CATERPILLAR®

SEBP3625-03
September 2003

Parts Manual



See "General Information" for New Parts Manual Features.

3406C Generator Set

8ER3559-Up (Generator)
9CR2744-Up (Generator)
9DR4432-Up (Generator)
KPS1-Up (Generator Set)
1DZ3603-Up (Engine)

Product and Dealer Information

Note: For product identification plate locations, see the section “Product Identification Information” in the Operation and Maintenance Manual.

Delivery Date: _____

Product Information

Model: _____

Product Identification Number: _____

Engine Serial Number: _____

Transmission Serial Number: _____

Generator Serial Number: _____

Attachment Serial Numbers: _____

Attachment Information: _____

Customer Equipment Number: _____

Dealer Equipment Number: _____

Dealer Information

Name: _____ Branch: _____

Address: _____

_____

_____

	Dealer Contact	Phone Number	Hours
Sales:	_____	_____	_____
Parts:	_____	_____	_____
Service:	_____	_____	_____

Informations produit et concessionnaire

Nota: Voir l'emplacement de la plaque signalétique du produit au chapitre "Informations produit" du guide d'utilisation et d'entretien.

Date de livraison: _____

Informations produit

Modèle: _____

Numéro d'identification produit: _____

Numéro de série du moteur: _____

Numéro de série de la boîte de vitesses: _____

Numéro de série de l'alternateur: _____

Numéros de série d'équipement: _____

Informations sur l'équipement: _____

Numéro matériel client: _____

Numéro matériel concessionnaire: _____

Informations concessionnaire

Nom: _____ Agence: _____

Adresse: _____

_____

_____

	Contact concessionnaire	Numéro de téléphone	Heures
Ventes:			
Pièces:			
Service:			

Información del Producto/Distribuidor

Nota: Para saber la ubicación de las placas de identificación del producto, ver la sección “Información sobre identificación del producto” en el Manual de Operación y Mantenimiento.

Fecha de entrega: _____

Información del producto

Modelo: _____

Número de identificación del producto: _____

Número de serie del motor: _____

Número de serie de la transmisión: _____

Número de serie del generador: _____

Números de serie de los accesorios: _____

Información sobre los accesorios: _____

Número del equipo del cliente: _____

Número del equipo del distribuidor: _____

Información del distribuidor

Nombre: _____ Sucursal: _____

Dirección: _____

_____

_____

	Comunicación con el distribuidor	Número de teléfono	Horas
Ventas:	_____	_____	_____
Piezas:	_____	_____	_____
Servicio:	_____	_____	_____

Informações Sobre Produto e Revendedor

Nota: Para localizações da placa de identificação do produto, consulte a seção, “Informações Sobre Identificação do Produto” no Manual de Operação e Manutenção.

Data de Entrega: _____

Informações Sobre o Produto

Modelo: _____

Número de Identificação do Produto: _____

Número de Série do Motor: _____

Número de Série da Transmissão: _____

Número de Série do Gerador: _____

Números de Série de Acessórios: _____

Informações Sobre Acessórios: _____

Número do Equipamento do Cliente: _____

Número do Equipamento do Revendedor: _____

Informações Sobre o Revendedor

Nome: _____ Filial: _____

Endereço: _____

_____

_____

	Contato do Revendedor	Telefone	Horas
Vendas:	_____	_____	_____
Peças:	_____	_____	_____
Serviço:	_____	_____	_____

Produkt- und Händlerinformation

Anmerkung: Für die Lage der Produkt-Identnummer und Seriennummern siehe Abschnitt "Produkt-Identinformation" im Betriebs- und Wartungshandbuch.

Lieferdatum: _____

Produkt-Identinformation

Modell: _____

Produkt-Identnummer: _____

Seriennummer des Motors: _____

Seriennummer des Getriebes: _____

Seriennummer des Generators: _____

Seriennummern der Arbeitsgeräte: _____

Arbeitsgeräteinformation: _____

Kundennummer: _____

Händlernummer: _____

Händlerinformation

Name: _____ Niederlassung: _____

Adresse: _____

_____

_____

	Kontaktperson beim Händler	Telefon	Dienststunden
Verkauf:	_____	_____	_____
Ersatzteile:	_____	_____	_____
Service:	_____	_____	_____

MEMORANDA

TABLE OF CONTENTS

Name	Page
GENERAL INFORMATION	A18
REPAIR ALTERNATIVES	A33
SUPPLEMENTAL COOLANT ADDITIVES	A38
MAINTENANCE PARTS	A43
INDEX	A67
ENGINE ARRANGEMENT	1
ENGINE AR	1
GENERAL AR	7
BASIC ENGINE	12
CAMSHAFT GP	12
COUPLING GP-GENERATOR	13
COVER GP-CYLINDER BLOCK	15
COVER GP-FLYWHEEL HOUSING	17
COVER GP-FRONT HOUSING	18
COVER GP-VALVE MECHANISM	20
CRANKSHAFT GP	21
CYLINDER BLOCK AS	22
CYLINDER BLOCK GP	23
CYLINDER HEAD GP	32
DAMPER & PULLEY GP	38
DRIVE GP-ACCESSORY	39
DRIVE GP-FAN	40
FASTENER GP-FRONT HOUSING	46
FLYWHEEL GP	47
GEAR GP-FRONT	48
GUARD GP-BELT	49
GUARD GP-DAMPER	55
HOUSING GP-FLYWHEEL	56
HOUSING GP-FRONT	57
LIFTING GP-ENGINE	59
MOUNTING GP-ALTERNATOR	61
MOUNTING GP-BRACKET	65
PAN GP-OIL	66
PISTON & ROD GP	69
ROCKER ARM GP	73
SUPPORT GP-ENGINE	74
VALVE MECHANISM GP	75
LUBRICATION SYSTEM	76
BASE GP-OIL FILTER	76
BREATHER GP	78
FASTENER GP-OIL PUMP MOUNTING	79
FILLER GP-ENGINE OIL	80
FILTER GP-ENGINE OIL	81
FUMES DISPOSAL GP	83
GAUGE GP-OIL LEVEL (DIPSTICK)	84
LINES GP-ENGINE OIL	88
LINES GP-ENGINE OIL DRAIN	89
LINES GP-TURBOCHARGER OIL	91
PUMP GP-ENGINE OIL	93
COOLING SYSTEM	95
COOLER GP-ENGINE OIL	95
COVER GP-WATER LINES	96
FAN GP-BLOWER	97
FAN GP-SUCTION	99
GUARD GP-RADIATOR	100
HEAT EXCHANGER GP-SEA WATER	101
LINES GP-AFTERCOOLER WATER	107
LINES GP-COOLANT DRAIN	109
LINES GP-WATER	110
MOUNTING GP-HEAT EXCHANGER	116
MOUNTING GP-RADIATOR	117
PUMP GP-AUXILIARY WATER	118
PUMP GP-WATER	121
RADIATOR GP	124
TANK GP-EXPANSION	139
AIR INLET AND EXHAUST SYSTEM	142
ADAPTER AS-EXHAUST	142
ADAPTER GP-AIR CLEANER	144
AFTERCOOLER GP-WATER	145
AIR CLEANER GP	147
CAP AS-RAIN	153
CARTRIDGE GP-TURBOCHARGER	154
ELBOW GP-EXHAUST	158
ELBOW-EXHAUST	162
FITTING GP-EXHAUST	164
FLANGE	170
FLANGE GP-EXHAUST	171
HOOD AS-AIR CLEANER	174
LINES GP-AIR	175
MANIFOLD GP-EXHAUST	178
MANIFOLD GP-INLET	180
MOUNTING GP-AIR CLEANER	181
MOUNTING GP-MUFFLER	182
MUFFLER	185
MUFFLER GP	188
PIPE GP-EXHAUST	191
PRECLEANER AS	194
PRECLEANER GP	195
SHIELD GP-MANIFOLD	196
SHIELD-RAIN	197
SHUTOFF GP-AIR	198
TURBOCHARGER GP	200
FUEL SYSTEM	206
ACTUATOR AS-GOVERNOR	206
BASE AS-FUEL TANK	209
CONTROL AS-GOVERNOR	210
CONTROL GP-FUEL	213
CONTROL GP-GOVERNOR	214

TABLE OF CONTENTS

Name	Page
COVER GP-FUEL TRANSFER	221
DRIVE GP-GOVERNOR	222
DRIVE GP-GOVERNOR & FUEL PUMP	225
DRIVE GP-TACHOMETER	228
FASTENER GP-FUEL INJ PUMP	229
FASTENER GP-GOVERNOR	231
FILTER GP-FUEL	234
FILTER GP-PRIMARY FUEL	238
GOVERNOR AS	239
GOVERNOR AS-ELECTRONIC	240
GOVERNOR GP	242
HOUSING AS-GOVERNOR DRIVE	250
LINES GP-FLEXIBLE FUEL	251
LINES GP-FUEL FILTER	253
LINES GP-FUEL INJECTION	256
MOUNTING GP-GOVERNOR ACTUATOR	263
PUMP & MTG GP-FUEL TRANSFER	264
PUMP GP-FUEL INJECTION	265
PUMP GP-FUEL PRIMING	270
PUMP GP-FUEL TRANSFER	271
PUMP GP-GOV & FUEL INJ	272
PUMP GP-GOV DRIVE & FUEL INJ	277
SEPARATOR GP-WATER	279
SHUTOFF GP-MANUAL	281
TANK & BASE GP-FUEL	282
TANK AS-FUEL	284
TORQUE CONTROL GP	291
ELECTRICAL AND STARTING SYSTEM	293
ALTERNATOR GP-CHARGING	293
BATTERY CHARGER	300
BATTERY GP	304
BOX GP-EXTENSION TERMINAL	307
BOX GP-JUNCTION	309
CABLE AS-EXTENSION	317
CABLE GP-BATTERY	319
CIRCUIT BREAKER GP	320
CONNECTION GP-ELECTRICAL	350
CONTACTOR AS-WATER TEMP	357
CONTACTOR GP	358
CONTACTOR GP-ALARM	359
CONTROL GP-ENG RATINGS ELEK	361
CONTROL GP-MANUAL VOLTAGE	362
CONTROL GP-SOLENOID	363
COVER AS-EXTENSION BOX	364
COVER GP-CIRCUIT BREAKER	365
DIODE GP	366
FASTENER GP-BATTERY CHARGER	367
FASTENER GP-EXTENSION BOX	369
FASTENER GP-WIRING HARNESS	371
FASTENER GP-WIRING	374
FASTENER GP-WIRING HARNESS	375
HARNESS AS	376
HARNESS AS-PANEL	379
HEATER GP-JACKET WATER	380
MODULE GP-INTERFACE	384
MOUNTING GP-CIRCUIT BREAKER	385
MOUNTING GP-CONTACTOR	393
MOUNTING GP-JACKET WTR HEATER	398
NEUTRAL BUS BAR AS	400
RELAY GP	402
RELAY GP-AUXILIARY	403
RELAY GP-OVERCURRENT	403
RELAY GP-VOLTAGE	404
SENSOR GP-LIQUID LEVEL	406
SENSOR GP-PRESSURE	408
SENSOR GP-SPEED	410
SENSOR GP-TEMPERATURE	413
SHUTOFF GP-ELECTRICAL	414
SOLENOID GP-SHUTOFF	418
STARTING AID GP-ETHER	419
STARTING MOTOR GP-ELECTRIC	421
SUPPORT GP-BATTERY	429
SWITCH AS	437
SWITCH AS-TEMPERATURE	439
SWITCH GP-AUXILIARY	440
SWITCH GP-ENGINE	440
SWITCH AS	441
SWITCH GP-GOVERNOR	441
SWITCH GP-HEAT START	442
SWITCH GP-START	443
SWITCH GP-TEMPERATURE	444
SWITCH GP	446
SWITCH GP-TOGGLE	447
WIRING GP-PANEL	448
OPERATOR STATION	449
CONTROL AR-EMCP ELECTRONIC	449
CONTROL GP-ALARM MODULE	450
CONTROL GP-EMCP ELECTRONIC	460
CONTROL GP-ENGINE MONITORING	468
GAUGE GP-FUEL PRESSURE	469
METER GP-SERVICE	470
MODULE GP-ALARM	472
MODULE GP-RELAY DRIVER	482
MODULE GP-SYNCHRONIZING LIGHTS	484
MODULE GP-SYSTEM COMMUNICATION	492
MOUNTING GP-CONTROL PANEL	494
MOUNTING GP-INSTRUMENT PANEL	495
PANEL AR-CONTROL	496
PANEL GP-CONTROL	497
PANEL AS	502
PANEL GP-CONTROL	502
PANEL GP-ELECTRONIC	506
PANEL GP-INSTRUMENT	513

TABLE OF CONTENTS

Name	Page
SEAL GP-ENCLOSURE	524
TACHOMETER GP-ELECTRIC	525
MARINE TRANSMISSION	526
MOUNTING GP-ACTUATOR	526
ENCLOSURES, GUARDS AND BASES	528
ADAPTER GP-BASE END CHANNELS	528
BASE GP-ENGINE & GENERATOR	529
COVER GP-GENERATOR	535
ENCLOSURE GP	536
ENCLOSURE GP-GENERATOR	537
GUARD GP-ENGINE	542
GENERATORS	544
CABLE GP-GENERATOR GROUND	544
CONNECTION GP-GENERATOR LEADS	546
CONNECTION GP-TERMINAL STRIP	552
COVER GP-PROTECTIVE LIFT	554
COVER GP-ACCESS	555
FASTENER GP-RFI FILTER	557
GENERATOR AR	558
GENERATOR GP	573
MOUNTING GP-VOLTAGE REGULATOR	621
REGULATOR AS-VOLTAGE	622
REGULATOR GP-VOLTAGE	624
ROTOR AS	634
TRANSFORMER	640
TRANSFORMER GP-CURRENT	641
SERVICE EQUIPMENT AND SUPPLIES	643
CHART-CONTROL PANEL	643
CHART-PLATE & FILM	653
CONVERSION AR-FAST FILL	653
KIT-CONTROL PANEL INSTALLATION	654
KIT-RFI FILTER	657
KIT-SPACE HEATER	658
PART NUMBER INDEX	B1

TABLE DES MATIÈRES

Désignation	Page
GÉNÉRALITÉS	A21
OPTIONS DE RÉPARATION	A34
ADDITIFS POUR LIQUIDE DE REFROIDISSEMENT	A39
PIÈCES DE RECHANGE	A47
INDEX	A78
MOTEUR COMPLET	1
MOTEUR (VERSION)	1
VUE DU MODÈLE	7
MOTEUR	12
ARBRE A CAMES (ASS)	12
COUPLEUR - ALTERNATEUR (ASS)	13
BLOC-CYLINDRES - COUVERCLE (ASS)	15
COUVERCLE DE CARTER DE VOLANT (ASS)	17
COUVERCLE DE CARTER AV (ASS)	18
CACHE-SOUPAPES (ASS)	20
VILEBREQUIN (ASS)	21
BLOC-CYLINDRES (ENS)	22
BLOC-CYLINDRES (ASS)	23
CULASSE (ASS)	32
AMORTISSEUR DE VIBRATIONS ET POULIE (ASS)	38
ENTRAÎNEMENT AUXILIAIRE (ASS)	39
ENTRAÎNEMENT DE VENTILATEUR (ASS)	40
BOULONNERIE DE CARTER AV (ASS)	46
VOLANT MOTEUR (ASS)	47
PIGNONNERIE AV (ASS)	48
PROTEGE-COURROIE (ASS)	49
AMORTISSEUR DE VIBRATIONS - PROTECTION (ASS)	55
CARTER DE VOLANT (ASS)	56
CARTER AV (ASS)	57
OEILLETONS DE LEVAGE MOTEUR (ASS)	59
MONTAGE D'ALTERNATEUR (ASS)	61
SUPPORT DE MONTAGE (ASS)	65
HUILE MOTEUR - CARTER (ASS)	66
PISTON ET BIELLE (ASS)	69
AXE DE CULBUTEUR (ASS)	73
SUPPORT DE MOTEUR (ASS)	74
CULBUTERIE (ASS)	75
CIRCUIT DE GRAISSAGE	76
SUPPORT DE FILTRE À HUILE (ASS)	76
RENIFLARD (ASS)	78
BOULONNERIE DE MONTAGE DE LA POMPE A HUILE (ASS)	79
BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS)	80
FILTRE À HUILE MOTEUR (ASS)	81
DISPOSITIF D'EVACUATION DES VAPEURS DE CARTER	83
JAUGE D'HUILE MOTEUR (BAIONNETTE) (ASS)	84
CANALISATIONS D'HUILE MOTEUR (ASS)	88
CANALISATIONS-VIDANGE D'HUILE DE MOTEUR (ASS)	89
CANALISATIONS D'HUILE DE TURBOCOMPRESSEUR (ASS)	91
POMPE A HUILE MOTEUR (ASS)	93
CIRCUIT DE REFROIDISSEMENT	95
REFROIDISSEUR D'HUILE MOTEUR (ASS)	95
COUVERCLE DES CANALISATIONS D'EAU	96
VENTILATEUR SOUFFLANT (ASS)	97
VENTILATEUR ASPIRANT (ASS)	99
PROTÈGE-RADIATEUR (ASS)	100
ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	101
CANALIS. D'EAU - REFROIDISSEUR D'ADMISSION (ASS)	107
CANALISATIONS DE VIDANGE DE RÉFRIGÉRANT (ASS)	109
CANALISATIONS D'EAU (ASS)	110
MONTAGE D'ÉCHANGEUR THERMIQUE (ASS)	116
RADIATEUR - MONTAGE (ASS)	117
POMPE AUXILIAIRE D'EAU DOUCE (ASS)	118
POMPE A EAU (ASS)	121
RADIATEUR (ASS)	124
RESERVOIR D'EXPANSION (ASS)	139
SYSTEME D'ECHAPPEMENT ET D'ADMISSION D'AIR	142
ADAPTATEUR D'ÉCHAPPEMENT (ENS)	142
ADAPTATEUR DE FILTRE A AIR (ASS)	144
ADMISSION REFROIDIE PAR EAU (ASS)	145
FILTRE A AIR (ASS)	147
DÉFLECTEUR DE PLUIE (ENS)	153

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

TABLE DES MATIÈRES

Désignation	Page
TURBOCOMPRESSEUR - CARTOUCHE (ASS)	154
COUDE D'ÉCHAPPEMENT (ASS)	158
COUDE D'ÉCHAPPEMENT	162
RACCORD D'ÉCHAPPEMENT (ASS)	164
BRIDE	170
BRIDE D'ÉCHAPPEMENT (ASS)	171
CAPOT - FILTRE À AIR (ENS)	174
CANALISATIONS D'AIR (ASS)	175
COLLECTEUR D'ÉCHAPPEMENT (ASS)	178
COLLECTEUR D'ADMISSION (ASS)	180
MONTAGE DE FILTRE À AIR (ASS)	181
MONTAGE DE SILENCIEUX (ASS)	182
SILENCIEUX	185
SILENCIEUX (ASS)	188
ECHAPPEMENT - TUYAU (ASS)	191
PRÉFILTRE (ENS)	194
PREFILTRE (ASS)	195
ÉCRAN DE COLLECTEUR (ASS)	196
DÉFLECTEUR DE PLUIE	197
ARRÊT D'AIR (ASS)	198
TURBOCOMPRESSEUR (ASS)	200
CIRCUIT DE CARBURANT	206
MECANISME DE COMMANDE DE RADIATEUR (ENS)	206
SUPPORT DE RÉSERVOIR DE CARBURANT (ENS)	209
COMMANDE DE RÉGULATEUR (ENS)	210
COMMANDE DE CARBURANT (ASS)	213
COMMANDE DE RÉGULATEUR (ASS)	214
COUVERCLE - ALIMENTATION DE CARBURANT	221
ENTRAINEMENT DE REGULATEUR (ASS)	222
ENTR. DE RÉGULATEUR ET POMPE À CARBURANT (ASS)	225
ENTRAÎNEMENT DE COMPTE-TOURS (ASS)	228
BOULONNERIE - POMPE D'INJECTION DE CARB. (ASS)	229
BOULONNERIE DE REGULATEUR	231
FILTRE A CARBURANT (ASS)	234
FILTRE À CARBURANT PRINCIPAL (ASS)	238
REGULATEUR (ENS)	239
RÉGULATEUR - ÉLECTRONIQUE (ENS)	240
REGULATEUR (ASS)	242
CARTER D'ENTRAINEMENT DE REGULATEUR (ENS)	250
TUYAUX FLEXIBLES DE CARBURANT (ASS)	251
CANALISATIONS DU FILTRE A CARBURANT (ASS)	253
CANALISATIONS D'INJECTION DE CARBURANT (ASS)	256
MONTAGE - MÉCANISME DE COMMANDE DE RADIATEUR (ASS)	263
POMPE D'ALIMENTATION ET MONTAGE (ASS)	264
POMPE D'INJECTION DE CARBURANT (ASS)	265
POMPE D'AMORÇAGE DE CARBURANT (ASS)	270
POMPE D'ALIMENTATION EN CARBURANT (ASS)	271
RÉGULATEUR ET POMPE D'INJECTION DE CARBURANT (ASS)	272
ENTRAINEM. DE REGUL. ET POMPE D'INJECT. DE CARB.	277
SÉPARATEUR D'EAU (ASS)	279
ARRET MANUEL (ASS)	281
RESERVOIR DE CARBURANT ET SUPPORT (ASS)	282
RESERVOIR DE CARBURANT (ENS)	284
BUTÉE ÉLASTIQUE (ASS)	291
CIRCUIT ELECTRIQUE ET DE DEMARRAGE	293
ALTERNATEUR DE CHARGE (ASS)	293
CHARGEUR DE BATTERIE	300
BATTERIE (ASS)	304
BOITIER DE BORNES (ASS)	307
COFFRE DE BRANCHEMENT	309
CÂBLE - RALLONGE (ENS)	317
CABLE DE BATTERIE (ASS)	319
DISJONCTEUR (ASS)	320
BRANCHEMENT ÉLECTRIQUE (ASS)	350
CONTACTEUR DE TEMPÉRATURE D'EAU	357
CONTACTEUR (ASS)	358
CONTACTEUR D'ALARME (ASS)	359
COMMANDE ÉLECTRIQUE DE RÉGLAGE DU MOTEUR (ASS)	361
COMMANDE - TENSION MANUELLE (ASS)	362
COMMANDE DE SOLÉNOÏDE (ASS)	363
COUVERCLE DE BOITIER DE BORNES (ENS)	364
COUVERCLE DE DISJONCTEUR (ASS)	365
DIODES (ASS)	366

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

TABLE DES MATIÈRES

Désignation	Page
BOULONNERIE DE CHARGEUR DE BATTERIE (ASS)	367
BOULONNERIE DE BOITIER DE BORNES (ASS)	369
BOULONNERIE DE FAISCEAU DE CABLES	371
BOULONNERIE DU CABLAGE (ASS)	374
BOULONNERIE DE FAISCEAU DE CABLES	375
FAISCEAU DE CABLES (ENS)	376
*HARNESS AS-PANEL	379
EAU DES CHEMISES - RECHAUFFEUR (ASS)	380
MODULE-INTERFACE (ASS)	384
MONTAGE DE DISJONCTEUR (ASS)	385
MONTAGE DE CONTACTEUR (ASS)	393
MONTAGE DU RÉCHAUFFEUR D'EAU DES CHEMISES (ASS)	398
ENSEMBLE DE BARRE OMNIBUS NEUTRE	400
RELAIS (ASS)	402
RELAIS SECONDAIRE (ASS)	403
RELAIS DE SURINTENSITÉ (ASS)	403
RELAIS DE TENSION (ASS)	404
CAPTEUR DE NIVEAU DU LIQUIDE (ASS)	406
CAPTEUR DE PRESSION (ASS)	408
CAPTEUR DE VITESSE (ASS)	410
CAPTEUR DE TEMPERATURE (ASS)	413
ARRÊT ÉLECTRIQUE	414
SOLÉNOÏDE D'ARRÊT (ASS)	418
AUXILIAIRE DE DÉMARRAGE À L'ÉTHER	419
DÉMARREUR ÉLECTRIQUE (ASS)	421
SUPPORT DE BATTERIE (ASS)	429
*SWITCH AS	437
THERMOCONTACT (ENS)	439
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
CONTACTEUR MOTEUR (ASS)	441
CONTACTEUR (ENS)	441
INTERRUPTEUR DE RÉGULATEUR (ASS)	441
CONTACTEUR DE PRÉCHAUFFAGE (ASS)	442
INTERRUPTEUR DE DÉMARRAGE (ASS)	443
BOUTON DE TEMPÉRATURE	444
INTERRUPTEUR (ASS)	446
INTERRUPTEUR À BASCULE (ASS)	447
*WIRING GP-PANEL	448
POSTE DE CONDUITE	449
COMMANDE ÉLECTRONIQUE MODULAIRE (EMCP) (VERSION)	449
COMMANDE DE MODULE MISE EN GARDE (ASS)	450
COMMANDE D'ELECTROMODULE DE SURVEILLANCE (ASS)	460
COMMANDE DE SURVEILLANCE DE MOTEUR (ASS)	468
MANOMETRE DE CARBURANT (ASS)	469
COMPTEUR D'ENTRETIEN (ASS)	470
MODULE D'ALARME (ASS)	472
MODULE DE COMMANDE DE RELAIS (ASS)	482
MODULE - VOYANTS DE SYNCHRONISATION (ASS)	484
MODULE - SYSTÈME DE COMMUNICATION (ASS)	492
MONTAGE DU PANNEAU DE COMMANDE (ASS)	494
MONTAGE DU TABLEAU DE BORD (ASS)	495
PANNEAU DE COMMANDE (VERSION)	496
PANNEAU DE COMMANDE (ASS)	497
PANNEAU (ENS)	502
PANNEAU DE COMMANDE (ASS)	502
TABLEAU ÉLECTRONIQUE (ASS)	506
TABLEAU DE BORD (ASS)	513
JOINT - CARÉNAGE	524
COMPTE-TOURS ÉLECTRIQUE (ASS)	525
REDUCTEUR MARIN	526
MECANISME DE COMMANDE - MONTAGE	526
ENVELOPPES, PROTECTEURS ET SUPPORTS	528
ADAPTATEUR DE CANAUX D'EXTRÉMITÉ DE SUPPORT (ASS)	528
BASE DU MOTEUR ET D'ALTERNATEUR (ASS)	529
COUVERCLE D'ALTERNATEUR (ASS)	535
CARENAGE (ASS)	536
CARENAGE DE GROUPE ELECTROGENE	537
PROTECTION ANTI-VANDALISME DU MOTEUR (ASS)	542
ALTERNATEURS	544
CÂBLE - MASSE D'ALTERNATEUR (ASS)	544

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

TABLE DES MATIÈRES

Désignation	Page
BRANCHEMENT CABLES (ASS)	546
BARRETTE A BORNES (ASS)	552
COUVERCLE DE PROTECTION - OEILLETON DE LEVAGE	554
COUVERCLE DE VISITE (ASS)	555
BOULONNERIE-FILTRE D'INTERFÉRENCE FRÉQ. RADIO (ASS)	557
ALTERNATEUR (VERSION)	558
ALTERNATEUR (ASS)	573
MONTAGE DE RÉGULATEUR DE TENSION (ASS)	621
REGULATEUR DE LA TENSION (ENS)	622
RÉGULATEUR DE TENSION (ASS)	624
ROTOR (ENS)	634
TRANSFORMATEUR	640
TRANSFORMATEUR DE COURANT (ASS)	641
MATÉRIEL ET FOURNITURES D'ENTRETIEN	643
TABLEAU - PANNEAU DE COMMANDE	643
TABLEAU - PLAQUE ET AUTOCOLLANT	653
*CONVERSION AR-FAST FILL	653
KIT DE MONTAGE DE PANNEAU DE COMMANDE	654
KIT DE REPARATION - REGULATEUR DE FREQUENCE	657
KIT - RESISTANCE DE CHAUFFAGE	658
INDEX DE NUMÉROS DE PIÈCES	B1

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

CONTENIDO

Nombre	Página
INFORMACIÓN GENERAL	A24
ALTERNATIVAS DE REPARACIÓN	A35
ADITIVOS DE REFRIGERANTE SUPLEMENTARIOS	A40
PIEZAS DE MANTENIMIENTO	A53
INDICE	A91
CONFIGURACIÓN DE MOTOR	1
CONFIGURACIÓN DE MOTORES	1
CONFIGURACIÓN GENERAL	7
MOTOR BÁSICO	12
ÁRBOL DE LEVAS (GR)	12
ACOPLAMIENTO DEL GENERADOR (GR)	13
TAPA DEL BLOQUE MOTOR (GR)	15
TAPA DE LA CAJA DE VOLANTE (GR)	17
TAPA DE LA CAJA DELANTERA (GR)	18
TAPA DEL MECANISMO DE VÁLVULAS (GR)	20
CIGÜEÑAL (GR)	21
BLOQUE MOTOR (CONJ)	22
BLOQUE MOTOR (GR)	23
CULATA DE CILINDROS (GR)	32
AMORTIGUADOR Y POLEA (GR)	38
ACCESORIOS - IMPULSOR DE (GR)	39
IMPULSOR DE VENTILADOR (GR)	40
CAJA DELANTERA - TORNILLERÍA DE LA (GR)	46
VOLANTE (GR)	47
ENGRANAJE DELANTERO (GR)	48
PROTECTOR DE CORREA (GR)	49
PROTECTOR DEL AMORTIGUADOR DE VIBRACIONES (GR)	55
VOLANTE - CAJA DE (GR)	56
CAJA DELANTERA (GR)	57
CÁNCAMOS DE LEVANTAMIENTO DEL MOTOR (GR)	59
MONTAJE DEL ALTERNADOR (GR)	61
SOPORTE DE MONTAJE (GR)	65
CÁRTER - COLECTOR DEL (GR)	66
PISTÓN Y BIELA (GR)	69
BALANCÍN (GR)	73
MOTOR - SOPORTE DEL (GR)	74
MECANISMO DE VÁLVULAS (GR)	75
SISTEMA DE LUBRICACIÓN	76
FILTRO DE ACEITE - BASE DEL (GR)	76
RESPIRADERO (GR)	78
TORNILLERÍA DE MONT. DE LA BOMBA DE ACEITE (GR)	79
TUBO DE LLENADO DE ACEITE (GR)	80
FILTRO DE ACEITE DEL MOTOR (GR)	81
ESCAPE DE GASES (GR)	83
INDICADOR DEL NIVEL DE ACEITE (VARILLA) (GR)	84
TUBERÍAS DE ACEITE DEL MOTOR (GR)	88
TUBERIAS DE DRENAJE DE ACEITE DE MOTOR (GR)	89
TURBOCOMPRESOR - TUBERÍAS DE ACEITE DEL (GR)	91
BOMBA DE ACEITE DEL MOTOR (GR)	93
SISTEMA DE ENFRIAMIENTO	95
ENFRIADOR DE ACEITE DEL MOTOR (GR)	95
TAPA DE LAS TUBERÍAS DE AGUA (GR)	96
SOPLADOR - VENTILADOR (GR)	97
SUCCIÓN - VENTILADOR DE (GR)	99
PROTECTOR DEL RADIADOR (GR)	100
INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	101
TUBERÍAS DEL AGUA - POSENFRIADOR (GR)	107
TUBERÍAS DE DRENAJE DEL REFRIGERANTE (GR)	109
TUBERÍAS DEL AGUA (GR)	110
MONTAJE DE INTERCAMBIADOR DE CALOR (GR)	116
MONTAJE DEL RADIADOR (GR)	117
BOMBA AUXILIAR DE AGUA DULCE (GR)	118
BOMBA DE AGUA (GR)	121
RADIADOR (GR)	124
TANQUE DE EXPANSIÓN (GR)	139
SISTEMA DE ADMISION DE AIRE Y ESCAPE	142
ADAPTADOR DE ESCAPE (CONJ)	142
ADAPTADOR DEL FILTRO DE AIRE (GR)	144
POSENFRIADOR DE AGUA (GR)	145
FILTRO DE AIRE (GR)	147
TAPA CONTRA LA LLUVIA (CONJ)	153
NÚCLEO DE TURBOCOMPRESOR (GR)	154
CODO DE ESCAPE (GR)	158
CODO DE ESCAPE	162
CONEXIÓN DE ESCAPE (GR)	164
BRIDA	170

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

CONTENIDO

Nombre	Página
BRIDA DE ESCAPE (GR)	171
CUBIERTA DEL FILTRO DE AIRE (CONJ)	174
AIRE - TUBERÍAS DE (GR)	175
MÚLTIPLE DE ESCAPE (GR)	178
MÚLTIPLE DE ADMISIÓN (GR)	180
MONTAJE DEL FILTRO DE AIRE (GR)	181
MONTAJE DEL SILENCIADOR (GR)	182
SILENCIADOR	185
SILENCIADOR (GR)	188
TUBO DE ESCAPE (GR)	191
ANTEFILTRO (CONJ)	194
ANTEFILTRO (GR)	195
MULTIPLE - PROTECTOR DEL	196
TAPA ANTILLUVIA	197
CORTE DE AIRE (GR)	198
TURBOCOMPRESOR (GR)	200
SISTEMA DE COMBUSTIBLE	206
ACCIONADOR DEL REGULADOR (CONJ)	206
BASE DEL TANQUE DE COMBUSTIBLE (CONJ)	209
CONTROL DEL REGULADOR (CONJ)	210
CONTROL DE COMBUSTIBLE	213
CONTROL DE REGULADOR (GR)	214
TAPA DE TRANSFERENCIA DE COMBUSTIBLE (GR)	221
MANDO DE REGULADOR (GR)	222
MANDO DE REGULADOR Y BOMBA DE COMBUSTIBLE (GR)	225
MANDO DE TACÓMETRO (GR)	228
TORNILLERÍA DE LA BOMBA DE INYECCIÓN DE COMB.	229
TORNILLERÍA DEL REGULADOR (GR)	231
FILTRO DE COMBUSTIBLE (GR)	234
FILTRO PRIMARIO DE COMBUSTIBLE (GR)	238
REGULADOR (CONJ)	239
REGULADOR ELECTRÓNICO (CONJ)	240
REGULADOR (GR)	242
CAJA Y MANDO DE REGULADOR (CONJ)	250
COMBUSTIBLE - TUBERIAS FLEXIBLES DE	251
TUBERÍAS DEL FILTRO DE COMBUSTIBLE	253
TUBERÍAS DE INYECCIÓN DE COMBUSTIBLE (GR)	256
MONTAJE DEL ACCIONADOR DEL REGULADOR (GR)	263
BOMBA DE TRANSFERENCIA DE COMBUSTIBLE Y MONTAJE (GR)	264
BOMBA DE INYECCIÓN DE COMBUSTIBLE (GR)	265
BOMBA DE CEBADO DE COMBUSTIBLE (GR)	270
BOMBA DE TRANSFERENCIA DE COMBUSTIBLE (GR)	271
REGULADOR Y BOMBA DE INYECCIÓN DE COMBUSTIBLE (GR)	272
MANDO DE REG. Y BOMBA DE INYEC. DE COMBUST. (GR)	277
SEPARADOR DE AGUA (GR)	279
CIERRE MANUAL (GR)	281
TANQUE DE COMBUSTIBLE Y BASE (GR)	282
TANQUE DEL COMBUSTIBLE (CONJ)	284
CONTROL DE PAR (GR)	291
SISTEMA ELECTRICO Y DE ARRANQUE	293
CARGA - ALTERNADOR DE (GR)	293
CARGADOR DE BATERÍA	300
BATERÍA (GR)	304
CAJA DE TERMINAL DE EXTENSIÓN (GR)	307
CAJA DE EMPALMES (GR)	309
CABLE DE LA EXTENSIÓN (CONJ)	317
CABLE DE LA BATERÍA (GR)	319
DISYUNTOR DE CIRCUITO (GR)	320
CONEXIÓN ELÉCTRICA (GR)	350
CONTACTOR DE LA TEMPERATURA DE AGUA (CONJ)	357
CONTACTOR (GR)	358
CONTACTOR DE ALARMA (GR)	359
CONTROL ELECTRÓNICO DE CLASIFICACIÓN DE MOTOR (GR)	361
CONTROL MANUAL DE VOLTAJE (GR)	362
CONTROL GR-SOLENOIDE	363
TAPA DE CAJA DE TERMINALES (CONJ)	364
TAPA DEL DISYUNTOR (GR)	365
DIODO (GR)	366
SUJECION DEL CARGADOR DE BATERIA (GR)	367
GRUPO DE SUJECION DE LA CAJA DE TERMINALES	369
TORNILLERIA DE MAZO DE CABLES (GR)	371
TORNILLERIA DE LOS CABLES (GR)	374
TORNILLERIA DE MAZO DE CABLES (GR)	375

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

CONTENIDO

Nombre	Página
MAZO DE CABLES	376
*HARNESS AS-PANEL	379
AGUA DE LAS CAMISAS - CALENTADOR DEL (GR)	380
MODULO DE INTERFAZ (GR)	384
MONTAJE DEL DISYUNTOR (GR)	385
MONTAJE DE CONTACTOR (GR)	393
MONTAJE DEL CALENT. DE AGUA DE LAS CAMISAS (GR)	398
BARRA COLECTORA NEUTRAL (CONJ)	400
RELÉ (GR)	402
RELÉ AUXILIAR (GR)	403
RELE DE SOBRECORRIENTE (GR)	403
RELE DE VOLTAGE (GR)	404
SENSOR DEL NIVEL DE LÍQUIDO	406
SENSOR DE PRESIÓN (GR)	408
SENSOR DE VELOCIDAD (GR)	410
SENSOR DE TEMPERATURA (GR)	413
CORTE ELÉCTRICO (GR)	414
SOLENOIDE DE CORTE	418
AUXILIAR DE ARRANQUE CON ÉTER (GR)	419
MOTOR DE ARRANQUE ELÉCTRICO (GR)	421
SOPORTE DE BATERÍA (GR)	429
*SWITCH AS	437
INTERRUPTOR DE TEMPERATURA (CONJ)	439
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
INTERRUPTOR GR-MOTOR	441
INTERRUPTOR (CONJ)	441
INTERRUPTOR DEL REGULADOR (GR)	441
INTERRUPTOR TÉRMICO DE ARRANQUE (GR)	442
ARRANQUE - INTERRUPTOR DE (GR)	443
INTERRUPTOR PARA LA TEMPERATURA (GR)	444
INTERRUPTOR (GR)	446
INTERRUPTOR DE VOLQUETE (GR)	447
*WIRING GP-PANEL	448
PUESTO DEL OPERADOR	449
CONTROL ELECTRONICO DEL EMCP (CONFIG)	449
CONTROL DEL MÓDULO DE ALARMA (GR)	450
CONTROL ELECTRÓNICO DEL EMCP (GR)	460
CONTROL ELECTRÓNICO DE MONITOREO DEL MOTOR (GR)	468
COMBUSTIBLE - MANÓMETRO DEL (GR)	469
MEDIDOR DE SERVICIO (GR)	470
MODULO DE ALARMA (GR)	472
MODULO DE RELES DEL PUESTO DEL OPERADOR (GR)	482
MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	484
MODULO DEL SISTEMA DE COMUNICACION (GR)	492
MONTAJE DEL TABLERO DE CONTROL (GR)	494
MONTAJE DEL TABLERO DE INSTRUMENTOS (GR)	495
TABLERO DE CONTROL (CONFIG)	496
PANEL DE CONTROL (GR)	497
*PANEL AS	502
PANEL DE CONTROL (GR)	502
TABLERO ELECTRÓNICO (GR)	506
TABLERO DE INSTRUMENTOS (GR)	513
RECINTO DEL SELLO (GR)	524
TACOMETRO ELECTRICO (GR)	525
TRANSMISION MARINA	526
MONTAJE DEL ACTIVADOR (GR)	526
COMPARTIMIENTOS, PROTECTORES Y BASES	528
ADAPTADOR DE LOS CANALES DEL ESTREMO DE LA BASE (GR)	528
BASE DEL MOTOR Y GENERADOR (GR)	529
TAPA DEL GENERADOR (GR)	535
COMPARTIMIENTO (GR)	536
COMPARTIMENTO DEL GENERADOR(GR)	537
PROTECTOR DEL MOTOR (GR)	542
GENERADOR	544
CABLE DE TIERRA DEL GENERADOR (GR)	544
CONEXION DE CONDUCTORES DE GENERADOR (GR)	546
CONEXION DE TIRA DE TERMINALES (GR)	552
TAPA DE CÁNCAMO DE LEVANTAMIENTO (GR)	554
GRUPO DE TAPA, ACCESO	555
TORNILLERIA DEL FILTRO DE INTERF. DE FRECUENCIA DE RADIO (GR)	557
GENERADOR (CONFIG)	558

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

CONTENIDO

Nombre	Página
GENERADOR (GR)	573
MONTAJE DEL REGULADOR DE VOLTAJE (GR)	621
REGULADOR DE VOLTAJE	622
REGULADOR DE VOLTAJE (GR)	624
ROTOR (CONJ)	634
TRANSFORMADOR	640
TRANSFORMADOR DE CORRIENTE (GR)	641
EQUIPO DE SERVICIO Y SUMINISTROS	643
TABLA-TABLERO DE CONTROL	643
TABLA DE LOCALIZACIÓN DE LAS PLACAS Y CALCOMANÍAS	653
*CONVERSION AR-FAST FILL	653
JUEGO DE INSTALACIÓN DEL TABLERO DE CONTROL	654
JUEGO DE FILTRO DE INTERFER. DE FRECUENCIA DE RADIO	657
JUEGO DE CALENTADOR	658
INDICE DE NUMEROS DE PIEZA	B1

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

ÍNDICE

Designação	Página
INFORMAÇÃO GERAL	A27
ALTERNATIVAS DE REPARO	A36
ADITIVOS SUPLEMENTARES DO LÍQUIDO ARREFECEDOR	A41
PEÇAS DE MANUTENÇÃO	A58
ÍNDICE	A105
ARRANJO DO MOTOR	1
MOTOR	1
ARRANJO GERAL	7
MOTOR BÁSICO	12
EIXO-COMANDO DE VÁLVULA	12
ACOPLAMENTO DO GRUPO ELETRÓGENO	13
TAMPA - BLOCO DO MOTOR	15
TAMPA - CAIXA DO VOLANTE	17
TAMPA - CAIXA DIANTEIRA	18
TAMPA - MECANISMO DAS VÁLVULAS	20
VIRABREQUIM	21
BLOCO DO MOTOR	22
CABEÇOTE DO MOTOR	32
AMORTECEDOR DE VIBRAÇÕES E POLIA	38
COMANDO DE ACESSÓRIOS	39
COMANDO DO VENTILADOR	40
FIXADORES - CAIXA DIANTEIRA	46
VOLANTE DO MOTOR	47
ENGRENAGENS DE DISTRIBUIÇÃO	48
PROTETOR - CORREIAS	49
PROTETOR - AMORTECEDOR	55
CAIXA DO VOLANTE DO MOTOR	56
CAIXA DIANTEIRA	57
LEVANTAMENTO DO MOTOR	59
MONTAGEM - ALTERNADOR	61
MONTAGEM - BRAÇADEIRA	65
CÁRTER DO ÓLEO DO MOTOR	66
PISTÃO E BIELA	69
BALANCIM	73
SUPORTE DO MOTOR	74
MECANISMO DAS VÁLVULAS	75
SISTEMA DE LUBRIFICAÇÃO	76
BASE DO FILTRO DE ÓLEO	76
RESPIRO	78
FIXADORES - BOMBA DE ÓLEO DO MOTOR	79
BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR	80
FILTRO - ÓLEO DO MOTOR	81
ELIMINAÇÃO DE VAPORES DO CÁRTER	83
INDICADOR - NÍVEL DO ÓLEO (VARETA)	84
TUBOS - ÓLEO DO MOTOR	88
TUBULAÇÕES - DRENAGEM DE ÓLEO DO MOTOR	89
TUBOS - ÓLEO DO TURBOALIMENTADOR	91
BOMBA DE ÓLEO - MOTOR	93
SISTEMA DE ARREFECIMENTO	95
ARREFECEDOR - ÓLEO DO MOTOR	95
TAMPA - TUBOS D'ÁGUA	96
VENTILADOR DE SOPRO	97
VENTILADOR DE SUCÇÃO	99
PROTETOR - RADIADOR	100
PERMUTADOR DE CALOR - ÁGUA DO MAR	101
TUBOS - ÁGUA DO PÓS-ARREFECEDOR	107
TUBOS - DRENAGEM DO LÍQUIDO ARREFECEDOR	109
TUBOS - ÁGUA	110
MONTAGEM - PERMUTADOR DE CALOR	116
MONTAGEM - RADIADOR	117
BOMBA AUXILIAR DE ÁGUA DOCE	118
BOMBA DE ÁGUA	121
RADIADOR	124
TANQUE DE EXPANSÃO	139
SISTEMA DE ADMISSÃO E ESCAPE	142
ADAPTADOR DE ESCAPE	142
ADAPTADOR DO PURIFICADOR DE AR	144
PÓS-ARREFECEDOR A ÁGUA	145
PURIFICADOR DE AR	147
PROTETOR CONTRA CHUVA	153
CARTUCHO DO TURBOALIMENTADOR	154
COTOVELO DE ESCAPE	158
CONEXÃO DE ESCAPE	164
FLANGE	170
FLANGE DE ESCAPE	171
CAPÔ - PURIFICADOR DE AR	174
TUBOS - AR	175
COLETOR DE ESCAPE	178
COLETOR DE ADMISSÃO	180
MONTAGEM - PURIFICADOR DE AR	181

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
MONTAGEM - SILENCIADOR	182
SILENCIADOR	185
CANO DE ESCAPE	191
PRÉ-PURIFICADOR	194
BLINDAGEM DO COLETOR	196
PROTETOR - CHUVA	197
PARADA DO AR	198
TURBOALIMENTADOR	200
SISTEMA DE COMBUSTÍVEL	206
ACIONADOR DO GOVERNADOR	206
BASE DO TANQUE DE COMBUSTÍVEL	209
GOVERNADOR - CONTROLE	210
CONTROLE DO COMBUSTÍVEL	213
CONTROLE DO GOVERNADOR	214
TAMPA - BOMBA DE TRANSFÊRENCIA	221
COMANDO DO GOVERNADOR	222
COMANDO DO GOVERNADOR E DA BOMBA DE COMBUSTÍVEL	225
COMANDO DO TACÔMETRO	228
FIXADORES - BOMBA INJETORA DE COMBUSTÍVEL	229
FIXADORES - GOVERNADOR	231
FILTRO - COMBUSTÍVEL	234
FILTRO - PRIMÁRIO DE COMBUSTÍVEL	238
GOVERNADOR	239
GOVERNADOR ELETRÔNICO	240
GOVERNADOR	242
CAIXA DO COMANDO DO GOVERNADOR	250
TUBOS - FLEXÍVEIS DO COMBUSTÍVEL	251
TUBOS - FILTRO DO COMBUSTÍVEL	253
TUBOS - INJEÇÃO DO COMBUSTÍVEL	256
MONTAGEM - ACIONADOR DO GOVERNADOR	263
BOMBA E MONTAGEM - TRANSFERÊNCIA DE COMBUSTÍVEL	264
BOMBA DE INJEÇÃO DO COMBUSTÍVEL	265
BOMBA DE ESCORVA DO COMBUSTÍVEL	270
BOMBA DE TRANSFERÊNCIA DO COMBUSTÍVEL	271
BOMBA DO GOVERNADOR E INJEÇÃO DE COMBUSTÍVEL	272
BOMBA INJETORA DO COMB. E COMANDO DO GOVERNADOR	277
SEPARADOR DE ÁGUA	279
PARADA MANUAL	281
TANQUE DE COMBUSTÍVEL E BASE	282
TANQUE DO COMBUSTÍVEL	284
MOLA DE CONTROLE DO TORQUE	291
SISTEMA ELÉTRICO E DE PARTIDA	293
ALTERNADOR DE CORRENTE	293
BATERIA - CARREGADOR	300
BATERIA	304
EXTENSÃO DA CAIXA DE TERMINAIS	307
CAIXA DE JUNÇÃO	309
CABO - EXTENSÃO	317
CABO DA BATERIA	319
INTERRUPTOR - CIRCUITO	320
CONEXÃO - ELÉTRICA	350
CONTATOR - TEMPERATURA DA ÁGUA	357
CONTATOR	358
CONTATOR - ALARME	359
CONTROLE ELETRÔNICO DO MOTOR - CLASSIFICAÇÃO	361
CONTROLE DE VOLTAGEM MANUAL	362
CONTROLE - SOLENOIDE	363
TAMPA - CAIXA DA EXTENSÃO	364
TAMPA DO DISJUNTOR	365
DIODO	366
FIXADORES - CARREGADOR DA BATERIA	367
FIXADORES - CAIXA DA EXTENSÃO	369
FIXADORES - CHICOTE	371
FIXADORES - CABOS/FIOS ELÉTRICOS	374
FIXADORES - CHICOTE	375
CHICOTE	376
*HARNESS AS-PANEL	379
AQUECEDOR DA ÁGUA DO MOTOR	380
MÓDULO - INTERFACE	384
MONTAGEM - DISJUNTOR ELÉTRICO AUTOMÁTICO	385
MONTAGEM - CONTATOR	393
MONTAGEM - AQUECEDOR DA ÁGUA DO MOTOR	398
BARRA COLETORA NEUTRA	400
RELÉ	402
RELÉ AUXILIAR	403
RELÉ - EXCESSO DE CORRENTE	403
RELÉ - VOLTAGEM	404
SENSOR - NÍVEL DE LÍQUIDO	406
SENSOR - PRESSÃO	408
SENSOR DE VELOCIDADE	410
SENSOR - TEMPERATURA	413
PARADA ELÉTRICA	414
SOLENÓIDE DE PARADA	418

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
AUXILIAR DE PARTIDA A ÉTER	419
MOTOR ELÉTRICO DE PARTIDA	421
SUPORTE - BATERIA	429
*SWITCH AS	437
INTERRUPTOR - TEMPERATURA	439
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
INTERRUPTOR - MOTOR	441
INTERRUPTOR	441
INTERRUPTOR - GOVERNADOR	441
CHAVE DE AQUECIMENTO-PARTIDA	442
INTERRUPTOR - PARTIDA	443
INTERRUPTOR - TEMPERATURA	444
INTERRUPTOR	446
INTERRUPTOR - BALANCIM	447
*WIRING GP-PANEL	448
POSTO DO OPERADOR	449
CONTROLE ELETRÔNICO - ECM	449
CONTROLE - MÓDULO DO ALARME	450
CONTROLE ELETRÔNICO - EMCP	460
CONTROLE - MONITORIZAÇÃO DO MOTOR	468
MANÔMETRO DO COMBUSTÍVEL	469
MARCADOR DE HORAS DE SERVIÇO	470
MÓDULO - ALARME	472
MÓDULO - COMANDO DO RELÉ	482
MÓDULO DE SINCRONIZAÇÃO DE LUZ	484
MÓDULO DE COMUNICAÇÃO DO SISTEMA	492
MONTAGEM - PAINEL DE CONTROLE	494
MONTAGEM - PAINEL DE INSTRUMENTOS	495
PAINEL DE CONTROLE	496
*PANEL AS	502
PAINEL DE CONTROLE	502
PAINEL ELETRÔNICO	506
PAINEL DE INSTRUMENTOS	513
RETENTOR - COBERTURA	524
TACÔMETRO - ELÉTRICO	525
TRANSMISSÃO MARÍTIMA	526
MONTAGEM - ACIONADOR ELETRÔNICO	526
COBERTURAS, PROTETORES E BASES	528
ADAPTADOR - CANAIS DA EXTREMIDADE DA BASE	528
BASE/SUPORTE DO MOTOR E GRUPO ELETRÓGENO	529
TAMPA GRUPO GERADOR	535
COBERTURA	536
COBERTURA DO GRUPO ELETRÓGENO	537
PROTETOR - MOTOR	542
GERADORES	544
CABOS DO GERADOR TERRA	544
CONEXÃO - CONDUTORES DO GERADOR	546
CONEXÃO - BLOCO DE TERMINAIS	552
TAMPA PROTETORA DO OLHAL DE LEVANTAMENTO	554
TAMPA - ACESSO	555
FIXADORES - FILTRO DE RADIOFREQÜÊNCIA	557
GERADOR	558
MONTAGEM - REGULADOR DE VOLTAGEM	621
REGULADOR DE VOLTAGEM	622
ROTOR	634
TRANSFORMADOR	640
TRANSFORMADOR DE CORRENTE	641
EQUIPAMENTOS DE SERVIÇO E SUPRIMENTOS	643
TABELA - PAINEL DE CONTROLE	643
TABELA - PLACA E DECALQUE	653
GR. DE CONVERSÃO - ABASTECIMENTO RÁPIDO	653
JOGO - INSTALAÇÃO DO PAINEL DE CONTROLE	654
JOGO DE FILTRO DE RADIOFREQÜÊNCIA	657
JOGO DE AQUECEDOR	658
ÍNDICE DE NÚMERO DE PEÇA	B1

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

INHALTSVERZEICHNIS

Bezeichnung	Seite
ALLGEMEINE HINWEISE	A30
REPARATURALTERNATIVEN	A37
KÜHLMITTELZUSATZ	A42
WARTUNGSTEILE	A63
STICHWORTVERZEICHNIS	A118
MOTOR	1
MOTORAUSFÜHRUNG	1
GRUNDAUSFÜHRUNG	7
MOTOR (GRUNDAUSFÜHRUNG)	12
NOCKENWELLE	12
GENERATORANSCHLUSS	13
MOTORBLOCKDECKEL	15
SCHWUNGRADGEHÄUSEDECKEL	17
STIRNRADGEHÄUSEDECKEL	18
VENTILDECKEL	20
KURBELWELLE	21
MOTORBLOCK	22
ZYLINDERKOPF	32
DÄMPFER UND RIEMENSCHEIBE	38
NEBENANTRIEB	39
LÜFTERANTRIEB	40
STIRNRADGEHÄUSE-HALTETEILE	46
SCHWUNGRAD	47
STIRNRAD	48
RIEMENSCHUTZ	49
DÄMPFERVERKLEIDUNG	55
SCHWUNGRADGEHÄUSE	56
STIRNRADGEHÄUSE	57
MOTORHUBÖSE	59
DREHSTROMGENERATOR - BEFESTIGUNG	61
BEFESTIGUNGSHALTERUNG	65
ÖLWANNE	66
PLEUELSTANGE UND KOLBEN	69
VENTILKIPPHEBEL	73
MOTORAUFHÄNGUNG	74
VENTILSTEUERUNG	75
SCHMIERSYSTEM	76
ÖLFILTERSOCKEL	76
ENTLÜFTER	78
ÖLPUMPEN-BEFESTIGUNGSTEILE	79
MOTORÖLEINFÜLLSTUTZEN	80
ÖLFILTER	81
ENTDUNSTER	83
ÖLMESSSTAB	84
MOTORÖLLEITUNGEN	88
MOTORÖLABLASSLEITUNGEN	89
TURBOLADERÖLLEITUNGEN	91
SCHMIERPUMPE	93
KÜHLSYSTEM	95
MOTORÖLKÜHLER	95
KÜHLWASSERLEITUNGSDECKEL	96
DRUCKLÜFTER	97
SAUGLÜFTER	99
KÜHLERSCHUTZ	100
WÄRMEAUSTAUSCHER - SEEWASSER	101
KÜHLWASSERLEITUNGEN (LADELUFTKÜHLER)	107
KÜHLMITTELABLASSLEITUNGEN	109
KÜHLWASSERLEITUNGEN	110
WAERMEAUSTAUSCHER-EINBAUSATZ	116
KÜHLERAUFHÄNGUNG	117
ZUSATZSÜSSWASSERPUMPE	118
KÜHLWASSERPUMPE	121
KÜHLER	124
AUSGLEICHSBEHÄLTER	139
LUFTANSAUG- UND ABGASSYSTEM	142
AUSPUFFANSCHLUSS	142
LUFTREINIGERANSCHLUSS	144
LADELUFTKÜHLER, WASSERGEKÜHLT	145
LUFTREINIGER	147
REGENKAPPE	153
TURBOLADEREINSATZ	154
AUSPUFFBOGEN	158
AUSPUFFANSCHLUSS	164
FLANSCH	170
AUSPUFFLANSCH	171
LUFTREINIGERHAUBE	174
DRUCKLUFTLEITUNGEN	175
AUSPUFFKRÜMMER	178
ANSAUGKRÜMMER	180
LUFTREINIGER-ANBAUSATZ	181
SCHALLDÄMPFERSTÜTZEN	182
SCHALLDÄMPFER	185
AUSPUFFROHR	191
VORREINIGER	194
KRÜMMERSCHILD	196
REGENSCHUTZ	197
LUFTEINLASS-ABSTELLVORRICHTUNG	198
TURBOLADER	200
KRAFTSTOFFSYSTEM	206
DREHZAHLREGLER	206

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

INHALTSVERZEICHNIS

Bezeichnung	Seite
KRAFTSTOFFTANK U. UNTERBAU	209
REGLERSTEUERUNG	210
KRAFTSTOFFSTEUERUNG	213
REGLERSTEUERUNG	214
KRAFTSTOFFÖRDERPUMPEN-DECKEL	221
REGLERANTRIEB	222
REGLER UND KRAFTSTOFFPUMPENANTRIEB	225
DREHZAHLMESSERANTRIEB	228
HALTETEILE (KRAFTSTOFFEINSPRITZPUMPE)	229
REGLER-HALTETEILE	231
KRAFTSTOFFILTER	234
KRAFTSTOFFHAUPTFILTER	238
REGLER	239
REGLER, ELEKTRON.	240
REGLER	242
REGLERANTRIEBSGEHAEUSE	250
KRAFTSTOFFLEITUNGEN, ELAST.	251
KRAFTSTOFFILTERLEITUNGEN	253
KRAFTSTOFFEINSPRITZLEITUNGEN	256
REGLERSTELLGLIED - BEFESTIGUNG	263
KRAFTSTOFFÖRDERPUMPE UND BEFESTIGUNGSTEILE	264
KRAFTSTOFFEINSPRITZPUMPE	265
KRAFTSTOFF-ENTLÜFTUNGSPUMPE	270
KRAFTSTOFFÖRDERPUMPE	271
REGLER UND KRAFTSTOFFEINSPRITZPUMPE	272
REGLERANTRIEB UND KRAFTSTOFFEINSPRITZPUMPE	277
WASSERABSCHEIDER	279
NOTABSCHALTER, MANUELL	281
KRAFTSTOFFTANK UND SOCKEL	282
KRAFTSTOFFTANK	284
DREHMOMENTSTEUERHEBEL	291
ELEKTRISCHE ANLAGE UND STARTSYSTEM	293
DREHSTROMGENERATOR	293
BATTERIELADEGERÄT	300
BATTERIE	304
ANSCHLUSSKASTEN	307
ABZWEIGKASTEN	309
VERLÄNGERUNGSKABEL	317
BATTERIEKABEL	319
UNTERBRECHER	320
ANSCHLUSS, ELEKTR.	350
WASSERTEMPERATUR - SCHALTSCHÜTZ	357
SCHALTSCHÜTZ	358
ALARMSCHALTER	359
MOTORNENNLEISTUNGSSTEUERUNG, ELEKTRON.	361
SPANNUNGSSTEUERUNG, MANUELL	362
*CONTROL GP-SOLENOID	363
ANSCHLUSSKASTENDECKEL	364
UNTERBRECHERABDECKUNG	365
DIODE	366
BATTERIELADEGERÄT-HALTETEIL	367
VERLÄNGERUNGSKASTEN - BEFESTIGUNG	369
VERDRAHTUNGSKABELBAUM-HALTETEILE	371
VERDRAHTUNG - HALTETEILE	374
VERDRAHTUNGSKABELBAUM-HALTETEILE	375
KABELSTRANG	376
*HARNESS AS-PANEL	379
UMLAUFKÜHLWASSERHEIZUNG	380
SCHNITTSTELLENMODUL	384
UNTERBRECHER-ANBAUSATZ	385
SCHALTSCHUETZ-ANBAUSATZ	393
ANBAUSATZ (UMLAUFKÜHLWASSERHEIZUNG)	398
SAMMELSCHIENENSATZ	400
RELAIS	402
HILFSRELAIS	403
ÜBERSTROMRELAIS	403
SPANNUNGSRELAIS	404
FLÜSSIGKEITSSTANDSENSOR	406
DRUCKSENSOR	408
DREHZAHLSENSOR	410
TEMPERATURSENSOR	413
NOTABSCHALTER, ELEKTR.	414
ABSTELLMAGNETSPULE	418
ÄTHERSTARTHILFE	419
STARTERMOTOR	421
BATTERIETRÄGER	429
*SWITCH AS	437
TEMPERATURSCHALTER	439
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
SCHALTER	441
REGLERSCHALTER	441
HEIZSTARTSCHALTER	442
STARTSCHALTER	443
TEMPERATURSCHALTER	444
SCHALTER	446
KIPPSCHALTER	447

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

INHALTSVERZEICHNIS

Bezeichnung	Seite
*WIRING GP-PANEL	448
BEDIENUNGSSTAND	449
STEUERUNG, ELEKTRON. - EMCP	449
ALARMSTEUERMODUL	450
STEUERUNG - EMCP	460
MOTORÜBERWACHUNGSSTEUERUNG	468
KRAFTSTOFFDRUCKANZEIGE	469
BETRIEBSSTUNDENZÄHLER	470
ALARMMODUL	472
RELAIS-STELLGLIEDMODUL	482
SYNCHRON-LICHTMODUL	484
SYSTEMKOMMUNIKATIONSMODUL	492
STEUERPULTTRÄGER	494
INASTRUMENTENTAFEL-EINBAUSATZ	495
SCHALTTAFEL	496
*PANEL AS	502
SCHALTTAFEL	502
SCHALTTAFEL, ELEKTRON.	506
INSTRUMENTENTAFEL	513
GEHÄUSEDICHTUNG	524
DREHZAHLMESSER, ELEKTR.	525
SCHIFFSGETRIEBE	526
AKTUATORBEFESTIGUNG	526
GEHÄUSE, SCHUTZVERKLEIDUNGEN UND SOCKEL	528
MOTORSOCKELAUSLASS-HALTETEIL	528
MOTOR- UND GENERATORAUFLAGERSOCKEL	529
GENERATORABDECKUNG	535
VERKLEIDUNG	536
GENERATORVERKLEIDUNG	537
MOTORVERKLEIDUNG	542
GENERATORMOTOREN	544
GENERATOR-MASSEKABEL	544
GENERATORANSCHLÜSSE	546
KLEMMLEISTE	552
*COVER GP-PROTECTIVE LIFT	554
ZUGANGSKLAPPE	555
FUNKSTÖRUNGSFILTER-HALTETEILE	557
GENERATORMOTOR	558
GENERATOR	573
SPANNUNGSREGLER - EINBAUSATZ	621
SPANNUNGSREGLER	622
ROTOR	634
TRANSFORMATOR	640
STROMWANDLER	641
WARTUNGSAUSRÜSTUNG UND -ZUBEHÖR	643
SCHALTTAFEL - TABELLE	643
TABELLE - SCHILD U. AUFKLEBER	653
*CONVERSION AR-FAST FILL	653
STEUERTAFEL - EINBAUSATZ	654
FUNKENTSTÖRUNGS-FILTERSATZ	657
RAUMHEIZUNGS-EINBAUSATZ	658
ERSATZTEILNUMMERNINDEX	B1

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

GENERAL INFORMATION

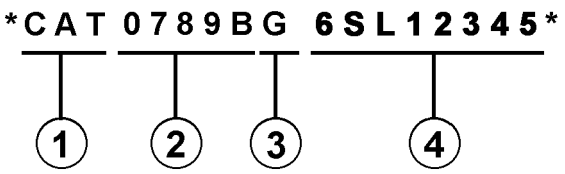
1. ENGINE IDENTIFICATION

Caterpillar engines are identified with Serial Numbers and Arrangement Numbers. In some cases, Modification Numbers are also used. The serial number plate which shows these numbers is mounted on the engine.

Caterpillar dealers need this information to determine which components were included on the engine when it was assembled at the factory. This permits accurate identification of replacement part numbers.

SIS ***New Feature***

Effective First Quarter 2001 the Caterpillar Product Identification Number (PIN) changed from 8 to 17 characters. In an effort to provide uniform equipment identification, Caterpillar and other construction equipment manufacturers are moving to comply with the latest version of the product identification numbering standard. Non-road machine PINs are defined by ISO 10261. The new PIN format will apply to all Caterpillar machines and generator sets. The PIN plates and frame marking will display the 17 character PIN. The new format will look like the following:



Where:

1. Caterpillar's World Manufacturing Code (characters 1-3)

2. Machine Descriptor (characters 4-8)

3. Check Character (character 9)

4. Machine Indicator Section (MIS) or Product Sequence Number (characters 10-17). These were previously referred to as the Serial Number.

Machines and generator sets produced before First Quarter 2001 will maintain their 8 character PIN format.

Components such as engines, transmissions, axles, etc. and work tools will continue to use an 8 character Serial Number (S/N).

2. ORDERING PARTS

⚠ WARNING

When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.

Failure to heed this warning can lead to premature failures, product damage, personal injury or death.

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar machines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the engine for which the parts are needed.

3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. Engine Arrangement and Seat Group are examples of information elements. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

4. TABLE OF CONTENTS

A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

8. CAPTIONS

Captions located at the beginning of each information element identify the part number and part name along with additional descriptive information. S/N information found in each caption should be used to select correct information for a specific engine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term *(contd.)* .

9. NON-SERVICED PARTS

In some instances it is necessary to display non-serviced parts that are a link to lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available. All consist lists have not been converted to reflect this enhancement.

10. PARTS LIST REFERENCE NUMBERS

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

13. ABBREVIATIONS AND SYMBOLS

O.D. – Outside Diameter
I.D. – Inside Diameter
A – Not Part Of This Group
B – Use As Required
C – Change From Previous Type
D – Order By The Meter
E – Order By The Centimeter
F – Not Shown
G – Order By The Inch
I – See Hose Fabrication Guide
M – Metric Part
R – Remfg Part May Be Available
Y – Separate Illustration
Z – Not Serviced Separately

14. REPLACEMENT PARTS FOR GENERATORS

Only those generators which are sold and serviced exclusively by "Caterpillar" Dealers are illustrated on the following pages. Externally-regulated "Caterpillar" Diesel Electric Sets are equipped with generators made by other manufacturers. Parts for these generators are NOT serviced by Caterpillar Inc. Parts lists and parts should be ordered from the manufacturer whose name is shown on the Generator Name Plate, always giving the generator rating and serial number shown.

SIS ***New Feature***

15. <END>

This symbol indicates the end of an information element.

NOTE:

Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

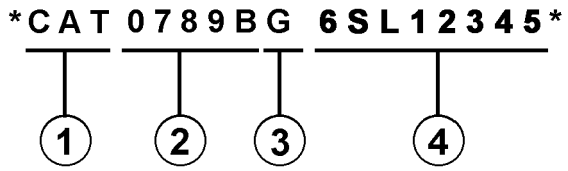
1. IDENTIFICATION DU MOTEUR

Les moteurs Caterpillar portent des numéros de série et des numéros de version. Dans certains cas, des numéros de modification sont aussi utilisés. Ces numéros figurent sur la plaque de numéro de série qui se trouve sur le moteur.

Les concessionnaires Caterpillar ont besoin de ces renseignements pour déterminer les composants inclus sur le moteur lors de l'assemblage à l'usine. Cela permet d'identifier les numéros de pièces de rechange avec précision.

SIS ***Nouvelle Caractéristique***

À partir du premier trimestre 2001, le numéro d'identification produit (PIN) Caterpillar passe de 8 à 17 caractères. Afin de permettre une identification uniforme des matériels, Caterpillar et d'autres constructeurs de machines de travaux publics s'efforcent de se conformer à la norme la plus récente portant sur les numéros d'identification des produits. Les numéros d'identification (PIN) de machines de chantier sont définis par la norme ISO 10261. Le nouveau format du numéro d'identification est valable pour toutes les machines et tous les groupes électrogènes Caterpillar. Le numéro d'identification produit (PIN) figurant sur la plaque et sur le châssis se composera de 17 caractères. Le nouveau format ressemblera à ceci:



Il se décomposera de la façon suivante:

1. Code international de fabrication de Caterpillar (caractères 1 à 3)

2. Descriptif de la machine (caractères 4 à 8)

3. Contrôle (caractère 9)

4. Indicateur machine (MIS) ou numéro de séquence produit (caractères 10 à 17). Ceux-ci étaient auparavant désignés sous le terme de numéro de série.

Les machines et les groupes électrogènes construits avant le premier trimestre 2001 garderont le format à 8 caractères du numéro d'identification produit (PIN).

Les organes tels que les moteurs, les boîtes de vitesses, les essieux, etc., continueront d'être désignés par un numéro de série (S/N) à 8 caractères.

2. COMMANDE DE PIÈCES

Les concessionnaires Caterpillar fournissent dans le monde entier des pièces de rechange de qualité Caterpillar. Leurs stocks de pièces sont constamment réapprovisionnés et comptent toutes les pièces nécessaires pour assurer la bonne marche de vos machines Caterpillar. Certains concessionnaires proposent également des kits de réparation ou des pièces rénovées, ce qui permet de choisir la solution la plus économique dans une situation donnée. Lors des commandes de pièces, mentionner la quantité, le numéro de pièce et la désignation des pièces ainsi que le numéro de série/numéro d'identification (PIN) du moteur pour lequel ces pièces sont requises.

3. ORGANISATION DU CATALOGUE DE PIÈCES

Les renseignements sur les produits sont présentés sous forme de "Information element" (élément d'information) représentant tous les composants d'un modèle donné. "Engine Arrangement" (version de moteur) et "Seat Group" (assemblage de siège)" sont des exemples d'éléments d'information. Les éléments d'information sont classés par ordre alphabétique par la désignation standard des pièces et par numéros de pièces dans chaque partie importante du manuel.

4. TABLE DES MATIÈRES

SIS ***Nouvelle Caractéristique***

La table des matières se trouve au début du manuel. La table des matières fournit la liste de tous les chapitres du manuel avec une liste complète de tous les éléments d'information classés par ordre d'apparition dans le manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

5. INDEX DES PIÈCES D'ENTRETIEN

La rubrique "Index des pièces d'entretien" qui se trouve au début du manuel renvoie aux pièces d'entretien les plus fréquemment utilisées en précisant la désignation, la quantité, là où la pièce est utilisée et le numéro de page. Ces pièces sont classés par ordre alphabétique.

6. INDEX

L'index qui se trouve vers le début du manuel est une liste alphabétique de tous les éléments d'information du manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

7. INDEX DES NUMÉROS DE PIÈCES

Une liste numérique de tous les numéros de pièces et des pages correspondantes se trouve à la fin du manuel.

8. LÉGENDES

Les légendes qui se trouvent en haut de chaque page de chaque élément d'information fournissent le numéro de pièce, la désignation ainsi que des renseignements supplémentaires sur les pièces. Les renseignements concernant les numéros de série (S/N) qui se trouvent dans chaque légende doivent être utilisés pour sélectionner les informations correctes pour un moteur donné. Les informations concernant les options de remplacement sur le chantier, l'identification des composants des équipements offerts en option et les lieux d'application sont aussi fournies.

SIS ***Nouvelle Caractéristique***

Les lettres de la première ligne d'une légende sont présentées en police plus grande afin d'indiquer le début d'une unité d'information. Les légendes qui pourraient être requises pour des pages supplémentaires afin d'illustrer une unité d'information seront présentées en police standard et comprendront le terme (à suivre).

9. PIÈCES NON FOURNIES

SIS ***Nouvelle Caractéristique***

Dans certains cas, il est nécessaire d'indiquer les pièces non fournies qui sont en aval de la liste des pièces d'entretien. Les numéros des pièces non fournies dans la liste des pièces et les légendes seront en italique pour signaler qu'ils ne sont pas disponibles.

10. NUMÉROS DE RÉFÉRENCE DE LA LISTE DES PIÈCES

SIS ***Nouvelle Caractéristique***

Les numéros indiqués dans la colonne des numéros de références correspondent aux numéros utilisés dans les illustrations auxquelles ils sont associés. Un suffixe alphabétique peut être ajouté à un numéro de référence pour identifier la liste des articles en aval. Les numéros indiqués dans la colonne de référence de l'illustration renvoient à l'identification du numéro affiché dans le coin inférieur gauche de chaque illustration. Le numéro de référence de l'illustration pourrait être utilisé avec le numéro de référence de l'article pour déterminer le numéro de pièce correct. Il peut y avoir une omission intentionnelle d'un numéro de référence dans une liste de pièces suite à la mise à jour des informations en vue de refléter les numéros de pièces les plus récentes.

11. INDENTED PART NAMES (DÉSIGNATIONS DE PIÈCES EN RETRAIT)

Lorsqu'une désignation de pièce est en retrait, cela veut dire que l'article en regard fait partie de l'ensemble sous lequel il figure.

12. LETTRES DE RÉFÉRENCE DES ILLUSTRATIONS

Quand cela est nécessaire, les illustrations comportent des lettres de référence (A, B, C, etc.) pour montrer le trajet des canalisations et faisceaux de câbles d'un point à l'autre. Elles sont utilisées également pour indiquer où relier les illustrations séparées auparavant.

13. ABRÉVIATIONS ET SYMBOLES

O.D. – Diamètre extérieur
I.D. – Diamètre intérieur
A – Ne fait pas partie de ce groupe
B – Utiliser selon besoin
C – Modification
D – Commander par mètre
E – Commander par centimètre
F – Non représenté
G – Commander par pouce
I – Voir "Hose Fabrication Guide"
M – Pièce métrique
R – Pièce rénovée éventuellement disponible
Y – Illustration séparée
Z – Non fourni séparément

14. REMPLACEMENT DES PIÈCES D'ALTERNATEURS

Seuls les alternateurs vendus et entretenus exclusivement par les concessionnaires "Caterpillar" sont illustrés dans les pages suivantes. Les groupes électrogènes diesel Caterpillar à régulation extérieur sont équipés d'alternateurs fabriqués par d'autres constructeurs. Les pièces de ces alternateurs NE sont PAS entretenus par Caterpillar Inc. La liste des pièces et les pièces elles-mêmes doivent être commandées du constructeur dont le nom est inscrit sur la plaque signalétique de l'alternateur, en précisant la puissance nominale de l'alternateur ainsi que le numéro de série indiqués.

NOTA:

En raison du progrès technique et des améliorations continuelles apportées au matériel, votre machine comporte peut-être des modifications qui n'apparaissent pas dans la présente publication. En cas de doute sur un détail de votre machine Caterpillar ou sur le texte de la présente publication, adressez-vous à votre concessionnaire Caterpillar.

INFORMACIÓN GENERAL

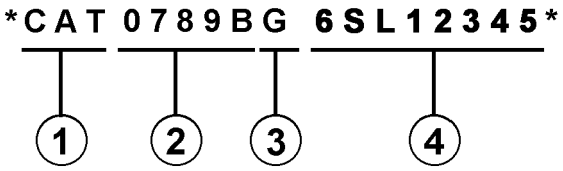
1. IDENTIFICACIÓN DEL MOTOR

Los motores Caterpillar se identifican con Números de Identificación del Producto (PIN). El motor se identifica además con Números de Configuración y en algunos casos, Números de Modificación. Estos números están en las placas de identificación que se encuentran montadas en el motor.

Los distribuidores Caterpillar necesitan esta información para determinar que componentes fueron incluidos en el motor cuando lo ensamblaron en la fábrica. Estos números permiten identificar con exactitud los números de piezas de repuesto.

SIS ***Nueva Característica***

A partir del primer trimestre del 2001, el Número de Identificación de Producto (PIN) de Caterpillar cambió de 8 a 17 caracteres. Para hacer más uniforme el método de identificación de equipos, Caterpillar y otros fabricantes de equipo de construcción han tomado medidas para cumplir con la versión más reciente de la norma de numeración de identificación de productos. Los Números de Identificación de Producto para máquinas que no se operan en carreteras son definidos por la norma ISO 10261. El nuevo formato PIN corresponderá a todas las máquinas y grupos electrógenos Caterpillar. Las placas y los caracteres PIN estampados en el bastidor mostrarán el PIN de 17 caracteres. El nuevo formato tendrá la apariencia siguiente:



Significado de los caracteres:

1. Código de Fabricación Mundial de Caterpillar (caracteres 1-3)

2. Sección Descriptor de la Máquina (caracteres 4-8)

3. Carácter de Verificación (carácter 9)

4. Sección Indicador de la Máquina (MIS) o Número de Secuencia de Producto (caracteres 10-17). Anteriormente, estos caracteres constituían el Número de Serie.

Las máquinas y grupos electrógenos producidos antes del primer semestre del 2001 mantendrán su formato PIN de 8 caracteres.

Los componentes como motores, transmisiones, ejes, herramientas de trabajo, etc., continuarán usando un Número de Serie (S/N) de 8 caracteres.

2. COMO PEDIR REPUESTOS

Las piezas de repuesto Caterpillar de calidad están disponibles de los distribuidores Caterpillar en todo el mundo. Sus existencias actualizadas incluyen todas las piezas normalmente requeridas para proteger su inversión en máquinas Caterpillar. Los distribuidores pueden tener juegos de reparación o piezas remanufacturadas para permitir la selección de la mejor alternativa de reparación en un caso en particular. Al pedir piezas de repuesto, especifique en su pedido la cantidad, el número de pieza, el nombre de la pieza y el número de serie/número de identificación del producto del motor para la cual se necesitan estas piezas.

3. ORGANIZACION DEL MANUAL DE PIEZAS

La información sobre el producto, se presenta en este manual, como "elementos de información" que representan todos los componentes de un modelo específico. Las configuraciones de motores y los grupos de asientos son ejemplos de elementos de información. Los elementos de información están organizados primeramente por nombres de piezas en orden alfabético y en segundo lugar, por el número de pieza dentro de cada sección principal del manual.

4. CONTENIDO

La página de Contenido se encuentra al comienzo del manual. El Contenido indica cada sección del manual con una lista completa de todos los elementos de información organizados en el orden que aparecen en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

5. INDICE DE PIEZAS DE MANTENIMIENTO

Al frente de este catálogo se encuentra un índice de los números de piezas utilizadas más frecuentemente para el mantenimiento, que incluye descripción, cantidad necesaria, lugar de utilización y número de página. Esta información está organizada alfabéticamente, por descripción de la pieza.

6. ÍNDICE

El Índice, ubicado cerca frente del manual, es una lista en orden alfabético de todos los elementos de información incluídos en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

7. INDICE NUMÉICO DE PIEZAS

Un índice numérico de piezas con el correspondiente número de página aparece al final de este catálogo.

8. TÍTULOS

Los títulos ubicados al principio de cada elementos de información identifican el número y el nombre de la pieza junto con información descriptiva adicional para ayudar al usuario a seleccionar información correcta para un motor en particular. También se suministra información sobre las opciones de reparación en el campo, la identificación de componentes de accesorios optativos y el lugar de ubicación de la pieza ("es parte de").

La primera línea del título se muestra con un tipo de letra más grande para indicar el comienzo de un elemento de información. Si se requieren páginas adicionales para ilustrar un elemento de información, los títulos se muestran con un tipo de letra normal y la continuación se indica entre paréntesis.

9. PIEZAS QUE NO SE SUMINISTRAN COMO REPUESTO

En algunos casos es necesario indicar piezas que no se suministran como repuesto pero que pueden estar conectadas a listas de componentes de otras piezas de repuesto. En tal caso, dichas piezas se muestran en cursiva para indicar que no son piezas disponibles.

10. NÚMEROS DE REFERENCIA

Los números en la columna de No. de Referencia corresponden a los números indicados en la ilustración que pertenece a ese número de pieza. Los números que tienen un sufijo alfabético identifican artículos de las listas de componentes de piezas. Los números en la columna de Referencia de la ilustración se identifican en la esquina inferior izquierda de cada ilustración. Para determinar el número de pieza correcto se puede utilizar tanto el No. de Referencia de la ilustración como el No. de Referencia del artículo. A medida que se actualiza la información para indicar los más recientes números de piezas de repuesto, puede omitirse intencionalmente un No. de Referencia en una lista de componentes de piezas.

11. NOMBRES DE PIEZA SANGRADOS

Cuando el nombre de una pieza está sangrado en una lista, significa que esta pieza forma parte del grupo o conjunto del renglón inmediatamente superior.

12. LETRAS DE REFERENCIA DE ILUSTRACIONES

Las ilustraciones contienen algunas veces letras de referencia (A, B, C etc.) cuyo propósito es seguir el trayecto de líneas y mazos de cables de un punto a otro. También se utilizan para mostrar dónde volver a unir ilustraciones que se habían separado.

13. ABREVIATURAS Y SIMBOLOS

O.D. – Diámetro exterior
I.D. – Diámetro interior
A – No es pieza de este grupo
B – Utilizado según la demanda
C – Indica cambio
D – Se pide por metro
E – Se pide por centímetro
F – No se muestra
G – Se pide por pulgada
I – Ver "Hose Fabrication Guide"
M – Pieza métrica
R – Puede estar disponible como pieza remanufacturada
Y – Ilustración separada
Z – No se suministra por separado

14. PIEZAS DE REPUESTOS PARA GENERADORES

Solamente los generadores que son vendidos y que reciben servicio exclusivamente de los distribuidores "Caterpillar" están ilustrados en las siguientes páginas. Externamente-regulado los juegos eléctricos diesel "Caterpillar" están equipados con generadores fabricados por otros fabricantes. Las piezas para estos generadores NO reciben servicio de Caterpillar Inc. Las listas de piezas y piezas deben ser pedidas por medio del fabricante cuyo nombre se encuentra en la placa del nombre del generador, además se debe dar la potencia de régimen y el número de serie indicado.



Nueva Característica

15. <END>

Este símbolo indica el final de un elemento de información.

NOTA:

Las contínuas mejoras y adelantos en diseño podrían originar cambios a su máquina que no se incluyan en esta publicación. Cuando tenga alguna pregunta acerca de su producto Caterpillar o de esta publicación, consulte al distribuidor Caterpillar para obtener la información más reciente.

INFORMAÇÃO GERAL

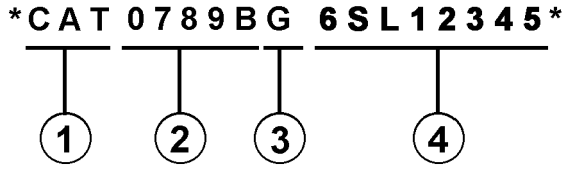
1. IDENTIFICAÇÃO DO MOTOR

Os motores Caterpillar são identificadas pelos Números de Série e Números de Arranjo. Em alguns casos, Números de Modificação são também usados. A placa do número de série que exibe esses números encontra-se no motor.

Os revendedores Caterpillar necessitam destas informações para determinar que componentes foram incluídos no motor durante a montagem na fábrica. Isto facilita a identificação precisa dos números de peça de reposição.

SIS ***Novidades***

A partir do primeiro trimestre de 2001 o Número de Identificação de Produto da Caterpillar (PIN) precisa ser mudado de 8 para 17 caracteres. Esforçando-se para fornecer uma identificação uniforme de equipamentos, a Caterpillar e outros fabricantes de equipamento de construção estão mudando para atender a versão mais atualizada do padrão de identificação de produtos. Os números de PIN para produtos de aplicações não rodoviárias são definidos pela ISO 10261. O novo formato de número PIN será adotado em todas as máquinas e grupos geradores Caterpillar. As placas e as marcações do chassi mostrarão os 17 dígitos de PIN. O novo formato terá a seguinte disposição:



Onde:

1. Código de Fabricação Mundial da Caterpillar (dígitos 1-3)

2. Descrição da Máquina (dígitos 4-8)

3. Dígito de Verificação (dígito 9)

4. Seção de Indicador da Máquina (MIS) ou Número de Seqüência de Produto (dígitos 10-17). Estes eram anteriormente chamados de Número de Série.

Máquinas e grupos geradores produzidos antes do primeiro trimestre de 2001 manterão o formato de 8 caracteres de PIN.

Componentes como motores, transmissões, eixos, ferramentas de trabalho, etc. continuarão a usar Número de Série (S/N) com oito caracteres.

2. COMO OBTER PEÇAS

As Peças de Reposição de Qualidade Caterpillar encontram-se disponíveis nos revendedores Caterpillar no mundo inteiro. Seus estoques de peças são atualizados e incluem todas as peças normalmente necessárias para proteger seu investimento em máquinas Caterpillar. Alguns revendedores podem oferecer jogos de reparo ou peças de troca/ remanufaturadas disponíveis como uma opção da alternativa de reparo mais eficaz para uma situação específica. Ao encomendar peças, seu pedido deve especificar a quantidade, o número e o nome da peça e o número de série/número de identificação do produto referentes ao motor para o qual as peças se destinam.

3. ORGANIZAÇÃO DO MANUAL DE PEÇAS

A informação do produto neste manual é apresentada em forma de "elementos de informação" que representam todos os componentes para o modelo específico. Arranjo de Motor e Grupo de Assento são exemplos de elementos de informação. Os elementos de informação são organizados em ordem alfabética por nome de peça ou secundariamente, por número de peça incluído em cada seção principal do manual.

4. LISTA DE CONTEÚDOS

A Lista de Conteúdos (TOC) se encontra no princípio do manual. A Lista de Conteúdos (TOC) relaciona em cada seção do manual uma lista completa com todos os elementos de informação organizados conforme aparecem no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

5. ÍNDICE DE PEÇAS DE MANUTENÇÃO

O Índice de Peças de Manutenção, localizado perto do princípio do manual, faz referência aos números de peça de manutenção usados com maior frequência, fornecendo uma descrição, a quantidade, o uso e o número de página. Esta informação é organizada com a descrição da peça em ordem alfabética.

6. ÍNDICE

O Índice localizado perto do princípio do manual, consiste de uma lista em ordem alfabética de todos os elementos de informação incluídos no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

7. ÍNDICE DE NÚMERO DE PEÇA

Um índice numérico relacionando todos os números de peça e a(s) página(s) correspondentes, aparece no final do manual.

8. LEGENDAS

As legendas localizadas no início de cada elemento de informação identifica o número de peça e o nome da peça, juntamente com informação descritiva adicional. Informações sobre o Número de Série (S/N) encontradas em cada legenda devem ser usadas para selecionar a informação correta sobre um motor específico. Opções de substituição no campo, identificação de componentes de acessórios opcionais e informações sobre onde são utilizados ("parte de") são também fornecidas.

A primeira linha de uma legenda é indicada em tipo maior para indicar o princípio de um elemento de informação. Legendas para páginas adicionais que podem ser necessárias para ilustrar um elemento de informação serão apresentadas em tipo padrão e incluirão o termo *(continua)* .

9. NÃO DISPONÍVEL SEPARADAMENTE

Em alguns casos, é necessário mostrar peças não disponíveis separadamente que têm uma ligação com listas de conteúdos de nível inferior que podem receber serviço de manutenção. Os números de peça destes componentes não disponíveis aparecerão em *itálico* , a fim de indicar que não estão disponíveis.

10. NÚMEROS DE REFERÊNCIA À LISTA DE PEÇAS

Os números indicados na coluna Ref No (No. de Referência) correspondem-se aos números usados no(s) gráfico(s) correspondente(s). Um sufixo com letras pode ser acrescentado a um número de referência para identificar itens de conteúdo de nível inferior. Os números indicados na coluna Graphic Ref (Referência de Gráfico) referem-se ao identificador de número de gráfico presente no canto esquerdo inferior de cada ilustração. O número de Referência de Gráfico pode ser usado em combinação com o item Ref No para determinar-se o número de peça correto. Poderá haver omissão intencional de um número de referência (Ref No) de uma lista de conteúdos uma vez que as informações são atualizadas para refletir os números de peça mais recentes que podem receber serviço de manutenção.

11. NOMES DE PEÇAS DESALINHADOS

Quando um nome de peça encontra-se desalinhado numa lista de peças, significa que tal item faz parte do (está incluído no) grupo ou conjunto sob o qual está relacionado.

12. LETRAS DE REFERÊNCIA NAS ILUSTRAÇÕES

Quando necessário, as ilustrações contêm letras de referência (A, B, C, etc.) que são utilizadas para seguir tubulações e cabos elétricos de um ponto a outro. Também foram utilizadas para indicar onde se pode reconectar as ilustrações que foram separadas.

13. ABREVIAÇÕES E SÍMBOLOS

O.D. – "Outside Diameter" (Diâmetro Externo)
I.D. – "Inside Diameter" (Diâmetro Interno)
A – Não faz parte deste grupo
B – Use conforme necessário
C – Indica modificação
D – Vendido por metro
E – Vendido por centímetro
F – Não ilustrado
G – Vendido por polegada
I – Consulte o seu revendedor quanto a mangueira
M – Peça métrica
R – Peça remanufaturada pode estar disponível; consulte o seu revendedor Cat
Y – Ilustração separada
Z – Não disponível separadamente

14. PEÇAS DE REPOSIÇÃO PARA GERADORES

Estão ilustrados nas páginas seguintes apenas os geradores vendidos e reparados exclusivamente pelos revendedores "Caterpillar". Os Conjuntos Elétricos à Diesel da "Caterpillar" regulados externamente são equipados com geradores fabricados por outras firmas. Peças para estes geradores NÃO são fornecidas pela Caterpillar Inc. Índices de peças e peças devem ser encomendados junto à firma cujo nome aparece na Placa de Nome do Gerador, sempre fornecendo a classificação do gerador e o número de série indicado.

SIS *Novidades*

15. <END>

Este símbolo indica o final de um elemento de informação.

NOTA:

Os contínuos aperfeiçoamentos e avanços no projeto do produto podem ocasionar modificações em sua máquina que talvez ainda não estejam incluídas nesta publicação. Sempre que surgirem dúvidas quanto a um produto Caterpillar ou quanto à presente publicação, consulte o seu revendedor Caterpillar para obter as informações mais recentes disponíveis.

ALLGEMEINE HINWEISE

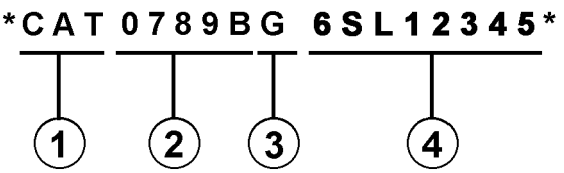
1. MOTORENKENNZEICHNUNG

Caterpillar-Motoren sind mit SERIAL NUMBERS (Seriennummern) und ARRANGEMENT NUMBERS (Ausführungsnummern) gekennzeichnet. In einigen Fällen werden auch MODIFICATION NUMBERS (Änderungsnummern) erteilt. Diese Nummern befinden sich auf dem Typenschild des Motors.

Die Caterpillar-Händler benötigen diese Nummern, um festzustellen, welche Bauteile bei der Montage des Motors verwendet wurden. Dies ermöglicht das Auffinden der richtigen Ersatzteilnummern.

SIS ***Neu im Parts Manual***

Vom ersten Quartal 2001 ab wurde die Caterpillar Produkt-Identnummer (PIN) von 8 auf 17 Zeichen geändert. Um zur Standardisierung der Produkt-Identnummer beizutragen, sind Caterpillar und andere Baumaschinenhersteller bestrebt, die aktuellste Norm zur Produkt-Identnummerierung einzuführen. Produkt-Identnummern für Baumaschinen sind durch ISO 10261 definiert. Das neue Format der Produkt-Identnummern gilt für alle Caterpillar-Maschinen und -Stromaggregate. Die Produkt-Identschilder und -Identrahmenmarkierung enthalten die aus 17 Zeichen bestehende Identnummer. Das neue Format hat folgende Abschnitte:



Abschnitte:

1. Caterpillars weltweiter Herstellungscode (Zeichen 1-3)

2. Modell (Zeichen 4-8)

3. Kontrollzeichen (Zeichen 9)

4. Maschinenspezifische Kennung (MIS) oder Produktsequenznummer (Zeichen 10-17). Diese wurde früher als Seriennummer bezeichnet.

Für vor dem ersten Quartal 2001 hergestellte Maschinen und Stromaggregate wird das aus 8 Zeichen bestehende PIN-Format beibehalten.

Bauteile wie z.B. Motoren, Getriebe, Achsen sowie Arbeitsgeräte werden weiterhin eine aus 8 Zeichen bestehende Seriennummer (S/N) aufweisen.

2. BESTELLEN VON ERSATZTEILEN

Original Caterpillar-Ersatzteile können weltweit bei jedem Caterpillar-Händlern bestellt werden. Die umfangreichen Händlerlager enthalten normalerweise alle Teile, die Sie für Ihre Caterpillar-Maschine benötigen. Einige Händler bieten Reparatursätze, Austausch- oder werküberholte Teile an, so daß Sie eine Auswahl unter verschiedenen Reparaturmöglichkeiten treffen können. Ihre Bestellung muß folgende Angaben enthalten: Anzahl der benötigten Teile, Bestellnummer, Bezeichnung des Teils und Serien-Nr./Produkt-Ident-Nr. des Motors, für den diese Teile benötigt werden.

3. AUFBAU DES PARTS MANUAL

Die Produktinformationen für alle Komponenten eines bestimmten Modells sind in INFORMATION ELEMENTS (Informationseinheiten) gegliedert. ENGINE ARRANGEMENT (Motorausführung) und SEAT GROUP (Fahrersitz) sind Beispiele für solche Informationseinheiten. Sie sind innerhalb jeder Gruppe alphabetisch, entsprechend der Ersatzteilbezeichnung, und zusätzlich numerisch, entsprechend der Ersatzteilnummer, geordnet.

4. INHALTSVERZEICHNIS

Das Inhaltsverzeichnis befindet sich am Anfang des Buches. Im Inhaltsverzeichnis werden die einzelnen Abschnitte des Buches aufgeführt. Die Abschnitte enthalten eine vollständige Aufstellung aller Informationseinheiten. Diese sind entsprechend ihrem Erscheinen im Buch geordnet. Das Inhaltsverzeichnis enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

5. INDEX FÜR WARTUNGSTEILE

Der Index für Wartungsteile vorn im Buch enthält die Bestellnummern, Seitenangaben, Mengenangaben und Informationen über den Einsatzbereich für die am häufigsten benötigten Ersatzteile. Die Angaben sind alphabetisch entsprechend der Teilebezeichnung geordnet.

6. INDEX

Der Index vorn im Buch enthält eine alphabetische Liste aller Informationseinheiten. Er enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

ALLGEMEINE HINWEISE

7. INDEX FÜR BESTELLNUMMERN

Hinten im Buch befindet sich ein numerischer Index, mit allen Bestellnummern und dem Hinweis auf die Seite, auf der sich die betreffende Abbildung befindet.

8. ÜBERSCHRIFTEN

Die Überschriften, die sich am Anfang jeder der Informationseinheiten befinden, enthalten Bestellnummern, Ersatzteilbezeichnungen und zusätzliche beschreibende Informationen. Die Seriennummern in den Überschriften sollten zur Auswahl der richtigen Informationen für den betreffenden Motor verwendet werden. Die Überschriften enthalten außerdem Informationen über möglichen Außendienstersatz, mögliche Baugerätekomponenten und die Baugruppe, zu der das Teil gehört.

Die erste Zeile einer Überschrift erscheint in einer größeren Schriftart, um den Anfang einer Informationseinheit zu kennzeichnen. Überschriften für zusätzliche Seiten, die zur Erläuterung einer Informationseinheit notwendig sind, erscheinen in normaler Schriftart und enthalten den Begriff "(contd.)".

9. NICHT EINZELN LIEFERBARE TEILE

In einigen Fällen ist es notwendig nicht lieferbare Teile, die selbst mit einer eigenen Teilliste im Buch vertreten sind, aufzuführen. Die Bestellnummern dieser nicht einzeln lieferbaren Teile erscheinen kursiv, wodurch angezeigt wird, daß sie nur in Verbindung mit anderen Teilen lieferbar sind.

10. REFERENZNUMMER FÜR ERSATZTEILE

Die Zahlen, die in der Spalte "Ref No" aufgeführt sind, stimmen mit den Zahlen in den beigefügten Abbildungen überein. Ein Buchstaben-Suffix kann zu einer Referenznummer hinzugefügt werden, um zu kennzeichnen, daß das Teil mit einer eigenen Teilliste im Buch aufgeführt ist. Die in der Spalte "Graphic Ref" angeführten Zahlen verweisen auf die Identifikationsnummer der Abbildung, die sich in der linken unteren Ecke der Abbildung befindet. Diese Nummer kann zusammen mit der Referenznummer des Teils angegeben werden, um die richtige Ersatzteilnummer zu ermitteln. Referenznummern können absichtlich weggelassen werden, da die Nummern der lieferbaren Ersatzteile ständig aktualisiert werden.

11. EINGERÜCKTE BEZEICHNUNGEN

Wenn eine Bezeichnung eingerückt ist, wird dadurch angezeigt, daß das Teil zu einer Baugruppe gehört, unter deren Bezeichnung es eingerückt ist.

12. REFERENZBUCHSTABEN

Falls erforderlich sind in den Abbildungen Referenzbuchstaben enthalten (z.B. A, B, C, usw.), die Leitungen und Kabelbäume von einem Punkt zum anderen verfolgen. Außerdem geben sie die Stelle an, an der getrennte Abbildungen fortgesetzt werden.

13. ABKÜRZUNGEN UND SYMBOLE

O.D. – Außendurchmesser
I.D. – Innendurchmesser
A – kein Teil dieser Gruppe
B – nach Bedarf verwenden
C – Hinweis auf eine Änderung
D – in Meter-Länge bestellen
E – in Zentimeter-Länge bestellen
F – nicht gezeigt
G – in Zoll-Länge bestellen
I – siehe "Hose Fabrication Guide"
M – metrisches Teil
R – werküberholtes Teil unter Umständen lieferbar
Y – separate Abbildung
Z – nicht einzeln lieferbar

14. ERSATZTEILE FÜR GENERATOREN

Nur Generatoren, die ausschließlich von Caterpillar-Händlern verkauft und gewartet werden, sind auf den folgenden Seiten abgebildet. Generatoren von anderen Herstellern, die von Caterpillar-Motoren angetrieben werden, unterliegen aber nicht den Caterpillar-Servicebedingungen. Ersatzteile für diese Generatoren werden NICHT durch Caterpillar, Inc. gewartet. Ersatzteillisten und Ersatzteile können beim Hersteller des Generators, dessen Name sich auf dem Typenschild befindet, auf dem die Generator-Nennleistung und die Seriennummer eingeprägt sind, bestellt werden.

SIS *Neu im Parts Manual*

15.<END>

Dieses Symbol zeigt das Ende eines Informationselements an.

ANMERKUNG:

Ständig vorgenommene Verbesserungen und Weiterentwicklungen an Ihrer Maschine können Änderungen verursachen, die in der vorliegenden Ausgabe noch nicht berücksichtigt sind. Fragen zu Ihrer Caterpillar-Maschine oder diesem Ersatzteilbuch beantwortet Ihr Caterpillar-Händler.

REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R* at the beginning of the first line of the caption
- with an *R at the end of the first line of the caption

Typical components included in the Remanufacturing Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS
PISTONS
SHORT BLOCKS
STARTERS
TURBOCHARGERS - COMPLETE
TURBOCHARGER CARTRIDGES
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

OPTIONS DE RÉPARATION

COMPOSANTS RÉNOVÉS

Comme option de réparation, considérer les composants rénovés Caterpillar. Les composants disponibles dans le cadre du programme Caterpillar de composants rénovés sont identifiés de trois façons dans le catalogue de pièces:

- avec la lettre "R" dans l'espace note de la liste des pièces
- avec R* au début de la première ligne des légendes
- avec *R à la fin de la première ligne des légendes

Les composants suivants figurent parmi les composants typiques du programme de rénovation:

ALTERNATEURS
BIELLES
VILEBREQUINS - SOUS-DIMENSIONNÉS
VILEBREQUINS - REMIS À NEUF
CULASSES
MODULES DE COMMANDE ÉLECTRONIQUE (ECM)
CAPTEURS ÉLECTRONIQUES
INJECTEURS
TÊTES D'INJECTEURS
POMPES À CARBURANT
RÉGULATEURS
POMPES À HUILE
PISTONS
BLOCS EMBIELLÉS
DÉMARREURS
TURBOCOMPRESSEURS - COMPLETS
CARTOUCHES DE TURBOCOMPRESSEUR
POMPES À EAU

Des moteurs rénovés sont aussi disponibles pour plusieurs versions de moteur.

COMPONENTES REMANUFACTURADOS

Al hacer reparaciones, tenga en cuenta la opción de Componentes Remanufacturados Caterpillar. Los componentes que están disponibles por medio del programa de Productos Remanufacturados Caterpillar se identifican de tres maneras en el manual de piezas:

- con la letra R en el espacio de Nota de la lista de piezas
- con una R* al comienzo de la primera línea de la leyenda
- con una *R al final de la primera línea de la leyenda

Los componentes que se incluyen típicamente en el Programa de Productos Remanufacturados son:

ALTERNADORES
BIELAS
CIGÜEÑALES - BAJOMEDIDA
CIGÜEÑALES - REMANUFACTURADOS A NUEVO
CULATAS
MÓDULOS DE CONTROL ELECTRÓNICO (ECM)
SENSORES ELECTRONICOS
INYECTORES
BOQUILLAS
BOMBAS DE COMBUSTIBLE
REGULADORES
BOMBAS DE ACEITE
PISTONES
MONOBLOQUES
MOTORES DE ARRANQUE
TURBOCOMPRESORES - COMPLETOS
NÚCLEOS DE TURBOCOMPRESOR
BOMBAS DE AGUA

También hay disponibles motores Remanufacturados Caterpillar para muchas de las configuraciones de motores.

COMPONENTES REMANUFATURADOS

Considere o uso de Componentes Remanufaturados Caterpillar ao efetuar reparos. Os componentes disponíveis através do Programa de Remanufatura Caterpillar são identificados de três formas no manual de peças:

- com um R na área da nota da lista de peças
- com um R* no princípio da primeira linha da legenda
- com um *R no final da primeira linha da legenda

Os componentes típicos que constam no Programa de Remanufatura incluem:

ALTERNADORES
BIELAS
VIRABREQUINS - SUBMEDIDAS
VIRABREQUINS - ATUALIZAÇÃO
CABEÇOTES
MÓDULOS DE CONTROLE ELETRÔNICO (ECM)
SENSORES ELETRÔNICOS
INJETORES DE COMBUSTÍVEL
BICOS DE ABASTECIMENTO DE COMBUSTÍVEL
BOMBAS DE COMBUSTÍVEL
GOVERNADORES
BOMBAS DE ÓLEO
PISTÕES
BLOCOS BÁSICOS DO MOTOR
MOTORES DE PARTIDA
TURBOALIMENTADORES - COMPLETOS
CARTUCHOS DE TURBOALIMENTADORES
BOMBAS D'ÁGUA

Motores Remanufaturados Caterpillar também encontram-se disponíveis para diversos arranjos de motor.

WERKÜBERHOLTE AT-PRODUKTE

Bei Reparaturen sollten werküberholte AT-Produkte von Caterpillar in Betracht gezogen werden. Die durch das AT-Programm von Caterpillar erhältlichen Teile sind im Parts Book auf drei verschiedene Arten gekennzeichnet:

- mit dem Buchstaben R in der Spalte NOTE der Ersatzteilliste
- mit einem R* am Anfang der ersten Zeile der Überschrift
- mit einem *R am Ende der ersten Zeile der Überschrift

Das AT-Programm umfaßt u.a. folgende Produkte:

DREHSTROMGENERATOREN
PLEUELSTANGEN
KURBELWELLEN - MIT UNTERMASS
KURBELWELLEN - MIT ORIGINALMASS
ZYLINDERKÖPFE
ELEKTRONISCHE STEUEREINHEITEN (EMC)
ELEKTRONISCHE SENSOREN
PUMPENDÜSEN
EINSPRITZDÜSEN
KRAFTSTOFFPUMPEN
DREHZAHLREGLER
ÖLPUMPEN
KOLBEN
TEILMOTOREN
ANLASSER
TURBOLADER - KOMPLETT
TURBOLADERLAUFZEUGE
KÜHLWASSERPUMPEN

Viele Motoren können durch werküberholte AT-Motoren von Caterpillar ersetzt werden.

SUPPLEMENTAL COOLANT ADDITIVES

CUSTOMER BENEFITS:

Protects against cavitation, foam, erosion, corrosion, and scale buildup in cooling systems.

- Provides measured coolant conditioner.

DESCRIPTION:

Additives deplete from the coolant with normal operation. For this reason, Supplemental Coolant Additives (SCA) must be added to all heavy duty coolants at regular intervals. In addition, when not using a fully formulated, pre-charged antifreeze, like Caterpillar's DEAC, an initial charge of SCA must be added to the cooling system. The amount of SCA added to the system is dependent on the capacity of the system.

The SCA for initial fill is provided as a liquid. SCA's for maintenance intervals are available in liquid form and as a spin-on element. (No Spin-on available for 3600 Family of Engines)

NOTE:

The amount of SCA added at initial fill is not the same as the amount added at maintenance intervals.

The coolant additive elements can be used with any ethylene or propylene glycol type antifreeze which meets ASTM D4985 or ASTM D5345 Specifications.

NOTE:

For use with standard heavy duty coolant only, not for use with Extended Life Coolant.

PARTS NEEDED:

Cooling System Capacity		Liquid SCA at Initial Fill	Liquid SCA at Maintenance*	Spin-on SCA Maintenance Element*
Liters	Gallons			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

** Normal maintenance period is 250 hrs. See your Operation and Maintenance Manual for complete coolant maintenance instructions.*

( ) Indicates quantity required.

ADDITIFS POUR LIQUIDE DE REFROIDISSEMENT

AVANTAGES POUR LE CLIENT

L'additif protège contre la cavitation, la mousse, l'érosion, la corrosion et l'accumulation de dépôts dans le circuit de refroidissement.

- L'additif complémentaire fournit une quantité mesurée d'additif.

DESCRIPTION:

Les additifs s'épuisent pendant l'utilisation du moteur. C'est pourquoi l'on doit ajouter de l'additif au liquide de refroidissement/antigel pour moteurs diesel à intervalles réguliers. En plus, si l'on n'utilise pas de l'antigel entièrement formulé et pré-chargé comme le liquide de refroidissement/antigel Caterpillar pour moteurs diesel, une quantité initiale d'additif doit être ajoutée au circuit de refroidissement. La quantité d'additif à ajouter au circuit dépend de la contenance du circuit.

L'additif pour le remplissage initial est fourni sous forme liquide. L'additif pour l'entretien ultérieur est disponible sous forme liquide et sous forme d'élément à visser. (Il n'y a pas d'élément à visser pour les moteurs de la famille 3600).

NOTA:

La quantité d'additif à ajouter au remplissage initial diffère de la quantité à ajouter aux intervalles d'entretien.

Les éléments d'additif peuvent être utilisés avec tout antigel de type éthylène ou propylène-glycol conforme à la norme ASTM D4985 ou ASTM D5345.

NOTA:

A utiliser uniquement avec du liquide de refroidissement pour moteurs diesel et non avec le liquide de refroidissement longue durée.

PIÈCES NÉCESSAIRES:

Contenance du circuit de refroidissement		Additif liquide au remplissage initial	Additif liquide aux intervalles d'entretien*	Elément d'additif à visser aux intervalles d'entretien*
Litres	Gallons U.S.			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

** L'intervalle d'entretien normal est de 250 heures-service. Voir le Guide d'utilisation et d'entretien pour de plus amples renseignements concernant l'entretien du circuit de refroidissement.*

( ) Indique la quantité exigée.

ADITIVOS DE REFRIGERANTE SUPLEMENTARIOS

VENTAJAS PARA EL USUARIO:

Protegen contra la cavitación, la formación de espuma, la corrosión y la acumulación de escamas en los sistemas de enfriamiento.

- Suministra un acondicionador dosificado de refrigerante.

DESCRIPCIÓN:

Los aditivos en el refrigerante se agotan con la operación normal. Por esta razón, se debe agregar Aditivo de refrigerante suplementario (SCA) a todos los refrigerantes para servicio pesado, a intervalos regulares. Además, cuando no se usa un anticongelante de precarga completo, tal como el DEAC de Caterpillar, es necesario agregar una cantidad de aditivo de refrigerante suplementario inicial al sistema de enfriamiento. La cantidad de aditivo que se debe agregar depende de la capacidad del sistema.

El SCA de llenado inicial es líquido. El que se usa para el mantenimiento está disponible tanto en líquido como en un elemento enroscable. (No hay elemento enroscable disponible para la Familia de Motores 3600).

NOTA:

La cantidad de aditivo de llenado inicial no es la misma que se agrega en los intervalos de mantenimiento.

Los elementos de aditivo de refrigerante se pueden usar con cualquier anticongelante de tipo glicol etilénico o propílico que esté de acuerdo con las especificaciones de las normas ASTM D4985 o ASTM D5345.

NOTA:

Se debe utilizar únicamente con refrigerante estándar para servicio pesado; no se debe usar con Refrigerante de Larga Duración.

PIEZAS NECESARIAS:

Capacidad del Sistema de Enfriamiento		SCA líquido de llenado inicial	SCA líquido de mantenimiento*	Elemento de mantenimiento enroscable*
litros	gal EE.UU.			
22-30	6-8	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	8-10	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	10-13	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	13-17	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	17-22	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	22-30	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	30-43	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	43-64	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

** El período normal de mantenimiento es de 250 horas. Para ver las instrucciones completas sobre el mantenimiento del refrigerante, consulte el Manual de Operación y Mantenimiento.*

( ) Indica la cantidad necesaria.

ADITIVOS SUPLEMENTARES DO LÍQUIDO ARREFECEDOR

BENEFÍCIOS PARA O CLIENTE:

Protege contra cavitação, espuma, erosão, corrosão e acúmulo de crostas nos sistemas de arrefecimento.

- Fornece uma quantidade pré-determinada de condicionador de arrefecimento.

DESCRIÇÃO:

Com a operação normal, os aditivos se esgotam do líquido arrefecedor. Por isso, Aditivos Suplementares do Líquido Arrefecedor (SCA) devem ser acrescentados a todos os líquidos arrefecedores para serviço pesado em intervalos regulares. Além disso, quando um anticongelante pré-carregado, totalmente formulado não for usado, como o DEAC Caterpillar, uma carga inicial de SCA deve ser acrescentada ao sistema de arrefecimento. A quantidade de SCA acrescentada ao sistema depende da capacidade do sistema.

O SCA para abastecimento inicial é fornecido em forma de líquido. Os aditivos suplementares (SCA) para intervalos de manutenção estão à disposição em forma líquida e como um elemento com roscas. (Exceto os Motores da Família 3600)

NOTA:

A quantidade de SCA adicionada no abastecimento inicial não é a mesma que a acrescentada nos intervalos de manutenção.

Os elementos do aditivo do líquido arrefecedor podem ser usados com qualquer tipo de anticongelante etileno ou propileno que satisfaz as Especificações ASTM D4985 ou ASTM D5345.

NOTA:

Para uso apenas com líquido arrefecedor para serviço pesado padrão, não deve ser usado com Líquido Arrefecedor de Vida Longa.

PEÇAS NECESSÁRIAS:

Capacidade do Sistema de Arrefecimento		Líquido SCA Durante Abastecimento Inicial	Líquido SCA Durante Manutenção*	Elemento de Manutenção de SCA com Roscas*
Litros	Galões			
22-30	6-8	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	8-10	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	10-13	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	13-17	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	17-22	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	22-30	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	30-43	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	43-64	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

** O período normal de manutenção é de 250 horas. Consulte o Manual de Operação e Manutenção para obter instruções completas quanto à manutenção do líquido arrefecedor.*

( ) Indica a quantidade exigida.

KÜHLMITTELZUSATZ

VORTEILE FÜR DEN KUNDEN:

Schutz gegen Kavitation, Schaumbildung, Erosion, Korrosion und Kesselsteinbildung in Kühlsystemen.

- Richtig dosierter Kühlmittelzusatz

BESCHREIBUNG:

Additive erschöpfen sich während des Motorbetriebs. Deshalb muß allen HD-Kühlmitteln regelmäßig Kühlmittelzusatz beigefügt werden. Wenn bei Erstfüllung kein vollwertiges Fertigkühlmittel, wie das Frostschutz- und Kühlmittel für Dieselmotoren von Caterpiller (DEAC), verwendet wird, muß bei Erstfüllung Kühlmittelzusatz beigefügt werden. Wieviel Kühlmittelzusatz beigefügt werden muß, hängt vom Inhalt des Kühlsystems ab.

Für Erstfüllung ist Kühlmittelzusatz nur in flüssiger Form erhältlich. Für Wartungsintervalle ist Kühlmittelzusatz in flüssiger Form und als Zusatzelement erhältlich. (Für die Motorbaureihe 3600 sind keine Zusatzelemente erhältlich.)

ANMERKUNG:

Die Kühlmittelmenge bei Erstfüllung ist nicht die gleiche Menge, die bei Wartungsintervallen beigefügt werden muß.

Die Kühlmittelzusatzelemente können mit allen Frostschutzmitteln auf Ethylen- oder Propylenglykolbasis verwendet werden, die den Standards nach ASTM D4985 oder ASTM D5345 entsprechen.

ANMERKUNG:

Den Kühlmittelzusatz nicht mit Langzeitkühlmittel (ELC) von Caterpillar verwenden. Der Kühlmittelzusatz ist nur für HD-Kühlmittel bestimmt.

TEILEBEZEICHNUNG:

Kühlsysteminhalt		Kühlmittelzusatz bei Erstfüllung	Flüssiger Kühlmittelzusatz bei Wartung*	Kühlmittelzusatzelement bei Wartung*
Liter	US-Gall.			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

** Der normale Wartungsintervall beträgt 250 Betriebsstunden. Für vollständige Anweisungen zur Wartung des Kühlsystems, siehe Betriebs- und Wartungshandbuch.*

( ) Erforderliche Anzahl

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
AIR INLET AND EXHAUST SYSTEM				
CAP AS-RAIN (EXHAUST FITTING)	7S-4411	1	FITTING GP-EXHAUST	164
	125-5700	1	FITTING GP-EXHAUST	165
CAP AS-RAIN (MUFFLER)	7S-5003	1	MUFFLER GP	189
		1	MUFFLER GP	190
ELEMENT AS-PRIMARY	6I-2507	1	AIR CLEANER GP	149
	7C-1572	1	AIR CLEANER GP	152
ELEMENT AS-SECONDARY	6I-2508	1	AIR CLEANER GP	149
FILTER-AIR	4N-0015	1	AIR CLEANER GP	148
INDICATOR-AIR FILTER SERVICE	7S-0687	1	AIR CLEANER GP	150
		1	AIR CLEANER GP	151
	8N-2694	1	AIR CLEANER GP	147
BASIC ENGINE				
FITTING-GREASE (FAN DRIVE)	2D-4867	1	DRIVE GP-FAN	44
	4B-4550	1	DRIVE GP-FAN	40
		1	DRIVE GP-FAN	42
FITTING-GREASE (1/8-27 THD) (FAN DRIVE)	2D-4867	1	DRIVE GP-FAN	40
		1	DRIVE GP-FAN	42
FITTING-PRESSURE RELIEF (FAN DRIVE)	4B-4550	1	DRIVE GP-FAN	44
PLUG-DRAIN (FLYWHEEL HOUSING)	5F-0304	2	HOUSING GP-FLYWHEEL	56
PLUG-DRAIN (OIL PAN)	9X-6451	1	PAN GP-OIL	67
	206-7331	1	PAN GP-OIL	66
V-BELT (ALTERNATOR)	4N-8216	1	MOUNTING GP-ALTERNATOR	61
		1	MOUNTING GP-ALTERNATOR	63
V-BELT SET (INCLUDES 2 BELTS) (FAN DRIVE)	4N-8217	1	DRIVE GP-FAN	42
V-BELT SET (INCLUDES 3 BELTS) (FAN DRIVE)	6N-6656	1	DRIVE GP-FAN	44
	6N-6652	1	DRIVE GP-FAN	40
COOLING SYSTEM				
CAP-PRESSURE VALVE (7 PSI) (RADIATOR)	4N-3311	1	RADIATOR GP	124
		1	RADIATOR GP	137
CAP-RADIATOR	6L-8617	1	RADIATOR GP	132
		1	TANK GP-EXPANSION	139
CAP-RADIATOR (7 PSI)	4N-3311	1	RADIATOR GP	134
FILTER-WATER PUMP	136-3742	1	PUMP GP-WATER	122
GASKET-REGULATOR COVER	4N-1156	1	LINES GP-WATER	111
GASKET-REGULATOR COVER (EXPANSION TANK)	4N-1156	1	TANK GP-EXPANSION	139
PLUG-DRAIN (HEAT EXCHANGER)	5B-9169	5	HEAT EXCHANGER GP-SEA WATER	101
		5	HEAT EXCHANGER GP-SEA WATER	103
REGULATOR-WATER TEMPERATURE (92 DEG C.)	4W-4794	1	LINES GP-WATER	111
REGULATOR-WATER TEMPERATURE (92 DEG C.) (EXPANSION TANK)	4W-4794	2	TANK GP-EXPANSION	139

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
ELECTRICAL AND STARTING SYSTEM				
BATTERY GP (12 VOLT)	9X-9720	2	BATTERY GP	304
BATTERY (MAINTENANCE FREE) (12 VOLT)	115-2421	2	BATTERY GP	306
BATTERY (12 VOLT)	9X-9730	2	BATTERY GP	305
BRUSH AS (ALTERNATOR)	6T-2031	1	ALTERNATOR GP-CHARGING	298
CIRCUIT BREAKER AS (10 AMP) (LOGIC CIRCUIT)	6T-3642	1	BOX GP-JUNCTION	309
		1	BOX GP-JUNCTION	312
CIRCUIT BREAKER AS (12.5 AMP)	1N-9770	1	BOX GP-JUNCTION	314
CIRCUIT BREAKER GP (20 AMP) (FUEL SHUTOFF SOLENOID)	6T-3644	1	BOX GP-JUNCTION	309
		1	BOX GP-JUNCTION	312
CIRCUIT BREAKER (320-400 AMPERE, ADJ TRIP)	143-5853	1	CIRCUIT BREAKER GP	346
CIRCUIT BREAKER (500-630 AMP)(ADJ TRIP)	143-7610	1	CIRCUIT BREAKER GP	347
CIRCUIT BREAKER (60 AMP)	6T-3645	1	BOX GP-JUNCTION	314
		1	MOUNTING GP-CIRCUIT BREAKER	385
FUSE (1 AMP)	8K-4644	10	MODULE GP-INTERFACE	384
FUSE (10 AMP)	3K-8782	1	CONTROL GP-SOLENOID	363
		1	SHUTOFF GP-ELECTRICAL	417
FUSE (12 AMP)	5N-0610	1	CONTROL GP-MANUAL VOLTAGE	362
FUSE (20 AMP)	8M-0456	1	SHUTOFF GP-ELECTRICAL	417
HOLDER AS-BRUSH (STARTING MOTOR)	7T-3278	1	STARTING MOTOR GP-ELECTRIC	425
		1	STARTING MOTOR GP-ELECTRIC	427
HOLDER AS (STARTING MOTOR)	3E-0137	1	STARTING MOTOR GP-ELECTRIC	422
FUEL SYSTEM				
CAP AS-FUEL TANK	7T-2036	1	TANK & BASE GP-FUEL	282
ELEMENT AS-FUEL FILTER (PRIMARY)	9M-2342	1	FILTER GP-FUEL	235
ELEMENT AS (FUEL/WATER SEPARATOR)	8N-0205	1	SEPARATOR GP-WATER	279
FILTER AS-FUEL (HIGH EFFICIENCY)	1R-0749	1	FILTER GP-FUEL	234
FILTER (FUEL CAP)	4B-1663	1	TANK & BASE GP-FUEL	282
	4B-5949	1	TANK & BASE GP-FUEL	282
FUSE (0.75 AMP)	7T-0037	1	GOVERNOR AS-ELECTRONIC	240
FUSE (10 AMP)	3K-8782	1	GOVERNOR AS-ELECTRONIC	241
FUSE (2 AMP)	8D-8724	1	GOVERNOR AS	239
FUSE (20 AMP)	8M-0456	1	CONTROL GP-FUEL	213
GASKET (FUEL PRIMING PUMP)	1P-0436	1	PUMP GP-FUEL PRIMING	270
SCREEN AS (GOV & FUEL INJ PUMP)	8N-6680	1	PUMP GP-GOV & FUEL INJ	275

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
GENERATORS				
FUSE-CERAMIC (10 AMP)	9Y-6027	2	GENERATOR GP	573
		2	GENERATOR GP	577
		2	GENERATOR GP	581
		2	GENERATOR GP	585
		2	GENERATOR GP	589
		2	GENERATOR GP	593
		2	GENERATOR GP	597
		2	GENERATOR GP	601
		2	GENERATOR GP	605
		2	GENERATOR GP	609
		2	GENERATOR GP	613
		2	GENERATOR GP	617
FUSE (12 AMP)	9Y-8419	2	REGULATOR AS-VOLTAGE	623
		2	REGULATOR GP-VOLTAGE	624
		2	REGULATOR GP-VOLTAGE	632
FUSE (12 AMPERE)	9Y-8419	2	REGULATOR AS-VOLTAGE	622
LUBRICATION SYSTEM				
BREATHER AS (CRANKCASE)	9Y-2988	1	BREATHER GP	78
CAP AS-FILLER (ENGINE OIL)	6N-2985	1	FILLER GP-ENGINE OIL	80
CAP-DUST (ENGINE OIL FILTER)	8C-3445	1	BASE GP-OIL FILTER	76
FILLER AS (ENGINE OIL)	6N-1015	1	FILLER GP-ENGINE OIL	80
FILTER AS-ENGINE OIL	1R-0716	1	FILTER GP-ENGINE OIL	81
SCREEN AS-BELL (ENGINE OIL)	4N-0913	1	LINES GP-ENGINE OIL	88

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
OPERATOR STATION				
BATTERY (LITHIUM) (3 VOLT)	101-1785	1	MODULE GP-SYSTEM COMMUNICATION	493
CIRCUIT BREAKER AS (12.5 AMP)	1N-9770	1	PANEL GP-CONTROL	497
		1	PANEL GP-ELECTRONIC	508
		1	PANEL GP-CONTROL	500
		1	PANEL GP-CONTROL	502
		1	PANEL GP-CONTROL	504
FUSE (1 AMP)	8K-4644	10	CONTROL GP-EMCP ELECTRONIC	468
FUSE (10 AMP)	3K-8782	16	PANEL GP-CONTROL	498
		16	PANEL GP-CONTROL	500
		16	PANEL GP-CONTROL	502
		16	PANEL GP-CONTROL	504
		20	PANEL GP-ELECTRONIC	508
FUSE (2 AMP)	7W-0482	3	PANEL GP-CONTROL	498
		3	PANEL GP-CONTROL	500
		3	PANEL GP-CONTROL	502
		3	PANEL GP-CONTROL	505
		3	PANEL GP-ELECTRONIC	508
LAMP AS (GREEN)	5N-5501	1	PANEL GP-INSTRUMENT	518
LAMP AS (RED)	5N-5499	1	PANEL GP-INSTRUMENT	518
LAMP AS (120 VOLT/3 WATT)	7G-9730	2	PANEL GP-CONTROL	498
		2	PANEL GP-CONTROL	500
		2	PANEL GP-CONTROL	503
		2	PANEL GP-CONTROL	505
LAMP AS (120 VOLT/3 WATT) (PANEL LIGHT)	7G-9730	2	PANEL GP-ELECTRONIC	508
LAMP AS (3 WATT) (CLEAR)	7G-9730	2	PANEL GP-ELECTRONIC	506
		2	PANEL GP-ELECTRONIC	512
LAMP (CLEAR)	3N-5719	2	PANEL GP-INSTRUMENT	518
LAMP (120 VOLT, 6 WATT)	5N-3615	2	MODULE GP-SYNCHRONIZING LIGHTS	485
LAMP (24 VOLT)	7N-5876	2	PANEL GP-ELECTRONIC	508
		2	PANEL GP-CONTROL	498
		2	PANEL GP-CONTROL	500
		2	PANEL GP-CONTROL	503
		2	PANEL GP-CONTROL	505
LAMP (24 VOLT) (CLEAR)	7N-5876	3	PANEL GP-ELECTRONIC	506
		3	PANEL GP-ELECTRONIC	512
LAMP (6 WATT)	5N-3615	2	MODULE GP-SYNCHRONIZING LIGHTS	484
LENS-LAMP (CLEAR)	4W-8754	2	MODULE GP-SYNCHRONIZING LIGHTS	484
		2	MODULE GP-SYNCHRONIZING LIGHTS	485

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
ALTERNATEURS				
FUSIBLE EN CÉRAMIQUE (10A)	9Y-6027	2	ALTERNATEUR (ASS)	573
		2	ALTERNATEUR (ASS)	577
		2	ALTERNATEUR (ASS)	581
		2	ALTERNATEUR (ASS)	585
		2	ALTERNATEUR (ASS)	589
		2	ALTERNATEUR (ASS)	593
		2	ALTERNATEUR (ASS)	597
		2	ALTERNATEUR (ASS)	601
		2	ALTERNATEUR (ASS)	605
		2	ALTERNATEUR (ASS)	609
		2	ALTERNATEUR (ASS)	613
		2	ALTERNATEUR (ASS)	617
FUSIBLE (12 A)	9Y-8419	2	REGULATEUR DE LA TENSION (ENS)	623
		2	RÉGULATEUR DE TENSION (ASS)	624
		2	RÉGULATEUR DE TENSION (ASS)	632
FUSIBLE (*12 AMPERE)	9Y-8419	2	REGULATEUR DE LA TENSION (ENS)	622
CIRCUIT DE CARBURANT				
BOUCHON DE RÉSERVOIR DE CARBURANT (ENS)	7T-2036	1	RESERVOIR DE CARBURANT ET SUPPORT (ASS)	282
ÉCRAN (ENS) (POMPE D'INJECTION DE CARBURANT ET RÉGULATEUR)	8N-6680	1	RÉGULATEUR ET POMPE D'INJECTION DE CARBURANT (ASS)	275
ÉLÉMENT DE FILTRE À CARBURANT (ENS) (PRINCIPAL)	9M-2342	1	FILTRE A CARBURANT (ASS)	235
ELEMENT (ENS) (CARBURANT/SÉPARATEUR D'EAU)	8N-0205	1	SÉPARATEUR D'EAU (ASS)	279
FILTRE A CARBURANT (ENS) (GRANDE EFFICACITÉ)	1R-0749	1	FILTRE A CARBURANT (ASS)	234
FILTRE (BOUCHON DE CARBURANT)	4B-1663	1	RESERVOIR DE CARBURANT ET SUPPORT (ASS)	282
	4B-5949	1	RESERVOIR DE CARBURANT ET SUPPORT (ASS)	282
FUSIBLE (0,75A)	7T-0037	1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	240
FUSIBLE (10A)	3K-8782	1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	241
FUSIBLE (2 A)	8D-8724	1	REGULATEUR (ENS)	239
FUSIBLE (20 A)	8M-0456	1	COMMANDE DE CARBURANT (ASS)	213
JOINT PLAT (POMPE D'AMORÇAGE DE CARBURANT)	1P-0436	1	POMPE D'AMORÇAGE DE CARBURANT (ASS)	270

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
CIRCUIT DE GRAISSAGE				
BOUCHON DE GOULOTTE DE REMPLISSAGE (ENS) (HUILE MOTEUR)	6N-2985	1	BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS)	80
FILTRE A HUILE MOTEUR (ENS)	1R-0716	1	FILTRE À HUILE MOTEUR (ASS)	81
GOULOTTE DE REMPLISSAGE (ENS) (HUILE MOTEUR)	6N-1015	1	BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS)	80
PARE-POUSSIERE (FILTRE A HUILE MOTEUR)	8C-3445	1	SUPPORT DE FILTRE À HUILE (ASS)	76
RENIFLARD (ENS) (CARTER)	9Y-2988	1	RENIFLARD (ASS)	78
TAMIS DE CLOCHE (ENS) (HUILE MOTEUR)	4N-0913	1	CANALISATIONS D'HUILE MOTEUR (ASS)	88
CIRCUIT DE REFROIDISSEMENT				
BOUCHON DE VIDANGE (ÉCHANGEUR THERMIQUE)	5B-9169	5	ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	101
		5	ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	103
CHAPEAU - LIMITEUR DE PRESSION (7PSI) (RADIATEUR)	4N-3311	1	RADIATEUR (ASS)	124
		1	RADIATEUR (ASS)	137
CHAPEAU - RADIATEUR	6L-8617	1	RADIATEUR (ASS)	132
		1	RESERVOIR D'EXPANSION (ASS)	139
CHAPEAU - RADIATEUR (7PSI)	4N-3311	1	RADIATEUR (ASS)	134
FILTRE DE POMPE À EAU	136-3742	1	POMPE A EAU (ASS)	122
JOINT DE COUVERCLE DE RÉGULATEUR	4N-1156	1	CANALISATIONS D'EAU (ASS)	111
JOINT DE COUVERCLE DE RÉGULATEUR (RÉSERVOIR D'EXPANSION)	4N-1156	1	RESERVOIR D'EXPANSION (ASS)	139
THERMOSTAT-TEMPÉRATURE D'EAU (92 DEGRÉS C)	4W-4794	1	CANALISATIONS D'EAU (ASS)	111
THERMOSTAT-TEMPÉRATURE D'EAU (92 DEGRÉS C) (RÉSERVOIR D'EXPANSION)	4W-4794	2	RESERVOIR D'EXPANSION (ASS)	139

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
CIRCUIT ELECTRIQUE ET DE DEMARRAGE				
BATTERIE (ASS) (12 VOLTS)	9X-9720	2	BATTERIE (ASS)	304
BATTERIE (SANS ENTRETIEN) (12 VOLTS)	115-2421	2	BATTERIE (ASS)	306
BATTERIE (12 VOLTS)	9X-9730	2	BATTERIE (ASS)	305
BROSSE (ENS) (ALTERNATEUR)	6T-2031	1	ALTERNATEUR DE CHARGE (ASS)	298
DISJONCTEUR (ASS) (20 A) (SOLÉNOÏDE DE COUPURE D'ALIMENTATION)	6T-3644	1	COFFRE DE BRANCHEMENT	309
		1	COFFRE DE BRANCHEMENT	312
DISJONCTEUR (ENS) (10A) (CIRCUIT LOGIQUE)	6T-3642	1	COFFRE DE BRANCHEMENT	309
		1	COFFRE DE BRANCHEMENT	312
DISJONCTEUR (ENS) (12,5 A)	1N-9770	1	COFFRE DE BRANCHEMENT	314
DISJONCTEUR (*320-400 AMPERE, ADJ TRIP)	143-5853	1	DISJONCTEUR (ASS)	346
DISJONCTEUR (*500-630 AMP)(ADJ TRIP)	143-7610	1	DISJONCTEUR (ASS)	347
DISJONCTEUR (60A)	6T-3645	1	COFFRE DE BRANCHEMENT	314
		1	MONTAGE DE DISJONCTEUR (ASS)	385
FUSIBLE (1 A)	8K-4644	10	MODULE-INTERFACE (ASS)	384
FUSIBLE (10A)	3K-8782	1	ARRÊT ÉLECTRIQUE	417
		1	COMMANDE DE SOLÉNOÏDE (ASS)	363
FUSIBLE (12A)	5N-0610	1	COMMANDE - TENSION MANUELLE (ASS)	362
FUSIBLE (20 A)	8M-0456	1	ARRÊT ÉLECTRIQUE	417
PORTE-BALAIS (ENS) (DÉMARREUR)	7T-3278	1	DÉMARREUR ÉLECTRIQUE (ASS)	425
		1	DÉMARREUR ÉLECTRIQUE (ASS)	427
SUPPORT (ENS) (DÉMARREUR)	3E-0137	1	DÉMARREUR ÉLECTRIQUE (ASS)	422

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
MOTEUR				
BOUCHON DE VIDANGE (CARTER DE VOLANT)	5F-0304	2	CARTER DE VOLANT (ASS)	56
BOUCHON DE VIDANGE (CARTER D'HUILE)	9X-6451	1	HUILE MOTEUR - CARTER (ASS)	67
	206-7331	1	HUILE MOTEUR - CARTER (ASS)	66
COURROIE TRAPEZOIDALE (ALTERNATEUR)	4N-8216	1	MONTAGE D'ALTERNATEUR (ASS)	61
		1	MONTAGE D'ALTERNATEUR (ASS)	63
GRAISSEUR (ENTRAÎNEMENT DE VENTILATEUR)	2D-4867	1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	44
	4B-4550	1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	40
		1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	42
		1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	44
GRAISSEUR (FILET 1/8-27) (ENTRAÎNEMENT DE VENTILATEUR)	2D-4867	1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	40
		1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	42
JEU DE COURROIES TRAPEZOIDALES (COMPREND 2 COURROIES) (ENTRAÎNEMENT DE VENTILATEUR)	4N-8217	1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	42
JEU DE COURROIES TRAPEZOIDALES (COMPREND 3 COURROIES) (ENTRAÎNEMENT DE VENTILATEUR)	6N-6652	1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	40
	6N-6656	1	ENTRAÎNEMENT DE VENTILATEUR (ASS)	44

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
POSTE DE CONDUITE				
AMPOULE (TRANSPARENT)	3N-5719	2	TABLEAU DE BORD (ASS)	518
AMPOULE (*120 VOLT, 6 WATT)	5N-3615	2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	485
AMPOULE (24 VOLTS)	7N-5876	2	TABLEAU ÉLECTRONIQUE (ASS)	508
		2	PANNEAU DE COMMANDE (ASS)	498
		2	PANNEAU DE COMMANDE (ASS)	500
		2	PANNEAU DE COMMANDE (ASS)	503
		2	PANNEAU DE COMMANDE (ASS)	505
AMPOULE (24 VOLTS) (EFFACEMENT)	7N-5876	3	TABLEAU ÉLECTRONIQUE (ASS)	506
		3	TABLEAU ÉLECTRONIQUE (ASS)	512
AMPOULE (6 WATTS)	5N-3615	2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	484
BATTERIE (LITHIUM) (3 VOLTS)	101-1785	1	MODULE - SYSTÈME DE COMMUNICATION (ASS)	493
DISJONCTEUR (ENS) (12,5 A)	1N-9770	1	PANNEAU DE COMMANDE (ASS)	497
		1	TABLEAU ÉLECTRONIQUE (ASS)	508
		1	PANNEAU DE COMMANDE (ASS)	500
		1	PANNEAU DE COMMANDE (ASS)	502
		1	PANNEAU DE COMMANDE (ASS)	504
FUSIBLE (1 A)	8K-4644	10	COMMANDE D'ELECTROMODULE DE SURVEILLANCE (ASS)	468
FUSIBLE (10A)	3K-8782	16	PANNEAU DE COMMANDE (ASS)	498
		16	PANNEAU DE COMMANDE (ASS)	500
		16	PANNEAU DE COMMANDE (ASS)	502
		16	PANNEAU DE COMMANDE (ASS)	504
		20	TABLEAU ÉLECTRONIQUE (ASS)	508
FUSIBLE (2 A)	7W-0482	3	TABLEAU ÉLECTRONIQUE (ASS)	508
		3	PANNEAU DE COMMANDE (ASS)	498
		3	PANNEAU DE COMMANDE (ASS)	500
		3	PANNEAU DE COMMANDE (ASS)	502
		3	PANNEAU DE COMMANDE (ASS)	505
LAMPE (ENS) (ROUGE)	5N-5499	1	TABLEAU DE BORD (ASS)	518
LAMPE (ENS) (VERT)	5N-5501	1	TABLEAU DE BORD (ASS)	518
LAMPE (ENS) (120 VOLTS/3 WATTS)	7G-9730	2	PANNEAU DE COMMANDE (ASS)	498
		2	PANNEAU DE COMMANDE (ASS)	500
		2	PANNEAU DE COMMANDE (ASS)	503
		2	PANNEAU DE COMMANDE (ASS)	505
LAMPE (ENS) (120 VOLTS/3 WATTS) (TÉMOIN DU PANNEAU)	7G-9730	2	TABLEAU ÉLECTRONIQUE (ASS)	508
LAMPE (ENS) (3 WATTS) (EFFACEMENT)	7G-9730	2	TABLEAU ÉLECTRONIQUE (ASS)	512
		2	TABLEAU ÉLECTRONIQUE (ASS)	506
LENTILLE DE LAMPE (TRANSPARENT)	4W-8754	2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	484
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	485

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
SYSTEME D'ECHAPPEMENT ET D'ADMISSION D'AIR				
DÉFLECTEUR DE PLUIE (ENS) (RACCORD D'ÉCHAPPEMENT)	7S-4411	1	RACCORD D'ÉCHAPPEMENT (ASS)	164
	125-5700	1	RACCORD D'ÉCHAPPEMENT (ASS)	165
DÉFLECTEUR DE PLUIE (ENS) (SILENCIEUX)	7S-5003	1	SILENCIEUX (ASS)	189
		1	SILENCIEUX (ASS)	190
ÉLÉMENT PRINCIPAL (ENS)	6I-2507	1	FILTRE A AIR (ASS)	149
	7C-1572	1	FILTRE A AIR (ASS)	152
ÉLÉMENT SECONDAIRE (ENS)	6I-2508	1	FILTRE A AIR (ASS)	149
FILTRE À AIR	4N-0015	1	FILTRE A AIR (ASS)	148
INDICATEUR DE COLMATAGE DE FILTRE A AIR	7S-0687	1	FILTRE A AIR (ASS)	150
		1	FILTRE A AIR (ASS)	151
	8N-2694	1	FILTRE A AIR (ASS)	147

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PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
GENERADOR				
FUSIBLE DE CERAMICO (10 A)	9Y-6027	2	GENERADOR (GR)	573
		2	GENERADOR (GR)	577
		2	GENERADOR (GR)	581
		2	GENERADOR (GR)	585
		2	GENERADOR (GR)	589
		2	GENERADOR (GR)	593
		2	GENERADOR (GR)	597
		2	GENERADOR (GR)	601
		2	GENERADOR (GR)	605
		2	GENERADOR (GR)	609
		2	GENERADOR (GR)	613
		2	GENERADOR (GR)	617
FUSIBLE (12 AMPERIOS)	9Y-8419	2	REGULADOR DE VOLTAJE	622
		2	REGULADOR DE VOLTAJE	623
		2	REGULADOR DE VOLTAJE (GR)	624
		2	REGULADOR DE VOLTAJE (GR)	632
MOTOR BÁSICO				
CONEXIÓN-ALIVIO (MANDO DE VENTILADOR)	4B-4550	1	IMPULSOR DE VENTILADOR (GR)	44
CONEXIÓN DE ENGRASE (MANDO DE VENTILADOR)	2D-4867	1	IMPULSOR DE VENTILADOR (GR)	44
	4B-4550	1	IMPULSOR DE VENTILADOR (GR)	40
		1	IMPULSOR DE VENTILADOR (GR)	42
CONEXIÓN DE ENGRASE (ROSCA DE 1/8-27) (MANDO DE VENTILADOR)	2D-4867	1	IMPULSOR DE VENTILADOR (GR)	40
		1	IMPULSOR DE VENTILADOR (GR)	42
CORREA TRAPEZOIDAL (ALTERNADOR)	4N-8216	1	MONTAJE DEL ALTERNADOR (GR)	61
		1	MONTAJE DEL ALTERNADOR (GR)	63
JUEGO DE CORREAS TRAPEZOIDALES (INCLUYE 2 CORREAS) (MANDO DE VENTILADOR)	4N-8217	1	IMPULSOR DE VENTILADOR (GR)	42
JUEGO DE CORREAS TRAPEZOIDALES (INCLUYE 3 CORREAS) (MANDO DE VENTILADOR)	6N-6652	1	IMPULSOR DE VENTILADOR (GR)	40
	6N-6656	1	IMPULSOR DE VENTILADOR (GR)	44
TAPÓN DE DRENAJE (CAJA DEL VOLANTE)	5F-0304	2	VOLANTE - CAJA DE (GR)	56
TAPÓN DE DRENAJE (COLECTOR DE ACEITE)	9X-6451	1	CÁRTER - COLECTOR DEL (GR)	67
	206-7331	1	CÁRTER - COLECTOR DEL (GR)	66

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
PUESTO DEL OPERADOR				
BATERÍA (LITIO) (3 VOLTIOS)	101-1785	1	MODULO DEL SISTEMA DE COMUNICACION (GR)	493
DISYUNTOR (CONJ) (12,5 AMP)	1N-9770	1	TABLERO ELECTRÓNICO (GR)	508
		1	PANEL DE CONTROL (GR)	500
		1	PANEL DE CONTROL (GR)	502
		1	PANEL DE CONTROL (GR)	504
		1	PANEL DE CONTROL (GR)	497
FUSIBLE (1 AMP.)	8K-4644	10	CONTROL ELECTRÓNICO DEL EMCP (GR)	468
FUSIBLE (10 A)	3K-8782	16	PANEL DE CONTROL (GR)	498
		16	PANEL DE CONTROL (GR)	500
		16	PANEL DE CONTROL (GR)	502
		16	PANEL DE CONTROL (GR)	504
		20	TABLERO ELECTRÓNICO (GR)	508
FUSIBLE (2 A)	7W-0482	3	PANEL DE CONTROL (GR)	498
		3	PANEL DE CONTROL (GR)	500
		3	PANEL DE CONTROL (GR)	502
		3	PANEL DE CONTROL (GR)	505
		3	TABLERO ELECTRÓNICO (GR)	508
LÁMPARA (CONJ) (ROJO)	5N-5499	1	TABLERO DE INSTRUMENTOS (GR)	518
LÁMPARA (CONJ) (VERDE)	5N-5501	1	TABLERO DE INSTRUMENTOS (GR)	518
LÁMPARA (CONJ) (120 VOLTIOS/3 VATIOS)	7G-9730	2	PANEL DE CONTROL (GR)	498
		2	PANEL DE CONTROL (GR)	500
		2	PANEL DE CONTROL (GR)	503
		2	PANEL DE CONTROL (GR)	505
LÁMPARA (CONJ) (120 VOLTIOS/3 VATIOS) (LUCES DE TABLERO)	7G-9730	2	TABLERO ELECTRÓNICO (GR)	508
LÁMPARA (CONJ) (3 VATIOS) (SERVICIO)	7G-9730	2	TABLERO ELECTRÓNICO (GR)	506
		2	TABLERO ELECTRÓNICO (GR)	512
LÁMPARA (TRANSPARENTE)	3N-5719	2	TABLERO DE INSTRUMENTOS (GR)	518
LÁMPARA (120 VOLTIOS, 6 VATIOS)	5N-3615	2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	485
LÁMPARA (24 VOLTIOS)	7N-5876	2	TABLERO ELECTRÓNICO (GR)	508
		2	PANEL DE CONTROL (GR)	498
		2	PANEL DE CONTROL (GR)	500
		2	PANEL DE CONTROL (GR)	503
		2	PANEL DE CONTROL (GR)	505
LÁMPARA (24 VOLTIOS) (SERVICIO)	7N-5876	3	TABLERO ELECTRÓNICO (GR)	506
		3	TABLERO ELECTRÓNICO (GR)	512
LÁMPARA (6 VATIOS)	5N-3615	2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	484
VIDRIO DE LA LÁMPARA (TRANSPARENTE)	4W-8754	2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	484
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	485

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA DE ADMISION DE AIRE Y ESCAPE				
ELEMENTO PRIMARIO (CONJ)	6I-2507	1	FILTRO DE AIRE (GR)	149
	7C-1572	1	FILTRO DE AIRE (GR)	152
ELEMENTO SECUNDARIO (CONJ)	6I-2508	1	FILTRO DE AIRE (GR)	149
FILTRO DE AIRE	4N-0015	1	FILTRO DE AIRE (GR)	148
INDICADOR DE SERVICIO DEL FILTRO DE AIRE	7S-0687	1	FILTRO DE AIRE (GR)	150
		1	FILTRO DE AIRE (GR)	151
	8N-2694	1	FILTRO DE AIRE (GR)	147
TAPA CONTRA LA LLUVIA (CONJ) (CONEXIÓN DE ESCAPE)	7S-4411	1	CONEXIÓN DE ESCAPE (GR)	164
	125-5700	1	CONEXIÓN DE ESCAPE (GR)	165
TAPA CONTRA LA LLUVIA (CONJ) (SILENCIADOR)	7S-5003	1	SILENCIADOR (GR)	189
		1	SILENCIADOR (GR)	190
SISTEMA DE COMBUSTIBLE				
ELEMENTO (CONJ) (SEPARADOR DE COMBUSTIBLE/AGUA)	8N-0205	1	SEPARADOR DE AGUA (GR)	279
ELEMENTO DEL FILTRO DE COMBUSTIBLE (PRIMARIO)	9M-2342	1	FILTRO DE COMBUSTIBLE (GR)	235
EMPAQUETADURA (BOMBA DE CEBADO DE COMBUSTIBLE)	1P-0436	1	BOMBA DE CEBADO DE COMBUSTIBLE (GR)	270
FILTRO DE COMBUSTIBLE (CONJ) (ALTA EFICIENCIA)	1R-0749	1	FILTRO DE COMBUSTIBLE (GR)	234
FILTRO (TAPA DE TANQUE DE COMB.)	4B-1663	1	TANQUE DE COMBUSTIBLE Y BASE (GR)	282
	4B-5949	1	TANQUE DE COMBUSTIBLE Y BASE (GR)	282
FUSIBLE (0,75 AMPERIOS)	7T-0037	1	REGULADOR ELECTRÓNICO (CONJ)	240
FUSIBLE (10 A)	3K-8782	1	REGULADOR ELECTRÓNICO (CONJ)	241
FUSIBLE (2 A)	8D-8724	1	REGULADOR (CONJ)	239
FUSIBLE (20 A)	8M-0456	1	CONTROL DE COMBUSTIBLE	213
PANTALLA (CONJ) (BOMBA DE MANDO E INYECCIÓN DE COMBUSTIBLE)	8N-6680	1	REGULADOR Y BOMBA DE INYECCIÓN DE COMBUSTIBLE (GR)	275
TAPA DEL TANQUE DE COMBUSTIBLE (CONJ)	7T-2036	1	TANQUE DE COMBUSTIBLE Y BASE (GR)	282

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA DE ENFRIAMIENTO				
EMPAQUETADURA, TAPA DE REGULADOR	4N-1156	1	TUBERÍAS DEL AGUA (GR)	111
EMPAQUETADURA, TAPA DE REGULADOR (TANQUE DE EXPANSION)	4N-1156	1	TANQUE DE EXPANSIÓN (GR)	139
FILTRO DE LA BOMBA DE AGUA	136-3742	1	BOMBA DE AGUA (GR)	122
REGULADOR DE TEMPERATURA DEL AGUA (92 GR C)	4W-4794	1	TUBERÍAS DEL AGUA (GR)	111
REGULADOR DE TEMPERATURA DEL AGUA (92 GR C) (TANQUE DE EXPANSION)	4W-4794	2	TANQUE DE EXPANSIÓN (GR)	139
TAPA DE VALVULA DE PRESIÓN (7 LIBRAS POR PULGADA CUADRADA) (RADIADOR)	4N-3311	1	RADIADOR (GR)	124
		1	RADIADOR (GR)	137
TAPA DEL RADIADOR	6L-8617	1	RADIADOR (GR)	132
		1	TANQUE DE EXPANSIÓN (GR)	139
TAPA DEL RADIADOR (7 LIBRAS POR PULGADA CUADRADA)	4N-3311	1	RADIADOR (GR)	134
TAPÓN DE DRENAJE (INTERCAMBIADOR DE CALOR)	5B-9169	5	INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	101
		5	INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	103
SISTEMA DE LUBRICACIÓN				
FILTRO DE ACEITE DEL MOTOR (CONJ)	1R-0716	1	FILTRO DE ACEITE DEL MOTOR (GR)	81
LLENADOR (CONJ) (ACEITE DEL MOTOR)	6N-1015	1	TUBO DE LLENADO DE ACEITE (GR)	80
REJILLA ACAMPANADA (CONJ) (ACEITE DEL MOTOR)	4N-0913	1	TUBERÍAS DE ACEITE DEL MOTOR (GR)	88
RESPIRADERO (CONJ) (CÁRTER DEL MOTOR)	9Y-2988	1	RESPIRADERO (GR)	78
TAPA CONTRA EL POLVO (FILTRO DE ACEITE DEL MOTOR)	8C-3445	1	FILTRO DE ACEITE - BASE DEL (GR)	76
TAPA DE LLENADO (CONJ) (ACEITE DEL MOTOR)	6N-2985	1	TUBO DE LLENADO DE ACEITE (GR)	80

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA ELECTRICO Y DE ARRANQUE				
BATERÍA (GR) (12 VOLTIOS)	9X-9720	2	BATERÍA (GR)	304
BATERÍA (LIBRE DE MANTENIMIENTO) (12 V)	115-2421	2	BATERÍA (GR)	306
BATERÍA (12 VOLTIOS)	9X-9730	2	BATERÍA (GR)	305
DISYUNTOR (CONJ) (10 A) (CIRCUITO LÓGICO)	6T-3642	1	CAJA DE EMPALMES (GR)	309
		1	CAJA DE EMPALMES (GR)	312
DISYUNTOR (CONJ) (12,5 AMP)	1N-9770	1	CAJA DE EMPALMES (GR)	314
DISYUNTOR DE CIRCUITO (GR) (20 A) (SOLENOIDE DE DESCONEXIÓN DEL COMBUSTIBLE)	6T-3644	1	CAJA DE EMPALMES (GR)	309
		1	CAJA DE EMPALMES (GR)	312
DISYUNTOR (320-400 AMPERIOS, DISPARO AJUSTABLE)	143-5853	1	DISYUNTOR DE CIRCUITO (GR)	346
DISYUNTOR (500-630 AMPERIOS)(DISPARO AJUSTABLE)	143-7610	1	DISYUNTOR DE CIRCUITO (GR)	347
DISYUNTOR (60 AMP)	6T-3645	1	CAJA DE EMPALMES (GR)	314
		1	MONTAJE DEL DISYUNTOR (GR)	385
ESCOBILLA (CONJ) (ALTERNADOR)	6T-2031	1	CARGA - ALTERNADOR DE (GR)	298
FUSIBLE (1 AMP.)	8K-4644	10	MODULO DE INTERFAZ (GR)	384
FUSIBLE (10 A)	3K-8782	1	CONTROL GR-SOLENOIDE	363
		1	CORTE ELÉCTRICO (GR)	417
FUSIBLE (12 AMPERIOS)	5N-0610	1	CONTROL MANUAL DE VOLTAJE (GR)	362
FUSIBLE (20 A)	8M-0456	1	CORTE ELÉCTRICO (GR)	417
PORTAESCOBILLAS (CONJ) (MOTOR DE ARRANQUE)	7T-3278	1	MOTOR DE ARRANQUE ELÉCTRICO (GR)	425
		1	MOTOR DE ARRANQUE ELÉCTRICO (GR)	427
SOPORTE (CONJ) (MOTOR DE ARRANQUE)	3E-0137	1	MOTOR DE ARRANQUE ELÉCTRICO (GR)	422

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
GERADORES				
FUSÍVEL - CERÂMICA (10 A)	9Y-6027	2	GERADOR	573
		2	GERADOR	577
		2	GERADOR	581
		2	GERADOR	585
		2	GERADOR	589
		2	GERADOR	593
		2	GERADOR	597
		2	GERADOR	601
		2	GERADOR	605
		2	GERADOR	609
		2	GERADOR	613
		2	GERADOR	617
FUSÍVEL (12 AMP)	9Y-8419	2	REGULADOR DE VOLTAGEM	623
		2	REGULADOR DE VOLTAGEM	624
		2	REGULADOR DE VOLTAGEM	632
FUSÍVEL (12 AMPERES)	9Y-8419	2	REGULADOR DE VOLTAGEM	622
MOTOR BÁSICO				
BUJÃO DO DRENO (ALOJAMENTO DO VOLANTE DO MOTOR)	5F-0304	2	CAIXA DO VOLANTE DO MOTOR	56
BUJÃO DO DRENO (RESERVATÓRIO DE ÓLEO)	9X-6451	1	CÁRTER DO ÓLEO DO MOTOR	67
	206-7331	1	CÁRTER DO ÓLEO DO MOTOR	66
CONEXÃO - ALÍVIO (COMANDO DO VENTILADOR)	4B-4550	1	COMANDO DO VENTILADOR	44
CORREIA EM V (ALTERNADOR)	4N-8216	1	MONTAGEM - ALTERNADOR	61
		1	MONTAGEM - ALTERNADOR	63
GRAXEIRA (COMANDO DO VENTILADOR)	2D-4867	1	COMANDO DO VENTILADOR	44
	4B-4550	1	COMANDO DO VENTILADOR	40
		1	COMANDO DO VENTILADOR	42
GRAXEIRA (ROSCA 1/8-27 POL) (COMANDO DO VENTILADOR)	2D-4867	1	COMANDO DO VENTILADOR	40
		1	COMANDO DO VENTILADOR	42
JOGO DE CORREIAS EM V (INCLUI 2 CORREIAS) (COMANDO DO VENTILADOR)	4N-8217	1	COMANDO DO VENTILADOR	42
JOGO DE CORREIAS EM V (INCLUI 3 CORREIAS) (COMANDO DO VENTILADOR)	6N-6656	1	COMANDO DO VENTILADOR	44
	6N-6652	1	COMANDO DO VENTILADOR	40

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
POSTO DO OPERADOR				
BATERIA (LÍTIO) (3 VOLTS)	101-1785	1	MÓDULO DE COMUNICAÇÃO DO SISTEMA	493
DISJUNTOR AUTOMÁTICO DE CIRCUITO (12,5 AMP)	1N-9770	1	PAINEL DE CONTROLE	497
		1	PAINEL DE CONTROLE	500
		1	PAINEL DE CONTROLE	502
		1	PAINEL DE CONTROLE	504
		1	PAINEL ELETRÔNICO	508
FUSÍVEL (1 AMP)	8K-4644	10	CONTROLE ELETRÔNICO - EMCP	468
FUSÍVEL (10 A)	3K-8782	16	PAINEL DE CONTROLE	498
		16	PAINEL DE CONTROLE	500
		16	PAINEL DE CONTROLE	502
		16	PAINEL DE CONTROLE	504
		20	PAINEL ELETRÔNICO	508
FUSÍVEL (2 AMP.)	7W-0482	3	PAINEL ELETRÔNICO	508
		3	PAINEL DE CONTROLE	498
		3	PAINEL DE CONTROLE	500
		3	PAINEL DE CONTROLE	502
		3	PAINEL DE CONTROLE	505
LÂMPADA (COR VERMELHA)	5N-5499	1	PAINEL DE INSTRUMENTOS	518
LÂMPADA (TRANSPARENTE)	3N-5719	2	PAINEL DE INSTRUMENTOS	518
LÂMPADA (VERDE)	5N-5501	1	PAINEL DE INSTRUMENTOS	518
LÂMPADA (120 VOLTS - 3 WATTS)	7G-9730	2	PAINEL DE CONTROLE	498
		2	PAINEL DE CONTROLE	500
		2	PAINEL DE CONTROLE	503
		2	PAINEL DE CONTROLE	505
LÂMPADA (120 VOLTS - 3 WATTS) (LUZ DO PAINEL)	7G-9730	2	PAINEL ELETRÔNICO	508
LÂMPADA (120 VOLTS, 6 WATTS)	5N-3615	2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	485
LÂMPADA (24 V)	7N-5876	2	PAINEL DE CONTROLE	498
		2	PAINEL DE CONTROLE	500
		2	PAINEL DE CONTROLE	503
		2	PAINEL DE CONTROLE	505
		2	PAINEL ELETRÔNICO	508
LÂMPADA (24 V) (APAGAR)	7N-5876	3	PAINEL ELETRÔNICO	506
		3	PAINEL ELETRÔNICO	512
LÂMPADA (3 WATT) (APAGAR)	7G-9730	2	PAINEL ELETRÔNICO	506
		2	PAINEL ELETRÔNICO	512
LÂMPADA (6 WATT)	5N-3615	2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	484
LENTE - LÂMPADA (TRANSPARENTE)	4W-8754	2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	484
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	485

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA DE ADMISSÃO E ESCAPE				
ELEMENTO - PRIMÁRIO	6I-2507	1	PURIFICADOR DE AR	149
	7C-1572	1	PURIFICADOR DE AR	152
ELEMENTO - SECUNDÁRIO	6I-2508	1	PURIFICADOR DE AR	149
FILTRO - AR	4N-0015	1	PURIFICADOR DE AR	148
INDICADOR - LIMPEZA DO FILTRO DE AR	7S-0687	1	PURIFICADOR DE AR	150
		1	PURIFICADOR DE AR	151
	8N-2694	1	PURIFICADOR DE AR	147
PROTETOR CONTRA CHUVA (CONEXÃO DO ESCAPE)	7S-4411	1	CONEXÃO DE ESCAPE	164
	125-5700	1	CONEXÃO DE ESCAPE	165
PROTETOR CONTRA CHUVA (SILENCIADOR)	7S-5003	1	SILENCIADOR	189
		1	SILENCIADOR	190
SISTEMA DE ARREFECIMENTO				
BUJÃO DO DRENO (PERMUTADOR DE CALOR)	5B-9169	5	PERMUTADOR DE CALOR - ÁGUA DO MAR	101
		5	PERMUTADOR DE CALOR - ÁGUA DO MAR	103
FILTRO - BOMBA DE ÁGUA	136-3742	1	BOMBA DE ÁGUA	122
JUNTA - TAMPA DO REGULADOR	4N-1156	1	TUBOS - ÁGUA	111
JUNTA - TAMPA DO REGULADOR (TANQUE DE EXPANSÃO)	4N-1156	1	TANQUE DE EXPANSÃO	139
REGULADOR DE TEMPERATURA DA ÁGUA (92 GRAUS CENTÍGRADOS)	4W-4794	1	TUBOS - ÁGUA	111
REGULADOR DE TEMPERATURA DA ÁGUA (92 GRAUS CENTÍGRADOS) (TANQUE DE EXPANSÃO)	4W-4794	2	TANQUE DE EXPANSÃO	139
TAMPA - ALÍVIO DE PRESSÃO (7 PSI) (RADIADOR)	4N-3311	1	RADIADOR	124
		1	RADIADOR	137
TAMPA - RADIADOR	6L-8617	1	RADIADOR	132
		1	TANQUE DE EXPANSÃO	139
TAMPA - RADIADOR (7 PSI)	4N-3311	1	RADIADOR	134

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA DE COMBUSTÍVEL				
ELEMENTO - FILTRO DE COMBUSTÍVEL (PRIMÁRIO)	9M-2342	1	FILTRO - COMBUSTÍVEL	235
ELEMENTO (SEPARADOR DE ÁGUA E DE COMBUSTÍVEL)	8N-0205	1	SEPARADOR DE ÁGUA	279
FILTRO - COMBUSTÍVEL (ALTA EFICIÊNCIA)	1R-0749	1	FILTRO - COMBUSTÍVEL	234
FILTRO (TAMPA DO TANQUE DE COMBUSTÍVEL)	4B-1663	1	TANQUE DE COMBUSTÍVEL E BASE	282
	4B-5949	1	TANQUE DE COMBUSTÍVEL E BASE	282
FUSÍVEL (0,75 A)	7T-0037	1	GOVERNADOR ELETRÔNICO	240
FUSÍVEL (10 A)	3K-8782	1	GOVERNADOR ELETRÔNICO	241
FUSÍVEL (2 AMP.)	8D-8724	1	GOVERNADOR	239
FUSÍVEL (20 A)	8M-0456	1	CONTROLE DO COMBUSTÍVEL	213
JUNTA (BOMBA DE ESCORVA DE COMBUSTÍVEL)	1P-0436	1	BOMBA DE ESCORVA DO COMBUSTÍVEL	270
TAMPA DO TANQUE DE COMBUSTÍVEL	7T-2036	1	TANQUE DE COMBUSTÍVEL E BASE	282
TELA FILTRANTE (GOVERNADOR E BOMBA INJETORA DE COMBUSTÍVEL)	8N-6680	1	BOMBA DO GOVERNADOR E INJEÇÃO DE COMBUSTÍVEL	275
SISTEMA DE LUBRIFICAÇÃO				
BOCAL DE ENCHIMENTO (ÓLEO DO MOTOR)	6N-1015	1	BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR	80
FILTRO - ÓLEO DO MOTOR	1R-0716	1	FILTRO - ÓLEO DO MOTOR	81
RESPIRO (CÁRTER DO MOTOR)	9Y-2988	1	RESPIRO	78
TAMPA - BOCAL DE ENCHIMENTO (ÓLEO DO MOTOR)	6N-2985	1	BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR	80
TAMPA CONTRA POEIRA (FILTRO DE ÓLEO DO MOTOR)	8C-3445	1	BASE DO FILTRO DE ÓLEO	76
TELA (ÓLEO DO MOTOR)	4N-0913	1	TUBOS - ÓLEO DO MOTOR	88

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA ELÉTRICO E DE PARTIDA				
BATERIA (LIVRE DE MANUTENÇÃO) (12 V)	115-2421	2	BATERIA	306
BATERIA (12 V)	9X-9720	2	BATERIA	304
	9X-9730	2	BATERIA	305
DISJUNTOR AUTOMÁTICO DE CIRCUITO (10 A) (CIRCUITO LÓGICO)	6T-3642	1	CAIXA DE JUNÇÃO	309
		1	CAIXA DE JUNÇÃO	312
DISJUNTOR AUTOMÁTICO DE CIRCUITO (12,5 AMP)	1N-9770	1	CAIXA DE JUNÇÃO	314
DISJUNTOR (320 - 400 AMPERES, PERCURSO DE AJUSTE)	143-5853	1	INTERRUPTOR - CIRCUITO	346
DISJUNTOR (500 - 630 AMP)(PERCURSO DE AJUSTE)	143-7610	1	INTERRUPTOR - CIRCUITO	347
DISJUNTOR (60 A)	6T-3645	1	CAIXA DE JUNÇÃO	314
		1	MONTAGEM - DISJUNTOR ELÉTRICO AUTOMÁTICO	385
ESCOVA (ALTERNADOR)	6T-2031	1	ALTERNADOR DE CORRENTE	298
FIXADOR (MOTOR DE PARTIDA)	3E-0137	1	MOTOR ELÉTRICO DE PARTIDA	422
FUSÍVEL (1 AMP)	8K-4644	10	MÓDULO - INTERFACE	384
FUSÍVEL (10 A)	3K-8782	1	CONTROLE - SOLENOIDE	363
		1	PARADA ELÉTRICA	417
FUSÍVEL (12 AMP.)	5N-0610	1	CONTROLE DE VOLTAGEM MANUAL	362
FUSÍVEL (20 A)	8M-0456	1	PARADA ELÉTRICA	417
INTERRUPTOR - CIRCUITO (20 A) (SOLENÓIDE DE PARADA DO COMBUSTÍVEL)	6T-3644	1	CAIXA DE JUNÇÃO	309
		1	CAIXA DE JUNÇÃO	312
SUPORTE - ESCOVA (MOTOR DE PARTIDA)	7T-3278	1	MOTOR ELÉTRICO DE PARTIDA	425
		1	MOTOR ELÉTRICO DE PARTIDA	427

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL-NUMMER	MENGE	VERWENDET IN	SEITE
BEDIENUNGSSTAND				
BATTERIE (*LITHIUM) (*3 VOLT)	101-1785	1	SYSTEMKOMMUNIKATIONSMODUL	493
BELEUCHTUNGSANLAGE (GRÜN)	5N-5501	1	INSTRUMENTENTAFEL	518
BELEUCHTUNGSANLAGE (ROT)	5N-5499	1	INSTRUMENTENTAFEL	518
BELEUCHTUNGSANLAGE (*120 VOLT/3 WATT)	7G-9730	2	SCHALTTAFEL	498
		2	SCHALTTAFEL	500
		2	SCHALTTAFEL	503
		2	SCHALTTAFEL	505
BELEUCHTUNGSANLAGE (*120 VOLT/3 WATT) (SCHALTTAFELLEUCHTE)	7G-9730	2	SCHALTTAFEL, ELEKTRON.	508
BELEUCHTUNGSANLAGE (3 W) (LÖSCHEN)	7G-9730	2	SCHALTTAFEL, ELEKTRON.	506
		2	SCHALTTAFEL, ELEKTRON.	512
LEUCHTE (FARBLOS)	3N-5719	2	INSTRUMENTENTAFEL	518
LEUCHTE (*120 VOLT, 6 WATT)	5N-3615	2	SYNCHRON-LICHTMODUL	485
LEUCHTE (24 V)	7N-5876	2	SCHALTTAFEL	498
		2	SCHALTTAFEL	500
		2	SCHALTTAFEL	503
		2	SCHALTTAFEL	505
		2	SCHALTTAFEL, ELEKTRON.	508
LEUCHTE (24 V) (LÖSCHEN)	7N-5876	3	SCHALTTAFEL, ELEKTRON.	506
		3	SCHALTTAFEL, ELEKTRON.	512
LEUCHTE (6 W)	5N-3615	2	SYNCHRON-LICHTMODUL	484
LEUCHTENLINSE (FARBLOS)	4W-8754	2	SYNCHRON-LICHTMODUL	484
		2	SYNCHRON-LICHTMODUL	485
SICHERUNG (1 A)	8K-4644	10	STEUERUNG - EMCP	468
SICHERUNG (10 A)	3K-8782	16	SCHALTTAFEL	498
		16	SCHALTTAFEL	500
		16	SCHALTTAFEL	502
		16	SCHALTTAFEL	504
		20	SCHALTTAFEL, ELEKTRON.	508
SICHERUNG (2 A)	7W-0482	3	SCHALTTAFEL	498
		3	SCHALTTAFEL	500
		3	SCHALTTAFEL	502
		3	SCHALTTAFEL	505
		3	SCHALTTAFEL, ELEKTRON.	508
UNTERBRECHER (12,5 A)	1N-9770	1	SCHALTTAFEL	500
		1	SCHALTTAFEL	502
		1	SCHALTTAFEL	504
		1	SCHALTTAFEL, ELEKTRON.	508
		1	SCHALTTAFEL	497

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL-NUMMER	MENGE	VERWENDET IN	SEITE
ELEKTRISCHE ANLAGE UND STARTSYSTEM				
BATTERIE (WARTUNGSFREI) (12 V)	115-2421	2	BATTERIE	306
BATTERIE (12 V)	9X-9720	2	BATTERIE	304
	9X-9730	2	BATTERIE	305
BÜRSTENHALTER (STARTERMOTOR)	7T-3278	1	STARTERMOTOR	425
		1	STARTERMOTOR	427
BÜRSTENSATZ (DREHSTROMGENERATOR)	6T-2031	1	DREHSTROMGENERATOR	298
HALTER (STARTERMOTOR)	3E-0137	1	STARTERMOTOR	422
SICHERUNG (1 A)	8K-4644	10	SCHNITTSTELLENMODUL	384
SICHERUNG (10 A)	3K-8782	1	*CONTROL GP-SOLENOID	363
		1	NOTABSCHALTER, ELEKTR.	417
SICHERUNG (12 A)	5N-0610	1	SPANNUNGSSTEUERUNG, MANUELL	362
SICHERUNG (20 A)	8M-0456	1	NOTABSCHALTER, ELEKTR.	417
UNTERBRECHER (10 A) (LOGIKSCHALTUNG)	6T-3642	1	ABZWEIGKASTEN	309
		1	ABZWEIGKASTEN	312
UNTERBRECHER (12,5 A)	1N-9770	1	ABZWEIGKASTEN	314
UNTERBRECHER (20 A) (KRAFTSTOFFABSTELLSOLENOID)	6T-3644	1	ABZWEIGKASTEN	309
		1	ABZWEIGKASTEN	312
UNTERBRECHER (*320-400 AMPERE, ADJ TRIP)	143-5853	1	UNTERBRECHER	346
UNTERBRECHER (*500-630 AMP)(ADJ TRIP)	143-7610	1	UNTERBRECHER	347
UNTERBRECHER (60 A)	6T-3645	1	ABZWEIGKASTEN	314
		1	UNTERBRECHER-ANBAUSATZ	385
GENERATORMOTOREN				
KERAMIKSICHERUNG (10 A)	9Y-6027	2	GENERATOR	573
		2	GENERATOR	577
		2	GENERATOR	581
		2	GENERATOR	585
		2	GENERATOR	589
		2	GENERATOR	593
		2	GENERATOR	597
		2	GENERATOR	601
		2	GENERATOR	605
		2	GENERATOR	609
		2	GENERATOR	613
		2	GENERATOR	617
SICHERUNG (12 A)	9Y-8419	2	SPANNUNGSREGLER	623
		2	SPANNUNGSREGLER	624
		2	SPANNUNGSREGLER	632
SICHERUNG (*12 AMPERE)	9Y-8419	2	SPANNUNGSREGLER	622

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL-NUMMER	MENGE	VERWENDET IN	SEITE
KRAFTSTOFFSYSTEM				
DICHTUNG (KRAFTSTOFFENTLÜFTUNGSPUMPE)	1P-0436	1	KRAFTSTOFF-ENTLÜFTUNGSPUMPE	270
ELEMENT (KRAFTSTOFF-/WASSERABSCHEIDER)	8N-0205	1	WASSERABSCHEIDER	279
FILTER (KRAFTSTOFFKAPPE)	4B-1663	1	KRAFTSTOFFTANK UND SOCKEL	282
	4B-5949	1	KRAFTSTOFFTANK UND SOCKEL	282
KRAFTSTOFFILTER (HAUPTELEMENT)	9M-2342	1	KRAFTSTOFFILTER	235
KRAFTSTOFFILTER (HOCHLEISTUNG)	1R-0749	1	KRAFTSTOFFILTER	234
KRAFTSTOFFTANKKAPPE	7T-2036	1	KRAFTSTOFFTANK UND SOCKEL	282
SICHERUNG (0,75 A)	7T-0037	1	REGLER, ELEKTRON.	240
SICHERUNG (10 A)	3K-8782	1	REGLER, ELEKTRON.	241
SICHERUNG (2 A)	8D-8724	1	REGLER	239
SICHERUNG (20 A)	8M-0456	1	KRAFTSTOFFSTEUERUNG	213
SIEB (*GOV & FUEL INJ PUMP)	8N-6680	1	REGLER UND KRAFTSTOFFEINSPRITZPUMPE	275
KÜHLSYSTEM				
ABLASSSTOPFEN (WÄRMETAUSCHER)	5B-9169	5	WÄRMEAUSTAUSCHER - SEEWASSER	101
		5	WÄRMEAUSTAUSCHER - SEEWASSER	103
DICHTUNG - THERMOSTATABDECKUNG	4N-1156	1	KÜHLWASSERLEITUNGEN	111
DICHTUNG - THERMOSTATABDECKUNG (AUSGLEICHSTANK)	4N-1156	1	AUSGLEICHSBEHÄLTER	139
DRUCKVENTILDECKEL (7 PSI) (KÜHLER)	4N-3311	1	KÜHLER	124
		1	KÜHLER	137
KÜHLERKAPPE	6L-8617	1	AUSGLEICHSBEHÄLTER	139
		1	KÜHLER	132
KÜHLERKAPPE (7 PSI)	4N-3311	1	KÜHLER	134
WASSERPUMPENFILTER	136-3742	1	KÜHLWASSERPUMPE	122
WASSERTEMPERATURREGLER (92 GRAD CELSIUS)	4W-4794	1	KÜHLWASSERLEITUNGEN	111
WASSERTEMPERATURREGLER (92 GRAD CELSIUS) (AUSGLEICHSTANK)	4W-4794	2	AUSGLEICHSBEHÄLTER	139
LUFTANSAUG- UND ABGASSYSTEM				
HAUPTFILTER	6I-2507	1	LUFTREINIGER	149
	7C-1572	1	LUFTREINIGER	152
LUFTFILTER	4N-0015	1	LUFTREINIGER	148
LUFTFILTER-WARTUNGSANZEIGE	7S-0687	1	LUFTREINIGER	150
		1	LUFTREINIGER	151
	8N-2694	1	LUFTREINIGER	147
REGENKAPPE (ABGASANSCHLUSS)	7S-4411	1	AUSPUFFANSCHLUSS	164
	125-5700	1	AUSPUFFANSCHLUSS	165
REGENKAPPE (SCHALLDÄMPFER)	7S-5003	1	SCHALLDÄMPFER	189
		1	SCHALLDÄMPFER	190
SICHERHEITSFILTER	6I-2508	1	LUFTREINIGER	149

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL-NUMMER	MENGE	VERWENDET IN	SEITE
MOTOR (GRUNDAUSFÜHRUNG)				
ABLASSSTOPFEN (ÖLWANNE)	9X-6451	1	ÖLWANNE	67
	206-7331	1	ÖLWANNE	66
ABLASSSTOPFEN (SCHWUNGRADGEHÄUSE)	5F-0304	2	SCHWUNGRADGEHÄUSE	56
ENTLASTUNGSFITTING (LÜFTERANTRIEB)	4B-4550	1	LÜFTERANTRIEB	44
KEILRIEMEN (DREHSTROMGENERATOR)	4N-8216	1	DREHSTROMGENERATOR - BEFESTIGUNG	61
		1	DREHSTROMGENERATOR - BEFESTIGUNG	63
KEILRIEMENSATZ (EINSCHL. 2 RIEMEN) (LÜFTERANTRIEB)	4N-8217	1	LÜFTERANTRIEB	42
KEILRIEMENSATZ (EINSCHL. 3 RIEMEN) (LÜFTERANTRIEB)	6N-6652	1	LÜFTERANTRIEB	40
	6N-6656	1	LÜFTERANTRIEB	44
SCHMIERNIPPEL (LÜFTERANTRIEB)	2D-4867	1	LÜFTERANTRIEB	44
	4B-4550	1	LÜFTERANTRIEB	40
		1	LÜFTERANTRIEB	42
SCHMIERNIPPEL (1/8-27-GEWINDE) (LÜFTERANTRIEB)	2D-4867	1	LÜFTERANTRIEB	40
		1	LÜFTERANTRIEB	42
SCHMIERSYSTEM				
EINFÜLLKAPPE (MOTORÖL)	6N-2985	1	MOTORÖLEINFÜLLSTUTZEN	80
EINFÜLLSATZ (MOTORÖL)	6N-1015	1	MOTORÖLEINFÜLLSTUTZEN	80
ENTLÜFTER (KURBELGEHÄUSE)	9Y-2988	1	ENTLÜFTER	78
ÖLFILTER	1R-0716	1	ÖLFILTER	81
SAUGGLOCKENSIEB (MOTORÖL)	4N-0913	1	MOTORÖLLEITUNGEN	88
STAUBKAPPE (MOTORLUFTFILTER)	8C-3445	1	ÖLFILTERSOCKEL	76

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

INDEX

Name	Page
A	
ACTUATOR AS-GOVERNOR	206, 207, 208
ADAPTER AS-EXHAUST	142, 143
ADAPTER GP-AIR CLEANER	144
ADAPTER GP-BASE END CHANNELS	528
AFTERCOOLER GP-WATER	145
AIR CLEANER GP	147, 148, 149, 150, 151, 152
ALTERNATOR GP-CHARGING	293, 296, 298
ATOMIZER AS-ETHER	419
B	
BAR GP-GROUND	508
BASE AS-FUEL TANK	209
BASE GP-ENGINE & GENERATOR	529, 530, 531, 533
BASE GP-OIL FILTER	76, 77
BATTERY CHARGER	300, 301, 302, 303
BATTERY GP	304, 305, 306
BATTERY GP (12 VOLT)	304
BATTERY (LITHIUM) (3 VOLT)	493
BATTERY (MAINTENANCE FREE) (12 VOLT)	306
BATTERY (12 VOLT)	305
BOX GP-EXTENSION TERMINAL	307, 308
BOX GP-JUNCTION	309, 312, 314, 316
BREATHER AS (CRANKCASE)	78
BREATHER GP–CRANKCASE	78
BRUSH AS (ALTERNATOR)	298
C	
CABLE AS-EXTENSION	317, 318
CABLE GP-BATTERY	319
CABLE GP-GENERATOR GROUND	544, 545
CAMSHAFT GP	12
CAP AS-FILLER (ENGINE OIL)	80
CAP AS-FUEL TANK	282
CAP AS-RAIN	153
CAP AS-RAIN (EXHAUST FITTING)	164, 165
CAP AS-RAIN (MUFFLER)	189, 190
CAP-DUST (ENGINE OIL FILTER)	76
CAP-PRESSURE VALVE (7 PSI) (RADIATOR)	124, 137
CAP-RADIATOR	132, 139
CAP-RADIATOR (7 PSI)	134
CARTRIDGE GP-TURBOCHARGER	154, 156, 204
CHART-CONTROL PANEL	643
CHART-PLATE & FILM	653
CIRCUIT BREAKER AS (10 AMP) (LOGIC CIRCUIT)	309, 312
CIRCUIT BREAKER AS (12.5 AMP)	314, 497, 500, 502, 504, 508
CIRCUIT BREAKER GP	320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342

INDEX

Name	Page
	343
	344
	345
	346
	347
	348
	349
CIRCUIT BREAKER GP (1000 AMP)	321
CIRCUIT BREAKER GP (1200 AMP)	322
CIRCUIT BREAKER GP (20 AMP)	498
	500
	502
	504
CIRCUIT BREAKER GP (20 AMP) (FUEL SHUTOFF SOLENOID)	309
	312
CIRCUIT BREAKER GP (700 AMP)	321
CIRCUIT BREAKER GP (800 AMP)	321
CIRCUIT BREAKER GP (800 AMPERE)	320
	323
CIRCUIT BREAKER (320-400 AMPERE, ADJ TRIP)	346
CIRCUIT BREAKER (500-630 AMP)(ADJ TRIP)	347
CIRCUIT BREAKER (60 AMP)	314
	385
CONNECTION GP-ELECTRICAL	350
	352
	354
	355
CONNECTION GP-GENERATOR LEADS	546
	548
	549
	551
CONNECTION GP-TERMINAL STRIP	552
CONTACTOR AS-WATER TEMP	357
CONTACTOR GP	358
CONTACTOR GP-ALARM	359
	360
CONTROL AR-EMCP ELECTRONIC	449
CONTROL AS-GOVERNOR	210
	211
	212
CONTROL GP-ALARM MODULE	450
	451
	452
	453
	454
	455
	456
	457
	458
	459
CONTROL GP-EMCP ELECTRONIC	460
	461
	462
	463
	464
	465
	466
	467
	468
CONTROL GP-EMCP ELECTRONIC (RELAY)	463
CONTROL GP-ENG RATINGS ELEK	361
CONTROL GP-ENGINE MONITORING	468
CONTROL GP-FUEL	213
CONTROL GP-GOVERNOR	214
	215
	217
	218
	219
	220
CONTROL GP-MANUAL VOLTAGE	362
	363
CONTROL GP-SOLENOID	363
CONVERSION AR-FAST FILL–QUICKEVAC	653
COOLER GP-ENGINE OIL	95
CORE AS (ENGINE OIL COOLER)	95
CORE AS (HEAT EXCHANGER)	103
CORE AS-RADIATOR	128
COUPLING GP-GENERATOR	13
	14
COVER AS-EXTENSION BOX	364
COVER GP-ACCESS	556
COVER GP-ACCESS–LIFTING EYES	555
COVER GP-CIRCUIT BREAKER	365
COVER GP-CYLINDER BLOCK	15
	16
COVER GP-FLYWHEEL HOUSING	17
COVER GP-FRONT HOUSING	18
COVER GP-FUEL TRANSFER	221
COVER GP-GENERATOR	535
COVER GP-PROTECTIVE LIFT	554
COVER GP-VALVE MECHANISM	20
COVER GP-WATER LINES	96
CRANKSHAFT GP	21
CYLINDER AS-ETHER	419
	420
CYLINDER BLOCK AS	22
CYLINDER BLOCK GP	23
	25
	27
	29
	31
CYLINDER HEAD GP	32
	33
	34
	36
	37

INDEX

Name	Page
D	
DAMPER & PULLEY GP	38
DIODE GP	366
DRIVE GP-ACCESSORY	39
DRIVE GP-FAN	40
	42
	44
DRIVE GP-GOVERNOR	222
DRIVE GP-GOVERNOR & FUEL PUMP	225
	227
DRIVE GP-TACHOMETER	228
E	
ELBOW-EXHAUST	162
	163
ELBOW GP-EXHAUST	158
	159
	160
	161
ELEMENT AS-FUEL FILTER (PRIMARY)	235
ELEMENT AS (FUEL/WATER SEPARATOR)	279
ELEMENT AS-PRIMARY	149
	152
ELEMENT AS-SECONDARY	149
ENCLOSURE GP	536
ENCLOSURE GP-GENERATOR	537
	539
	540
	541
ENGINE AR	1
	2
	4
	5
	6
F	
FAN GP-BLOWER	97
	98
FAN GP-SUCTION	99
FASTENER GP-BATTERY CHARGER	367
	368
FASTENER GP-EXTENSION BOX	369
	370
FASTENER GP-FRONT HOUSING	46
FASTENER GP-FUEL INJ PUMP	229
	230
FASTENER GP-GOVERNOR	231
	233
FASTENER GP-OIL PUMP MOUNTING	79
FASTENER GP-RFI FILTER	557
FASTENER GP-WIRING	374
FASTENER GP-WIRING HARNESS	371
FASTENER GP-WIRING HARNESS–HARNESS	375
FILLER AS (ENGINE OIL)	80
FILLER GP-ENGINE OIL	80
FILM (ANNUNCIATOR)	450
FILM-ANNUNCIATOR (CONTROL PANEL)	451
	452
	453
FILM-CONNECTION (SPACE HEATER)	658
FILM-CONTROL PANEL	502
	504
FILM-CONTROL PANEL (ALARM MODULE)	459
FILM-CONTROL PANEL (AUTO STARTING AID)	507
FILM-CONTROL PANEL (CUSTOM ALARM MODULE IDENTS)	455
	457
FILM-CONTROL PANEL (CUSTOM ALARM MODULE) (V1)	455
FILM-CONTROL PANEL (CUSTOM ALARM MODULE) (V2)	457
FILM-CONTROL PANEL (EMCP II - GRAPHIC/TEXT)	465
	466
FILM-CONTROL PANEL (EMCPII RELAY DRIVER MODULE)	483
FILM-CONTROL PANEL (EUI - EMCPII+)	463
FILM-CONTROL PANEL (GSC+ - EMCPII+)	463
	464
FILM-CONTROL PANEL (MANUAL STARTING AID)	498
	500
	502
	504
FILM-DISPLAY (COMMUNICATION MODULE)	493
FILM-EMCP II	498
	500
FILM-EMCP II (GRAPHIC/TEXT)	465
FILM-GENERATOR WIRING	388
	391
	392
	552
FILM GP (CONTROL PANEL IDENT)	507
FILM-IDENTIFICATION (CONTROL PANEL)	498
	500
	502
	504
FILM-IDENTIFICATION (CONTROL PANEL WIRE)	498
	500
	502
	504

INDEX

Name	Page
	508
FILM-IDENTIFICATION (CUSTOMER INTERFACE MODULE)	482
FILM-IDENTIFICATION (REVERSE POWER)	498
	500
	502
	504
FILM-IDENTIFICATION (10A DC FUSE)	363
	417
FILM-IDENTIFICATION (10A DC FUSE)	241
FILM-IDENTIFICATION (10A DC FUSE)	498
	500
	502
	504
	508
FILM-IDENTIFICATION (2A DC FUSE)	498
	500
	502
	504
	508
FILM-IDENTIFICATION (20 AMP DC FUSE)	213
FILM-IDENTIFICATION (20AMP DC FUSE)	417
FILM-INFORMATION (SYMBOL DESCRIPTION)	654
	655
FILM-INSTRUCTION (DIRECT ELECTRIC STARTING)	419
	420
FILM-INSTRUCTION (ECMP II STARTING)	654
FILM-INSTRUCTION (ECMP II+ STARTING)	655
FILM-INSTRUCTION (PACKAGE PRE-START)	625
FILM (INSTRUCTION) (PRE-START)(VOLTAGE CONTROL)	626
	629
FILM-INSTRUCTION (VOLTAGE CONTROL ADJUSTMENT)	625
	627
FILM-INTERFACE (COMMUNICATION MODULE)	493
FILM-PANEL (INSTRUMENT)	518
FILM-SYCHRONIZING PANEL (EMCP)	485
FILM-SYCHRONIZING PANEL (EMCP - ENGLISH/FRENCH)	484
FILM (TERMINAL STRIP)	320
	321
	322
	323
	324
	325
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	348
FILM-TERMINAL STRIP	400
	401
	552
FILM-WARNING (ELECTRICAL SHOCK)	498
	500
	502
	504
	507
FILM-WARNING (SECONDARY STOP ACCESS)	655
FILM-WARNING (SECONDARY STOP ACCESS)	654
FILTER-AIR	148
FILTER AS-ENGINE OIL	81
FILTER AS-FUEL (HIGH EFFICIENCY)	234
FILTER (FUEL CAP)	282
FILTER GP-ENGINE OIL	81
	82
FILTER GP-FUEL	234
	235
	236
	237
FILTER GP-PRIMARY FUEL	238
FILTER-WATER PUMP	122
FITTING GP-EXHAUST	164
	165
	166
	167
	168
	169
FITTING-GREASE (FAN DRIVE)	40
	42
	44
FITTING-GREASE (1/8-27 THD) (FAN DRIVE)	40
	42
FITTING-PRESSURE RELIEF (FAN DRIVE)	44
FLANGE	170
FLANGE GP-EXHAUST	171
	172
	173
FLYWHEEL GP	47
FUMES DISPOSAL GP	83
FUSE-CERAMIC (10 AMP)	573
	577
	581
	585
	589
	593

INDEX

Name	Page
	597
	601
	605
	609
	613
	617
FUSE (0.75 AMP)	240
FUSE (1 AMP)	384
	468
FUSE (10 AMP)	241
	363
	417
	498
	500
	502
	504
	508
FUSE (12 AMP)	362
	623
	624
	632
FUSE (12 AMPERE)	622
FUSE (2 AMP)	239
	498
	500
	502
	505
	508
FUSE (20 AMP)	213
	417

G

GASKET (FUEL PRIMING PUMP)	270
GASKET (OIL PAN)	66
GASKET-OIL PAN	67
GASKET-REGULATOR COVER	111
GASKET-REGULATOR COVER (EXPANSION TANK)	139
GAUGE AS-OIL LEVEL (DIPSTICK)	84
	85
	86
	87
GAUGE-FUEL LEVEL	284
	285
	286
	287
	288
GAUGE GP-FUEL PRESSURE	469
GAUGE GP-OIL LEVEL (DIPSTICK)	84
	85
	86
	87
GEAR GP-FRONT	48
GENERAL AR	7
	8
	9
	10
	11
GENERATOR AR	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
GENERATOR GP	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
GOVERNOR AS	239
GOVERNOR AS-ELECTRONIC	240
	241
GOVERNOR GP	242
	243
	248
GUARD GP-BELT	49
	51
	52
	54
GUARD GP-DAMPER	55
GUARD GP-ENGINE	542

INDEX

Name	Page
GUARD GP-RADIATOR	100

H

Name	Page
HARNESS AS	376
	377
	378
HARNESS AS (DC)(ELECTRONIC PANEL)	507
HARNESS AS (ELECTRONIC PANEL AS HARNESS)	507
HARNESS AS-ENGINE (ELECTRONIC PANEL)	507
HARNESS AS (GOVERNOR)	508
HARNESS AS (JUNCTION BOX)	309
	312
HARNESS AS (MANUAL VOLTAGE CONTROL)(NO. 1)	362
HARNESS AS (MANUAL VOLTAGE CONTROL)(NO. 2)	362
HARNESS AS-PANEL	379
HARNESS AS-PANEL (ELECTRONIC)	508
HEAT EXCHANGER GP-SEA WATER	101
	103
	105
	106
HEATER GP-JACKET WATER	380
	381
	382
	383
HOLDER AS-BRUSH (STARTING MOTOR)	425
	427
HOLDER AS (STARTING MOTOR)	422
HOOD AS-AIR CLEANER	174
HOUSING AS-GOVERNOR DRIVE	250
HOUSING GP-FLYWHEEL	56
HOUSING GP-FRONT	57
HOUSING GP-FUEL PUMP	265

I

Name	Page
INDICATOR-AIR FILTER SERVICE	147
	150
	151
INDICATOR AS (ENGINE OIL PRESSURE)	513
	515
INDICATOR-FUEL PRESSURE	469
	513
	515
INDICATOR (WATER TEMPERATURE)	513
	515
INSERT-VALVE SEAT (EXHAUST)	37
INSERT-VALVE SEAT (INLET)	37

K

Name	Page
KIT-AIR CLEANER CLAMP	148
KIT-AIR CLEANER CLAMP (INCLUDES CLIP AS AND RIVET)	144
KIT-BEARING (STARTING MOTOR)	422
KIT-BRUSH (STARTING MOTOR)	422
	425
	427
KIT-BUFFER SPRING (GOVERNOR)	248
KIT-BUSHING (STARTING MOTOR)	425
	427
KIT-CARTRIDGE (TURBOCHARGER)	154
	156
KIT-CONNECTING PLUG (2 PIN)	376
KIT-CONNECTING PLUG (2-PIN) (CONTROL PANEL WIRING HARNESS)	496
	497
KIT-CONNECTING PLUG (2 PIN) (FUEL RUPTURE BASIN)	377
KIT-CONNECTING PLUG (2 PIN) (LOW FUEL LEVEL)	377
KIT-CONNECTING PLUG (2 PIN) (WIRING HARNESS)	448
KIT-CONNECTING PLUG (3 PIN)	376
KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL)	498
	500
	503
	505
KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL WIRING HARNESS)	496
	497
KIT-CONNECTING PLUG (3-PIN) (ELECTRONIC PANEL DC HARNESS)	507
KIT-CONNECTING PLUG (3-PIN) (ELEK PANEL ENGINE HARNESS)	507
KIT-CONNECTING PLUG (3 PIN) (ENGINE COOLANT LOSS SENSOR)	376
KIT-CONNECTING PLUG (3 PIN) (WIRING HARNESS)	448
KIT-CONNECTING PLUG (4 PIN)	376
KIT-CONNECTING PLUG (6-PIN) (CONTROL PANEL)	498
	500
	503
	505
KIT-CONNECTING PLUG (6-PIN) (ELEK PANEL ENGINE HARNESS)	507
KIT-CONNECTING PLUG (6 PIN) (WIRING HARNESS)	448
KIT-CONNECTING PLUG (8 PIN) (EMCP CONTROL)	462
KIT-CONNECTING PLUG (8-PIN) (EMCP ELECTRONIC CONTROL)	460

INDEX

Name	Page
KIT-CONTROL PANEL INSTALLATION	654, 655
KIT-COVER REPAIR (GOVERNOR)	248
KIT-DROOP SHAFT (GOVERNOR)	248
KIT-GASKET (WATER PUMP)	122
KIT-GOVERNOR CONTROL STOP	248
KIT-GOVERNOR LINKAGE	248
KIT-GOVERNOR PISTON	248
KIT-GOVERNOR REPAIR	248
KIT-GOVERNOR VALVE	248
KIT-HARDWARE (ALTERNATOR)	298
KIT-HARDWARE (STARTING MOTOR)	422
KIT-INSULATOR (STARTING MOTOR)	425, 427
KIT-LEVER (STARTING MOTOR)	425, 427
KIT-OUTPUT TERMINAL (ALTERNATOR)	293, 296
KIT-PLUG REPAIR (GOVERNOR)	248
KIT-PUMP REBUILD (WATER)	122
KIT-RECEPTACLE (2 PIN)	376
KIT-RECEPTACLE (2 PIN) (ENGINE SPEED SENSOR)	411
KIT-RECEPTACLE (2 PIN) (FUEL RUPTURE BASIN)	377
KIT-RECEPTACLE (2 PIN) (HIGH FUEL LEVEL)	377
KIT-RECEPTACLE (2 PIN) (WIRING HARNESS)	448
KIT-RECEPTACLE (3 PIN)	376
KIT-RECEPTACLE (3 PIN) (CONTROL PANEL INSTALLATION)	654, 655
KIT-RECEPTACLE (3 PIN) (COOLANT LOSS SENSOR)	406, 407
KIT-RECEPTACLE (3 PIN) (ELEC GOVERNOR ACTUATOR HARNESS)	378
KIT-RECEPTACLE (3 PIN) (ELECTRONIC GOVERNOR ACTUATOR)	377
KIT-RECEPTACLE (3 PIN) (EMCP ELECTRONIC CONTROL)	461
KIT-RECEPTACLE (3 PIN) (ENGINE COOLANT LOSS SENSOR)	376
KIT-RECEPTACLE (3 PIN) (ENGINE OIL PRESSURE SENSOR)	408, 409
KIT-RECEPTACLE (3 PIN) (TEMPERATURE SENSOR)	413
KIT-RECEPTACLE (3 PIN) (WIRING HARNESS)	448
KIT-RECEPTACLE (4 PIN)	376
KIT-RECEPTACLE (4 PIN) (BATTERY CHARGER)	376
KIT-RECEPTACLE (4 PIN) (FUEL LEVEL HIGH/LOW)	377
KIT-RECEPTACLE (6 PIN)	376, 654
KIT-RECEPTACLE (6 PIN) (CONTROL PANEL INSTALLATION)	654, 655
KIT-RECEPTACLE (6 PIN) (WIRING HARNESS)	448
KIT-RECEPTACLE (8 PIN) (CONTROL PANEL)	498, 500, 503, 505
KIT-RECEPTACLE (8 PIN) (ELEK PANEL ENGINE HARNESS)	507
KIT-RELAY TERMINAL (ALTERNATOR)	293, 296
KIT-RELIEF VALVE (GOVERNOR)	248
KIT-REPAIR (GOVERNOR)	248
KIT-RFI FILTER	657
KIT-SERVICE METER	470, 471
KIT-SPACE HEATER	658
KIT-STARTING MOTOR PIN	422
KIT-STARTING MOTOR SEAL	422
KIT-TERMINAL (ALTERNATOR)	298
KIT-TERMINAL (CIRCUIT BREAKER)	328, 329, 330, 331, 332, 333, 334
KIT-WASHER (STARTING MOTOR)	422

L

Name	Page
LAMP AS (GREEN)	518
LAMP AS (RED)	518
LAMP AS (120 VOLT/3 WATT)	498, 500, 503, 505
LAMP AS (120 VOLT/3 WATT) (PANEL LIGHT)	508
LAMP AS (3 WATT) (CLEAR)	506, 512
LAMP (CLEAR)	518
LAMP (120 VOLT, 6 WATT)	485
LAMP (24 VOLT)	498, 500, 503, 505, 508
LAMP (24 VOLT) (CLEAR)	506

INDEX

Name	Page
	512
LAMP (6 WATT)	484
LENS-LAMP (CLEAR)	484
	485
LIFTING GP-ENGINE	59
	60
LINES GP-AFTERCOOLER WATER	107
LINES GP-AIR	175
	176
	177
LINES GP-COOLANT DRAIN	109
LINES GP-ENGINE OIL	88
LINES GP-ENGINE OIL DRAIN	89
	90
LINES GP-FLEXIBLE FUEL	251
	252
LINES GP-FUEL FILTER	253
	255
LINES GP-FUEL INJECTION	256
	257
	258
	259
	261
LINES GP-TURBOCHARGER OIL	91
	92
LINES GP-WATER	110
	111
	113
	114
	115

M

MANIFOLD GP-EXHAUST	178
	179
MANIFOLD GP-INLET	180
METER GP-SERVICE	470
	471
MODULE GP-ALARM	472
	473
	474
	475
	476
	477
	478
	479
	480
	481
MODULE GP-INTERFACE	384
MODULE GP-RELAY DRIVER	482
	483
MODULE GP-SYNCHRONIZING LIGHTS	484
	485
	487
	488
	489
	490
	491
MODULE GP-SYSTEM COMMUNICATION	492
	493
MOUNTING GP-ACTUATOR	526
MOUNTING GP-AIR CLEANER	181
MOUNTING GP-ALTERNATOR	61
	63
MOUNTING GP-BRACKET	65
MOUNTING GP-CIRCUIT BREAKER	385
	386
	388
	389
	390
	391
	392
MOUNTING GP-CONTACTOR	393
	394
	396
	397
MOUNTING GP-CONTROL PANEL	494
MOUNTING GP-GOVERNOR ACTUATOR	263
MOUNTING GP-HEAT EXCHANGER	116
MOUNTING GP-INSTRUMENT PANEL	495
MOUNTING GP-JACKET WTR HEATER	398
MOUNTING GP-MUFFLER	182
	183
	184
MOUNTING GP-RADIATOR	117
MOUNTING GP-VOLTAGE REGULATOR	621
MUFFLER	185
	186
	187
MUFFLER–6 INCH CRITICAL SILENCER	186
MUFFLER–6 INCH RESIDENTIAL SILENCER	186
MUFFLER–8 INCH CRITICAL SILENCER	186
MUFFLER GP	188
	189
	190

N

NEUTRAL BUS BAR AS	400
	401

P

PAN GP-OIL	66
	67
	68
PANEL AR-CONTROL	496
	497
PANEL AS–RETRO-FIT SHEETMETAL	502
PANEL GP-CONTROL	497

INDEX

Name	Page
	500
	502
	504
PANEL GP-ELECTRONIC	506
	507
	512
PANEL GP-INSTRUMENT	513
	515
	517
	518
	519
	520
	521
	522
	523
PIPE GP-EXHAUST	191
	192
	193
PISTON & ROD GP	69
	70
	72
PLATE & FILM GP (ENGINE) (ENGINE RATING)	653
PLATE GP-IDENTIFICATION (JUNCTION BOX)	309
	312
PLATE-INSTRUCTION (HEAT START)	442
PLATE-WARNING (HOT SURFACE)	542
PLUG-DRAIN (FLYWHEEL HOUSING)	56
PLUG-DRAIN (HEAT EXCHANGER)	101
	103
PLUG-DRAIN (OIL PAN)	66
	67
PRECLEANER AS	194
PRECLEANER GP	195
PULLEY-ALTERNATOR	63
PULLEY-FAN DRIVE	40
	42
PUMP & MTG GP-FUEL TRANSFER	264
PUMP GP-AUXILIARY WATER	118
	120
PUMP GP-ENGINE OIL	93
	94
PUMP GP-FUEL INJECTION	265
	267
	268
PUMP GP-FUEL PRIMING	270
PUMP GP-FUEL TRANSFER	271
PUMP GP-GOV & FUEL INJ	272
	273
	274
	275
PUMP GP-GOV DRIVE & FUEL INJ	277
	278
PUMP GP-WATER	121
	122

R

RADIATOR GP	124
	126
	128
	130
	132
	134
	137
REGULATOR AS-VOLTAGE	622
	623
REGULATOR AS (24 VOLT) (ALTERNATOR VOLTAGE)	293
	296
REGULATOR GP-VOLTAGE	624
	625
	626
	627
	628
	629
	630
	631
	632
	633
REGULATOR GP-VOLTAGE (24 VOLT)(ALTERNATOR)	298
REGULATOR-WATER TEMPERATURE (92 DEG C.)	111
REGULATOR-WATER TEMPERATURE (92 DEG C.) (EXPANSION TANK)	139
RELAY AS (EMCP CONTROL)	449
RELAY AS (24 VOLT) (FUEL SHUT-OFF)	309
	312
RELAY GP	402
RELAY GP-AUXILIARY	403
RELAY GP-OVERCURRENT	403
RELAY GP-VOLTAGE	404
	405
ROCKER ARM GP	73
ROTOR AS	634
	635
	636
	637
	638
	639

S

SCREEN AS-BELL (ENGINE OIL)	88
SCREEN AS (GOV & FUEL INJ PUMP)	275
SEAL GP-CRANKSHAFT	21
SEAL GP-ENCLOSURE	524
SENDER AS (OIL PRESSURE)	358

INDEX

Name	Page
SENDER-TEMPERATURE (WATER)	358
SENSOR GP-LIQUID LEVEL– COOLANT LOSS	406, 407
SENSOR GP-LIQUID LEVEL (ENGINE COOLANT)	654, 655
SENSOR GP-PRESSURE–OIL	408, 409
SENSOR GP-PRESSURE (ENGINE OIL)	361, 468, 654, 655
SENSOR GP-SPEED–ENGINE	411, 412
SENSOR GP-SPEED–LOW OUTPUT	410
SENSOR GP-SPEED (ENGINE)	412
SENSOR GP-SPEED (ENGINE/MAGNETIC/LOW OUTPUT)	411
SENSOR GP-TEMPERATURE	413
SENSOR GP-TEMPERATURE (ENGINE COOLANT)	361, 654, 655
SENSOR GP-TEMPERATURE (WATER)	468
SEPARATOR GP-WATER	279, 280
SHIELD GP-MANIFOLD	196
SHIELD-RAIN	197
SHUTOFF GP-AIR	198
SHUTOFF GP-ELECTRICAL	414, 415, 416, 417
SHUTOFF GP-MANUAL	281
SOLENOID AS (24 VOLT) (STARTING MOTOR)	422, 425, 427
SOLENOID GP-SHUTOFF	416, 418
SOLENOID (SHUTOFF)	414
SPIDER AS-BLOWER FAN (6 BLADE)	97
STARTING AID GP-ETHER	419, 420
STARTING MOTOR GP-ELECTRIC	421, 422, 424, 425, 427
SUPPORT GP-BATTERY	429, 430, 431, 433, 435
SUPPORT GP-ENGINE	74
SWITCH (ALARM SILENCE)	518
SWITCH AS	437, 441
SWITCH AS–AUXILIARY	438
SWITCH AS-AUXILIARY (BREAKER POSITION INDICATOR)	440
SWITCH AS-AUXILIARY (CIRCUIT BREAKER ALARM)	441
SWITCH AS-AUXILIARY (CIRCUIT BREAKER POSITION)	441
SWITCH AS (BREAKER STATUS)	440
SWITCH AS (ETHER AID ON/OFF)	419, 420
SWITCH AS (FUEL PRESSURE)	219, 220
SWITCH AS-MAGNETIC (STARTING MOTOR)	508
SWITCH AS-MAGNETIC (24 VOLT) (DUAL STARTING MOTORS)	499, 501, 503, 505
SWITCH AS-MAGNETIC (24 VOLT) (STARTING MOTOR)	314
SWITCH AS-PRESSURE (ENGINE OIL)	359, 360
SWITCH AS-PRESSURE (ENGINE OIL)	309, 312
SWITCH AS-PRESSURE (OIL)	358
SWITCH AS-PUSH BUTTON (ALARM SILENCE)	454
SWITCH AS-PUSH BUTTON (LAMP TEST)	454
SWITCH AS-PUSH BUTTON (OPERATOR) (SECONDARY STOP)	312
SWITCH AS-PUSH BUTTON (OPERATOR) (SECONDARY STOP)	309
SWITCH AS-PUSH BUTTON (SECONDARY STOP)	417, 508
SWITCH AS (REMOTE BREAKER STATUS)	440
SWITCH AS-TEMPERATURE	439
SWITCH AS-TEMPERATURE (ETHER AID ARMING)	419, 420
SWITCH AS-TEMPERATURE (LOW WATER TEMPERATURE ALARM)	444
SWITCH AS-TOGGLE (START AID/ON-MOMENTARY-OFF)	447
SWITCH AS-TOGGLE (STARTING AID)	446
SWITCH-DETECTION (LEAK)	284, 286, 287, 288
SWITCH-FUEL (LOW FUEL LEVEL)	285

INDEX

Name	Page
	287
SWITCH GP–STARTING AID	446
SWITCH GP-AUXILIARY	440
SWITCH GP-ENGINE– CIRCUIT BREAKER POSITION	440
	441
SWITCH GP-ENGINE START (4 POSITION)	501
	503
	505
	508
SWITCH GP-ENGINE START (4 POSITION) (ENGINE CONTROL)	499
SWITCH GP-GOVERNOR	441
SWITCH GP-HEAT START	442
SWITCH GP-START	443
SWITCH GP-TEMPERATURE	444
	445
SWITCH GP-TEMPERATURE (WATER)	358
SWITCH GP-TOGGLE–START AID	447
SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	499
	501
	503
	505
SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	508
SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHTS)	506
	512
SWITCH GP-TOGGLE (2 POLE) (GOVERNOR)	441
SWITCH (LAMP TEST)	459
SWITCH-LIQUID LEVEL (LOW FUEL)	284
	285
	286
	287
	288
SWITCH (PANEL TEST)	451
SWITCH-TOGGLE (STARTING AID)	446
SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)	485
SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)	484
SWITCH (VOLTAGE CONTROL)(MAN/OFF/AUTO)	362

T

Name	Page
TACHOMETER GP	525
TACHOMETER GP-ELECTRIC	525
TAG-NOTICE (STARTING AID)	419
	420
TANK & BASE GP-FUEL	282
TANK AS-FUEL	284
	285
	286
	287
	288
	289
	290
TANK GP-EXPANSION	139
THERMOSTAT AS (JACKET WATER HEATER) (20 TO 80 DEGREE C)	380
TORQUE CONTROL GP	291
	292
TRANSFORMER	640
TRANSFORMER GP-CURRENT	641
	642
TURBOCHARGER GP	200
	201
	202
	203
	204
	205

V

Name	Page
V-BELT (ALTERNATOR)	61
	63
V-BELT SET (INCLUDES 2 BELTS) (FAN DRIVE)	42
V-BELT SET (INCLUDES 3 BELTS) (FAN DRIVE)	40
V-BELT SET (INCLUDES 3 BELTS) (FAN DRIVE)	44
VALVE AS (AIR SHUTOFF)	198
VALVE AS-CHECK (FUEL INJECTION PUMP)	267
VALVE AS (CHECK)(FUEL TRANSFER PUMP)	271
VALVE AS (ETHER START)(24 VOLT)	419
VALVE AS-VENT (WATER SEPARATOR)	279
VALVE AS (24 VOLT)(ETHER START)	420
VALVE-EXHAUST (CYLINDER HEAD)	33
VALVE-GOVERNOR SERVO	243
VALVE GP-FLUID SAMPLING (ENGINE OIL)	76
VALVE-INLET (CYLINDER HEAD)	33
VALVE MECHANISM GP	75
VALVE-NEEDLE (THROTTLE RESPONSE)	244
VALVE (3/4 PTF THD) (JACKET WATER HEATER)	398

W

Name	Page
WIRING GP-PANEL	448

INDEX

Désignation	Page
A	
ADAPTATEUR DE CANAUX D'EXTRÉMITÉ DE SUPPORT (ASS)	528
ADAPTATEUR DE FILTRE A AIR (ASS)	144
ADAPTATEUR D'ÉCHAPPEMENT (ENS)	142
	143
ADMISSION REFROIDIE PAR EAU (ASS)	145
ALTERNATEUR (ASS)	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
ALTERNATEUR DE CHARGE (ASS)	296
	298
ALTERNATEUR DE CHARGE (ASS)	293
ALTERNATEUR (VERSION)	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
AMORTISSEUR DE VIBRATIONS - PROTECTION (ASS)	55
AMORTISSEUR DE VIBRATIONS ET POULIE (ASS)	38
AMPOULE (TRANSPARENT)	518
AMPOULE (*120 VOLT, 6 WATT)	485
AMPOULE (24 VOLTS)	498
	500
	503
	505
	508
AMPOULE (24 VOLTS) (EFFACEMENT)	506
	512
AMPOULE (6 WATTS)	484
ARBRE A CAMES (ASS)	12
ARRÊT D'AIR (ASS)	198
ARRÊT ÉLECTRIQUE	414
	415
	416
	417
ARRET MANUEL (ASS)	281
AUTOCOLLANT - ECRAN D'AFFICHAGE (MODULE DE COMMUNICATION)	493
AUTOCOLLANT - INTERFACE (MODULE DE COMMUNICATION)	493
AUTOCOLLANT (AVERTISSEUR)	450
AUTOCOLLANT (BARRETTE À BORNE)	320
	321
	322
	323
	324
	325
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	348
AUTOCOLLANT CONNEXIONS (RÉSISTANCE CHAUFFANTE)	658
AUTOCOLLANT D'AVERTISSEUR (TABLEAU DE BORD)	451
	452
	453
AUTOCOLLANT DE BARRETTE À BORNES	400
	401
	552
AUTOCOLLANT DE CÂBLAGE D'ALTERNATEUR	552
AUTOCOLLANT DE CÂBLAGE D'ALTERNATEUR	388

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	391
	392
AUTOCOLLANT DE MISE EN GARDE (ÉLECTROCUTION)	498
	500
	502
	504
AUTOCOLLANT DE MISE EN GARDE (ÉLECTROCUTION)	507
AUTOCOLLANT DE MISE EN GARDE (*SECONDARY STOP ACCESS)	654
	655
AUTOCOLLANT DE PANNEAU DE COMMANDE	502
	504
AUTOCOLLANT DE PANNEAU DE COMMANDE (AIDE AU DÉMARRAGE AUTOMATIQUE)	507
AUTOCOLLANT DE PANNEAU DE COMMANDE (AIDE AU DÉMARRAGE MANUELLE)	498
	500
	502
	504
AUTOCOLLANT DE PANNEAU DE COMMANDE (EMCP II - GRAPHIQUE/ TEXTE)	465
	466
AUTOCOLLANT DE PANNEAU DE COMMANDE (EUI - EMCPII+)	463
AUTOCOLLANT DE PANNEAU DE COMMANDE (GSC+ - EMCPII+)	463
	464
AUTOCOLLANT DE PANNEAU DE COMMANDE (IDENTIFICATION DE MODULE D'AVERTISSEUR SPÉCIAL)	455
	457
AUTOCOLLANT DE PANNEAU DE COMMANDE (MODULE D'AVERTISSEUR)	459
AUTOCOLLANT DE PANNEAU DE COMMANDE (MODULE D'AVERTISSEUR SPÉCIAL) (V1)	455
AUTOCOLLANT DE PANNEAU DE COMMANDE (MODULE D'AVERTISSEUR SPÉCIAL) (V2)	457
AUTOCOLLANT DE PANNEAU DE COMMANDE (MODULE DE CONDUCTEUR À RELAIS EMCPII)	483
AUTOCOLLANT DE PANNEAU DE SYNCHRONISATION (EMCP)	485
AUTOCOLLANT DE PANNEAU DE SYNCHRONISATION (EMCP - ANGLAIS/FRANÇAIS)	484
AUTOCOLLANT D'IDENTIFICATION (CÂBLE DE PANNEAU DE COMMANDE)	498
	500
	502
AUTOCOLLANT D'IDENTIFICATION (CÂBLE DE PANNEAU DE COMMANDE)	508
AUTOCOLLANT D'IDENTIFICATION (FUSIBLE CC 10A)	241
	363
	417
	498
	500
	502
	504
AUTOCOLLANT D'IDENTIFICATION (FUSIBLE CC 10A)	508
AUTOCOLLANT D'IDENTIFICATION (FUSIBLE CC 2A)	498
	500
	502
	504
	508
AUTOCOLLANT D'IDENTIFICATION (FUSIBLE CC 20A)	213
	417
AUTOCOLLANT D'IDENTIFICATION (INVERSION DE PUISSANCE)	498
	500
	502
	504
AUTOCOLLANT D'IDENTIFICATION (MODULE D'INTERFACE CLIENT)	482
AUTOCOLLANT D'IDENTIFICATION (PANNEAU DE COMMANDE)	498
	500
	502
	504
AUTOCOLLANT DU PANNEAU (INSTRUMENT)	518
AUTOCOLLANT-EMCP II	498
	500
AUTOCOLLANT-EMCP II (GRAPHIQUE/ TEXTE)	465
AUTOCOLLANT-INFORMATION (DESCRIPTION DES SYMBOLES)	654
	655
AUTOCOLLANT (INSTRUCTION) (*PRE-START)(VOLTAGE CONTROL)	626
	629
AUXILIAIRE DE DÉMARRAGE À L'ÉTHER	419
	420
AXE DE CULBUTEUR (ASS)	73

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page

B

BARRE DE MASSE (ASS)	508
BARRETTE A BORNES (ASS)	552
BASE DU MOTEUR ET D'ALTERNATEUR (ASS)	529, 530, 531, 533
BATTERIE (ASS)	304, 305, 306
BATTERIE (ASS) (12 VOLTS)	304
BATTERIE (LITHIUM) (3 VOLTS)	493
BATTERIE (SANS ENTRETIEN) (12 VOLTS)	306
BATTERIE (12 VOLTS)	305
BLOC-CYLINDRES - COUVERCLE (ASS)	15, 16
BLOC-CYLINDRES (ASS)	23, 25, 27, 29, 31
BLOC-CYLINDRES (ENS)	22
BOITIER DE BORNES (ASS)	307, 308
BOÎTIER DE POMPE À CARBURANT	265
BOUCHON DE GOULOTTE DE REMPLISSAGE (ENS) (HUILE MOTEUR)	80
BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS)	80
BOUCHON DE RÉSERVOIR DE CARBURANT (ENS)	282
BOUCHON DE VIDANGE (CARTER DE VOLANT)	56
BOUCHON DE VIDANGE (CARTER D'HUILE)	66, 67
BOUCHON DE VIDANGE (ÉCHANGEUR THERMIQUE)	101, 103
BOULONNERIE - POMPE D'INJECTION DE CARB. (ASS)	229, 230
BOULONNERIE DE BOITIER DE BORNES (ASS)	369, 370
BOULONNERIE DE CARTER AV (ASS)	46
BOULONNERIE DE CHARGEUR DE BATTERIE (ASS)	367, 368
BOULONNERIE DE FAISCEAU DE CABLES	371, 375
BOULONNERIE DE MONTAGE DE LA POMPE A HUILE (ASS)	79
BOULONNERIE DE REGULATEUR	231, 233
BOULONNERIE DU CABLAGE (ASS)	374
BOULONNERIE-FILTRE D'INTERFÉRENCE FRÉQ. RADIO (ASS)	557
BOUTON DE TEMPÉRATURE	444, 445
BOUTON DE TEMPÉRATURE (EAU)	358
BRANCHEMENT CABLES (ASS)	546, 548, 549, 551
BRANCHEMENT ÉLECTRIQUE (ASS)	350, 352, 354, 355
BRIDE	170
BRIDE D'ÉCHAPPEMENT (ASS)	171, 172, 173
BROSSE (ENS) (ALTERNATEUR)	298
BUTÉE ÉLASTIQUE (ASS)	291, 292

C

CABLAGE MOTEUR (ENS) (*ELECTRONIC PANEL)	507
CÂBLE - MASSE D'ALTERNATEUR (ASS)	544, 545
CÂBLE - RALLONGE (ENS)	317, 318
CABLE DE BATTERIE (ASS)	319
CACHE-SOUPAPES (ASS)	20
CANALIS. D'EAU - REFROIDISSEUR D'ADMISSION (ASS)	107
CANALISATIONS D'AIR (ASS)	175, 176, 177
CANALISATIONS DE VIDANGE DE RÉFRIGÉRANT (ASS)	109
CANALISATIONS D'EAU (ASS)	110, 111, 113, 114, 115
CANALISATIONS D'HUILE DE TURBOCOMPRESSEUR (ASS)	91, 92
CANALISATIONS D'HUILE MOTEUR (ASS)	88
CANALISATIONS D'INJECTION DE CARBURANT (ASS)	256, 257

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	258
	259
	261
CANALISATIONS DU FILTRE A CARBURANT (ASS)	253
	255
CANALISATIONS-VIDANGE D'HUILE DE MOTEUR (ASS)	89
	90
CAPOT - FILTRE À AIR (ENS)	174
CAPTEUR DE NIVEAU DU LIQUIDE (ASS)	407
CAPTEUR DE NIVEAU DU LIQUIDE (ASS)	406
CAPTEUR DE NIVEAU DU LIQUIDE (ASS) (LIQUIDE DE REFROIDISSEMENT DU MOTEUR)	654
	655
CAPTEUR DE PRESSION (ASS)	408
	409
CAPTEUR DE PRESSION (ASS) (HUILE MOTEUR)	468
	654
	655
CAPTEUR DE PRESSION (ASS) (HUILE MOTEUR)	361
CAPTEUR DE TEMPERATURE (ASS)	413
CAPTEUR DE TEMPERATURE (ASS) (EAU)	468
CAPTEUR DE TEMPERATURE (ASS) (LIQUIDE DE REFROIDISSEMENT DU MOTEUR)	361
	654
	655
CAPTEUR DE VITESSE (ASS)	410
	411
	412
CAPTEUR DE VITESSE (ASS) (MOTEUR)	412
CAPTEUR DE VITESSE (ASS) (MOTEUR/ MAGNÉTIQUE/ SORTIE BASSE)	411
CARENAGE (ASS)	536
CARENAGE DE GROUPE ELECTROGENE	537
	539
	540
	541
CARTER AV (ASS)	57
CARTER DE VOLANT (ASS)	56
CARTER D'ENTRAINEMENT DE REGULATEUR (ENS)	250
CHAPEAU - LIMITEUR DE PRESSION (7PSI) (RADIATEUR)	124
	137
CHAPEAU - RADIATEUR	132
	139
CHAPEAU - RADIATEUR (7PSI)	134
CHARGEUR DE BATTERIE	300
	301
	302
	303
CLAPET A POINTEAU (RÉPONSE DU PAPILLON)	244
CLAPET DE RETENUE (ENS) (POMPE D'INJECTION)	267
CLAPET (ENS) (ARRÊT D'AIR)	198
CLAPET (ENS) (CONTRÔLE)(POMPE D'ALIMENTATION)	271
CLAPET (ENS) (DÉMARRAGE À L'ÉTHER)(24V)	419
CLAPET (ENS) (24 VOLTS)(DÉMARRAGE À L'ÉTHER)	420
CLAPET (FILET 3/4 PTF) (RECHAUFFEUR EAU DE CHEMISES)	398
COFFRE DE BRANCHEMENT	309
	312
	314
	316
COLLECTEUR D'ADMISSION (ASS)	180
COLLECTEUR D'ÉCHAPPEMENT (ASS)	178
	179
COMMANDE - TENSION MANUELLE (ASS)	362
COMMANDE - TENSION MANUELLE (ASS)	363
COMMANDE DE CARBURANT (ASS)	213
COMMANDE DE MODULE MISE EN GARDE (ASS)	452
	453
	454
	455
	456
	457
	458
	459
COMMANDE DE MODULE MISE EN GARDE (ASS)	450
	451
COMMANDE DE RÉGULATEUR (ASS)	214
	215
	217
	218
	219
	220
COMMANDE DE RÉGULATEUR (ENS)	210
	211
	212
COMMANDE DE SOLÉNOÏDE (ASS)	363
COMMANDE DE SURVEILLANCE DE MOTEUR (ASS)	468
COMMANDE D'ELECTROMODULE DE SURVEILLANCE (ASS)	461
	462
	463

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	464
	465
	466
	467
	468
COMMANDE D'ELECTROMODULE DE SURVEILLANCE (ASS)	460
COMMANDE D'ELECTROMODULE DE SURVEILLANCE (ASS) (RELAIS)	463
COMMANDE ÉLECTRIQUE DE RÉGLAGE DU MOTEUR (ASS)	361
COMMANDE ÉLECTRONIQUE MODULAIRE (EMCP) (VERSION)	449
COMPTE-TOURS (ASS)	525
COMPTE-TOURS ÉLECTRIQUE (ASS)	525
COMPTEUR D'ENTRETIEN (ASS)	470
	471
CONTACTEUR (ASS)	358
CONTACTEUR-CARBURANT (BAS NIVEAU DE CARBURANT)	285
	287
CONTACTEUR D'ALARME (ASS)	359
CONTACTEUR D'ALARME (ASS)	360
CONTACTEUR DE DEMARRAGE DU MOTEUR (ASS) (4 POSITIONS)	501
	503
	505
	508
CONTACTEUR DE DEMARRAGE DU MOTEUR (ASS) (4 POSITIONS) (COMMANDE DU MOTEUR)	499
CONTACTEUR DE NIVEAU DE LIQUIDE (BAS NIVEAU DE CARBURANT)	284
	285
	286
	287
	288
CONTACTEUR DE PRÉCHAUFFAGE (ASS)	442
CONTACTEUR DE TEMPÉRATURE D'EAU	357
CONTACTEUR-DÉTECTION (FUITE)	284
	286
	287
	288
CONTACTEUR (ENS)	441
CONTACTEUR (ENS) (AUXILIAIRE DE DÉMARRAGE À L'ÉTHER MARCHE/ARRÊT)	419
	420
CONTACTEUR (ENS) (PRESSION DE CARBURANT)	219
	220
CONTACTEUR MAGNETIQUE (ENS) (DÉMARREUR)	508
CONTACTEUR MAGNETIQUE (ENS) (24 VOLTS) (DÉMARREUR)	314
CONTACTEUR MAGNETIQUE (ENS) (24 VOLTS) (DEUX DÉMARREURS)	499
	501
	503
	505
CONTACTEUR MOTEUR (ASS)	441
*CONVERSION AR-FAST FILL	653
COUDE D'ÉCHAPPEMENT	162
	163
COUDE D'ÉCHAPPEMENT (ASS)	158
	159
	160
	161
COUPLEUR - ALTERNATEUR (ASS)	13
	14
COURROIE TRAPEZOIDALE (ALTERNATEUR)	61
	63
COUVERCLE - ALIMENTATION DE CARBURANT	221
COUVERCLE D'ALTERNATEUR (ASS)	535
COUVERCLE DE BOITIER DE BORNES (ENS)	364
COUVERCLE DE CARTER AV (ASS)	18
COUVERCLE DE CARTER DE VOLANT (ASS)	17
COUVERCLE DE DISJONCTEUR (ASS)	365
COUVERCLE DE PROTECTION - OEILLETON DE LEVAGE	554
COUVERCLE DE VISITE (ASS)	555
	556
COUVERCLE DES CANALISATIONS D'EAU	96
CULASSE (ASS)	32
	33
	34
	36
	37
CULBUTERIE (ASS)	75
CYLINDRE D'ETHER (ENS)	419
	420

D

DÉFLECTEUR DE PLUIE	197
DÉFLECTEUR DE PLUIE (ENS)	153
DÉFLECTEUR DE PLUIE (ENS) (RACCORD D'ÉCHAPPEMENT)	164
	165
DÉFLECTEUR DE PLUIE (ENS) (SILENCIEUX)	189
	190

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
DÉMARREUR ÉLECTRIQUE (ASS)	424
	425
DÉMARREUR ÉLECTRIQUE (ASS)	421
	422
	427
DIODES (ASS)	366
DISJONCTEUR (ASS)	320
	321
	322
	323
	324
	325
	326
	327
	328
	329
	330
	331
	332
	333
	334
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	346
	347
	348
	349
DISJONCTEUR (ASS) (1000A)	321
DISJONCTEUR (ASS) (1200A)	322
DISJONCTEUR (ASS) (20 A)	498
	500
	502
	504
DISJONCTEUR (ASS) (20 A) (SOLÉNOÏDE DE COUPURE D'ALIMENTATION)	309
	312
DISJONCTEUR (ASS) (700A)	321
DISJONCTEUR (ASS) (*800 AMPERE)	320
DISJONCTEUR (ASS) (800A)	321
	323
DISJONCTEUR (ENS) (10A) (CIRCUIT LOGIQUE)	309
	312
DISJONCTEUR (ENS) (12,5 A)	314
	508
DISJONCTEUR (ENS) (12,5 A)	497
DISJONCTEUR (ENS) (12,5 A)	500
	502
	504
DISJONCTEUR (*320-400 AMPERE, ADJ TRIP)	346
DISJONCTEUR (*500-630 AMP)(ADJ TRIP)	347
DISJONCTEUR (60A)	314
	385
DISPOSITIF D'EVACUATION DES VAPEURS DE CARTER	83

E

EAU DES CHEMISES - RECHAUFFEUR (ASS)	381
	382
	383
EAU DES CHEMISES - RECHAUFFEUR (ASS)	380
ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	103
	105
	106
ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	101
ECHAPPEMENT - TUYAU (ASS)	191
	192
	193
ÉCRAN DE COLLECTEUR (ASS)	196
ÉCRAN (ENS) (POMPE D'INJECTION DE CARBURANT ET RÉGULATEUR)	275
ÉLÉMENT DE FILTRE À CARBURANT (ENS) (PRINCIPAL)	235
ELEMENT (ENS) (CARBURANT/SÉPARATEUR D'EAU)	279
ÉLÉMENT PRINCIPAL (ENS)	149
	152
ÉLÉMENT SECONDAIRE (ENS)	149
ENSEMBLE DE BARRE OMNIBUS NEUTRE	400
	401
ENTR. DE RÉGULATEUR ET POMPE À CARBURANT (ASS)	225
	227
ENTRAINEM. DE REGUL. ET POMPE D'INJECT. DE CARB.	277
	278
ENTRAÎNEMENT AUXILIAIRE (ASS)	39
ENTRAÎNEMENT DE COMPTE-TOURS (ASS)	228
ENTRAINEMENT DE REGULATEUR (ASS)	222
ENTRAÎNEMENT DE VENTILATEUR (ASS)	40

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	42
	44
ÉTIQUETTE DE REMARQUE (AUXILIAIRE DE DÉMARRAGE)	419
	420

F

FAISCEAU DE CABLES (ENS)	376
	377
	378
FAISCEAU DE CABLES (ENS) (BOÎTE DE DÉRIVATION)	312
FAISCEAU DE CABLES (ENS) (BOÎTE DE DÉRIVATION)	309
FAISCEAU DE CABLES (ENS) (*DC)(ELECTRONIC PANEL)	507
FAISCEAU DE CABLES (ENS) (*ELECTRONIC PANEL AS HARNESS)	507
FAISCEAU DE CABLES (ENS) (*MANUAL VOLTAGE CONTROL)(NO. 1)	362
FAISCEAU DE CABLES (ENS) (*MANUAL VOLTAGE CONTROL)(NO. 2)	362
FAISCEAU DE CABLES (ENS) (RÉGULATEUR)	508
FAISCEAU (ENS) (ÉCHANGEUR THERMIQUE)	103
FAISCEAU (ENS) (REFROIDISSEUR D'HUILE MOTEUR)	95
FILTRE À AIR	148
FILTRE A AIR (ASS)	147
	148
	149
	150
	151
	152
FILTRE A CARBURANT (ASS)	234
	235
	236
	237
FILTRE A CARBURANT (ENS) (GRANDE EFFICACITÉ)	234
FILTRE À CARBURANT PRINCIPAL (ASS)	238
FILTRE À HUILE MOTEUR (ASS)	81
	82
FILTRE A HUILE MOTEUR (ENS)	81
FILTRE (BOUCHON DE CARBURANT)	282
FILTRE DE POMPE À EAU	122
FUSIBLE EN CÉRAMIQUE (10A)	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
	617
FUSIBLE (0,75A)	240
FUSIBLE (1 A)	384
	468
FUSIBLE (10A)	241
	363
	417
	498
	500
	502
	504
	508
FUSIBLE (12 A)	623
	624
	632
FUSIBLE (*12 AMPERE)	622
FUSIBLE (12A)	362
FUSIBLE (2 A)	239
	498
	500
	502
	505
	508
FUSIBLE (20 A)	213
	417

G

GICLEUR-ÉTHER (ENS)	419
GOULOTTE DE REMPLISSAGE (ENS) (HUILE MOTEUR)	80
GRAISSEUR (ENTRAÎNEMENT DE VENTILATEUR)	40
	42
	44
GRAISSEUR (FILET 1/8-27) (ENTRAÎNEMENT DE VENTILATEUR)	40
	42

H

*HARNESS AS-PANEL	379
HUILE MOTEUR - CARTER (ASS)	66
	67
	68

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page

I

INDICATEUR DE COLMATAGE DE FILTRE A AIR	147 150 151
INDICATEUR DE NIVEAU DE CARBURANT	284 285 286 287 288
INDICATEUR (ENS) (PRESSION D'HUILE MOTEUR)	513
INDICATEUR (ENS) (PRESSION D'HUILE MOTEUR)	515
INTERRUPTEUR - BOUTON-POUSSOIR (ENS) (ARRÊT AUXILIAIRE)	508
INTERRUPTEUR - BOUTON-POUSSOIR (ENS) (ARRÊT AUXILIAIRE)	417
INTERRUPTEUR - BOUTON-POUSSOIR (ENS) (ARRÊT D'AVERTISSEUR SONORE)	454
INTERRUPTEUR - BOUTON-POUSSOIR (ENS) (CONTROLE DE TEMOIN)	454
INTERRUPTEUR - BOUTON-POUSSOIR (ENS) (POSTE DE CONDUITE) (ARRÊT AUXILIAIRE)	312
INTERRUPTEUR - BOUTON-POUSSOIR (ENS) (POSTE DE CONDUITE) (ARRÊT AUXILIAIRE)	309
INTERRUPTEUR - CONTACTEUR (ARRÊT D'AVERTISSEUR SONORE)	518
INTERRUPTEUR - CONTACTEUR (CONTROLE DE TEMOIN)	459
INTERRUPTEUR - CONTACTEUR (ESSAI DU TABLEAU DE BORD)	451
INTERRUPTEUR - CONTACTEUR (*VOLTAGE CONTROL)(MAN/OFF/AUTO)	362
INTERRUPTEUR À BASCULE (ASS)	447
INTERRUPTEUR À BASCULE (ASS) (PÔLE UNIQUE) (ECLAIRAGE DU TABLEAU DE BORD)	512
INTERRUPTEUR À BASCULE (ASS) (PÔLE UNIQUE) (ECLAIRAGE DU TABLEAU DE BORD)	506
INTERRUPTEUR À BASCULE (ASS) (PÔLE UNIQUE) (TÉMOIN DU PANNEAU)	508
INTERRUPTEUR À BASCULE (ASS) (PÔLE UNIQUE) (TÉMOIN DU PANNEAU)	499 501 503 505
INTERRUPTEUR À BASCULE (ASS) (2 PÔLES) (RÉGULATEUR)	441
INTERRUPTEUR A BASCULE (AUXILIAIRE DE DÉMARRAGE)	446
INTERRUPTEUR A BASCULE (COMMANDE DE TÉMOINS DE SYNCHRONISATION)	484 485
INTERRUPTEUR À BASCULE (ENS) (AIDE AU DÉMARRAGE/ MARCHE-TEMPORAIRE- ARRÊT)	447
INTERRUPTEUR À BASCULE (ENS) (AUXILIAIRE DE DÉMARRAGE)	446
INTERRUPTEUR (ASS)	446
INTERRUPTEUR AUXILIAIRE (ENS) (AVERTISSEUR DE DISJONCTEUR)	441
INTERRUPTEUR AUXILIAIRE (ENS) (INDICATEUR DE POSITION DE DISJONCTEUR)	440
INTERRUPTEUR AUXILIAIRE (ENS) (POSITION DE DISJONCTEUR)	441
INTERRUPTEUR DE DÉMARRAGE (ASS)	443
INTERRUPTEUR DE RÉGULATEUR (ASS)	441

J

JAUGE D'HUILE MOTEUR (BAIONNETTE) (ASS)	84 85 86 87
JAUGE D'HUILE MOTEUR (BAÏONNETTE) (ENS)	84 85 86 87
JEU DE COURROIES TRAPEZOIDALES (COMPREND 2 COURROIES) (ENTRAÎNEMENT DE VENTILATEUR)	42
JEU DE COURROIES TRAPEZOIDALES (COMPREND 3 COURROIES) (ENTRAÎNEMENT DE VENTILATEUR)	40 44
JOINT - CARÉNAGE	524
JOINT DE CARTER D'HUILE	67
JOINT DE COUVERCLE DE RÉGULATEUR	111
JOINT DE COUVERCLE DE RÉGULATEUR (RÉSERVOIR D'EXPANSION)	139
JOINT DE VILEBREQUIN (ASS)	21
JOINT PLAT (CARTER D'HUILE)	66
JOINT PLAT (POMPE D'AMORÇAGE DE CARBURANT)	270

K

KIT - RESISTANCE DE CHAUFFAGE	658

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
KIT D'ARBRE DE STATISME (RÉGULATEUR)	248
KIT D'ARRÊT DE COMMANDE DE RÉGULATEUR	248
KIT DE BAGUE (DÉMARREUR)	425, 427
KIT DE BALAIS (DÉMARREUR)	422, 427
KIT DE BALAIS (DÉMARREUR)	425
KIT DE BORNE (ALTERNATEUR)	298
KIT DE BORNE DE RELAIS (ALTERNATEUR)	293, 296
KIT DE BORNE DE SORTIE (ALTERNATEUR)	293, 296
KIT DE BORNE (DISJONCTEUR)	328, 329, 330, 331, 332, 333, 334
KIT DE BOUGIE (2 BROCHES)	376
KIT DE BOUGIE (2 BROCHES) (BAS NIVEAU DE CARBURANT)	377
KIT DE BOUGIE (2 BROCHES) (*CONTROL PANEL WIRING HARNESS)	496, 497
KIT DE BOUGIE (2 BROCHES) (CUVETTE DE RUPTURE DE CARBURANT)	377
KIT DE BOUGIE (2 BROCHES) (FAISCEAU MOTEUR)	448
KIT DE BOUGIE (3 BROCHES)	376
KIT DE BOUGIE (3 BROCHES) (CAPTEUR DE PERTE DE LIQUIDE DE REFROIDISSEMENT DU MOTEUR)	376
KIT DE BOUGIE (3 BROCHES) (FAISCEAU MOTEUR)	448
KIT DE BOUGIE (*3-PIN) (*CONTROL PANEL WIRING HARNESS)	496, 497
KIT DE BOUGIE (*3-PIN) (*ELECTRONIC PANEL DC HARNESS)	507
KIT DE BOUGIE (*3-PIN) (*ELEK PANEL ENGINE HARNESS)	507
KIT DE BOUGIE (*3-PIN) (TABLEAU DE BORD)	498, 500, 503, 505
KIT DE BOUGIE (4 BROCHES)	376
KIT DE BOUGIE (6 BROCHES) (FAISCEAU MOTEUR)	448
KIT DE BOUGIE (*6-PIN) (*ELEK PANEL ENGINE HARNESS)	507
KIT DE BOUGIE (*6-PIN) (TABLEAU DE BORD)	498, 500, 503, 505
KIT DE BOUGIE (8 BROCHES) (COMMANDE EMCP)	462
KIT DE BOUGIE (*8-PIN) (COMMANDE ÉLECTRONIQUE EMCP)	460
KIT DE BOULONNERIE (ALTERNATEUR)	298
KIT DE BOULONNERIE (DÉMARREUR)	422
KIT DE BRIDE DE FIXATION DE FILTRE A AIR	148
KIT DE BRIDE DE FIXATION DE FILTRE A AIR (COMPREND ENS DE COLLIER DE SERRAGE ET RIVET)	144
KIT DE BROCHE DE DÉMARREUR	422
KIT DE CARTOUCHE (TURBOCOMPRESSEUR)	154, 156
KIT DE CLAPET DE DECHARGE (RÉGULATEUR)	248
KIT DE COMPTEUR D'ENTRETIEN	470, 471
KIT DE COUSSINET (DÉMARREUR)	422
KIT DE JOINT DE DÉMARREUR	422
KIT DE LEVIER (DÉMARREUR)	425, 427
KIT DE MONTAGE DE PANNEAU DE COMMANDE	654, 655
KIT DE PISTON DE RÉGULATEUR	248
KIT DE PRISE FEMELLE (2 BROCHES)	376
KIT DE PRISE FEMELLE (2 BROCHES) (CAPTEUR DE REGIME DU MOTEUR)	411
KIT DE PRISE FEMELLE (2 BROCHES) (CUVETTE DE RUPTURE DE CARBURANT)	377
KIT DE PRISE FEMELLE (2 BROCHES) (FAISCEAU MOTEUR)	448
KIT DE PRISE FEMELLE (2 BROCHES) (NIVEAU ÉLEVÉ DE CARBURANT)	377
KIT DE PRISE FEMELLE (3 BROCHES)	376
KIT DE PRISE FEMELLE (3 BROCHES) (CAPTEUR DE PERTE DE LIQUIDE DE REFROIDISSEMENT)	406, 407
KIT DE PRISE FEMELLE (3 BROCHES) (CAPTEUR DE PERTE DE LIQUIDE DE REFROIDISSEMENT DU MOTEUR)	376
KIT DE PRISE FEMELLE (3 BROCHES) (CAPTEUR DE PRESSION D'HUILE MOTEUR)	408

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	409
KIT DE PRISE FEMELLE (3 BROCHES) (CAPTEUR DE TEMP.)	413
KIT DE PRISE FEMELLE (3 BROCHES) (COMMANDE DE RÉGULATEUR ÉLECTRONIQUE)	377
KIT DE PRISE FEMELLE (3 BROCHES) (COMMANDE ÉLECTRONIQUE EMCP)	461
KIT DE PRISE FEMELLE (3 BROCHES) (*ELEC GOVERNOR ACTUATOR HARNESS)	378
KIT DE PRISE FEMELLE (3 BROCHES) (FAISCEAU MOTEUR)	448
KIT DE PRISE FEMELLE (3 BROCHES) (MONTAGE DE TABLEAU DE BORD)	654
	655
KIT DE PRISE FEMELLE (4 BROCHES)	376
KIT DE PRISE FEMELLE (4 BROCHES) (CHARGEUR DE BATTERIE)	376
KIT DE PRISE FEMELLE (4 BROCHES) (NIVEAU DE CARBURANT ÉLEVÉ/INSUFFISANT)	377
KIT DE PRISE FEMELLE (6 BROCHES)	376
	654
KIT DE PRISE FEMELLE (6 BROCHES) (FAISCEAU MOTEUR)	448
KIT DE PRISE FEMELLE (6 BROCHES) (MONTAGE DE TABLEAU DE BORD)	654
	655
KIT DE PRISE FEMELLE (8 BROCHES) (*ELEK PANEL ENGINE HARNESS)	507
KIT DE PRISE FEMELLE (8 BROCHES) (TABLEAU DE BORD)	498
	500
	503
	505
KIT DE RÉNOVATION DE LA POMPE À EAU (EAU)	122
KIT DE REPARATION - REGULATEUR DE FREQUENCE	657
KIT DE RÉPARATION DE BOUCHON (RÉGULATEUR)	248
KIT DE RÉPARATION DE COUVERCLE (RÉGULATEUR)	248
KIT DE REPARATION DU REGULATEUR	248
KIT DE RÉPARATION (RÉGULATEUR)	248
KIT DE RESSORT D'AMORTISSEUR (RÉGULATEUR)	248
KIT DE RONDELLE (DÉMARREUR)	422
KIT DE SOUPAPE DE RÉGULATEUR	248
KIT DE TRINGLERIE DE RÉGULATEUR	248
KIT D'ISOLANT (DÉMARREUR)	427
KIT D'ISOLANT (DÉMARREUR)	425
KIT (JOINT CHASSIS PORTEUR) (POMPE À EAU)	122

L

LAMPE (ENS) (ROUGE)	518
LAMPE (ENS) (VERT)	518
LAMPE (ENS) (120 VOLTS/3 WATTS)	498
	500
	503
	505
LAMPE (ENS) (120 VOLTS/3 WATTS) (TÉMOIN DU PANNEAU)	508
LAMPE (ENS) (3 WATTS) (EFFACEMENT)	506
	512
LENTILLE DE LAMPE (TRANSPARENT)	484
	485

M

MANOCONTACT (ENS) (HUILE)	358
MANOCONTACT (ENS) (HUILE MOTEUR)	309
	312
MANOCONTACT (ENS) (HUILE MOTEUR)	359
	360
MANOMETRE DE CARBURANT	469
	513
	515
MANOMETRE DE CARBURANT (ASS)	469
MECANISME DE COMMANDE - MONTAGE	526
MECANISME DE COMMANDE DE RADIATEUR (ENS)	206
	207
	208
MODULE - SYSTÈME DE COMMUNICATION (ASS)	492
	493
MODULE - VOYANTS DE SYNCHRONISATION (ASS)	485
	487
	488
	489
	490
	491
MODULE - VOYANTS DE SYNCHRONISATION (ASS)	484
MODULE D'ALARME (ASS)	472
	473
	474
	475
	476
	477
	478
	479
	480
	481
MODULE DE COMMANDE DE RELAIS (ASS)	483

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
MODULE DE COMMANDE DE RELAIS (ASS)	482
MODULE-INTERFACE (ASS)	384
MONTAGE - MÉCANISME DE COMMANDE DE RADIATEUR (ASS)	263
MONTAGE D'ALTERNATEUR (ASS)	61
MONTAGE D'ALTERNATEUR (ASS)	63
MONTAGE DE CONTACTEUR (ASS)	393
	394
	396
	397
MONTAGE DE DISJONCTEUR (ASS)	389
	390
	391
	392
MONTAGE DE DISJONCTEUR (ASS)	385
	386
	388
MONTAGE DE FILTRE À AIR (ASS)	181
MONTAGE DE RÉGULATEUR DE TENSION (ASS)	621
MONTAGE DE SILENCIEUX (ASS)	182
	183
	184
MONTAGE D'ÉCHANGEUR THERMIQUE (ASS)	116
MONTAGE DU PANNEAU DE COMMANDE (ASS)	494
MONTAGE DU RÉCHAUFFEUR D'EAU DES CHEMISES (ASS)	398
MONTAGE DU TABLEAU DE BORD (ASS)	495
MOTEUR (VERSION)	1
	2
	4
	5
	6

O

Désignation	Page
OEILLETONS DE LEVAGE MOTEUR (ASS)	59
	60

P

Désignation	Page
PANNEAU DE COMMANDE (ASS)	500
	502
	504
PANNEAU DE COMMANDE (ASS)	497
PANNEAU DE COMMANDE (VERSION)	496
PANNEAU DE COMMANDE (VERSION)	496
	497
PANNEAU DE FAISCEAU (ENS) (ÉLECTRONIQUE)	508
PANNEAU (ENS)	502
PARE-POUSSIERE (FILTRE A HUILE MOTEUR)	76
PIGNONNERIE AV (ASS)	48
PISTON ET BIELLE (ASS)	69
	70
	72
PLAQUE - AVERTISSEMENT (SURFACE CHAUDE)	542
PLAQUE D'IDENTIFICATION (ASS) (BOÎTE DE DÉRIVATION)	309
	312
PLAQUE D'INSTRUCTIONS (DÉMARRAGE THERMIQUE)	442
PLAQUE SIGNALÉTIQUE (ASS) (IDENTIFICATION TABLEAU DE BORD)	507
PLAQUES SIGNALETIQUES ET AUTOCOLLANTS (ASS) (MOTEUR) (*ENGINE RATING)	653
POMPE A EAU (ASS)	121
	122
POMPE A HUILE MOTEUR (ASS)	93
	94
POMPE AUXILIAIRE D'EAU DOUCE (ASS)	118
	120
POMPE D'ALIMENTATION EN CARBURANT (ASS)	271
POMPE D'ALIMENTATION ET MONTAGE (ASS)	264
POMPE D'AMORÇAGE DE CARBURANT (ASS)	270
POMPE D'INJECTION DE CARBURANT (ASS)	265
	267
	268
PORTE-BALAIS (ENS) (DÉMARREUR)	425
	427
POULIE D'ALTERNATEUR	63
POULIE D'ENTRAÎNEMENT DE VENTILATEUR	40
	42
PREFILTRE (ASS)	195
PRÉFILTRE (ENS)	194
PROTECTION ANTI-VANDALISME DU MOTEUR (ASS)	542
PROTEGE-COURROIE (ASS)	49
	51
	52
	54
PROTÈGE-RADIATEUR (ASS)	100

R

Désignation	Page
RACCORD D'ÉCHAPPEMENT (ASS)	164

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	165
	166
	167
	168
	169
RADIATEUR - MONTAGE (ASS)	117
RADIATEUR (ASS)	124
	126
	128
	130
	132
	134
	137
RADIATEUR-CORPS (ENS)	128
REFROIDISSEUR D'HUILE MOTEUR (ASS)	95
RÉGULATEUR - ÉLECTRONIQUE (ENS)	240
	241
REGULATEUR (ASS)	242
	243
	248
REGULATEUR DE LA TENSION (ENS)	622
	623
RÉGULATEUR DE TENSION (ASS)	624
	625
	626
	627
	628
	629
	630
	631
	632
	633
RÉGULATEUR DE TENSION (ASS) (24 VOLTS)(ALTERNATEUR)	298
REGULATEUR (ENS)	239
RÉGULATEUR (ENS) (24 VOLTS) (TENSION D'ALTERNATEUR)	296
RÉGULATEUR (ENS) (24 VOLTS) (TENSION D'ALTERNATEUR)	293
RÉGULATEUR ET POMPE D'INJECTION DE CARBURANT (ASS)	272
	273
	274
	275
RELAIS (ASS)	402
RELAIS DE SURINTENSITÉ (ASS)	403
RELAIS DE TENSION (ASS)	404
	405
RELAIS (ENS) (COMMANDE EMCP)	449
RELAIS (ENS) (24 VOLTS) (DISPOSITIF D'ARRÊT DE CARBURANT)	309
	312
RELAIS SECONDAIRE (ASS)	403
RENIFLARD (ASS)	78
RENIFLARD (ENS) (CARTER)	78
RESERVOIR DE CARBURANT (ENS)	284
	285
	286
	287
	288
	289
	290
RESERVOIR DE CARBURANT ET SUPPORT (ASS)	282
RESERVOIR D'EXPANSION (ASS)	139
ROBINET-PRÉLÈVEMENT D'ÉCHANTILLON DE LIQUIDE (ASS) (HUILE MOTEUR)	76
ROTATION DE LA ROUE DU VENTILATEUR SOUFFLANT (DÉMARRAGE DE L'ECMP II+)	655
ROTATION DE LA ROUE DU VENTILATEUR SOUFFLANT (DÉMARRAGE DE L'EMCP II)	654
ROTATION DE LA ROUE DU VENTILATEUR SOUFFLANT (DÉMARRAGE ÉLECTRIQUE DIRECT)	419
ROTATION DE LA ROUE DU VENTILATEUR SOUFFLANT (DÉMARRAGE ÉLECTRIQUE DIRECT)	420
ROTATION DE LA ROUE DU VENTILATEUR SOUFFLANT (ENSEMBLE DE PRÉ-DËMARRAGE)	625
ROTATION DE LA ROUE DU VENTILATEUR SOUFFLANT (RÉGLAGE DE COMMANDE DE TENSION)	625
	627
ROTOR (ENS)	634
	635
	636
	637
	638
	639

S

SÉPARATEUR D'EAU (ASS)	279
	280
SERVO-VALVE DE RÉGULATEUR	243
SIEGE RAPPORTE (SOUPAPE) (ADMISSION)	37
SIEGE RAPPORTE (SOUPAPE) (ÉCHAPPEMENT)	37
SILENCIEUX	185
	186
	187
SILENCIEUX (ASS)	188
	189

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDEX

Désignation	Page
	190
SOLÉNOÏDE (ARRÊT)	414
SOLÉNOÏDE D'ARRÊT (ASS)	416
	418
SOLÉNOÏDE (ENS) (24 VOLTS) (DÉMARREUR)	425
	427
SOLÉNOÏDE (ENS) (24 VOLTS) (DÉMARREUR)	422
SONDE (ENS) (PRESSION D'HUILE)	358
SONDE THERMIQUE (EAU)	358
SOUPAPE - RENIFLARD (SÉPARATEUR D'EAU)	279
SOUPAPE D'ADMISSION (CULASSE)	33
SOUPAPE D'ÉCHAPPEMENT (CULASSE)	33
SUPPORT DE BATTERIE (ASS)	429
	430
	431
	433
	435
SUPPORT DE FILTRE À HUILE (ASS)	76
	77
SUPPORT DE MONTAGE (ASS)	65
SUPPORT DE MOTEUR (ASS)	74
SUPPORT DE RÉSERVOIR DE CARBURANT (ENS)	209
SUPPORT (ENS) (DÉMARREUR)	422
*SWITCH AS	437
	438
*SWITCH AS (ÉTAT DU DISJONCTEUR)	440
*SWITCH AS (ÉTAT DU DISJONCTEUR À DISTANCE)	440
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440

T

Désignation	Page
TABLEAU - PANNEAU DE COMMANDE	643
TABLEAU - PLAQUE ET AUTOCOLLANT	653
TABLEAU DE BORD (ASS)	513
	515
	517
	518
	519
	520
	521
	522
	523
TABLEAU ÉLECTRONIQUE (ASS)	506
	507
	512
TAMIS DE CLOCHE (ENS) (HUILE MOTEUR)	88
TÉMOIN (TEMPÉRATURE DE L'EAU)	513
	515
THERMOCONTACT (ENS)	439
THERMOCONTACT (ENS) (AVERTISSEUR DE BASSE TEMPÉRATURE D'EAU)	444
THERMOCONTACT (ENS) (ENCLENCHEMENT DE L'AUXILIAIRE DE DÉMARRAGE À L'ÉTHER)	419
	420
THERMOSTAT (ENS) (RÉCHAUFFEUR D'EAU) (20 À 80 DEGRÉS C)	380
THERMOSTAT-TEMPÉRATURE D'EAU (92 DEGRÉS C)	111
THERMOSTAT-TEMPÉRATURE D'EAU (92 DEGRÉS C) (RÉSERVOIR D'EXPANSION)	139
TRANSFORMATEUR	640
TRANSFORMATEUR DE COURANT (ASS)	641
	642
TURBOCOMPRESSEUR - CARTOUCHE (ASS)	154
	156
TURBOCOMPRESSEUR - CARTOUCHE (ASS)	204
TURBOCOMPRESSEUR (ASS)	200
	201
	202
	203
	204
	205
TUYAUX FLEXIBLES DE CARBURANT (ASS)	251
	252

V

Désignation	Page
VENTILATEUR ASPIRANT (ASS)	99
VENTILATEUR SOUFFLANT (ASS)	97
	98
VENTILATEUR SOUFFLANT (ENS) (6 LAMES)	97
VILEBREQUIN (ASS)	21
VOLANT MOTEUR (ASS)	47
VUE DU MODÈLE	7
	8
	9
	10
	11

W

Désignation	Page
*WIRING GP-PANEL	448

* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

INDICE

Nombre	Página

A

ACCESORIOS - IMPULSOR DE (GR) 39
ACCIONADOR DEL REGULADOR (CONJ) 206
207
208
ACOPLAMIENTO DEL GENERADOR (GR) 13
14
ADAPTADOR DE ESCAPE (CONJ) 142
143
ADAPTADOR DE LOS CANALES DEL ESTREMO DE LA BASE (GR) 528
ADAPTADOR DEL FILTRO DE AIRE (GR) 144
AGUA DE LAS CAMISAS - CALENTADOR DEL (GR) 381
382
383
AGUA DE LAS CAMISAS - CALENTADOR DEL (GR) 380
AIRE - TUBERÍAS DE (GR) 175
176
177
ALETA DE VENTILADOR SOPLADOR (6 ASPAS) 97
AMORTIGUADOR Y POLEA (GR) 38
ANTEFILTRO (CONJ) 194
ANTEFILTRO (GR) 195
ÁRBOL DE LEVAS (GR) 12
ARRANQUE - INTERRUPTOR DE (GR) 443
ASIENTO DE VÁLVULA-CASQUILLO (ADMISIÓN) 37
ASIENTO DE VÁLVULA-CASQUILLO (ESCAPE) 37
ATOMIZADOR DE ETER (CONJ) 419
AUXILIAR DE ARRANQUE CON ÉTER (GR) 420
AUXILIAR DE ARRANQUE CON ÉTER (GR) 419

B

BALANCÍN (GR) 73
BARRA COLECTORA NEUTRAL (CONJ) 400
401
BARRA DE TIERRA (GR) 508
BASE DEL MOTOR Y GENERADOR (GR) 529
530
531
533
BASE DEL TANQUE DE COMBUSTIBLE (CONJ) 209
BATERÍA (GR) 304
305
306
BATERÍA (GR) (12 VOLTIOS) 304
BATERÍA (LIBRE DE MANTENIMIENTO) (12 V) 306
BATERÍA (LITIO) (3 VOLTIOS) 493
BATERÍA (12 VOLTIOS) 305
BLOQUE MOTOR (CONJ) 22
BLOQUE MOTOR (GR) 23
25
27
29
31
BOMBA AUXILIAR DE AGUA DULCE (GR) 118
120
BOMBA DE ACEITE DEL MOTOR (GR) 93
94
BOMBA DE AGUA (GR) 121
122
BOMBA DE CEBADO DE COMBUSTIBLE (GR) 270
BOMBA DE CEBADO DE COMBUSTIBLE (GR) 270
BOMBA DE INYECCIÓN DE COMBUSTIBLE (GR) 265
267
268
BOMBA DE TRANSFERENCIA DE COMBUSTIBLE (GR) 271
BOMBA DE TRANSFERENCIA DE COMBUSTIBLE Y MONTAJE (GR) 264
BRIDA 170
BRIDA DE ESCAPE (GR) 171
172
173

C

CABLE DE LA BATERÍA (GR) 319
CABLE DE LA EXTENSIÓN (CONJ) 317
318
CABLE DE TIERRA DEL GENERADOR (GR) . . . 544
545
CAJA DE EMPALMES (GR) 309
312
314
316
CAJA DE LA BOMBA DE COMBUSTIBLE (GR) 265
CAJA DE TERMINAL DE EXTENSIÓN (GR) 307
308
CAJA DELANTERA - TORNILLERÍA DE LA (GR) 46
CAJA DELANTERA (GR) 57
CAJA Y MANDO DE REGULADOR (CONJ) 250
CALCOMANIA, BANDA TERMINAL 400

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
	401
	552
CALCOMANÍA (BANDA TERMINAL)	320
	321
	322
	323
	324
	325
	335
	338
	340
	341
	342
	343
	344
	345
	348
CALCOMANÍA (CALCOMANIA)	450
CALCOMANIA, CONEXIÓN (RESISTENCIA DE CALOR)	658
CALCOMANÍA DE ADVERTENCIA (ACESO DE PARADA SECUNDARIA)	654
	655
CALCOMANÍA DE ADVERTENCIA (AJUSTE, CONTROL DE VOLTAJE)	627
CALCOMANÍA DE ADVERTENCIA (AJUSTE, CONTROL DE VOLTAJE)	625
CALCOMANÍA DE ADVERTENCIA (ARRANQUE CMP II+)	655
CALCOMANÍA DE ADVERTENCIA (ARRANQUE ELECTRICO)	420
CALCOMANÍA DE ADVERTENCIA (ARRANQUE ELECTRICO)	419
CALCOMANÍA DE ADVERTENCIA (DESCARGA ELECTRICA)	498
	500
	502
	504
	507
CALCOMANÍA DE ADVERTENCIA (*ECMP II STARTING)	654
CALCOMANÍA DE ADVERTENCIA (PAQUETE DE PREARRANQUE)	625
CALCOMANÍA DE IDENTIFICACIÓN (CABLES DE TABLERO DE CONTROL)	498
	500
	502
	504
	508
CALCOMANÍA DE IDENTIFICACIÓN (FUSIBLE DE 20 AMPERIOS, CORRIENTE DIRECTA)	417
CALCOMANÍA DE IDENTIFICACIÓN (FUSIBLE, 10 A CORRIENTE DIRECTA)	363
	417
	498
	500
	502
	504
CALCOMANÍA DE IDENTIFICACIÓN (FUSIBLE, 10 A CORRIENTE DIRECTA)	241
CALCOMANÍA DE IDENTIFICACIÓN (FUSIBLE, 10 A CORRIENTE DIRECTA)	508
CALCOMANÍA DE IDENTIFICACIÓN (FUSIBLE, 2A CORRIENTE DIRECTA)	498
	500
	502
	504
	508
CALCOMANÍA DE IDENTIFICACIÓN (FUSIBLE, 20 AMPERIOS CORRIENTE DIRECTA)	213
CALCOMANÍA DE IDENTIFICACIÓN (MODULO DE INTERFAZ CON CLIENTES)	482
CALCOMANÍA DE IDENTIFICACIÓN (RETORNO DE POTENCIA)	498
	500
	502
	504
CALCOMANÍA DE IDENTIFICACIÓN (TABLERO DE CONTROL)	498
	500
	502
	504
CALCOMANIA, EMCP II	498
	500
CALCOMANIA, EMCP II (GRÁFICO/TEXTO)	465
CALCOMANÍA (INSTRUCCION) (PRE - ARANQUE)(CONTROL DE VOLTAJE)	626
	629
CALCOMANIA, INTERFAZ (MODULO DE COMUNICACIÓN)	493
CALCOMANIA (TABLERO DE CONTROL)	451
	452
	453
CALCOMANÍA (TIRA DE TERMINAL)	336
	337
	339
CALCOMANÍAS Y PLACAS DE IDENTIFICACIÓN (GR) (MOTOR) (*ENGINE RATING)	653
CÁNCAMOS DE LEVANTAMIENTO DEL MOTOR (GR)	59
	60
CARGA - ALTERNADOR DE (GR)	293
	296
	298
CARGADOR DE BATERÍA	300
	301

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
	302
	303
CÁRTER - COLECTOR DEL (GR)	66
	67
	68
CIERRE MANUAL (GR)	281
CIGÜEÑAL (GR)	21
CILINDRO DE ÉTER (CONJ)	419
	420
CODO DE ESCAPE	162
	163
CODO DE ESCAPE (GR)	158
	159
	160
	161
COMBUSTIBLE - MANÓMETRO DEL (GR)	469
COMBUSTIBLE - TUBERIAS FLEXIBLES DE	251
	252
COMPARTIMENTO DEL GENERADOR(GR)	537
	539
	540
	541
COMPARTIMIENTO (GR)	536
CONEXIÓN-ALIVIO (MANDO DE VENTILADOR)	44
CONEXION DE CONDUCTORES DE GENERADOR (GR)	546
	548
	549
	551
CONEXIÓN DE ENGRASE (MANDO DE VENTILADOR)	40
	42
	44
CONEXIÓN DE ENGRASE (ROSCA DE 1/8-27) (MANDO DE VENTILADOR)	40
	42
CONEXIÓN DE ESCAPE (GR)	164
CONEXIÓN DE ESCAPE (GR)	165
	166
	167
	168
	169
CONEXION DE TIRA DE TERMINALES (GR)	552
CONEXIÓN ELÉCTRICA (GR)	350
	352
	354
	355
CONFIGURACIÓN DE MOTORES	1
	2
	4
	5
	6
CONFIGURACIÓN GENERAL	7
	8
	9
	10
	11
CONTACTOR DE ALARMA (GR)	359
CONTACTOR DE ALARMA (GR)	360
CONTACTOR DE LA TEMPERATURA DE AGUA (CONJ)	357
CONTACTOR (GR)	358
CONTROL DE COMBUSTIBLE	213
CONTROL DE PAR (GR)	291
	292
CONTROL DE REGULADOR (GR)	214
	215
	217
	218
	219
	220
CONTROL DEL MÓDULO DE ALARMA (GR)	455
CONTROL DEL MÓDULO DE ALARMA (GR)	456
	457
	458
	459
CONTROL DEL MÓDULO DE ALARMA (GR)	452
	453
	454
CONTROL DEL MÓDULO DE ALARMA (GR)	450
	451
CONTROL DEL REGULADOR (CONJ)	210
	211
	212
CONTROL ELECTRÓNICO DE CLASIFICACIÓN DE MOTOR (GR)	361
CONTROL ELECTRÓNICO DE MONITOREO DEL MOTOR (GR)	468
CONTROL ELECTRONICO DEL EMCP (CONFIG)	449
CONTROL ELECTRÓNICO DEL EMCP (GR)	460
	461
	462
	463
	464
	465
	466
	467
	468
CONTROL ELECTRÓNICO DEL EMCP (GR) (RELE)	463
CONTROL GR-SOLENOIDE	363
CONTROL MANUAL DE VOLTAJE (GR)	363
CONTROL MANUAL DE VOLTAJE (GR)	362
*CONVERSION AR-FAST FILL	653

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
CORREA TRAPEZOIDAL (ALTERNADOR)	61
	63
CORTE DE AIRE (GR)	198
CORTE ELÉCTRICO (GR)	414
	415
	416
	417
CUBIERTA DEL FILTRO DE AIRE (CONJ)	174
CULATA DE CILINDROS (GR)	34
	36
	37
CULATA DE CILINDROS (GR)	32
	33

D

DETECTOR (CONJ) (PRESIÓN DEL ACEITE)	358
DETECTOR DE TEMPERATURA (AGUA)	358
DIODO (GR)	366
DISYUNTOR (CONJ) (10 A) (CIRCUITO LÓGICO)	309
	312
DISYUNTOR (CONJ) (12,5 AMP)	500
	502
	504
DISYUNTOR (CONJ) (12,5 AMP)	508
DISYUNTOR (CONJ) (12,5 AMP)	497
DISYUNTOR (CONJ) (12,5 AMP)	314
DISYUNTOR DE CIRCUITO (GR)	320
	321
	322
	323
	324
	325
	326
	327
	328
	329
	330
	331
	332
	333
	334
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	346
	347
	348
	349
DISYUNTOR DE CIRCUITO (GR) (1000 AMP)	321
DISYUNTOR DE CIRCUITO (GR) (1200 AMP)	322
DISYUNTOR DE CIRCUITO (GR) (20 A)	498
	500
	502
	504
DISYUNTOR DE CIRCUITO (GR) (20 A) (SOLENOIDE DE DESCONEXIÓN DEL COMBUSTIBLE)	309
	312
DISYUNTOR DE CIRCUITO (GR) (700 AMPERIOS)	321
DISYUNTOR DE CIRCUITO (GR) (800 AMPERIOS)	320
	321
	323
DISYUNTOR (320-400 AMPERIOS, DISPARO AJUSTABLE)	346
DISYUNTOR (500-630 AMPERIOS)(DISPARO AJUSTABLE)	347
DISYUNTOR (60 AMP)	385
DISYUNTOR (60 AMP)	314

E

ELEMENTO (CONJ) (SEPARADOR DE COMBUSTIBLE/AGUA)	279
ELEMENTO DEL FILTRO DE COMBUSTIBLE (PRIMARIO)	235
ELEMENTO PRIMARIO (CONJ)	149
	152
ELEMENTO SECUNDARIO (CONJ)	149
EMPAQUETADURA (BOMBA DE CEBADO DE COMBUSTIBLE)	270
EMPAQUETADURA (COLECTOR DE ACEITE)	66
EMPAQUETADURA, TAPA DE REGULADOR	111
EMPAQUETADURA, TAPA DE REGULADOR (TANQUE DE EXPANSION)	139
ENFRIADOR DE ACEITE DEL MOTOR (GR)	95
ENGRANAJE DELANTERO (GR)	48
ESCAPE DE GASES (GR)	83
ESCOBILLA (CONJ) (ALTERNADOR)	298
ETIQUETA DE ADVERTENCIA (GR) (IDENTIFICACIÓN, TABLERO DE CONTROL)	507

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
F	
FILTRO DE ACEITE - BASE DEL (GR)	76
	77
FILTRO DE ACEITE DEL MOTOR (CONJ)	81
FILTRO DE ACEITE DEL MOTOR (GR)	81
	82
FILTRO DE AIRE	148
FILTRO DE AIRE (GR)	147
	148
	149
	150
	151
	152
FILTRO DE COMBUSTIBLE (CONJ) (ALTA EFICIENCIA)	234
FILTRO DE COMBUSTIBLE (GR)	234
	235
	236
	237
FILTRO DE LA BOMBA DE AGUA	122
FILTRO PRIMARIO DE COMBUSTIBLE (GR)	238
FILTRO (TAPA DE TANQUE DE COMB.)	282
FUSIBLE DE CERAMICO (10 A)	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
	617
FUSIBLE (0,75 AMPERIOS)	240
FUSIBLE (1 AMP.)	384
	468
FUSIBLE (10 A)	241
	363
	417
	498
	500
	502
	504
	508
FUSIBLE (12 AMPERIOS)	362
	622
	623
	624
	632
FUSIBLE (2 A)	239
	498
	500
	502
	505
	508
FUSIBLE (20 A)	213
	417
G	
GENERADOR (CONFIG)	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
GENERADOR (GR)	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
GRUPO DE PLACA, IDENTIFICACIÓN (CAJA DE EMPALMES)	309
	312
GRUPO DE SUJECION DE LA CAJA DE TERMINALES	369
	370

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
GRUPO DE TAPA, ACCESO	555 556
H	
*HARNESS AS-PANEL	379
*HARNESS AS-PANEL (ELECTRONICO)	508
I	
IMPULSOR DE VENTILADOR (GR)	40 42 44
INDICADOR (CONJ) (PRESION DE ACEITE DE MOTOR)	513 515
INDICADOR DE PRESION DEL COMBUSTIBLE	469 513 515
INDICADOR DE SERVICIO DEL FILTRO DE AIRE	147 150 151
INDICADOR DEL NIVEL DE ACEITE (VARILLA) (GR)	84 85 86 87
INDICADOR DEL NIVEL DEL ACEITE (VARILLA) (CONJ)	84 85 86 87
INDICADOR (TEMPERATURA DEL AGUA)	513 515
INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	103 105 106
INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	101
INTERRUPTOR AUXILIAR (CONJ) (ALARMA DE DISYUNTOR)	441
INTERRUPTOR AUXILIAR (CONJ) (INDICADOR DE POSICIÓN DE FRENOS)	440
INTERRUPTOR AUXILIAR (CONJ) (POSICION DE DISYUNTOR)	441
INTERRUPTOR (CONJ)	441
INTERRUPTOR (CONJ) (AUXILIAR DE ÉTER CON./DESC.)	419 420
INTERRUPTOR (CONJ) (PRESIÓN DE COMBUSTIBLE)	219 220
INTERRUPTOR DE ARRANQUE DEL MOTOR (GR) (4 POSICIÓNES)	508
INTERRUPTOR DE ARRANQUE DEL MOTOR (GR) (4 POSICIÓNES)	501 503 505
INTERRUPTOR DE ARRANQUE DEL MOTOR (GR) (4 POSICIÓNES) (CONTROL DEL MOTOR)	499
INTERRUPTOR DE PRESIÓN (CONJ) (ACEITE)	358
INTERRUPTOR DE PRESIÓN (CONJ) (ACEITE DEL MOTOR)	359 360
INTERRUPTOR DE PRESIÓN (CONJ) (ACEITE DEL MOTOR)	309 312
INTERRUPTOR DE TEMPERATURA (CONJ)	439
INTERRUPTOR DE TEMPERATURA (CONJ) (ALARMA DE TEMPERATURA BAJA DE AGUA)	444
INTERRUPTOR DE TEMPERATURA (CONJ) (ARMADO DE AUXILIAR DE ÉTER)	419 420
INTERRUPTOR DE VOLQUETE (AUXILIAR DE ARRANQUE)	446
INTERRUPTOR DE VOLQUETE (CONJ) (ARRANQUE ASISTIDO/ ACTIVO-MOMENTANEO- INACTIVO)	447
INTERRUPTOR DE VOLQUETE (CONJ) (AUXILIAR DE ARRANQUE)	446
INTERRUPTOR DE VOLQUETE (CONTROL DE SINCRONIZACIÓN DE LUCES)	484 485
INTERRUPTOR DE VOLQUETE (GR)	447
INTERRUPTOR DE VOLQUETE (GR) (UN SOLO POLO) (LUCES DE TABLERO)	499 501 503 505
INTERRUPTOR DE VOLQUETE (GR) (UN SOLO POLO) (LUCES DE TABLERO)	508
INTERRUPTOR DE VOLQUETE (GR) (UN SOLO POLO) (LUCES DEL TABLERO)	506 512
INTERRUPTOR DE VOLQUETE (GR) (2 POLOS) (REGULADOR)	441
INTERRUPTOR DEL DETECTOR (FUGA)	284 286 287

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
	288
INTERRUPTOR DEL REGULADOR (GR)	441
INTERRUPTOR DEL SISTEMA DE COMBUSTIBLE (NIVEL BAJO DE COMBUSTIBLE)	285 287
INTERRUPTOR (GR)	446
INTERRUPTOR GR-MOTOR	441
INTERRUPTOR MAGNÉTICO (CONJ) (MOTOR DE ARRANQUE)	508
INTERRUPTOR MAGNÉTICO (CONJ) (24 VOLTIOS) (MOTOR DE ARRANQUE)	314
INTERRUPTOR MAGNÉTICO (CONJ) (24 VOLTIOS) (MOTOR DE ARRANQUE DOBLE)	499 501 503 505
INTERRUPTOR PARA EL NIVEL DE LÍQUIDO (COMBUSTIBLE BAJO)	284 285 286 287 288
INTERRUPTOR PARA LA TEMPERATURA (GR)	444 445
INTERRUPTOR PARA LA TEMPERATURA (GR) (AGUA)	358
INTERRUPTOR (PRUEBA DE LAMPARA)	459
INTERRUPTOR (PRUEBA DEL TABLERO)	451
INTERRUPTOR PULSADOR (CONJ) (OPERADOR) (PARADA SECUNDARIA)	309 312
INTERRUPTOR PULSADOR (CONJ) (PARADA SECUNDARIA)	417
INTERRUPTOR PULSADOR (CONJ) (PARADA SECUNDARIA)	508
INTERRUPTOR PULSADOR (CONJ) (PRUEBA DE LAMPARA)	454
INTERRUPTOR PULSADOR (CONJ) (SILENCIADOR DE ALARMA)	454
INTERRUPTOR (SILENCIADOR DE ALARMA)	518
INTERRUPTOR TÉRMICO DE ARRANQUE (GR)	442
INTERRUPTOR (*VOLTAGE CONTROL)(MAN/OFF/AUTO)	362

J

JUEGO (AISLADOR) (MOTOR DE ARRANQUE)	425 427
JUEGO DE ABRAZADERA DEL FILTRO DE AIRE	148
JUEGO DE ABRAZADERA DEL FILTRO DE AIRE (INCLUYE CONJUNTO DE GRAPA Y REMACHE)	144
JUEGO DE ARANDELA (MOTOR DE ARRANQUE)	422
JUEGO DE BUJES (MOTOR DE ARRANQUE)	425 427
JUEGO DE CALENTADOR	658
JUEGO DE COJINETES (MOTOR DE ARRANQUE)	422
JUEGO DE CORREAS TRAPEZOIDALES (INCLUYE 2 CORREAS) (MANDO DE VENTILADOR)	42
JUEGO DE CORREAS TRAPEZOIDALES (INCLUYE 3 CORREAS) (MANDO DE VENTILADOR)	40 44
JUEGO DE EJE DE CAIDA (REGULADOR)	248
JUEGO DE EMPAQUETADURA (BOMBA DE AGUA)	122
JUEGO DE ENCHUFE (2 CLAVIJAS)	376
JUEGO DE ENCHUFE (2 CLAVIJAS) (ALAMBRADO DEL MAZO DE CABLES)	448
JUEGO DE ENCHUFE (2 CLAVIJAS) (CABLERIA DEL TABLERO DE CONTROL)	496 497
JUEGO DE ENCHUFE (2 CLAVIJAS) (NIVEL BAJO DE COMBUSTIBLE)	377
JUEGO DE ENCHUFE (2 CLAVIJAS) (RECIPIENTE PARA RUPTURA DE COMBUSTIBLE)	377
JUEGO DE ENCHUFE (3 CLAVIJAS)	376
JUEGO DE ENCHUFE (3 CLAVIJAS) (ALAMBRADO DEL MAZO DE CABLES)	448
JUEGO DE ENCHUFE (3-CLAVIJAS) (CABLERIA DEL TABLERO DE CONTROL)	496 497
JUEGO DE ENCHUFE (3-CLAVIJAS) (*ELECTRONIC PANEL DC HARNESS)	507
JUEGO DE ENCHUFE (3-CLAVIJAS) (*ELEK PANEL ENGINE HARNESS)	507
JUEGO DE ENCHUFE (3 CLAVIJAS) (SENSOR DE PERDIDA DE REFRIGERANTE DE MOTOR)	376
JUEGO DE ENCHUFE (3-CLAVIJAS) (TABLERO DE CONTROL)	498 500 503 505
JUEGO DE ENCHUFE (4 CLAVIJAS)	376

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
JUEGO DE ENCHUFE (6 CLAVIJAS) (ALAMBRADO DEL MAZO DE CABLES)	448
JUEGO DE ENCHUFE (6-CLAVIJAS) (*ELEK PANEL ENGINE HARNESS)	507
JUEGO DE ENCHUFE (6-CLAVIJAS) (TABLERO DE CONTROL)	498 500 503 505
JUEGO DE ENCHUFE (8 CLAVIJAS) (*EMCP CONTROL)	462
JUEGO DE ENCHUFE (8-CLAVIJAS) (*EMCP ELECTRONIC CONTROL)	460
JUEGO DE ESCOBILLAS (MOTOR DE ARRANQUE)	425
JUEGO DE ESCOBILLAS (MOTOR DE ARRANQUE)	422 427
JUEGO DE FILTRO DE INTERFER. DE FRECUENCIA DE RADIO	657
JUEGO DE INSTALACIÓN DEL TABLERO DE CONTROL	654 655
JUEGO DE MEDIDOR DE SERVICIO	470 471
JUEGO DE NÚCLEO (TURBOALIMENTADOR)	154 156
JUEGO DE PALANCA (MOTOR DE ARRANQUE)	427
JUEGO DE PALANCA (MOTOR DE ARRANQUE)	425
JUEGO DE PASADOR DEL MOTOR DE ARRANQUE	422
JUEGO DE PISTON DE REGULADOR	248
JUEGO DE RECEPTÁCULO (2 CLAVIJAS)	376
JUEGO DE RECEPTÁCULO (2 CLAVIJAS) (ALAMBRADO DEL MAZO DE CABLES)	448
JUEGO DE RECEPTÁCULO (2 CLAVIJAS) (NIVEL ALTO DE COMBUSTIBLE)	377
JUEGO DE RECEPTÁCULO (2 CLAVIJAS) (RECIPIENTE PARA RUPTURA DE COMBUSTIBLE)	377
JUEGO DE RECEPTÁCULO (2 CLAVIJAS) (SENSOR DE VELOCIDAD DEL MOTOR)	411
JUEGO DE RECEPTÁCULO (3 CLAVIJAS)	376
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (ACCIONADOR DE MANDO ELECTRONICO)	377
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (ALAMBRADO DEL MAZO DE CABLES)	448
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (*ELEC GOVERNOR ACTUATOR HARNESS)	378
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (*EMCP ELECTRONIC CONTROL)	461
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (INSTALACIÓN DE TAABLERO DE CONTROLN)	654 655
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (SENSOR DE PERDIDA DE REFRIGERANTE)	406 407
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (SENSOR DE PERDIDA DE REFRIGERANTE DE MOTOR)	376
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (SENSOR DE PRESION DE ACEITE DE MOTOR)	408 409
JUEGO DE RECEPTÁCULO (3 CLAVIJAS) (SENSOR DE TEMPERATURA)	413
JUEGO DE RECEPTÁCULO (4 CLAVIJAS)	376
JUEGO DE RECEPTÁCULO (4 CLAVIJAS) (CARGADOR DE BATERIA)	376
JUEGO DE RECEPTÁCULO (4 CLAVIJAS) (NIVEL DE GASOLINA ALTO/BAJO)	377
JUEGO DE RECEPTÁCULO (6 CLAVIJAS)	376 654
JUEGO DE RECEPTÁCULO (6 CLAVIJAS) (ALAMBRADO DEL MAZO DE CABLES)	448
JUEGO DE RECEPTÁCULO (6 CLAVIJAS) (INSTALACIÓN DE TAABLERO DE CONTROLN)	654 655
JUEGO DE RECEPTÁCULO (8 CLAVIJAS) (*ELEK PANEL ENGINE HARNESS)	507
JUEGO DE RECEPTÁCULO (8 CLAVIJAS) (TABLERO DE CONTROL)	498 500 503 505
JUEGO DE RECONSTRUCCIÓN DE LA BOMBA (AGUA)	122
JUEGO DE REPARACION DE TAPA (REGULADOR)	248
JUEGO DE REPARACION DE TAPON (REGULADOR)	248
JUEGO DE REPARACION DEL REGULADOR	248
JUEGO DE REPARACIÓN (TUBERÍAS DEL FRENO) (REGULADOR)	248
JUEGO DE RESORTE AMORTIGUADOR (REGULADOR)	248

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
JUEGO DE SELLO DEL MOTOR DE ARRANQUE	422
JUEGO DE TERMINAL (ALTERNADOR)	298
JUEGO DE TERMINAL DE RELÉ (ALTERNADOR)	293 296
JUEGO DE TERMINAL DE SALIDA (ALTERNADOR)	293 296
JUEGO DE TERMINAL (DISYUNTOR)	328 329 330 331 332 333 334
JUEGO DE TOPE DE CONTROL DE REGULADOR	248
JUEGO DE TORNILLERÍA (ALTERNADOR)	298
JUEGO DE TORNILLERÍA (MOTOR DE ARRANQUE)	422
JUEGO DE VÁLVULA DE ALIVIO (REGULADOR)	248
JUEGO DE VALVULA DE REGULADOR	248
JUEGO DE VARILLAJE DE REGULADOR	248
JUNTA DEL COLECTOR DEL CARTER	67

L

LÁMPARA (CONJ) (ROJO)	518
LÁMPARA (CONJ) (VERDE)	518
LÁMPARA (CONJ) (120 VOLTIOS/3 VATIOS)	498 500 503 505
LÁMPARA (CONJ) (120 VOLTIOS/3 VATIOS) (LUCES DE TABLERO)	508
LÁMPARA (CONJ) (3 VATIOS) (SERVICIO)	506 512
LÁMPARA (TRANSPARENTE)	518
LÁMPARA (120 VOLTIOS, 6 VATIOS)	485
LÁMPARA (24 VOLTIOS)	498 500 503 505 508
LÁMPARA (24 VOLTIOS) (SERVICIO)	506 512
LÁMPARA (6 VATIOS)	484
LLENADOR (CONJ) (ACEITE DEL MOTOR)	80

M

MANDO DE REG. Y BOMBA DE INYEC. DE COMBUST. (GR)	277 278
MANDO DE REGULADOR (GR)	222
MANDO DE REGULADOR Y BOMBA DE COMBUSTIBLE (GR)	225 227
MANDO DE TACÓMETRO (GR)	228
MAZO DE CABLES	376 377 378
MAZO DE CABLES (CAJA DE EMPALMES)	309
MAZO DE CABLES (CAJA DE EMPALMES)	312
MAZO DE CABLES (*DC)(ELECTRONIC PANEL)	507
MAZO DE CABLES DEL MOTOR (CONJ) (*ELECTRONIC PANEL)	507
MAZO DE CABLES (*ELECTRONIC PANEL AS HARNESS)	507
MAZO DE CABLES (*MANUAL VOLTAGE CONTROL)(NO. 1)	362
MAZO DE CABLES (*MANUAL VOLTAGE CONTROL)(NO. 2)	362
MAZO DE CABLES (REGULADOR)	508
MECANISMO DE VÁLVULAS (GR)	75
MEDIDOR DE NIVEL DE COMBUSTIBLE	284 285 286 287 288
MEDIDOR DE SERVICIO (GR)	470 471
MODULO DE ALARMA (GR)	472 473 474 475 476 477 478 479 480 481
MODULO DE INTERFAZ (GR)	384
MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	484 485 487 488 489 490 491

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
MODULO DE RELES DEL PUESTO DEL OPERADOR (GR)	483
MODULO DE RELES DEL PUESTO DEL OPERADOR (GR)	482
MODULO DEL SISTEMA DE COMUNICACION (GR)	492
	493
MONTAJE DE CONTACTOR (GR)	393
	394
	396
	397
MONTAJE DE INTERCAMBIADOR DE CALOR (GR)	116
MONTAJE DEL ACCIONADOR DEL REGULADOR (GR)	263
MONTAJE DEL ACTIVADOR (GR)	526
MONTAJE DEL ALTERNADOR (GR)	61
	63
MONTAJE DEL CALENT. DE AGUA DE LAS CAMISAS (GR)	398
MONTAJE DEL DISYUNTOR (GR)	385
	386
	388
	389
	390
	391
	392
MONTAJE DEL FILTRO DE AIRE (GR)	181
MONTAJE DEL RADIADOR (GR)	117
MONTAJE DEL REGULADOR DE VOLTAJE (GR)	621
MONTAJE DEL SILENCIADOR (GR)	182
	183
	184
MONTAJE DEL TABLERO DE CONTROL (GR)	494
MONTAJE DEL TABLERO DE INSTRUMENTOS (GR)	495
MOTOR - SOPORTE DEL (GR)	74
MOTOR DE ARRANQUE ELÉCTRICO (GR)	424
	425
	427
MOTOR DE ARRANQUE ELÉCTRICO (GR)	421
	422
MULTIPLE - PROTECTOR DEL	196
MÚLTIPLE DE ADMISIÓN (GR)	180
MÚLTIPLE DE ESCAPE (GR)	178
	179

N

Nombre	Página
NUCLEO (CONJ) (ENFRIADOR DE ACEITE DE MOTOR)	95
NUCLEO (CONJ) (INTERCAMBIADOR DE CALOR)	103
NUCLEO DE RADIADOR (CONJ)	128
NÚCLEO DE TURBOCOMPRESOR (GR)	156
	204
NÚCLEO DE TURBOCOMPRESOR (GR)	154

P

Nombre	Página
*PANEL AS	502
PANEL DE CONTROL (GR)	497
	500
	502
	504
PANTALLA (CONJ) (BOMBA DE MANDO E INYECCIÓN DE COMBUSTIBLE)	275
PELICULA, CABLERIA DE GENERADOR	388
	391
	392
	552
PISTÓN Y BIELA (GR)	69
	70
	72
PLACA DE ADVERTENCIA (SUPERFICIE CALIENTE)	542
PLACA DE INFORMACION (*SYMBOL DESCRIPTION)	654
	655
PLACA DE INSTRUCCIONES (ARRANQUE DE CALOR)	442
PLACA DEL TABLERO (INSTRUMENTO)	518
PLACA INDICADOR (AUXILIAR DE ARRANQUE)	419
	420
PLACA INDICATIVA (MODULO DE COMUNICACIÓN)	493
POLEA DEL ALTERNADOR	63
POLEA DEL MANDO DEL VENTILADOR	40
	42
PORTAESCOBILLAS (CONJ) (MOTOR DE ARRANQUE)	425
	427
POSENFRIADOR DE AGUA (GR)	145
PROTECTOR DE CORREA (GR)	49
	51
	52
	54
PROTECTOR DEL AMORTIGUADOR DE VIBRACIONES (GR)	55
PROTECTOR DEL MOTOR (GR)	542
PROTECTOR DEL RADIADOR (GR)	100

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página

R

RADIADOR (GR) 124, 126, 128, 130, 132, 134, 137
RECINTO DEL SELLO (GR) 524
REGULADOR (CONJ) 239
REGULADOR (CONJ) (24 VOLTIOS) (VOLTAJE DEL ALTERNADOR) 293, 296
REGULADOR DE TEMPERATURA DEL AGUA (92 GR C) 111
REGULADOR DE TEMPERATURA DEL AGUA (92 GR C) (TANQUE DE EXPANSION) 139
REGULADOR DE VOLTAJE 622, 623
REGULADOR DE VOLTAJE (GR) 624, 625, 626, 628, 629
REGULADOR DE VOLTAJE (GR) 627, 630, 631, 632, 633
REGULADOR DE VOLTAJE (GR) (24 VOLTIOS)(ALTERNADOR) 298
REGULADOR ELECTRÓNICO (CONJ) 240, 241
REGULADOR (GR) 242, 243, 248
REGULADOR Y BOMBA DE INYECCIÓN DE COMBUSTIBLE (GR) 272, 273, 274, 275
REJILLA ACAMPANADA (CONJ) (ACEITE DEL MOTOR) 88
RELÉ AUXILIAR (GR) 403
RELÉ (CONJ) (*EMCP CONTROL) 449
RELÉ (CONJ) (24 VOLTIOS) (VALVULA DE CORTE DE COMBUSTIBLE) . . . 309, 312
RELE DE SOBRECORRIENTE (GR) 403
RELE DE VOLTAGE (GR) 404, 405
RELÉ (GR) 402
RESPIRADERO (CONJ) (CÁRTER DEL MOTOR) 78
RESPIRADERO (GR) 78
ROTOR (CONJ) 634, 635, 636, 637, 638, 639

S

SELLO DE CIGÜEÑAL (GR) 21
SENSOR DE PRESIÓN (GR) 408, 409
SENSOR DE PRESIÓN (GR) (ACEITE DEL MOTOR) 361, 654, 655
SENSOR DE PRESIÓN (GR) (ACEITE DEL MOTOR) 468
SENSOR DE TEMPERATURA (GR) 413
SENSOR DE TEMPERATURA (GR) (AGUA) 468
SENSOR DE TEMPERATURA (GR) (REFRIGERANTE DEL MOTOR) 361
SENSOR DE TEMPERATURA (GR) (REFRIGERANTE DEL MOTOR) 654, 655
SENSOR DE VELOCIDAD (GR) 410, 411, 412
SENSOR DE VELOCIDAD (GR) (MOTOR) 412
SENSOR DE VELOCIDAD (GR) (MOTOR/MAGNETICO/SALIDA BAJA) 411
SENSOR DEL NIVEL DE LÍQUIDO 406, 407
SENSOR DEL NIVEL DE LÍQUIDO (REFRIGERANTE DEL MOTOR) 654, 655
SEPARADOR DE AGUA (GR) 279, 280
SILENCIADOR 185, 186, 187
SILENCIADOR (GR) 188, 189, 190
SOLENOIDE (CONJ) (24 VOLTIOS) (MOTOR DE ARRANQUE) 422, 425, 427
SOLENOIDE (CORTE) 414
SOLENOIDE DE CORTE 416

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
	418
SOPLADOR - VENTILADOR (GR)	97
	98
SOPORTE (CONJ) (MOTOR DE ARRANQUE)	422
SOPORTE DE BATERÍA (GR)	429
	430
	431
	433
	435
SOPORTE DE MONTAJE (GR)	65
SUCCIÓN - VENTILADOR DE (GR)	99
SUJECION DEL CARGADOR DE BATERIA (GR)	367
	368
*SWITCH AS	437
	438
*SWITCH AS (CONDICION DEL DISYUNTOR)	440
*SWITCH AS (CONDICION DEL DISYUNTOR, REMOTO)	440
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
	418
SOPLADOR - VENTILADOR (GR)	97
	98
SOPORTE (CONJ) (MOTOR DE ARRANQUE)	422
SOPORTE DE BATERÍA (GR)	429
	430
	431
	433
	435
SOPORTE DE MONTAJE (GR)	65
SUCCIÓN - VENTILADOR DE (GR)	99
SUJECION DEL CARGADOR DE BATERIA (GR)	367
	368
*SWITCH AS	437
	438
*SWITCH AS (CONDICION DEL DISYUNTOR)	440
*SWITCH AS (CONDICION DEL DISYUNTOR, REMOTO)	440
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
	457
TABLERO DE CONTROL, CALCOMANIA (MÓDULO DE IDENTIDAD DE ALARMA ESPECIAL)	455
	457
TABLERO DE CONTROL (CONFIG)	496
	497
TABLERO DE INSTRUMENTOS (GR)	515
	517
	518
	519
	520
	521
	522
	523
TABLERO DE INSTRUMENTOS (GR)	513
TABLERO DE SINCRONIZACIÓN, CALCOMANIA (EMCP)	485
TABLERO DE SINCRONIZACIÓN, CALCOMANIA (EMCP, INGLES/FRANCES)	484
TABLERO ELECTRÓNICO (GR)	506
	507
	512
TACOMETRO ELECTRICO (GR)	525
TACÓMETRO (GR)	525
TANQUE DE COMBUSTIBLE Y BASE (GR)	282
TANQUE DE EXPANSIÓN (GR)	139
TANQUE DEL COMBUSTIBLE (CONJ)	284
	285
	286
	287
	288
	289
	290
TAPA ANTILLUVIA	197
TAPA CONTRA EL POLVO (FILTRO DE ACEITE DEL MOTOR)	76
TAPA CONTRA LA LLUVIA (CONJ)	153
TAPA CONTRA LA LLUVIA (CONJ) (CONEXIÓN DE ESCAPE)	164
	165
TAPA CONTRA LA LLUVIA (CONJ) (SILENCIADOR)	189
	190
TAPA DE CAJA DE TERMINALES (CONJ)	364
TAPA DE CÁNCAMO DE LEVANTAMIENTO (GR)	554
TAPA DE LA CAJA DE VOLANTE (GR)	17
TAPA DE LA CAJA DELANTERA (GR)	18
TAPA DE LAS TUBERÍAS DE AGUA (GR)	96
TAPA DE LLENADO (CONJ) (ACEITE DEL MOTOR)	80

T

Nombre	Página
TABLA DE LOCALIZACIÓN DE LAS PLACAS Y CALCOMANÍAS	653
TABLA-TABLERO DE CONTROL	643
TABLERO DE CONTROL, CALCOMANIA	502
	504
TABLERO DE CONTROL, CALCOMANIA (ASISTENCIA DE ARRANQUE MANUAL)	498
	500
	502
	504
TABLERO DE CONTROL, CALCOMANIA (AYUDA DE ARRANQUE AUTOMÁTICO)	507
TABLERO DE CONTROL, CALCOMANIA (EMCP II ' GRÁFICO/TEXTO)	465
	466
TABLERO DE CONTROL, CALCOMANIA (EMCPII MANDO DE MODULO DE RELÉ)	483
TABLERO DE CONTROL, CALCOMANIA (EUI-EMCPII+)	463
TABLERO DE CONTROL, CALCOMANIA (GSC+ -EMCPII+)	464
TABLERO DE CONTROL, CALCOMANIA (GSC+ -EMCPII+)	463
TABLERO DE CONTROL, CALCOMANIA (MÓDULO DE ALARMA)	459
TABLERO DE CONTROL, CALCOMANIA (MODULO DE ALARMA ESPECIAL) (V1)	455
TABLERO DE CONTROL, CALCOMANIA (MODULO DE ALARMA ESPECIAL) (V2)	457

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página
TAPA DE TRANSFERENCIA DE COMBUSTIBLE (GR)	221
TAPA DE VALVULA DE PRESIÓN (7 LIBRAS POR PULGADA CUADRADA) (RADIADOR)	124
	137
TAPA DEL BLOQUE MOTOR (GR)	15
	16
TAPA DEL DISYUNTOR (GR)	365
TAPA DEL GENERADOR (GR)	535
TAPA DEL MECANISMO DE VÁLVULAS (GR)	20
TAPA DEL RADIADOR	132
	139
TAPA DEL RADIADOR (7 LIBRAS POR PULGADA CUADRADA)	134
TAPA DEL TANQUE DE COMBUSTIBLE (CONJ)	282
TAPÓN DE DRENAJE (CAJA DEL VOLANTE)	56
TAPÓN DE DRENAJE (COLECTOR DE ACEITE)	66
	67
TAPÓN DE DRENAJE (INTERCAMBIADOR DE CALOR)	101
TAPÓN DE DRENAJE (INTERCAMBIADOR DE CALOR)	103
TERMOSTATO (CONJ) (CALENTADOR DE AGUA DE LAS CAMISAS) (20 PARA 80 GRADOS CENTIGRADOS)	380
TORNILLERÍA DE LA BOMBA DE INYECCIÓN DE COMB.	229
	230
TORNILLERIA DE LOS CABLES (GR)	374
TORNILLERIA DE MAZO DE CABLES (GR)	371
	375
TORNILLERÍA DE MONT. DE LA BOMBA DE ACEITE (GR)	79
TORNILLERIA DEL FILTRO DE INTERF. DE FRECUENCIA DE RADIO (GR)	557
TORNILLERÍA DEL REGULADOR (GR)	231
	233
TRANSFORMADOR	640
TRANSFORMADOR DE CORRIENTE (GR)	641
	642
TUBERÍAS DE ACEITE DEL MOTOR (GR)	88
TUBERIAS DE DRENAJE DE ACEITE DE MOTOR (GR)	89
	90
TUBERÍAS DE DRENAJE DEL REFRIGERANTE (GR)	109
TUBERÍAS DE INYECCIÓN DE COMBUSTIBLE (GR)	256
	257
	258
	259
	261
TUBERÍAS DEL AGUA - POSENFRIADOR (GR)	107
TUBERÍAS DEL AGUA (GR)	110
	111
	113
	114
	115
TUBERÍAS DEL FILTRO DE COMBUSTIBLE	253
	255
TUBO DE ESCAPE (GR)	191
	192
	193
TUBO DE LLENADO DE ACEITE (GR)	80
TURBOCOMPRESOR - TUBERÍAS DE ACEITE DEL (GR)	91
	92
TURBOCOMPRESOR (GR)	205
TURBOCOMPRESOR (GR)	200
	201
	202
	203
	204

V

VÁLVULA (CONJ) (ARRANQUE ASISTIDO POR ÉTER, 24 VOLTIOS)	419
VÁLVULA (CONJ) (BOMBA DE TRANSFERENCIA DE COMBUSTIBLE, COMPROBADOR)	271
VÁLVULA (CONJ) (CORTE DE AIRE)	198
VÁLVULA (CONJ) (24 VOLTIOS)(ARRANQUE ASISTIDO POR ÉTER)	420
VALVULA DE AGUJA (RESPUESTA DE ACELERADOR)	244
VÁLVULA DE ENTRADA (CULATA DEL CILINDRO)	33
VÁLVULA DE ESCAPE (CULATA DEL CILINDRO)	33
VÁLVULA DE MUESTREO (GR) (ACEITE DEL MOTOR)	76
VÁLVULA DE RETENCIÓN (CONJ) (BOMBA DE INYECCION DE COMBUSTIBLE)	267
VALVULA DE SERVO DE REGULADOR	243
VÁLVULA DEL RESPIRADERO (CONJ) (SEPARADOR DE AGUA)	279
VÁLVULA (*3/4 PTF THD) (CALENTADOR DE AGUA DE LAS CAMISAS)	398
VIDRIO DE LA LÁMPARA (TRANSPARENTE)	484
	485
VOLANTE - CAJA DE (GR)	56

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

INDICE

Nombre	Página	Nombre	Página
VOLANTE (GR)	47		

W

*WIRING GP-PANEL	448		

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

ÍNDICE

Designação	Página
A	
ACIONADOR DO GOVERNADOR	206, 207, 208
ACOPLAMENTO DO GRUPO ELETRÓGENO	13, 14
ADAPTADOR - CANAIS DA EXTREMIDADE DA BASE	528
ADAPTADOR DE ESCAPE	142, 143
ADAPTADOR DO PURIFICADOR DE AR	144
ADESIVO - ANUNCIADOR (PAINEL DE CONTROLE)	451, 452, 453
ADESIVO - EMCP II	498, 500
ADESIVO - EMCP II (GRAFICO / TEXTO)	465
ADESIVO - PAINEL DE CONTROLE	502, 504
ADESIVO - PAINEL DE CONTROLE (AUXILIAR DE PARTIDA AUTOMÁTICA)	507
ADESIVO - PAINEL DE CONTROLE (AUXILIAR DE PARTIDA MANUAL)	498, 500, 502, 504
ADESIVO - PAINEL DE CONTROLE (EMCP II - GRAFICO / TEXTO)	465, 466
ADESIVO - PAINEL DE CONTROLE (EUI - EMCPII+)	463
ADESIVO - PAINEL DE CONTROLE (GSC+ - EMCPII+)	464
ADESIVO - PAINEL DE CONTROLE (GSC+ - EMCPII+)	463
ADESIVO - PAINEL DE CONTROLE (IDENTIFICAÇÕES DO MÓDULO DE ALARME ADAPTADO)	455, 457
ADESIVO - PAINEL DE CONTROLE (MÓDULO DE ALARME)	459
ADESIVO - PAINEL DE CONTROLE (MÓDULO DE ALARME ADAPTADO) (V1)	455
ADESIVO - PAINEL DE CONTROLE (MÓDULO DE ALARME ADAPTADO) (V2)	457
ADESIVO - PAINEL DE CONTROLE (MÓDULO DO ACIONADOR DO RELÉ DO EMCPII)	483
ADESIVO - PAINEL DE SINCRONIZAÇÃO (EMCP)	485
ADESIVO - PAINEL DE SINCRONIZAÇÃO (EMCP - INGLÊS - FRANCÊS)	484
ADESIVO - TIRA DO TERMINAL	400, 401, 552
ALOJAMENTO DA BOMBA DE COMBUSTÍVEL	265
ALTERNADOR DE CORRENTE	293, 296, 298
AMORTECEDOR DE VIBRAÇÕES E POLIA	38
AQUECEDOR DA ÁGUA DO MOTOR	380, 381, 382, 383
ARRANJO GERAL	7, 8, 9, 10, 11
ARREFECEDOR - ÓLEO DO MOTOR	95
ATOMIZADOR - ÉTER	419
AUXILIAR DE PARTIDA A ÉTER	419, 420
B	
BALANCIM	73
BARRA COLETORA NEUTRA	400, 401
BARRA DE TERRA	508
BASE DO FILTRO DE ÓLEO	76, 77
BASE DO TANQUE DE COMBUSTÍVEL	209
BASE/SUPORTE DO MOTOR E GRUPO ELETRÓGENO	529, 530, 531, 533
BATERIA	304, 305, 306
BATERIA - CARREGADOR	300, 301, 302, 303
BATERIA (LÍTIO) (3 VOLTS)	493
BATERIA (LIVRE DE MANUTENÇÃO) (12 V)	306
BATERIA (12 V)	304, 305
BLINDAGEM DO COLETOR	196
BLOCO DO MOTOR	22, 23, 25, 27, 29

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
	31
BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR	80
BOCAL DE ENCHIMENTO (ÓLEO DO MOTOR)	80
BOMBA AUXILIAR DE ÁGUA DOCE	118
	120
BOMBA DE ÁGUA	121
	122
BOMBA DE ESCORVA DO COMBUSTÍVEL	270
BOMBA DE INJEÇÃO DO COMBUSTÍVEL	265
	267
	268
BOMBA DE ÓLEO - MOTOR	93
	94
BOMBA DE TRANSFERÊNCIA DO COMBUSTÍVEL	271
BOMBA DO GOVERNADOR E INJEÇÃO DE COMBUSTÍVEL	272
	273
	274
	275
BOMBA E MONTAGEM - TRANSFERÊNCIA DE COMBUSTÍVEL	264
BOMBA INJETORA DO COMB. E COMANDO DO GOVERNADOR	277
	278
BUJÃO DO DRENO (ALOJAMENTO DO VOLANTE DO MOTOR)	56
BUJÃO DO DRENO (PERMUTADOR DE CALOR)	101
	103
BUJÃO DO DRENO (RESERVATÓRIO DE ÓLEO)	66
	67

C

CABEÇOTE DO MOTOR	32
	33
	34
	36
	37
CABO - EXTENSÃO	317
	318
CABO DA BATERIA	319
CABOS DO GERADOR TERRA	544
	545
CAIXA DE JUNÇÃO	309
	312
	314
	316
CAIXA DIANTEIRA	57
CAIXA DO COMANDO DO GOVERNADOR	250
CAIXA DO VOLANTE DO MOTOR	56
CANO DE ESCAPE	191
	192
	193
CAPÔ - PURIFICADOR DE AR	174
CÁRTER DO ÓLEO DO MOTOR	66
	67
	68
CARTUCHO DO TURBOALIMENTADOR	154
	156
	204
CHAVE DE AQUECIMENTO-PARTIDA	442
CHAVE GERAL DO MOTOR (4 POSIÇÕES)	508
CHAVE GERAL DO MOTOR (4 POSIÇÕES)	501
	503
	505
CHAVE GERAL DO MOTOR (4 POSIÇÕES) (CONTROLE DO MOTOR)	499
CHICOTE	376
	377
	378
CHICOTE - MOTOR (PAINEL ELETRONICO)	507
CHICOTE (CAIXA DE DERIVAÇÃO)	309
	312
CHICOTE (CONTROLE DE VOLTAGEM MANUAL)(NO.1)	362
CHICOTE (CONTROLE DE VOLTAGEM MANUAL)(NO.2)	362
CHICOTE (DC)(PAINEL ELETRONICO)	507
CHICOTE (FIACAO DO PAINEL ELETRONICO)	507
CHICOTE (GOVERNOR)	508
CILINDRO DE ÉTER	419
	420
COBERTURA	536
COBERTURA DO GRUPO ELETRÓGENO	537
	539
	540
	541
COLETOR DE ADMISSÃO	180
COLETOR DE ESCAPE	178
	179
COLMÉIA (ARREFECEDOR DE ÓLEO DE MOTOR)	95
COLMEIA DO RADIADOR	128
COLMÉIA (PERMUTADOR DE CALOR)	103
COMANDO DE ACESSÓRIOS	39
COMANDO DO GOVERNADOR	222
COMANDO DO GOVERNADOR E DA BOMBA DE COMBUSTÍVEL	225
	227
COMANDO DO TACÔMETRO	228

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
COMANDO DO VENTILADOR	40
	42
	44
CONEXÃO - ALÍVIO (COMANDO DO VENTILADOR)	44
CONEXÃO - BLOCO DE TERMINAIS	552
CONEXÃO - CONDUTORES DO GERADOR	546
	548
	549
	551
CONEXÃO - ELÉTRICA	350
	352
	354
	355
CONEXÃO DE ESCAPE	164
	165
	166
	167
	168
	169
CONTATOR	358
CONTATOR - ALARME	359
	360
CONTATOR - TEMPERATURA DA ÁGUA	357
CONTROLE - MÓDULO DO ALARME	450
	451
	452
	453
	454
	455
	456
	457
	458
	459
CONTROLE - MONITORIZAÇÃO DO MOTOR	468
CONTROLE - SOLENOIDE	363
CONTROLE DE VOLTAGEM MANUAL	362
	363
CONTROLE DO COMBUSTÍVEL	213
CONTROLE DO GOVERNADOR	214
	215
	217
	218
	219
	220
CONTROLE ELETRÔNICO - ECM	449
CONTROLE ELETRÔNICO - EMCP	460
	461
	462
	463
	464
	465
	466
	467
	468
CONTROLE ELETRÔNICO - EMCP (RELÉ)	463
CONTROLE ELETRÔNICO DO MOTOR - CLASSIFICAÇÃO	361
CORREIA EM V (ALTERNADOR)	61
	63
COTOVELO DE ESCAPE	158
	159
	160
	161
	162
	163
CRUZETA DO VENTILADOR SOPRADOR (6 LÂMINAS)	97

D

DECALQUE - ADVERTÊNCIA (ACESSO AO BATENTE SECUNDARIO)	654
	655
DECALQUE - ADVERTÊNCIA (CHOQUE ELÉTRICO)	498
	500
	502
	504
	507
DECALQUE - FIAÇÃO DO GERADOR	388
	391
	392
	552
DECALQUE - IDENTIFICAÇÃO (FIAÇÃO DO PAINEL DE CONTROLE)	498
	500
	502
	504
	508
DECALQUE - IDENTIFICAÇÃO (FUSÍVEL DC DE 20AMP)	417
DECALQUE - IDENTIFICAÇÃO (FUSÍVEL DC 20 AMP)	213
DECALQUE - IDENTIFICAÇÃO (FUSÍVEL 10A DC)	241
	363
	417
	498
	500
	502
	504
DECALQUE - IDENTIFICAÇÃO (FUSÍVEL 10A DC)	508
DECALQUE - IDENTIFICAÇÃO (FUSÍVEL 2A DC)	498

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
	500
	502
	504
	508
DECALQUE - IDENTIFICAÇÃO (MÓDULO DE INTERFACE COM O CLIENTE)	482
DECALQUE - IDENTIFICAÇÃO (PAINEL DE CONTROLE)	498
	500
	502
	504
DECALQUE - IDENTIFICAÇÃO (POTÊNCIA INVERSA)	498
	500
	502
	504
DECALQUE - INFORMAÇÕES (DESCRICAO DO SIMBOLO)	654
	655
DECALQUE - INSTRUÇÃO (AJUSTE DO CONTROLE DE VOLTAGEM)	625
	627
DECALQUE - INSTRUÇÃO (ECMP II+ PARTIDA)	655
DECALQUE - INSTRUÇÃO (PACOTE - PRÉ-PARTIDA)	625
DECALQUE - INSTRUÇÃO (PARTIDA DO ECMP II)	654
DECALQUE - INSTRUÇÃO (PARTIDA ELÉTRICA DIRETA)	419
	420
DECALQUE - PAINEL (INSTRUMENTO)	518
DECALQUE - TELA (MÓDULO DE COMUNICAÇÃO)	493
DECALQUE (ANUNCIADOR)	450
DECALQUE (IDENTIFICAÇÃO DO PAINEL DE CONTROLE)	507
DECALQUE (INSTRUÇÃO) (PRE-PARTIDA)(CONTROLE DE VOLTAGEM)	626
	629
DECALQUE (TIRA DO TERMINAL)	320
	321
	322
	323
	324
	325
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	348
DIODO	366
DISJUNTOR AUTOMÁTICO DE CIRCUITO (10 A) (CIRCUITO LÓGICO)	309
	312
DISJUNTOR AUTOMÁTICO DE CIRCUITO (12,5 AMP)	314
	497
	500
	502
	504
	508
DISJUNTOR (320 - 400 AMPERES, PERCURSO DE AJUSTE)	346
DISJUNTOR (500 - 630 AMP)(PERCURSO DE AJUSTE)	347
DISJUNTOR (60 A)	314
	385

E

EIXO-COMANDO DE VÁLVULA	12
ELEMENTO - FILTRO DE COMBUSTÍVEL (PRIMÁRIO)	235
ELEMENTO - PRIMÁRIO	149
	152
ELEMENTO - SECUNDÁRIO	149
ELEMENTO (SEPARADOR DE ÁGUA E DE COMBUSTÍVEL)	279
ELIMINAÇÃO DE VAPORES DO CÁRTER	83
EMISSOR - TEMPERATURA (ÁGUA)	358
EMISSOR (PRESSÃO DO ÓLEO)	358
ENGRENAGENS DE DISTRIBUIÇÃO	48
ESCOVA (ALTERNADOR)	298
ETIQUETA - AVISO (AUXILIAR DE PARTIDA)	419
	420
EXTENSÃO DA CAIXA DE TERMINAIS	307
	308

F

FIAÇÃO - PAINEL (SISTEMA ELETRÔNICO)	508
FILME-INTERFACE (MÓDULO DE COMUNICAÇÃO)	493
FILTRO - AR	148
FILTRO - BOMBA DE ÁGUA	122
FILTRO - COMBUSTÍVEL	234
	235

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
	236
	237
FILTRO - COMBUSTÍVEL (ALTA EFICIÊNCIA)	234
FILTRO - ÓLEO DO MOTOR	81
	82
FILTRO - PRIMÁRIO DE COMBUSTÍVEL	238
FILTRO (TAMPA DO TANQUE DE COMBUSTÍVEL)	282
FIXADOR (MOTOR DE PARTIDA)	422
FIXADORES - BOMBA DE ÓLEO DO MOTOR	79
FIXADORES - BOMBA INJETORA DE COMBUSTÍVEL	229
	230
FIXADORES - CABOS/FIOS ELÉTRICOS	374
FIXADORES - CAIXA DA EXTENSÃO	369
	370
FIXADORES - CAIXA DIANTEIRA	46
FIXADORES - CARREGADOR DA BATERIA	367
	368
FIXADORES - CHICOTE	371
	375
FIXADORES - FILTRO DE RADIOFREQÜÊNCIA	557
FIXADORES - GOVERNADOR	231
	233
FLANGE	170
FLANGE DE ESCAPE	171
	172
	173
FUSÍVEL - CERÂMICA (10 A)	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
	617
FUSÍVEL (0,75 A)	240
FUSÍVEL (1 AMP)	384
	468
FUSÍVEL (10 A)	241
	363
	417
	498
	500
	502
	504
	508
FUSÍVEL (12 AMP)	623
	624
	632
FUSÍVEL (12 AMP.)	362
FUSÍVEL (12 AMPERES)	622
FUSÍVEL (2 AMP.)	239
	508
FUSÍVEL (2 AMP.)	498
	500
	502
	505
FUSÍVEL (20 A)	213
	417

G

GERADOR	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
	619
GOVERNADOR	239
	242
	243
	248
GOVERNADOR - CONTROLE	210
	211
	212
GOVERNADOR ELETRÔNICO	240
	241
GR. DE CONVERSÃO - ABASTECIMENTO RÁPIDO	653
GRAXEIRA (COMANDO DO VENTILADOR)	40
	42
	44
GRAXEIRA (ROSCA 1/8-27 POL) (COMANDO DO VENTILADOR)	40
	42
H	
*HARNESS AS-PANEL	379
I	
INDICADOR - LIMPEZA DO FILTRO DE AR	147
	150
	151
INDICADOR - NÍVEL DO COMBUSTÍVEL	284
	285
	286
	287
	288
INDICADOR - NÍVEL DO ÓLEO (VARETA)	84
	85
	86
	87
INDICADOR - VARETA DO NÍVEL DE ÓLEO	84
	85
	86
	87
INDICADOR (PRESSÃO DE ÓLEO DO MOTOR)	513
	515
INDICADOR (TEMPERATURA DA ÁGUA)	513
	515
INSERTO - SEDE DE VÁLVULA (ENTRADA)	37
INSERTO - SEDE DE VÁLVULA (ESCAPE)	37
INTERRUPTOR	441
	446
INTERRUPTOR - AUXILIAR DA PINÇA (ALARME DE DISJUNTOR)	441
INTERRUPTOR - AUXILIAR DA PINÇA (INDICADOR DA POSIÇÃO DO RESPIRO)	440
INTERRUPTOR - AUXILIAR DA PINÇA (POSIÇÃO DE DISJUNTOR)	441
INTERRUPTOR - BALANCIM	447
INTERRUPTOR - BALANCIM (AUXILIAR DE PARTIDA)	446
INTERRUPTOR - BALANCIM (AUXILIAR DE PARTIDA - LIGAR-MOMENTÂNEO-DESLIGAR)	447
INTERRUPTOR - BALANCIM (CONTROLE DAS LUZES DE SINCRONIZAÇÃO)	484
INTERRUPTOR - BALANCIM (CONTROLE DAS LUZES DE SINCRONIZAÇÃO)	485
INTERRUPTOR - BALANCIM (POLO SIMPLES) (LUZ DO PAINEL)	499
	501
	503
	505
INTERRUPTOR - BALANCIM (POLO SIMPLES) (LUZ DO PAINEL)	508
INTERRUPTOR - BALANCIM (POLO SIMPLES) (LUZES DO PAINEL)	506
INTERRUPTOR - BALANCIM (POLO SIMPLES) (LUZES DO PAINEL)	512
INTERRUPTOR - BALANCIM (2 POLOS) (GOVERNOR)	441
INTERRUPTOR - BOTÃO (OPERADOR) (PARADA SECUNDÁRIA)	309
	312
INTERRUPTOR - BOTÃO (PARADA SECUNDÁRIA)	417
	508
INTERRUPTOR - BOTÃO (SILENCIAR O ALARME)	454
INTERRUPTOR - BOTÃO (TESTE DA LÂMPADA)	454
INTERRUPTOR - CIRCUITO	320
	321
	322
	323
	324
	325
	326
	327
	328
	329
	330
	331
	332
	333
	334
	335

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	346
	347
	348
	349
INTERRUPTOR - CIRCUITO (1000 AMP)	321
INTERRUPTOR - CIRCUITO (1200 AMP)	322
INTERRUPTOR - CIRCUITO (20 A)	498
	500
	502
	504
INTERRUPTOR - CIRCUITO (20 A) (SOLENÓIDE DE PARADA DO COMBUSTÍVEL)	309
	312
INTERRUPTOR - CIRCUITO (700 AMP)	321
INTERRUPTOR - CIRCUITO (800 AMP)	321
INTERRUPTOR - CIRCUITO (800 AMPERES)	323
INTERRUPTOR - CIRCUITO (800 AMPÈRES)	320
INTERRUPTOR - COMBUSTÍVEL (BAIXO NÍVEL DE COMBUSTÍVEL)	285
	287
INTERRUPTOR - GOVERNADOR	441
INTERRUPTOR - LOCALIZAÇÃO (VAZAMENTO)	284
	286
	287
	288
INTERRUPTOR - MAGNÉTICO (MOTOR DE PARTIDA)	508
INTERRUPTOR - MAGNÉTICO (24 V) (MOTOR DE PARTIDA)	314
INTERRUPTOR - MAGNÉTICO (24 V) (MOTORES DE PARTIDA DUPLOS)	499
	501
	503
	505
INTERRUPTOR - MOTOR	441
INTERRUPTOR - NÍVEL DO LÍQUIDO (BAIXO NÍVEL DE COMBUSTÍVEL)	284
	285
	286
	287
	288
INTERRUPTOR - PARTIDA	443
INTERRUPTOR - PRESSÃO (ÓLEO)	358
INTERRUPTOR - PRESSÃO (ÓLEO DO MOTOR)	309
	312
	359
	360
INTERRUPTOR - TEMPERATURA	439
	444
	445
INTERRUPTOR - TEMPERATURA (ÁGUA)	358
INTERRUPTOR - TEMPERATURA (ALARME DE TEMPERATURA BAIXA DA ÁGUA)	444
INTERRUPTOR - TEMPERATURA (AUXILIAR DE PARTIDA A ÉTER)	419
	420
INTERRUPTOR (CONTROLE DE VOLTAGEM)(MANUAL- DESLIGADO-AUTOMÁTICO)	362
INTERRUPTOR (LIGAR - DESLIGAR - AUXILIAR DE PARTIDA A ÉTER)	419
	420
INTERRUPTOR (PRESSÃO DO COMBUSTÍVEL)	219
	220
INTERRUPTOR (SILENCIAR O ALARME)	518
INTERRUPTOR (TESTE DA LÂMPADA)	459
INTERRUPTOR (TESTE DO PAINEL)	451

J

Designação	Página
JOGO - ARTICULAÇÃO DO GOVERNADOR	248
JOGO - INSTALAÇÃO DO PAINEL DE CONTROLE	654
	655
JOGO - MOLA DO AMORTECEDOR (GOVERNOR)	248
JOGO - PARADA DE CONTROLE DO GOVERNADOR	248
JOGO - PISTÃO DO GOVERNADOR	248
JOGO - REPARO DA TAMPA (GOVERNOR)	248
JOGO - VÁLVULA DO GOVERNADOR	248
JOGO DE ABRAÇADEIRA DO PURIFICADOR DE AR	148
JOGO DE ABRAÇADEIRA DO PURIFICADOR DE AR (INCLUI PRESILHA E REBITE)	144
JOGO DE ACONDICIONAMENTO DA BOMBA D'ÁGUA (ÁGUA)	122
JOGO DE ALAVANCA (MOTOR DE PARTIDA)	427
JOGO DE ALAVANCA (MOTOR DE PARTIDA)	425
JOGO DE AQUECEDOR	658
JOGO DE ARRUELA (MOTOR DE PARTIDA)	422
JOGO DE BUCHA (MOTOR DE PARTIDA)	425
	427

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
JOGO DE CARTUCHO (TURBOALIMENTADOR)	154, 156
JOGO DE CORREIAS EM V (INCLUI 2 CORREIAS) (COMANDO DO VENTILADOR)	42
JOGO DE CORREIAS EM V (INCLUI 3 CORREIAS) (COMANDO DO VENTILADOR)	40, 44
JOGO DE EIXO - QUEDA CONTROLADA - DROOP (GOVERNOR)	248
JOGO DE ESCOVA (MOTOR DE PARTIDA)	422, 427
JOGO DE ESCOVA (MOTOR DE PARTIDA)	425
JOGO DE FILTRO DE RADIOFREQÜÊNCIA	657
JOGO DE FIXADORES (ALTERNADOR)	298
JOGO DE FIXADORES (MOTOR DE PARTIDA)	422
JOGO DE ISOLADOR (MOTOR DE PARTIDA)	425
JOGO DE ISOLADOR (MOTOR DE PARTIDA)	427
JOGO DE JUNTAS (BOMBA DE ÁGUA)	122
JOGO DE MANCAL (MOTOR DE PARTIDA)	422
JOGO DE MARCADOR DE HORAS DE SERVIÇO	470, 471
JOGO DE PINO DO MOTOR DE PARTIDA	422
JOGO DE RECEPTÁCULO (2 PINOS)	376
JOGO DE RECEPTÁCULO (2 PINOS) (ALTO NÍVEL DE COMBUSTÍVEL)	377
JOGO DE RECEPTÁCULO (2 PINOS) (CHICOTE)	448
JOGO DE RECEPTÁCULO (2 PINOS) (COLETOR DE RUPTURA DE COMBUSTÍVEL)	377
JOGO DE RECEPTÁCULO (2 PINOS) (SENSOR DE VELOCIDADE DO MOTOR)	411
JOGO DE RECEPTÁCULO (3 PINOS)	376
JOGO DE RECEPTÁCULO (3 PINOS) (ACIONADOR DO GOVERNADOR ELETRÔNICO)	377
JOGO DE RECEPTÁCULO (3 PINOS) (CHICOTE)	448
JOGO DE RECEPTÁCULO (3 PINOS) (CONTROLE ELETRONICO DO EMCP)	461
JOGO DE RECEPTÁCULO (3 PINOS) (*ELEC GOVERNOR ACTUATOR HARNESS)	378
JOGO DE RECEPTÁCULO (3 PINOS) (INSTALACAO DO PAINEL DE CONTROLE)	654, 655
JOGO DE RECEPTÁCULO (3 PINOS) (SENSOR DE PERDA DE LÍQUIDO ARREFECEDOR)	376, 406, 407
JOGO DE RECEPTÁCULO (3 PINOS) (SENSOR DE PRESSÃO DO ÓLEO DO MOTOR)	408, 409
JOGO DE RECEPTÁCULO (3 PINOS) (SENSOR DE TEMPERATURA)	413
JOGO DE RECEPTÁCULO (4 PINOS)	376
JOGO DE RECEPTÁCULO (4 PINOS) (CARREGADOR DE BATERIA)	376
JOGO DE RECEPTÁCULO (4 PINOS) (NÍVEL DE COMBUSTÍVEL ALTO/BAIXO)	377
JOGO DE RECEPTÁCULO (6 PINOS)	376, 654
JOGO DE RECEPTÁCULO (6 PINOS) (CHICOTE)	448
JOGO DE RECEPTÁCULO (6 PINOS) (INSTALACAO DO PAINEL DE CONTROLE)	654, 655
JOGO DE RECEPTÁCULO (8 PINOS) (FIACAO DO MOTOR DO PAINEL ELETRONICO)	507
JOGO DE RECEPTÁCULO (8 PINOS) (PAINEL DE CONTROLE)	498, 500, 503, 505
JOGO DE REPARO - BUJÃO (GOVERNOR)	248
JOGO DE REPARO - GOVERNADOR	248
JOGO DE REPARO (GOVERNOR)	248
JOGO DE RETENTOR DO MOTOR DE PARTIDA	422
JOGO DE TERMINAL (ALTERNADOR)	298
JOGO DE TERMINAL DE SAÍDA (ALTERNADOR)	293, 296
JOGO DE TERMINAL (DISJUNTOR)	328, 329, 330, 331, 332, 333, 334
JOGO DE TERMINAL RELÉ (ALTERNADOR)	293, 296
JOGO DE TOMADA DE CONEXÃO (2 PINOS)	376
JOGO DE TOMADA DE CONEXÃO (2 PINOS) (BAIXO NÍVEL DE COMBUSTÍVEL)	377
JOGO DE TOMADA DE CONEXÃO (2 PINOS) (CHICOTE)	448
JOGO DE TOMADA DE CONEXÃO (2 PINOS) (COLETOR DE RUPTURA DE COMBUSTÍVEL)	377

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
JOGO DE TOMADA DE CONEXÃO (2 PINOS) (FIACAO DO PAINEL DE CONTROLE)	496, 497
JOGO DE TOMADA DE CONEXÃO (3 PINOS)	376
JOGO DE TOMADA DE CONEXÃO (3 PINOS) (CHICOTE)	448
JOGO DE TOMADA DE CONEXÃO (3 PINOS) (FIACAO DC DO PAINEL ELETRONICO)	507
JOGO DE TOMADA DE CONEXÃO (3 PINOS) (FIACAO DO MOTOR DO PAINEL ELETRONICO)	507
JOGO DE TOMADA DE CONEXÃO (3 PINOS) (FIACAO DO PAINEL DE CONTROLE)	496, 497
JOGO DE TOMADA DE CONEXÃO (3 PINOS) (PAINEL DE CONTROLE)	498, 500, 503, 505
JOGO DE TOMADA DE CONEXÃO (3 PINOS) (SENSOR DE PERDA DE LÍQUIDO ARREFECEDOR)	376
JOGO DE TOMADA DE CONEXÃO (4 PINOS)	376
JOGO DE TOMADA DE CONEXÃO (6 PINOS) (CHICOTE)	448
JOGO DE TOMADA DE CONEXÃO (6 PINOS) (FIACAO DO MOTOR DO PAINEL ELETRONICO)	507
JOGO DE TOMADA DE CONEXÃO (6 PINOS) (PAINEL DE CONTROLE)	498, 500, 503, 505
JOGO DE TOMADA DE CONEXÃO (8 PINOS) (CONTROLE DO EMCP)	462
JOGO DE TOMADA DE CONEXÃO (8 PINOS) (CONTROLE ELETRONICO DO EMCP)	460
JOGO DE VÁLVULA DE ALÍVIO (GOVERNOR)	248
JUNTA - CÁRTER DE ÓLEO DO MOTOR	67
JUNTA - TAMPA DO REGULADOR	111
JUNTA - TAMPA DO REGULADOR (TANQUE DE EXPANSÃO)	139
JUNTA (BOMBA DE ESCORVA DE COMBUSTÍVEL)	270
JUNTA (RESERVATÓRIO DE ÓLEO)	66

L

Designação	Página
LÂMPADA (COR VERMELHA)	518
LÂMPADA (TRANSPARENTE)	518
LÂMPADA (VERDE)	518
LÂMPADA (120 VOLTS - 3 WATTS)	498, 500, 503, 505
LÂMPADA (120 VOLTS - 3 WATTS) (LUZ DO PAINEL)	508
LÂMPADA (120 VOLTS, 6 WATTS)	485
LÂMPADA (24 V)	498, 500, 503, 505, 508
LÂMPADA (24 V) (APAGAR)	506, 512
LÂMPADA (3 WATT) (APAGAR)	506, 512
LÂMPADA (6 WATT)	484
LENTE - LÂMPADA (TRANSPARENTE)	485
LENTE - LÂMPADA (TRANSPARENTE)	484
LEVANTAMENTO DO MOTOR	59, 60

M

Designação	Página
MANÔMETRO DO COMBUSTÍVEL	469, 513, 515
MARCADOR DE HORAS DE SERVIÇO	470, 471
MECANISMO DAS VÁLVULAS	75
MÓDULO - ALARME	472, 473, 474, 475, 476, 477, 478, 479, 480, 481
MÓDULO - COMANDO DO RELÉ	482, 483
MÓDULO - INTERFACE	384
MÓDULO DE COMUNICAÇÃO DO SISTEMA	492, 493
MÓDULO DE SINCRONIZAÇÃO DE LUZ	484, 485, 487, 488, 489, 490, 491
MOLA DE CONTROLE DO TORQUE	291, 292

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
MONTAGEM - ACIONADOR DO GOVERNADOR	263
MONTAGEM - ACIONADOR ELETRÔNICO	526
MONTAGEM - ALTERNADOR	61
	63
MONTAGEM - AQUECEDOR DA ÁGUA DO MOTOR	398
MONTAGEM - BRAÇADEIRA	65
MONTAGEM - CONTATOR	393
	394
	396
	397
MONTAGEM - DISJUNTOR ELÉTRICO AUTOMÁTICO	385
	386
	388
	389
	390
	391
	392
MONTAGEM - PAINEL DE CONTROLE	494
MONTAGEM - PAINEL DE INSTRUMENTOS	495
MONTAGEM - PERMUTADOR DE CALOR	116
MONTAGEM - PURIFICADOR DE AR	181
MONTAGEM - RADIADOR	117
MONTAGEM - REGULADOR DE VOLTAGEM	621
MONTAGEM - SILENCIADOR	182
	183
	184
MOTOR	1
	2
	4
	5
	6
MOTOR ELÉTRICO DE PARTIDA	421
	422
	424
	425
	427

P

PAINEL DE CONTROLE	496
	497
	500
	502
	504
PAINEL DE INSTRUMENTOS	513
	515
	517
	518
	519
	520
	521
	522
	523
PAINEL ELETRÔNICO	506
	507
	512
*PANEL AS	502
PARADA DO AR	198
PARADA ELÉTRICA	414
	415
	416
	417
PARADA MANUAL	281
PELÍCULA-CONEXÃO (AQUECEDOR DE AMBIENTE)	658
PERMUTADOR DE CALOR - ÁGUA DO MAR	101
	103
	105
	106
PISTÃO E BIELA	69
	70
	72
PLACA - IDENTIFICAÇÃO (CAIXA DE JUNÇÃO)	312
PLACA - IDENTIFICAÇÃO (CAIXA DE JUNÇÃO)	309
PLACA DE ADVERTÊNCIA (SUPERFÍCIE QUENTE)	542
PLACA DE INSTRUÇÃO (PARTIDA A QUENTE)	442
PLACA E DECALQUE (MOTOR) (*ENGINE RATING)	653
POLIA - COMANDO DO VENTILADOR	40
	42
POLIA DO ALTERNADOR	63
PÓS-ARREFECEDOR A ÁGUA	145
PRÉ-PURIFICADOR	194
	195
PROTETOR - AMORTECEDOR	55
PROTETOR - CHUVA	197
PROTETOR - CORREIAS	49
	51
	52
	54
PROTETOR - MOTOR	542
PROTETOR - RADIADOR	100
PROTETOR CONTRA CHUVA	153
PROTETOR CONTRA CHUVA (CONEXÃO DO ESCAPE)	164
	165
PROTETOR CONTRA CHUVA (SILENCIADOR)	189
	190

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
PURIFICADOR DE AR	147, 148, 149, 150, 151, 152

R

Designação	Página
RADIADOR	124, 126, 128, 130, 132, 134, 137
REGULADOR DE TEMPERATURA DA ÁGUA (92 GRAUS CENTÍGRADOS)	111
REGULADOR DE TEMPERATURA DA ÁGUA (92 GRAUS CENTÍGRADOS) (TANQUE DE EXPANSÃO)	139
REGULADOR DE VOLTAGEM	622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633
REGULADOR DE VOLTAGEM (24 VOLTS)(ALTERNADOR)	298
REGULADOR (24 V) (VOLTAGEM DO ALTERNADOR)	293, 296
RELÉ	402
RELÉ - EXCESSO DE CORRENTE	403
RELÉ - VOLTAGEM	404, 405
RELÉ AUXILIAR	403
RELÉ (CONJ) (CONTROLE DO EMCP)	449
RELÉ (CONJ) (24 V) (PARADA DO COMBUSTÍVEL)	309, 312
RESPIRO	78
RESPIRO (CÁRTER DO MOTOR)	78
RETENTOR - COBERTURA	524
RETENTOR DO VIRABREQUIM	21
ROTOR	634, 635, 636, 637, 638, 639

S

Designação	Página
SENSOR - NÍVEL DE LÍQUIDO	406, 407
SENSOR - NÍVEL DE LÍQUIDO (LÍQUIDO ARREFECEDOR DO MOTOR)	654, 655
SENSOR - PRESSÃO	408, 409
SENSOR - PRESSÃO (ÓLEO DO MOTOR)	361, 468, 654, 655
SENSOR - TEMPERATURA	413
SENSOR - TEMPERATURA (ÁGUA)	468
SENSOR - TEMPERATURA (LÍQUIDO ARREFECEDOR DO MOTOR)	654, 655
SENSOR - TEMPERATURA (LÍQUIDO ARREFECEDOR DO MOTOR)	361
SENSOR DE VELOCIDADE	410, 411, 412
SENSOR DE VELOCIDADE (MOTOR)	412
SENSOR DE VELOCIDADE (MOTOR - MAGNETICO - BAIXO RENDIMENTO)	411
SEPARADOR DE ÁGUA	279, 280
SILENCIADOR	185, 186, 187, 188, 189, 190
SOLENÓIDE DE PARADA	416, 418
SOLENÓIDE (DESLIGAMENTO)	414
SOLENÓIDE (24 V) (MOTOR DE PARTIDA)	422, 425, 427
SUPORTE - BATERIA	429, 430, 431, 433, 435
SUPORTE - ESCOVA (MOTOR DE PARTIDA)	427
SUPORTE - ESCOVA (MOTOR DE PARTIDA)	425
SUPORTE DO MOTOR	74

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
*SWITCH AS	437
	438
*SWITCH AS (STATUS DO DISJUNTOR)	440
*SWITCH AS (STATUS DO DISJUNTOR REMOTO)	440
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440

T

TABELA - PAINEL DE CONTROLE	643
TABELA - PLACA E DECALQUE	653
TACÔMETRO	525
TACÔMETRO - ELÉTRICO	525
TAMPA - ACESSO	555
	556
TAMPA - ALÍVIO DE PRESSÃO (7 PSI) (RADIADOR)	124
	137
TAMPA - BLOCO DO MOTOR	15
	16
TAMPA - BOCAL DE ENCHIMENTO (ÓLEO DO MOTOR)	80
TAMPA - BOMBA DE TRANSFÊRENCIA	221
TAMPA - CAIXA DA EXTENSÃO	364
TAMPA - CAIXA DIANTEIRA	18
TAMPA - CAIXA DO VOLANTE	17
TAMPA - MECANISMO DAS VÁLVULAS	20
TAMPA - RADIADOR	132
	139
TAMPA - RADIADOR (7 PSI)	134
TAMPA - TUBOS D'ÁGUA	96
TAMPA CONTRA POEIRA (FILTRO DE ÓLEO DO MOTOR)	76
TAMPA DO DISJUNTOR	365
TAMPA DO TANQUE DE COMBUSTÍVEL	282
TAMPA GRUPO GERADOR	535
TAMPA PROTETORA DO OLHAL DE LEVANTAMENTO	554
TANQUE DE COMBUSTÍVEL E BASE	282
TANQUE DE EXPANSÃO	139
TANQUE DO COMBUSTÍVEL	284
	285
	286
	287
	288
	289
	290
TELA FILTRANTE (GOVERNADOR E BOMBA INJETORA DE COMBUSTÍVEL)	275
TELA (ÓLEO DO MOTOR)	88
TERMOSTATO (AQUECEDOR DE ÁGUA DA CAMISA) (20 A 80 GRAUS C)	380
TRANSFORMADOR	640
TRANSFORMADOR DE CORRENTE	641
	642
TUBOS - ÁGUA	110
	111
	113
	114
	115
TUBOS - ÁGUA DO PÓS-ARREFECEDOR	107
TUBOS - AR	175
	176
	177
TUBOS - DRENAGEM DO LÍQUIDO ARREFECEDOR	109
TUBOS - FILTRO DO COMBUSTÍVEL	253
	255
TUBOS - FLEXÍVEIS DO COMBUSTÍVEL	251
	252
TUBOS - INJEÇÃO DO COMBUSTÍVEL	256
	257
	258
	259
	261
TUBOS - ÓLEO DO MOTOR	88
TUBOS - ÓLEO DO TURBOALIMENTADOR	91
	92
TUBULAÇÕES - DRENAGEM DE ÓLEO DO MOTOR	89
	90
TURBOALIMENTADOR	200
	201
	202
	203
	204
	205

V

VÁLVULA - SERVOTRANSMISSÃO DO GOVERNADOR	243
VÁLVULA (CORTE DE AR)	198
VÁLVULA DE ADMISSÃO (CABEÇOTE)	33
VÁLVULA DE AGULHA (RESPOSTA DO ACELERADOR)	244
VÁLVULA DE ESCAPE (CABEÇOTE)	33
VÁLVULA DE RETENÇÃO (BOMBA DE INJEÇÃO DE COMBUSTÍVEL)	267
VÁLVULA DE VENTILAÇÃO (SEPARADOR DE ÁGUA)	279

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

ÍNDICE

Designação	Página
VÁLVULA PARA TIRAR AMOSTRAS DE FLUIDOS (ÓLEO DO MOTOR)	76
VÁLVULA (PARTIDA A ÉTER)(24 VOLTS)	419
VÁLVULA (ROSCA DE 3/4 PTF) (AQUECEDOR DE ÁGUA DE CAMISA)	398
VÁLVULA (VERIFIQUE)(BOMBA DE TRANSFERÊNCIA DE COMBUSTÍVEL)	271
VÁLVULA (24 VOLTS)(PARTIDA A ÉTER)	420
VENTILADOR DE SOPRO	97
	98
VENTILADOR DE SUCÇÃO	99
VIRABREQUIM	21
VOLANTE DO MOTOR	47

W

*WIRING GP-PANEL	448

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

STICHWORTVERZEICHNIS

Bezeichnung	Seite
A	
ABDECKUNGS-REPARATURSATZ (DREHZAHLREGLER)	248
ABLASSSTOPFEN (ÖLWANNE)	66, 67
ABLASSSTOPFEN (SCHWUNGRADGEHÄUSE)	56
ABLASSSTOPFEN (WÄRMETAUSCHER)	101, 103
ABSTELLMAGNETSPULE	416, 418
ABZWEIGKASTEN	309, 312, 314, 316
AKTUATORBEFESTIGUNG	526
ALARMMODUL	472, 473, 474, 475, 476, 477, 478, 479, 480, 481
ALARMSCHALTER	359, 360
ALARMSTEUERMODUL	450, 451, 452, 453, 454, 455, 456, 457, 458, 459
ANBAUSATZ (UMLAUFKÜHLWASSERHEIZUNG)	398
ANHÄNGER - HINWEIS (STARTHILFE)	419, 420
ANSAUGKRÜMMER	180
ANSCHLUSS, ELEKTR.	350, 352, 354, 355
ANSCHLUSSKASTEN	307, 308
ANSCHLUSSKASTENDECKEL	364
ANSCHLUSSKLEMMENSATZ (DREHSTROMGENERATOR)	298
ANSCHLUSSKLEMMENSATZ (FÜR UNTERBRECHER)	328, 329, 330, 331, 332, 333, 334
ANZEIGE (MOTORÖLDRUCK)	513, 515
ANZEIGE (WASSERTEMPERATUR)	513, 515
ANZEIGESCHALTER (LECKS)	284, 286, 287, 288
ÄTHERSPRÜHGERÄT	419
ÄTHERSTARTHILFE	419, 420
ÄTHERSTARTHILFEZYLINDER	419, 420
AUFKLEBER - AKUSTIKMELDER (STEUERTAFEL)	451, 452, 453
AUFKLEBER - GENERATORVERDRAHTUNG	388, 391, 392, 552
AUFKLEBER - INFORMATION (*SYMBOL DESCRIPTION)	654, 655
AUFKLEBER - KLEMMLEISTE	400, 401, 552
AUFKLEBER - SCHNITTSTELLE (KOMMUNIKATIONSMODUL)	493
AUFKLEBER - STEUERTAFEL	502, 504
AUFKLEBER - STEUERTAFEL (ALARMMODUL)	459
AUFKLEBER - STEUERTAFEL (AUTOM. STARTHILFE)	507
AUFKLEBER - STEUERTAFEL (*EMCP II - GRAPHIC/TEXT)	465, 466
AUFKLEBER - STEUERTAFEL (EMCPII RELAISTREIBERMODUL)	483
AUFKLEBER - STEUERTAFEL (EUI - EMCPII+)	463
AUFKLEBER - STEUERTAFEL (GSC+ - EMCPII+)	464

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
AUFKLEBER - STEUERTAFEL (GSC+ - EMCPII+)	463
AUFKLEBER - STEUERTAFEL (KUNDENSPEZIFISCHE ALARMMODUL IDENTS)	455 457
AUFKLEBER - STEUERTAFEL (KUNDENSPEZIFISCHES ALARMMODUL) (V1)	455
AUFKLEBER - STEUERTAFEL (KUNDENSPEZIFISCHES ALARMMODUL) (V2)	457
AUFKLEBER - STEUERTAFEL (MANUELLE STARTHILFE)	498
AUFKLEBER - STEUERTAFEL (MANUELLE STARTHILFE)	500 502 504
AUFKLEBER - VERBINDUNG (RAUMHEIZUNG)	658
AUFKLEBER -SYNCHRONISIERTAFEL (EMCP)	485
AUFKLEBER -SYNCHRONISIERTAFEL (EMCP - ENGLISCH/FRANZÖSISCH)	484
AUFKLEBER (*ANNUNCIATOR)	450
AUFKLEBER (ANWEISUNG) (*PRE-START) (VOLTAGE CONTROL)	626 629
AUFKLEBER-ANZEIGE (KOMMUNIKATIONSMODUL)	493
AUFKLEBER-EMCP II	498 500
AUFKLEBER-EMCP II (*GRAPHIC/TEXT)	465
AUFKLEBER (KLEMMLEISTE)	320 323 324 325 335 338 340 341 342 343 344 345 348
AUFKLEBER (KLEMMLEISTE)	321 322
AUFKLEBER (STEUERTAFEL IDENT)	507
AUFKLEBER (*TERMINAL STRIP)	336 337 339
AUSGANGS-ANSCHLUSSKLEMMENSATZ (DREHSTROMGENERATOR)	293 296
AUSGLEICHSBEHÄLTER	139
AUSGLEICHSFEDER-EINBAUSATZ (DREHZAHLREGLER)	248
AUSLASSVENTIL (ZYLINDERKOPF)	33
AUSPUFFANSCHLUSS	142 143 164 165 166 167 168 169
AUSPUFFBOGEN	158 159 160 161 162 163
AUSPUFFKRÜMMER	178 179
AUSPUFFLANSCH	171 172 173
AUSPUFFROHR	191 192 193

B

*BAR GP-GROUND	508
BATTERIE	304 305 306
BATTERIE (*LITHIUM) (*3 VOLT)	493
BATTERIE (WARTUNGSFREI) (12 V)	306
BATTERIE (12 V)	304 305
BATTERIEKABEL	319
BATTERIELADEGERÄT	300 301 302 303
BATTERIELADEGERÄT-HALTETEIL	367 368
BATTERIETRÄGER	429 430 431 433 435
BEFESTIGUNGSHALTERUNG	65
BEFESTIGUNGSTEILE (DREHSTROMGENERATOR)	298
BEFESTIGUNGSTEILE (STARTERMOTOR)	422
BEILAGSCHEIBEN-SATZ (STARTERMOTOR)	422

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
BELEUCHTUNGSANLAGE (GRÜN)	518
BELEUCHTUNGSANLAGE (ROT)	518
BELEUCHTUNGSANLAGE (*120 VOLT/3 WATT)	498
	500
	503
	505
BELEUCHTUNGSANLAGE (*120 VOLT/3 WATT) (SCHALTTAFELLEUCHTE)	508
BELEUCHTUNGSANLAGE (3 W) (LÖSCHEN)	506
	512
BELÜFTUNGSVENTIL (WASSERABSCHEIDER)	279
BETRIEBSSTUNDENZÄHLER	470
	471
BLOCK (MOTORÖLKÜHLER)	95
BLOCK (WÄRMETAUSCHER)	103
BUCHSEN-EINBAUSATZ (STARTERMOTOR)	425
	427
BÜRSTEN-EINBAUSATZ (STARTERMOTOR)	422
	425
	427
BÜRSTENHALTER (STARTERMOTOR)	425
	427
BÜRSTENSATZ (DREHSTROMGENERATOR)	298

C

*CONTROL GP-SOLENOID	363
*CONVERSION AR-FAST FILL	653
*COVER GP-PROTECTIVE LIFT	554

D

DÄMPFER UND RIEMENSCHEIBE	38
DÄMPFERVERKLEIDUNG	55
DICHTUNG - THERMOSTATABDECKUNG	111
DICHTUNG - THERMOSTATABDECKUNG (AUSGLEICHSTANK)	139
DICHTUNG (KRAFTSTOFFENTLÜFTUNGSPUMPE)	270
DICHTUNG (ÖLWANNE)	66
DICHTUNGSSATZ (WASSERPUMPE)	122
DIODE	366
DREHMOMENTSTEUERHEBEL	291
	292
DREHSTROMGENERATOR	293
	296
	298
DREHSTROMGENERATOR - BEFESTIGUNG	61
	63
DREHSTROMGENERATOR-RIEMENSCHEIBE	63
DREHZAHLMESSER	525
DREHZAHLMESSER, ELEKTR.	525
DREHZAHLMESSERANTRIEB	228
DREHZAHLREGLER	206
	207
	208
DREHZAHLREGLER-SERVOVENTIL	243
DREHZAHLREGLERANSCHLAG-SATZ	248
DREHZAHLREGLERGESTÄNGE-EINBAUSATZ	248
DREHZAHLREGLERKOLBEN-EINBAUSATZ	248
DREHZAHLREGLERVENTIL-EINBAUSATZ	248
DREHZAHLSENSOR	410
	411
	412
DREHZAHLSENSOR (*ENGINE/MAGNETIC/LOW OUTPUT)	411
DREHZAHLSENSOR (MOTOR)	412
DRUCKKNOPFSCHALTER (ALARMABSTELLUNG)	454
DRUCKKNOPFSCHALTER (BEDIENUNGSPERSONAL) (NOTABSTELLUNG)	312
DRUCKKNOPFSCHALTER (BEDIENUNGSPERSONAL) (NOTABSTELLUNG)	309
DRUCKKNOPFSCHALTER (LAMPENPRÜFSCHALTER)	454
DRUCKKNOPFSCHALTER (NOTABSTELLUNG)	417
	508
DRUCKLÜFTER	97
	98
DRUCKLÜFTERROTORSTERN (6 FLÜGEL)	97
DRUCKLUFTLEITUNGEN	175
	176
	177
DRUCKSCHALTER (MOTORÖL)	359
	360
DRUCKSCHALTER (MOTORÖL)	309
	312
DRUCKSCHALTER (ÖL)	358
DRUCKSENSOR	408
	409
DRUCKSENSOR (MOTORÖL)	361
	468
	654
	655
DRUCKVENTILDECKEL (7 PSI) (KÜHLER)	124
	137

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
E	
EINFÜLLKAPPE (MOTORÖL)	80
EINFÜLLSATZ (MOTORÖL)	80
EINLASSVENTIL (ZYLINDERKOPF)	33
EINSATZ (TURBOLADER)	154
	156
ELEMENT (KRAFTSTOFF-/WASSERABSCHEIDER)	279
ENTDUNSTER	83
ENTLASTUNGSFITTING (LÜFTERANTRIEB)	44
ENTLÜFTER	78
ENTLÜFTER (KURBELGEHÄUSE)	78
F	
FILTER (KRAFTSTOFFKAPPE)	282
FLANSCH	170
FLÜSSIGKEITSSTANDSCHALTER (KRAFTSTOFFSTAND NIEDRIG)	284
	285
	286
	287
	288
FLÜSSIGKEITSSTANDSENSOR	406
	407
FLÜSSIGKEITSSTANDSENSOR (MOTORKÜHLMITTEL)	654
	655
FUNKENTSTÖRUNGS-FILTERSATZ	657
FUNKSTÖRUNGSFILTER-HALTETEILE	557
G	
GEBER (ÖLDRUCK)	358
GEHÄUSEDICHTUNG	524
GENERATOR	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
GENERATOR-MASSEKABEL	544
	545
GENERATORABDECKUNG	535
GENERATORANSCHLUSS	13
	14
GENERATORANSCHLÜSSE	546
	548
	549
	551
GENERATORMOTOR	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
GENERATORVERKLEIDUNG	537
	539
	540
	541
GRUNDAUSFÜHRUNG	7
	8
	9
	10
	11
H	
HALTER (STARTERMOTOR)	422
HALTETEILE (KRAFTSTOFFEINSPRITZPUMPE)	229
	230
*HARNESS AS-PANEL	379
HAUPTFILTER	149
	152
HEBEL-EINBAUSATZ (STARTERMOTOR)	425
	427
HEIZSTARTSCHALTER	442
HILFSRELAIS	403

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite

I

IDENTIFIKATIONSSCHILD (ABZWEIGKASTEN) 309, 312
IDENTIFIZIERUNGS-AUFKLEBER (KUNDENSPEZIFISCHES SCHNITTSTELLENMODUL) 482
IDENTIFIZIERUNGS-AUFKLEBER (RÜCKLEISTUNG) 498, 500, 502, 504
IDENTIFIZIERUNGS-AUFKLEBER (STEUERTAFEL) 498, 500, 502, 504
IDENTIFIZIERUNGS-AUFKLEBER (STEUERTAFELVERDRAHTUNG) 498, 500, 502, 504, 508
IDENTIFIZIERUNGS-AUFKLEBER (10 A DC SICHERUNG) 213
IDENTIFIZIERUNGS-AUFKLEBER (10A DC SICHERUNG) 241, 363, 417, 498, 500, 502, 504, 508
IDENTIFIZIERUNGS-AUFKLEBER (2A DC SICHERUNG) 498, 500, 502, 504, 508
IDENTIFIZIERUNGS-AUFKLEBER (20 A DC SICHERUNG) 417
INASTRUMENTENTAFEL-EINBAUSATZ 495
INSTRUKTIONS-AUFKLEBER (DIREKTES ELEKTRISCHES STARTEN) 419, 420
INSTRUKTIONS-AUFKLEBER (ECMP II+ START) 655
INSTRUKTIONS-AUFKLEBER (*ECMP II STARTING) 654
INSTRUKTIONS-AUFKLEBER (SPANNUNGS-STEUEREINSTELLUNG) 625, 627
INSTRUKTIONS-AUFKLEBER (VORSTARTPAKET) 625
INSTRUKTONSSCHILD (HEIZSTART) 442
INSTRUMENTENBRETT-AUFKLEBER (INSTRUMENT) 518
INSTRUMENTENTAFEL 513, 515, 517, 518, 519, 520, 521, 522, 523
INSTRUMENTENTAFEL-KABELSTRANG (ELEKTRON.) 508
ISOLATOR-EINBAUSATZ (STARTERMOTOR) . . . 427
ISOLATOR-EINBAUSATZ (STARTERMOTOR) . . . 425

K

KABELSTRANG 376, 377, 378
KABELSTRANG (ANSCHLUSSKASTEN) 309, 312
KABELSTRANG (*DC)(ELECTRONIC PANEL) . . . 507
KABELSTRANG (DREHZAHLREGLER) 508
KABELSTRANG (*ELECTRONIC PANEL AS HARNESS) 507
KABELSTRANG (*MANUAL VOLTAGE CONTROL)(NO. 1) 362
KABELSTRANG (*MANUAL VOLTAGE CONTROL)(NO. 2) 362
KEILRIEMEN (DREHSTROMGENERATOR) 61, 63
KEILRIEMENSATZ (EINSCHL. 2 RIEMEN) (LÜFTERANTRIEB) 42
KEILRIEMENSATZ (EINSCHL. 3 RIEMEN) (LÜFTERANTRIEB) 40
KEILRIEMENSATZ (EINSCHL. 3 RIEMEN) (LÜFTERANTRIEB) 44
KERAMIKSICHERUNG (10 A) 573, 577, 581, 585, 589, 593, 597, 601, 605, 609, 613

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
	617
KIPPSCHALTER	447
KIPPSCHALTER (EINPOLIG) (INSTRUMENTEN-TAFELLEUCHTEN)	512
KIPPSCHALTER (EINPOLIG) (INSTRUMENTEN-TAFELLEUCHTEN)	506
KIPPSCHALTER (EINPOLIG) (SCHALTTAFEL-LEUCHTE)	499
	501
	503
	505
KIPPSCHALTER (EINPOLIG) (SCHALTTAFEL-LEUCHTE)	508
KIPPSCHALTER (STARTHILFE)	446
KIPPSCHALTER (STARTHILFE/EIN-MOMENTAN-AUS)	447
KIPPSCHALTER (SYNCHRNISIERLEUCHTEN-STEUERUNG)	484
	485
KIPPSCHALTER (ZWEIPOLIG) (DREHZAHL-REGLER)	441
KLEMMLEISTE	552
KRAFTSTOFF-ENTLÜFTUNGSPUMPE	270
KRAFTSTOFFDRUCKANZEIGE	469
	513
	515
KRAFTSTOFFEINSPRITZLEITUNGEN	256
	257
	258
	259
	261
KRAFTSTOFFEINSPRITZPUMPE	265
	267
	268
KRAFTSTOFFHAUPTFILTER	238
KRAFTSTOFFILTER	234
	235
	236
	237
KRAFTSTOFFILTER (HAUPTELEMENT)	235
KRAFTSTOFFILTER (HOCHLEISTUNG)	234
KRAFTSTOFFILTERLEITUNGEN	253
	255
KRAFTSTOFFLEITUNGEN, ELAST.	251
	252
KRAFTSTOFFÖRDERPUMPE	271
KRAFTSTOFFÖRDERPUMPE UND BEFESTIGUNGSTEILE	264
KRAFTSTOFFÖRDERPUMPENDECKEL	221
KRAFTSTOFFPUMPENGEHÄUSE	265
KRAFTSTOFFSCHALTER (NIEDRIGER KRAFTSTOFFSTAND)	285
	287
KRAFTSTOFFSTANDANZEIGE	284
	285
	286
	287
	288
KRAFTSTOFFSTEUERUNG	213
KRAFTSTOFFTANK	284
	285
	286
	287
	288
	289
	290
KRAFTSTOFFTANK U. UNTERBAU	209
KRAFTSTOFFTANK UND SOCKEL	282
KRAFTSTOFFTANKKAPPE	282
KRÜMMERSCHILD	196
KÜHLER	124
	126
	128
	130
	132
	134
	137
KÜHLERAUFHÄNGUNG	117
KÜHLERBLOCK	128
KÜHLERKAPPE	132
	139
KÜHLERKAPPE (7 PSI)	134
KÜHLERSCHUTZ	100
KÜHLMITTELABLASSLEITUNGEN	109
KÜHLWASSERLEITUNGEN	110
	111
	113
	114
	115
KÜHLWASSERLEITUNGEN (LADELUFTKÜH-LER)	107
KÜHLWASSERLEITUNGSDECKEL	96
KÜHLWASSERPUMPE	121
	122
KÜHLWASSERPUMPEN-REGENERIERSATZ (WASSER)	122
KURBELWELLE	21
KURBELWELLENDICHTUNG	21

L

LADELUFTKÜHLER, WASSERGEKÜHLT	145
LAGERSATZ (STARTERMOTOR)	422
LEUCHTE (FARBLOS)	518
LEUCHTE (*120 VOLT, 6 WATT)	485
LEUCHTE (24 V)	498

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
	500
	503
	505
	508
LEUCHTE (24 V) (LÖSCHEN)	506
	512
LEUCHTE (6 W)	484
LEUCHTENLINSE (FARBLOS)	484
	485
LUFTEINLASS-ABSTELLVORRICHTUNG	198
LÜFTERANTRIEB	40
	42
	44
LÜFTERRIEMENSCHEIBE	40
	42
LUFTFILTER	148
LUFTFILTER-WARTUNGSANZEIGE	147
	150
	151
LUFTREINIGER	147
	148
	149
	150
	151
	152
LUFTREINIGER-ANBAUSATZ	181
LUFTREINIGERANSCHLUSS	144
LUFTREINIGERHAUBE	174
LUFTREINIGERKLEMMEN-EINBAUSATZ	148
LUFTREINIGERKLEMMEN-EINBAUSATZ (EINSCHL. KLAMMER UND NIETE)	144

M

MAGNETSCHALTER (STARTERMOTOR)	508
MAGNETSCHALTER (24 V) (DUALSTARTERMOTOREN)	499
	501
	503
	505
MAGNETSCHALTER (24 V) (STARTERMOTOR)	314
MAGNETSPULE (24 V) (STARTERMOTOR)	422
MAGNETSPULE (24 V) (STARTERMOTOR)	425
	427
MOTOR- UND GENERATORAUFLAGER-SOCKEL	529
	530
	531
	533
MOTORAUFHÄNGUNG	74
MOTORAUSFÜHRUNG	1
	2
	4
	5
	6
MOTORBLOCK	22
	23
	25
	27
	29
	31
MOTORBLOCKDECKEL	15
	16
MOTORHUBÖSE	59
	60
MOTORKABELSTRANG (*ELECTRONIC PANEL)	507
MOTORNENNLEISTUNGSSTEUERUNG, ELEKTRON.	361
MOTORÖLABLASSLEITUNGEN	89
	90
MOTORÖLEINFÜLLSTUTZEN	80
MOTORÖLKÜHLER	95
MOTORÖLLEITUNGEN	88
MOTORSOCKELAUSLASS-HALTETEIL	528
MOTORSTARTSCHALTER (4 STELLUNGEN)	501
	503
	505
	508
MOTORSTARTSCHALTER (4 STELLUNGEN) (MOTORSTEUERUNG)	499
MOTORÜBERWACHUNGSSTEUERUNG	468
MOTORVERKLEIDUNG	542

N

NADELVENTIL (*THROTTLE RESPONSE)	244
NEBENANTRIEB	39
NOCKENWELLE	12
NOTABSCHALTER, ELEKTR.	414
	415
	416
	417
NOTABSCHALTER, MANUELL	281

O

ÖLFILTER	81
	82
ÖLFILTERSOCKEL	76
	77
ÖLMESSSTAB	84
	85
	86
	87

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
ÖLPUMPEN-BEFESTIGUNGSTEILE	79
ÖLWANNE	66, 67, 68
ÖLWANNENDICHTUNG	67

P

Bezeichnung	Seite
*PANEL AS	502
PLEUELSTANGE UND KOLBEN	69, 70, 72
PROBEENTNAHMEVENTIL (MOTORÖL)	76

R

Bezeichnung	Seite
RAUMHEIZUNGS-EINBAUSATZ	658
REGENKAPPE	153
REGENKAPPE (ABGASANSCHLUSS)	164, 165
REGENKAPPE (SCHALLDÄMPFER)	189, 190
REGENSCHUTZ	197
REGLER	239, 242, 243, 248
REGLER, ELEKTRON	240, 241
REGLER-HALTETEILE	231, 233
REGLER-REPARATURSATZ	248
REGLER UND KRAFTSTOFFEINSPRITZPUMPE	272, 273, 274, 275
REGLER UND KRAFTSTOFFPUMPENANTRIEB	225, 227
REGLER (24 V) (DREHSTROMGENERATOR-SPANNUNG)	293, 296
REGLERANTRIEB	222
REGLERANTRIEB UND KRAFTSTOFFEINSPRITZPUMPE	277, 278
REGLERANTRIEBSGEHAEUSE	250
REGLERSCHALTER	441
REGLERSTELLGLIED - BEFESTIGUNG	263
REGLERSTEUERUNG	210, 211, 212, 214, 215, 217, 218, 219, 220
RELAIS	402
RELAIS (*EMCP CONTROL)	449
RELAIS-STELLGLIEDMODUL	482, 483
RELAIS (24 V) (KRAFTSTOFFABSPERRUNG)	309, 312
RELAISANSCHLUSSKLEMMENSATZ (DREHSTROMGENERATOR)	293, 296
REPARATURSATZ (DREHZAHLREGLER)	248
RIEMENSCHUTZ	49, 51, 52, 54
ROTOR	634, 635, 636, 637, 638, 639

S

Bezeichnung	Seite
SAMMELSCHIENENSATZ	400, 401
SAUGGLOCKENSIEB (MOTORÖL)	88
SAUGLÜFTER	99
SCHALLDÄMPFER	185, 186, 187, 188, 189, 190
SCHALLDÄMPFERSTÜTZEN	182, 183, 184
SCHALTER	441, 446
SCHALTER (ALARMABSTELLUNG)	518
SCHALTER (ÄTHERSTARTHILFE EIN/AUS)	419, 420
SCHALTER (KRAFTSTOFFDRUCK)	219, 220
SCHALTER (LAMPENPRÜFSCHALTER)	459
SCHALTER (SCHALTTAFELTEST)	451
SCHALTER (*VOLTAGE CONTROL)(MAN/OFF/AUTO)	362

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
SCHALTSCHUETZ-ANBAUSATZ	393, 394, 396, 397
SCHALTSCHÜTZ	358
SCHALTTAFEL	496, 497, 500, 502, 504
SCHALTTAFEL - TABELLE	643
SCHALTTAFEL, ELEKTRON.	506, 507, 512
SCHILD UND AUFKLEBER (MOTOR) (*ENGINE RATING)	653
SCHMIERNIPPEL (LÜFTERANTRIEB)	40, 42, 44
SCHMIERNIPPEL (1/8-27-GEWINDE) (LÜFTERANTRIEB)	40, 42
SCHMIERPUMPE	93, 94
SCHNITTSTELLENMODUL	384
SCHRAUBEN-REPARATURSATZ (DREHZAHLREGLER)	248
SCHWUNGRAD	47
SCHWUNGRADGEHÄUSE	56
SCHWUNGRADGEHÄUSEDECKEL	17
SENSORANSCHLUSSSATZ (2POLIG)	376
SENSORANSCHLUSSSATZ (2POLIG) (*CONTROL PANEL WIRING HARNESS)	496, 497
SENSORANSCHLUSSSATZ (2POLIG) (KRAFTSTOFFBEHÄLTERBRUCH)	377
SENSORANSCHLUSSSATZ (2POLIG) (NIEDRIGER KRAFTSTOFFSTAND)	377
SENSORANSCHLUSSSATZ (2POLIG) (*WIRING HARNESS)	448
SENSORANSCHLUSSSATZ (*3-PIN) (*CONTROL PANEL WIRING HARNESS)	496, 497
SENSORANSCHLUSSSATZ (*3-PIN) (*ELECTRONIC PANEL DC HARNESS)	507
SENSORANSCHLUSSSATZ (*3-PIN) (*ELEK PANEL ENGINE HARNESS)	507
SENSORANSCHLUSSSATZ (*3-PIN) (STEUERTAFEL)	498, 500, 503, 505
SENSORANSCHLUSSSATZ (3POLIG)	376
SENSORANSCHLUSSSATZ (3POLIG) (MOTORKÜHLMITTELVERLUSTSENSOR)	376
SENSORANSCHLUSSSATZ (3POLIG) (*WIRING HARNESS)	448
SENSORANSCHLUSSSATZ (4 POLIG)	376
SENSORANSCHLUSSSATZ (*6-PIN) (*ELEK PANEL ENGINE HARNESS)	507
SENSORANSCHLUSSSATZ (*6-PIN) (STEUERTAFEL)	498, 500, 503, 505
SENSORANSCHLUSSSATZ (6POLIG) (*WIRING HARNESS)	448
SENSORANSCHLUSSSATZ (*8-PIN) (*EMCP ELECTRONIC CONTROL)	460
SENSORANSCHLUSSSATZ (8POLIG) (*EMCP CONTROL)	462
SICHERHEITSFILTER	149
SICHERUNG (0,75 A)	240
SICHERUNG (1 A)	384, 468
SICHERUNG (10 A)	241, 363, 417, 498, 500, 502, 504
SICHERUNG (10 A)	508
SICHERUNG (12 A)	362, 623, 624, 632
SICHERUNG (*12 AMPERE)	622
SICHERUNG (2 A)	239, 498, 500, 502, 505, 508
SICHERUNG (20 A)	213, 417
SIEB (*GOV & FUEL INJ PUMP)	275
SOLENOID (*SHUTOFF)	414
SPANNUNGSREGLER	622, 623, 624, 625, 626, 627, 628, 629

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
	630
	631
	632
	633
SPANNUNGSREGLER - EINBAUSATZ	621
SPANNUNGSREGLER (*24 VOLT) (ALTERNATOR)	298
SPANNUNGSRELAIS	404
	405
SPANNUNGSSTEUERUNG, MANUELL	363
SPANNUNGSSTEUERUNG, MANUELL	362
SPERRVENTIL (KRAFTSTOFFEINSPRITZPUMPE)	267
STARTERMOTOR	421
	422
	424
	425
	427
STARTERMOTOR-DICHTUNGSSATZ	422
STARTERMOTOR-STIFTEINBAUSATZ	422
STARTSCHALTER	443
STAUBKAPPE (MOTORLUFTFILTER)	76
STECKDOSEN - EINBAUSATZ (2POLIG)	376
STECKDOSEN - EINBAUSATZ (2POLIG) (HOHER KRAFTSTOFFSTAND)	377
STECKDOSEN - EINBAUSATZ (2POLIG) (KRAFTSTOFFBEHÄLTERBRUCH)	377
STECKDOSEN - EINBAUSATZ (2POLIG) (MOTORDREHZAHLSENSOR)	411
STECKDOSEN - EINBAUSATZ (2POLIG) (*WIRING HARNESS)	448
STECKDOSEN - EINBAUSATZ (3POLIG)	376
STECKDOSEN - EINBAUSATZ (3POLIG) (*CONTROL PANEL INSTALLATION)	654
	655
STECKDOSEN - EINBAUSATZ (3POLIG) (*COOLANT LOSS SENSOR)	406
	407
STECKDOSEN - EINBAUSATZ (3POLIG) (*ELEC GOVERNOR ACTUATOR HARNESS)	378
STECKDOSEN - EINBAUSATZ (3POLIG) (ELEKTRONISCHER WANDLER-BETÄTIGER)	377
STECKDOSEN - EINBAUSATZ (3POLIG) (*EMCP ELECTRONIC CONTROL)	461
STECKDOSEN - EINBAUSATZ (3POLIG) (MOTORKÜHLMITTELVERLUSTSENSOR)	376
STECKDOSEN - EINBAUSATZ (3POLIG) (MOTORÖLDRUCKSENSOR)	408
	409
STECKDOSEN - EINBAUSATZ (3POLIG) (TEMPERATURSENSOR)	413
STECKDOSEN - EINBAUSATZ (3POLIG) (*WIRING HARNESS)	448
STECKDOSEN - EINBAUSATZ (4 POLIG)	376
STECKDOSEN - EINBAUSATZ (4 POLIG) (BATTERIELADUNG)	376
STECKDOSEN - EINBAUSATZ (4 POLIG) (KRAFTSTOFFSTAND - HOCH/NIEDRIG)	377
STECKDOSEN - EINBAUSATZ (6POLIG)	376
	654
STECKDOSEN - EINBAUSATZ (6POLIG) (*CONTROL PANEL INSTALLATION)	654
	655
STECKDOSEN - EINBAUSATZ (6POLIG) (*WIRING HARNESS)	448
STECKDOSEN - EINBAUSATZ (8POLIG) (*ELEK PANEL ENGINE HARNESS)	507
STECKDOSEN - EINBAUSATZ (8POLIG) (STEUERTAFEL)	498
	500
	503
	505
STEUERPULTTRÄGER	494
STEUERTAFEL - EINBAUSATZ	654
	655
STEUERUNG - EMCP	460
	461
	462
	463
	464
	465
	466
	467
	468
STEUERUNG - EMCP (RELAIS)	463
STEUERUNG, ELEKTRON. - EMCP	449
STIRNRAD	48
STIRNRADGEHÄUSE	57
STIRNRADGEHÄUSE-HALTETEILE	46
STIRNRADGEHÄUSEDECKEL	18
STROMWANDLER	641
	642
*SWITCH AS	437
	438
*SWITCH AS (FERNSCHUTZSCHALTERSTATUS)	440
*SWITCH AS (SCHUTZSCHALTERSTATUS)	440
*SWITCH GP-AUXILIARY	440
*SWITCH GP-ENGINE	440
	441
SYNCHRON-LICHTMODUL	484
	485
	487
	488

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
	489
	490
	491
SYSTEMKOMMUNIKATIONSMODUL	492
	493

T

TABELLE - SCHILD U. AUFKLEBER	653
TEMPERATURGEBER (WASSER)	358
TEMPERATURSCHALTER	439
	444
	445
TEMPERATURSCHALTER (ALARM F. ZU NIEDRIGE WASSERTEMPERATUR)	444
TEMPERATURSCHALTER (ÄTHERSTARTHILFE)	419
	420
TEMPERATURSCHALTER (WASSER)	358
TEMPERATURSENSOR	413
TEMPERATURSENSOR (MOTORKÜHLMITTEL)	361
	654
	655
TEMPERATURSENSOR (WASSER)	468
THERMOSTAT (UMLAUFKÜHLWASSERHEIZUNG) (20 BIS 80 GRAD CELSIUS)	380
TRANSFORMATOR	640
TURBOLADER	200
	201
	202
	203
	204
	205
TURBOLADEREINSATZ	154
	156
	204
TURBOLADERÖLLEITUNGEN	91
	92

U

ÜBERDRUCKVENTIL-EINBAUSATZ (DREHZAHLREGLER)	248
ÜBERSTROMRELAIS	403
UMLAUFKÜHLWASSERHEIZUNG	380
	381
	382
	383
UNTERBRECHER	320
	321
	322
	323
	324
	325
	326
	327
	328
	329
	330
	331
	332
	333
	334
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	346
	347
	348
	349
UNTERBRECHER-ANBAUSATZ	385
	386
	388
	389
	390
	391
	392
UNTERBRECHER (10 A) (LOGIKSCHALTUNG)	309
	312
UNTERBRECHER (1000 A)	321
UNTERBRECHER (1200 A)	322
UNTERBRECHER (12,5 A)	314
	497
	500
	502
	504
	508
UNTERBRECHER (20 A)	498
	500
	502
	504
UNTERBRECHER (20 A) (KRAFTSTOFFABSTELLSOLENOID)	309
	312
UNTERBRECHER (*320-400 AMPERE, ADJ TRIP)	346

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

STICHWORTVERZEICHNIS

Bezeichnung	Seite
UNTERBRECHER (*500-630 AMP)(ADJ TRIP)	347
UNTERBRECHER (60 A)	314, 385
UNTERBRECHER (*700 AMP)	321
UNTERBRECHER (800 A)	321
UNTERBRECHER (*800 AMPERE)	320, 323
UNTERBRECHERABDECKUNG	365

V

VENTIL (ÄTHERSTARTHILFE)(24 V)	419
VENTIL (*CHECK)(FUEL TRANSFER PUMP)	271
VENTIL (LUFTABSPERRUNG)	198
VENTIL (*24 VOLT)(ETHER START)	420
VENTIL (*3/4 PTF THD) (UMLAÜFKÜHLWASSERHEIZUNG)	398
VENTILDECKEL	20
VENTILKIPPHEBEL	73
VENTILSITZEINSATZ (AUSLASS)	37
VENTILSITZEINSATZ (EINLASS)	37
VENTILSTEUERUNG	75
VERDRAHTUNG - HALTETEILE	374
VERDRAHTUNGSKABELBAUMHALTETEILE	371, 375
VERKLEIDUNG	536
VERLÄNGERUNGSKABEL	317, 318
VERLÄNGERUNGSKASTEN - BEFESTIGUNG	369, 370
VORREINIGER	194, 195

W

WAERMEAUSTAUSCHER-EINBAUSATZ	116
WÄRMEAUSTAUSCHER - SEEWASSER	101, 103, 105, 106
WARNAUFKLEBER (*SECONDARY STOP ACCESS)	654, 655
WARNAUFKLEBER (STROMSCHLAGGEFAHR)	498, 500, 502, 504, 507
WARNSCHILD (HEISSSE OBERFLÄCHE)	542
WARTUNGSMESSER	470, 471
WASSERABSCHEIDER	279, 280
WASSERPUMPENFILTER	122
WASSERTEMPERATUR - SCHALTSCHÜTZ	357
WASSERTEMPERATURREGLER (92 GRAD CELSIUS)	111
WASSERTEMPERATURREGLER (92 GRAD CELSIUS) (AUSGLEICHSTANK)	139
WELLEN-EINBAUSATZ (DREHZAHLREGLER)	248
*WIRING GP-PANEL	448

Z

ZUGANGSKLAPPE	555, 556
ZUSATZSCHALTER (SCHUTZSCHALTER - STELLUNGSANZEIGE)	440
ZUSATZSCHALTER (SCHUTZSCHALTER-ALARM)	441
ZUSATZSCHALTER (SCHUTZSCHALTERSTELLUNG)	441
ZUSATZSÜSSWASSERPUMPE	118, 120
ZYLINDERKOPF	32, 33, 34, 36, 37

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

MEMORANDA

ENGINE ARRANGEMENT

217-8407 ENGINE AR

S/N: 1DZ3603-UP
50 HERTZ - 3% GOVERNOR, 1500 RPM. #1 FLYWHEEL HOUSING
PART OF 217-8402 GENERAL AR

SMCS-1000 **i01694833**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*2N-8220*	1	BREATHER GP	78
Y	*7W-3798*	1	CAMSHAFT GP	12
Y	*7W-2206*	1	COOLER GP-ENGINE OIL	95
Y	*1W-5106*	1	COVER GP-CYLINDER BLOCK	15
Y	*4N-4792*	1	COVER GP-FLYWHEEL HOUSING	17
Y	*1W-1395*	1	COVER GP-FRONT HOUSING	18
Y	*4N-4953*	1	COVER GP-VALVE MECHANISM	20
Y	*9N-0685*	1	COVER GP-WATER LINES	96
Y	*4N-0741*	1	CRANKSHAFT GP	21
YR	*8N-9267*	1	CYLINDER BLOCK GP	25
YR	*4W-2436*	1	CYLINDER HEAD GP	32
Y	*4P-5894*	1	DAMPER & PULLEY GP	38
Y	*8N-9653*	1	DRIVE GP-ACCESSORY	39
Y	*4P-1365*	1	DRIVE GP-GOVERNOR & FUEL PUMP	225
Y	*4N-6006*	1	FASTENER GP-FRONT HOUSING	46
Y	*1W-7376*	1	FASTENER GP-FUEL INJ PUMP	229
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	79
Y	**6N-1016**	1	FILLER GP-ENGINE OIL	80
Y	*154-4326*	1	FILTER GP-ENGINE OIL	81
Y	**4N-1981**	1	FILTER GP-FUEL	234
Y	*7N-3060*	1	FLYWHEEL GP	47
Y	*7N-8084*	1	GAUGE GP-OIL LEVEL (DIPSTICK)	86
Y	*8N-9246*	1	GEAR GP-FRONT	48
Y	*106-7410*	1	HOUSING GP-FLYWHEEL	56
Y	*1W-1468*	1	HOUSING GP-FRONT	57
Y	*4N-1331*	1	LIFTING GP-ENGINE	59
Y	*4N-0875*	1	LINES GP-AIR	175
Y	*4N-1128*	1	LINES GP-ENGINE OIL	88
Y	*191-2205*	1	LINES GP-ENGINE OIL DRAIN	89
Y	*2W-3452*	1	LINES GP-FUEL FILTER	253
Y	*9Y-3070*	1	LINES GP-FUEL INJECTION	259
Y	*4N-5394*	1	LINES GP-TURBOCHARGER OIL	92
Y	*4N-1641*	1	LINES GP-WATER	111
Y	*4N-0754*	1	MANIFOLD GP-EXHAUST	178
Y	*1N-4471*	1	MANIFOLD GP-INLET	180
Y	*4N-0756*	1	PAN GP-OIL	66
Y	*7N-3516*	6	PISTON & ROD GP	70
Y	*2W-4381*	1	PUMP & MTG GP-FUEL TRANSFER	264
YR	**161-4111**	1	PUMP GP-ENGINE OIL	93
Y	*145-8855*	1	PUMP GP-FUEL PRIMING	270
Y	*4P-0667*	1	PUMP GP-GOV & FUEL INJ	274
Y	*9N-3288*	1	PUMP GP-WATER	121
Y	*9L-6671*	1	SHIELD GP-MANIFOLD	196
Y	*2W-9161*	1	SHUTOFF GP-MANUAL	281
Y	*9Y-1856*	1	SUPPORT GP-ENGINE	74
Y	*1W-0947*	1	TURBOCHARGER GP	200
Y	*4W-2461*	1	VALVE MECHANISM GP	75
			GASKET KITS WILL BE PROVIDED WHEN AVAILABLE	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8408 ENGINE AR

S/N: 1DZ3603-UP
60 HERTZ - 3% GOVERNOR, 1800 RPM. #1 FLYWHEEL HOUSING
PART OF 217-8403 GENERAL AR

SMCS-1000 **i01903839**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*1W-8347*	1	AFTERCOOLER GP-WATER	145
Y	*2N-8220*	1	BREATHER GP	78
Y	*7W-3798*	1	CAMSHAFT GP	12
Y	*7W-2206*	1	COOLER GP-ENGINE OIL	95
Y	*1W-5107*	1	COVER GP-CYLINDER BLOCK	16
Y	*4N-4792*	1	COVER GP-FLYWHEEL HOUSING	17
Y	*1W-1395*	1	COVER GP-FRONT HOUSING	18
Y	*4N-4953*	1	COVER GP-VALVE MECHANISM	20
Y	*4N-0741*	1	CRANKSHAFT GP	21
YR	*8N-9267*	1	CYLINDER BLOCK GP	25
			S/N: 1DZ3603-5201	
YR	*7E-4697*	1	CYLINDER BLOCK GP	23
			S/N: 1DZ5202-UP	
YR	*4W-2436*	1	CYLINDER HEAD GP	32
Y	*4P-5894*	1	DAMPER & PULLEY GP	38
Y	*8N-9653*	1	DRIVE GP-ACCESSORY	39
Y	*4P-1365*	1	DRIVE GP-GOVERNOR & FUEL PUMP	225
Y	*4N-6006*	1	FASTENER GP-FRONT HOUSING	46
Y	*1W-7376*	1	FASTENER GP-FUEL INJ PUMP	229
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	79
Y	**6N-1016**	1	FILLER GP-ENGINE OIL	80
Y	*154-4326*	1	FILTER GP-ENGINE OIL	81
Y	**4N-1981**	1	FILTER GP-FUEL	234
Y	*7N-3060*	1	FLYWHEEL GP	47
Y	*7N-8084*	1	GAUGE GP-OIL LEVEL (DIPSTICK)	86
Y	*8N-9246*	1	GEAR GP-FRONT	48
Y	*106-7410*	1	HOUSING GP-FLYWHEEL	56
Y	*1W-1468*	1	HOUSING GP-FRONT	57
Y	*4N-1331*	1	LIFTING GP-ENGINE	59
Y	*4N-2474*	1	LINES GP-AFTERCOOLER WATER	107
Y	*6N-5015*	1	LINES GP-AIR	176
Y	*4N-1128*	1	LINES GP-ENGINE OIL	88
Y	*191-2205*	1	LINES GP-ENGINE OIL DRAIN	89
Y	*2W-3452*	1	LINES GP-FUEL FILTER	253
Y	*9Y-3070*	1	LINES GP-FUEL INJECTION	259
Y	*1W-4203*	1	LINES GP-TURBOCHARGER OIL	91
Y	*4N-1641*	1	LINES GP-WATER	111
Y	*4N-0754*	1	MANIFOLD GP-EXHAUST	178
Y	*4N-0756*	1	PAN GP-OIL	66
Y	*7N-3516*	6	PISTON & ROD GP	70
			S/N: 1DZ3603-5201	
Y	*7E-0491*	6	PISTON & ROD GP	69
			S/N: 1DZ5202-UP	
Y	*2W-4381*	1	PUMP & MTG GP-FUEL TRANSFER	264
YR	**161-4111**	1	PUMP GP-ENGINE OIL	93
			S/N: 1DZ3603-5201	
YR	**161-4113**	1	PUMP GP-ENGINE OIL	94
			S/N: 1DZ5202-UP	
Y	*145-8855*	1	PUMP GP-FUEL PRIMING	270
Y	*2W-9103*	1	PUMP GP-GOV & FUEL INJ	273
Y	*9N-3288*	1	PUMP GP-WATER	121
Y	*9L-6671*	1	SHIELD GP-MANIFOLD	196
Y	*2W-9161*	1	SHUTOFF GP-MANUAL	281
Y	*9Y-1856*	1	SUPPORT GP-ENGINE	74
Y	*1W-4209*	1	TURBOCHARGER GP	203

ENGINE ARRANGEMENT

217-8408 **ENGINE AR** ***(contd.)*** **i01903839**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*4W-2461*	1	VALVE MECHANISM GP	75
			GASKET KITS WILL BE PROVIDED WHEN AVAILABLE	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8409 ENGINE AR

S/N: 1DZ3603-UP
50 HERTZ - 3% GOVERNOR, 1500 RPM. #1 FLYWHEEL HOUSING
PART OF 217-8404 GENERAL AR

SMCS-1000 **i01696748**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*1W-8347*	1	AFTERCOOLER GP-WATER	145
Y	*2N-8220*	1	BREATHER GP	78
Y	*7W-3798*	1	CAMSHAFT GP	12
Y	*7W-2206*	1	COOLER GP-ENGINE OIL	95
Y	*1W-5107*	1	COVER GP-CYLINDER BLOCK	16
Y	*4N-4792*	1	COVER GP-FLYWHEEL HOUSING	17
Y	*1W-1395*	1	COVER GP-FRONT HOUSING	18
Y	*4N-4953*	1	COVER GP-VALVE MECHANISM	20
Y	*4N-0741*	1	CRANKSHAFT GP	21
YR	*8N-9267*	1	CYLINDER BLOCK GP	25
YR	*4W-2436*	1	CYLINDER HEAD GP	32
Y	*4P-5894*	1	DAMPER & PULLEY GP	38
Y	*8N-9653*	1	DRIVE GP-ACCESSORY	39
Y	*4P-1365*	1	DRIVE GP-GOVERNOR & FUEL PUMP	225
Y	*4N-6006*	1	FASTENER GP-FRONT HOUSING	46
Y	*1W-7376*	1	FASTENER GP-FUEL INJ PUMP	229
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	79
Y	**6N-1016**	1	FILLER GP-ENGINE OIL	80
Y	*154-4326*	1	FILTER GP-ENGINE OIL	81
Y	**4N-1981**	1	FILTER GP-FUEL	234
Y	*7N-3060*	1	FLYWHEEL GP	47
Y	*7N-8084*	1	GAUGE GP-OIL LEVEL (DIPSTICK)	86
Y	*8N-9246*	1	GEAR GP-FRONT	48
Y	*106-7410*	1	HOUSING GP-FLYWHEEL	56
Y	*1W-1468*	1	HOUSING GP-FRONT	57
Y	*4N-1331*	1	LIFTING GP-ENGINE	59
Y	*4N-2474*	1	LINES GP-AFTERCOOLER WATER	107
Y	*6N-5015*	1	LINES GP-AIR	176
Y	*4N-1128*	1	LINES GP-ENGINE OIL	88
Y	*191-2205*	1	LINES GP-ENGINE OIL DRAIN	89
Y	*2W-3452*	1	LINES GP-FUEL FILTER	253
Y	*9Y-3070*	1	LINES GP-FUEL INJECTION	259
Y	*1W-4203*	1	LINES GP-TURBOCHARGER OIL	91
Y	*4N-1641*	1	LINES GP-WATER	111
Y	*4N-0754*	1	MANIFOLD GP-EXHAUST	178
Y	*4N-0756*	1	PAN GP-OIL	66
Y	*7N-3516*	6	PISTON & ROD GP	70
Y	*2W-4381*	1	PUMP & MTG GP-FUEL TRANSFER	264
YR	**161-4111**	1	PUMP GP-ENGINE OIL	93
Y	*145-8855*	1	PUMP GP-FUEL PRIMING	270
Y	*2W-8543*	1	PUMP GP-GOV & FUEL INJ	272
Y	*9N-3288*	1	PUMP GP-WATER	121
Y	*9L-6671*	1	SHIELD GP-MANIFOLD	196
Y	*2W-9161*	1	SHUTOFF GP-MANUAL	281
Y	*9Y-1856*	1	SUPPORT GP-ENGINE	74
Y	*1W-4209*	1	TURBOCHARGER GP	203
Y	*4W-2461*	1	VALVE MECHANISM GP	75
			GASKET KITS WILL BE PROVIDED WHEN AVAILABLE	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8410 ENGINE AR

S/N: 1DZ3603-UP
50 HERTZ - 3% GOVERNOR, 1500 RPM. #1 FLYWHEEL HOUSING
PART OF 217-8405 GENERAL AR

SMCS-1000 **i01914915**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*1W-8347*	1	AFTERCOOLER GP-WATER	145
Y	*2N-8220*	1	BREATHER GP	78
Y	*7W-3798*	1	CAMSHAFT GP	12
Y	*7W-2206*	1	COOLER GP-ENGINE OIL	95
Y	*1W-5107*	1	COVER GP-CYLINDER BLOCK	16
Y	*4N-4792*	1	COVER GP-FLYWHEEL HOUSING	17
Y	*1W-1395*	1	COVER GP-FRONT HOUSING	18
Y	*4N-4953*	1	COVER GP-VALVE MECHANISM	20
Y	*4N-0741*	1	CRANKSHAFT GP	21
Y	*122-9276*	1	CYLINDER BLOCK GP	27
YR	*110-5095*	1	CYLINDER HEAD GP	34
Y	*4P-5894*	1	DAMPER & PULLEY GP	38
Y	*8N-9653*	1	DRIVE GP-ACCESSORY	39
Y	*110-1282*	1	DRIVE GP-GOVERNOR & FUEL PUMP	227
Y	*4N-6006*	1	FASTENER GP-FRONT HOUSING	46
Y	*1W-7376*	1	FASTENER GP-FUEL INJ PUMP	229
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	79
Y	**6N-1016**	1	FILLER GP-ENGINE OIL	80
Y	*154-4326*	1	FILTER GP-ENGINE OIL	81
Y	**4N-1981**	1	FILTER GP-FUEL	234
Y	*7N-3060*	1	FLYWHEEL GP	47
Y	*7N-8084*	1	GAUGE GP-OIL LEVEL (DIPSTICK)	86
Y	*8N-9246*	1	GEAR GP-FRONT	48
Y	*106-7410*	1	HOUSING GP-FLYWHEEL	56
Y	*1W-1468*	1	HOUSING GP-FRONT	57
Y	*4N-1331*	1	LIFTING GP-ENGINE	59
Y	*4N-2474*	1	LINES GP-AFTERCOOLER WATER	107
Y	*8N-4398*	1	LINES GP-AIR	177
Y	*4N-1128*	1	LINES GP-ENGINE OIL	88
Y	*191-2205*	1	LINES GP-ENGINE OIL DRAIN	89
Y	*2W-3452*	1	LINES GP-FUEL FILTER	253
Y	*131-0188*	1	LINES GP-FUEL INJECTION	261
Y	*4N-5394*	1	LINES GP-TURBOCHARGER OIL	92
Y	*4N-1641*	1	LINES GP-WATER	111
Y	*4W-4319*	1	MANIFOLD GP-EXHAUST	179
Y	*4N-0756*	1	PAN GP-OIL	66
Y	*130-4614*	6	PISTON & ROD GP	72
Y	*2W-4381*	1	PUMP & MTG GP-FUEL TRANSFER	264
YR	**161-4111**	1	PUMP GP-ENGINE OIL	93
			S/N: 1DZ3603-5570	
YR	**161-4113**	1	PUMP GP-ENGINE OIL	94
			S/N: 1DZ5571-UP	
Y	*145-8855*	1	PUMP GP-FUEL PRIMING	270
Y	*131-1955*	1	PUMP GP-GOV & FUEL INJ	275
Y	*9N-3288*	1	PUMP GP-WATER	121
Y	*9L-6671*	1	SHIELD GP-MANIFOLD	196
Y	*2W-9161*	1	SHUTOFF GP-MANUAL	281
Y	*9Y-1856*	1	SUPPORT GP-ENGINE	74
Y	*130-5622*	1	TURBOCHARGER GP	205
Y	*4W-2461*	1	VALVE MECHANISM GP	75
			GASKET KITS WILL BE PROVIDED WHEN AVAILABLE	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8411 ENGINE AR

S/N: 1DZ3603-UP
60 HERTZ - 3% GOVERNOR, 1800 RPM. #1 FLYWHEEL HOUSING
PART OF 217-8406 GENERAL AR

SMCS-1000 **i01914917**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*1W-8347*	1	AFTERCOOLER GP-WATER	145
Y	*2N-8220*	1	BREATHER GP	78
Y	*7W-3798*	1	CAMSHAFT GP	12
Y	*7W-2206*	1	COOLER GP-ENGINE OIL	95
Y	*1W-5107*	1	COVER GP-CYLINDER BLOCK	16
Y	*4N-4792*	1	COVER GP-FLYWHEEL HOUSING	17
Y	*1W-1395*	1	COVER GP-FRONT HOUSING	18
Y	*4N-4953*	1	COVER GP-VALVE MECHANISM	20
Y	*4N-0741*	1	CRANKSHAFT GP	21
Y	*122-9276*	1	CYLINDER BLOCK GP	27
YR	*110-5095*	1	CYLINDER HEAD GP	34
Y	*4P-5894*	1	DAMPER & PULLEY GP	38
Y	*8N-9653*	1	DRIVE GP-ACCESSORY	39
Y	*110-1282*	1	DRIVE GP-GOVERNOR & FUEL PUMP	227
Y	*4N-6006*	1	FASTENER GP-FRONT HOUSING	46
Y	*1W-7376*	1	FASTENER GP-FUEL INJ PUMP	229
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	79
Y	**6N-1016**	1	FILLER GP-ENGINE OIL	80
Y	*154-4326*	1	FILTER GP-ENGINE OIL	81
Y	**4N-1981**	1	FILTER GP-FUEL	234
Y	*7N-3060*	1	FLYWHEEL GP	47
Y	*7N-8084*	1	GAUGE GP-OIL LEVEL (DIPSTICK)	86
Y	*8N-9246*	1	GEAR GP-FRONT	48
Y	*106-7410*	1	HOUSING GP-FLYWHEEL	56
Y	*1W-1468*	1	HOUSING GP-FRONT	57
Y	*4N-1331*	1	LIFTING GP-ENGINE	59
Y	*4N-2474*	1	LINES GP-AFTERCOOLER WATER	107
Y	*8N-4398*	1	LINES GP-AIR	177
Y	*4N-1128*	1	LINES GP-ENGINE OIL	88
Y	*191-2205*	1	LINES GP-ENGINE OIL DRAIN	89
Y	*2W-3452*	1	LINES GP-FUEL FILTER	253
Y	*131-0188*	1	LINES GP-FUEL INJECTION	261
Y	*4N-5394*	1	LINES GP-TURBOCHARGER OIL	92
Y	*4N-1641*	1	LINES GP-WATER	111
Y	*4W-4319*	1	MANIFOLD GP-EXHAUST	179
Y	*4N-0756*	1	PAN GP-OIL	66
Y	*130-4614*	6	PISTON & ROD GP	72
Y	*2W-4381*	1	PUMP & MTG GP-FUEL TRANSFER	264
YR	**161-4111**	1	PUMP GP-ENGINE OIL	93
			S/N: 1DZ3603-5570	
YR	**161-4113**	1	PUMP GP-ENGINE OIL	94
			S/N: 1DZ5571-UP	
Y	*145-8855*	1	PUMP GP-FUEL PRIMING	270
Y	*131-1955*	1	PUMP GP-GOV & FUEL INJ	275
Y	*9N-3288*	1	PUMP GP-WATER	121
Y	*9L-6671*	1	SHIELD GP-MANIFOLD	196
Y	*2W-9161*	1	SHUTOFF GP-MANUAL	281
Y	*9Y-1856*	1	SUPPORT GP-ENGINE	74
Y	*130-5622*	1	TURBOCHARGER GP	205
Y	*4W-2461*	1	VALVE MECHANISM GP	75
			GASKET KITS WILL BE PROVIDED WHEN AVAILABLE	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8402 GENERAL AR

S/N: KPS1-UP

50 HERTZ, 1500 RPM

SMCS-1000, 4450 **i01683019**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*217-8407*	1	ENGINE AR	1

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8403 GENERAL AR

S/N: KPS1-UP

60 HERTZ, 1800 RPM

SMCS-1000, 4450 **i01683215**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*217-8408*	1	ENGINE AR	2

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8404 GENERAL AR

S/N: KPS1-UP

50 HERTZ, 1500 RPM

SMCS-1000, 4450 **i01683201**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*217-8409*	1	ENGINE AR	4

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8405 GENERAL AR

S/N: KPS1-UP

50 HERTZ, 1500 RPM

SMCS-1000, 4450 **i01683181**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*217-8410*	1	ENGINE AR	5

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

217-8406 GENERAL AR

S/N: KPS1-UP

60 HERTZ, 1800 RPM

SMCS-1000, 4450 **i01683171**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*217-8411*	1	ENGINE AR	6

Y-SEPARATE ILLUSTRATION

BASIC ENGINE

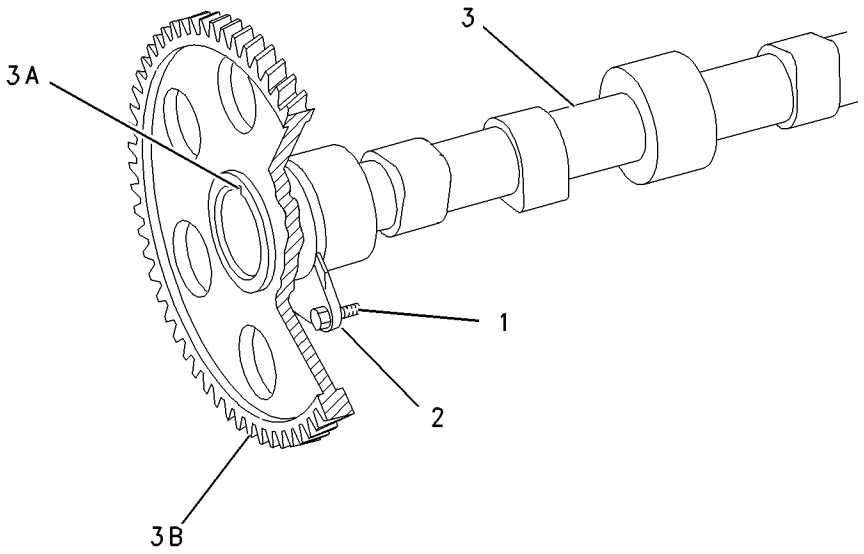
7W-3798 CAMSHAFT GP

S/N: 1DZ3603-UP

SMCS-1210 **i01375511**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-0509**	2	BOLT (3/8-16X.75 IN)	
	2	1	**4N-0342**	1	PLATE-CAMSHAFT THRUST	
R	3	1	**100-7408**	1	CAMSHAFT AS	
	3A	1	**1B-8705**	1	KEY-WOODRUFF	
	3B	1	**8N-8254**	1	GEAR-CAMSHAFT (64 TEETH)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00726175

BASIC ENGINE

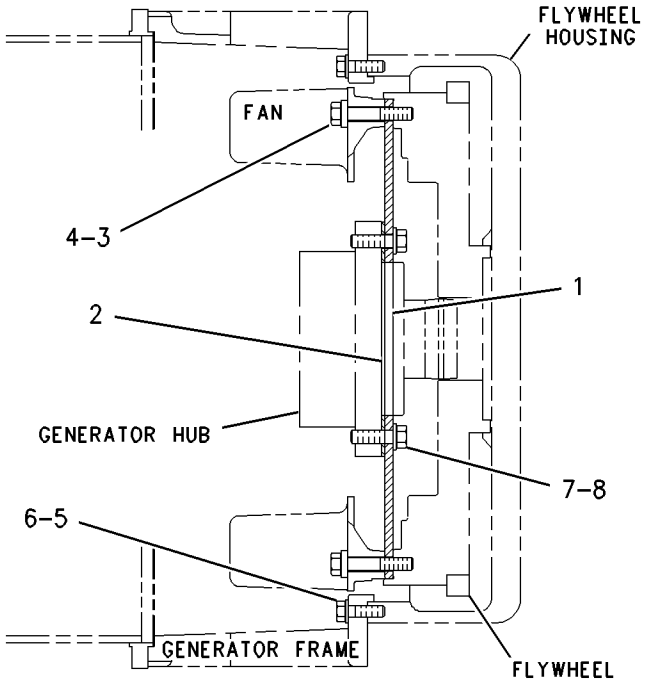
109-3319 COUPLING GP-GENERATOR

S/N: 8ER3559-UP; 9CR2744-UP; KPS1-UP
FOR USE WITH 440 PERMANENT MAGNET GENERATOR
AN ATTACHMENT

SMCS-4456 **i01552622**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**111-1810**	1	PLATE-FLEXIBLE	
B	2	1	**3L-2198**	4	SHIM (.8MM THK)	
	3	1	**8T-9389**	8	BOLT (1/2-13X2.75 IN)	
	4	1	**039-8557**	8	WASHER (13X26X6MM THK)	
	5	1	**8T-8916**	12	BOLT (7/16-14X1.5 IN)	
	6	1	**8T-5360**	12	WASHER (12X22.5X2.5MM THK)	
	7	1	**8T-8919**	12	BOLT (1/2-13X1.75 IN)	
	8	1	**8T-4223**	12	WASHER-HARD (13.5X25.5X3MM THK)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00725590

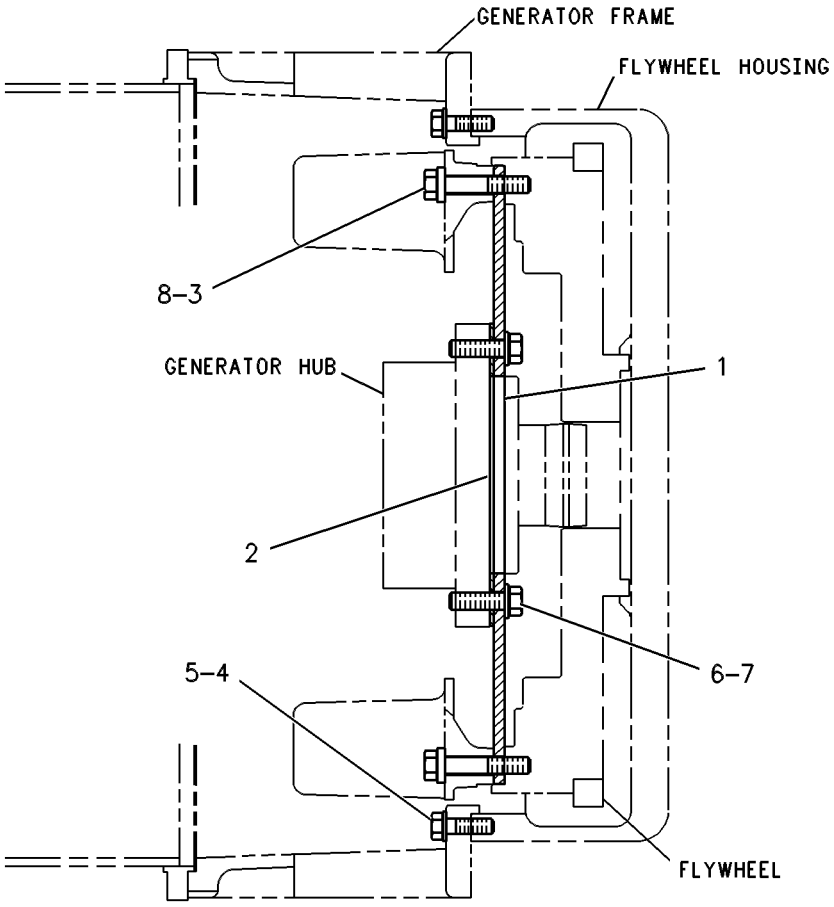
133-9878 COUPLING GP-GENERATOR

S/N: 9DR4432-UP
FOR USE WITH 440 FRAME GENERATORS
AN ATTACHMENT

SMCS-4456 **i01574075**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**111-1810**	1	PLATE-FLEXIBLE	
B	2	1	**3L-2198**	4	SHIM (.8MM THK)	
	3	1	**039-8557**	8	WASHER (13X26X6MM THK)	
	4	1	**8T-8916**	12	BOLT (7/16-14X1.5 IN)	
	5	1	**8T-5360**	12	WASHER (12X22.5X2.5MM THK)	
	6	1	**8T-8919**	12	BOLT (1/2-13X1.75 IN)	
	7	1	**8T-4223**	12	WASHER-HARD (13.5X25.5X3MM THK)	
	8	1	**5P-2424**	8	BOLT (1/2-13X2.25 IN)	

B-USE AS REQUIRED



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00256975

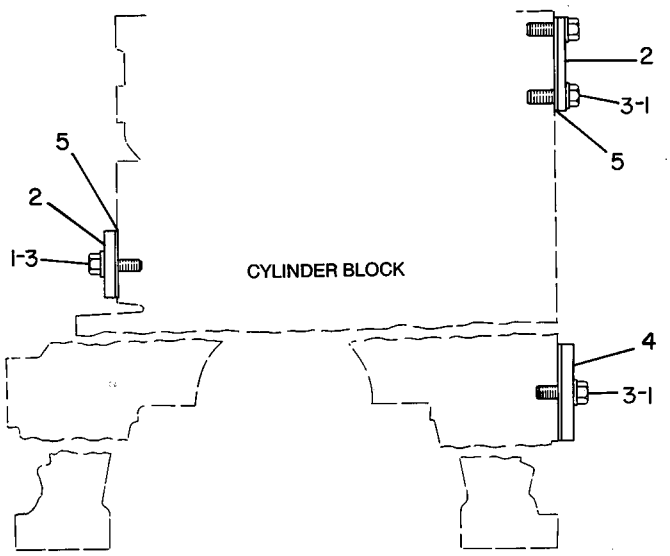
1W-5106 COVER GP-CYLINDER BLOCK

S/N: 1DZ3603-UP

FOR USE WITH NON-AFTERCOOLED ENGINES

SMCS-1201 **i00640301**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5M-2894**	6	WASHER (2.5MM THK)	
	2	1	**4W-9890**	2	COVER	
	3	1	**0S-1594**	6	BOLT (3/8-16X1IN)	
	4	1	**4N-0794**	1	COVER	
		1	**7C-0307**	1	GASKET	
	5	1	**4N-0699**	2	GASKET	



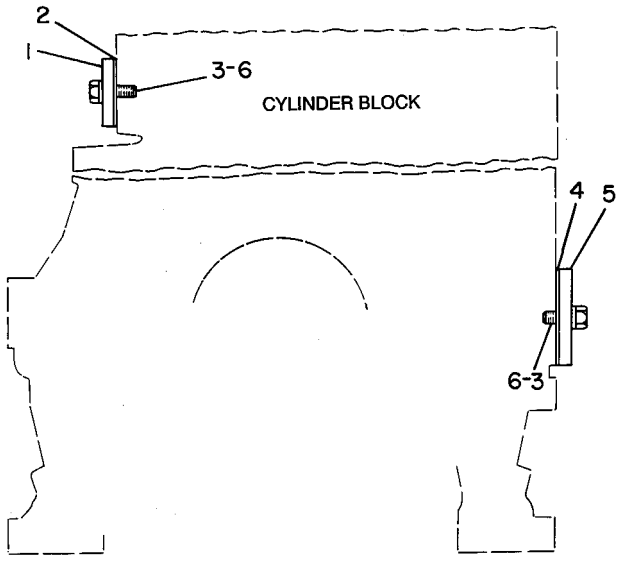
GRAPHIC #1 **<END>** g00138984

1W-5107 COVER GP-CYLINDER BLOCK

S/N: 1DZ3603-UP

SMCS-1201 **i00131366**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-9890**	1	COVER	
	2	1	**4N-0699**	1	GASKET	
	3	1	**0S-1594**	4	BOLT (3/8-16X1IN)	
	4	1	**7C-0307**	1	GASKET	
	5	1	**4N-0794**	1	COVER	
	6	1	**5M-2894**	4	WASHER (2.5MM THK)	



GRAPHIC #1 **<END>** g00108182

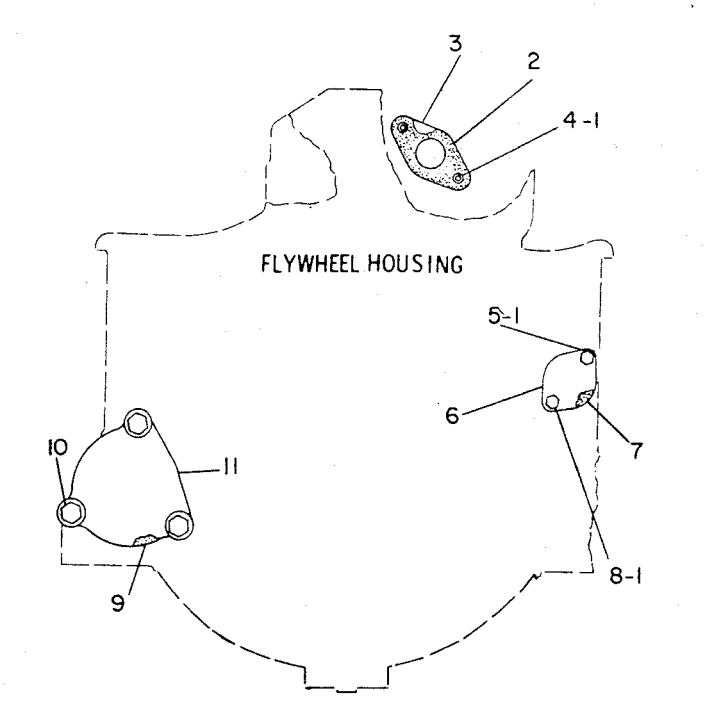
4N-4792 COVER GP-FLYWHEEL HOUSING

S/N: 1DZ3603-UP

SMCS-1157 **i00159683**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5M-2894**	4	WASHER (2.5MM THK)	
	2	1	**5H-0244**	1	GASKET	
	3	1	**8F-3030**	1	FLANGE	
	4	1	**0S-1588**	2	BOLT (3/8-16X1.25IN)	
	5	1	**0S-1619**	1	BOLT (3/8-16X3IN)	
	6	1	**2P-2772**	1	COVER	
	7	1	**4N-0933**	1	GASKET	
	8	1	**0S-1594**	1	BOLT (3/8-16X1IN)	
C	9	1	**9Y-6089**	1	GASKET	
C	10	1	**4B-4043**	3	BOLT (5/8-11X1.375IN)	
C		1	**5P-8247**	3	WASHER-HARD (3.5MM THK)	
C	11	1	**3H-0761**	1	COVER-OPENING	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00110887

BASIC ENGINE

1W-1395 COVER GP-FRONT HOUSING

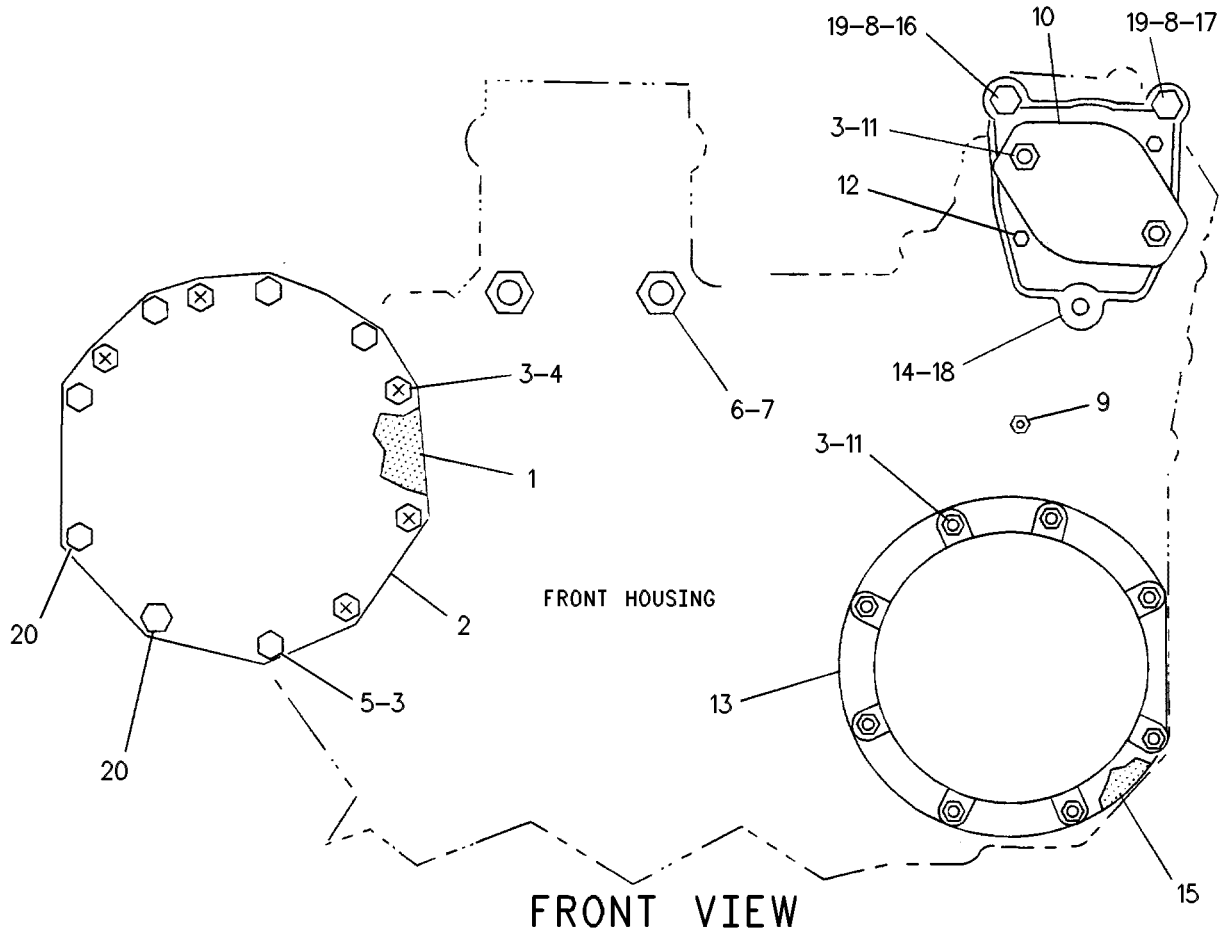
S/N: 1DZ3603-UP

SMCS-1151, 1166 **i00538731**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-5733**	1	GASKET	
	2	1	**4N-0273**	1	COVER	
	3	1	**5M-2894**	20	WASHER (2.5MM THK)	
	4	1	**0S-1594**	5	BOLT (3/8-16X1IN)	
	5	1	**1A-5964**	5	BOLT (3/8-16X4.5IN)	
B	6	1	**6D-2675**	2	STUD-TAPERLOCK	
B		1	**1F-7958**	2	NUT-FULL (1/2-13 THD)	
B	7	1	**2M-0849**	2	WASHER (5MM THK)	
	8	1	**1F-7958**	3	NUT-FULL (1/2-13 THD)	
	9	1	**5M-6214**	1	PLUG-PIPE (1/8-27 THD)	
C	10	1	**4P-1650**	1	COVER	
C		1	**1H-7339**	1	SEAL-O-RING (75.79MM ID)	
C	11	1	**9S-8752**	10	NUT-FULL (3/8-16 THD)	
	12	1	**6V-4259**	2	BOLT-SHALLOW HEAD	
	13	1	**7W-9467**	1	COVER	
	14	1	**1W-2488**	1	COVER	
	15	1	**2W-0459**	1	GASKET	
	16	1	**2B-2006**	1	BOLT (1/2-13X4.75IN)	
	17	1	**9S-1366**	1	BOLT (1/2-13X2.5IN)	
	18	1	**100-7432**	1	GASKET	
	19	1	**5P-8245**	5	WASHER (3MM THK)	
B	20	1	**1A-5964**	2	BOLT (3/8-16X4.5IN)	
B		1	**5M-2894**	2	WASHER (2.5MM THK)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE

1W-1395 **COVER GP-FRONT HOUSING** *(contd.)* **i00538731**



GRAPHIC #1 **<END>** g00253892

BASIC ENGINE

4N-4953 COVER GP-VALVE MECHANISM

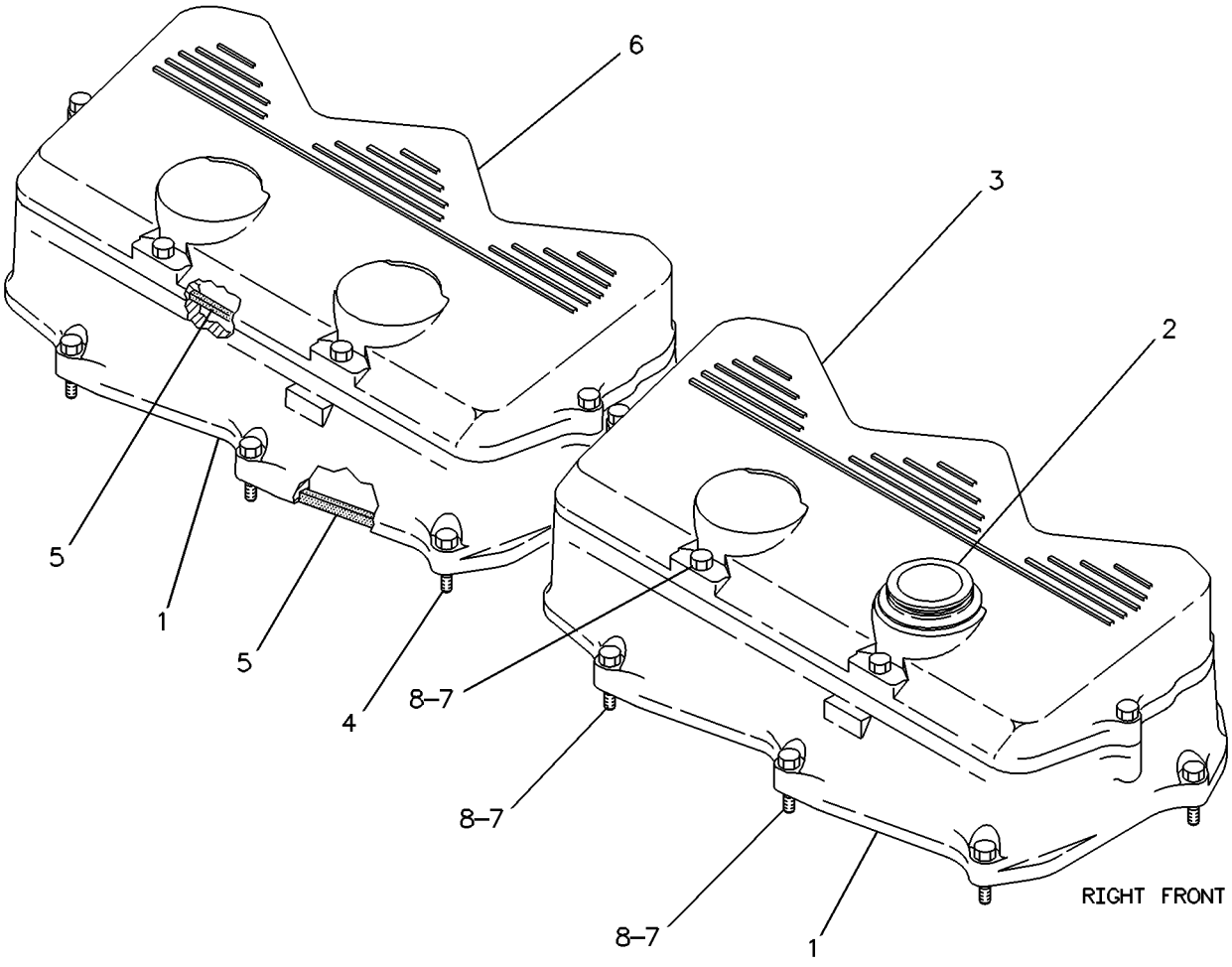
S/N: 1DZ3603-UP

FOR USE WITH AIR LINES FOR REAR EXHAUST TURBO

SMCS-1107 **i00130441**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**7E-0329**	2	BASE	
C	2	1	**7C-6514**	1	ADAPTER	
		1	**8C-5196**	1	SEAL-O-RING	
	3	1	**7C-9667**	1	COVER-ROCKER ARM	
	4	1	**9L-8925**	23	BOLT (5/16-18X1.25IN)	
BD	5	1	**5P-5678**		SEAL	
C	6	1	**7E-0333**	1	COVER	
B	7	1	**9L-8925**	3	BOLT (5/16-18X1.25IN)	
B	8	1	**1B-2790**	3	BOLT (5/16-18X1.375IN)	
B		1	**9M-1974**	3	WASHER-HARD (2MM THK)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER



GRAPHIC #1 **<END>** g00108377

BASIC ENGINE

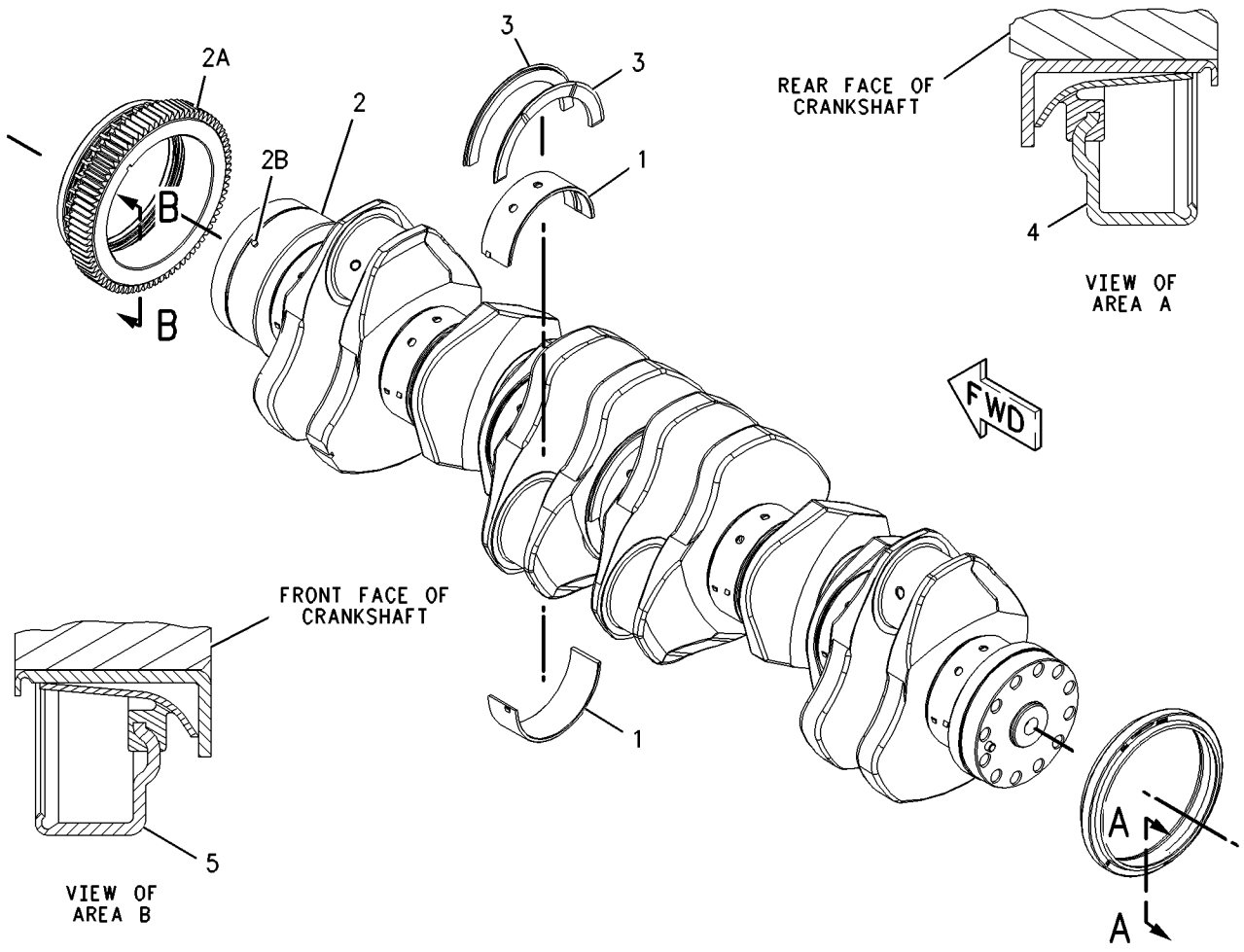
4N-0741 CRANKSHAFT GP

S/N: 1DZ3603-UP

SMCS-1202 **i01933410**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-5492**	7	BEARING-MAIN (STANDARD)	
AB		1	**4W-5698**		BEARING-MAIN (0.63MM U.S.)	
AB		1	**4W-5699**		BEARING-MAIN (1.27MM U.S.)	
AB		1	**4W-5700**		BEARING-MAIN (0.63MM O.S.)	
AB		1	**4W-5701**		BEARING-MAIN (0.63MM U.S./0.63MM O.S.)	
R	2	1	**6I-1453**	1	CRANKSHAFT AS	
	2A	1	**1W-9302**	1	GEAR-CRANKSHAFT (80 TEETH)	
		1	**7S-5005**	1	DOWEL	
	2B	1	**4N-0684**	1	DOWEL	
	3	1	**7E-9262**	2	PLATE-THRUST	
	4	1	**142-5867**	1	SEAL GP-CRANKSHAFT	
	5	1	**142-5868**	1	SEAL GP-CRANKSHAFT	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01005994

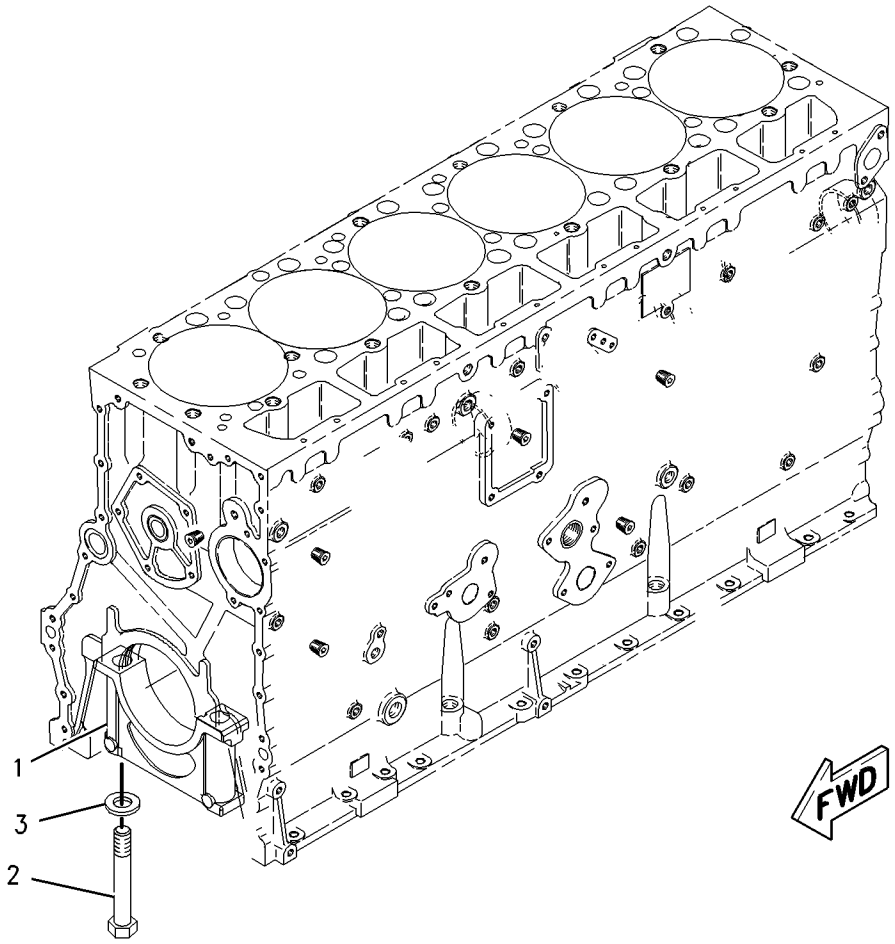
202-1257 CYLINDER BLOCK AS

S/N: 1DZ3603-UP

PART OF 152-7642 CYLINDER BLOCK GP

SMCS-1201 **i01570723**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**167-8081**	7	CAP-CRANKSHAFT BEARING	
	2	1	**167-8083**	14	BOLT	
	3	1	**9H-1031**	14	WASHER-HARD (24X41.5X6MM THK)	



GRAPHIC #1 **<END>** g00816962

7E-4697 CYLINDER BLOCK GP*R

S/N: 1DZ5202-UP

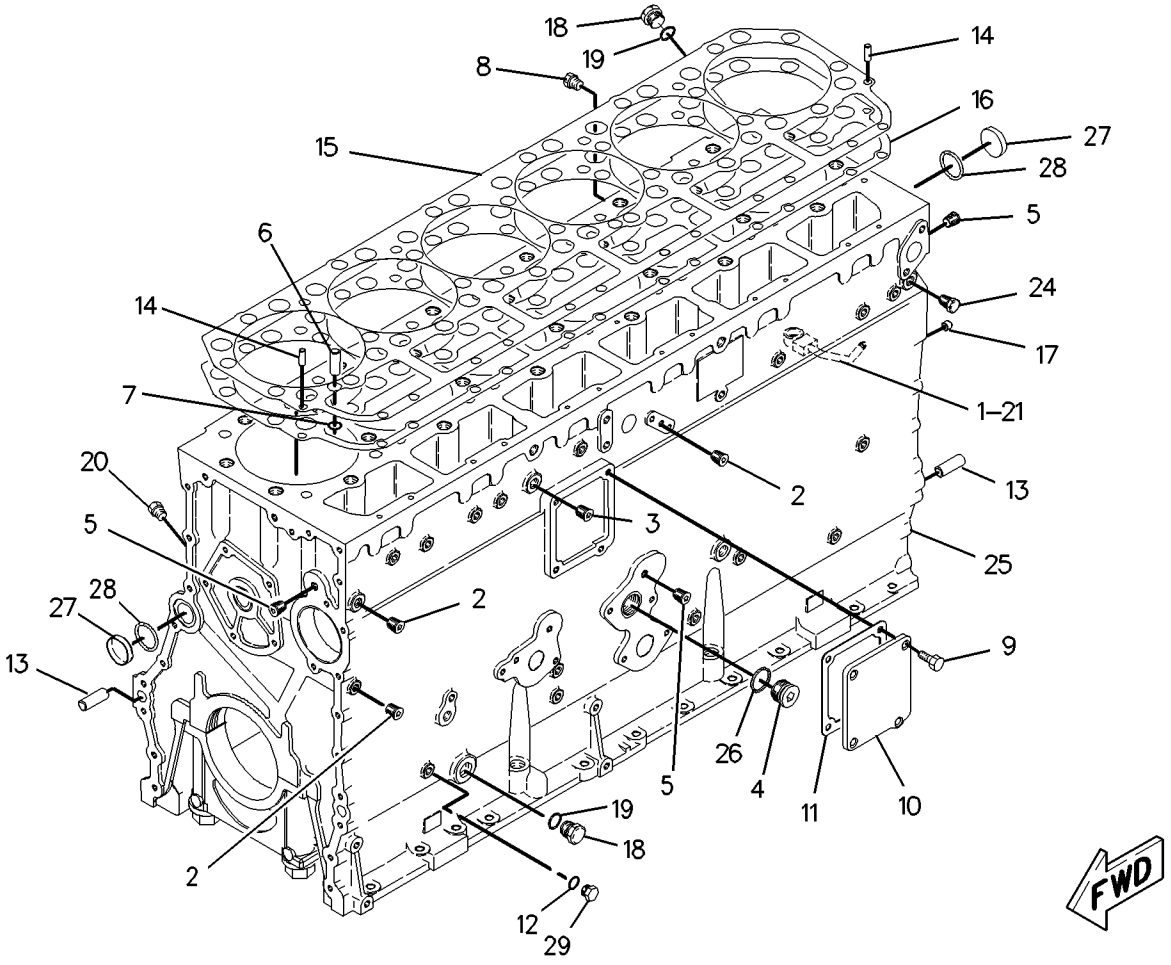
FIELD REPLACEMENT ORDER 152-7642—PAGE 29, 6-7E-3632 TUBE AS-OIL JET, 6-111-8606 BOLT-OIL JET

SMCS-1201 **i01538366**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5928**	6	TUBE AS-OIL JET	
	2	1	**8T-6757**	3	PLUG-PIPE (1/8)	
	3	1	**7W-6534**	1	PLUG-PIPE (3/8X1/2)	
	4	1	**9S-8009**	1	PLUG-O-RING	
	5	1	**8T-6763**	3	PLUG-PIPE	
	6	1	**1S-9540**	2	DOWEL	
	7	1	**3S-5496**	2	SEAL-O-RING	
	8	1	**7W-6492**	1	PLUG-PIPE	
	9	1	**030-7571**	4	BOLT (3/8-16X1.0IN)	
	10	1	**4W-8585**	1	COVER	
	11	1	**7W-6081**	1	GASKET	
	12	1	**9X-7378**	1	SEAL-O-RING	
	13	1	**4N-0683**	4	DOWEL	
	14	1	**4N-1650**	2	DOWEL	
	15	1	**6I-2981**	1	PLATE-BLOCK	
	16	1	**6I-4024**	1	GASKET-PLATE	
	17	1	**8S-9094**	1	PLUG-ORIFICE	
B	18	1	**9S-4190**	2	PLUG-O-RING	
B	19	1	**114-4427**	2	SEAL-O-RING	
	20	1	**7X-7732**	6	PLUG-PIPE	
	21	1	**151-5925**	6	BOLT-OIL JET	
	24	1	**8T-6764**	1	PLUG-PIPE	
CY	25	1	*202-1258*	1	CYLINDER BLOCK GP	31
	26	1	**119-5155**	1	SEAL-O-RING	
	27	1	**100-7399**	2	PLUG	
	28	1	**3E-6747**	2	SEAL-O-RING	
	29	1	**9S-4182**	1	PLUG-O-RING	
FA		1	**101-0523**	6	INSERT-LINER SEAT (5.21MM THK) (0.05MM US)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
F-NOT SHOWN
Y-SEPARATE ILLUSTRATION

7E-4697 **CYLINDER BLOCK GP** ***(contd.)*** **i01538366**



GRAPHIC #1 **<END>** g00799422

8N-9267 CYLINDER BLOCK GP*R

S/N: 1DZ3603-UP

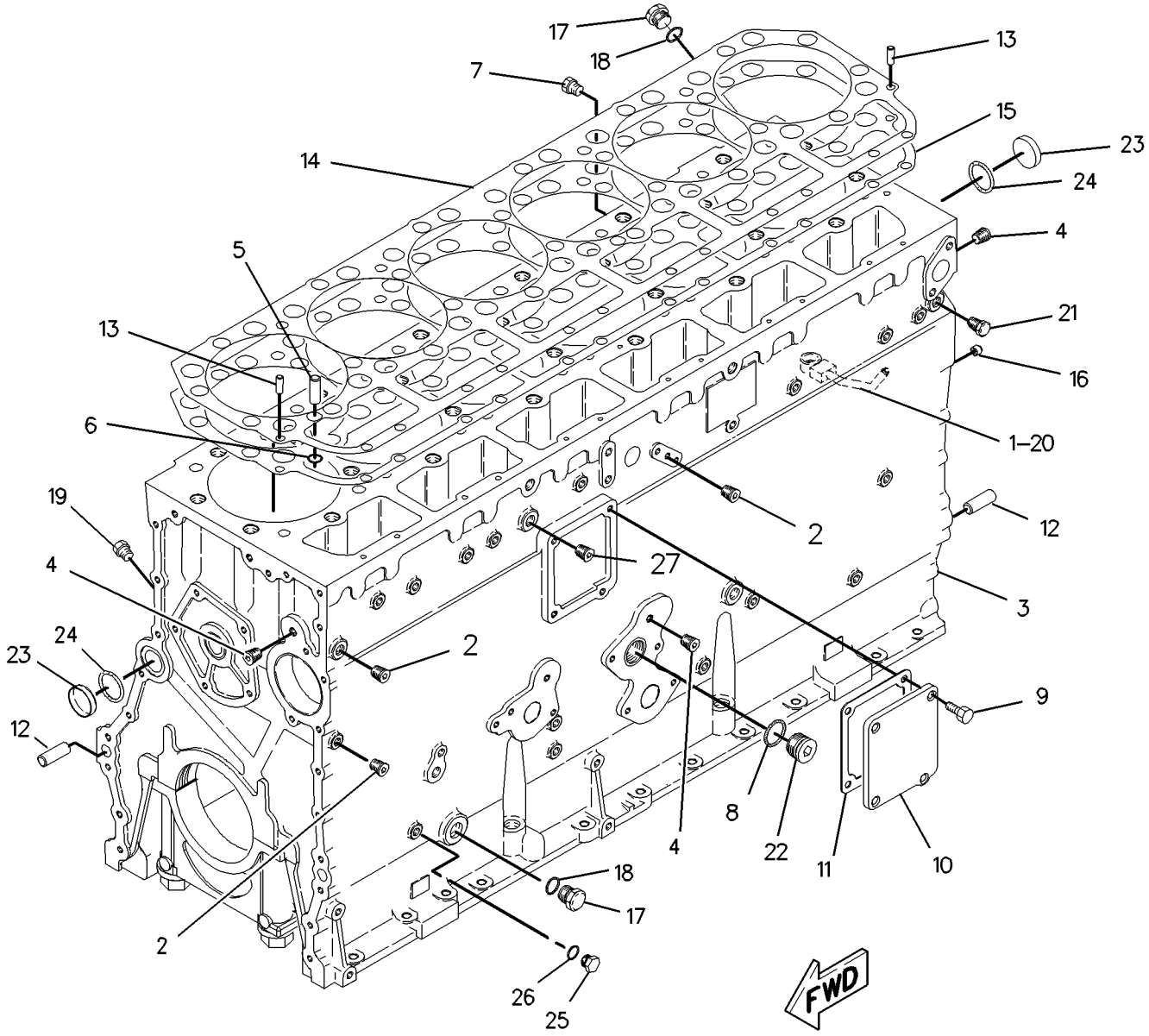
FIELD REPLACEMENT ORDER 152-7642—PAGE 29, 6-111-8606 BOLT-OIL JET, 6-7W-4990 TUBE AS-OIL JET

SMCS-1201 **i01608437**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5929**	6	TUBE AS-OIL JET	
	2	1	**8T-6757**	3	PLUG-PIPE	
CY	3	1	**202-1258**	1	CYLINDER BLOCK GP	31
	4	1	**8T-6763**	3	PLUG-PIPE	
	5	1	**1S-9540**	2	DOWEL	
	6	1	**3S-5496**	2	SEAL-O-RING	
	7	1	**7W-6492**	1	PLUG-PIPE	
	8	1	**119-5155**	1	SEAL-O-RING	
	9	1	**030-7571**	4	BOLT (3/8-16X1 IN)	
	10	1	**4W-8585**	1	COVER	
	11	1	**7W-6081**	1	GASKET	
	12	1	**4N-0683**	4	DOWEL	
	13	1	**4N-1650**	2	DOWEL	
	14	1	**6I-2981**	1	PLATE-BLOCK	
	15	1	**6I-4024**	1	GASKET-PLATE	
	16	1	**8S-9094**	1	PLUG-ORIFICE	
	17	1	**9S-4190**	1	PLUG-O-RING	
	18	1	**114-4427**	1	SEAL-O-RING	
	19	1	**7X-7732**	6	PLUG-PIPE	
	20	1	**151-5925**	6	BOLT-OIL JET	
	21	1	**8T-6764**	1	PLUG-PIPE	
	22	1	**9S-8009**	1	PLUG-O-RING	
	23	1	**100-7399**	2	PLUG	
	24	1	**3E-6747**	2	SEAL-O-RING	
	25	1	**9S-4182**	1	PLUG-O-RING	
	26	1	**9X-7378**	1	SEAL-O-RING	
	27	1	**7W-6534**	1	PLUG-PIPE (3/8X1/2)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

8N-9267 **CYLINDER BLOCK GP** ***(contd.)*** **i01608437**



GRAPHIC #1 **<END>** g00840074

BASIC ENGINE

122-9276 CYLINDER BLOCK GP

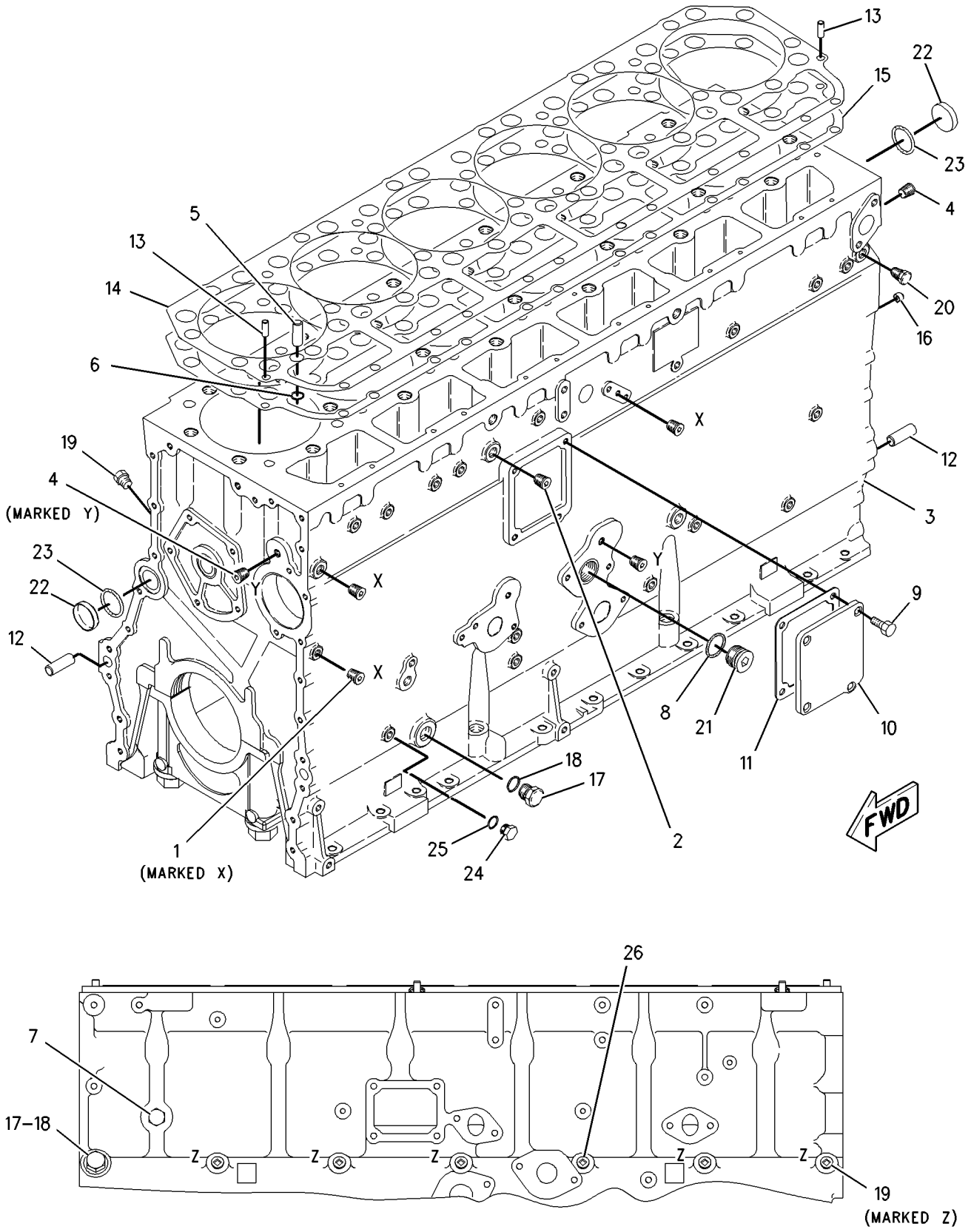
S/N: 1DZ3603-UP

FIELD REPLACEMENT ORDER 152-7642–PAGE 29

SMCS-1201 **i01636621**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-6757**	3	PLUG-PIPE	
	2	1	**7W-6534**	1	PLUG-PIPE (3/8X1/2)	
CY	3	1	**202-1258**	1	CYLINDER BLOCK GP	31
	4	1	**8T-6763**	3	PLUG-PIPE	
	5	1	**1S-9540**	2	DOWEL	
	6	1	**3S-5496**	2	SEAL-O-RING	
	7	1	**7W-6492**	1	PLUG-PIPE (1/2-14 NPTF THD)	
	8	1	**119-5155**	1	SEAL-O-RING	
	9	1	**030-7571**	4	BOLT (3/8-16X1 IN)	
	10	1	**4W-8585**	1	COVER	
	11	1	**7W-6081**	1	GASKET	
	12	1	**4N-0683**	4	DOWEL	
	13	1	**4N-1650**	2	DOWEL	
	14	1	**6I-2981**	1	PLATE-BLOCK	
	15	1	**6I-4024**	1	GASKET-PLATE	
	16	1	**8S-9094**	1	PLUG-ORIFICE	
	17	1	**9S-4190**	2	PLUG-O-RING	
	18	1	**114-4427**	2	SEAL-O-RING	
	19	1	**7X-7732**	5	PLUG-PIPE	
	20	1	**8T-6764**	1	PLUG-PIPE (1/2-14 NPTF THD)	
	21	1	**9S-8009**	1	PLUG-O-RING	
	22	1	**100-7399**	2	PLUG	
	23	1	**3E-6747**	2	SEAL-O-RING	
	24	1	**9S-4182**	1	PLUG-O-RING	
	25	1	**9X-7378**	1	SEAL-O-RING	
B	26	1	**7X-7732**	1	PLUG-PIPE	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00846050

BASIC ENGINE

152-7642 CYLINDER BLOCK GP

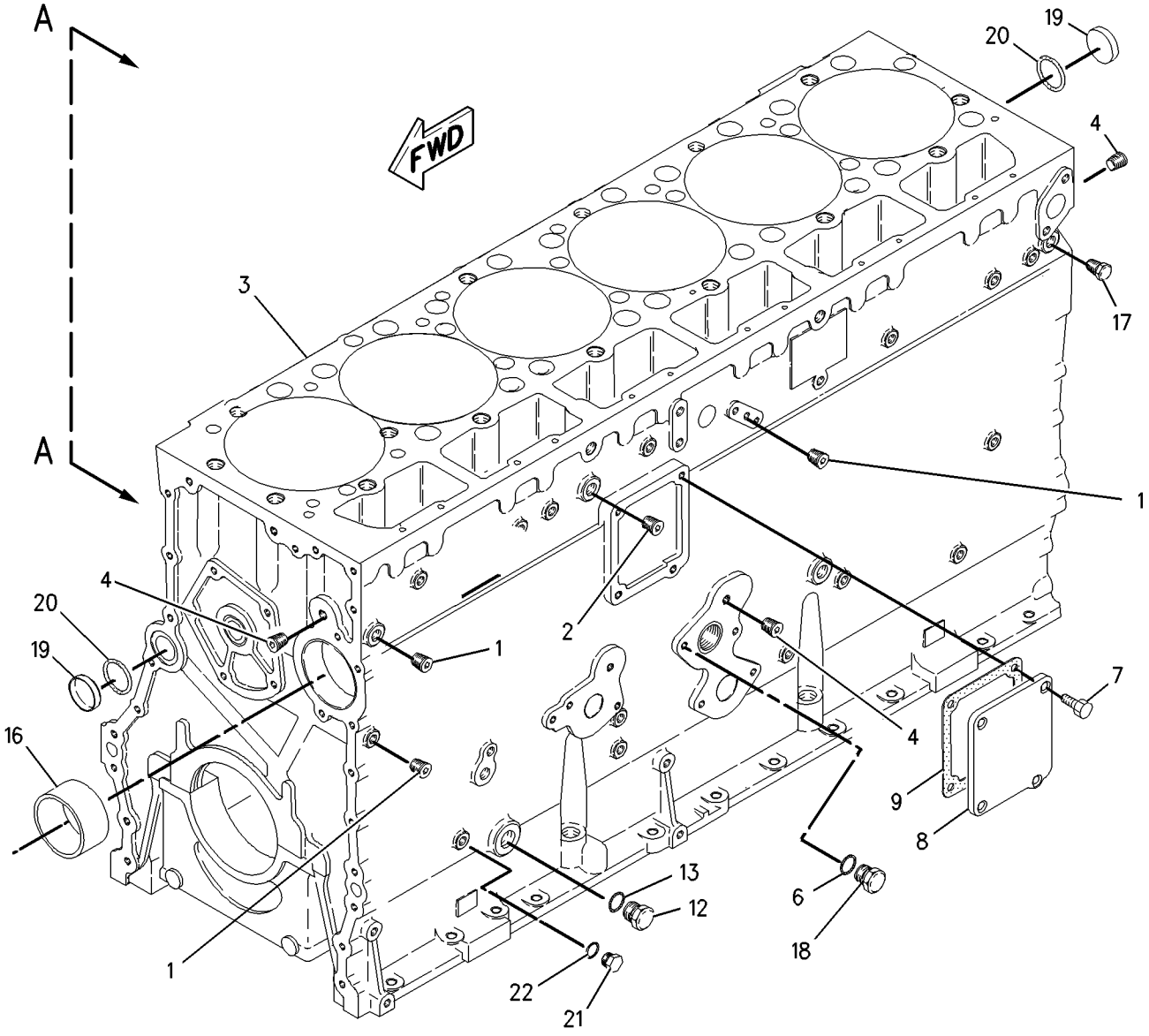
S/N: 1DZ3603-UP

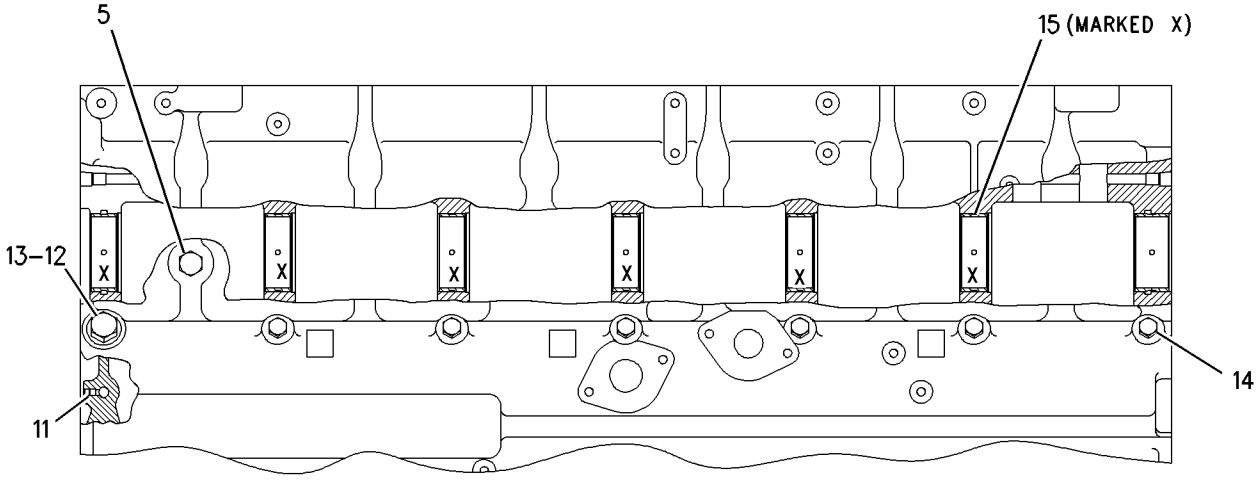
FIELD REPLACEMENT FOR 8N-9267—PAGE 25: FOR 122-9276—PAGE 27: FOR 7E-4697—PAGE 23

SMCS-1201 **i01625329**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-6757**	3	PLUG-PIPE	
	2	1	**7W-6534**	1	PLUG-PIPE (3/8X1/2)	
CY	3	1	**202-1257**	1	CYLINDER BLOCK AS	22
	4	1	**8T-6763**	3	PLUG-PIPE	
	5	1	**7W-6492**	1	PLUG-PIPE	
	6	1	**119-5155**	1	SEAL-O-RING	
	7	1	**030-7571**	4	BOLT (3/8-16X1 IN)	
	8	1	**4W-8585**	1	COVER	
	9	1	**7W-6081**	1	GASKET	
	11	1	**8S-9094**	1	PLUG-ORIFICE	
	12	1	**9S-4190**	2	PLUG-O-RING	
	13	1	**114-4427**	2	SEAL-O-RING	
	14	1	**8T-6767**	6	PLUG-PIPE	
	15	1	**4N-0685**	6	BEARING-SLEEVE	
	16	1	**4N-6658**	1	BEARING-SLEEVE	
	17	1	**8T-6764**	1	PLUG-PIPE	
	18	1	**9S-8009**	1	PLUG-O-RING	
	19	1	**100-7399**	2	PLUG	
	20	1	**3E-6747**	2	SEAL-O-RING	
	21	1	**9S-4182**	1	PLUG-O-RING	
	22	1	**9X-7378**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION





VIEW A-A

GRAPHIC #1 **<END>** g00842330

BASIC ENGINE

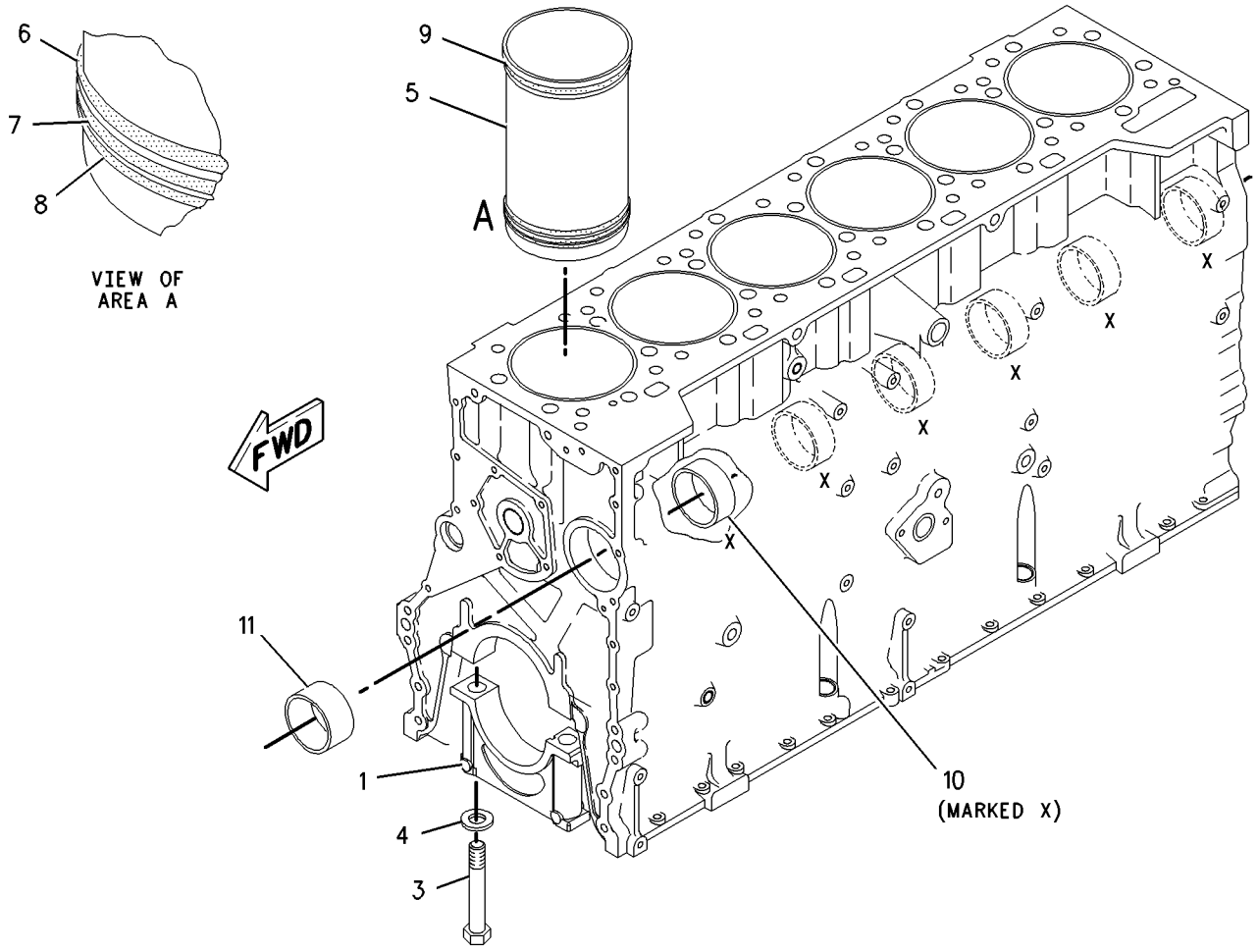
202-1258 CYLINDER BLOCK GP

S/N: 1DZ3603-UP

PART OF 122-9276, 7E-4697, 8N-9267 CYLINDER BLOCK GP

SMCS-1201 **i01871881**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**167-8081**	7	CAP-CRANKSHAFT BEARING	
	3	1	**167-8083**	14	BOLT	
	4	1	**9H-1031**	14	WASHER-HARD (24X41.5X6MM THK)	
	5	1	**197-9322**	6	LINER-CYLINDER	
	6	1	**142-7072**	6	SEAL-LINER (140.20MM ID)	
	7	1	**110-2220**	6	SEAL-LINER (141MM ID)	
	8	1	**142-6217**	6	SEAL-O-RING	
	9	1	**9L-5854**	6	BAND-FILLER (5.125MM ID)	
	10	1	**4N-0685**	6	BEARING-SLEEVE (MARKED X)	
	11	1	**4N-6658**	1	BEARING-SLEEVE	



GRAPHIC #1 **<END>** g00953337

BASIC ENGINE

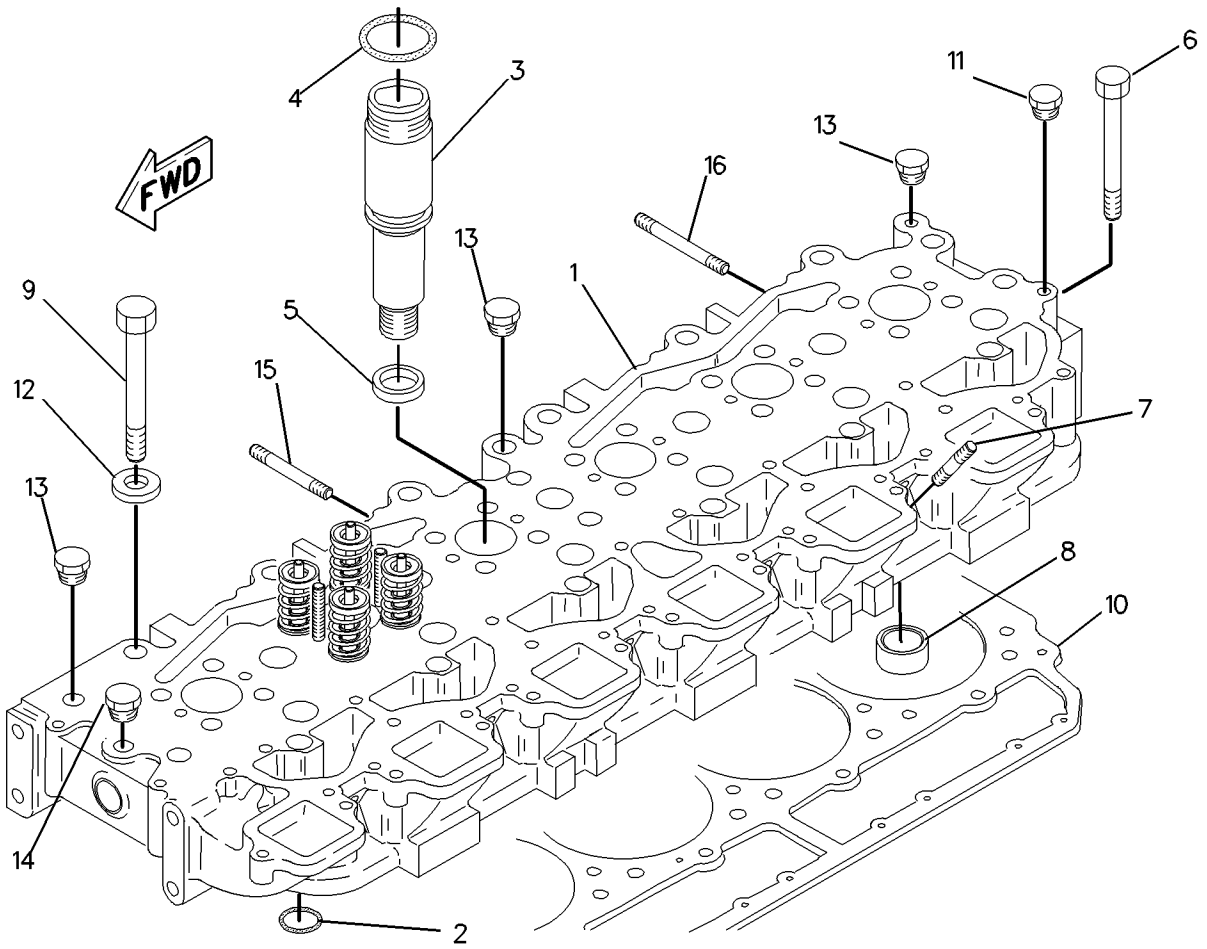
4W-2436 CYLINDER HEAD GP*R

S/N: 1DZ3603-UP

SMCS-1100 **i01871960**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*7W-2203*	1	CYLINDER HEAD GP	33
	2	1	**3S-5496**	2	SEAL-O-RING	
C	3	1	**100-6920**	6	ADAPTER-NOZZLE	
C	4	1	**8M-5249**	6	SEAL-O-RING	
	5	1	**4N-7253**	6	GASKET-CHAMBER	
	6	1	**5F-4899**	12	BOLT (3/8-16X5.5 IN)	
	7	1	**6L-7442**	6	STUD-TAPERLOCK (5/16-18X1.08 IN)	
	8	1	**3E-6772**	24	SEAL	
C	9	1	**124-1855**	20	BOLT-12 POINT HEAD (3/4-16X194MM)	
	10	1	**6I-3066**	1	GASKET-CYLINDER HEAD	
	11	1	**8T-6767**	1	PLUG-PIPE	
C	12	1	**5H-1504**	20	WASHER-HARD (20X33.5X5MM THK)	
	13	1	**7W-6492**	3	PLUG-PIPE	
B	14	1	**7W-6492**	1	PLUG-PIPE	
					(USE WITHOUT AIR COMPRESSOR)	
	15	1	**4S-6137**	1	STUD-TAPERLOCK (3/8-16X3.1IN)	
	16	1	**106-1792**	11	STUD-TAPERLOCK	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00953403

7W-2203 CYLINDER HEAD GP

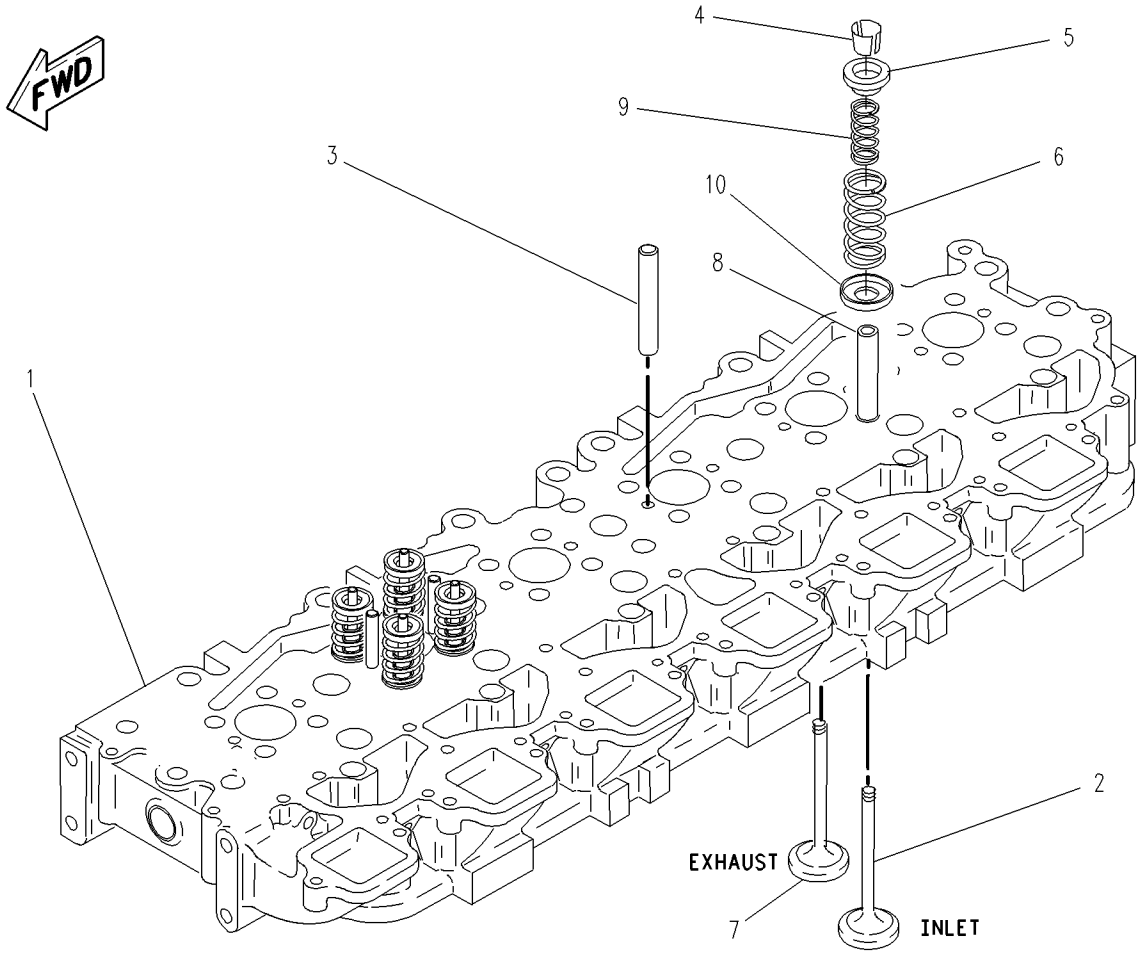
S/N: 1DZ3603-UP

PART OF 110-5095, 4W-2436 CYLINDER HEAD GP

SMCS-1100 **i01872364**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	**110-5099**	1	CYLINDER HEAD GP	37
	2	1	**115-2368**	12	VALVE-INLET (CYLINDER HEAD)	
	3	1	**2N-5775**	12	DOWEL	
	4	1	**2A-4429**	48	LOCK-RETAINER	
	5	1	**4W-2474**	24	ROTOCOIL AS	
	6	1	**4W-2471**	24	SPRING-VALVE	
	7	1	**115-2367**	12	VALVE-EXHAUST (CYLINDER HEAD)	
	8	1	**122-7374**	24	GUIDE-VALVE	
	9	1	**4W-2472**	24	SPRING-VALVE	
	10	1	**4W-2473**	24	WASHER-VALVE SPRING GUIDE	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00884917

BASIC ENGINE

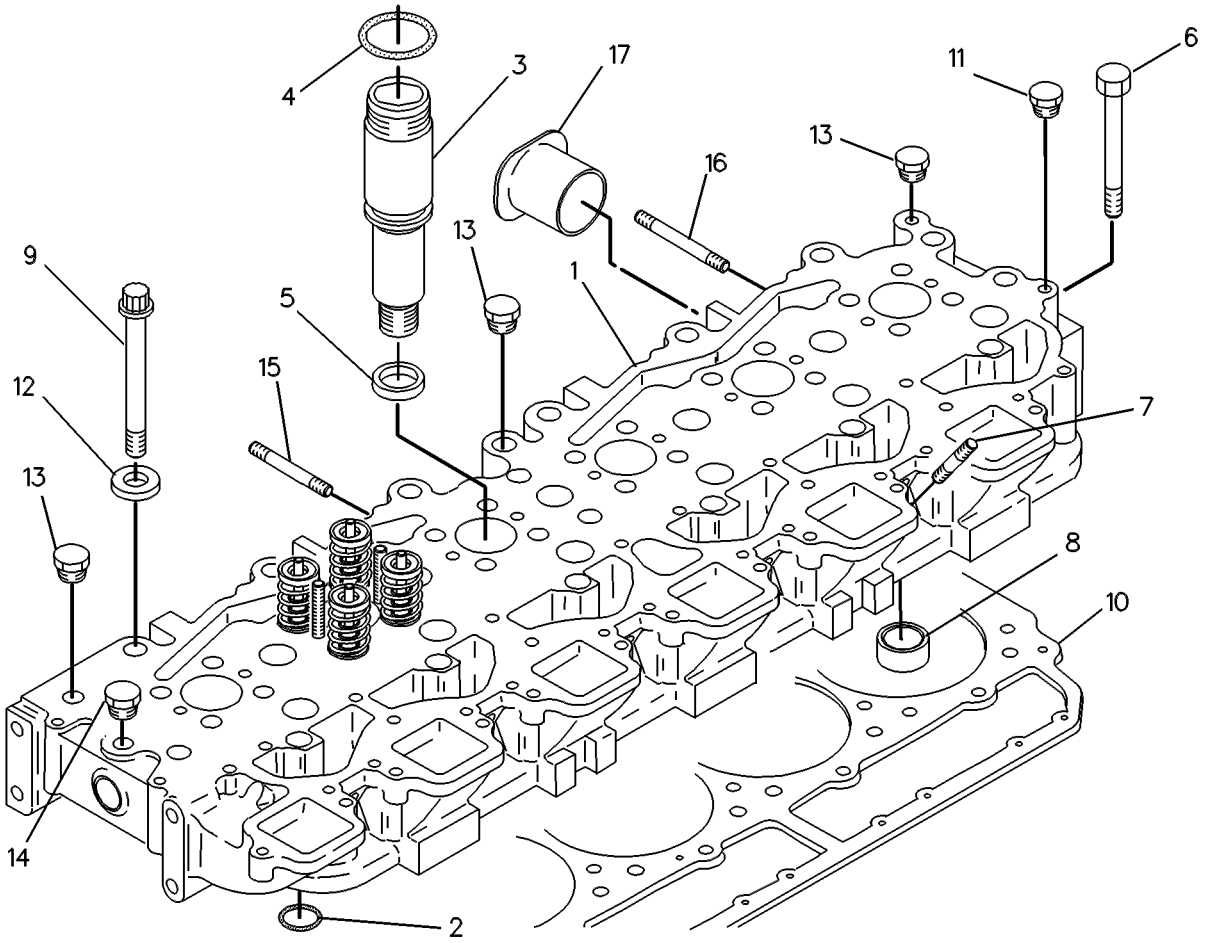
110-5095 CYLINDER HEAD GP*R

S/N: 1DZ3603-UP

SMCS-1100 **i01973899**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*7W-2203*	1	CYLINDER HEAD GP	33
	2	1	**3S-5496**	2	SEAL-O-RING	
	3	1	**100-6920**	6	ADAPTER-NOZZLE	
	4	1	**8M-5249**	6	SEAL-O-RING	
	5	1	**4N-7253**	6	GASKET-CHAMBER	
	6	1	**5F-4899**	12	BOLT (3/8-16X5.5 IN)	
	7	1	**6L-7442**	6	STUD-TAPERLOCK (5/16-18X1.08 IN)	
	8	1	**3E-6772**	24	SEAL	
	9	1	**124-1855**	20	BOLT-12 POINT HEAD (3/4-16X194MM)	
	10	1	**6I-3066**	1	GASKET-CYLINDER HEAD	
	11	1	**8T-6767**	1	PLUG-PIPE	
	12	1	**5H-1504**	20	WASHER-HARD (20X33.5X5MM THK)	
	13	1	**7W-6492**	3	PLUG-PIPE	
B	14	1	**7W-6492**	1	PLUG-PIPE	
					(USE WITHOUT AIR COMPRESSOR)	
	15	1	**4S-6137**	1	STUD-TAPERLOCK (3/8-16X3.1IN)	
	16	1	**106-1792**	11	STUD-TAPERLOCK	
	17	1	**194-8124**	6	SLEEVE AS (EXHAUST PORT)	
ABF		1	**5P-3931**		COMPOUND-ANTI-SEIZE	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
F-NOT SHOWN
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00108864

110-5096 CYLINDER HEAD GP*R

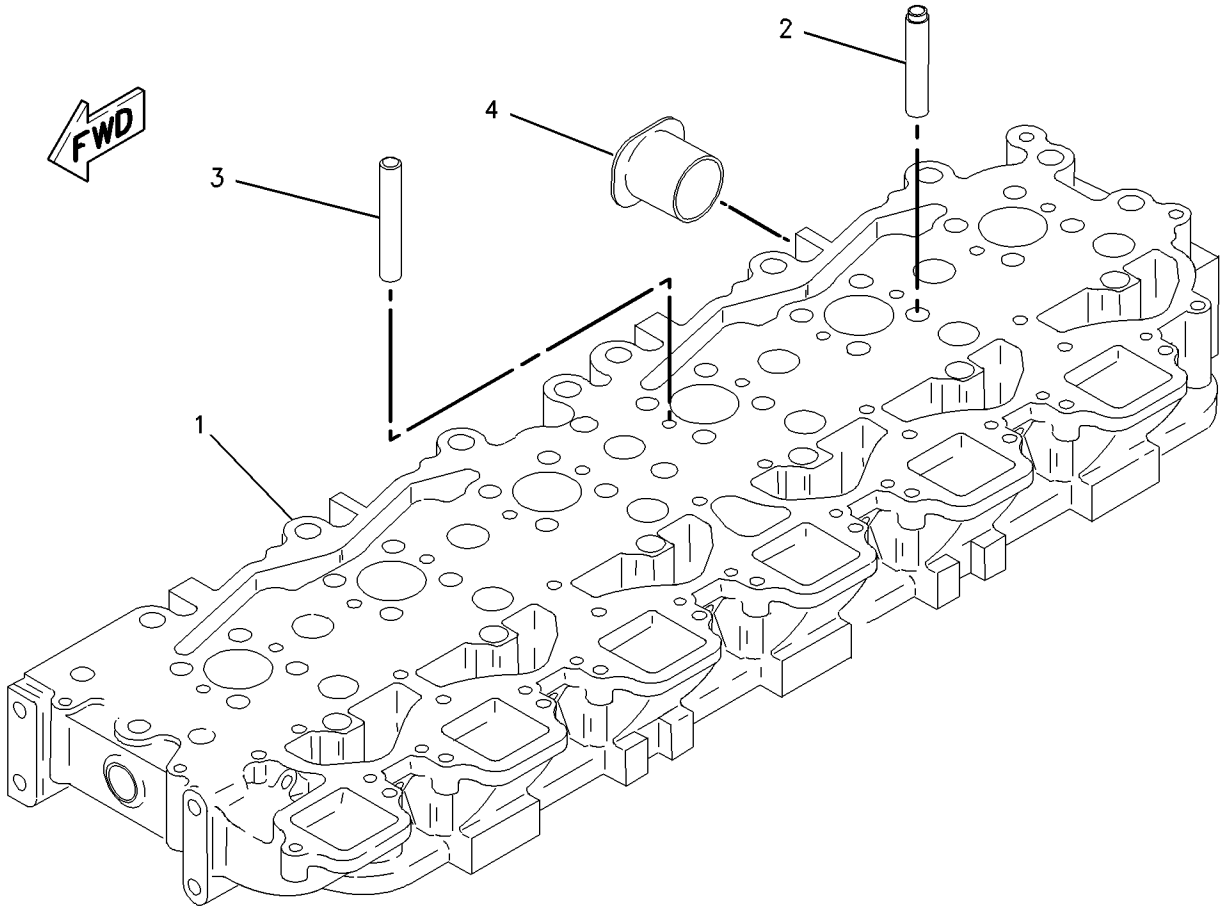
S/N: 1DZ3603-UP

FIELD REPLACEMENT FOR 110-5099—PAGE 37

SMCS-1100 **i01616347**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**110-5099**	1	CYLINDER HEAD GP	37
	2	1	**122-7374**	24	GUIDE-VALVE	
	3	1	**2N-5775**	12	DOWEL	
B	4	1	**107-5670**	6	SLEEVE AS	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00838560

110-5099 CYLINDER HEAD GP

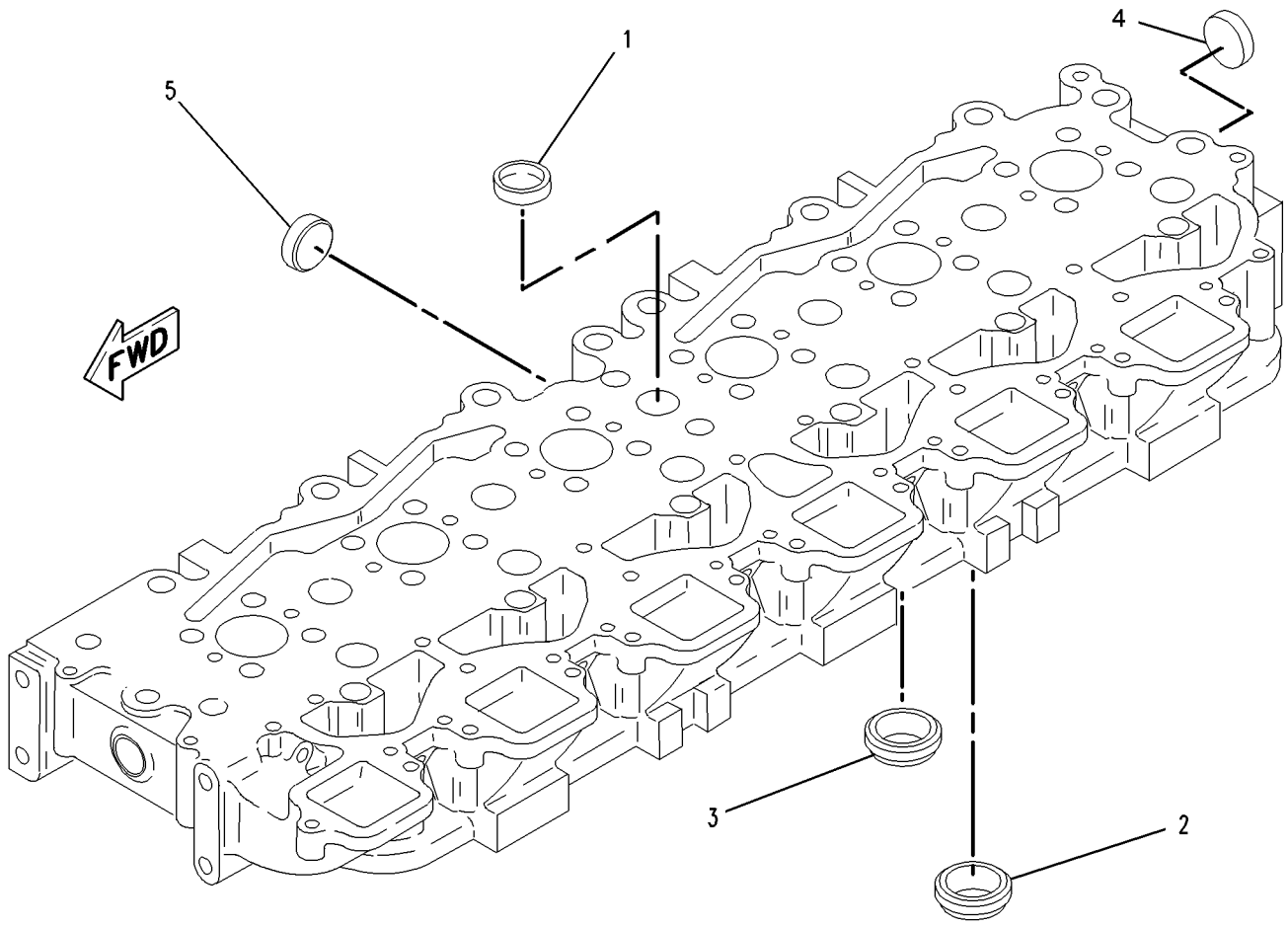
S/N: 1DZ3603-UP

PART OF 110-5096, 7W-2203 CYLINDER HEAD GP

FIELD REPLACEMENT ORDER 110-5096–PAGE 36

SMCS-1100 **i01616348**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3B-0645**	12	PLUG-CUP	
	2	1	**4N-5893**	12	INSERT-VALVE SEAT (INLET)	
	3	1	**1W-5283**	12	INSERT-VALVE SEAT (EXHAUST)	
	4	1	**2M-6471**	1	PLUG-CUP	
	5	1	**3B-0623**	10	PLUG-CUP	



GRAPHIC #1 **<END>** g00838561

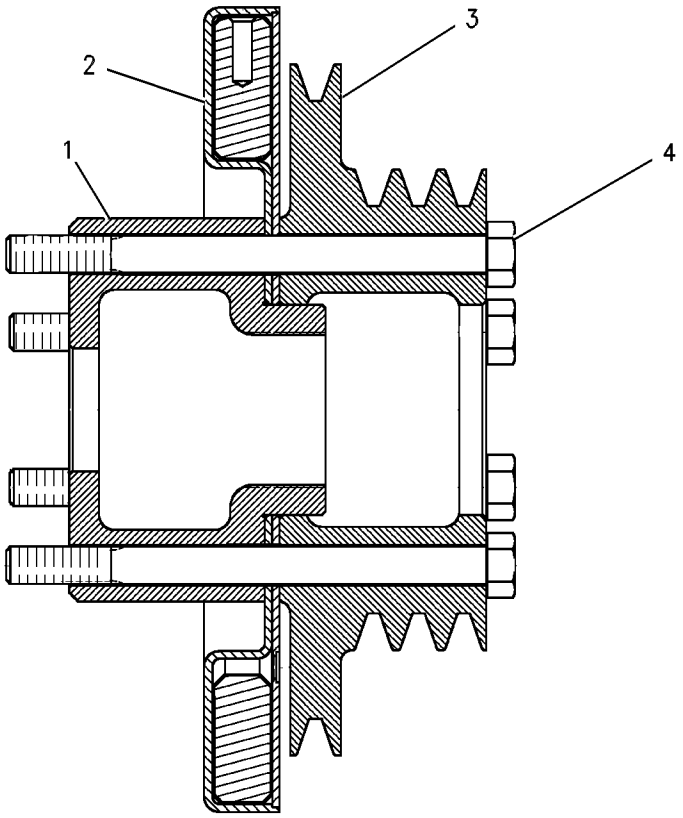
4P-5894 DAMPER & PULLEY GP

S/N: 1DZ3603-UP
4 GROOVE PULLEY

SMCS-1205 **i01848900**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**177-9024**	1	ADAPTER-DAMPER	
R	2	1	**167-8126**	1	DAMPER AS	
	3	1	**6N-7378**	1	PULLEY-CRANKSHAFT	
	4	1	**8S-4753**	6	BOLT (5/8-18X8 IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00648600

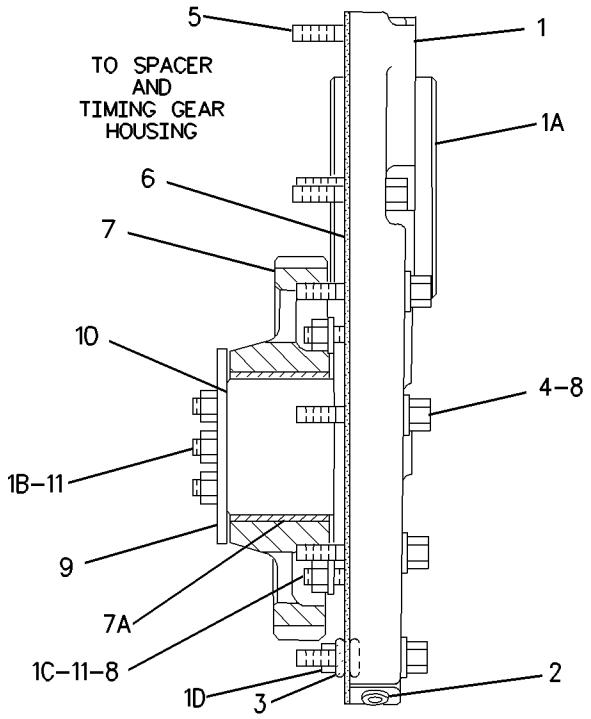
8N-9653 DRIVE GP-ACCESSORY

S/N: 1DZ3603-UP

SMCS-1207 **i01578548**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-0942**	1	ADAPTER AS	
	1A	1	**8N-9476**	1	SLEEVE	
	1B	1	**2M-2488**	3	STUD-TAPERLOCK	
	1C	1	**2M-1538**	3	STUD-TAPERLOCK	
	1D	1	**1M-3735**	1	DOWEL	
	2	1	**8T-6763**	1	PLUG-PIPE	
	3	1	**8M-4447**	2	SEAL-O-RING	
	4	1	**0L-2070**	5	BOLT (3/8-16X2.25 IN)	
C	5	1	**053-2294**	2	BOLT-12 POINT HEAD (3/8-16X1.75 IN)	
	6	1	**1W-1898**	1	GASKET	
	7	1	**8N-8259**	1	GEAR AS-IDLER (65 TEETH)	
	7A	1	**8N-8258**	1	BEARING-SLEEVE	
	8	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5MM THK)	
	9	1	**8N-8256**	1	PLATE-THRUST	
C	10	1	**7W-4381**	1	SHAFT-IDLER	
	11	1	**9S-8752**	6	NUT-FULL (3/8-16 THD)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00819728

7N-8837 DRIVE GP-FAN

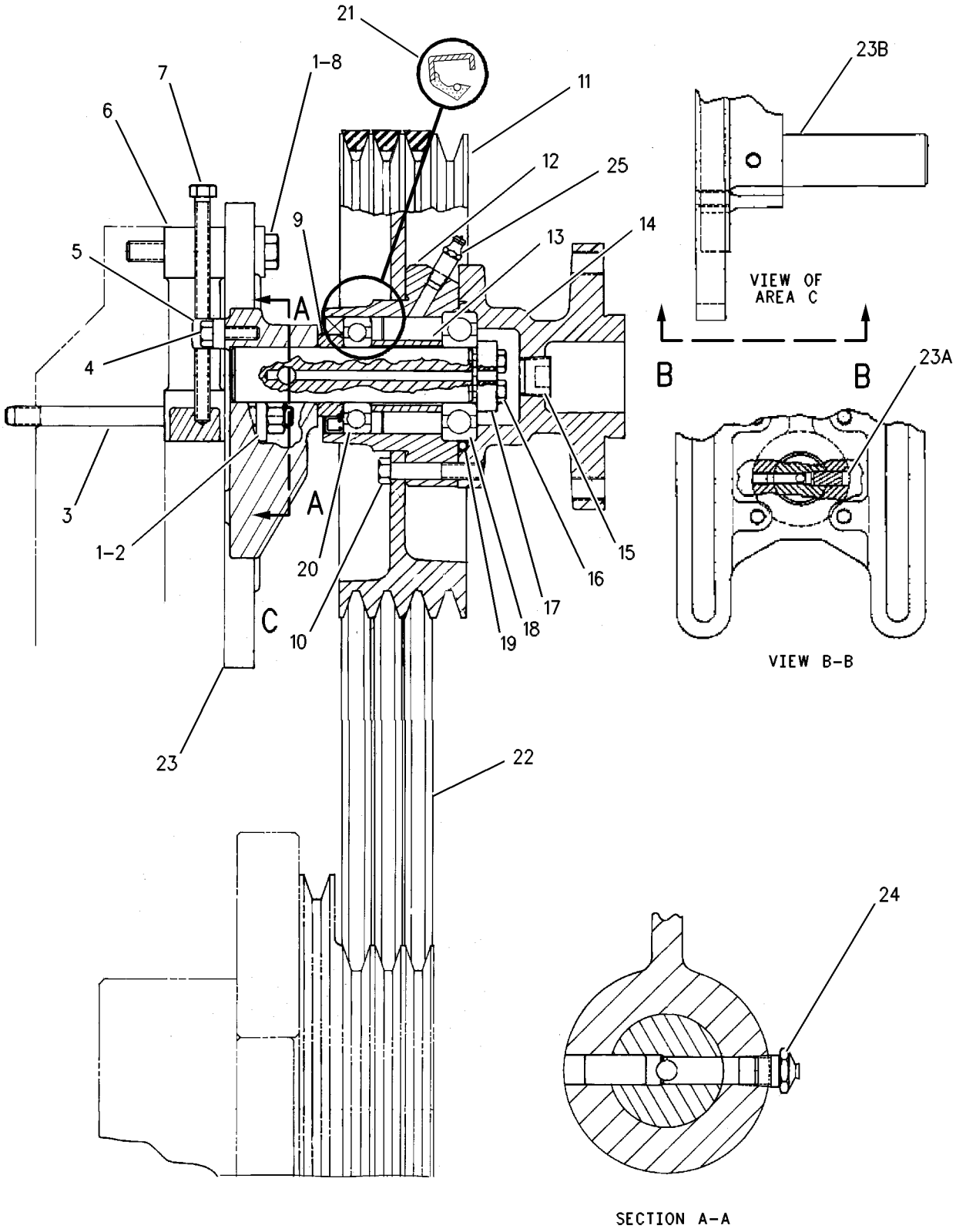
S/N: KPS1-UP

4 GROOVE-10.5 INCH DIAMETER PULLEY-.681 DRIVE RATIO AND BLOWER DRIVE AN ATTACHMENT

SMCS-1359 **i01906368**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-3391**	4	WASHER-HARD (13.5X32X6MM THK)	
	2	1	**6V-8188**	2	NUT (1/2-13 THD)	
	3	1	**2P-9084**	2	STUD-TAPERLOCK	
	4	1	**8T-2502**	2	BOLT (3/8-16X1.125 IN)	
	5	1	**9N-5120**	1	BRACKET	
	6	1	**4N-2372**	1	ADAPTER-BRACKET	
	7	1	**5R-1771**	1	BOLT (3/8-16 X 5.5 INCH)	
	8	1	**7X-0328**	2	BOLT (1/2-13X3.50 IN)	
	9	1	**5S-9062**	1	SPACER (35.032X50.8X15.88MM THK)	
	10	1	**8T-9377**	6	BOLT (3/8-16X2.25 IN)	
	11	1	**6N-0597**	1	PULLEY-FAN DRIVE	
	12	1	**7N-8827**	1	HUB	
	13	1	**8N-5305**	1	SPACER (35.6X47.62X43.74MM THK)	
	14	1	**6N-6598**	1	ADAPTER-FAN	
	15	1	**1B-5174**	1	PLUG-PIPE	
	16	1	**5P-7979**	2	BOLT-LOCKING (5/16X24X2.25 IN)	
	17	1	**7N-2900**	1	RETAINER (47.63MM 1.88IN OD)	
	18	1	**3L-1425**	1	BALL BEARING	
	19	1	**9F-4446**	1	SEAL-O-RING	
	20	1	**8H-9789**	1	BALL BEARING	
	21	1	**5S-2106**	1	SEAL-LIP	
	22	1	**6N-6652**	1	V-BELT SET (INCLUDES 3 BELTS) (FAN DRIVE)	
	23	1	**6N-7688**	1	BRACKET AS-FAN	
	23A	1	**4N-0684**	1	DOWEL	
	23B	1	**1P-9946**	1	SHAFT-FAN	
	24	1	**4B-4550**	1	FITTING-GREASE (FAN DRIVE)	
	25	1	**2D-4867**	1	FITTING-GREASE (1/8-27 THD) (FAN DRIVE)	

7N-8837 DRIVE GP-FAN *(contd.)* **i01906368**



GRAPHIC #1 **<END>** g00638935

7N-8838 DRIVE GP-FAN

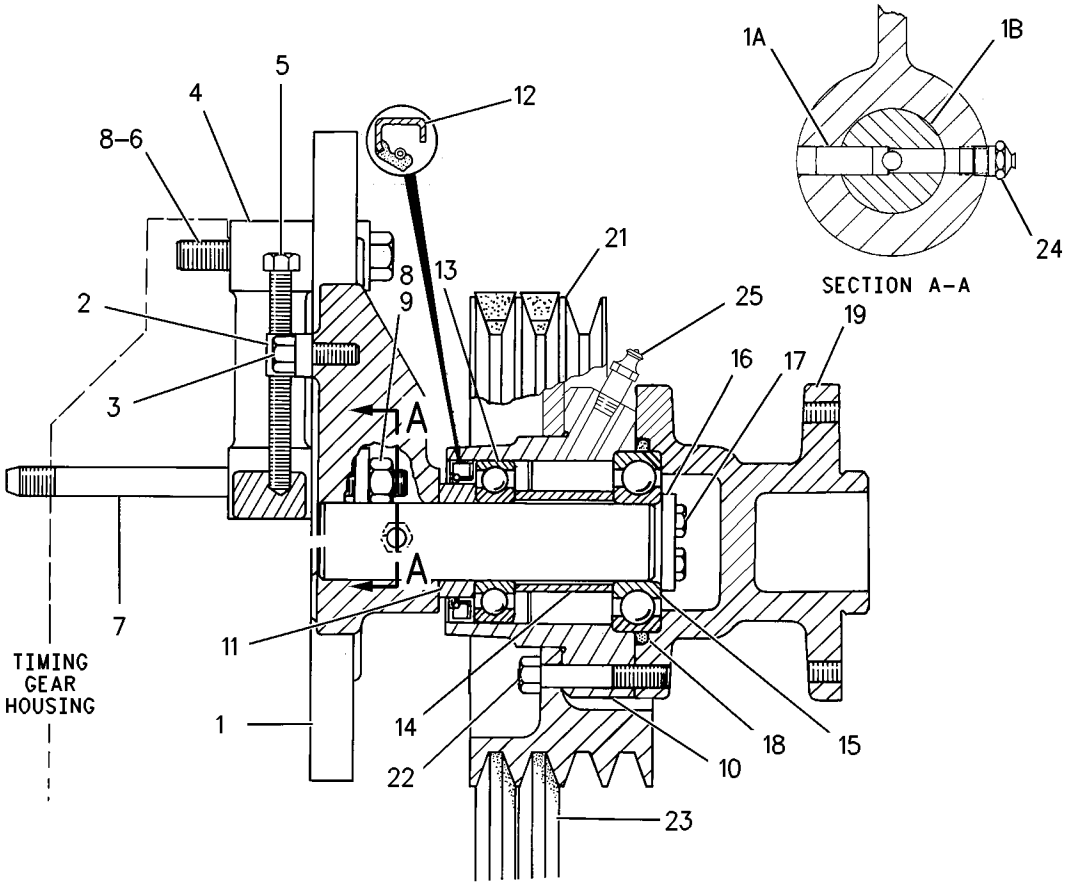
S/N: KPS1-UP

3 GROOVE-8.5 INCH DIAMETER-2.5 INCH PILOT-.941 DRIVE RATIO AND BLOWER DRIVE AN ATTACHMENT

SMCS-1359 **i01906374**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-7688**	1	BRACKET AS-FAN	
	1A	1	**4N-0684**	1	DOWEL	
	1B	1	**1P-9946**	1	SHAFT-FAN	
	2	1	**9N-5120**	1	BRACKET	
	3	1	**8T-2502**	2	BOLT (3/8-16X1.125 IN)	
	4	1	**4N-2372**	1	ADAPTER-BRACKET	
	5	1	**8L-5213**	1	BOLT (3/8-16X4IN)	
	6	1	**7X-0328**	2	BOLT (1/2-13X3.50 IN)	
	7	1	**2P-9084**	2	STUD-TAPERLOCK	
	8	1	**7X-3391**	4	WASHER-HARD (13.5X32X6MM THK)	
	9	1	**6V-8188**	2	NUT (1/2-13 THD)	
	10	1	**7N-8827**	1	HUB	
	11	1	**5S-9062**	1	SPACER (35.032X50.8X15.88MM THK)	
	12	1	**5S-2106**	1	SEAL-LIP	
	13	1	**8H-9789**	1	BALL BEARING	
	14	1	**8N-5305**	1	SPACER (35.6X47.62X43.74MM THK)	
	15	1	**3L-1425**	1	BALL BEARING	
	16	1	**7N-2900**	1	RETAINER (47.63MM)	
	17	1	**5P-7979**	2	BOLT-LOCKING (5/16X24X2.25 IN)	
	18	1	**9F-4446**	1	SEAL-O-RING	
	19	1	**4N-2370**	1	ADAPTER-FAN	
	21	1	**4N-6289**	1	PULLEY-FAN DRIVE	
	22	1	**8T-9377**	6	BOLT (3/8-16X2.25 IN)	
	23	1	**4N-8217**	1	V-BELT SET (INCLUDES 2 BELTS) (FAN DRIVE)	
	24	1	**4B-4550**	1	FITTING-GREASE (FAN DRIVE)	
	25	1	**2D-4867**	1	FITTING-GREASE (1/8-27 THD) (FAN DRIVE)	

7N-8838 DRIVE GP-FAN *(contd.)* **i01906374**



GRAPHIC #1 **<END>** g00727824

BASIC ENGINE

7N-8840 DRIVE GP-FAN

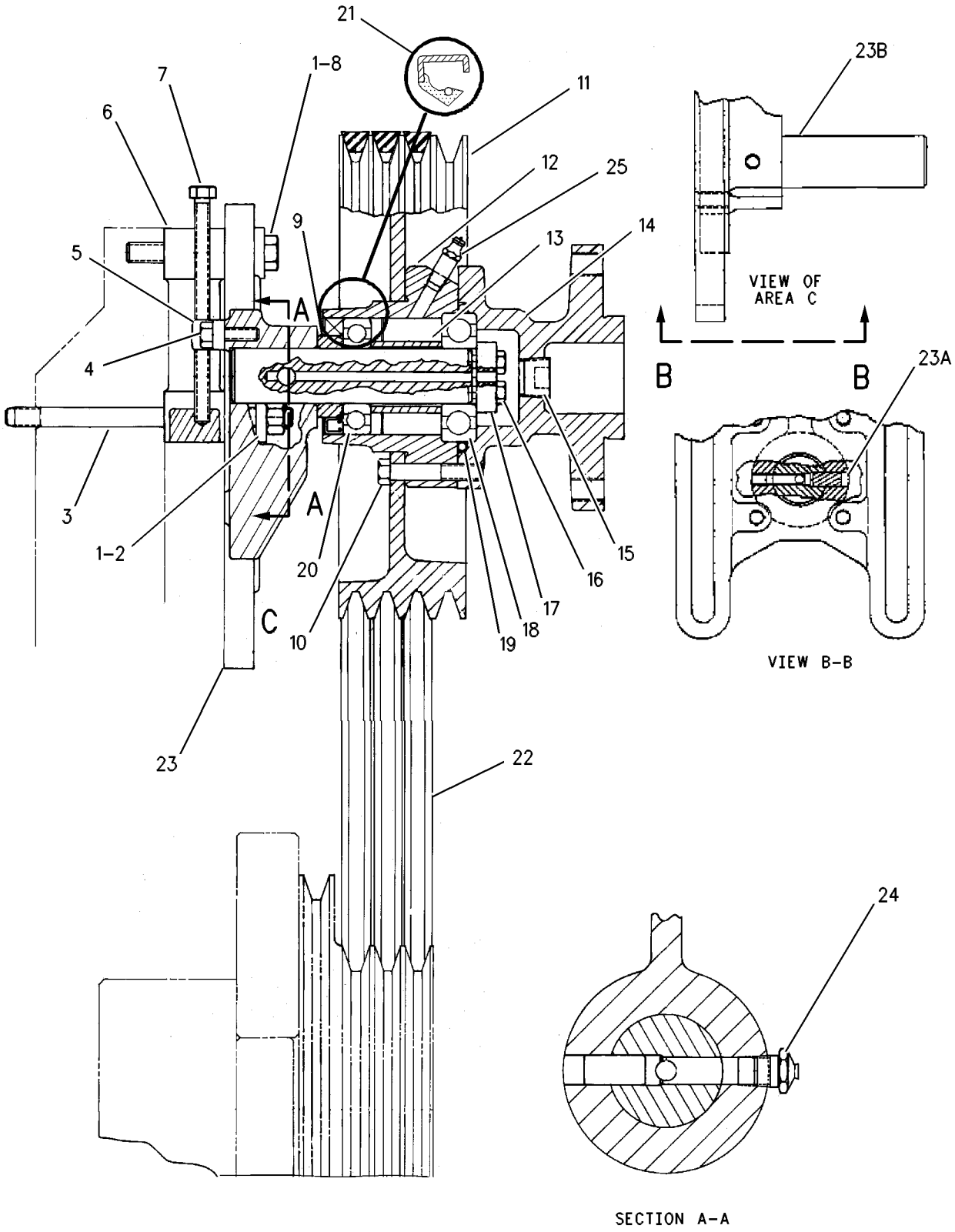
S/N: KPS1-UP

4 GROOVE-254MM DIAMETER PULLEY-.800 DRIVE RATIO AND BLOWER DRIVE AN ATTACHMENT

SMCS-1359 **i01959271**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-3391**	4	WASHER-HARD (13.5X32X6MM THK)	
	2	1	**6V-8188**	2	NUT (1/2-13 THD)	
	3	1	**2P-9084**	2	STUD-TAPERLOCK	
	4	1	**8T-2502**	2	BOLT (3/8-16X1.125 IN)	
	5	1	**9N-5120**	1	BRACKET	
	6	1	**4N-2372**	1	ADAPTER-BRACKET	
	7	1	**5R-1771**	1	BOLT (3/8-16 X 5.5 INCH)	
	8	1	**7X-0328**	2	BOLT (1/2-13X3.50 IN)	
	9	1	**5S-9062**	1	SPACER (35.032X50.8X15.88MM THK)	
	10	1	**8T-9377**	6	BOLT (3/8-16X2.25 IN)	
	11	1	**7N-8828**	1	PULLEY-FAN DRIVE	
	12	1	**7N-8827**	1	HUB	
	13	1	**8N-5305**	1	SPACER (35.6X47.62X43.74MM THK)	
	14	1	**6N-6598**	1	ADAPTER-FAN	
	15	1	**1B-5174**	1	PLUG-PIPE	
	16	1	**5P-7979**	2	BOLT-LOCKING (5/16X24X2.25 IN)	
	17	1	**7N-2900**	1	RETAINER (47.63MM OD)	
	18	1	**3L-1425**	1	BALL BEARING	
	19	1	**9F-4446**	1	SEAL-O-RING	
	20	1	**8H-9789**	1	BALL BEARING	
	21	1	**5S-2106**	1	SEAL-LIP	
	22	1	**6N-6656**	1	V-BELT SET (INCLUDES 3 BELTS) (FAN DRIVE)	
	23	1	**6N-7688**	1	BRACKET AS-FAN	
	23A	1	**4N-0684**	1	DOWEL	
	23B	1	**1P-9946**	1	SHAFT-FAN	
	24	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (FAN DRIVE)	
	25	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	

7N-8840 **DRIVE GP-FAN** *(contd.)* **i01959271**



GRAPHIC #1 **<END>** g00639053

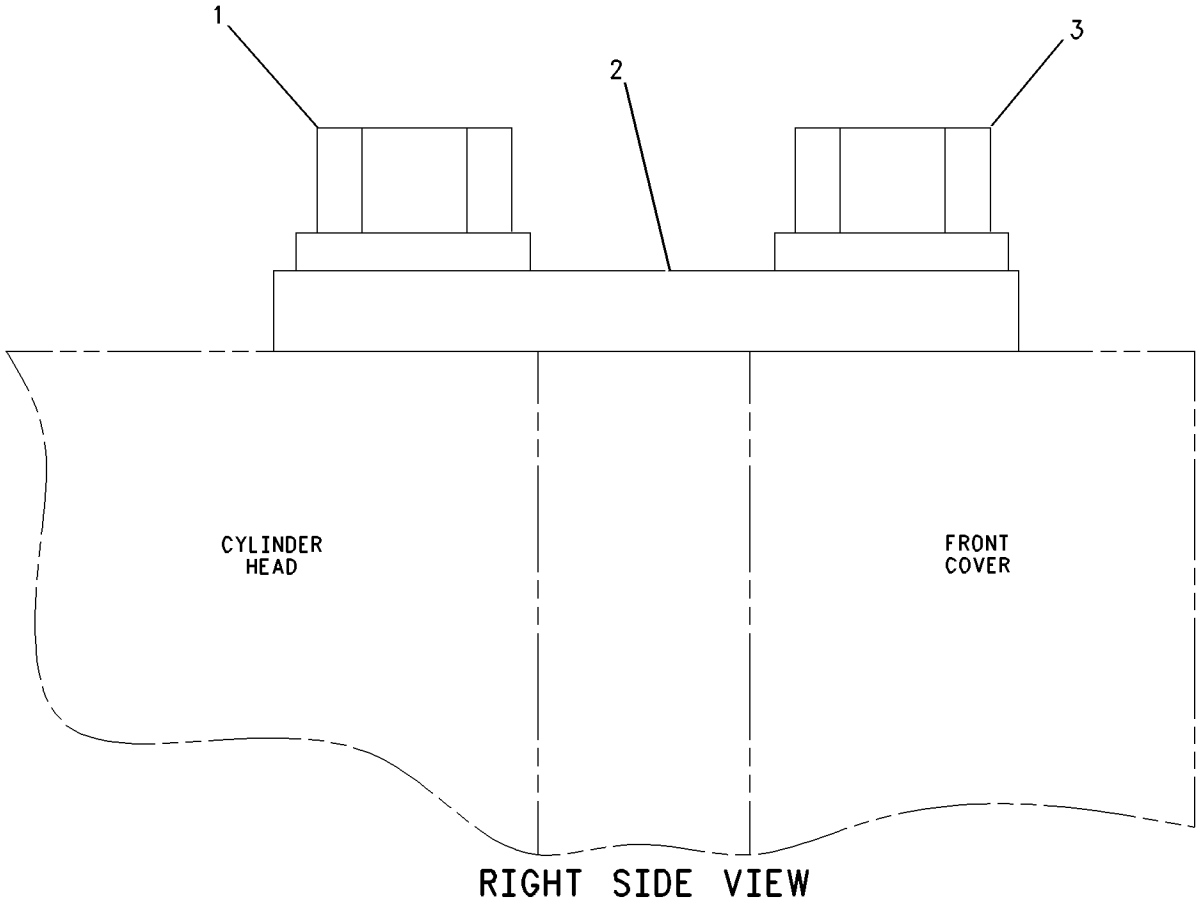
4N-6006 FASTENER GP-FRONT HOUSING

S/N: 1DZ3603-UP

SMCS-1151, 1162 **i01848911**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1A-2029**	3	BOLT (3/8-16X1.125 IN)	
		1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
	2	1	**4N-4107**	1	PLATE	
B	3	1	**1A-2029**	1	BOLT (3/8-16X1.125 IN)	
B		1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5MM THK)	

B-USE AS REQUIRED



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00942302

BASIC ENGINE

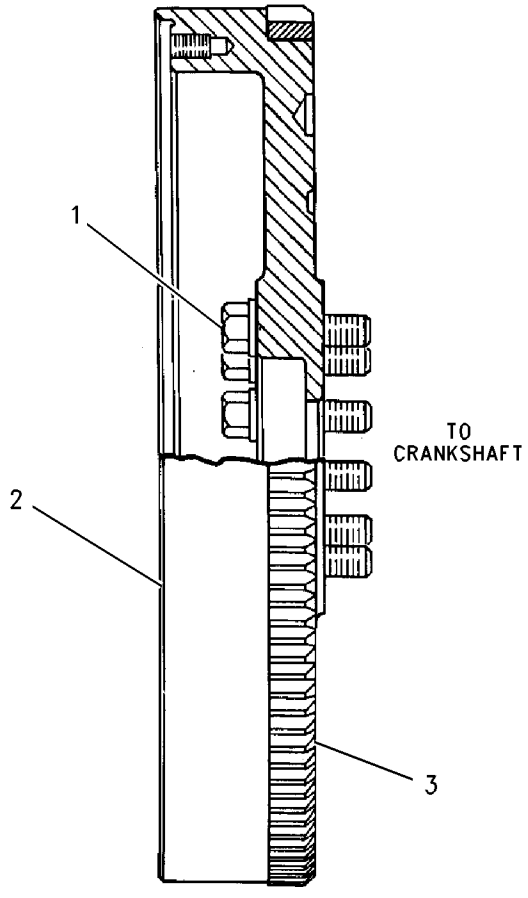
7N-3060 FLYWHEEL GP

S/N: 1DZ3603-UP

FOR USE WITH SAE #1 FLYWHEEL HOUSING

SMCS-1156 **i01472674**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1601**	12	BOLT (5/8-18X2.75IN)	
		1	**4D-3704**	12	WASHER-HARD (17X30X5MM THK)	
	2	1	**7W-1248**	1	FLYWHEEL AS	
	3	1	**4N-2514**	1	GEAR (113 TEETH)	



GRAPHIC #1 **<END>** g00768376

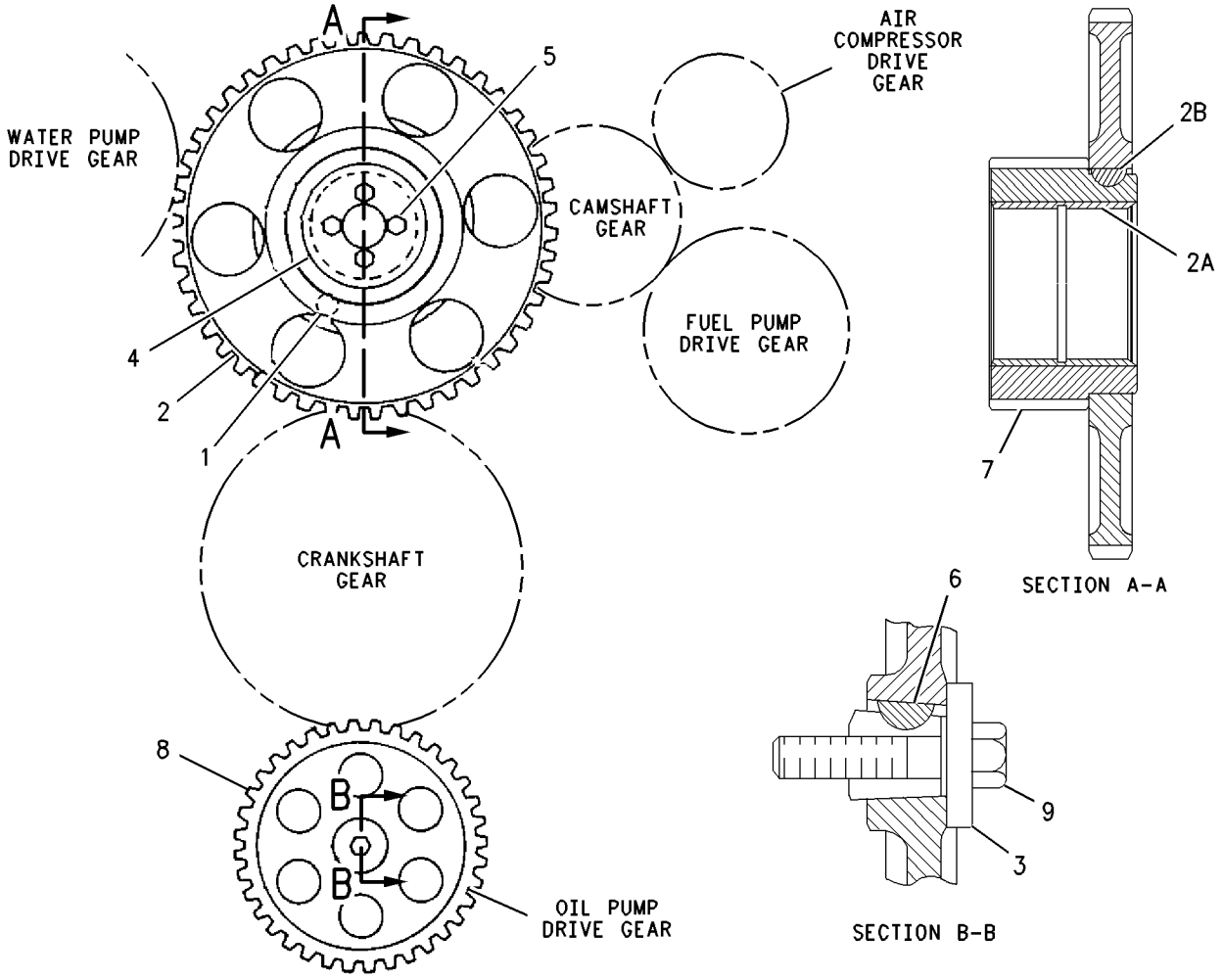
BASIC ENGINE

8N-9246 GEAR GP-FRONT

S/N: 1DZ3603-UP

SMCS-1206 **i01578558**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3G-2292**	5	BOLT-LOCKING (3/8-16X22.22MM)	
	2	1	**2W-7455**	1	GEAR AS-IDLER (42 & 105 TEETH)	
	2A	1	**131-7123**	1	BEARING-SLEEVE	
	2B	1	**1B-8705**	1	KEY-WOODRUFF	
	3	1	**1P-7346**	1	WASHER-HARD (10.2X35X6MM THK)	
	4	1	**112-9217**	1	PLATE-THRUST	
	5	1	**126-1756**	4	BOLT-LOCKING	
	6	1	**1B-8705**	1	KEY-WOODRUFF	
	7	1	**6I-0093**	1	SHAFT-IDLER	
	8	1	**7E-5661**	1	GEAR-OIL PUMP DRIVE (69 TEETH)	
	9	1	**0S-1571**	1	BOLT (3/8-16X1.75 IN)	



GRAPHIC #1 **<END>** g00819735

2W-9666 GUARD GP-BELT

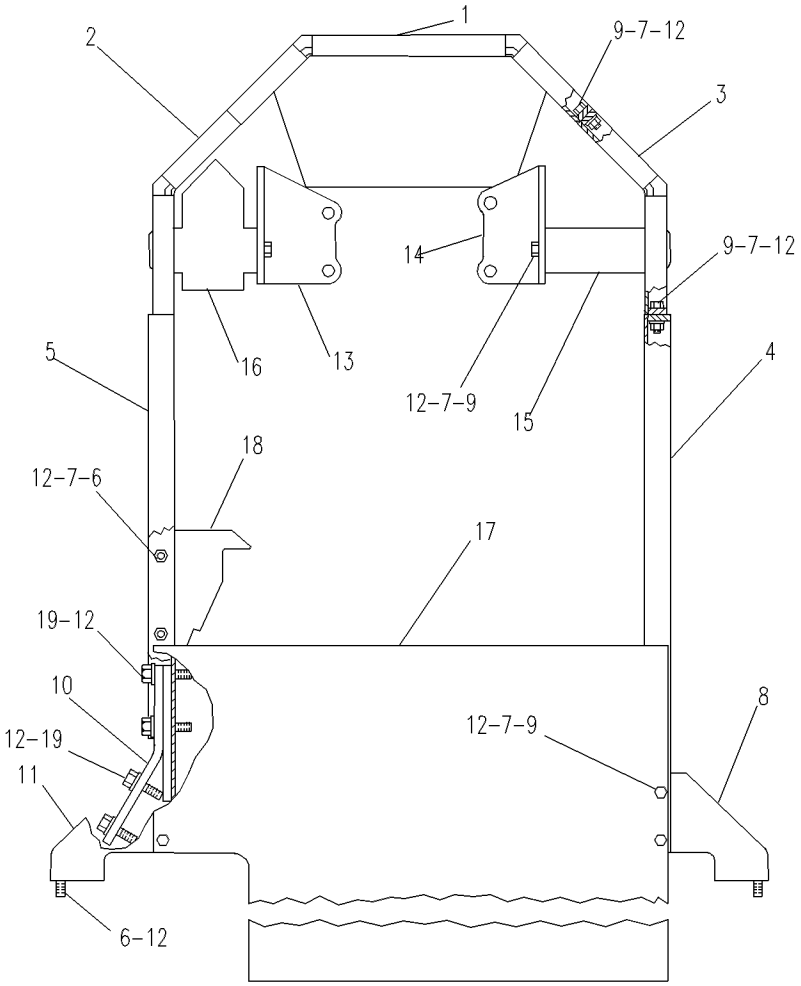
S/N: KPS1-UP
RADIATOR FAN
CANNOT BE USED WITH ALTERNATOR, AIR COMPRESSOR,MOBILE EQUIPMENT FAN DRIVE, OR CUSTOMER SUPPLIED RADIATOR
AN ATTACHMENT

SMCS-7174 **i01552078**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**206-9188**	1	PLATE AS (TOP)	
	2	1	**206-8876**	1	PLATE AS-RH	
	3	1	**206-8874**	1	PLATE AS-LH	
	4	1	**2W-9672**	1	GUARD AS-LH	
	5	1	**2W-9667**	1	GUARD AS-RH	
	6	1	**4L-6454**	6	BOLT (3/8-16X1 IN)	
C	7	1	**6V-8801**	18	NUT (3/8-16 THD)	
	8	1	**2W-9691**	1	BRACKET-LH	
	9	1	**8T-2502**	16	BOLT (3/8-16X1.125 IN)	
	10	1	**2W-9686**	2	STRAP	
	11	1	**2W-9690**	1	BRACKET-RH	
C	12	1	**8T-4896**	48	WASHER-HARD (10.2X18.5X2.5MM THK)	
	13	1	**2W-9688**	1	BRACKET-RH	
	14	1	**2W-9689**	1	BRACKET-LH	
	15	1	**2W-9685**	1	BRACKET-LH	
	16	1	**2W-9687**	1	BRACKET-RH	
	17	1	**7C-0675**	1	PLATE	
C	18	1	**7W-1117**	1	PLATE	
C	19	1	**9B-7237**	8	BOLT (3/8-16X1.25 IN)	

C-CHANGE FROM PREVIOUS TYPE

2W-9666 **GUARD GP-BELT** ***(contd.)*** **i01552078**



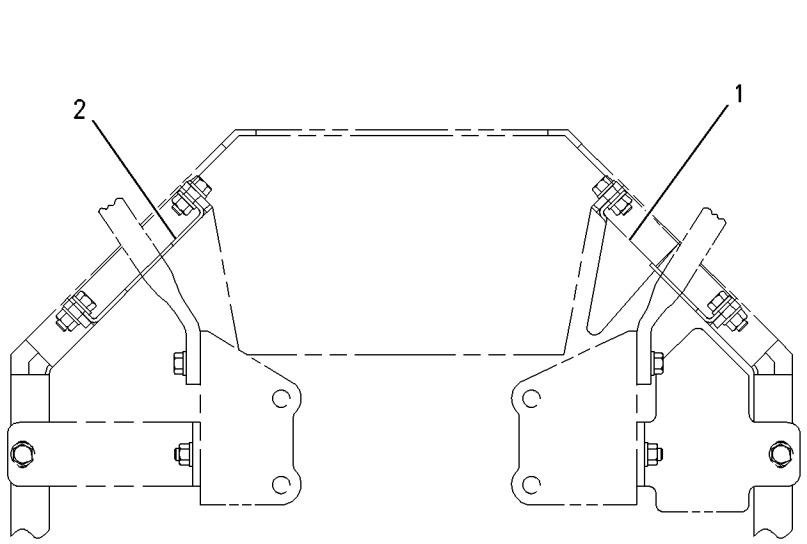
GRAPHIC #1 **<END>** g00379380

200-4289 GUARD GP-BELT

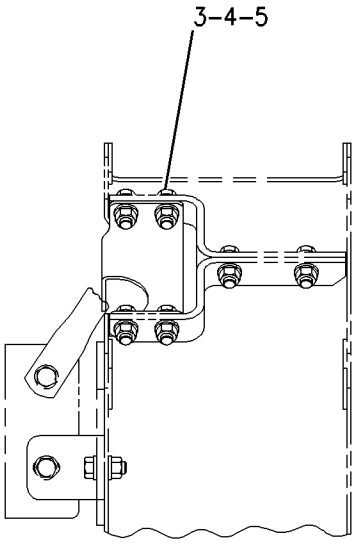
S/N: KPS1-UP
FOR USE WITH C SIZE RADIATOR
AN ATTACHMENT

SMCS-7174 **i01584917**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**199-8972**	1	PLATE	
	2	1	**200-2302**	1	PLATE	
	3	1	**8T-2502**	8	BOLT (3/8-16X1.125 IN)	
	4	1	**8T-4896**	16	WASHER-HARD (10.2X18.5X2.5MM THK)	
	5	1	**6V-8801**	8	NUT (3/8-16 THD)	



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00830859

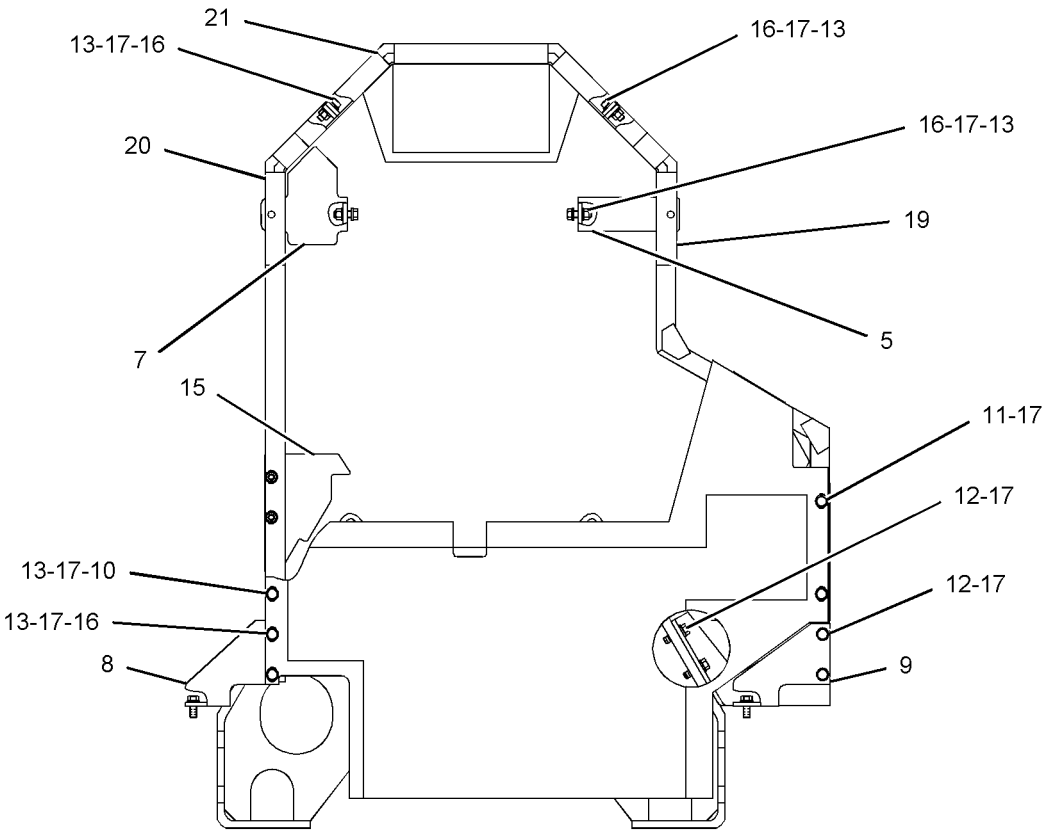
BASIC ENGINE

219-6109 GUARD GP-BELT

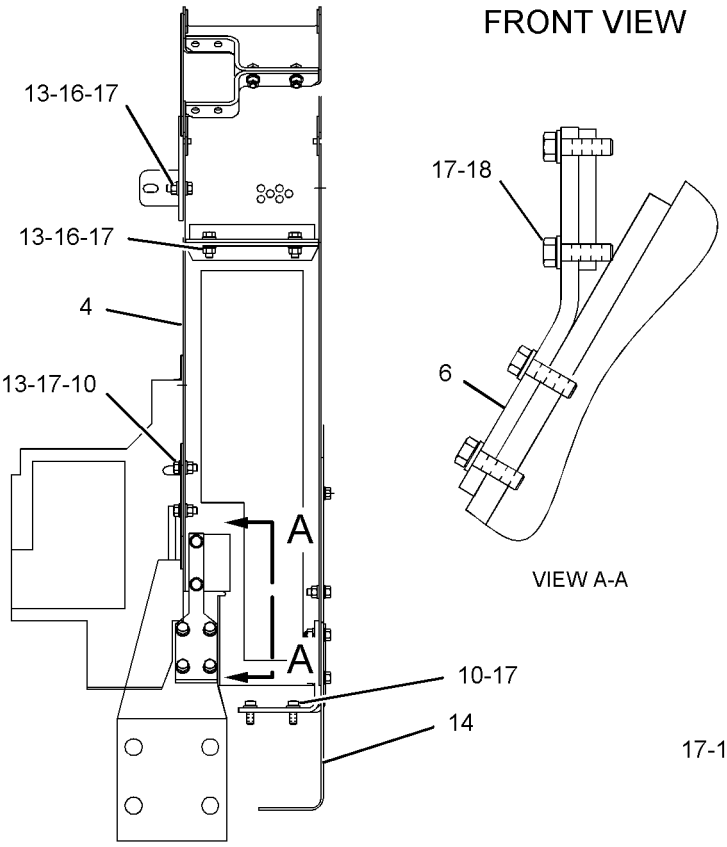
S/N: KPS1-UP
AN ATTACHMENT

SMCS-7174 **i01856702**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-9660**	1	GUARD-ALTERNATOR	
	2	1	**2W-9661**	1	BRACKET	
	3	1	**2W-9663**	1	GUARD AS-ALTERNATOR	
	4	1	**2W-9667**	1	GUARD AS (RH)	
	5	1	**2W-9685**	1	BRACKET	
	6	1	**2W-9686**	1	STRAP	
	7	1	**2W-9687**	1	BRACKET (RH)	
	8	1	**2W-9690**	1	BRACKET (RH)	
	9	1	**2W-9694**	1	BRACKET (LH)	
	10	1	**4L-6454**	9	BOLT (3/8-16X1 IN)	
	11	1	**5M-3062**	5	BOLT (3/8-16X0.75 IN)	
	12	1	**5S-7379**	4	BOLT (3/8-16X0.875 IN)	
	13	1	**6V-8801**	17	NUT (3/8-16 THD)	
	14	1	**7C-0676**	1	PLATE	
	15	1	**7W-1117**	1	PLATE	
	16	1	**8T-2502**	14	BOLT (3/8-16X1.125 IN)	
	17	1	**8T-4896**	49	WASHER-HARD (10.2X18.5X2.5MM THK)	
	18	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	19	1	**206-8874**	1	PLATE AS (LH)	
	20	1	**206-8876**	1	PLATE AS (RH)	
	21	1	**206-9188**	1	PLATE AS (TOP)	

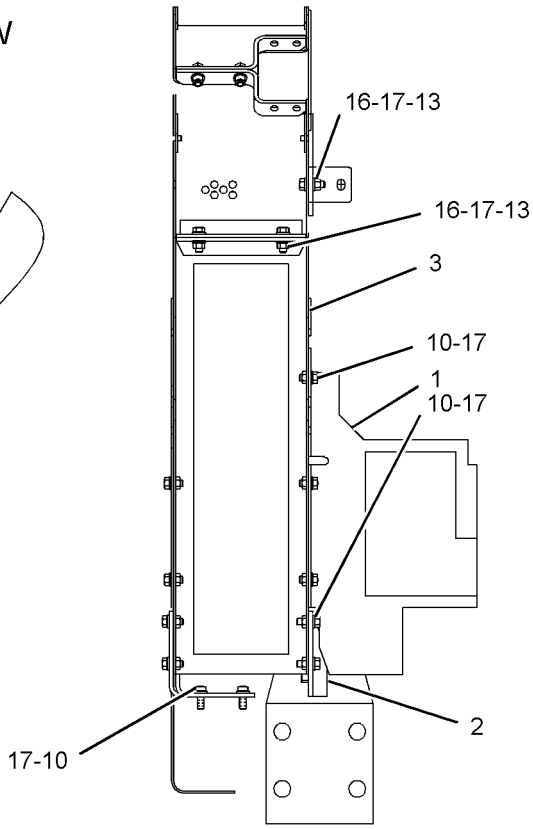


FRONT VIEW



RIGHT SIDE VIEW

VIEW A-A



LEFT SIDE VIEW

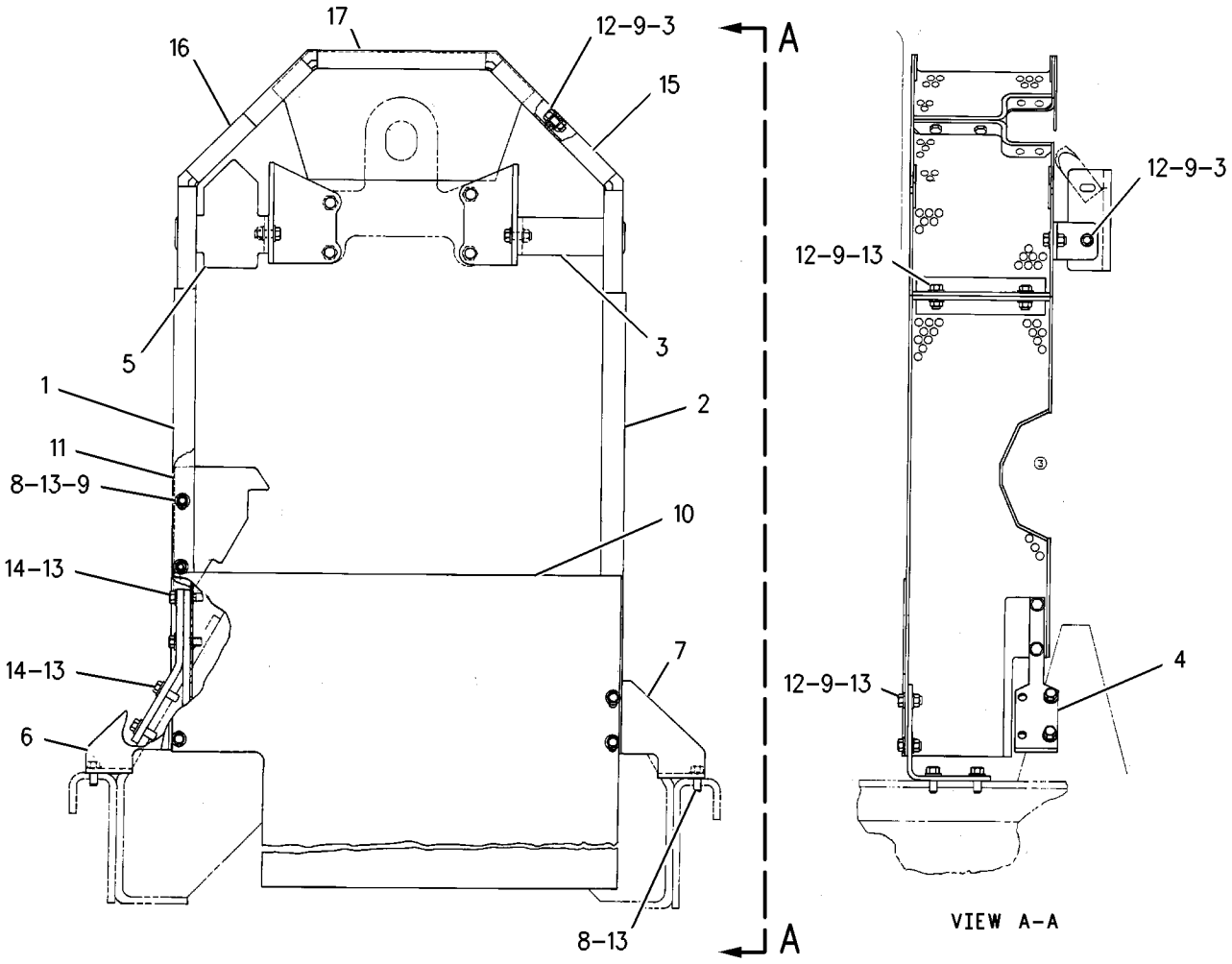
GRAPHIC #1 **<END>** g01015820

219-6110 GUARD GP-BELT

S/N: KPS1-UP
AN ATTACHMENT

SMCS-7174 **i01694968**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-9667**	1	GUARD AS (RH)	
	2	1	**2W-9672**	1	GUARD AS (LH)	
	3	1	**2W-9685**	1	BRACKET-LH	
	4	1	**2W-9686**	2	STRAP	
	5	1	**2W-9687**	1	BRACKET-RH	
	6	1	**2W-9690**	1	BRACKET-RH	
	7	1	**2W-9691**	1	BRACKET-LH	
	8	1	**4L-6454**	6	BOLT (3/8-16X1 IN)	
	9	1	**6V-8801**	18	NUT (3/8-16 THD)	
	10	1	**7C-0675**	1	PLATE	
	11	1	**7W-1117**	1	PLATE	
	12	1	**8T-2502**	16	BOLT (3/8-16X1.125 IN)	
	13	1	**8T-4896**	48	WASHER-HARD (10.2X18.5X2.5MM THK)	
	14	1	**9B-7237**	8	BOLT (3/8-16X1.25 IN)	
	15	1	**206-8874**	1	PLATE AS-LH	
	16	1	**206-8876**	1	PLATE AS-RH	
	17	1	**206-9188**	1	PLATE AS (TOP)	



GRAPHIC #1 **<END>** g00876200

2W-7257 GUARD GP-DAMPER

S/N: KPS1-UP

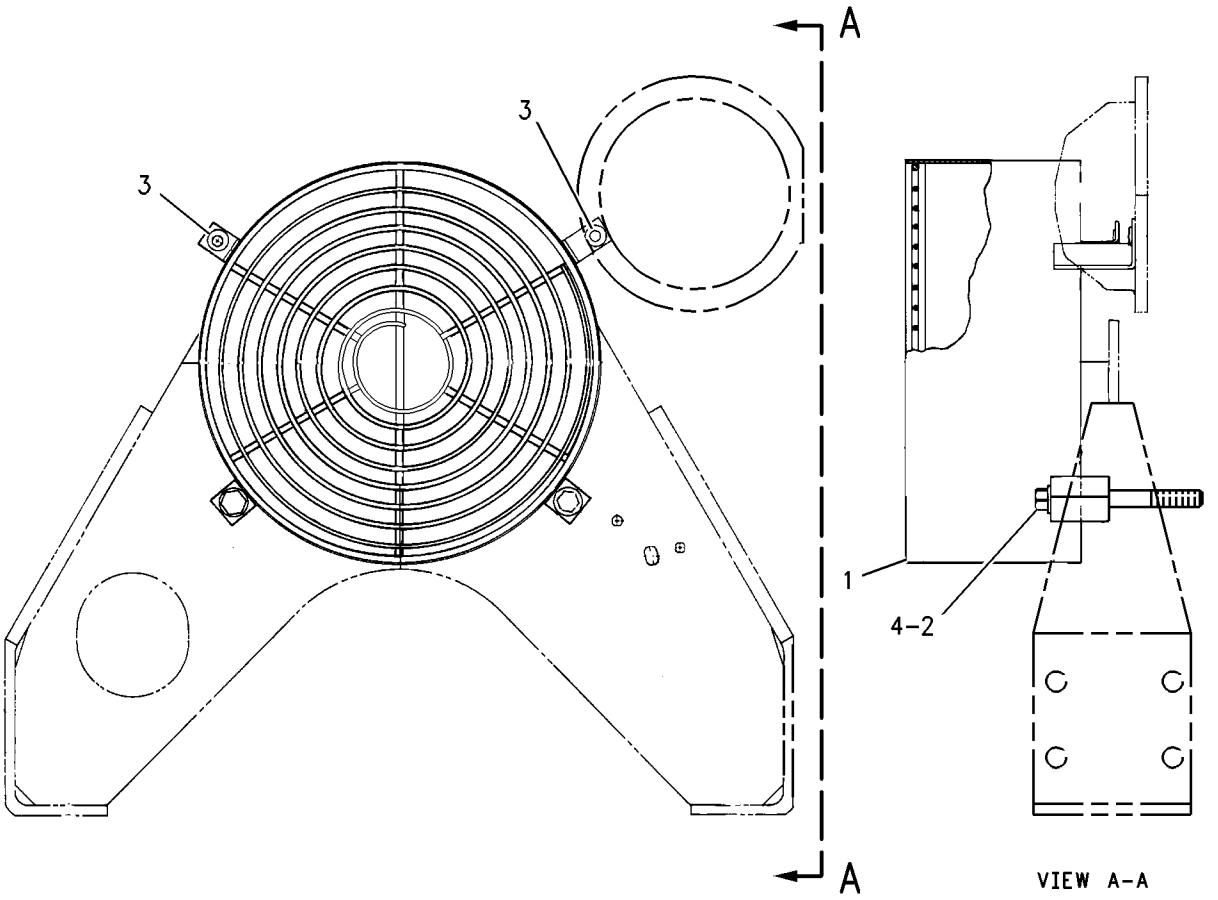
FOR USE WHEN NO ACCESSORY IS DRIVEN FROM FRONT OF CRANKSHAFT

AN ATTACHMENT

SMCS-1205 **i01780933**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-7256**	1	DAMPER & GUARD AS	
	2	1	**4B-4280**	2	WASHER (13.5X27X2.5MM THK)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
B	4	1	**1A-7669**	2	BOLT (1/2-13X7 IN)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00924828

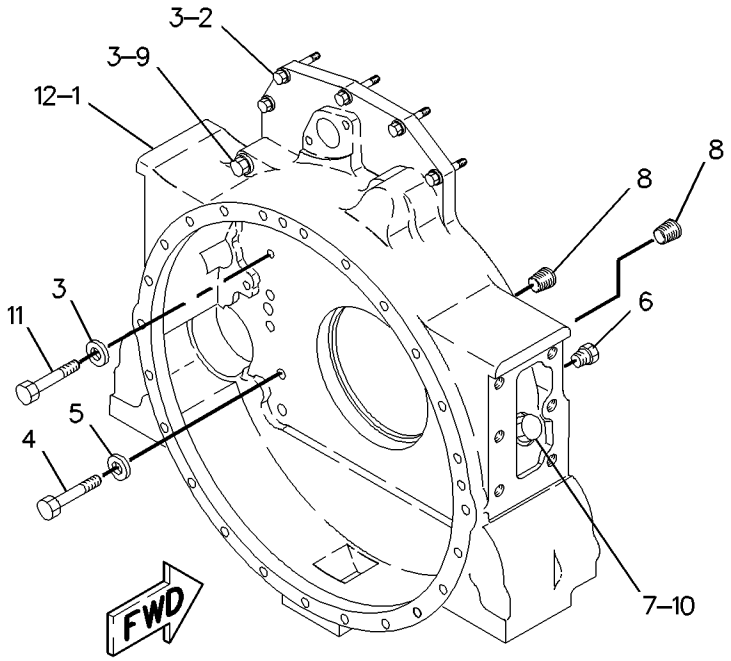
106-7410 HOUSING GP-FLYWHEEL

S/N: 1DZ3603-UP

SMCS-1157 **i01843872**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**108-4756**	1	HOUSING-FLYWHEEL	
	2	1	**165-3929**	8	BOLT-HEX HEAD	
	3	1	**5M-2894**	15	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	**5J-5793**	9	BOLT-12 POINT HEAD (1/2-13X1.75 IN)	
	5	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3MM THK)	
	6	1	**8T-6765**	2	PLUG-PIPE	
	7	1	**5F-0304**	2	PLUG-DRAIN (FLYWHEEL HOUSING)	
	8	1	**7X-7731**	2	PLUG-PIPE	
	9	1	**165-3935**	2	BOLT	
	10	1	**2A-1162**	2	GASKET	
	11	1	**165-3931**	5	BOLT-HEX HEAD	
B	12	1	**1U-8846**		SEALANT-GASKET	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00838059

BASIC ENGINE

1W-1468 HOUSING GP-FRONT

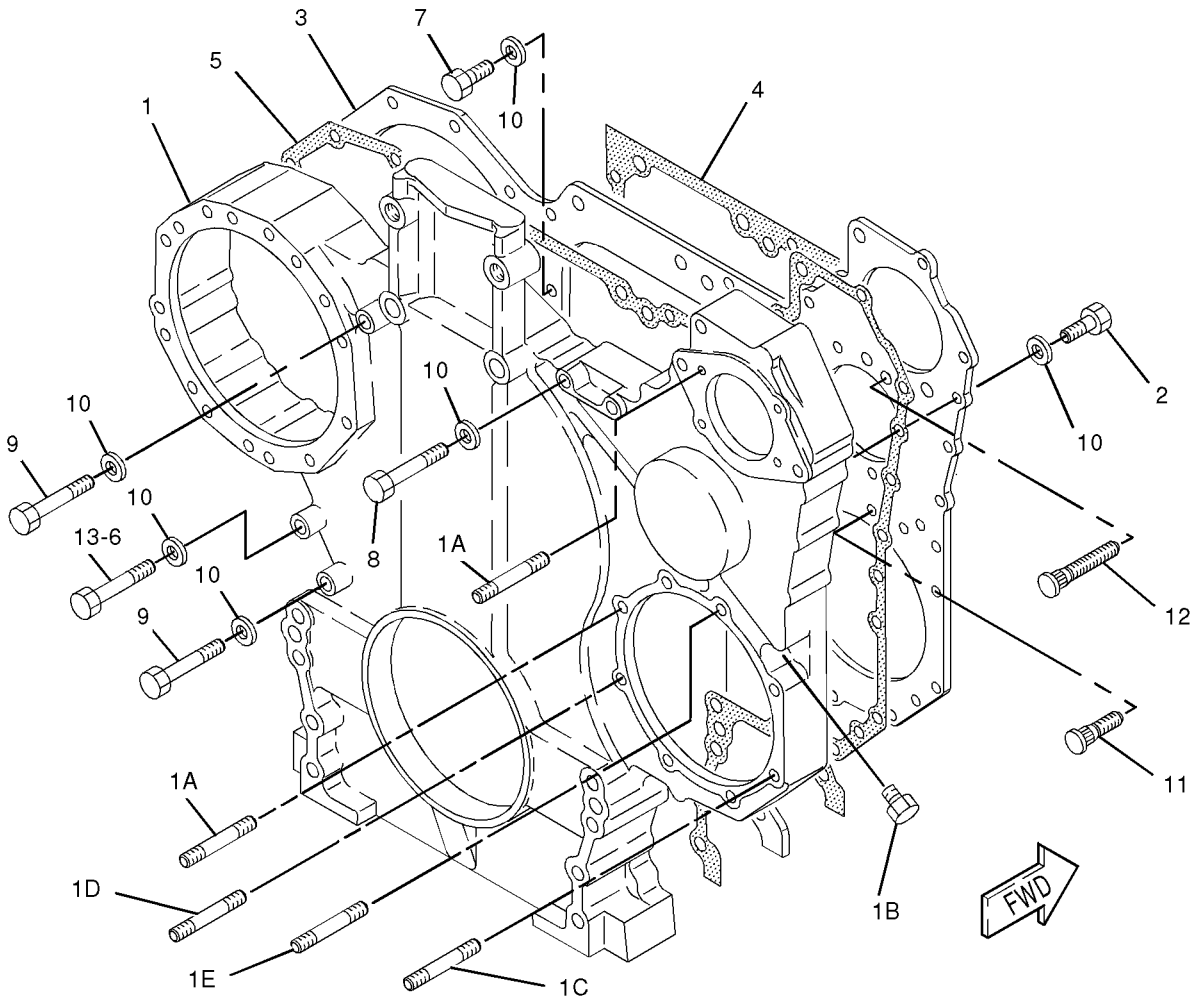
S/N: 1DZ3603-UP

SMCS-1151, 1162 **i01954769**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-1469**	1	HOUSING AS-GEAR	
C	1A	1	**3K-3256**	4	STUD (3/8X16X1.67IN OAL)	
	1B	1	**8T-6764**	1	PLUG-PIPE	
BC	1C	1	**2M-4779**	3	STUD-TAPERLOCK	
B	1D	1	**2M-4779**	2	STUD-TAPERLOCK	
B	1E	1	**3K-3256**	1	STUD (3/8X16X1.67IN OAL)	
					—OR—	
B		1	**6H-0406**	1	STUD (3/8X16X1.97IN OAL)	
	2	1	**1A-2029**	4	BOLT (3/8-16X1.125 IN)	
	3	1	**1W-1471**	1	PLATE	
	4	1	**166-9142**	1	GASKET	
	5	1	**166-9146**	1	GASKET	
	6	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
	7	1	**5P-4255**	8	BOLT-LOCKING (3/8-16 X 1 IN)	
	8	1	**0L-1352**	2	BOLT (3/8-16X3.25 IN)	
	9	1	**0T-0055**	2	BOLT (3/8-16X4.25 IN)	
	10	1	**5M-2894**	18	WASHER-HARD (10.2X18.5X2.5MM THK)	
	11	1	**1N-3181**	2	STUD	
		1	**6B-2250**	2	GASKET	
	12	1	**6N-0389**	1	STUD (1/2X13X2.63 IN)	
		1	**4H-6145**	1	GASKET (15.24MM ID)	
	13	1	**8S-9191**	1	BOLT (3/8-16X4 IN)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE

1W-1468 **HOUSING GP-FRONT** *(contd.)* **i01954769**



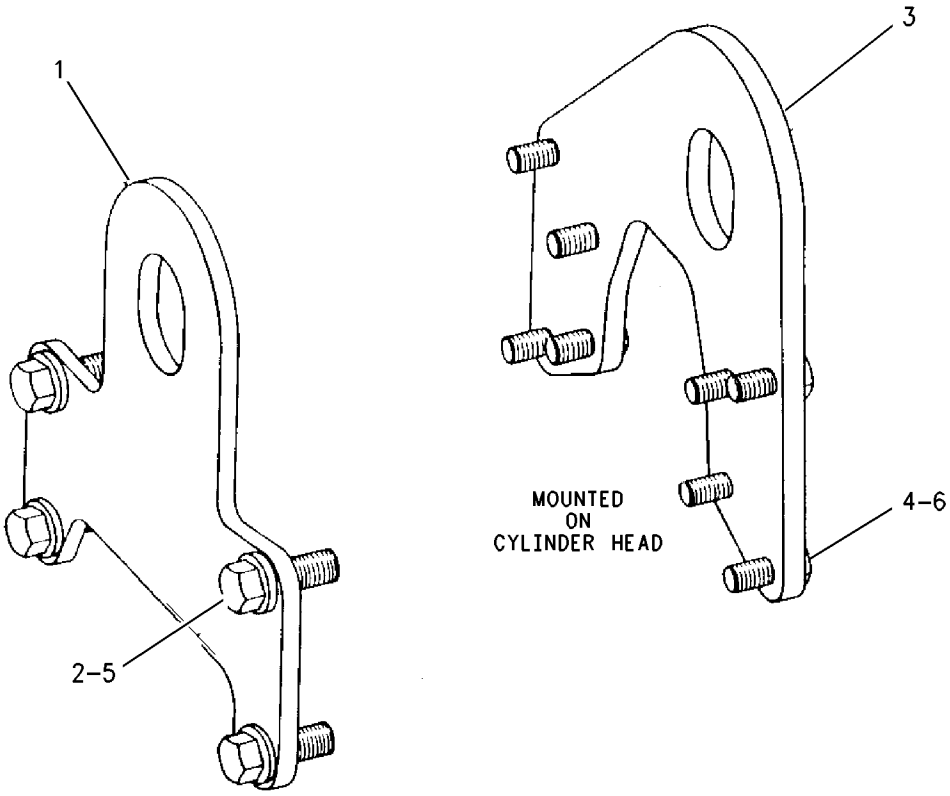
GRAPHIC #1 **<END>** g01016344

4N-1331 LIFTING GP-ENGINE

S/N: 1DZ3603-UP

SMCS-1122 **i01721547**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-4308**	1	EYE-LIFTING (FRONT)	
	2	1	**0S-1595**	4	BOLT (1/2-13X1.25 IN)	
	3	1	**4N-5186**	1	EYE-LIFTING (REAR)	
	4	1	**0S-1594**	8	BOLT (3/8-16X1 IN)	
	5	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3MM THK)	
	6	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5MM THK)	



GRAPHIC #1 **<END>** g00884985

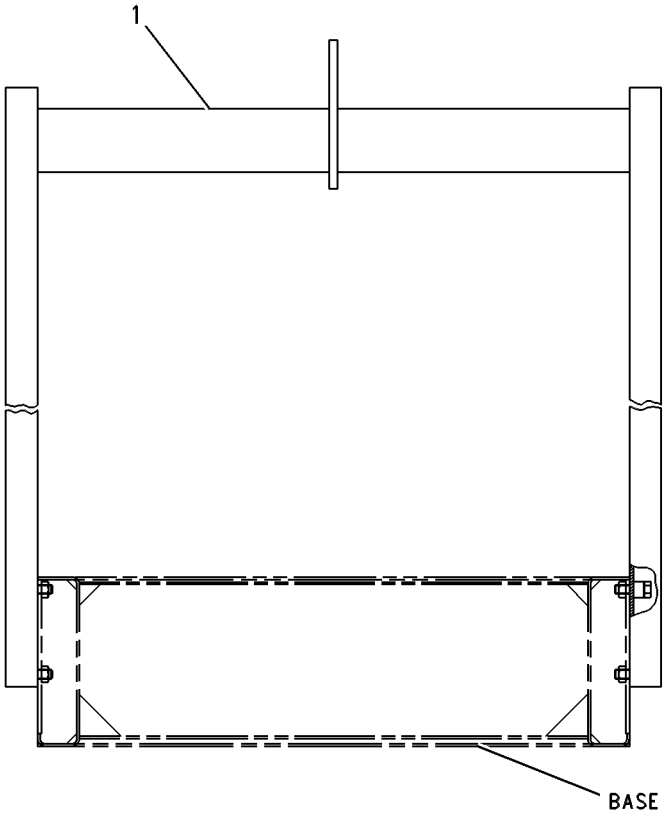
BASIC ENGINE

129-7544 LIFTING GP-ENGINE

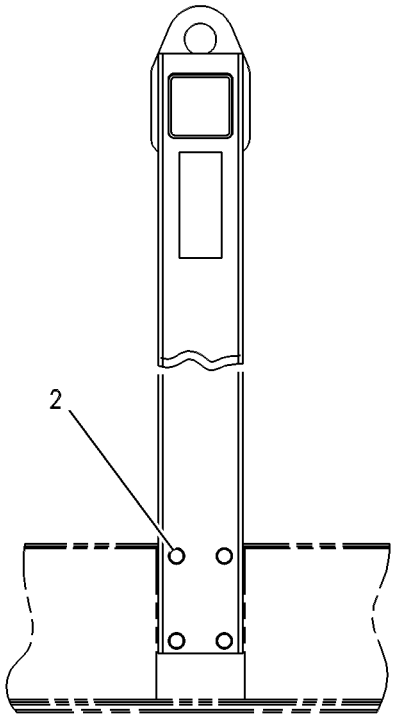
S/N: KPS1-UP
FOR USE WITH ENCLOSURE BASE ONLY
AN ATTACHMENT

SMCS-1122 **i01428694**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**129-7543**	1	LIFTING AS	
		1	**3P-8283**	8	SPACER	
	2	1	**7X-0383**	8	BOLT (7/8-9X2.75IN)	



FRONT VIEW



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00256649

4W-5580 MOUNTING GP-ALTERNATOR

S/N: KPS1-UP

FOR USE WITH 6T-1395—PAGE 298

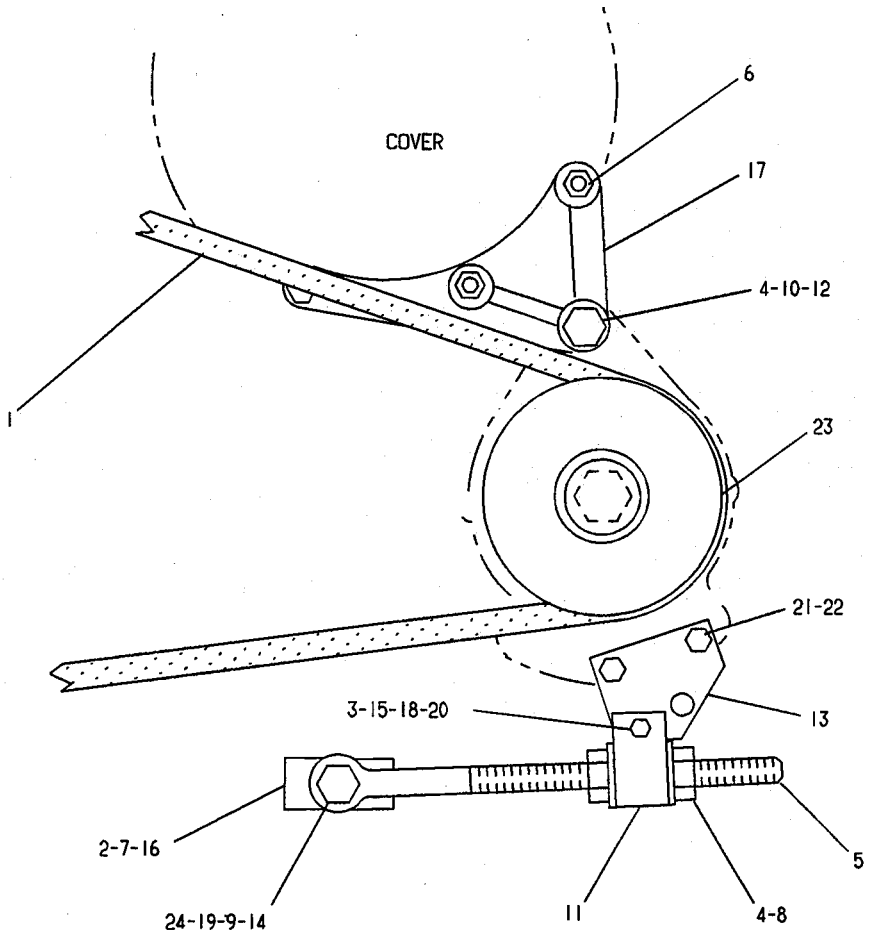
AN ATTACHMENT

SMCS-1154, 1405 **i01645754**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-8216**	1	V-BELT (ALTERNATOR)	
	2	1	**8M-7145**	2	WASHER (10.2X28.5X5MM THK)	
	3	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
	4	1	**2M-0849**	1	WASHER-HARD (13.5X25.5X5MM THK)	
	5	1	**4N-4942**	1	ROD-ADJUSTMENT	
	6	1	**6V-1426**	3	STUD-TAPERLOCK	
	7	1	**7W-5520**	1	BLOCK	
	8	1	**1B-4430**	2	NUT-JAM (1/2-20 THD)	
B	9	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3MM THK)	
	10	1	**1F-7958**	1	NUT-FULL (1/2-13 THD)	
	11	1	**9S-3784**	1	BLOCK	
	12	1	**2B-2006**	1	BOLT (1/2-13X4.75IN)	
	13	1	**1N-3886**	1	PLATE-MOUNTING	
B	14	1	**0S-1585**	1	BOLT (1/2-13X1.50 IN)	
	15	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	16	1	**0S-1594**	2	BOLT (3/8-16X1 IN)	
	17	1	**1W-6159**	1	BRACKET	
	18	1	**2B-0941**	1	SPACER (10.5X19X19MM THK)	
B	19	1	**2B-0947**	1	BOLT (1/2-13X2.25 IN)	
	20	1	**0T-0573**	1	BOLT (3/8-16X2.75 IN)	
	21	1	**9M-1974**	2	WASHER-HARD (8.8X16X2MM THK)	
	22	1	**0S-1618**	2	BOLT (5/16-18X1 IN)	
	23	1	**4N-4946**	1	PULLEY	
B	24	1	**1F-7958**	1	NUT-FULL (1/2-13 THD)	

B-USE AS REQUIRED

4W-5580 **MOUNTING GP-ALTERNATOR** *(contd.)* **i01645754**



GRAPHIC #1 **<END>** g00163830

7W-1340 MOUNTING GP-ALTERNATOR

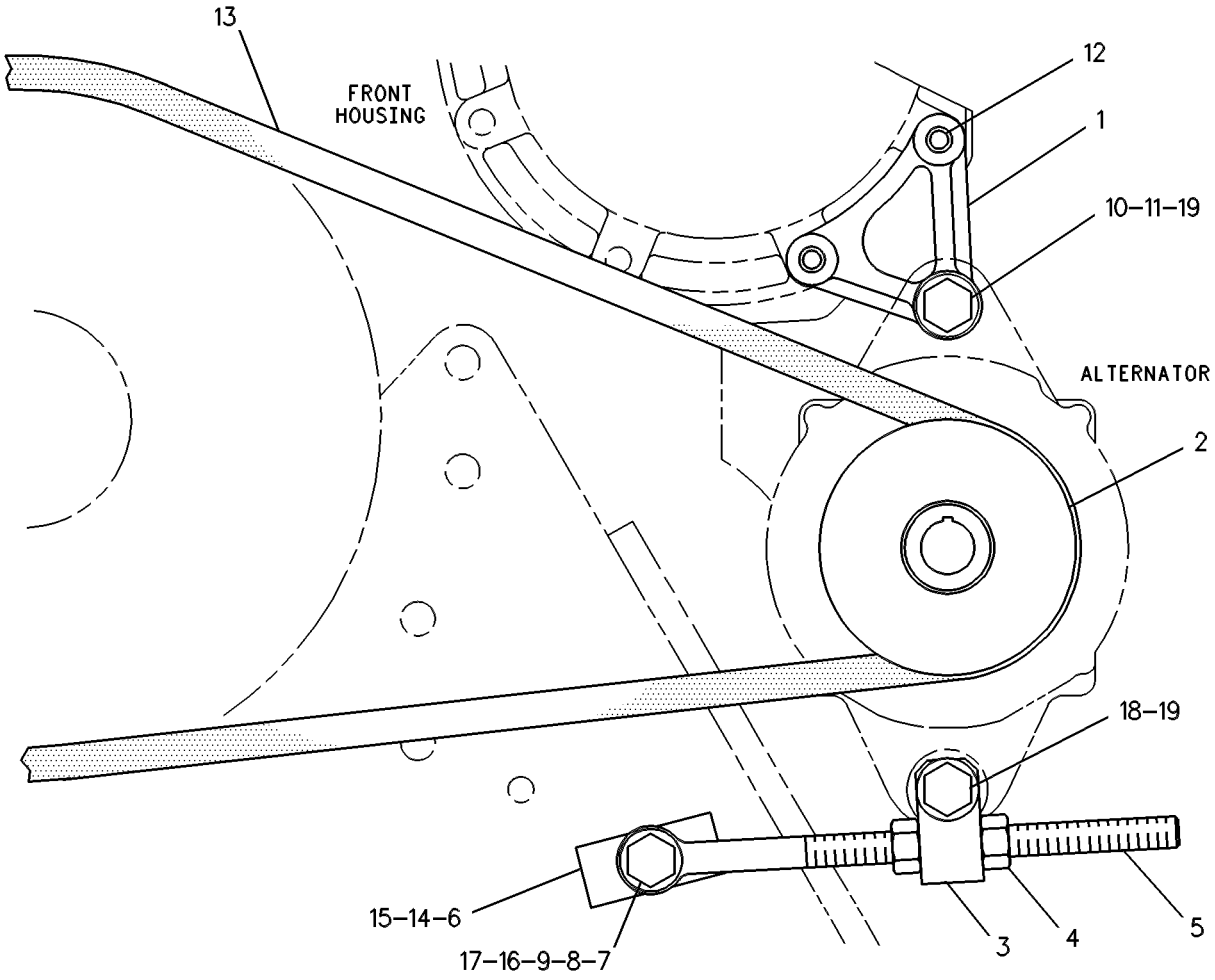
S/N: KPS1-UP
CANNOT BE USED WITH 75 AMPERE ALTERNATOR
AN ATTACHMENT

SMCS-1154, 1405 **i01645762**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-9202**	1	BRACKET	
	2	1	**4N-8225**	1	PULLEY-ALTERNATOR	
	3	1	**8S-5383**	1	BLOCK	
	4	1	**6B-6684**	2	NUT-FULL (1/2-20 THD)	
	5	1	**4N-4942**	1	ROD-ADJUSTMENT	
C	6	1	**7W-5520**	1	BLOCK	
B	7	1	**0S-1585**	1	BOLT (1/2-13X1.50 IN)	
	8	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3MM THK)	
B	9	1	**9S-1366**	1	BOLT (1/2-13X2.5 IN)	
	10	1	**9H-8260**	1	BOLT (1/2-13X6.25 IN)	
	11	1	**1F-7958**	1	NUT-FULL (1/2-13 THD)	
C	12	1	**6L-4428**	2	STUD-TAPERLOCK (3/8-16 X 4 IN OAL)	
	13	1	**4N-8216**	1	V-BELT (ALTERNATOR)	
	14	1	**0S-1594**	2	BOLT (3/8-16X1 IN)	
	15	1	**8M-7145**	2	WASHER (10.2X28.5X5MM THK)	
B	16	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3MM THK)	
B	17	1	**1F-7958**	1	NUT-FULL (1/2-13 THD)	
	18	1	**1A-1460**	1	BOLT (1/2-13X2 IN)	
B	19	1	**3H-7654**	2	WASHER-HARD (13.5X22.5X3MM THK)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE

7W-1340 **MOUNTING GP-ALTERNATOR** *(contd.)* **i01645762**



GRAPHIC #1 **<END>** g00257965

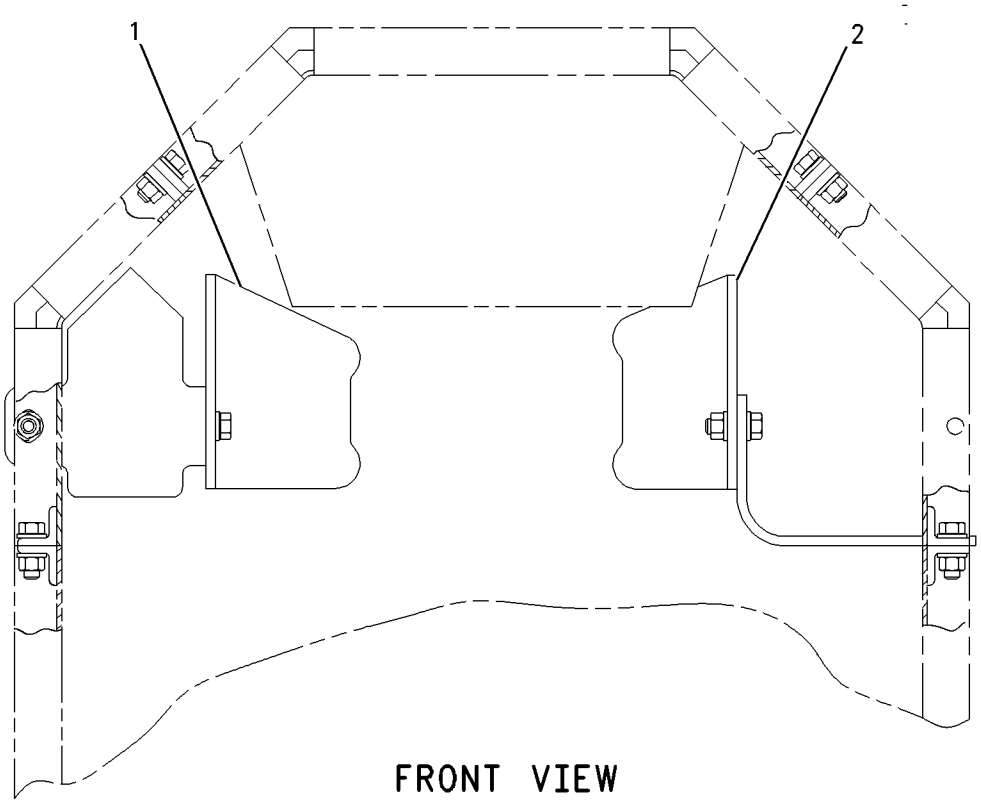
BASIC ENGINE

219-6108 MOUNTING GP-BRACKET

S/N: KPS1-UP
AN ATTACHMENT

SMCS-7174 **i01694902**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-9688**	1	BRACKET - RH	
	2	1	**2W-9689**	1	BRACKET - LH	



FRONT VIEW

GRAPHIC #1 **<END>** g00875128

BASIC ENGINE

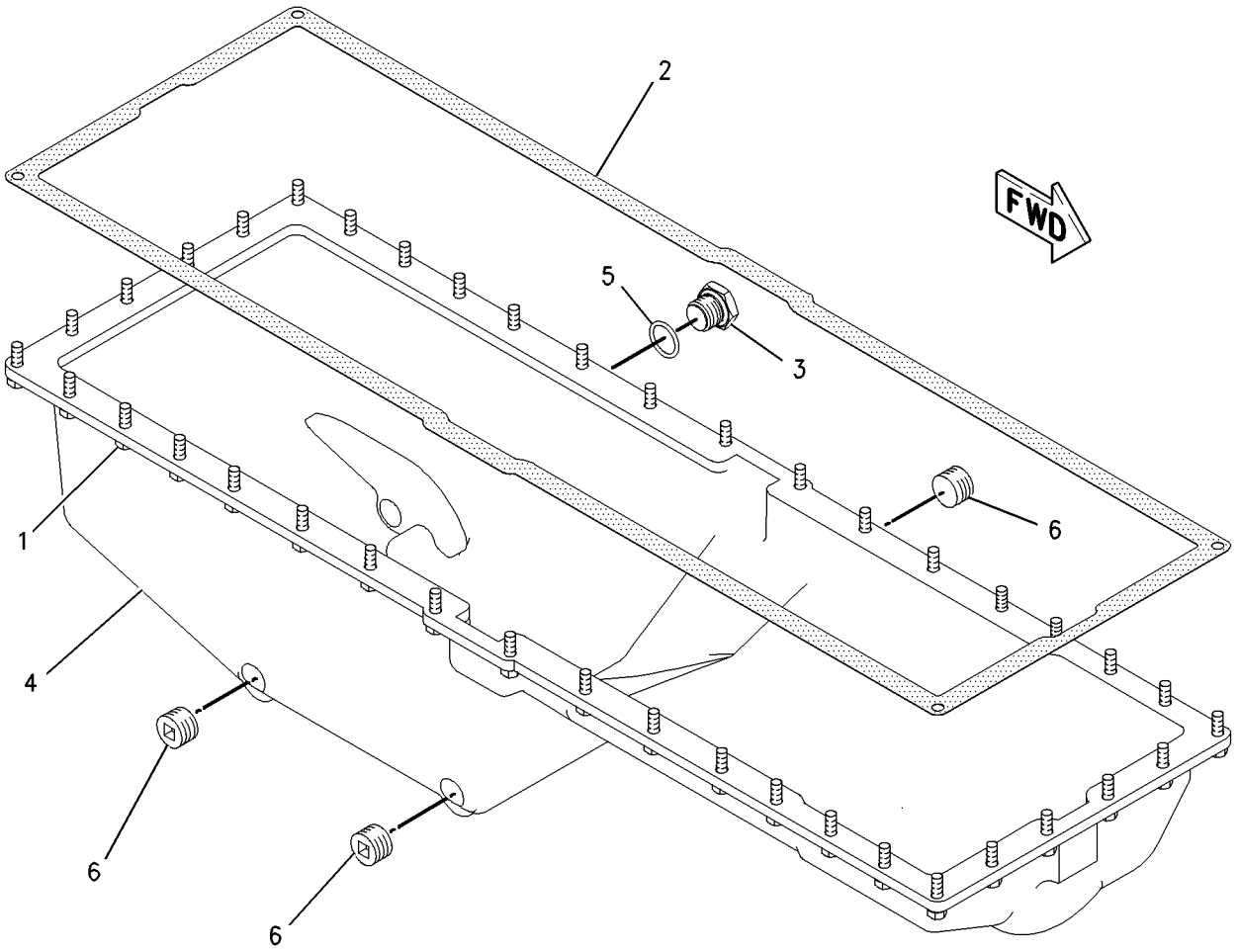
4N-0756 PAN GP-OIL

S/N: 1DZ3603-UP

SMCS-1302 **i01883697**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-3203**	40	BOLT-WASHER HEAD (3/8-16X1.25 IN)	
	2	1	**4N-1151**	1	GASKET (OIL PAN)	
C	3	1	**206-7331**	1	PLUG-DRAIN (OIL PAN)	
	4	1	**150-4637**	1	PAN-OIL	
C	5	1	**5P-8210**	1	SEAL-O-RING	
	6	1	**8T-6761**	3	PLUG-PIPE	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00760209

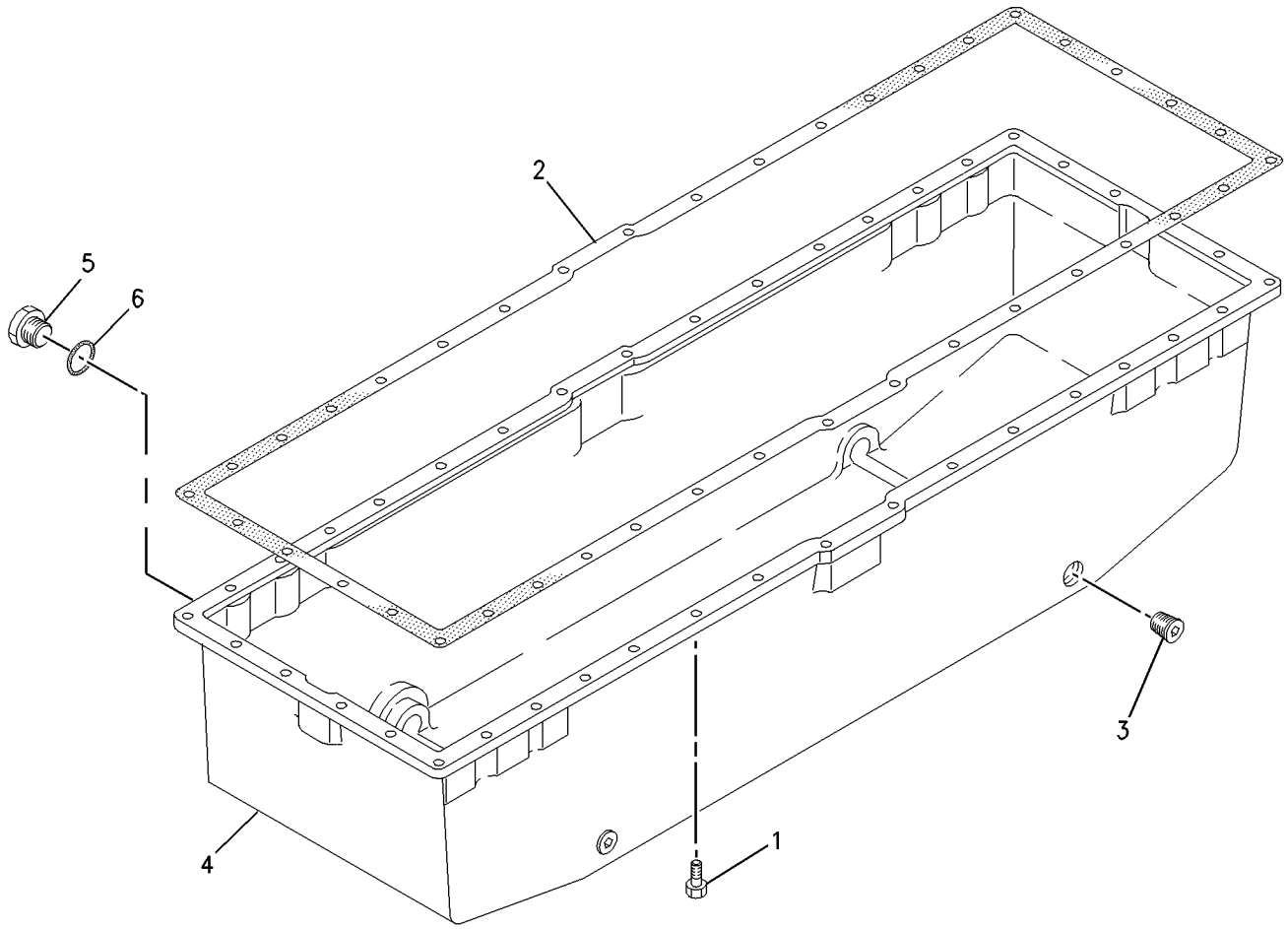
BASIC ENGINE

4W-1873 PAN GP-OIL

S/N: KPS1-UP
HIGH CAPACITY
PART OF 4W-1880 PAN GP-OIL
FOR USE WITH 4W-1895—PAGE 85
AN ATTACHMENT

SMCS-1302 **i01932760**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-3203**	40	BOLT-WASHER HEAD (3/8-16X1.25 IN)	
	2	1	**4N-3661**	1	GASKET-OIL PAN	
	3	1	**8T-6761**	3	PLUG-PIPE	
	4	1	**1W-9113**	1	PAN-OIL	
	5	1	**9X-6451**	1	PLUG-DRAIN (OIL PAN)	
	6	1	**061-9458**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00942375

BASIC ENGINE

4W-1880 PAN GP-OIL

S/N: KPS1-UP
HIGH CAPACITY
AN ATTACHMENT

SMCS-1302 **i00958717**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*4W-1895*	1	GAUGE GP-OIL LEVEL (DIPSTICK)	85
Y	*4W-1873*	1	PAN GP-OIL	67

Y-SEPARATE ILLUSTRATION

<END>

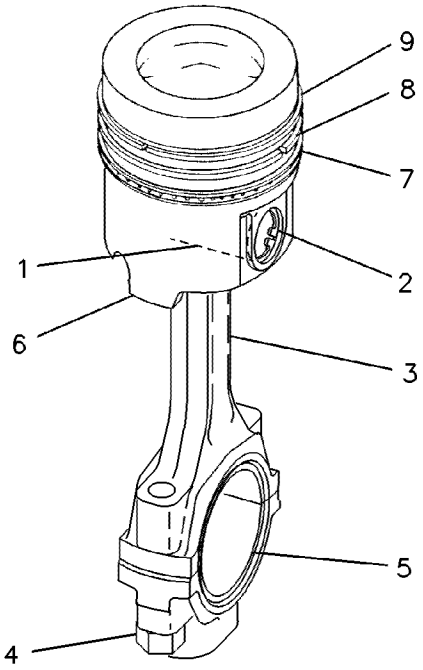
7E-0491 PISTON & ROD GP

S/N: 1DZ5202-UP
14.5:1 RATIO

SMCS-1225 **i01902252**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1608**	1	PIN-PISTON	
	2	1	**7E-5665**	2	RETAINER-PIN	
R	3	1	**7E-5996**	1	ROD AS-CONNECTING	
		1	**4P-8495**	1	BEARING-SLEEVE	
		1	**7N-2043**	2	DOWEL	
M	4	1	**7E-4195**	2	BOLT-CONNECTING ROD	
	5	1	**9Y-7735**	1	BEARING-CONNECTING ROD (STANDARD)	
A		1	**7E-0558**	1	BEARING-CONNECTING ROD (.635 MM US)	
A		1	**7E-0559**	1	BEARING-CONNECTING ROD (1.27 MM US)	
	6	1	**160-1131**	1	BODY AS-PISTON	
	7	1	**7N-7078**	1	RING-PISTON (OIL CONTROL)	
	8	1	**2P-2817**	1	RING-PISTON (INTERMEDIATE)	
	9	1	**1W-9460**	1	RING-PISTON (TOP)	

A-NOT PART OF THIS GROUP
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00108411

7N-3516 PISTON & ROD GP

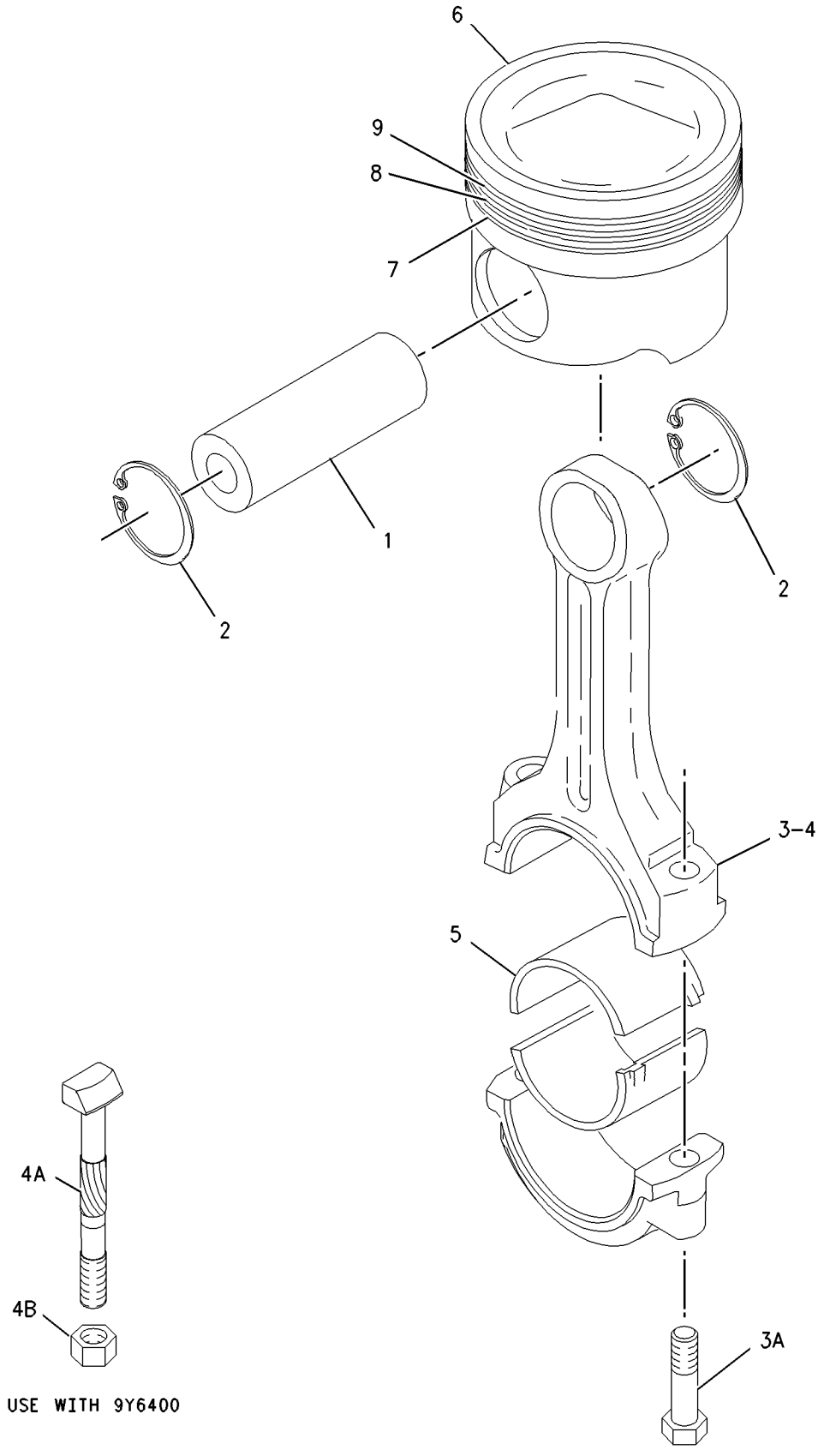
S/N: 1DZ3603-UP

14.5 : 1 RATIO

SMCS-1225 **i01902254**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1608**	1	PIN-PISTON	
	2	1	**7E-5665**	2	RETAINER-PIN	
CR	3	1	**7E-5996**	1	ROD AS-CONNECTING	
M	3A	1	**7E-4195**	2	BOLT-CONNECTING ROD	
		1	**4P-8495**	1	BEARING-SLEEVE	
		1	**7N-2043**	2	DOWEL	
					-OR-	
R	4	1	*9Y-6400*	1	ROD AS-CONNECTING	
	4A	1	**9Y-6053**	2	BOLT-CONNECTING ROD	
M	4B	1	**9Y-6051**	2	NUT	
		1	**4P-8495**	1	BEARING-SLEEVE	
C	5	1	**9Y-7735**	1	BEARING-CONNECTING ROD (STANDARD)	
A		1	**7E-0558**	1	BEARING-CONNECTING ROD (.635 MM US)	
A		1	**7E-0559**	1	BEARING-CONNECTING ROD (1.27 MM US)	
C	6	1	**9Y-4004**	1	BODY AS-PISTON	
C	7	1	**7N-7078**	1	RING-PISTON (OIL CONTROL)	
C	8	1	**2P-2817**	1	RING-PISTON (INTERMEDIATE)	
C	9	1	**1W-9460**	1	RING-PISTON (TOP)	

A-NOT PART OF THIS GROUP
C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00947234

BASIC ENGINE

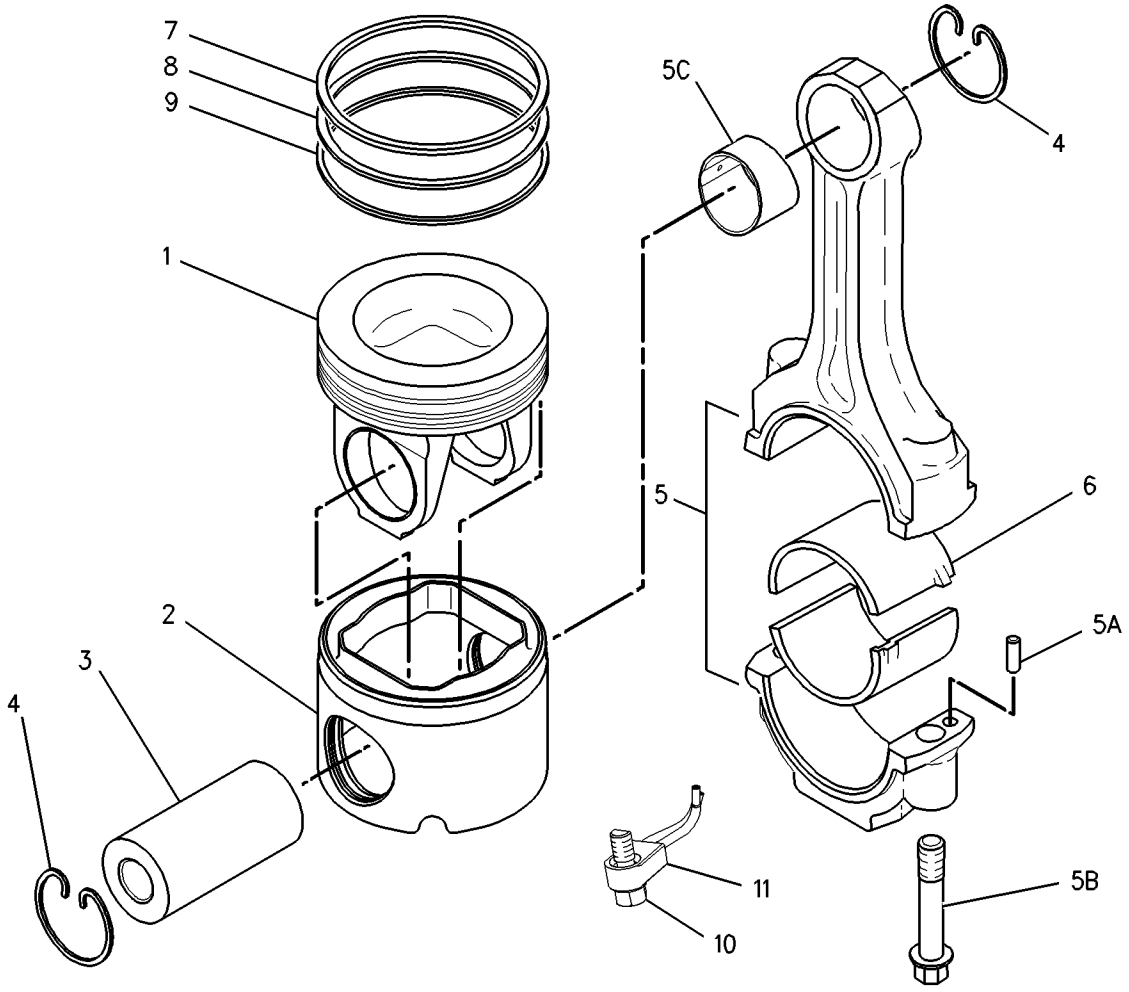
130-4614 PISTON & ROD GP

S/N: 1DZ3603-UP
14.6 RATIO

SMCS-1225 **i01806236**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**125-8869**	1	CROWN AS-PISTON	
	2	1	**130-0241**	1	SKIRT-PISTON	
	3	1	**168-7246**	1	PIN-PISTON	
	4	1	**7E-1177**	2	RETAINER-PIN	
R	5	1	**9Y-6054**	1	ROD AS-CONNECTING	
	5A	1	**7N-2043**	2	DOWEL	
M	5B	1	**7E-4195**	2	BOLT-CONNECTING ROD	
	5C	1	**4P-7377**	1	BEARING-SLEEVE	
	6	1	**9Y-7735**	1	BEARING-CONNECTING ROD (STANDARD)	
A		1	**7E-0558**	1	BEARING-CONNECTING ROD (.635 MM US)	
A		1	**7E-0559**	1	BEARING-CONNECTING ROD (1.27 MM US)	
	7	1	**1W-9460**	1	RING-PISTON (TOP)	
	8	1	**2P-2817**	1	RING-PISTON (INTERMEDIATE)	
	9	1	**7N-7078**	1	RING-PISTON (OIL CONTROL)	
	10	1	**151-5925**	1	BOLT-OIL JET	
	11	1	**197-9336**	1	TUBE AS-OIL JET	

A-NOT PART OF THIS GROUP
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00726209

BASIC ENGINE

4N-1045 ROCKER ARM GP

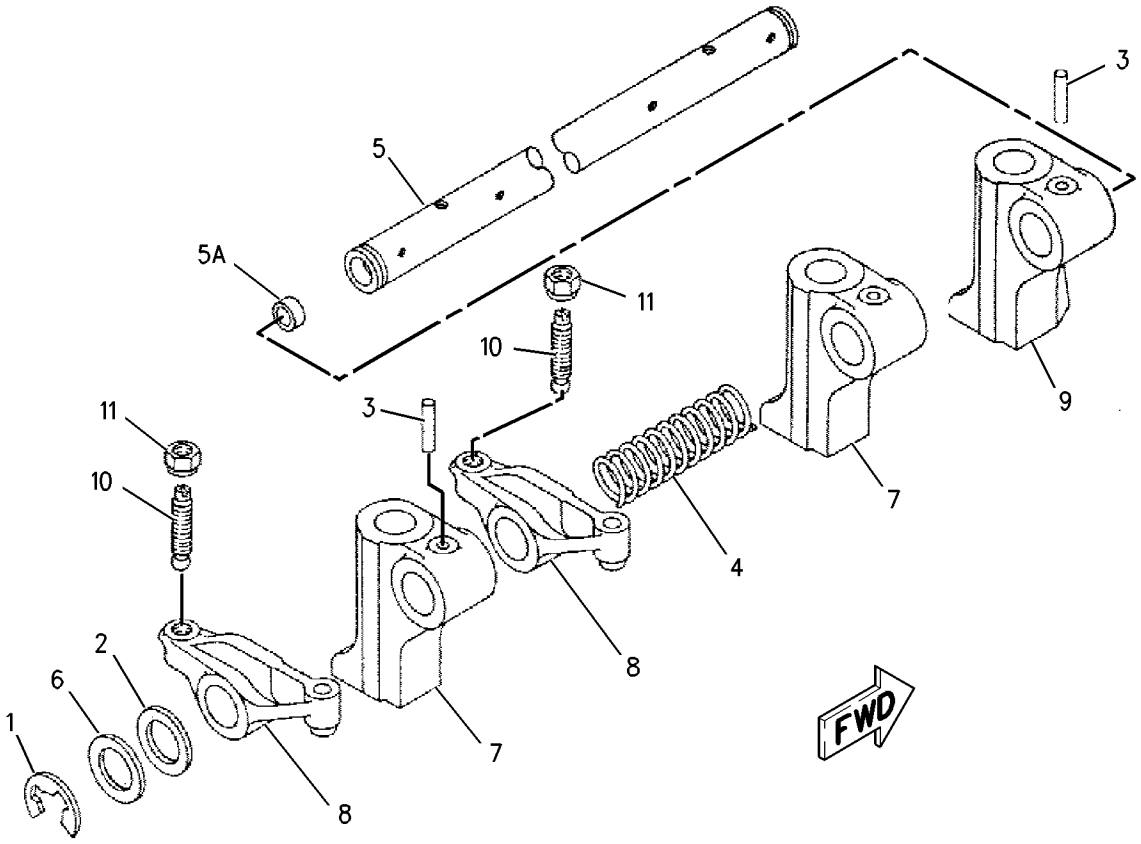
S/N: 1DZ3603-UP

PART OF 4W-2461 VALVE MECHANISM GP

SMCS-1123 **i01616836**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**006-7403**	2	RING-RETAINING	
	2	1	**2N-7228**	2	WASHER (1X1.5X0.03 IN THK)	
	3	1	**4N-0955**	2	DOWEL	
	4	1	**2N-7229**	2	SPRING	
	5	1	**4N-0839**	1	SHAFT AS-ROCKER ARM	
	5A	1	**0L-1022**	2	PLUG-CUP	
B	6	1	**2N-7228**	2	WASHER (1X1.5X0.03 IN THK)	
	7	1	**9Y-4384**	2	BRACKET-SHAFT	
	8	1	**4N-5614**	6	ROCKER ARM AS	
	9	1	**9Y-4383**	1	BRACKET-SHAFT	
	10	1	**108-5603**	6	SCREW-ROCKER ADJUSTMENT	
	11	1	**9L-7712**	6	NUT (3/8-24 THD)	

B-USE AS REQUIRED



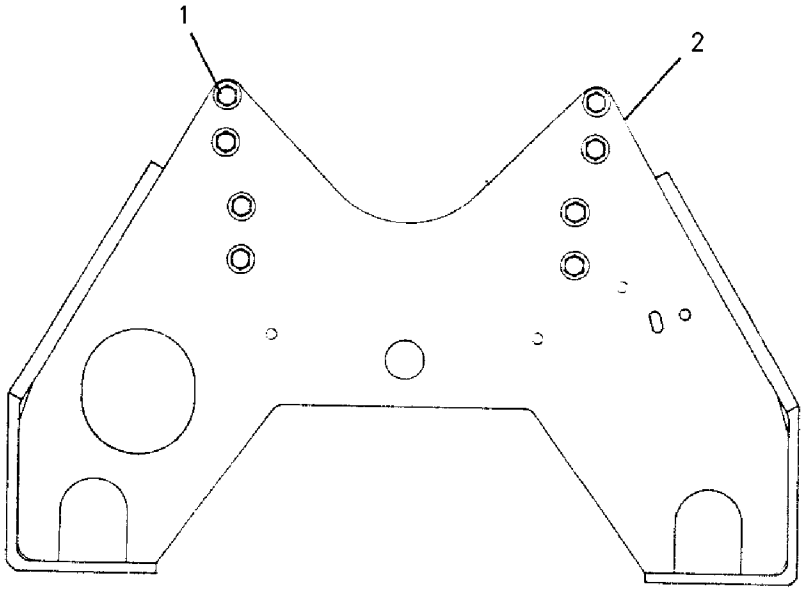
GRAPHIC #1 **<END>** g00839833

9Y-1856 SUPPORT GP-ENGINE

S/N: 1DZ3603-UP
FRONT

SMCS-1154 **i01933157**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75 IN)	
		1	**5P-8245**	8	WASHER-HARD (13.5X25.5X3MM THK)	
	2	1	**9Y-1857**	1	SUPPORT AS (ENGINE)	



FRONT VIEW

GRAPHIC #1 **<END>** g00942468

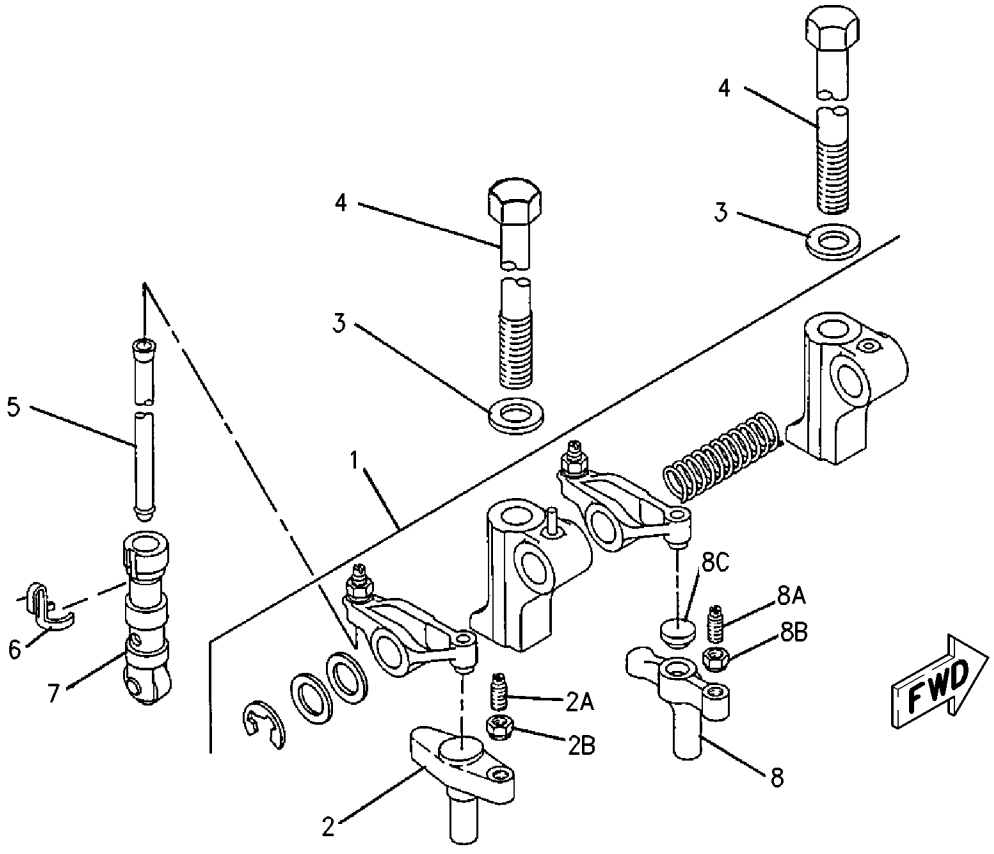
4W-2461 VALVE MECHANISM GP

S/N: 1DZ3603-UP

SMCS-1102, 1121, 1123 **i01616837**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*4N-1045*	2	ROCKER ARM GP	73
	2	1	**101-1818**	6	BRIDGE AS-EXHAUST	
					(EACH INCLUDES)	
	2A	1	**2N-5842**	1	SCREW (3/8-24X1 IN)	
	2B	1	**9L-7712**	6	NUT (3/8-24 THD)	
	3	1	**5H-1504**	6	WASHER-HARD (20X33.5X5MM THK)	
	4	1	**2P-9845**	6	BOLT (3/4-16X11.5 IN)	
	5	1	**4W-5998**	12	PUSHROD AS	
	6	1	**6N-6872**	12	SPRING-GUIDE	
	7	1	**101-7788**	12	LIFTER AS-VALVE	
	8	1	**101-1816**	6	BRIDGE AS-INLET	
					(EACH INCLUDES)	
	8A	1	**2N-5842**	1	SCREW (3/8-24X1 IN)	
	8B	1	**9L-7712**	1	NUT (3/8-24 THD)	
	8C	1	**4N-5607**	1	SEAT-WEAR	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00839820

154-4327 BASE GP-OIL FILTER

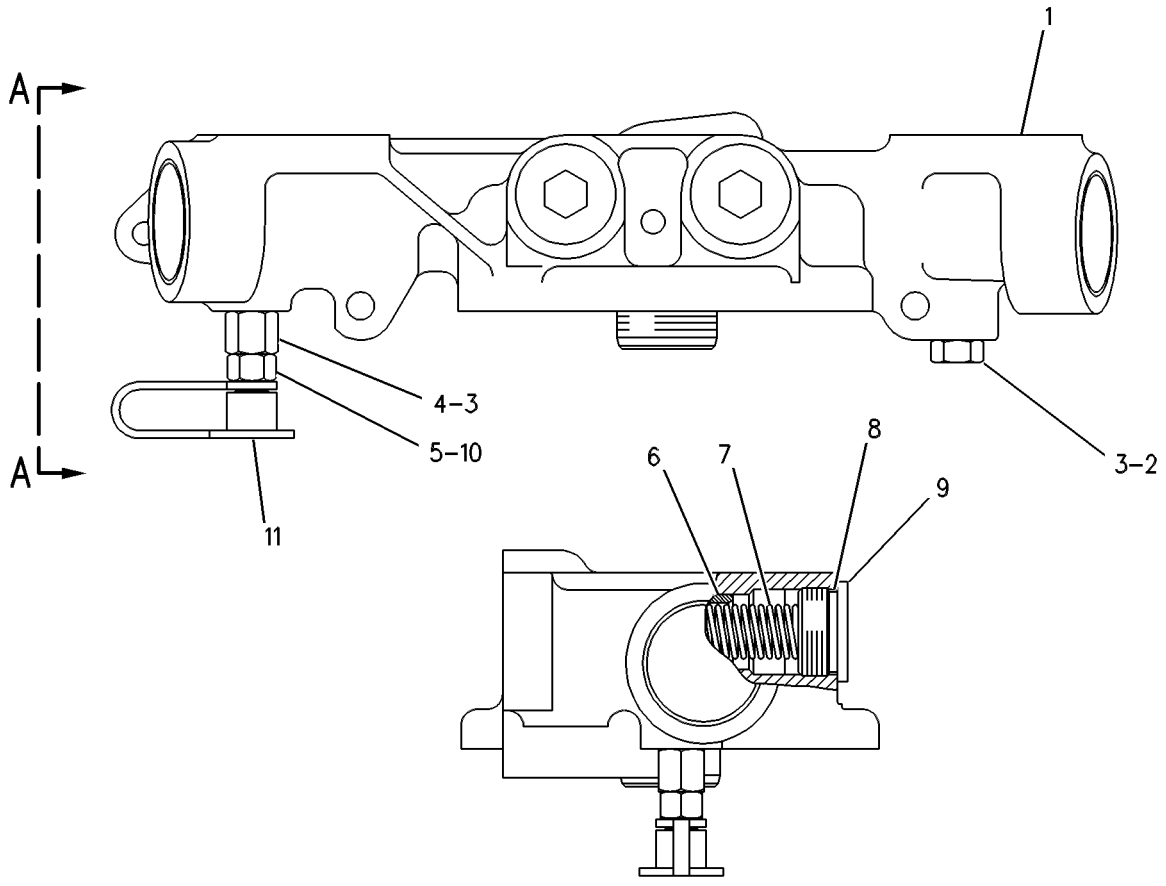
S/N: 1DZ3603-UP

PART OF 155-5005 FILTER GP-ENGINE OIL

SMCS-1306 **i01844008**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**176-1363**	1	BASE GP-OIL FILTER	77
	2	1	**9S-4191**	1	PLUG	
	3	1	**6V-5049**	2	SEAL-O-RING	
	4	1	**5P-9617**	1	ADAPTER	
	5	1	**8C-3446**	1	VALVE GP-FLUID SAMPLING (ENGINE OIL)	
	6	1	**1P-1367**	2	PLUNGER	
	7	1	**4N-8150**	2	SPRING	
	8	1	**5P-7701**	2	SEAL-O-RING	
	9	1	**9S-9334**	2	PLUG	
	10	1	**3J-7354**	1	SEAL-O-RING	
	11	1	**8C-3445**	1	CAP-DUST (ENGINE OIL FILTER)	

Y-SEPARATE ILLUSTRATION



VIEW A–A

GRAPHIC #1 **<END>** g00445963

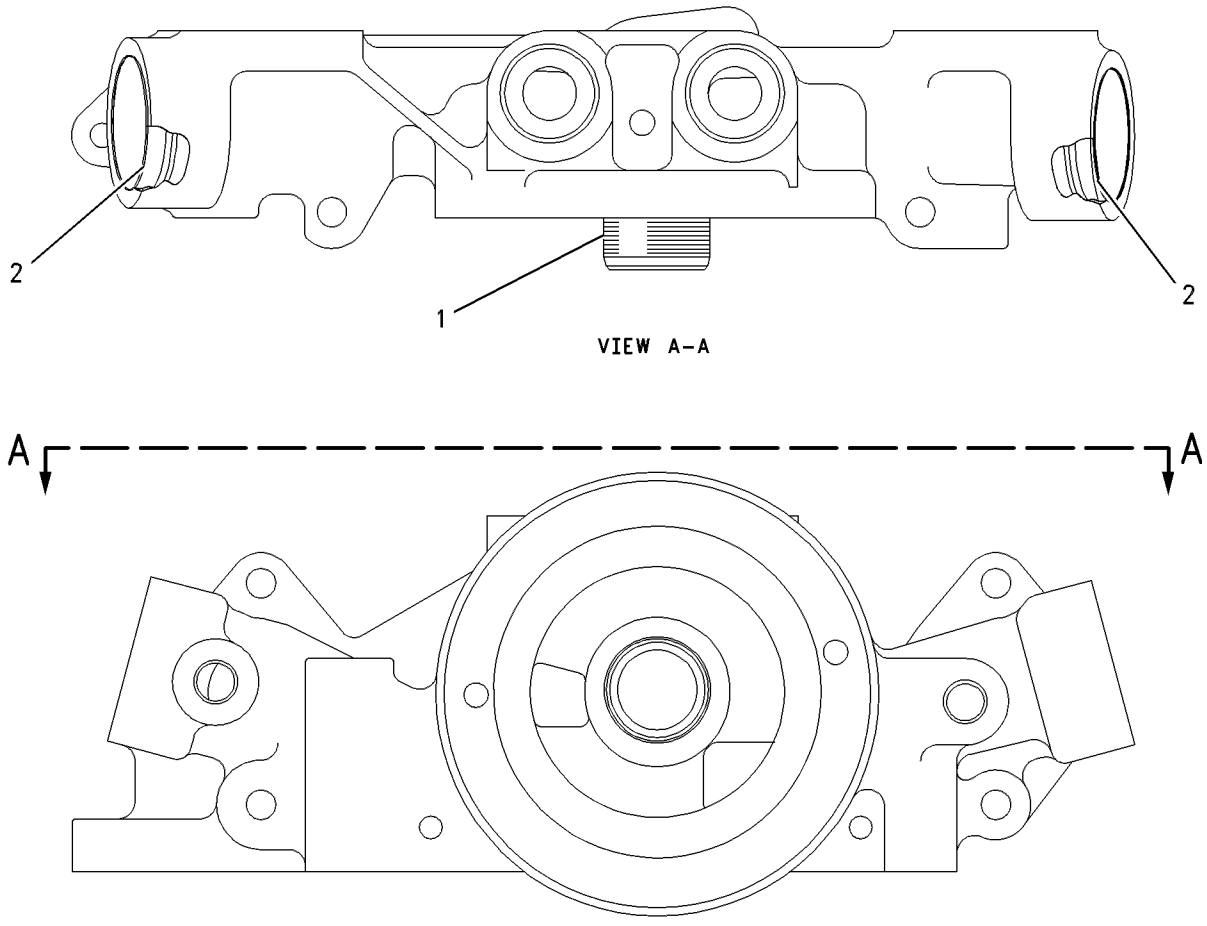
176-1363 BASE GP-OIL FILTER

S/N: 1DZ3603-UP

PART OF 154-4327 BASE GP-OIL FILTER

SMCS-1306 **i01227085**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-4304**	1	STUD-TAPERLOCK	
	2	1	**9L-7657**	2	PLUG-CUP	



GRAPHIC #1 **<END>** g00638223

LUBRICATION SYSTEM

2N-8220 BREATHER GP–CRANKCASE

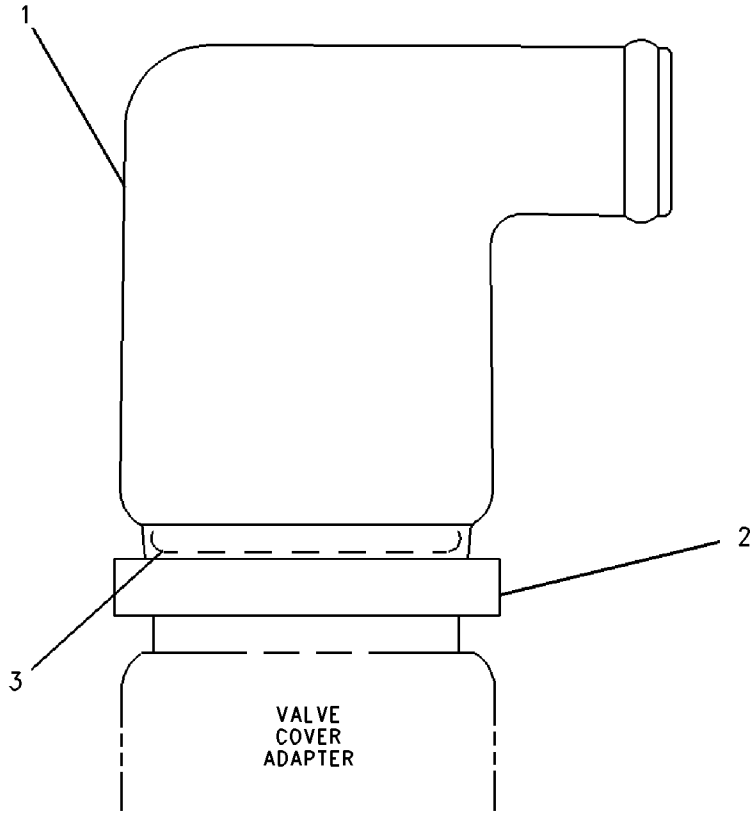
S/N: 1DZ3603-UP

FOR USE WITH FUMES DISPOSAL GROUPS

SMCS-1317 **i01837054**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**9Y-2988**	1	BREATHER AS (CRANKCASE)	
	2	1	**2N-8109**	1	CLAMP	
	3	1	**4F-7390**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE



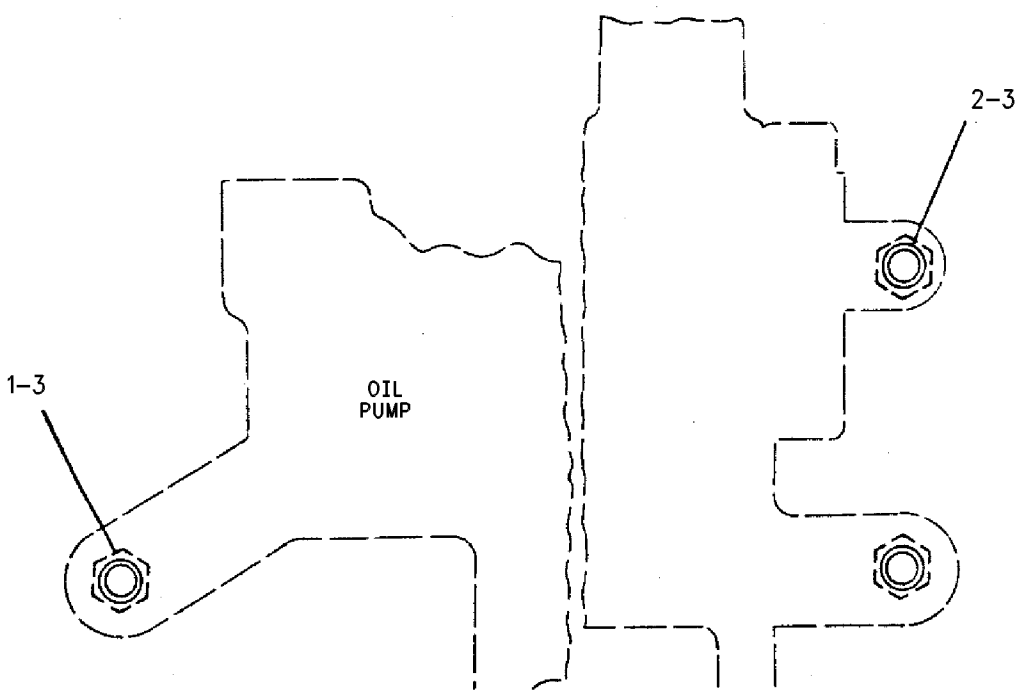
GRAPHIC #1 **<END>** g00741467

4N-2481 FASTENER GP-OIL PUMP MOUNTING

S/N: 1DZ3603-UP

SMCS-1304 **i01446823**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0L-1143**	2	BOLT (3/8-16X2.50 IN)	
	2	1	**0S-1590**	1	BOLT (3/8-16X2 IN)	
	3	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	



GRAPHIC #1 **<END>** g00604525

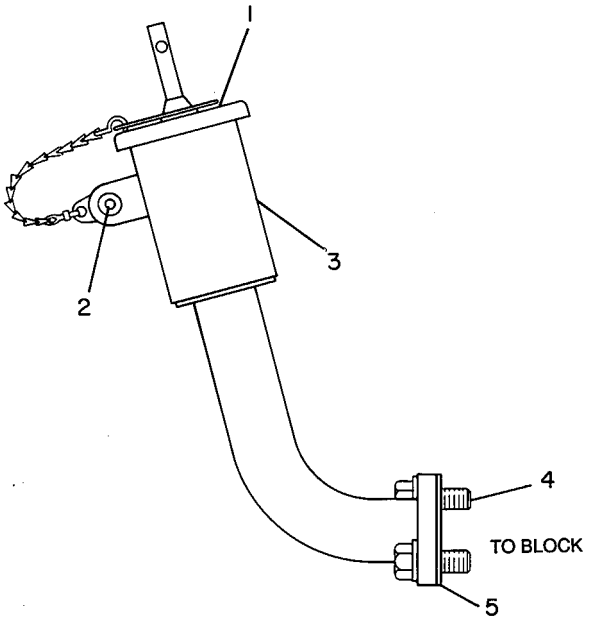
6N-1016 FILLER GP-ENGINE OIL

S/N: 1DZ3603-UP
RIGHT HAND

SMCS-1316 **i01748272**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**6N-2985**	1	CAP AS-FILLER (ENGINE OIL)	
	2	1	**9M-5732**	1	RIVET-POP	
	3	1	**6N-1015**	1	FILLER AS (ENGINE OIL)	
	4	1	**1A-2029**	2	BOLT (3/8-16X1.125 IN)	
		1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
C	5	1	**4N-0699**	1	GASKET	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00138983

LUBRICATION SYSTEM

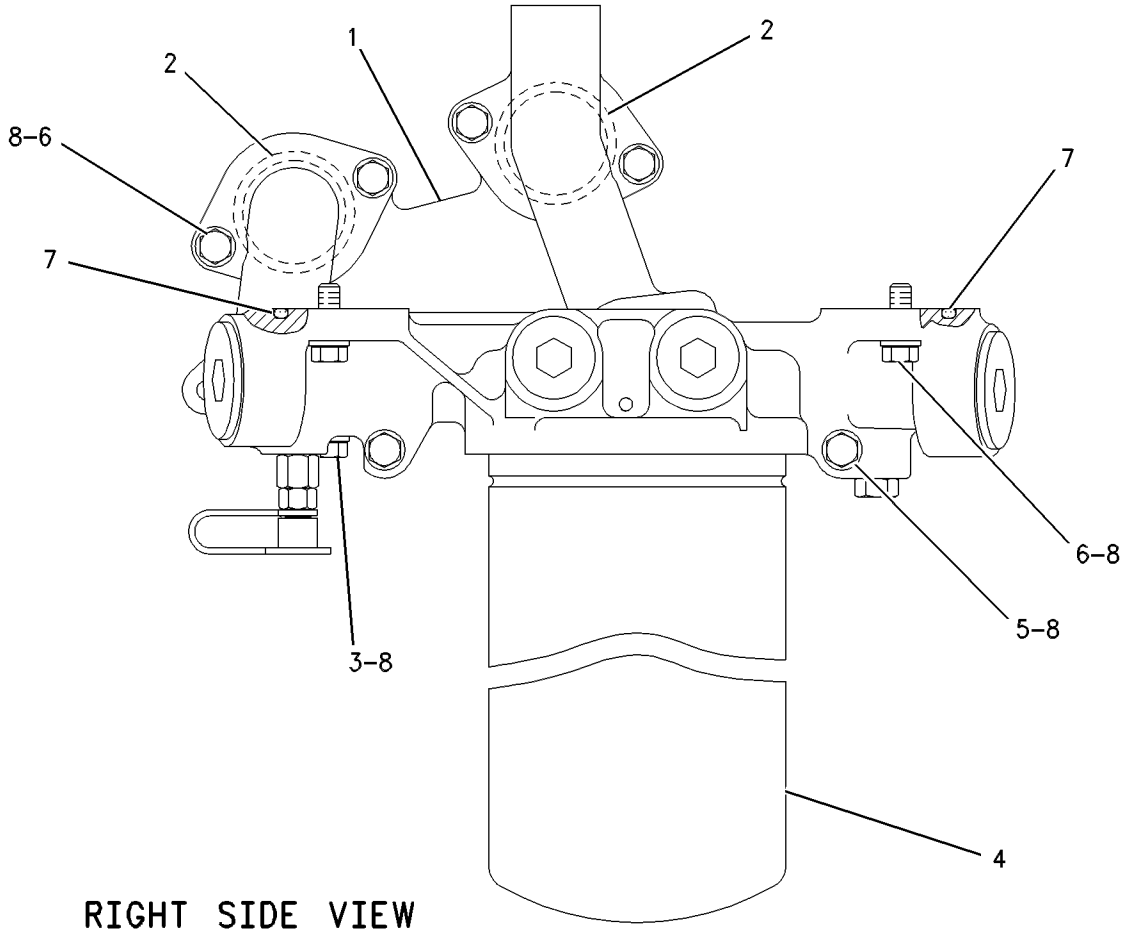
154-4326 FILTER GP-ENGINE OIL

S/N: 1DZ3603-UP

SMCS-1306, 1308 **i00998657**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*155-5005*	1	FILTER GP-ENGINE OIL	82
	2	1	**8C-5230**	2	SEAL-O-RING (43.82MM ID)	
	3	1	**0S-1619**	2	BOLT (3/8X3.0IN)	
	4	1	**1R-0716**	1	FILTER AS-ENGINE OIL	
	5	1	**0S-1608**	2	BOLT (3/8-16X3.75IN)	
	6	1	**1A-2029**	6	BOLT (3/8-16X1.125IN)	
	7	1	**3P-0650**	2	SEAL-O-RING (50.16MM ID)	
	8	1	**5M-2894**	10	WASHER (2.5MM THK)	

Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00512808

155-5005 FILTER GP-ENGINE OIL

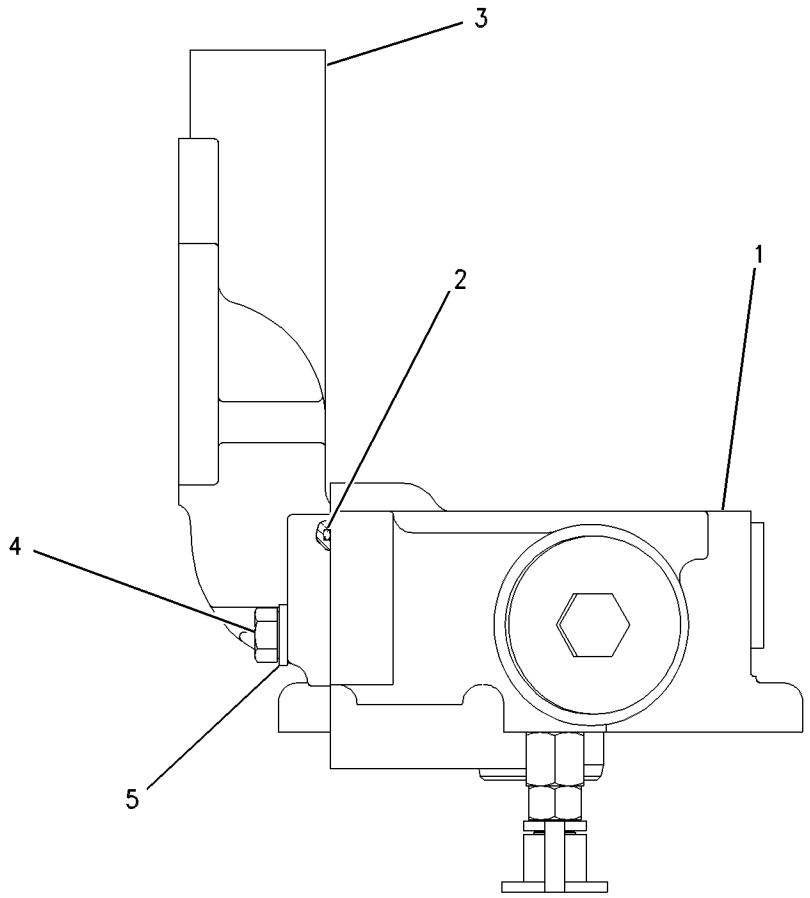
S/N: 1DZ3603-UP

PART OF 154-4326 FILTER GP-ENGINE OIL

SMCS-1306, 1308 **i01950218**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*154-4327*	1	BASE GP-OIL FILTER	76
	2	1	**061-7540**	2	SEAL-O-RING	
	3	1	**153-6680**	1	ELBOW	
	4	1	**0S-1588**	4	BOLT (3/8-16X1.25 IN)	
	5	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00507738

202-8626 FUMES DISPOSAL GP

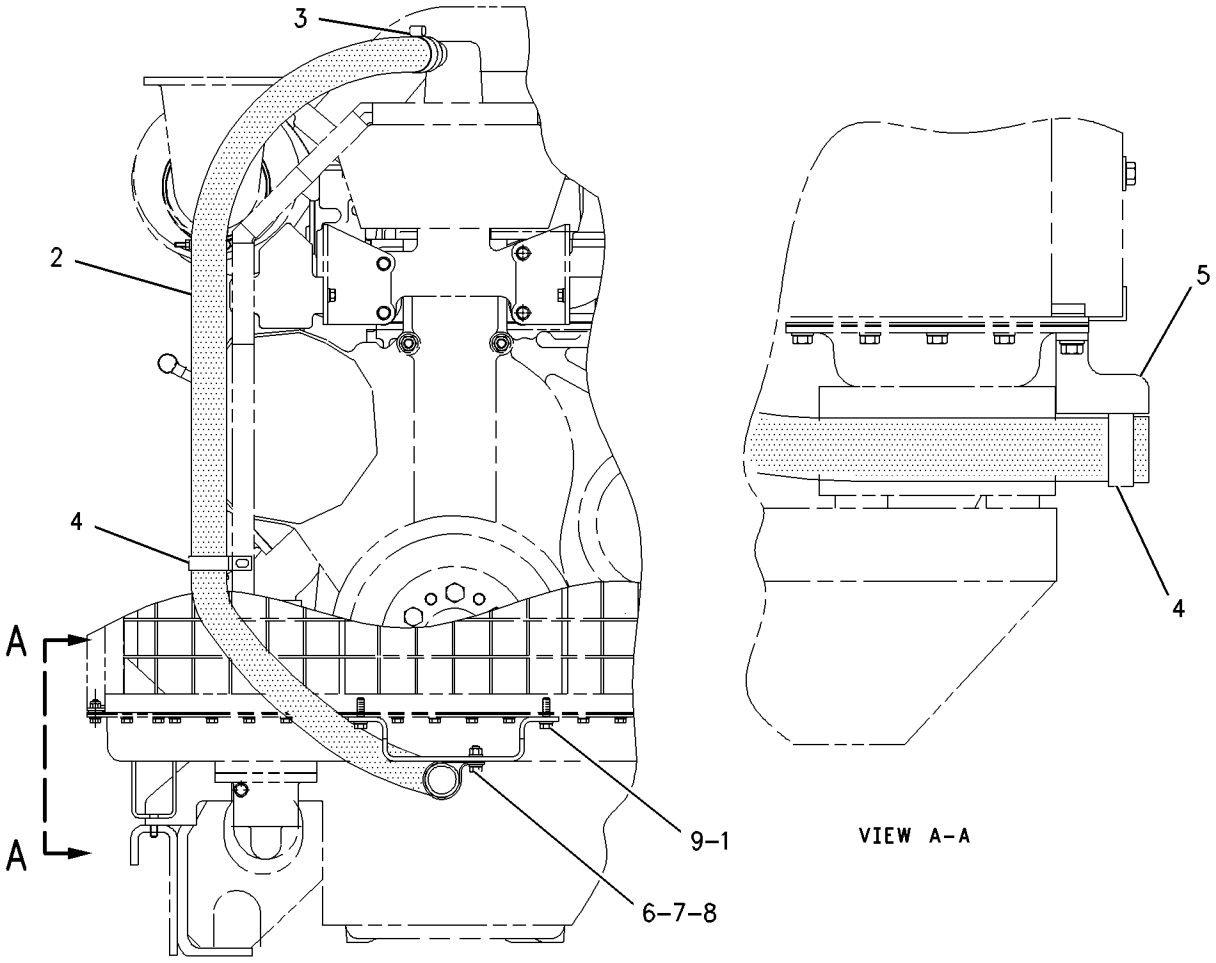
S/N: KPS1-UP

NOT FOR USE WITH ENCLOSURES, FOR USE WITH BLOWER FAN AN ATTACHMENT

SMCS-1317 **i01900171**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-1075**	2	WASHER-HARD (10.2X22.5X3MM THK)	
E	2	1	**5P-1255**		HOSE (257CM)	
	3	1	**9M-2904**	1	CLAMP-HOSE	
	4	1	**7L-6326**	2	CLIP	
	5	1	**5N-7381**	1	BRACKET	
	6	1	**8T-2502**	1	BOLT (3/8-16X1.125 IN)	
	7	1	**8T-4896**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	8	1	**6V-8801**	1	NUT (3/8-16 THD)	
	9	1	**4L-9337**	2	BOLT (3/8-16X1.5 IN)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00771102

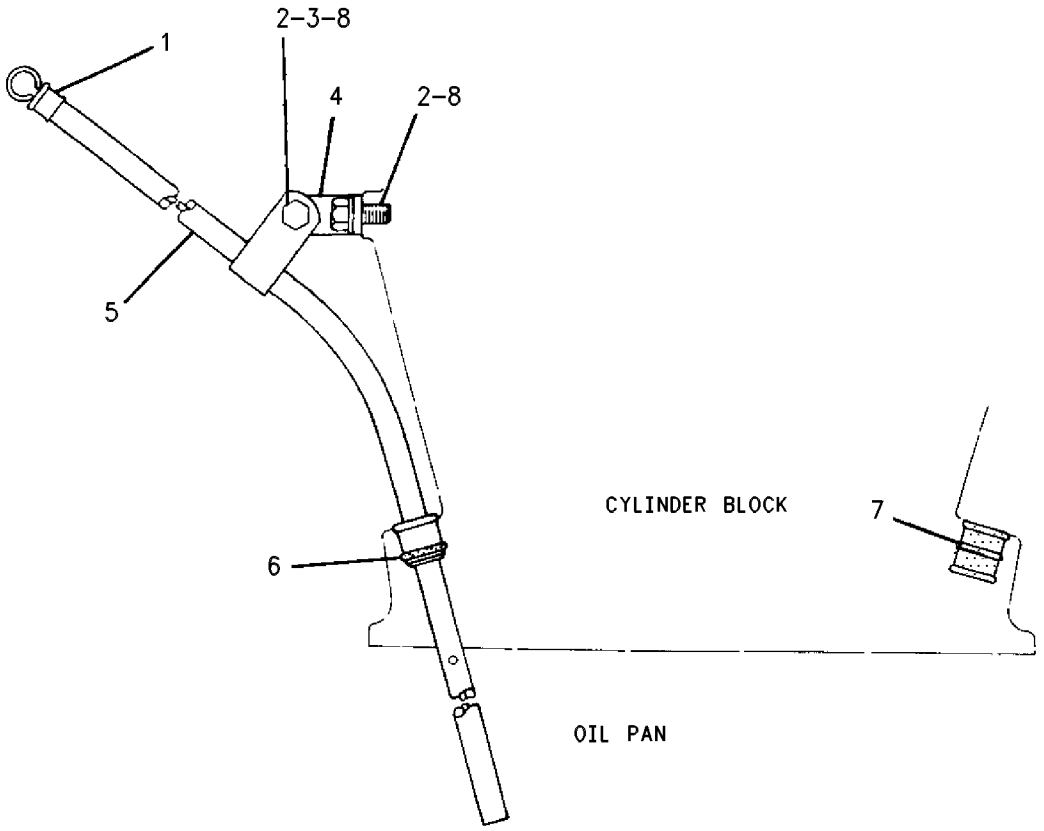
4N-9951 GAUGE GP-OIL LEVEL (DIPSTICK)

S/N: KPS1-UP
LH
FOR USE WITH FRONT OR REAR SUMP STANDARD OIL PAN
AN ATTACHMENT

SMCS-1326 **i01872395**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1667**	1	GAUGE AS-OIL LEVEL (DIPSTICK)	
	2	1	**0L-1351**	2	BOLT (3/8-16X0.875 IN)	
	3	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
	4	1	**2L-6243**	1	BRACKET	
	5	1	**1N-3810**	1	GUIDE AS-OIL LEVEL GAUGE	
	6	1	**118-5068**	1	SEAL-O-RING	
J	7	1	**165-6170**	3	PLUG	
	8	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
BF		1	**0S-1594**	1	BOLT (3/8-16X1 IN) (MOUNTED ON OIL COOLER BONNET)	

B-USE AS REQUIRED
F-NOT SHOWN
J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00648115

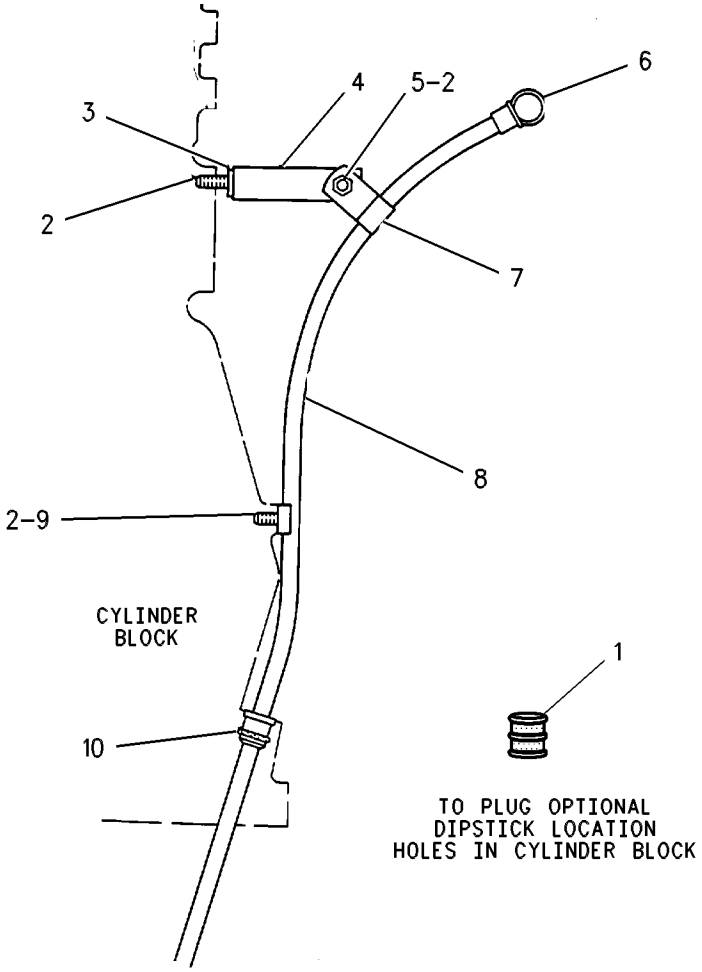
4W-1895 GAUGE GP-OIL LEVEL (DIPSTICK)

S/N: KPS1-UP
PART OF 4W-1880 PAN GP-OIL
FOR USE WITH 4W-1873—PAGE 67
AN ATTACHMENT

SMCS-1326 **i01872437**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	1	1	**165-6170**	3	PLUG	
	2	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	3	1	**1A-4784**	1	WASHER	
	4	1	**6N-2283**	1	BRACKET	
	5	1	**0S-1591**	2	BOLT (3/8-16X1.5 IN)	
		1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
		1	**5H-3124**	1	SPACER (.4062X1X.625 IN THK)	
	6	1	**4W-1894**	1	GAUGE AS-OIL LEVEL (DIPSTICK)	
	7	1	**7B-1598**	1	CLIP	
	8	1	**6N-7840**	1	GUIDE AS-GAUGE (OIL LEVEL)	
	9	1	**0S-0509**	1	BOLT (3/8-16X0.75 IN)	
	10	1	**118-5068**	1	SEAL-O-RING	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00648110

7N-8084 GAUGE GP-OIL LEVEL (DIPSTICK)

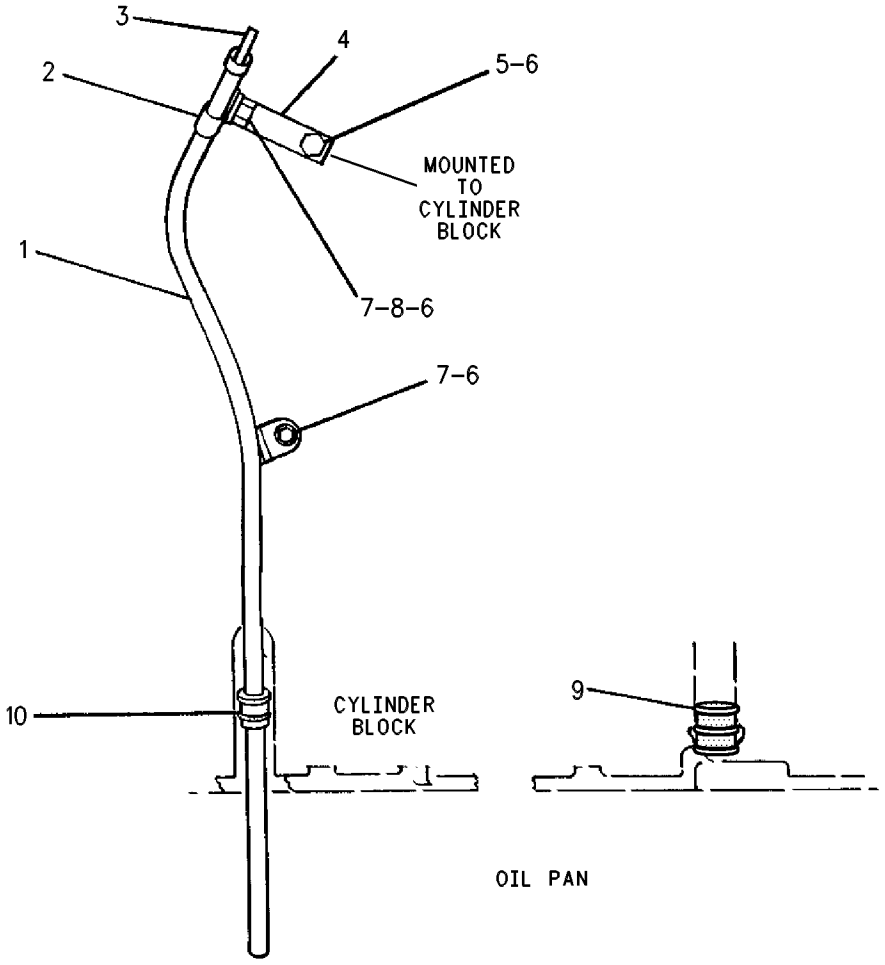
S/N: 1DZ3603-UP

FOR USE WITH REAR SUMP OIL PAN

SMCS-1326 **i01902263**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-7913**	1	GUIDE AS-GAUGE	
	2	1	**4B-0418**	1	CLIP	
	3	1	**6N-7653**	1	GAUGE AS-OIL LEVEL (DIPSTICK)	
	4	1	**7N-7916**	1	BRACKET	
	5	1	**3B-1915**	1	BOLT (3/8-16X1.75 IN)	
C	6	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
C	7	1	**0S-0509**	2	BOLT (3/8-16X0.75 IN)	
	8	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
CJ	9	1	**165-6170**	3	PLUG	
	10	1	**118-5068**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
J-USE TO PLUG OPTIONAL DIPSTICK HOLES IN CYLINDER BLOCK



GRAPHIC #1 **<END>** g00648582

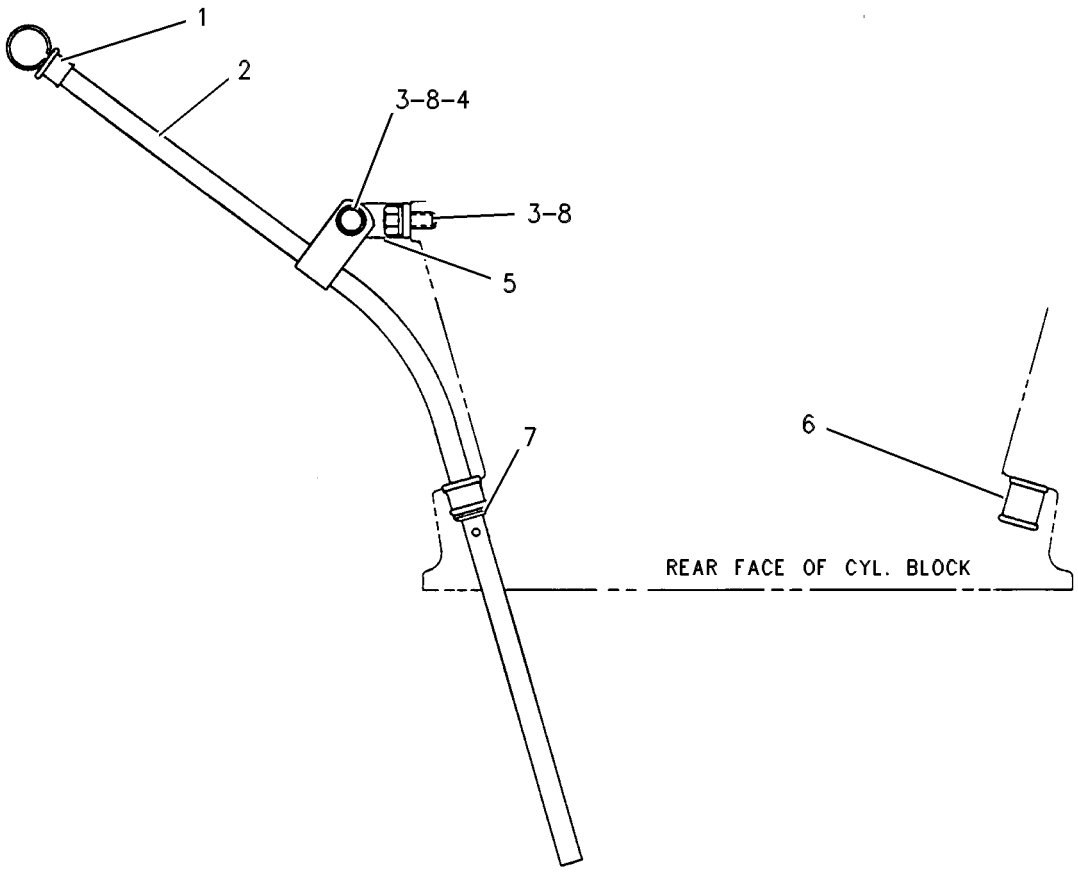
7W-3603 GAUGE GP-OIL LEVEL (DIPSTICK)

S/N: KPS1-UP
LH
FOR USE WITH 4W-1880—PAGE 68
AN ATTACHMENT

SMCS-1326 **i01872445**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-3602**	1	GAUGE AS-OIL LEVEL (DIPSTICK)	
	2	1	**1N-3810**	1	GUIDE AS-OIL LEVEL GAUGE	
	3	1	**0L-1351**	2	BOLT (3/8-16X0.875 IN)	
	4	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
	5	1	**2L-6243**	1	BRACKET	
J	6	1	**165-6170**	3	PLUG	
	7	1	**118-5068**	1	SEAL-O-RING	
	8	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
F		1	**0S-1594**	1	BOLT (3/8-16X1 IN) (MOUNTED ON WATER BONNET)	

F-NOT SHOWN
J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00256726

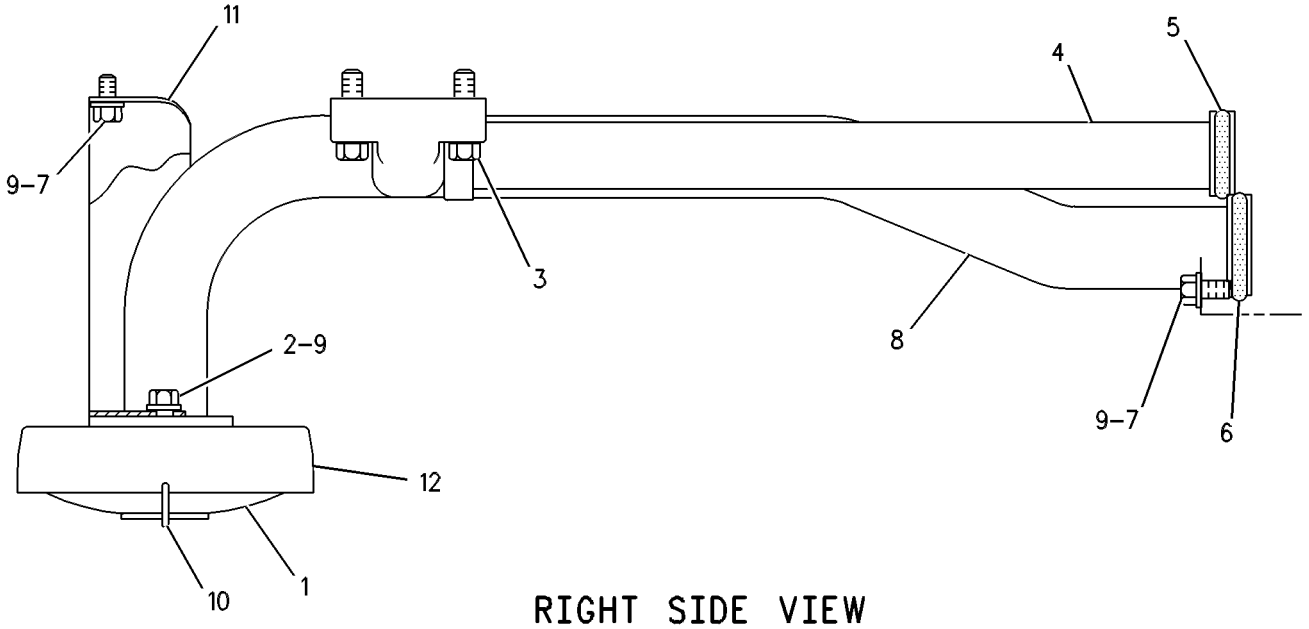
4N-1128 LINES GP-ENGINE OIL

S/N: KPS1-UP; 1DZ3603-UP
FOR USE WITH DEEP SUMP OIL PAN
ALSO AN ATTACHMENT

SMCS-1307 **i01787422**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0913**	1	SCREEN AS-BELL (ENGINE OIL)	
	2	1	**1A-2029**	2	BOLT (3/8-16X1.125 IN)	
C	3	1	**0S-1591**	2	BOLT (3/8-16X1.5 IN)	
	4	1	**4N-0995**	1	TUBE AS	
	5	1	**109-0078**	1	SEAL-O-RING	
C	6	1	**109-0072**	1	SEAL-O-RING	
C	7	1	**0L-1351**	3	BOLT (3/8-16X0.875 IN)	
	8	1	**9N-5124**	1	TUBE AS-PUMP SUCTION	
	9	1	**9X-6458**	5	WASHER-HARD (10.2X22.5X3MM THK)	
	10	1	**4N-0914**	1	CLIP	
	11	1	**6N-7249**	1	SUPPORT-SUCTION BELL	
	12	1	**8N-2104**	1	BELL AS-SUCTION	

C-CHANGE FROM PREVIOUS TYPE



RIGHT SIDE VIEW

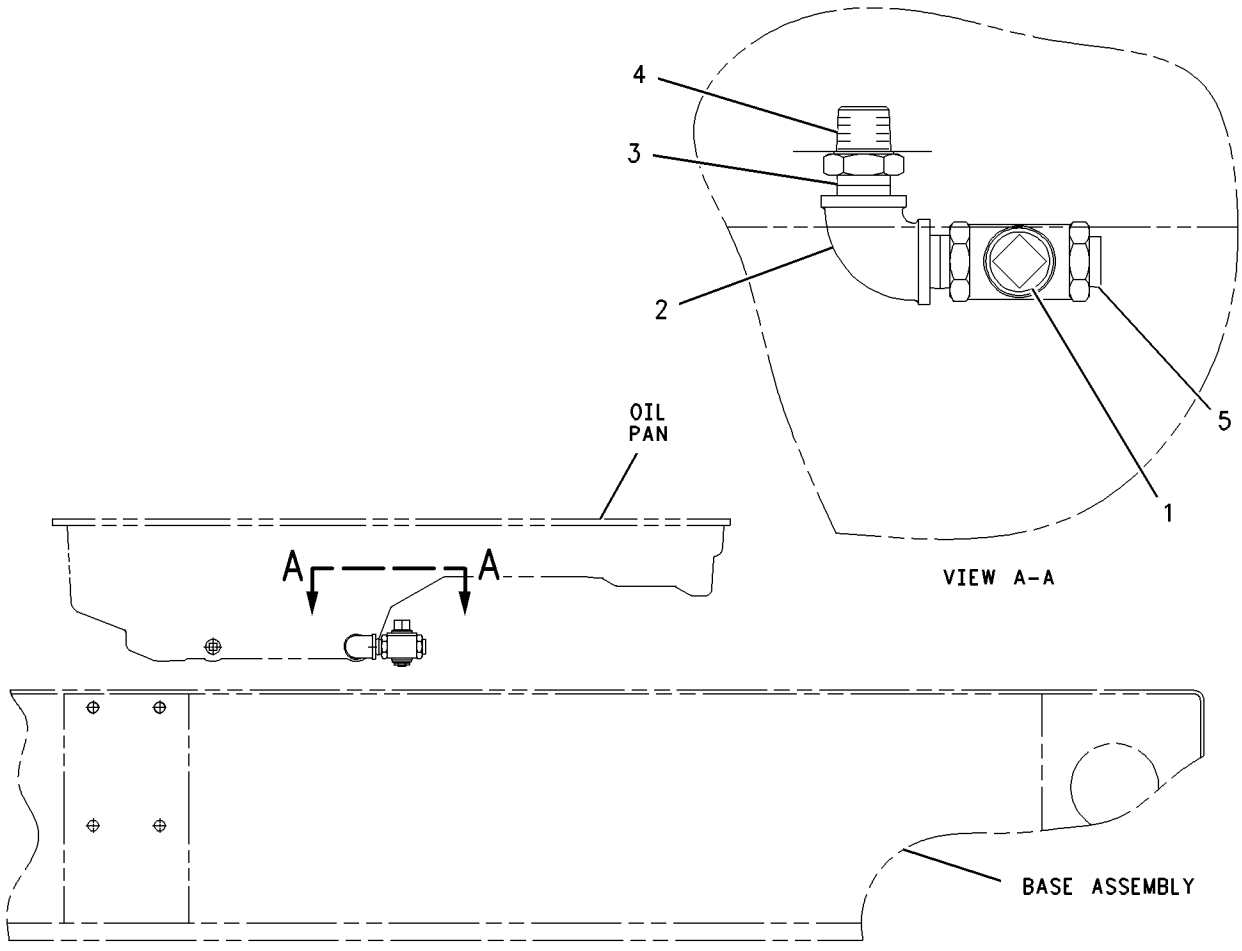
GRAPHIC #1 **<END>** g00260084

191-2205 LINES GP-ENGINE OIL DRAIN

S/N: 1DZ3603-UP

SMCS-1307 **i01486581**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9B-4202**	1	COCK	
	2	1	**4B-5984**	1	ELBOW	
	3	1	**3B-7745**	2	NIPPLE-CLOSE	
	4	1	**6B-9081**	1	BUSHING-REDUCING	
	5	1	**7X-7731**	1	PLUG-PIPE	



GRAPHIC #1 **<END>** g00774772

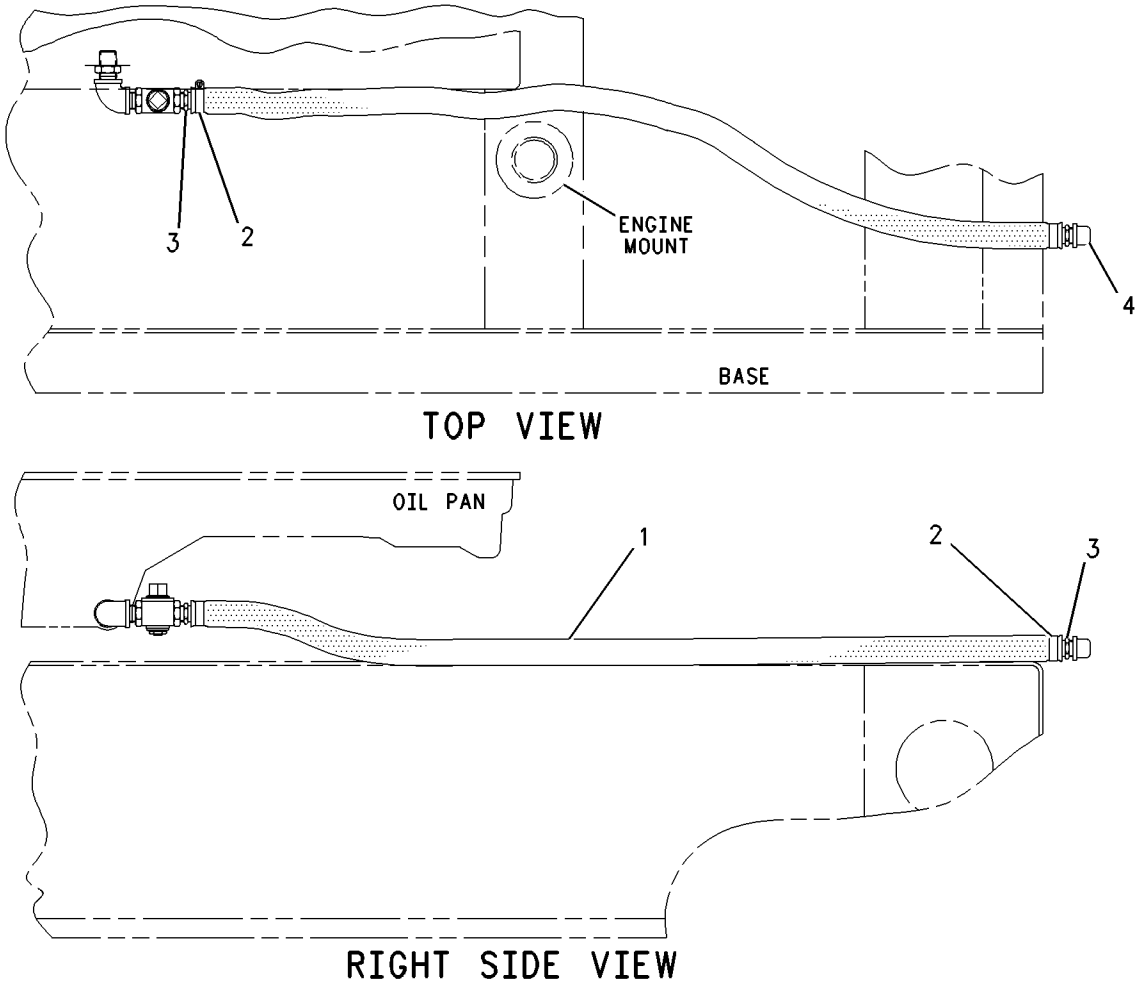
192-7208 LINES GP-ENGINE OIL DRAIN

S/N: KPS1-UP
AN ATTACHMENT

SMCS-1307 **i01702388**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
E	1	1	**5P-2094**		HOSE (155CM)	
	2	1	**9M-7958**	2	CLAMP-HOSE	
	3	1	**053-2313**	2	CONNECTOR	
	4	1	**3B-6485**	1	CAP-PIPE	

E-ORDER BY THE CENTIMETER



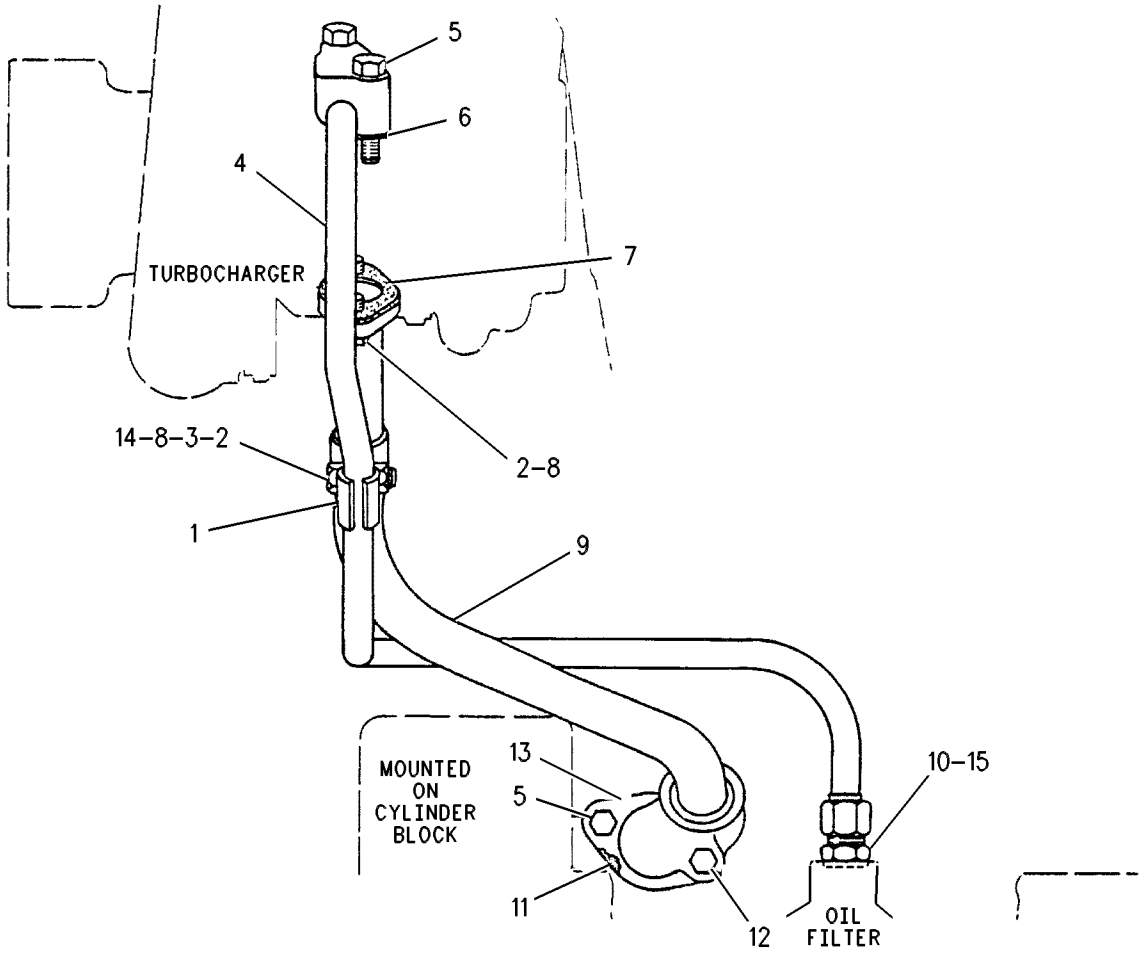
GRAPHIC #1 **<END>** g00876774

1W-4203 LINES GP-TURBOCHARGER OIL

S/N: 1DZ3603-UP

SMCS-1052, 1307 **i01066747**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9M-7540**	2	CLAMP-TUBE	
	2	1	**1A-2029**	3	BOLT (3/8-16X1.125IN)	
	3	1	**1D-4717**	1	NUT (3/8-16 THD)	
	4	1	**1W-4200**	1	TUBE AS	
	5	1	**0S-1571**	3	BOLT (3/8-16X1.75IN)	
	6	1	**1S-6595**	1	GASKET	
	7	1	**1S-4810**	1	GASKET-OIL DRAIN	
	8	1	**5M-2894**	4	WASHER (2.5MM THK)	
	9	1	**1W-4202**	1	TUBE AS	
		1	**114-2687**	1	SEAL-O-RING (23.16MM ID)	
	10	1	**9M-4584**	1	CONNECTOR-FLARED	
	11	1	**4N-0699**	1	GASKET	
	12	1	**0S-1619**	1	BOLT (3/8X3.0IN)	
	13	1	**4N-2040**	1	ELBOW-DRAIN	
	14	1	**3L-9689**	1	WASHER	
	15	1	**114-4427**	1	SEAL-O-RING (19.18MM ID)	



GRAPHIC #1 **<END>** g00555818

LUBRICATION SYSTEM

4N-5394 LINES GP-TURBOCHARGER OIL

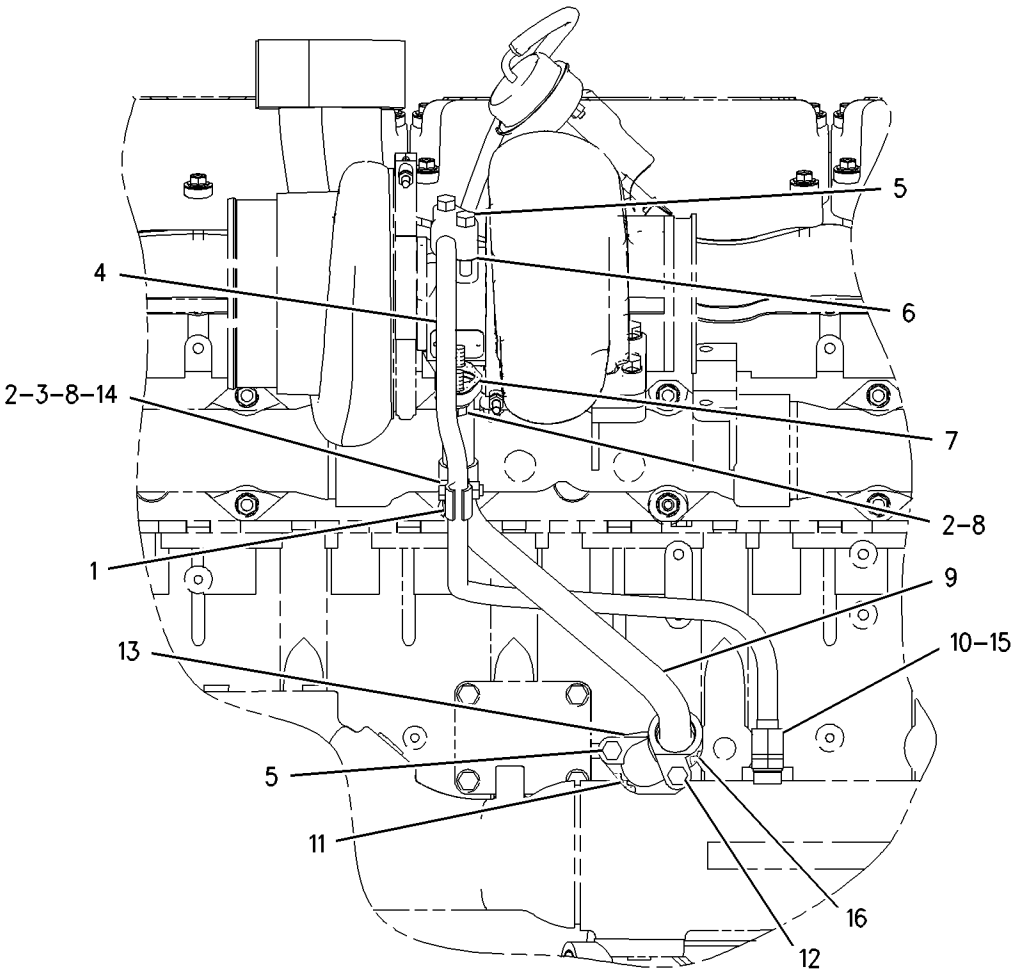
S/N: 1DZ3603-UP

FOR USE WITH MANIFOLD

SMCS-1052, 1307 **i01950604**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9M-7540**	2	CLAMP-TUBE	
	2	1	**1A-2029**	3	BOLT (3/8-16X1.125 IN)	
	3	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
C	4	1	**7N-3448**	1	TUBE AS-OIL	
	5	1	**0S-1571**	3	BOLT (3/8-16X1.75 IN)	
	6	1	**1S-6595**	1	GASKET (OIL SUPPLY)	
	7	1	**1S-4810**	1	GASKET-OIL DRAIN	
	8	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	9	1	**6N-1141**	1	TUBE AS-OIL DRAIN	
C	10	1	**9M-4584**	1	CONNECTOR	
	11	1	**4N-0699**	1	GASKET	
	12	1	**0S-1619**	1	BOLT (3/8-16X3 IN)	
	13	1	**4N-2040**	1	ELBOW-DRAIN	
	14	1	**3L-9689**	1	WASHER (10.5X25.4X5MMTHK)	
C	15	1	**114-4427**	1	SEAL-O-RING	
	16	1	**114-2687**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE



RIGHT SIDE VIEW

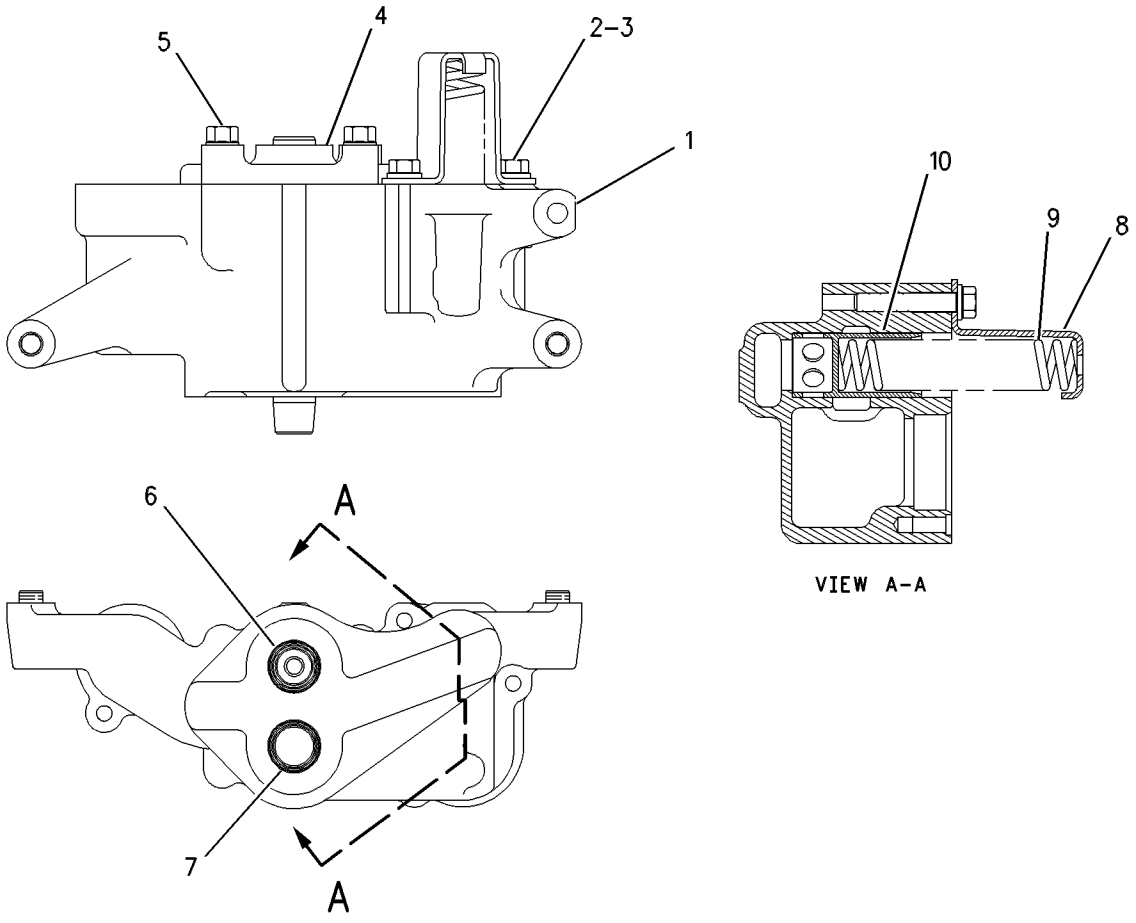
GRAPHIC #1 **<END>** g00881966

161-4111 PUMP GP-ENGINE OIL

S/N: 1DZ3603-UP

SMCS-1304, 1315 **i01036502**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0513**	1	BODY AS-OIL PUMP	
		1	**7N-2156**	2	BEARING-SLEEVE (27.013MM OD)	
		1	**8M-8489**	2	DOWEL (12.54MM DIA)	
	2	1	**1M-0644**	2	BOLT (3/8-16X2-1/4 IN)	
	3	1	**5M-2894**	2	WASHER (2.5MM THK)	
	4	1	**127-6356**	1	COVER AS-PUMP	
		1	**8S-6511**	2	BEARING-SLEEVE (.8775IN ID)	
	5	1	**2P-3205**	4	BOLT-WASHER HEAD	
	6	1	**1W-7238**	1	SHAFT AS-PUMP DRIVE	
	7	1	**1W-7239**	1	SHAFT AS-IDLER	
	8	1	**9Y-1800**	1	RETAINER	
	9	1	**2S-2760**	1	SPRING	
	10	1	**6N-1931**	1	PLUNGER-RELIEF	



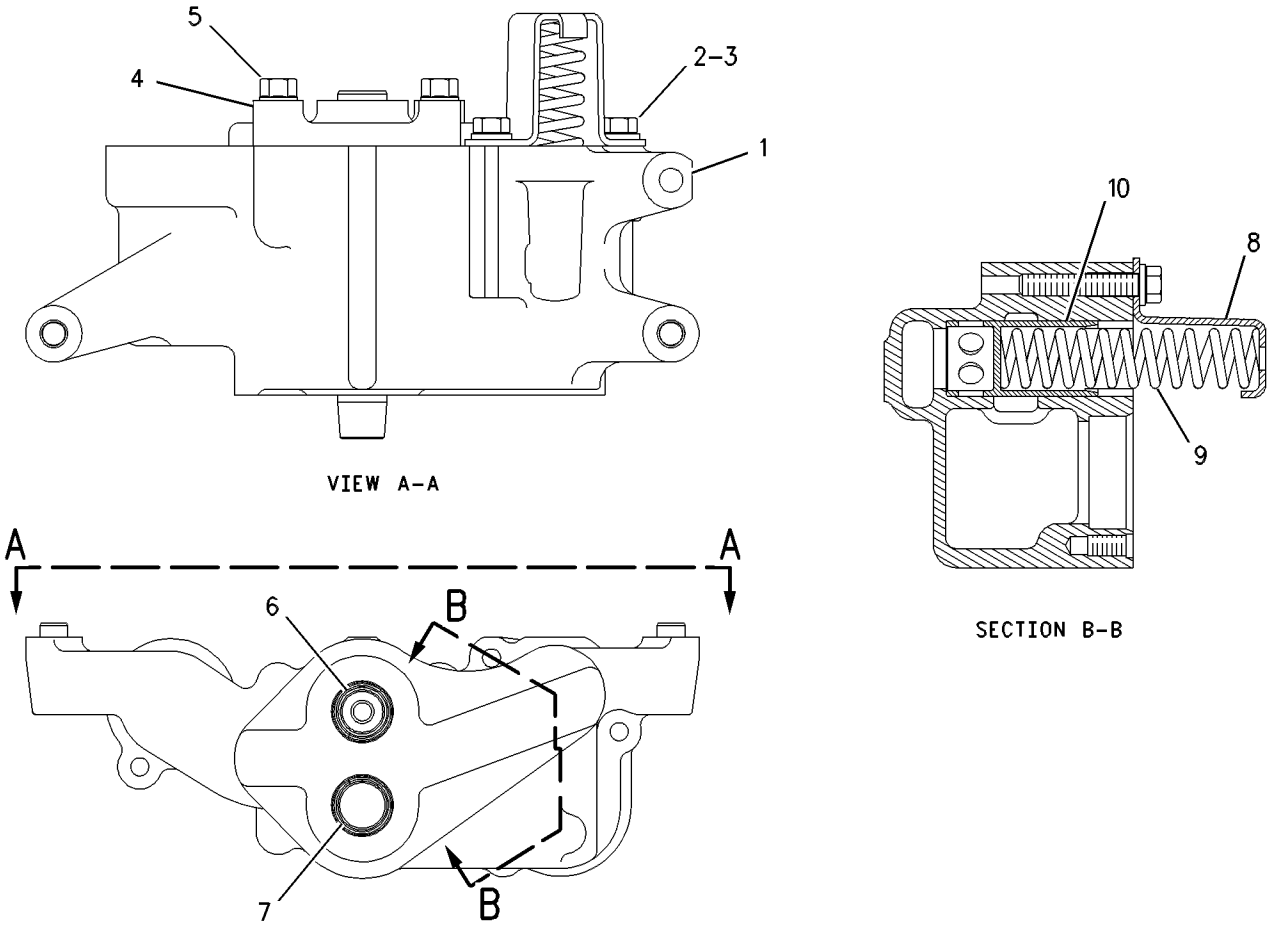
GRAPHIC #1 **<END>** g00538861

161-4113 PUMP GP-ENGINE OIL*R

S/N: 1DZ5202-UP

SMCS-1304, 1315 **i01937108**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0513**	1	BODY AS-OIL PUMP	
		1	**7N-2156**	2	BEARING-SLEEVE	
		1	**8M-8489**	2	DOWEL	
	2	1	**1M-0644**	2	BOLT (3/8-16X2-1/4 IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	**127-6356**	1	COVER AS-PUMP	
		1	**8S-6511**	2	BEARING-SLEEVE	
	5	1	**2P-3205**	4	BOLT-WASHER HEAD (3/8-16X44.45MM)	
	6	1	**1W-7238**	1	SHAFT AS-PUMP DRIVE	
	7	1	**1W-7239**	1	SHAFT AS-IDLER	
	8	1	**9Y-1792**	1	RETAINER	
	9	1	**2S-2760**	1	SPRING	
	10	1	**6N-1931**	1	PLUNGER-RELIEF	



GRAPHIC #1 **<END>** g00544956

COOLING SYSTEM

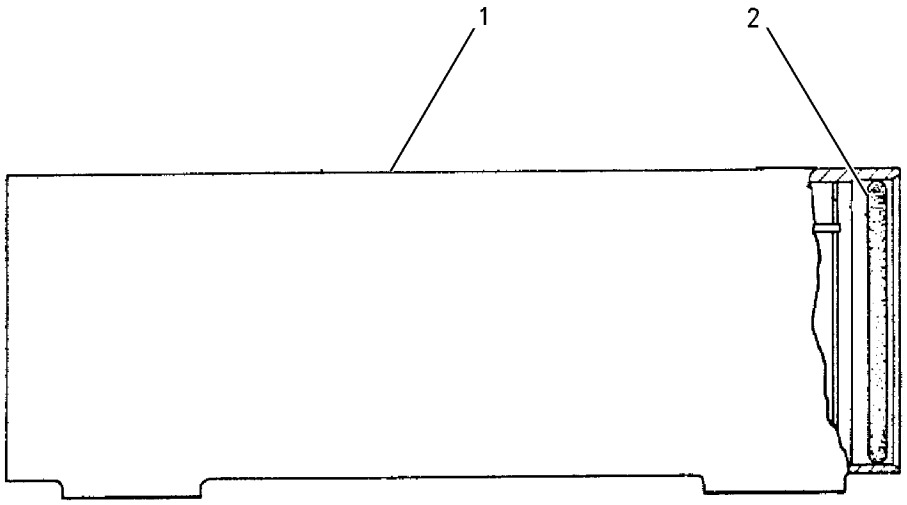
7W-2206 COOLER GP-ENGINE OIL

S/N: 1DZ3603-UP

SMCS-1378 **i01768700**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**7C-3039**	1	CORE AS (ENGINE OIL COOLER)	
	2	1	**109-0077**	2	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00604532

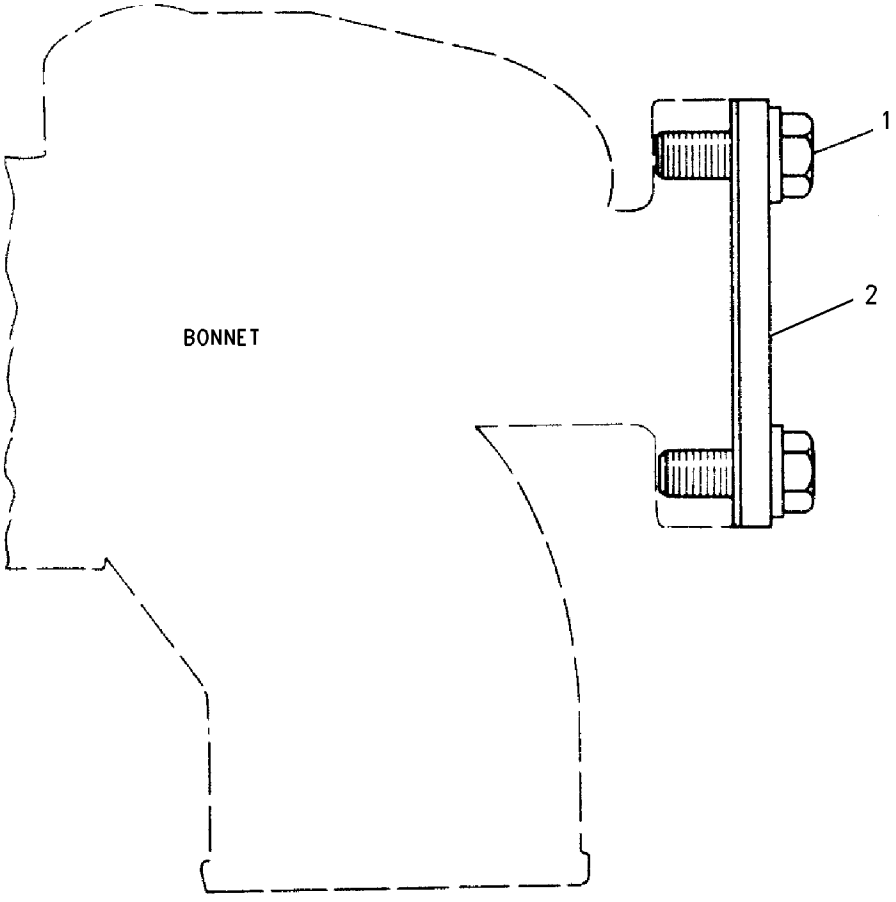
9N-0685 COVER GP-WATER LINES

S/N: 1DZ3603-UP

FOR USE WITH CONVERSION TO SEAWATER COOLING

SMCS-1380 **i01849002**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1594**	2	BOLT (3/8-16X1 IN)	
		1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	2	1	**2P-2772**	1	COVER	
		1	**4N-0933**	1	GASKET	



GRAPHIC #1 **<END>** g00942461

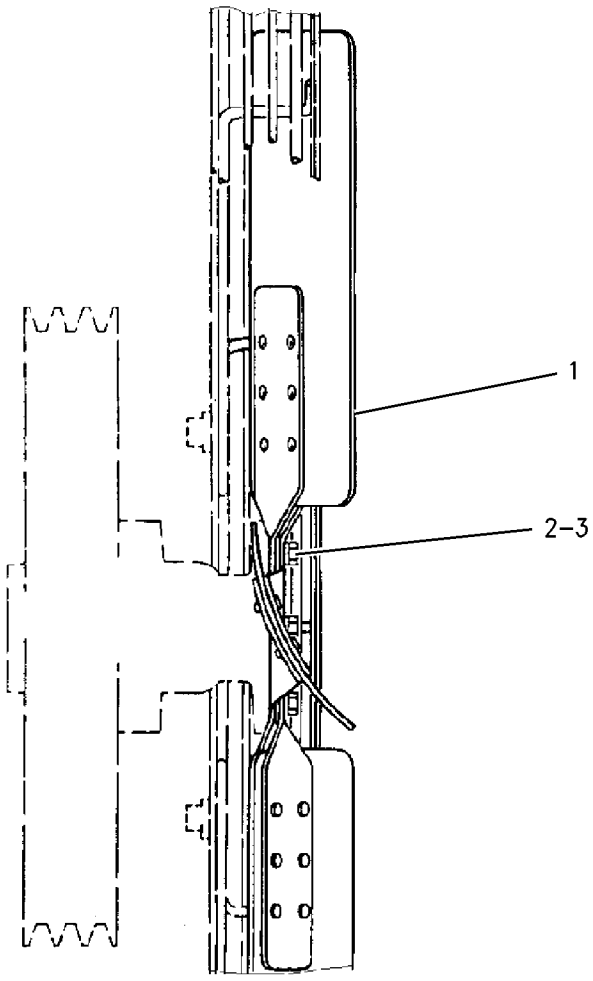
COOLING SYSTEM

4N-2569 FAN GP-BLOWER

S/N: KPS1-UP
838 MM (33 INCH)
AN ATTACHMENT

SMCS-1356, 1360 **i01472933**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-2571**	1	SPIDER AS-BLOWER FAN (6 BLADE)	
	2	1	**8T-2502**	6	BOLT (3/8-16X1.125 IN)	
	3	1	**8T-4896**	6	WASHER-HARD (10.2X18.5X2.5MM THK)	



GRAPHIC #1 **<END>** g00727447

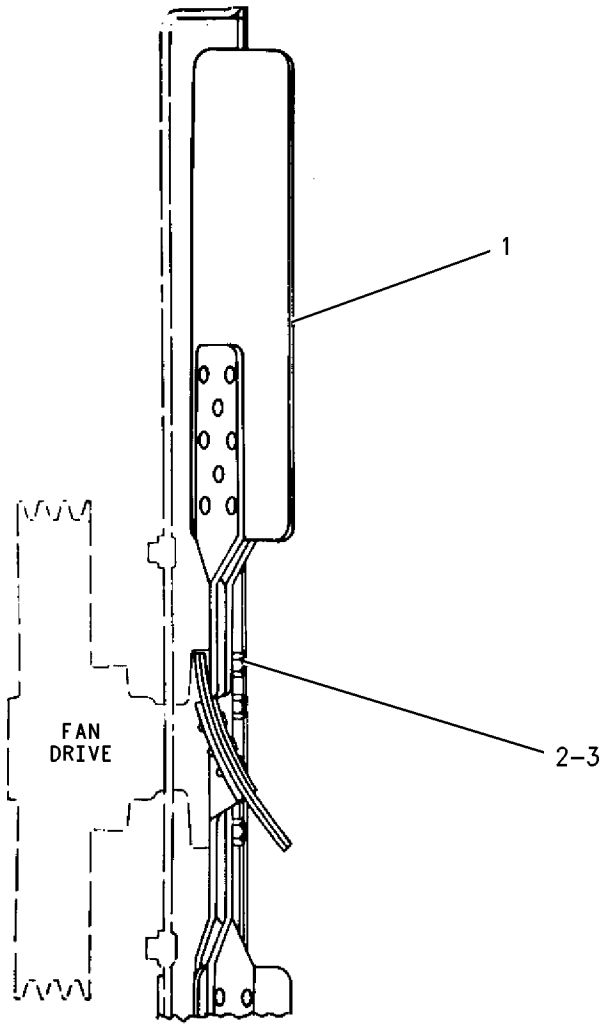
COOLING SYSTEM

4N-3093 FAN GP-BLOWER

S/N: KPS1-UP
1016 MM (40 INCH)
AN ATTACHMENT

SMCS-1356, 1360 **i01950005**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3091**	1	SPIDER AS (8 BLADES) (BLOWER FAN))	
	2	1	**5P-2566**	6	BOLT (1/2-13X1.5 IN)	
	3	1	**8T-4223**	6	WASHER-HARD (13.5X25.5X3MM THK)	



GRAPHIC #1 **<END>** g00723269

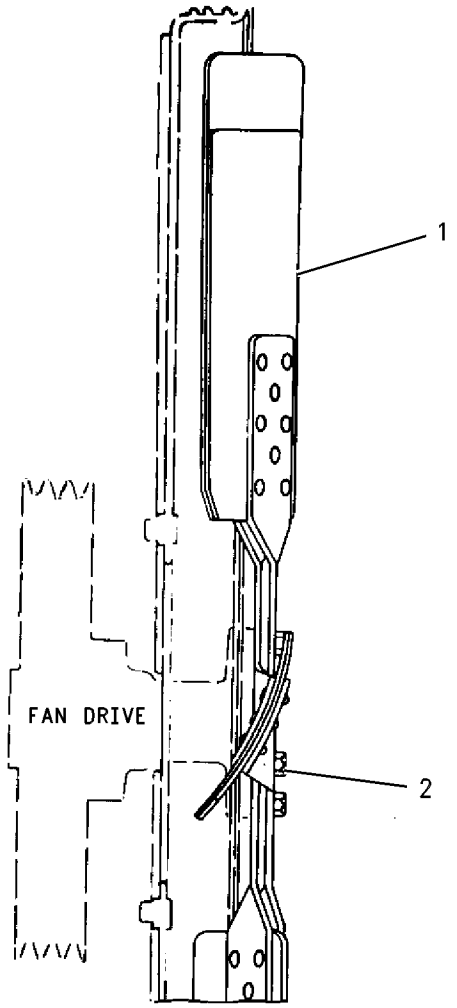
COOLING SYSTEM

4N-3466 FAN GP-SUCTION

S/N: KPS1-UP
1168 MM (46 INCH) DIAMETER
FOR USE WITH SAE STANDARD ENGINE ROTATION
AN ATTACHMENT

SMCS-1356 **i01950207**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3338**	1	SPIDER AS (8 BLADES) (FAN)	
	2	1	**0S-1587**	6	BOLT (1/2-13X1.75 IN)	
		1	**2M-0849**	6	WASHER-HARD (13.5X25.5X5MM THK)	



GRAPHIC #1 **<END>** g00567437

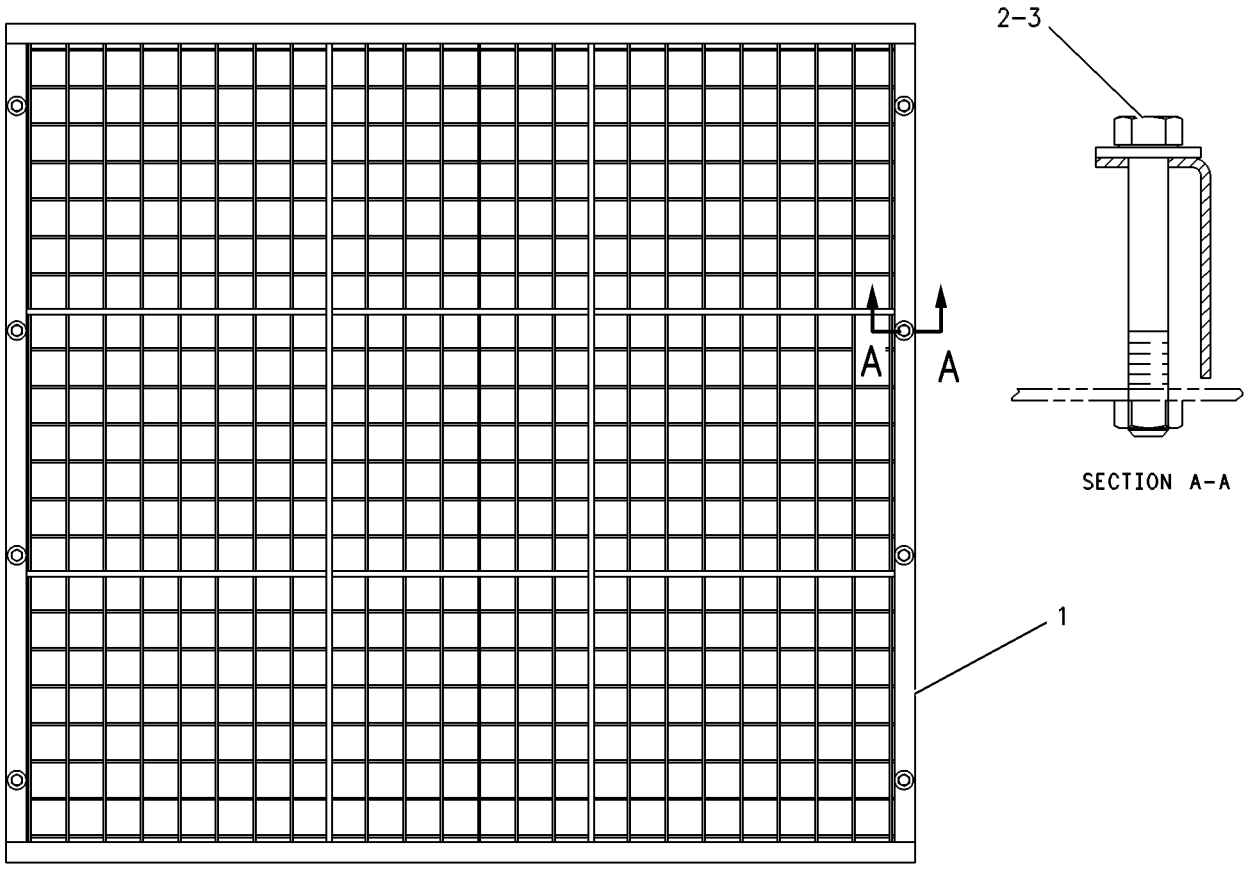
COOLING SYSTEM

115-9322 GUARD GP-RADIATOR

S/N: KPS1-UP
AN ATTACHMENT

SMCS-7155 **i00709368**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**115-9321**	1	GUARD AS-RADIATOR	
	2	1	**8T-9101**	8	BOLT (3/8-16X2.75IN)	
	3	1	**7X-0772**	8	WASHER-HARD (2.5MM THK)	



GRAPHIC #1 **<END>** g00256617

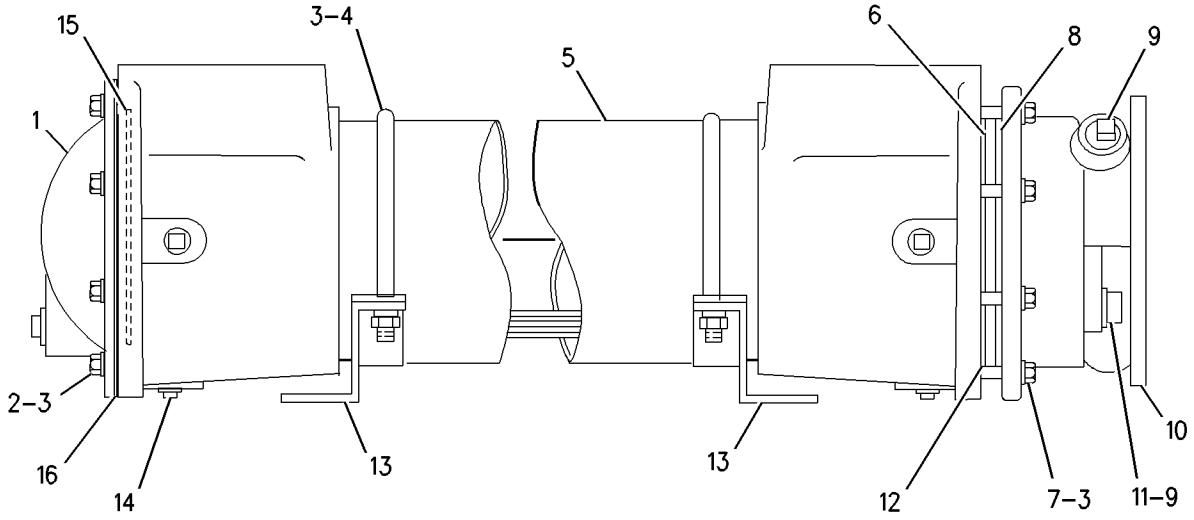
3N-7990 HEAT EXCHANGER GP-SEA WATER

S/N: KPS1-UP
23 SQUARE FEET COOLING
PART OF 3N-8775 HEAT EXCHANGER GP-SEA WATER
AN ATTACHMENT

SMCS-1379 **i01909806**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-4502**	1	BONNET (RETURN)	
	2	1	**9B-7237**	8	BOLT (3/8-16X1.25 IN)	
	3	1	**3B-4506**	20	LOCKWASHER	
	4	1	**3N-9599**	2	U-BOLT	
		1	**1D-4717**	4	NUT (3/8-16 THD)	
	5	1	**3N-9636**	1	SHELL AS	
	6	1	**8L-5354**	1	CORE AS (HEAT EXCHANGER)	
	7	1	**5S-7383**	8	BOLT (3/8-16X1.75 IN)	
	8	1	**8L-4498**	1	GASKET	
	9	1	**5B-9169**	5	PLUG-DRAIN (HEAT EXCHANGER)	
	10	1	**3N-9607**	1	BONNET	
		1	**1H-1200**	1	PIN-SPRING	
	11	1	**6L-2280**	2	ROD	
	12	1	**8L-4497**	1	GASKET	
	13	1	**3N-9612**	2	BRACKET AS	
	14	1	**6L-2282**	4	PLUG-PIPE	
	15	1	**3N-7351**	1	SEAL-RUBBER	
B	16	1	**8L-9767**	48	SHIM (0.015IN THK)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00768358

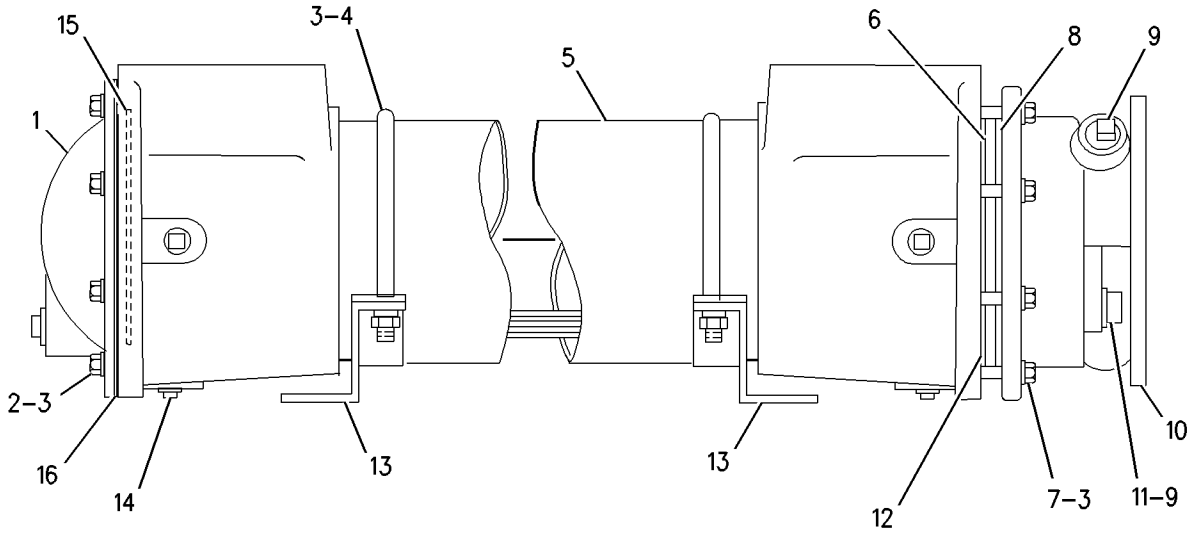
3N-7992 HEAT EXCHANGER GP-SEA WATER

S/N: KPS1-UP
34 SQUARE FEET COOLING
PART OF 3N-9094 HEAT EXCHANGER GP-SEA WATER
AN ATTACHMENT

SMCS-1379 **i01864311**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-4502**	1	BONNET (RETURN)	
	2	1	**9B-7237**	8	BOLT (3/8-16X1.25 IN)	
	3	1	**3B-4506**	20	LOCKWASHER	
	4	1	**3N-9599**	2	U-BOLT	
		1	**1D-4717**	4	NUT (3/8-16 THD)	
	5	1	**3N-9635**	1	SHELL AS	
	6	1	**3N-9638**	1	CORE AS (HEAT EXCHANGER)	
	7	1	**5S-7383**	8	BOLT (3/8-16X1.75 IN)	
	8	1	**8L-4498**	1	GASKET	
	9	1	**5B-9169**	5	PLUG-DRAIN (HEAT EXCHANGER)	
	10	1	**3N-9607**	1	BONNET	
		1	**1H-1200**	1	PIN-SPRING	
	11	1	**6L-2280**	2	ROD	
	12	1	**8L-4497**	1	GASKET	
	13	1	**3N-9612**	2	BRACKET AS	
	14	1	**6L-2282**	4	PLUG-PIPE	
	15	1	**3N-7351**	1	SEAL-RUBBER	
B	16	1	**8L-9767**	48	SHIM (0.015IN THK)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00768364

COOLING SYSTEM

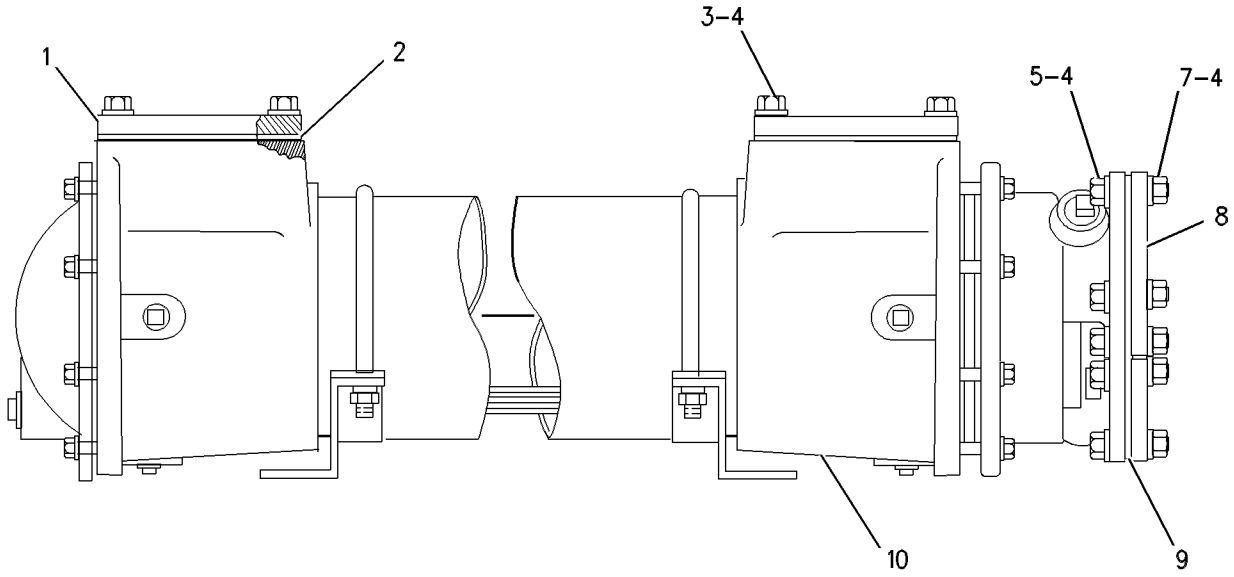
3N-8775 HEAT EXCHANGER GP-SEA WATER

S/N: KPS1-UP
28 SQUARE FEET OF COOLING AREA
FOR USE WITH ALL 60 HERTZ RATINGS FOR HEAT EXCHANGE SIZING
AN ATTACHMENT

SMCS-1379 **i01147066**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-9479**	2	FLANGE	
	2	1	**4L-3862**	2	GASKET	
	3	1	**0S-1588**	8	BOLT (3/8-16X1.25IN)	
	4	1	**5M-2894**	24	WASHER (2.5MM THK)	
	5	1	**9S-8752**	8	NUT (3/8-16 THD)	
	7	1	**0S-1571**	8	BOLT (3/8-16X1.75IN)	
	8	1	**3N-1555**	2	FLANGE	
	9	1	**4F-4873**	2	GASKET	
Y	10	1	**3N-7990**	1	HEAT EXCHANGER GP-SEA WATER	101

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00610171

3N-9094 HEAT EXCHANGER GP-SEA WATER

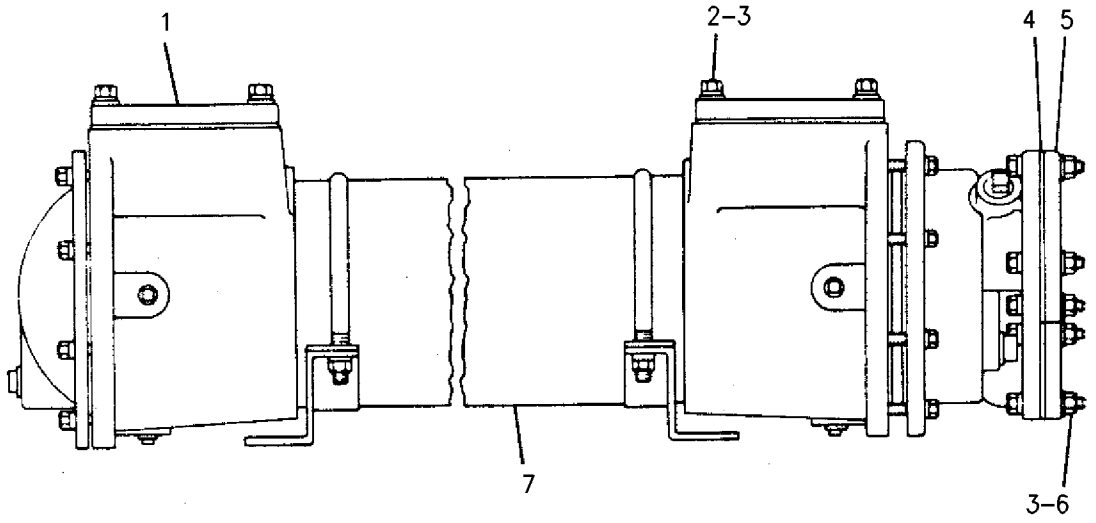
S/N: KPS1-UP

REMOTE MOUNTED 6 INCH X 36 INCH, 2 PASS COOLER, WITH REMOVABLE BUNDLE AN ATTACHMENT

SMCS-1379 **i01946346**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-9720**	2	FLANGE	
		1	**4L-3862**	2	GASKET	
	2	1	**9B-7237**	8	BOLT (3/8-16X1.25 IN)	
	3	1	**8T-4896**	24	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	**4F-4873**	2	GASKET	
	5	1	**3N-1555**	2	FLANGE	
	6	1	**5S-7383**	8	BOLT (3/8-16X1.75 IN)	
		1	**6V-8801**	8	NUT (3/8-16 THD)	
Y	7	1	**3N-7992**	1	HEAT EXCHANGER GP-SEA WATER	103

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00651049

COOLING SYSTEM

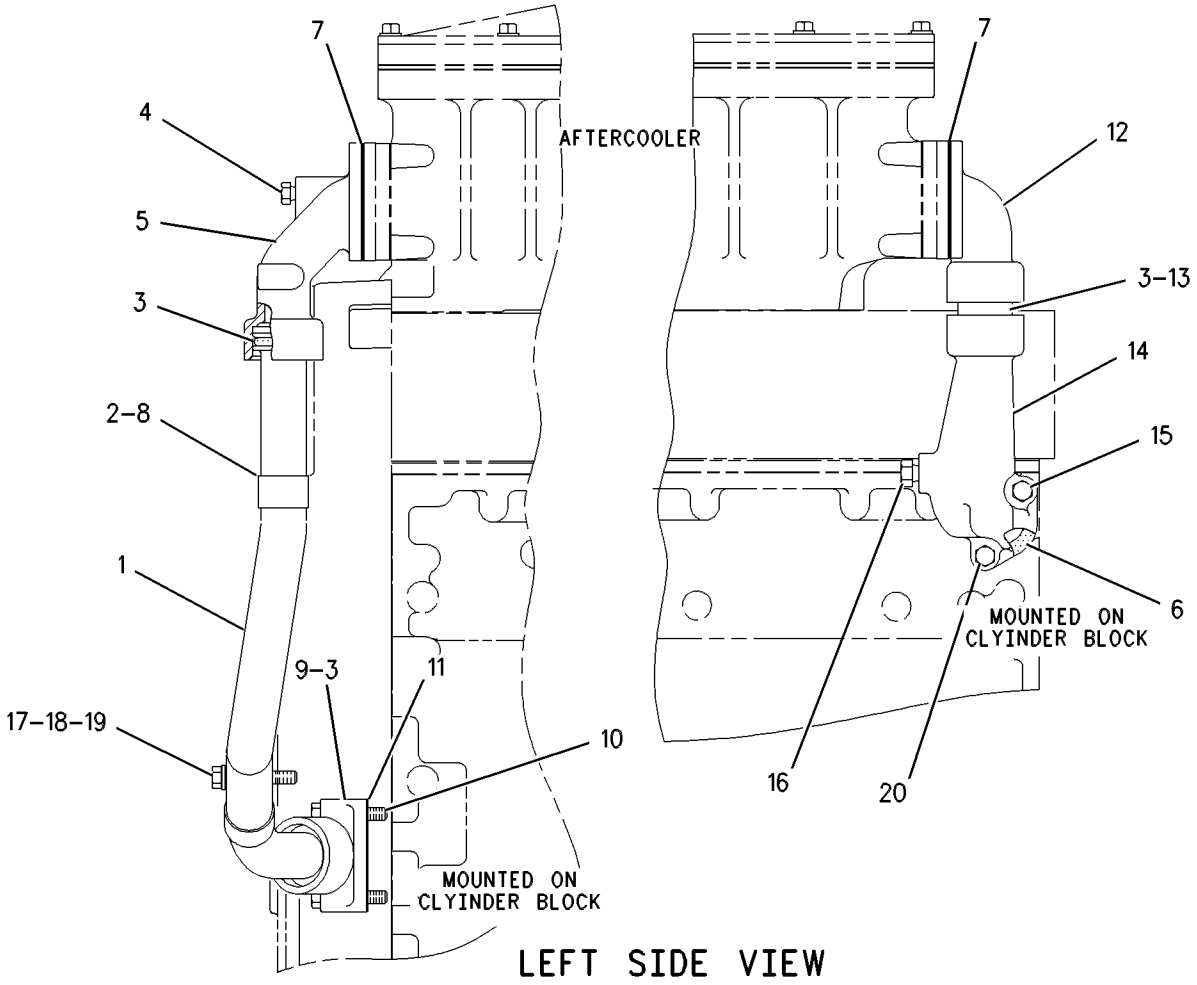
4N-2474 LINES GP-AFTERCOOLER WATER

S/N: 1DZ3603-UP

SMCS-1380 **i00987782**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**153-2724**	1	TUBE AS	
	2	1	**2S-2053**	2	CLIP (34.92MM ID)	
	3	1	**109-0078**	4	SEAL-O-RING (33.47MM ID)	
	4	1	**8T-6765**	1	PLUG-PIPE (1/4-18 NPTF THD)	
	5	1	**4N-7806**	1	ELBOW-INLET	
	6	1	**4N-0699**	1	GASKET	
C	7	1	**6L-9589**	2	GASKET	
	8	1	**5M-2894**	1	WASHER (2.5MM THK)	
	9	1	**4N-2617**	1	ELBOW-SUPPLY	
	10	1	**0S-1590**	2	BOLT (3/8-16X2IN)	
	11	1	**4N-0933**	1	GASKET	
	12	1	**4N-7796**	1	ELBOW-OUTLET	
	13	1	**4N-4196**	1	PIPE-OUTLET	
C	14	1	**6I-1575**	1	ELBOW-OUTLET	
	15	1	**3B-1915**	1	BOLT (3/8-16X1.375IN)	
C	16	1	**8T-6767**	1	PLUG-PIPE (3/8-18 NPTF THD)	
B	17	1	**1A-2029**	1	BOLT (3/8-16X1.125IN)	
B	18	1	**5M-2894**	2	WASHER (2.5MM THK)	
B	19	1	**6F-8515**	1	SPACER	
	20	1	**0L-2070**	1	BOLT (3/8-16X2.25IN)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00494194

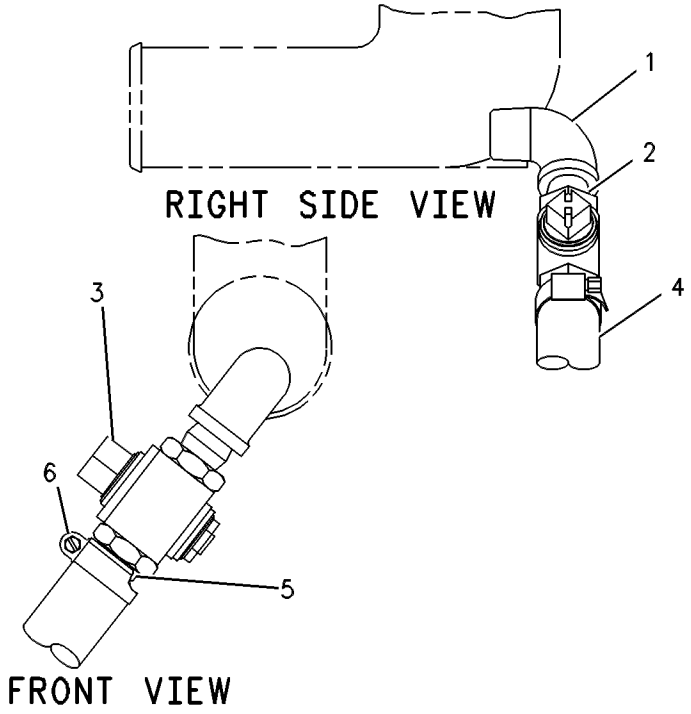
129-7502 LINES GP-COOLANT DRAIN

S/N: KPS1-UP
REQUIRES CATERPILLAR INSTALLED RADIATOR
AN ATTACHMENT

SMCS-1380 **i00707083**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3B-6554**	1	ELBOW	
	2	1	**3B-7745**	1	NIPPLE-CLOSE	
	3	1	**9B-4202**	1	COCK	
E	4	1	**5P-2094**		HOSE (76CM)	
	5	1	**9N-0415**	1	NIPPLE-OUTLET	
	6	1	**9M-7958**	2	CLAMP-HOSE	

E-ORDER BY THE CENTIMETER



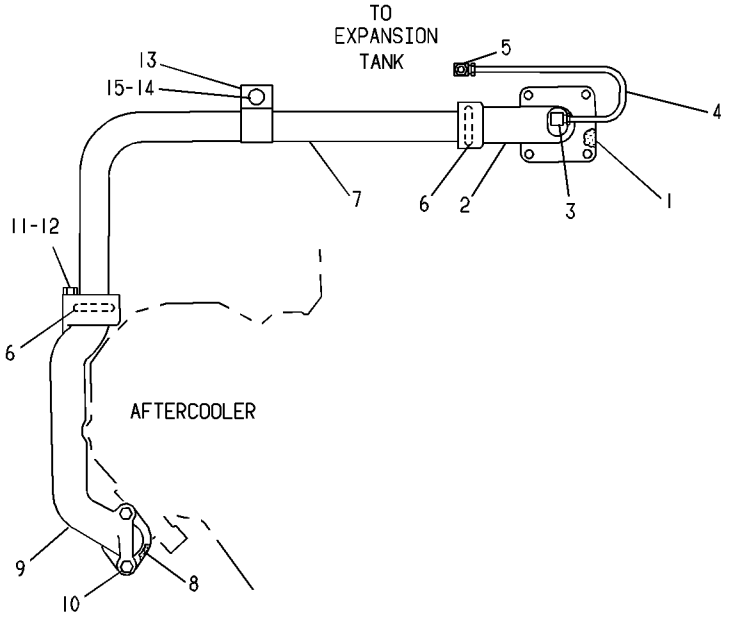
GRAPHIC #1 **<END>** g00256161

2W-7157 LINES GP-WATER

S/N: KPS1-UP
AFTERCOOLER
FOR USE WITH DIRECT INJECTION TURBOCHARGED AFTERCOOLED ENGINES, 2W-7158—PAGE 139
AN ATTACHMENT

SMCS-1380 **i00640707**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-4188**	1	GASKET	
	2	1	**1W-1396**	1	ELBOW-AFTERCOOLER	
	3	1	**5K-9241**	1	ELBOW	
	4	1	**1W-1399**	1	TUBE AS-VENT	
	5	1	**5K-9243**	1	ELBOW-FLARED	
	6	1	**1S-9544**	2	SEAL-O-RING (34.29MM ID)	
	7	1	**1W-1398**	1	TUBE	
	8	1	**4N-0933**	1	GASKET	
	9	1	**1W-1397**	1	ELBOW-AFTERCOOLER	
	10	1	**0L-1143**	2	BOLT (3/8-16X2.5IN)	
	11	1	**9L-9132**	1	WASHER (2.5MM THK)	
	12	1	**0S-0509**	1	BOLT (3/8-16X.75IN)	
	13	1	**3G-4214**	1	CLIP (SLOT)	
	14	1	**5M-2894**	1	WASHER (2.5MM THK)	
	15	1	**0L-1351**	1	BOLT (3/8-16X.875IN)	



GRAPHIC #1 **<END>** g00157459

COOLING SYSTEM

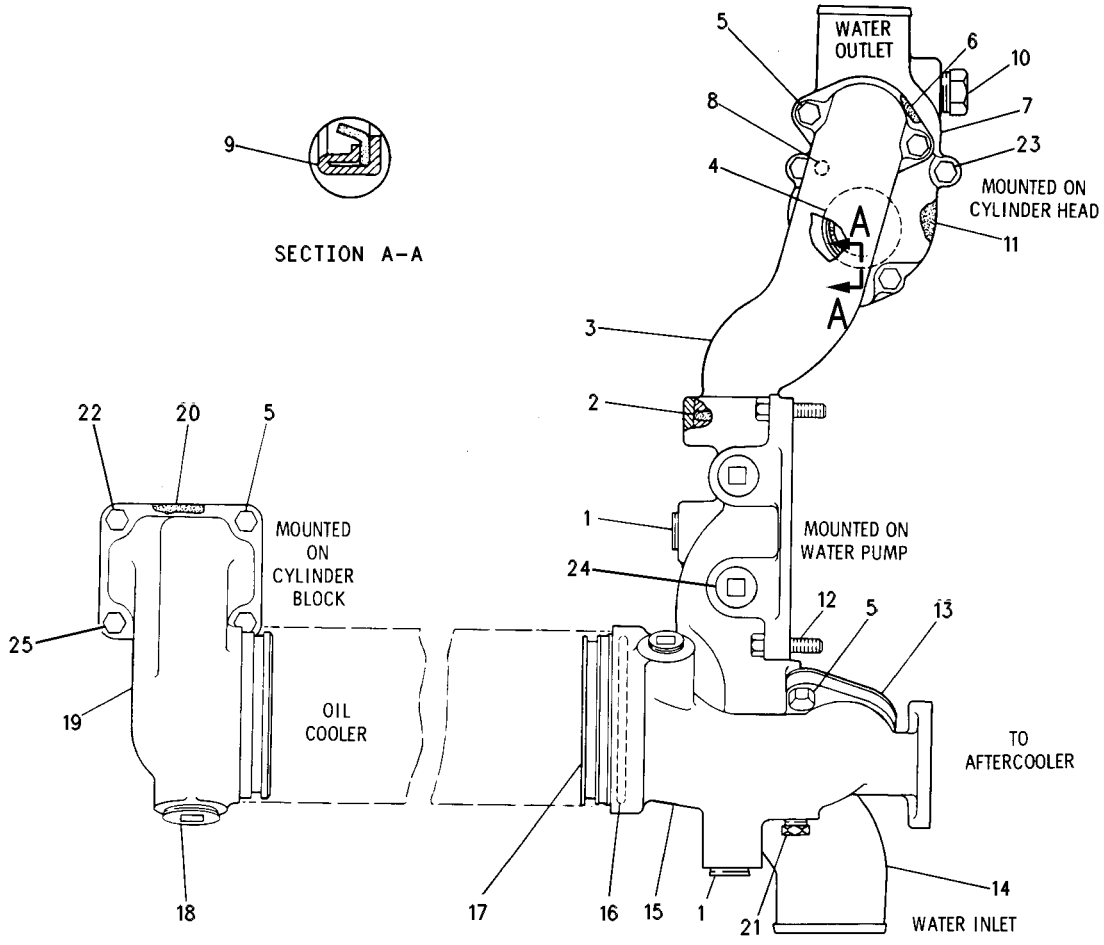
4N-1641 LINES GP-WATER

S/N: 1DZ3603-UP

SMCS-1380 **i01959321**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**7X-7731**	3	PLUG-PIPE	
	2	1	**109-0076**	1	SEAL-O-RING	
	3	1	**4N-3002**	1	ELBOW-REGULATOR BYPASS	
C	4	1	**4W-4794**	1	REGULATOR-WATER TEMPERATURE (92 DEG C.)	
C	5	1	**0S-1594**	4	BOLT (3/8-16X1 IN)	
	6	1	**7C-0307**	1	GASKET	
	7	1	**4N-0362**	1	COVER AS-REGULATOR	
	8	1	**2H-1193**	1	FERRULE	
	9	1	**3S-9643**	1	SEAL-LIP	
	10	1	**5M-6213**	1	PLUG-PIPE	
	11	1	**4N-1156**	1	GASKET-REGULATOR COVER	
	12	1	**0S-1591**	4	BOLT (3/8-16X1.5 IN)	
	13	1	**1W-2636**	1	GASKET	
C	14	1	**7N-1572**	1	COVER-WATER PUMP	
	15	1	**6N-0367**	1	BONNET-OIL COOLER	
	16	1	**109-0077**	1	SEAL-O-RING	
	17	1	**4N-6257**	1	ADAPTER	
	18	1	**8T-6761**	1	PLUG-PIPE	
	19	1	**130-8885**	1	BONNET-OUTLET	
	20	1	**4N-0641**	1	GASKET	
	21	1	**8T-6767**	1	PLUG-PIPE	
	22	1	**1A-2029**	1	BOLT (3/8-16X1.125 IN)	
	23	1	**0S-1619**	3	BOLT (3/8-16X3 IN)	
	24	1	**7X-7731**	1	PLUG-PIPE	
	25	1	**1A-2029**	3	BOLT (3/8-16X1.125 IN)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00256609

4N-9776 LINES GP-WATER

S/N: KPS1-UP

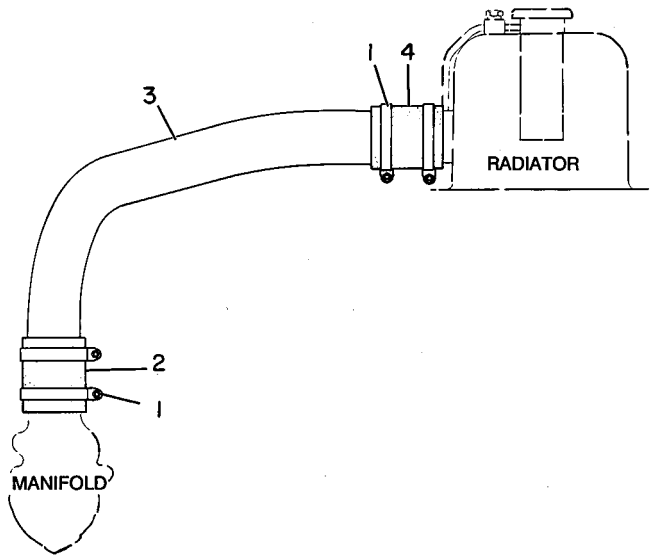
RADIATOR CONNECTION-DRY MANIFOLD

AN ATTACHMENT

SMCS-1380 **i00640620**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-4868**	4	CLAMP	
G	2	1	**2S-6658**		HOSE-COOLANT (3.5IN)	
	3	1	**4N-7937**	1	TUBE-RADIATOR INLET (30.51IN)	
G	4	1	**2S-6658**		HOSE-COOLANT (3.5IN)	

G-ORDER BY THE INCH



GRAPHIC #1 **<END>** g00141483

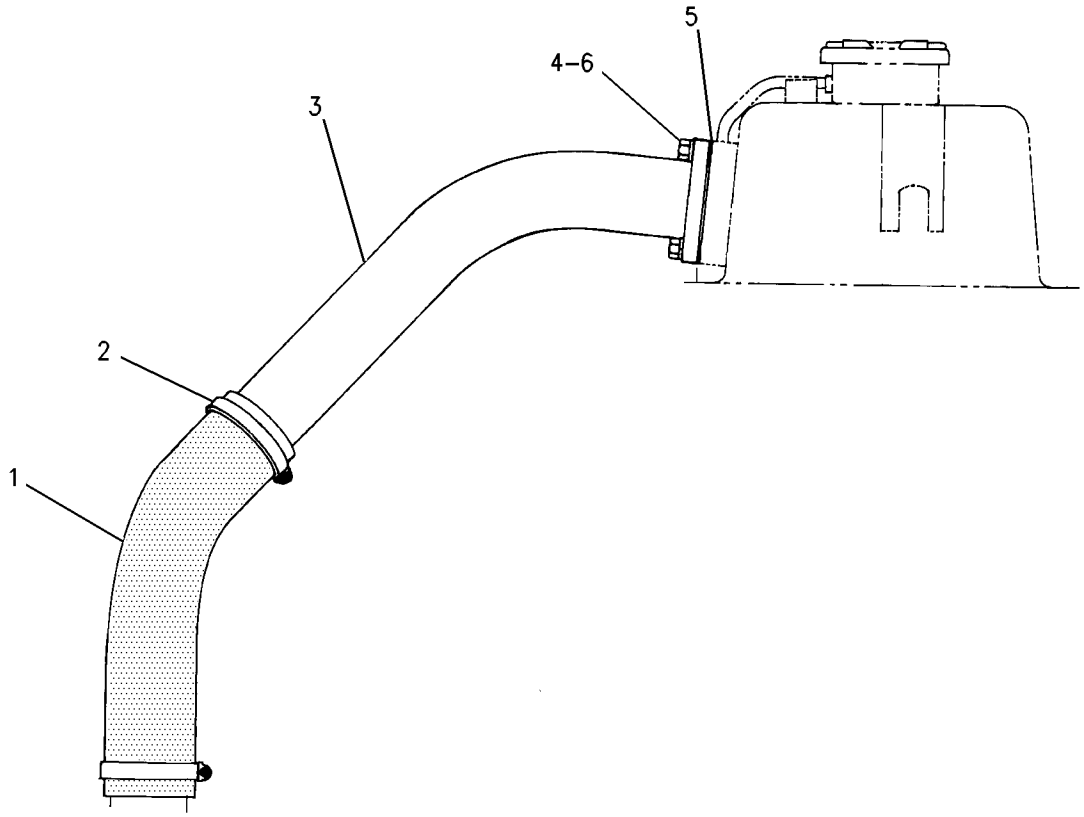
COOLING SYSTEM

4N-9778 LINES GP-WATER

S/N: KPS1-UP
RADIATOR CONNECTIONS-DRY MANIFOLD
AN ATTACHMENT

SMCS-1380 **i01372346**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-7031**	1	HOSE	
	2	1	**5P-4868**	2	CLAMP (HOSE)	
	3	1	**4N-8200**	1	TUBE AS-INLET	
	4	1	**8T-2502**	4	BOLT (3/8-16X1.125 IN)	
	5	1	**4N-1418**	1	GASKET-RADIATOR INLET	
	6	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	



GRAPHIC #1 **<END>** g00725660

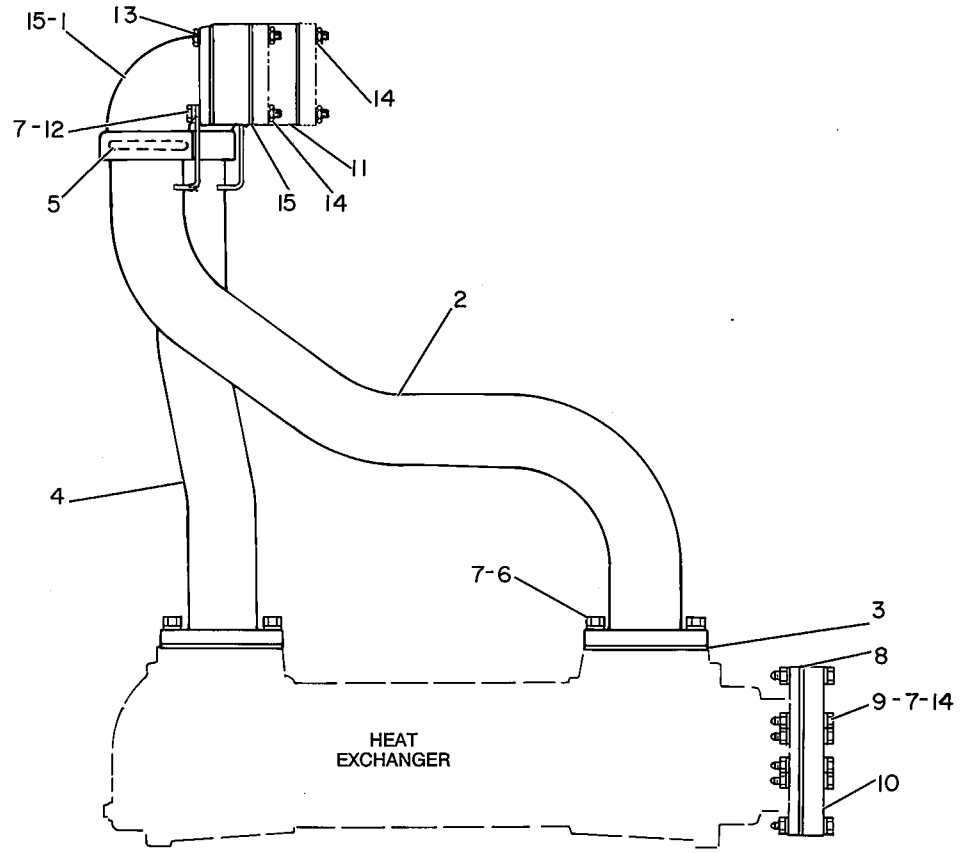
COOLING SYSTEM

5N-4710 LINES GP-WATER

S/N: KPS1-UP
HEAT EXCHANGER
FOR USE WITH FIRE PUMP ENGINES
AN ATTACHMENT

SMCS-1380 **i01946297**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-6473**	2	ELBOW-WATER TRANSFER	
	2	1	**5N-4701**	1	TUBE AS	
	3	1	**4L-3862**	2	GASKET	
	4	1	**5N-4699**	1	TUBE AS	
	5	1	**109-0079**	2	SEAL-O-RING	
	6	1	**9B-7237**	8	BOLT (3/8-16X1.25 IN)	
	7	1	**8T-4896**	28	WASHER-HARD (10.2X18.5X2.5MM THK)	
	8	1	**4F-4873**	2	GASKET	
	9	1	**8T-9377**	8	BOLT (3/8-16X2.25 IN)	
	10	1	**5N-6930**	2	FLANGE	
	11	1	**5N-2808**	2	ADAPTER	
	12	1	**7X-0290**	4	BOLT (3/8-16X3.50 IN)	
	13	1	**8T-8915**	4	BOLT (3/8-16X3.25 IN)	
	14	1	**6V-8801**	16	NUT (3/8-16 THD)	
	15	1	**2N-0931**	4	GASKET	



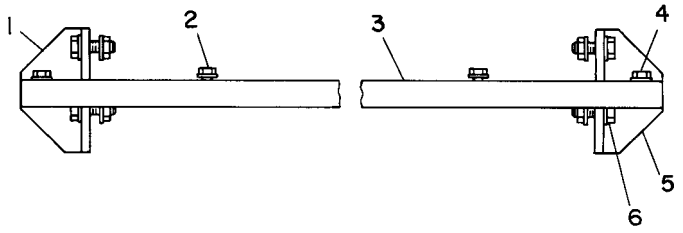
GRAPHIC #1 **<END>** g00177799

5N-4681 MOUNTING GP-HEAT EXCHANGER

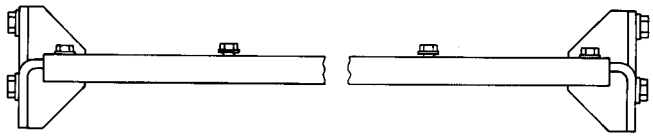
S/N: KPS1-UP
FOR USE WITH 9Y-1856—PAGE 74, FIRE PUMP ENGINES
AN ATTACHMENT

SMCS-1379 **i01946296**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-4656**	1	SUPPORT AS	
	2	1	**5S-7382**	4	BOLT (3/8-16X1.375 IN)	
		1	**9S-8752**	4	NUT-FULL (3/8-16 THD)	
		1	**8C-0566**	8	WASHER (10.2X25.5X2.5MM THK)	
	3	1	**5N-2496**	1	PLATE-EXCHANGER MOUNTING	
	4	1	**5P-2566**	4	BOLT (1/2-13X1.5 IN)	
		1	**6V-8188**	4	NUT (1/2-13 THD)	
		1	**8T-4223**	8	WASHER-HARD (13.5X25.5X3MM THK)	
	5	1	**5N-4487**	1	SUPPORT AS	
	6	1	**7X-0345**	8	BOLT (5/8-11X1.75 IN)	
		1	**7X-0448**	8	NUT (5/8-11 THD)	
		1	**8T-4122**	16	WASHER-HARD (17X32X3.5MM THK)	



SUPPORT ASSEMBLIES TO BE MOUNTED AS SHOWN
WHEN USED WITH NARROW FRONT SUPPORT



SUPPORT ASSEMBLIES TO BE MOUNTED AS SHOWN
WHEN USED WITH WIDE FRONT SUPPORT

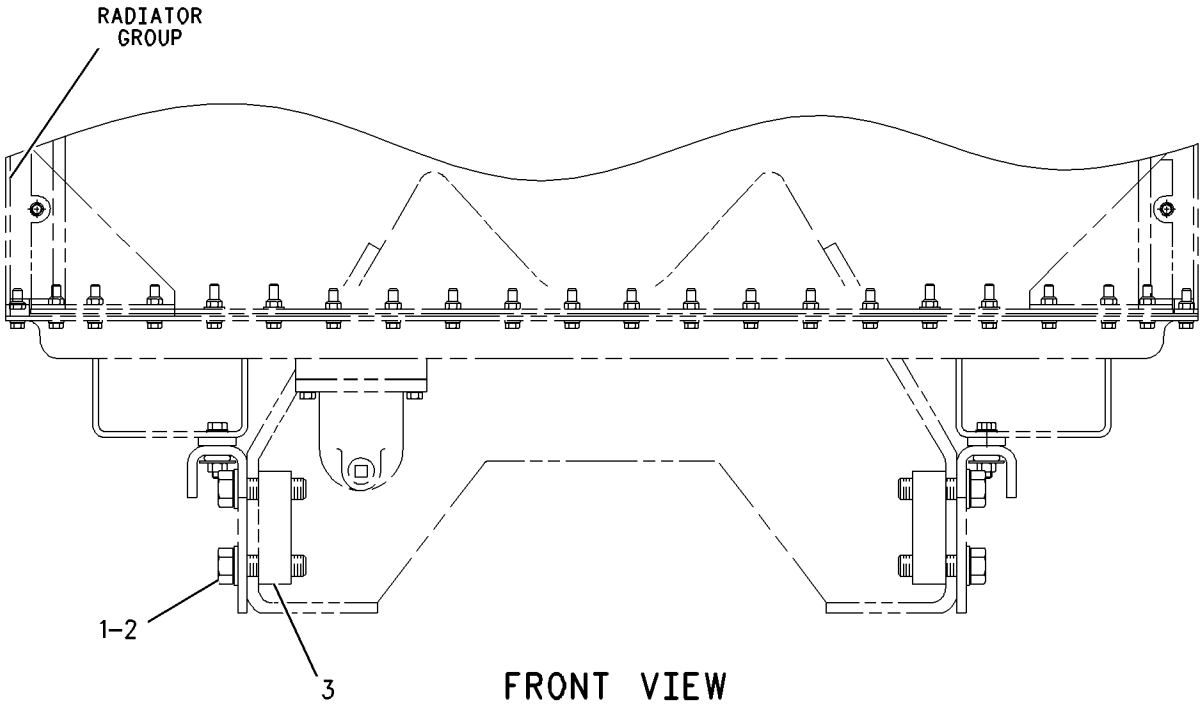
GRAPHIC #1 **<END>** g00145040

199-1430 MOUNTING GP-RADIATOR

S/N: KPS1-UP
REQUIRES RADIATOR
AN ATTACHMENT

SMCS-1353 **i01458924**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-0384**	8	BOLT (7/8-9X3IN)	
	2	1	**8C-6913**	8	WASHER-HARD (24X41.5X4MM THK)	
	3	1	**186-0712**	4	PLATE	



FRONT VIEW

GRAPHIC #1 **<END>** g00766088

COOLING SYSTEM

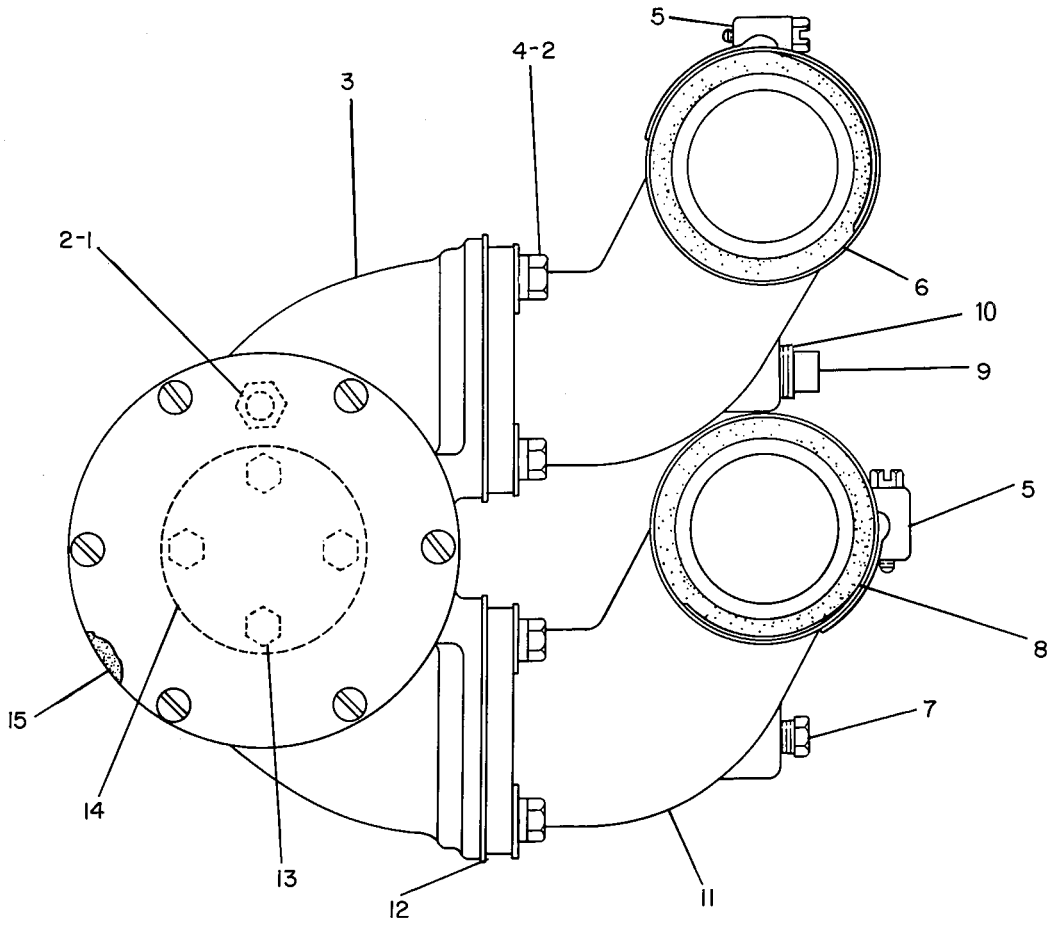
1W-8584 PUMP GP-AUXILIARY WATER

S/N: KPS1-UP
SEA WATER
AN ATTACHMENT

SMCS-1371 **i01664536**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6F-7012**	2	STUD	
		1	**9S-8752**	4	NUT-FULL (3/8-16 THD)	
	2	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
YR	3	1	**3N-4851**	1	PUMP GP-AUXILIARY WATER	120
	4	1	**1A-2029**	8	BOLT (3/8-16X1.125 IN)	
	5	1	**9M-7959**	4	CLAMP (HOSE)	
E	6	1	**5P-1261**		HOSE (12.7CM)	
	7	1	**9B-0887**	1	PLUG-PIPE	
E	8	1	**5P-1261**		HOSE (12.7CM)	
	9	1	**6L-2280**	1	ROD	
	10	1	**6L-2279**	1	PLUG-PIPE	
	11	1	**3N-4849**	2	ELBOW-WATER PUMP	
	12	1	**4L-3833**	2	GASKET	
	13	1	**1B-7182**	4	BOLT (5/16-18X1.25 IN)	
	14	1	**3N-4848**	1	ADAPTER-PUMP DRIVE	
	15	1	**3N-4850**	1	GASKET-PUMP	

E-ORDER BY THE CENTIMETER
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00234841

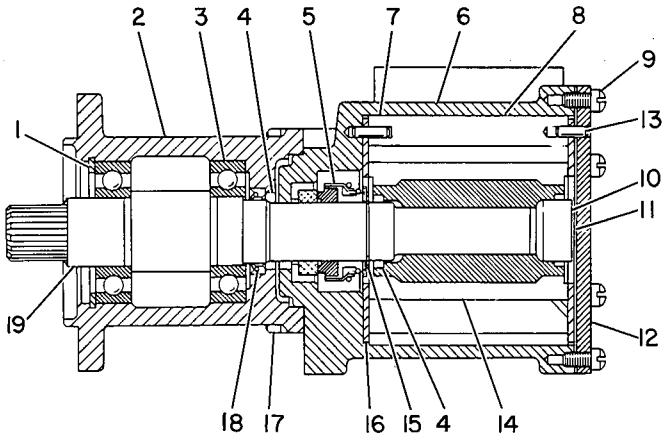
3N-4851 PUMP GP-AUXILIARY WATER

S/N: KPS1-UP
SEA WATER
PART OF 1W-8584 PUMP GP-AUXILIARY WATER
AN ATTACHMENT

SMCS-1371 **i00639940**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1L-4775**	1	RING-RETAINING	
	2	1	**3N-4857**	1	HOUSING-BEARING	
	3	1	**1B-3867**	2	BALL BEARING	
	4	1	**3N-4866**	2	SEAL-O-RING	
C	5	1	**3N-5632**	1	SEAL AS	
C	6	1	**3N-4856**	1	BODY AS	
	7	1	**3N-4855**	1	DOWEL	
	8	1	**3N-4860**	1	CAM	
	9	1	**3F-7586**	6	SCREW-MACHINE	
	10	1	**3N-7758**	1	SEAL-SPLINE	
	11	1	**3N-4861**	1	GASKET	
	12	1	**3N-4854**	1	COVER AS-END	
	13	1	**3N-4855**	1	DOWEL	
	14	1	**3N-4859**	1	IMPELLER AS	
	15	1	**3N-7759**	1	RING-RETAINING	
	16	1	**3N-4862**	2	PLATE-WEAR	
	17	1	**4M-0061**	4	BOLT (5/16-18X.750IN)	
		1	**3L-6789**	4	LOCKWASHER (.326MM ID)	
	18	1	**3N-4863**	1	SEAL	
	19	1	**3N-4858**	1	SHAFT-GOVERNOR CONTROL	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00144244

COOLING SYSTEM

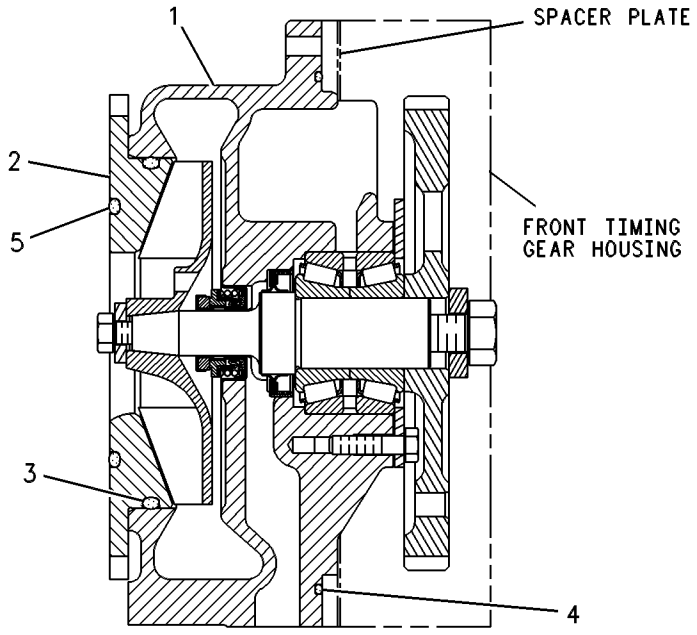
9N-3288 PUMP GP-WATER

S/N: 1DZ3603-UP

SMCS-1361 **i01263351**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CYR	1	1	**135-4926**	1	PUMP GP-WATER	122
	2	1	**7C-9222**	1	ADAPTER-INLET	
	3	1	**9M-3786**	1	SEAL-O-RING (139.06MM ID)	
	4	1	**122-3772**	1	SEAL-O-RING (215.49MM ID)	
	5	1	**109-0077**	1	SEAL-O-RING (100.97MM ID)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00109502

COOLING SYSTEM

135-4926 PUMP GP-WATER*R

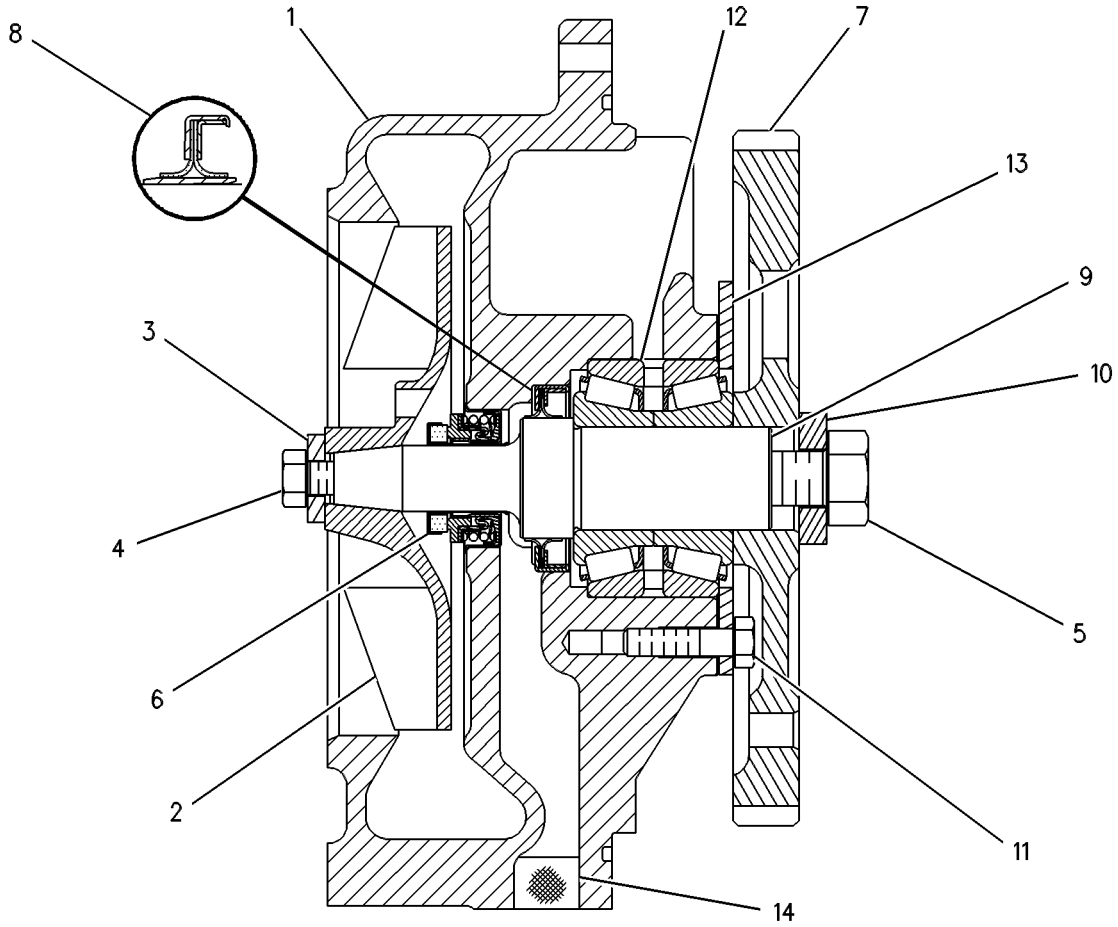
S/N: 1DZ3603-UP

PART OF 9N-3288 PUMP GP-WATER

SMCS-1361 **i01873957**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**136-1106**	1	HOUSING-WATER PUMP	
	2	1	**129-9907**	1	IMPELLER-PUMP	
J	3	1	**9M-6527**	1	WASHER-HARD (10.2X25.5X5MM THK)	
	4	1	**0S-1591**	1	BOLT (3/8-16X1.5 IN)	
	5	1	**1A-1135**	1	BOLT (5/8-11X2 IN)	
J	6	1	**128-0317**	1	SEAL GP	
	7	1	**4N-0350**	1	GEAR-WATER PUMP DRIVE (74 TEETH)	
J	8	1	**153-1256**	1	SEAL-LIP TYPE	
J	9	1	**135-4928**	1	SHAFT-WATER PUMP	
J	10	1	**5S-0581**	1	WASHER-HARD (17X38X8MM THK)	
	11	1	**1B-7182**	4	BOLT (5/16-18X1.25 IN)	
J	12	1	**108-7930**	1	BEARING AS-ROLLER	
J	13	1	**136-1107**	1	RETAINER	
J	14	1	**136-3742**	1	FILTER-WATER PUMP	
					AVAILABLE REPAIR KIT(S):	
J			**138-6744**	1	KIT-PUMP REBUILD (WATER)	
			128-2922	1	KIT-GASKET (WATER PUMP)	
					(INCLUDES SEALS-O-RING & GASKETS)	

J-KIT MARKED J INCLUDES PART(S) MARKED J



GRAPHIC #1 **<END>** g00109501

COOLING SYSTEM

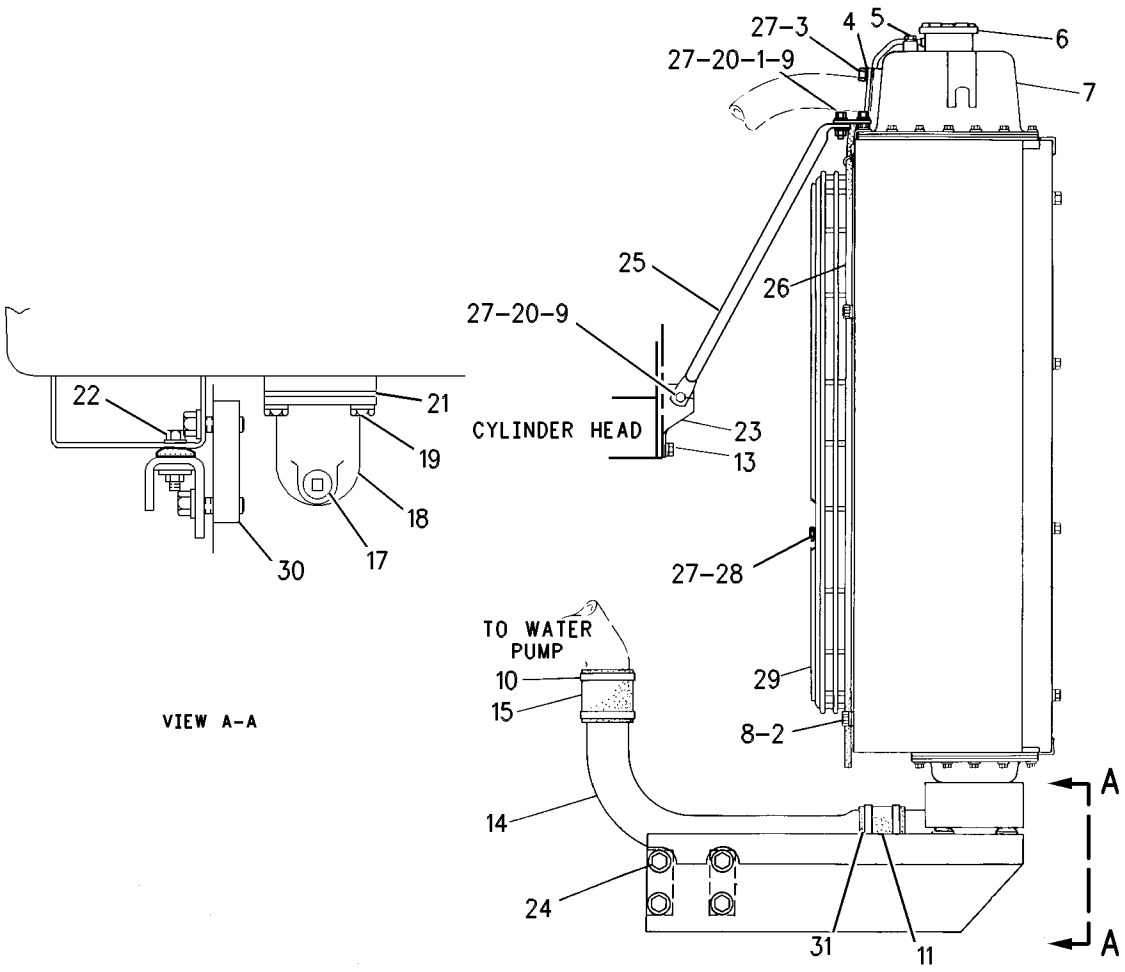
7N-9947 RADIATOR GP

S/N: KPS1-UP
1.58 SQ. METER (17 SQ. FT.) 5 ROW
AN ATTACHMENT

SMCS-1353 **i01880367**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3306**	2	PLATE-RADIATOR BRACE	
		1	**4N-0205**	4	SPACER (.42X.75X.6 IN THK)	
	2	1	**4M-0061**	20	BOLT (5/16-18X.750 IN)	
	3	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	4	1	**4L-4859**	1	COVER-TANK SIDE	
		1	**4N-1418**	1	GASKET-RADIATOR INLET	
	5	1	**5M-6214**	1	PLUG-PIPE	
	6	1	**4N-3311**	1	CAP-PRESSURE VALVE (7 PSI) (RADIATOR)	
YR	7	1	**8N-4885**	1	RADIATOR GP	128
	8	1	**7X-0579**	20	WASHER-HARD (8.8X25.5X2MM THK)	
	9	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	10	1	**5P-0598**	2	CLAMP	
E	11	1	**5P-0764**		HOSE (15CM)	
	12	1	**4W-0658**	1	SUPPORT AS-RADIATOR	
		1	**4W-0659**	1	SUPPORT AS-RADIATOR	
	13	1	**5P-2566**	4	BOLT (1/2-13X1.5 IN)	
		1	**8T-4223**	4	WASHER-HARD (13.5X25.5X3MM THK)	
	14	1	**4N-3415**	1	TUBE-RADIATOR OUTLET	
E	15	1	**5P-1265**		HOSE (13CM)	
	16	1	**1B-8471**	3	CLIP	
	17	1	**1B-5174**	1	PLUG-PIPE	
	18	1	**4N-8579**	1	ELBOW-RADIATOR OUTLET	
	19	1	**8T-8917**	4	BOLT (1/2-13X1.25 IN)	
	20	1	**2K-4973**	4	LOCKNUT (3/8-16 THD)	
	21	1	**8H-8754**	1	GASKET	
	22	1	**7X-0310**	4	BOLT (7/16-14X2 IN)	
		1	**8D-0983**	4	MOUNTING	
		1	**7X-0447**	4	NUT (7/16-14 THD)	
		1	**8T-5360**	4	WASHER (12X22.5X2.5MM THK)	
		1	**1C-1976**	4	WASHER (1.9MM THK)	
	23	1	**7N-9864**	1	BRACKET	
		1	**7N-9863**	1	BRACKET	
	24	1	**7X-0384**	8	BOLT (7/8-9X3IN)	
		1	**8C-6913**	8	WASHER-HARD (24X41.5X4MM THK)	
	25	1	**7N-9861**	1	BRACE-RADIATOR-RH	
		1	**7N-9862**	1	BRACE-RADIATOR-LH	
D	26	1	**5P-5991**		HOSE (1.9M)	
	27	1	**8T-4896**	16	WASHER-HARD (10.2X18.5X2.5MM THK)	
	28	1	**5S-7379**	4	BOLT (3/8-16X0.875 IN)	
		1	**227-4055**	2	STRAP	
	29	1	**7E-9794**	2	GUARD AS-FAN	
		1	**9F-2978**	9	NUT-WELD (3/8-16 THD)	
	30	1	**186-0712**	4	PLATE	
	31	1	**5P-1717**	2	CLAMP-HOSE	

D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00663939

8N-4880 RADIATOR GP

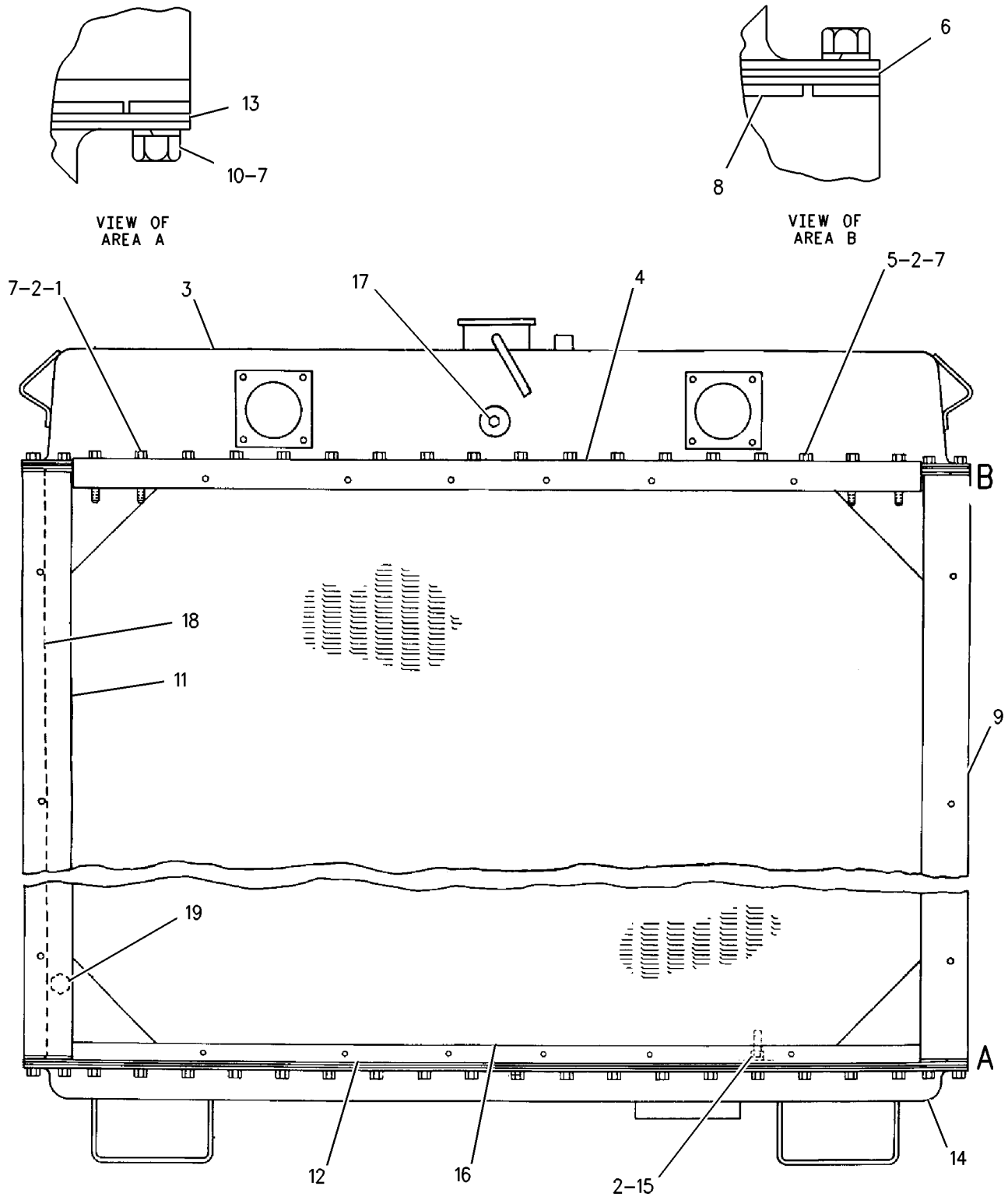
S/N: KPS1-UP
1.39 SQ METER (15 SQ FEET)
PART OF 219-6107 RADIATOR GP
AN ATTACHMENT

SMCS-1353 **i01473745**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0L-2070**	4	BOLT (3/8-16X2.25 IN)	
	2	1	**1D-4717**	78	NUT (3/8-16 THD)	
	3	1	**6N-7033**	1	TANK AS-RADIATOR TOP	
	4	1	**4N-8567**	1	BAFFLE AS-TOP	
	5	1	**0S-1588**	68	BOLT (3/8-16X1.25 IN)	
	6	1	**4N-8557**	1	GASKET-TOP TANK	
	7	1	**3B-4506**	1	LOCKWASHER	
	8	1	**4N-8566**	4	STRIP	
	9	1	**8N-4882**	1	PLATE AS-LH	
	10	1	**0S-1594**	24	BOLT (3/8-16X1 IN)	
	11	1	**8N-4881**	1	PLATE AS-RH	
	12	1	**4N-8569**	1	BAFFLE AS-BOTTOM	
	13	1	**4N-8561**	1	GASKET-BOTTOM TANK	
	14	1	**4N-8562**	1	TANK AS-RADIATOR BOTTOM	
	15	1	**3B-1915**	8	BOLT (3/8-16X1.37 IN)	
		1	**4B-4278**	8	WASHER (10.2X20.5X1.6MM THK)	
	16	1	**4N-8559**	1	CORE AS-RADIATOR	
	17	1	**5M-6213**	1	PLUG-PIPE	
	18	1	**4N-6134**	1	GUARD-RADIATOR	
	19	1	**0T-0573**	8	BOLT (3/8-16X2.75 IN)	
		1	**9L-9132**	8	WASHER (10.2X25.5X2.5MM THK)	

8N-4880 RADIATOR GP *(contd.)*

i01473745



GRAPHIC #1 **<END>** g00768713

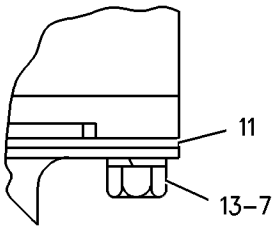
COOLING SYSTEM

8N-4885 RADIATOR GP*R

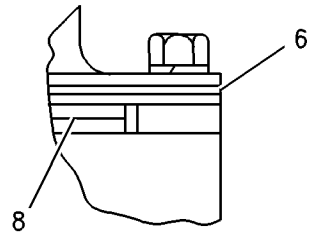
S/N: KPS1-UP
1.6 SQ METER(17.3 SQ FEET)
PART OF 224-0791, 7N-9947 RADIATOR GP
AN ATTACHMENT

SMCS-1353 **i01971443**

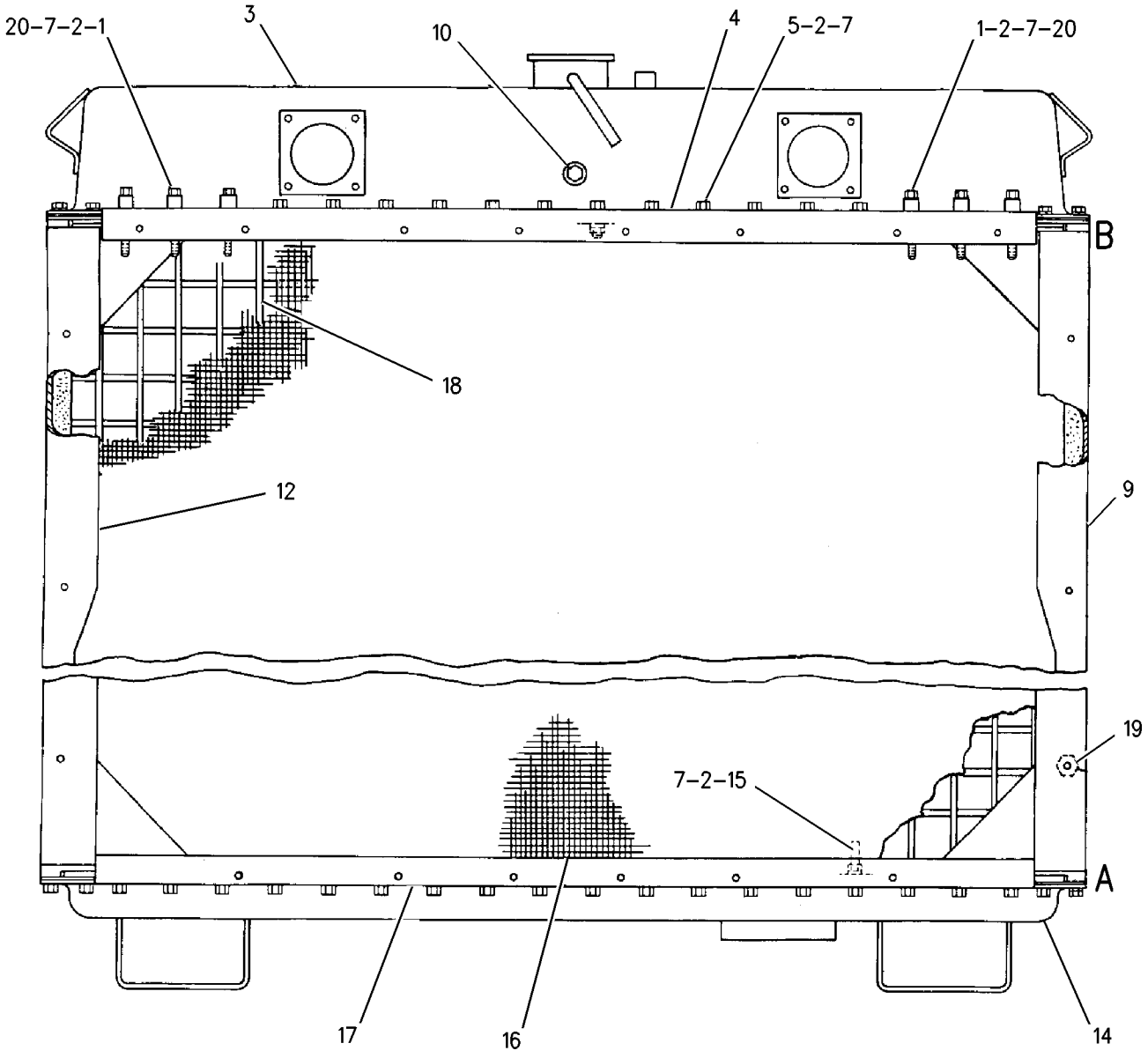
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0L-2070**	6	BOLT (3/8-16X2.25 IN)	
	2	1	**1D-4717**	78	NUT (3/8-16 THD)	
	3	1	**6N-7033**	1	TANK AS-RADIATOR TOP	
	4	1	**4N-8567**	1	BAFFLE AS-TOP	
	5	1	**0S-1588**	66	BOLT (3/8-16X1.25 IN)	
	6	1	**4N-8557**	1	GASKET-TOP TANK	
	7	1	**3B-4506**	104	LOCKWASHER	
	8	1	**4N-8566**	4	STRIP	
	9	1	**8N-4887**	1	PLATE AS-RADIATOR (RH)	
	10	1	**5M-6213**	1	PLUG-PIPE	
	11	1	**4N-8561**	1	GASKET-BOTTOM TANK	
	12	1	**8N-4886**	1	PLATE AS-RADIATOR (LH)	
	13	1	**0S-1594**	24	BOLT (3/8-16X1 IN)	
	14	1	**4N-8562**	1	TANK AS-RADIATOR BOTTOM	
	15	1	**3B-1915**	8	BOLT (3/8-16X1.75 IN)	
		1	**4B-4278**	8	WASHER (10.2X20.5X1.6MM THK)	
	16	1	**4N-8995**	1	CORE AS-RADIATOR	
	17	1	**4N-8997**	1	BAFFLE AS-BOTTOM	
	18	1	**4N-6247**	1	GUARD-RADIATOR	
	19	1	**0T-0573**	8	BOLT (3/8-16X2.75 IN)	
		1	**9L-9132**	8	WASHER (10.2X25.5X2.5MM THK)	
	20	1	**4N-0205**	6	SPACER (.42X.75X.6 IN THK)	



VIEW OF
AREA A



VIEW OF
AREA B



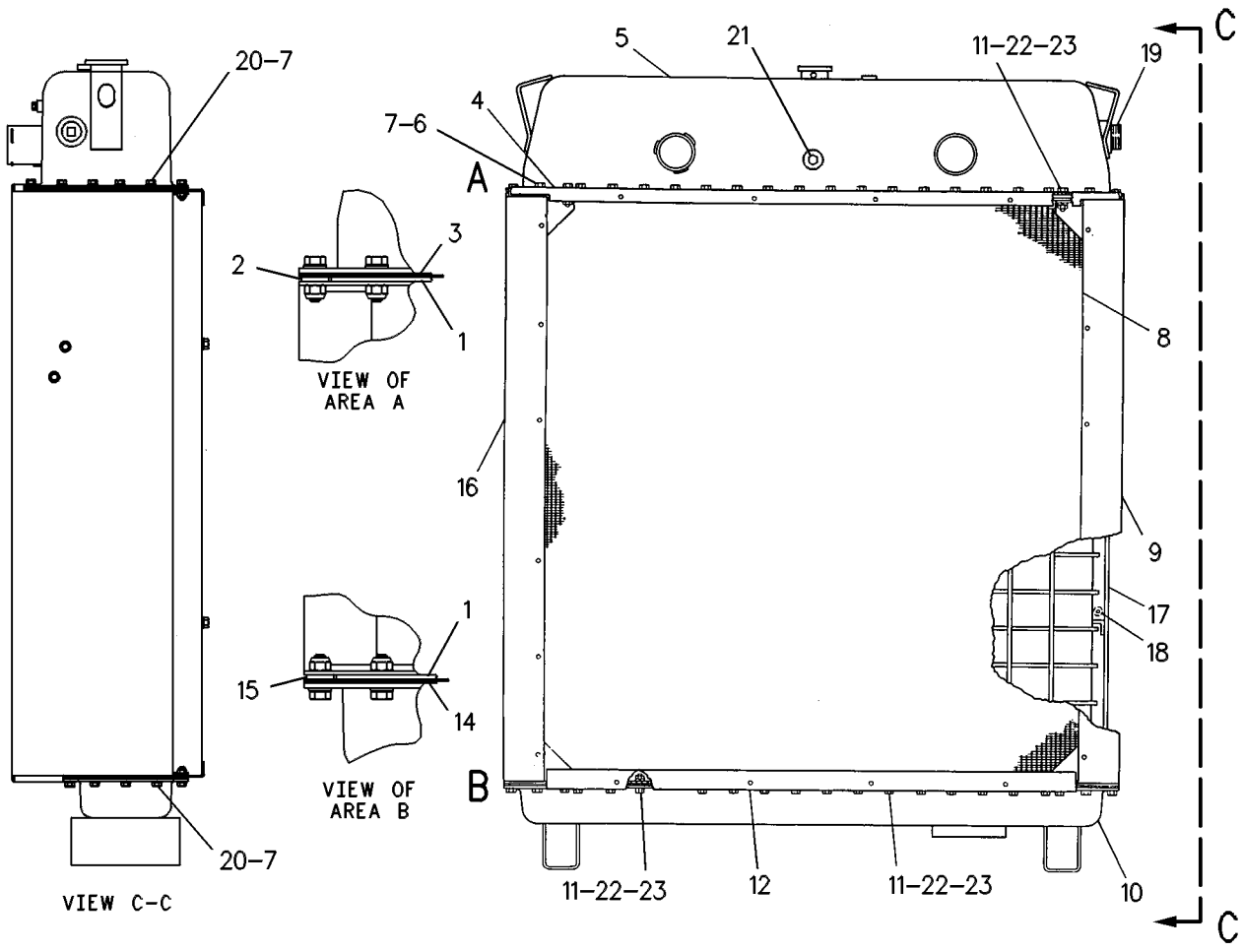
GRAPHIC #1 **<END>** g00768675

8N-8838 RADIATOR GP*R

S/N: KPS1-UP
PART OF 219-6106 RADIATOR GP
AN ATTACHMENT

SMCS-1353 **i01793924**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-8194**	4	WASHER-CORE	
	2	1	**4N-8192**	2	PLATE AS	
	3	1	**4N-8185**	1	GASKET-TOP TANK	
	4	1	**4N-8188**	1	PLATE AS-RADIATOR TOP	
	5	1	**8N-8837**	1	TANK AS-RADIATOR TOP	
	6	1	**1B-7182**	12	BOLT (5/16-18X1.25 IN)	
	7	1	**3B-4505**	20	LOCKWASHER	
	8	1	**117-3176**	1	CORE AS-RADIATOR	
	9	1	**8N-4876**	1	PLATE AS (RH)	
	10	1	**4N-8183**	1	TANK AS-RADIATOR BOTTOM	
	11	1	**0S-1618**	76	BOLT (5/16-18X1 IN)	
	12	1	**4N-8189**	1	PLATE AS-RADIATOR BOTTOM	
	13	1	**5P-4116**	8	WASHER-HARD (8.8X20.5X2MM THK)	
	14	1	**4N-8184**	1	GASKET-BOTTOM TANK	
	15	1	**4N-8193**	2	PLATE AS	
	16	1	**8N-4875**	1	PLATE AS (LH)	
	17	1	**4N-5995**	1	GUARD-RADIATOR	
	18	1	**0L-1143**	4	BOLT (3/8-16X2.50 IN)	
		1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	19	1	**8T-6761**	1	PLUG-PIPE	
	20	1	**0S-1617**	14	BOLT (5/16-18X0.75 IN)	
	21	1	**8T-6765**	1	PLUG-PIPE	
	22	1	**9M-1974**	82	WASHER-HARD (8.8X16X2MM THK)	
	23	1	**031-4155**	82	LOCKNUT (5/16-18 THD)	



GRAPHIC #1 **<END>** g00238213

COOLING SYSTEM

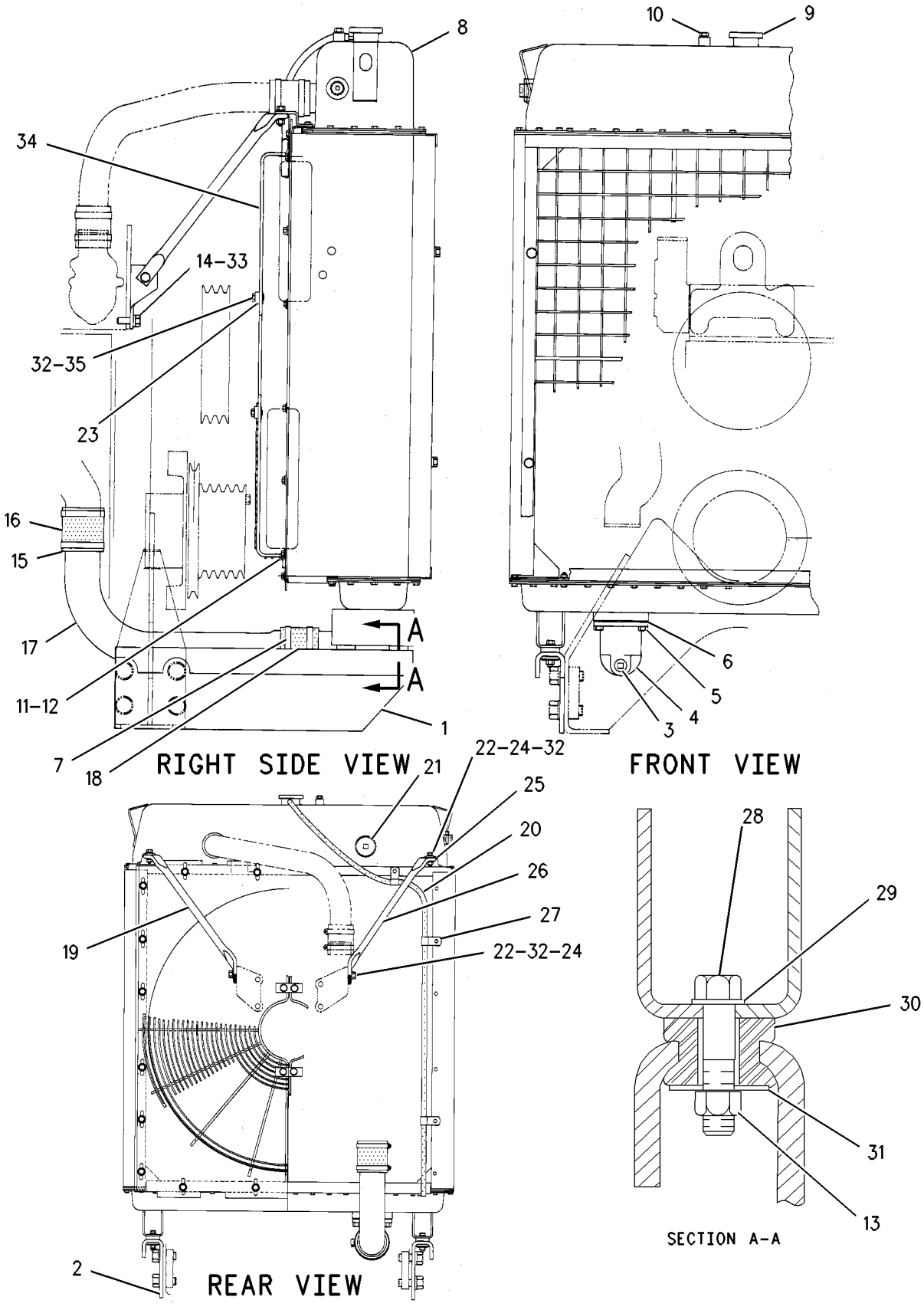
219-6106 RADIATOR GP

S/N: KPS1-UP
AN ATTACHMENT

SMCS-1353 **i01902337**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-0660**	1	SUPPORT-RADIATOR-RH	
	2	1	**4W-0663**	1	SUPPORT-RADIATOR-LH	
	3	1	**7X-7731**	1	PLUG-PIPE	
	4	1	**6L-4964**	1	ELBOW-RADIATOR OUTLET	
	5	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	6	1	**4L-4642**	1	GASKET	
	7	1	**8T-6726**	2	CLAMP-HOSE	
YR	8	1	**8N-8838**	1	RADIATOR GP	130
	9	1	**6L-8617**	1	CAP-RADIATOR	
	10	1	**8T-6764**	1	PLUG-PIPE	
	11	1	**4M-0061**	20	BOLT (5/16-18X.750 IN)	
	12	1	**7X-0579**	20	WASHER-HARD (8.8X25.5X2MM THK)	
	13	1	**7X-0447**	4	NUT (7/16-14 THD)	
	14	1	**5P-2566**	4	BOLT (1/2-13X1.5 IN)	
	15	1	**5P-0598**	2	CLAMP	
E	16	1	**7X-7893**		HOSE (13CM)	
	17	1	**4N-2985**	1	TUBE-RADIATOR OUTLET	
E	18	1	**5P-1296**		HOSE (15CM)	
	19	1	**7N-9858**	1	BRACE-RADIATOR	
D	20	1	**5P-5991**		HOSE (1.6M)	
	21	1	**9X-6138**	1	PLUG-PIPE	
	22	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	23	1	**227-4055**	2	STRAP	
	24	1	**2K-4973**	4	LOCKNUT (3/8-16 THD)	
	25	1	**4N-3032**	2	BRACKET-RADIATOR	
	26	1	**7N-9857**	1	BRACE-RADIATOR-RH	
	27	1	**1B-8471**	3	CLIP	
	28	1	**7X-0310**	4	BOLT (7/16-14X2 IN)	
	29	1	**8T-5360**	4	WASHER (12X22.5X2.5MM THK)	
	30	1	**8D-0983**	4	MOUNTING	
	31	1	**1C-1976**	4	WASHER (1.9MM THK)	
	32	1	**8T-4896**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
	33	1	**8T-4223**	4	WASHER-HARD (13.5X25.5X3MM THK)	
	34	1	**4N-2573**	2	GUARD AS-FAN	
	35	1	**5S-7379**	4	BOLT (3/8-16X0.875 IN)	

D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00874175

COOLING SYSTEM

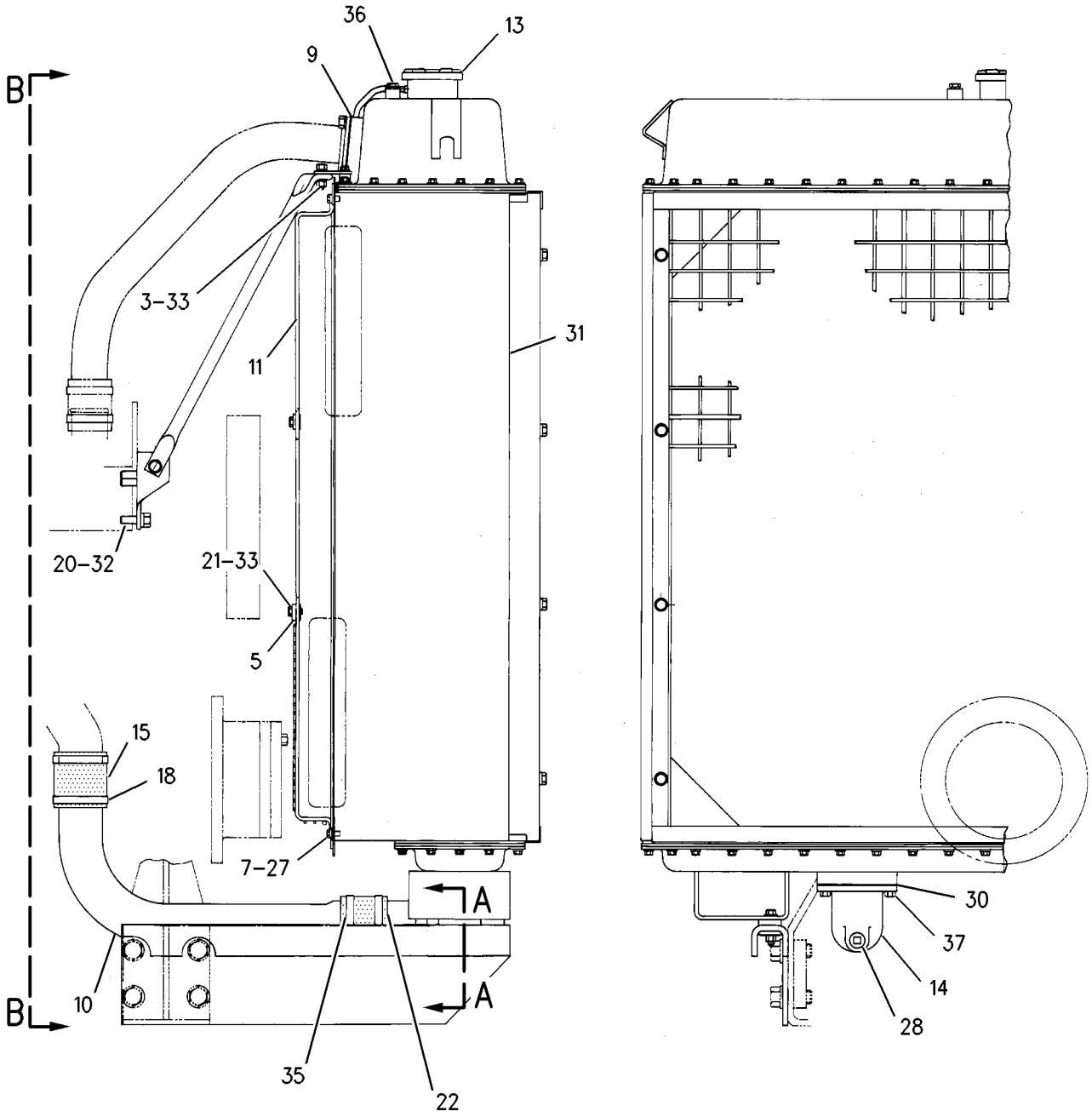
219-6107 RADIATOR GP

S/N: KPS1-UP
AN ATTACHMENT

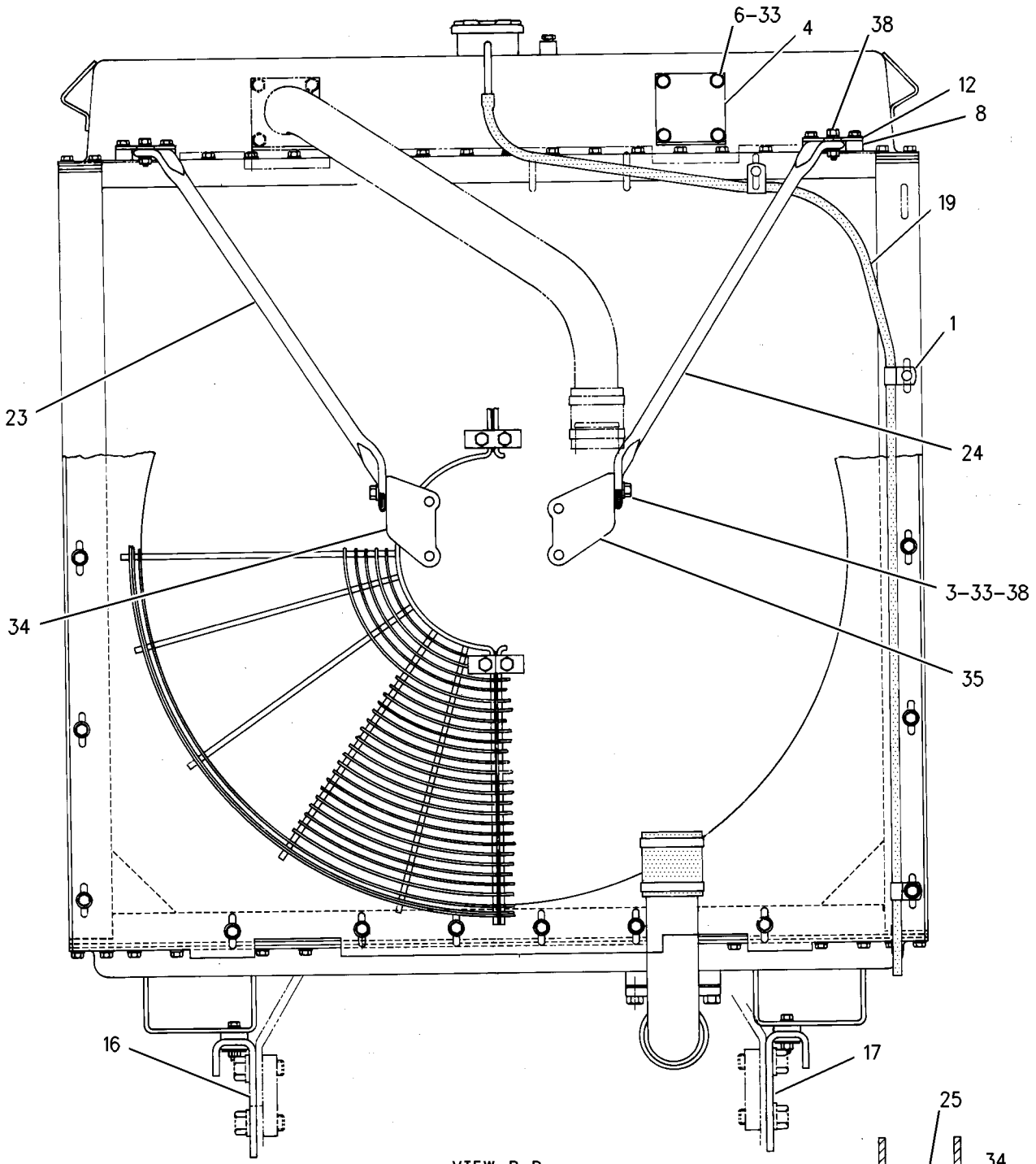
SMCS-1353 **i01963974**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**1B-8471**	3	CLIP	
	2	2	**1C-1976**	4	WASHER (1.9MM THK)	
	3	1,2	**2K-4973**	4	LOCKNUT (3/8-16 THD)	
	4	2	**4L-4859**	1	COVER-TANK SIDE	
	5	1	**227-4055**	2	STRAP	
	6	2	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	7	1	**4M-0061**	22	BOLT (5/16-18X.750 IN)	
	8	2	**4N-0205**	4	SPACER (.42X.75X.6 IN THK)	
	9	1	**4N-1418**	1	GASKET-RADIATOR INLET	
	10	1	**4N-3070**	1	TUBE-RADIATOR OUTLET	
	11	1	**4N-3095**	2	GUARD AS-FAN	
	12	2	**4N-3306**	2	PLATE-RADIATOR BRACE	
	13	1	**4N-3311**	1	CAP-RADIATOR (7 PSI)	
	14	1	**4N-8579**	1	ELBOW-RADIATOR OUTLET	
E	15	1	**7X-7893**		HOSE (13CM)	
	16	2	**4W-0661**	1	SUPPORT-RADIATOR-LH	
	17	2	**4W-0662**	1	SUPPORT-RADIATOR-RH	
	18	1	**5P-0598**	2	CLAMP	
D	19	2	**5P-5991**		HOSE (1.7M)	
	20	1	**5P-2566**	4	BOLT (1/2-13X1.5 IN)	
	21	1	**5S-7379**	4	BOLT (3/8-16X0.875 IN)	
E	22	1	**5P-1296**		HOSE (15CM)	
	23	2	**7N-9859**	1	BRACE-RADIATOR-LH	
	24	2	**7N-9860**	1	BRACE-RADIATOR-RH	
	25	2	**7X-0310**	4	BOLT (7/16-14X2 IN)	
	26	2	**7X-0447**	4	NUT (7/16-14 THD)	
	27	1	**7X-0579**	22	WASHER-HARD (8.8X25.5X2MM THK)	
	28	1	**7X-7731**	1	PLUG-PIPE	
	29	2	**8D-0983**	4	MOUNTING	
	30	1	**8N-3248**	1	GASKET	
YR	31	1	**8N-4880**	1	RADIATOR GP	126
	32	1	**8T-4223**	4	WASHER-HARD (13.5X25.5X3MM THK)	
	33	1,2	**8T-4896**	16	WASHER-HARD (10.2X18.5X2.5MM THK)	
	34	2	**8T-5360**	4	WASHER (12X22.5X2.5MM THK)	
	35	1,2	**8T-6726**	2	CLAMP-HOSE	
	36	1	**8T-6764**	1	PLUG-PIPE	
	37	1	**8T-8917**	4	BOLT (1/2-13X1.25 IN)	
	38	2	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	

D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 g00878134



GRAPHIC #2 **<END>** g00878136

COOLING SYSTEM

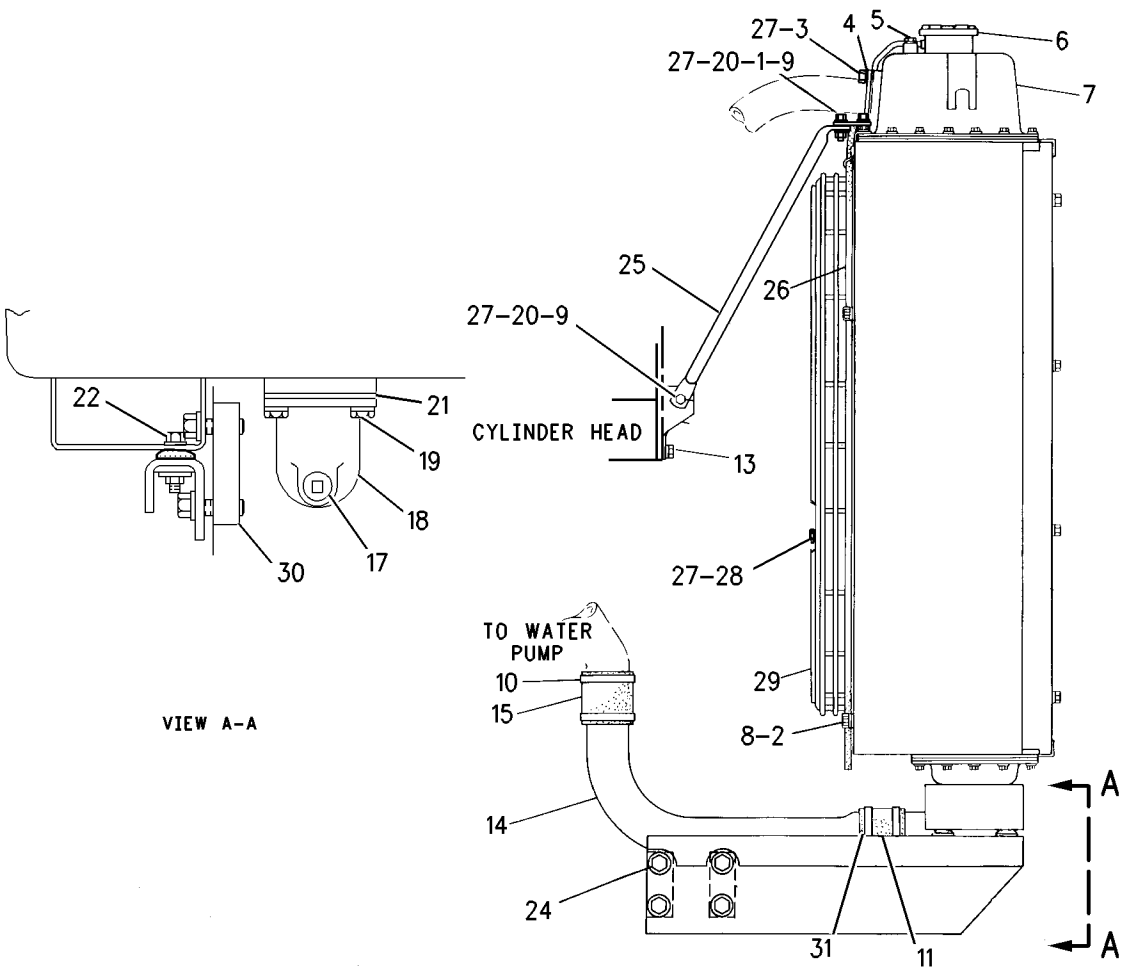
224-0791 RADIATOR GP

S/N: KPS1-UP
1.58 SQUARE METER (17 SQUARE FEET) 5 ROW
AN ATTACHMENT

SMCS-1353 **i01810911**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3306**	2	PLATE-RADIATOR BRACE	
		1	**4N-0205**	4	SPACER (.42X.75X.6 IN THK)	
	2	1	**4M-0061**	20	BOLT (5/16-18X.750 IN)	
	3	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	4	1	**4L-4859**	1	COVER-TANK SIDE	
		1	**4N-1418**	1	GASKET-RADIATOR INLET	
	5	1	**8T-6764**	1	PLUG-PIPE (1/8-27 THD)	
	6	1	**4N-3311**	1	CAP-PRESSURE VALVE (7 PSI) (RADIATOR)	
YR	7	1	**8N-4885**	1	RADIATOR GP	128
	8	1	**7X-0579**	20	WASHER-HARD (8.8X25.5X2MM THK)	
	9	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	10	1	**5P-0598**	2	CLAMP	
E	11	1	**5P-0764**		HOSE (10.46CM)	
	12	1	**4W-0658**	1	SUPPORT AS-RADIATOR	
		1	**4W-0659**	1	SUPPORT AS-RADIATOR	
	13	1	**5P-2566**	4	BOLT (1/2-13X1.5 IN)	
		1	**8T-4223**	4	WASHER-HARD (13.5X25.5X3MM THK)	
	14	1	**4N-3415**	1	TUBE-RADIATOR OUTLET	
E	15	1	**5P-1265**		HOSE (11CM)	
	16	1	**1B-8471**	3	CLIP	
	17	1	**7X-7731**	1	PLUG-PIPE (3/4-14 NPTF)	
	18	1	**4N-8579**	1	ELBOW-RADIATOR OUTLET	
	19	1	**8T-8917**	4	BOLT (1/2-13X1.25 IN)	
	20	1	**2K-4973**	4	LOCKNUT (3/8-16 THD)	
	21	1	**8H-8754**	1	GASKET	
	22	1	**7X-0310**	4	BOLT (7/16-14X2 IN)	
		1	**8D-0983**	4	MOUNTING	
		1	**7X-0447**	4	NUT (7/16-14 THD)	
		1	**8T-5360**	4	WASHER (12X22.5X2.5MM THK)	
		1	**1C-1976**	4	WASHER (1.9MM THK)	
	24	1	**7X-0384**	8	BOLT (7/8-9X3IN)	
		1	**8C-6913**	8	WASHER-HARD (24X41.5X4MM THK)	
	25	1	**7N-9861**	1	BRACE-RADIATOR-RH	
		1	**7N-9862**	1	BRACE-RADIATOR-LH	
D	26	1	**5P-5991**		HOSE (1.9M)	
	27	1	**8T-4896**	16	WASHER-HARD (10.2X18.5X2.5MM THK)	
	28	1	**5S-7379**	4	BOLT (3/8-16X0.875 IN)	
		1	**4L-5757**	2	STRAP	
	29	1	**7E-9794**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		1	**9F-2978**	9	NUT-WELD (3/8-16 THD)	
	30	1	**186-0712**	4	PLATE	
	31	1	**5P-1717**	2	CLAMP-HOSE	

D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00932932

COOLING SYSTEM

2W-7158 TANK GP-EXPANSION

S/N: KPS1-UP

FOR USE WITH WATERCOOLED OR DRY EXHAUST MANIFOLDS

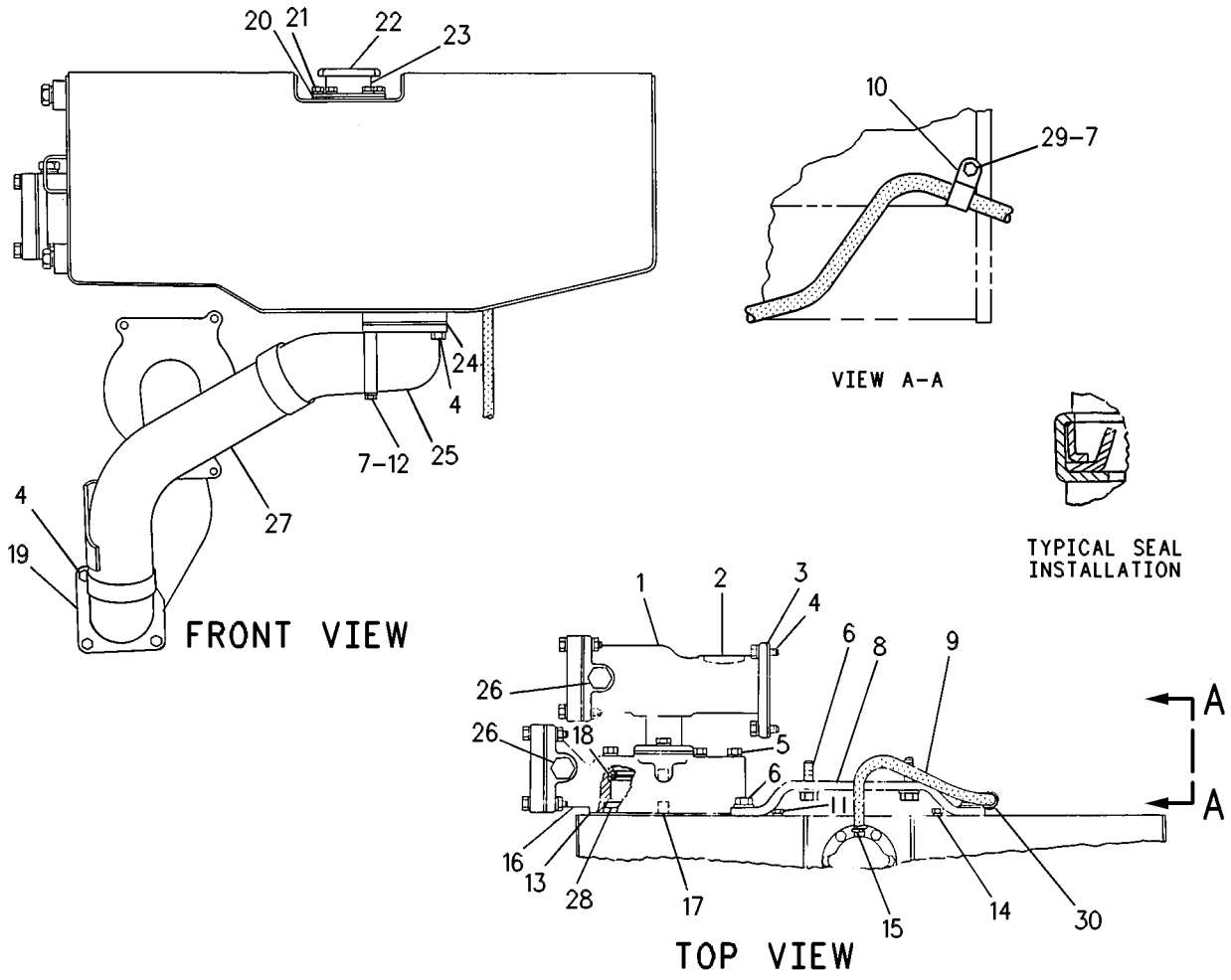
AN ATTACHMENT

SMCS-1354 **i01902286**

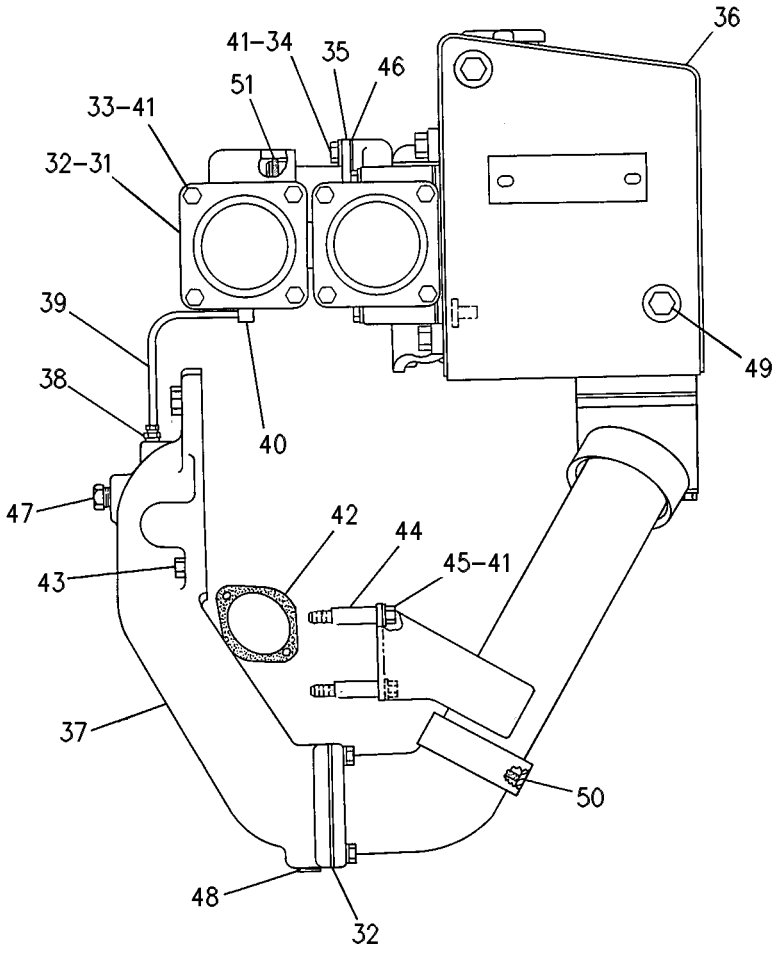
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3857**	1	PIPE-HEAD OUTLET	
B	2	1	**4F-5695**	1	PLUG-CUP	
	3	1	**4N-1156**	1	GASKET-REGULATOR COVER (EXPANSION TANK)	
	4	1	**0S-1594**	9	BOLT (3/8-16X1 IN)	
	5	1	**0S-1608**	5	BOLT (3/8-16X3.75 IN)	
	6	1	**0S-1585**	6	BOLT (1/2-13X1.50 IN)	
		1	**5P-8245**	6	WASHER-HARD (13.5X25.5X3MM THK)	
	7	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
	8	1	**4N-3863**	1	SUPPORT-EXPANSION TANK	
E	9	1	**5P-1420**		HOSE (112CM)	
	10	1	**9F-2947**	1	CLIP	
	12	1	**0T-0055**	2	BOLT (3/8-16X4.25 IN)	
	13	1	**4N-3858**	1	GASKET	
	15	1	**6L-8700**	1	CLAMP	
	16	1	**4N-3918**	1	COVER AS	
	17	1	**4M-1336**	3	FERRULE	
	18	1	**3S-9643**	2	SEAL-LIP	
	19	1	**1W-4478**	1	ELBOW	
	20	1	**4L-7636**	1	GASKET	
	21	1	**0S-1615**	6	BOLT (1/4-20X0.75 IN)	
	22	1	**6L-8617**	1	CAP-RADIATOR	
	23	1	**6L-8649**	1	NECK AS-FILLER	
	24	1	**2N-0931**	1	GASKET	
	25	1	**1W-4482**	1	ELBOW	
	27	1	**1W-4481**	1	TUBE AS	
C	28	1	**4W-4794**	2	REGULATOR-WATER TEMPERATURE (92 DEG C.) (EXPANSION TANK)	
	29	1	**0S-0509**	1	BOLT (3/8-16X0.75 IN)	
	30	1	**3D-9428**	1	CLIP	
	31	2	**5R-0066**	2	FLANGE	
	32	2	**2N-0931**	3	GASKET	
	33	2	**0S-1571**	8	BOLT (3/8-16X1.75 IN)	
		2	**9S-8752**	8	NUT-FULL (3/8-16 THD)	
	34	2	**0S-1594**	2	BOLT (3/8-16X1 IN)	
	35	2	**4N-3862**	1	ADAPTER AS	
	36	2	**1W-1430**	1	TANK AS-EXPANSION	
C		2	**5D-2643**	1	LUG	
C		2	**6J-2237**	5	BOSS-WELD	
	37	2	**4N-3065**	1	COVER-WATER PUMP	
	38	2	**6L-3616**	1	CONNECTOR	
	39	2	**4N-6643**	1	TUBE AS-VENT	
	40	2	**5K-9243**	1	ELBOW-FLARED	
C	41	2	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
	42	2	**1W-2636**	1	GASKET	
	43	2	**0S-1591**	4	BOLT (3/8-16X1.5 IN)	
CB	44	2	**2M-8545**	2	SPACER (1.56 IN LENGTH)	
C	45	2	**0T-0573**	2	BOLT (3/8-16X2.75 IN)	
	46	2	**7C-0307**	1	GASKET	
	47	2	**7W-6492**	3	PLUG-PIPE	
	48	2	**7X-7731**	1	PLUG-PIPE	
	49	2	**8T-6765**	2	PLUG-PIPE	
	50	2	**110-7753**	2	SEAL-O-RING	
	51	2	**109-0076**	1	SEAL-O-RING	

2W-7158 **TANK GP-EXPANSION** ***(contd.)*** **i01902286**

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER



GRAPHIC #1 g00432279



GRAPHIC #2 **<END>** g00432280

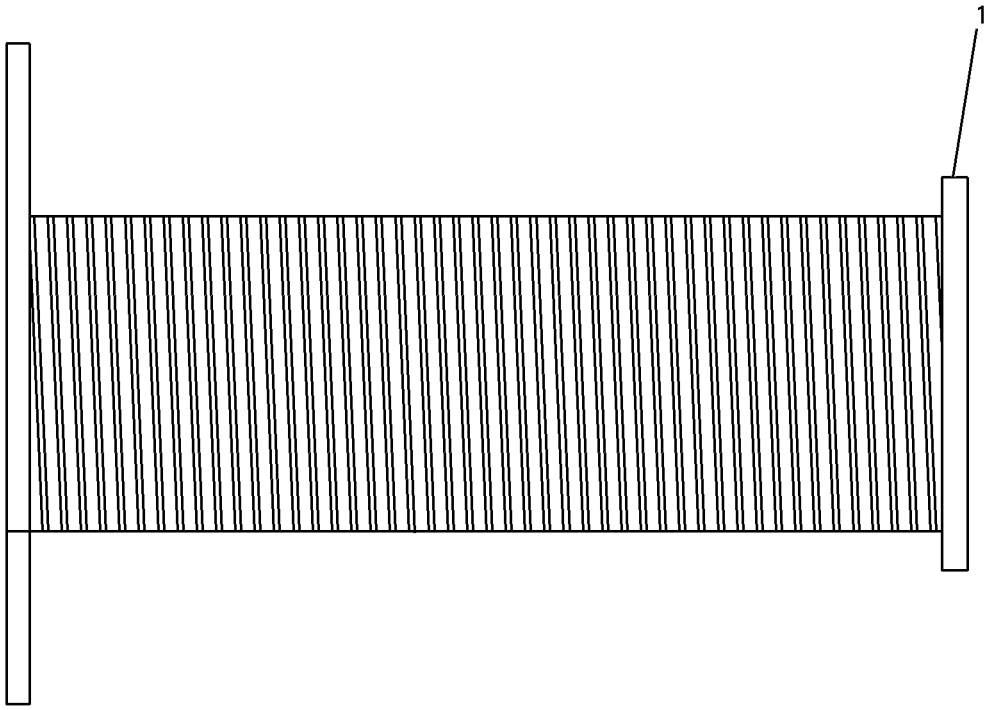
AIR INLET AND EXHAUST SYSTEM

130-7201 ADAPTER AS-EXHAUST

S/N: KPS1-UP
6 INCH
AN ATTACHMENT

SMCS-1061 **i00707051**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-4739**	1	FLANGE	



GRAPHIC #1 **<END>** g00256978

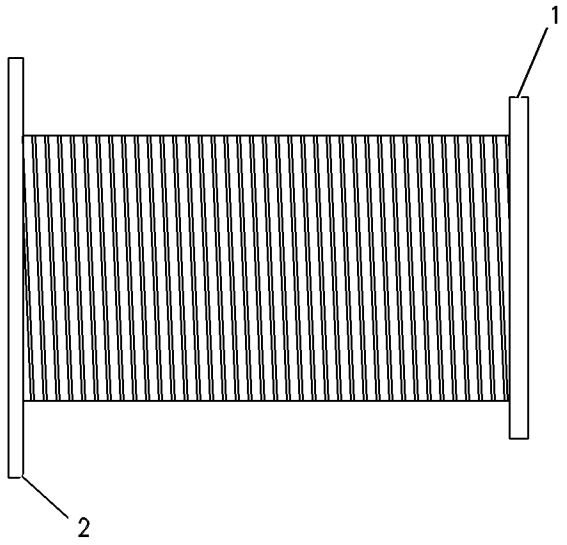
AIR INLET AND EXHAUST SYSTEM

131-1702 ADAPTER AS-EXHAUST

S/N: KPS1-UP
203 MM (8 IN)
AN ATTACHMENT

SMCS-1061 **i00707186**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-7853**	1	FLANGE-EXHAUST	
	2	1	**131-1701**	1	FLANGE	



GRAPHIC #1 **<END>** g00257604

4N-5498 ADAPTER GP-AIR CLEANER

S/N: KPS1-UP

PROVIDES A 6 INCH O.D. ADAPTER FOR PRECLEANER INSTALLATION OR CONNECTION TO REMOTE AIR SUPPLY

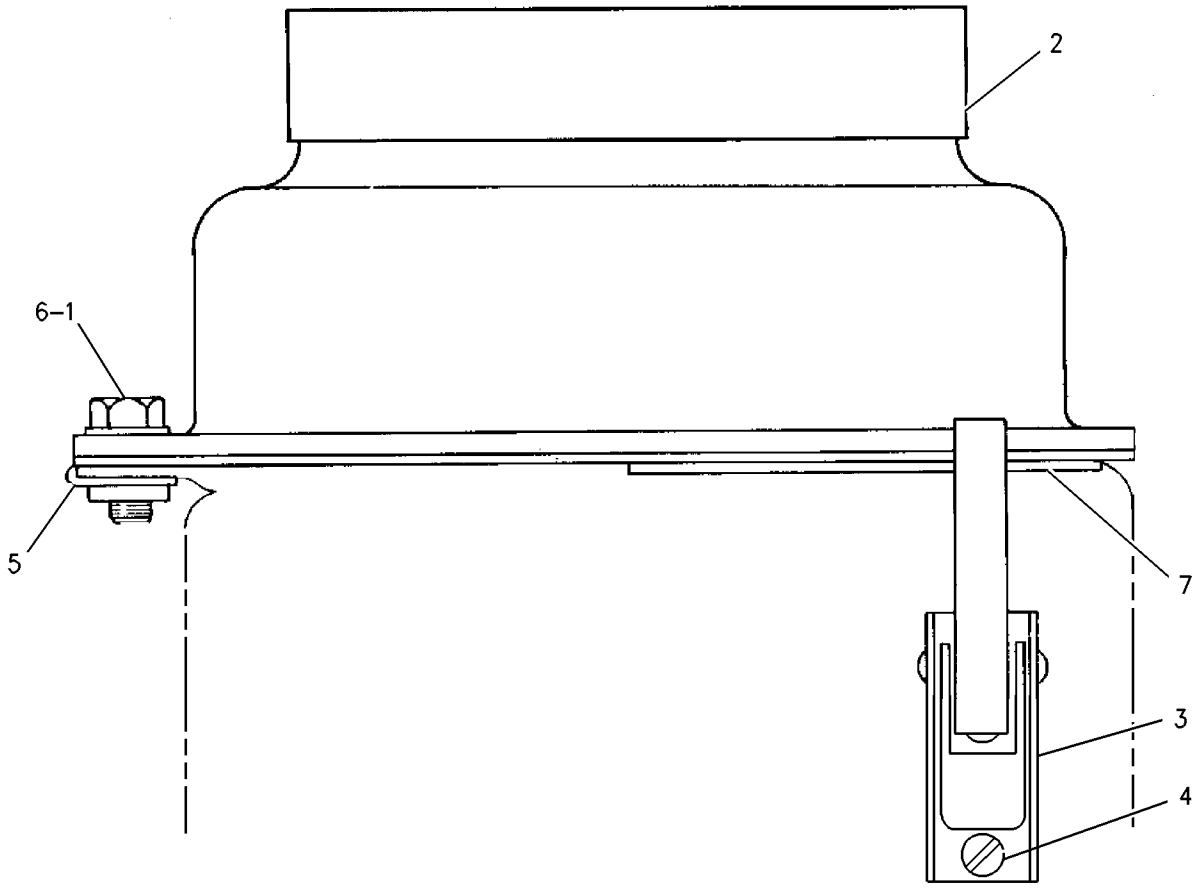
CANNOT BE USED WITH TWO STAGE AIR CLEANER

AN ATTACHMENT

SMCS-1051 **i01473669**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**5M-3062**	3	BOLT (3/8-16X0.75 IN)	
	2	1	**4N-5495**	1	ADAPTER AS	
	3	1	**4W-6548**	2	CLAMP AS	
	4	1	**2N-3480**	4	SCREW-MACHINE (10-24X0.75 IN)	
		1	**4B-2047**	4	NUT (10-24 THD)	
		1	**3B-4502**	4	LOCKWASHER	
	5	1	**2N-3385**	3	NUT-CLIP (3/8-16)	
B	6	1	**8T-4896**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
	7	1	**4N-7024**	1	GASKET	
					AVAILABLE REPAIR KIT(S):	
			8N-4617	1	KIT-AIR CLEANER CLAMP (INCLUDES CLIP AS AND RIVET)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00768975

AIR INLET AND EXHAUST SYSTEM

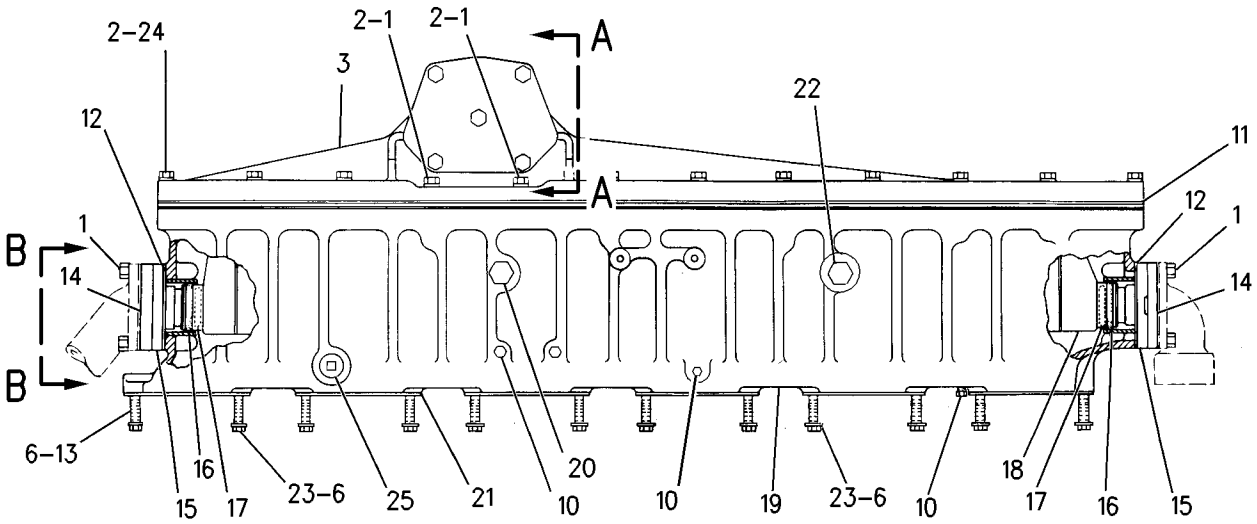
1W-8347 AFTERCOOLER GP-WATER

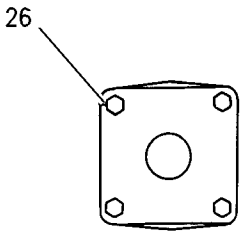
S/N: KPS1-UP; 1DZ3603-UP
ALSO AN ATTACHMENT

SMCS-1063 **i01748408**

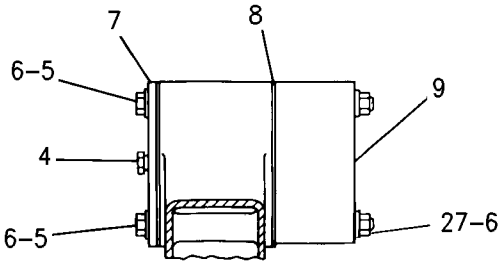
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**1B-9575**	11	BOLT (5/16-18X1.75 IN)	
	2	1	**9M-1974**	26	WASHER-HARD (8.8X16X2MM THK)	
	3	1	**8N-8099**	1	COVER-AFTERCOOLER	
					(POSITION OF COVER DETERMINED BY YOUR ENGINE OR MACHINE)	
	4	1	**8T-6765**	1	PLUG-PIPE	
	5	1	**9F-8999**	4	BOLT (3/8-16X7 IN)	
	6	1	**5M-2894**	20	WASHER-HARD (10.2X18.5X2.5MM THK)	
	7	1	**1W-0512**	1	COVER-AFTERCOOLER	
	8	1	**7W-0688**	2	GASKET-ADAPTER	
	9	1	**8N-8100**	1	ADAPTER	
B	10	1	**8T-6764**	4	PLUG-PIPE	
	11	1	**153-5484**	2	GASKET-AFTERCOOLER	
	12	1	**6L-9589**	2	GASKET	
	13	1	**5D-9844**	1	BOLT-LOCKING (3/8-16X2 IN)	
	14	1	**4W-4775**	2	ADAPTER	
	15	1	**4N-4193**	2	ADAPTER	
	16	1	**109-0078**	2	SEAL-O-RING	
	17	1	**5P-7204**	2	SEAL-O-RING	
	18	1	**1W-4879**	1	CORE AS-AFTERCOOLER	
	19	1	**8N-8098**	1	HOUSING-AFTERCOOLER	
B	20	1	**7W-6492**	1	PLUG-PIPE	
	21	1	**2N-8204**	6	GASKET	
	22	1	**3E-7430**	1	PLUG-PIPE	
	23	1	**031-0219**	11	BOLT-LOCKING (3/8-16X1.75IN)	
C	24	1	**5B-5620**	21	BOLT (5/16-18X2.125 IN)	
	25	1	**8T-6762**	1	PLUG-PIPE	
C	26	1	**1B-9575**	1	BOLT (5/16-18X1.75 IN)	
					-OR-	
C		1	**5B-5620**	1	BOLT (5/16-18X2.125 IN)	
	27	1	**9S-8752**	4	NUT-FULL (3/8-16 THD)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE





VIEW B-B



VIEW A-A

GRAPHIC #1 **<END>** g00819849

AIR INLET AND EXHAUST SYSTEM

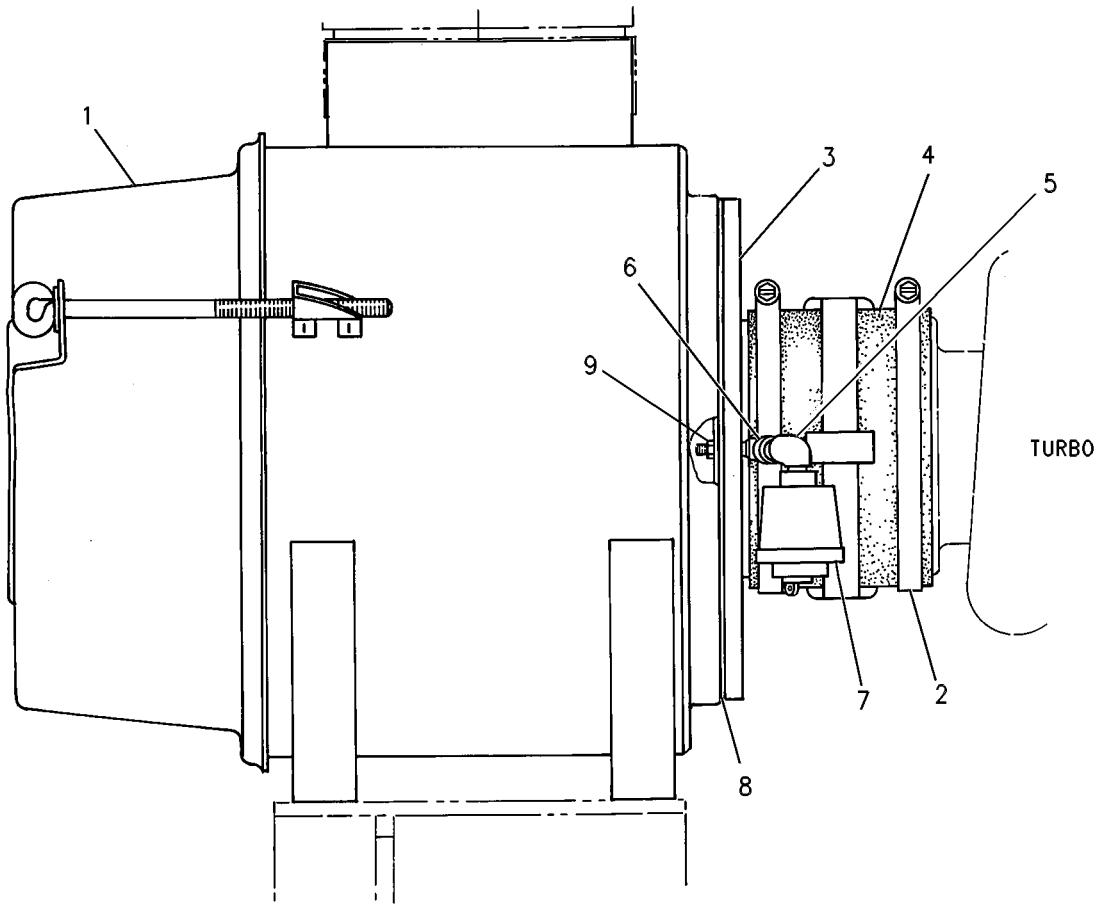
1W-4878 AIR CLEANER GP

S/N: KPS1-UP
HEAVY DUTY-DIRECT INJECTION TURBOCHARGED AFTERCOOLED
CANNOT BE USED WITH AN ENCLOSURE
AN ATTACHMENT

SMCS-1051, 1054 **i00640195**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	**6I-2593**	1	AIR CLEANER GP	149
	2	1	**5P-3860**	2	CLAMP-HOSE	
	3	1	**1W-7303**	1	ADAPTER AS	
	4	1	**1W-7306**	1	HOSE	
	5	1	**3B-6552**	1	ELBOW	
		1	**5L-3233**	1	FITTING	
	6	1	**8L-5008**	1	ELBOW-PIPE	
	7	1	**8N-2694**	1	INDICATOR-AIR FILTER SERVICE	
	8	1	**1P-9390**	1	GASKET-OUTLET	
	9	1	**2K-4973**	10	LOCKNUT (3/8-16 THD)	
C		1	**8T-4896**	10	WASHER-HARD (2.5MM THK)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00254092

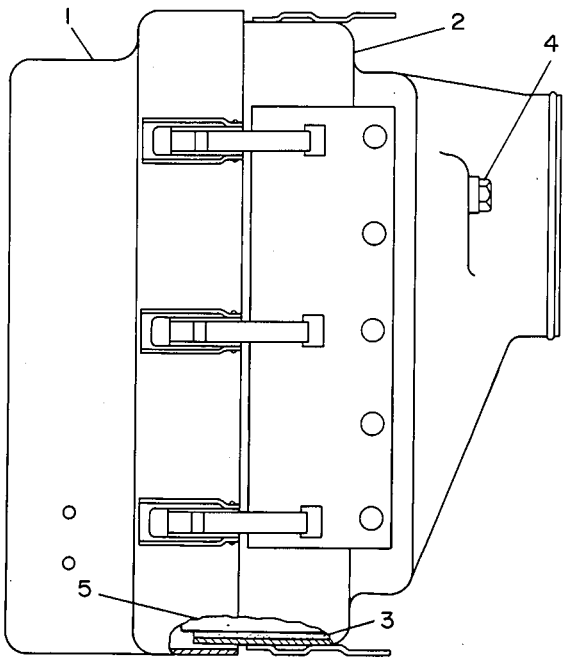
4N-0878 AIR CLEANER GP

S/N: KPS1-UP
PART OF 7C-0088, 8N-6115 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054 **i01963701**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0045**	1	COVER AS-AIR CLEANER	
C		1	**8N-4455**	6	CLAMP AS	
C	2	1	**6N-5579**	1	HOUSING AS	
BD	3	1	**5P-0801**		SEAL	
	4	1	**5M-6214**	1	PLUG-PIPE	
	5	1	**4N-0015**	1	FILTER-AIR	
					AVAILABLE REPAIR KIT(S):	
C			**8N-4617**	1	KIT-AIR CLEANER CLAMP	
					(INCLUDES CLIP AS AND RIVET)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER



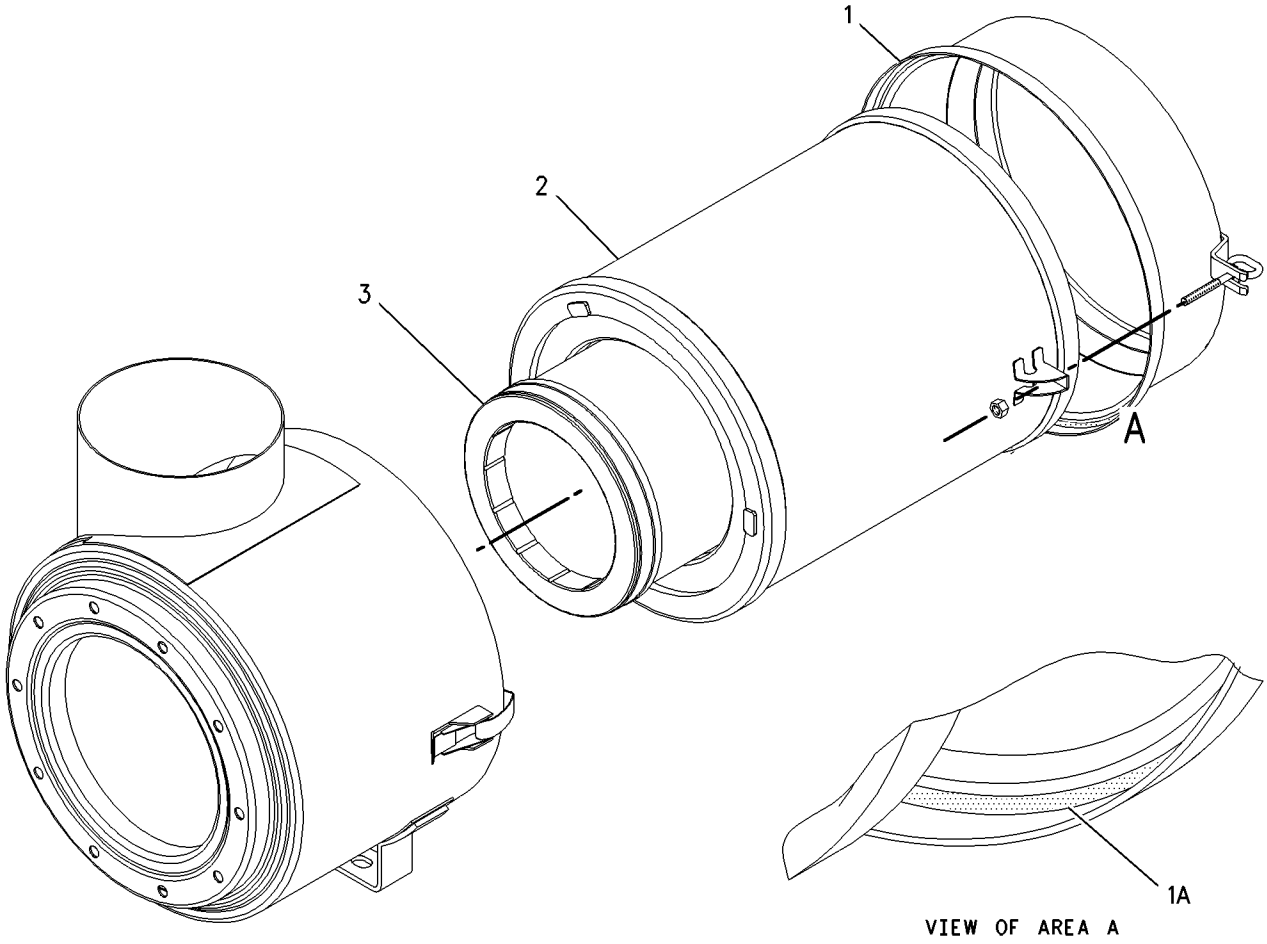
GRAPHIC #1 **<END>** g00179984

6I-2593 AIR CLEANER GP

S/N: KPS1-UP
BASIC
PART OF 1W-4878 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054 **i01701150**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-6223**	1	CUP AS-AIR CLEANER	
	1A	1	**6N-7692**	1	GASKET	
	2	1	**6I-2507**	1	ELEMENT AS-PRIMARY	
	3	1	**6I-2508**	1	ELEMENT AS-SECONDARY	



GRAPHIC #1 **<END>** g00876201

AIR INLET AND EXHAUST SYSTEM

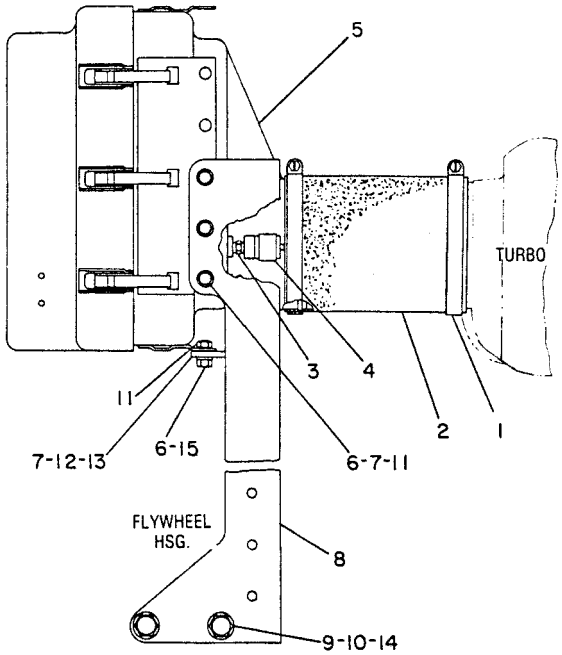
7C-0088 AIR CLEANER GP

S/N: KPS1-UP
152.4 MM (6 IN) NOMINAL O.D. TURBO COMPRESSOR AIR INLET
AN ATTACHMENT

SMCS-1051, 1054 **i01390866**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-3860**	2	CLAMP-HOSE	
	2	1	**8N-6116**	1	HOSE	
	3	1	**5L-3233**	1	FITTING	
	4	1	**7S-0687**	1	INDICATOR-AIR FILTER SERVICE	
Y	5	1	**4N-0878**	1	AIR CLEANER GP	148
	6	1	**0S-0509**	6	BOLT (3/8-16X.75 IN)	
	7	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5MM THK)	
	8	1	**7C-0052**	1	BRACKET-SUPPORT	
	9	1	**8S-9092**	2	BOLT (5/8-11X2.25IN)	
	10	1	**5P-8247**	2	WASHER-HARD (17X32X3.5MM THK)	
	11	1	**2N-3385**	6	NUT-CLIP (3/8-16)	
	12	1	**0S-1588**	4	BOLT (3/8-16X1.25 IN)	
	13	1	**7C-0092**	1	BRACKET AS-SUPPORT	
	14	1	**9M-7783**	2	SPACER (0.81MM THK)	
	15	1	**9L-9132**	3	WASHER (10.2X25.5X2.5MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00179323

8N-6115 AIR CLEANER GP

S/N: KPS1-UP

FOR USE WITH DRY EXHAUST MANIFOLD & 152.4 MM (6 IN) NOMINAL O.D. TURBO COMPRESSOR

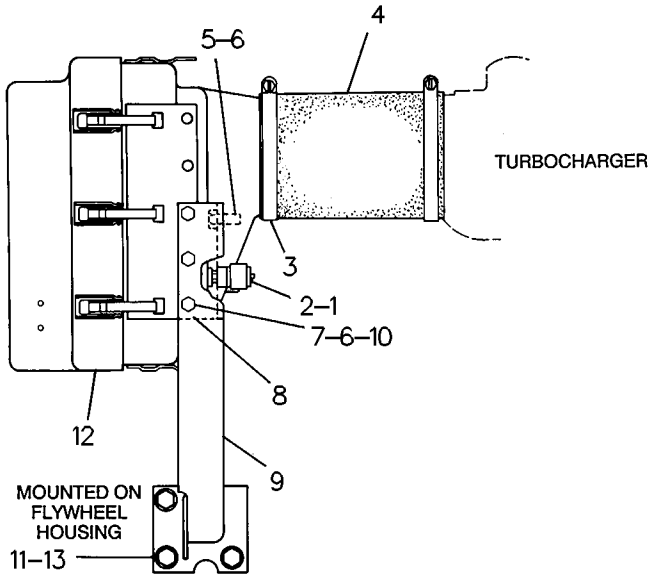
AIR INLET

AN ATTACHMENT

SMCS-1051, 1054 **i01371036**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-3233**	1	FITTING	
	2	1	**7S-0687**	1	INDICATOR-AIR FILTER SERVICE	
	3	1	**5P-3860**	2	CLAMP-HOSE	
	4	1	**8N-6116**	1	HOSE	
	5	1	**9B-7237**	6	BOLT (3/8-16X1.25 IN)	
	6	1	**8T-4896**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
	7	1	**5M-3062**	6	BOLT (3/8-16X.75 IN)	
	8	1	**4N-6268**	1	BRACKET AS	
	9	1	**4N-6237**	1	SUPPORT AS-AIR CLEANER	
	10	1	**2N-3385**	6	NUT-CLIP (3/8-16)	
	11	1	**7X-0591**	3	WASHER-HARD (3.0MM THK)	
Y	12	1	**4N-0878**	1	AIR CLEANER GP	148
	13	1	**7X-0343**	3	BOLT (5/8-11X1.25IN)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00230521

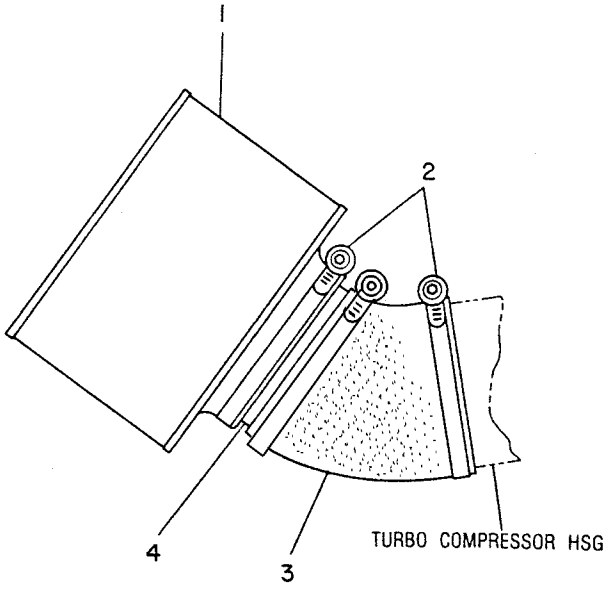
AIR INLET AND EXHAUST SYSTEM

9Y-6103 AIR CLEANER GP

S/N: KPS1-UP
FOR USE WITH INSIDE AN ENCLOSED ATMOSPHERE
AN ATTACHMENT

SMCS-1051, 1054 **i01646883**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-1572**	1	ELEMENT AS-PRIMARY	
	2	1	**8T-4988**	3	CLAMP-HOSE	
	3	1	**9Y-6102**	1	ELBOW	
	4	1	**9Y-6180**	1	TUBE	



GRAPHIC #1 **<END>** g00201488

AIR INLET AND EXHAUST SYSTEM

7S-4411 CAP AS-RAIN

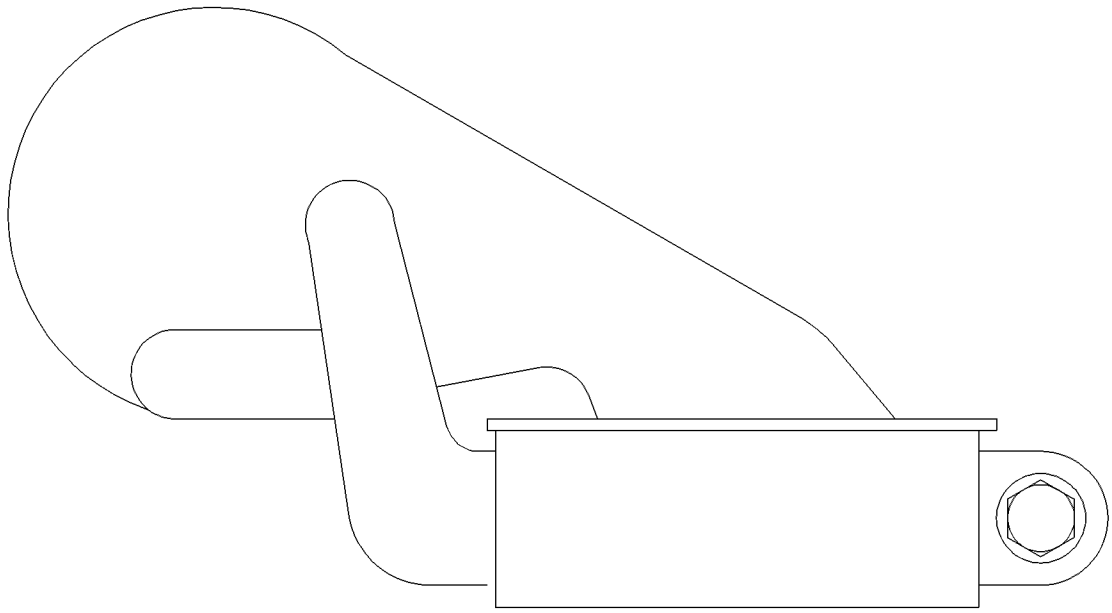
S/N: KPS1-UP

FOR USE WITH 6 INCH (152.4MM) DIAMETER EXHAUST

AN ATTACHMENT

SMCS-1072 **i01297417**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00595606

AIR INLET AND EXHAUST SYSTEM

1W-1053 CARTRIDGE GP-TURBOCHARGER*R

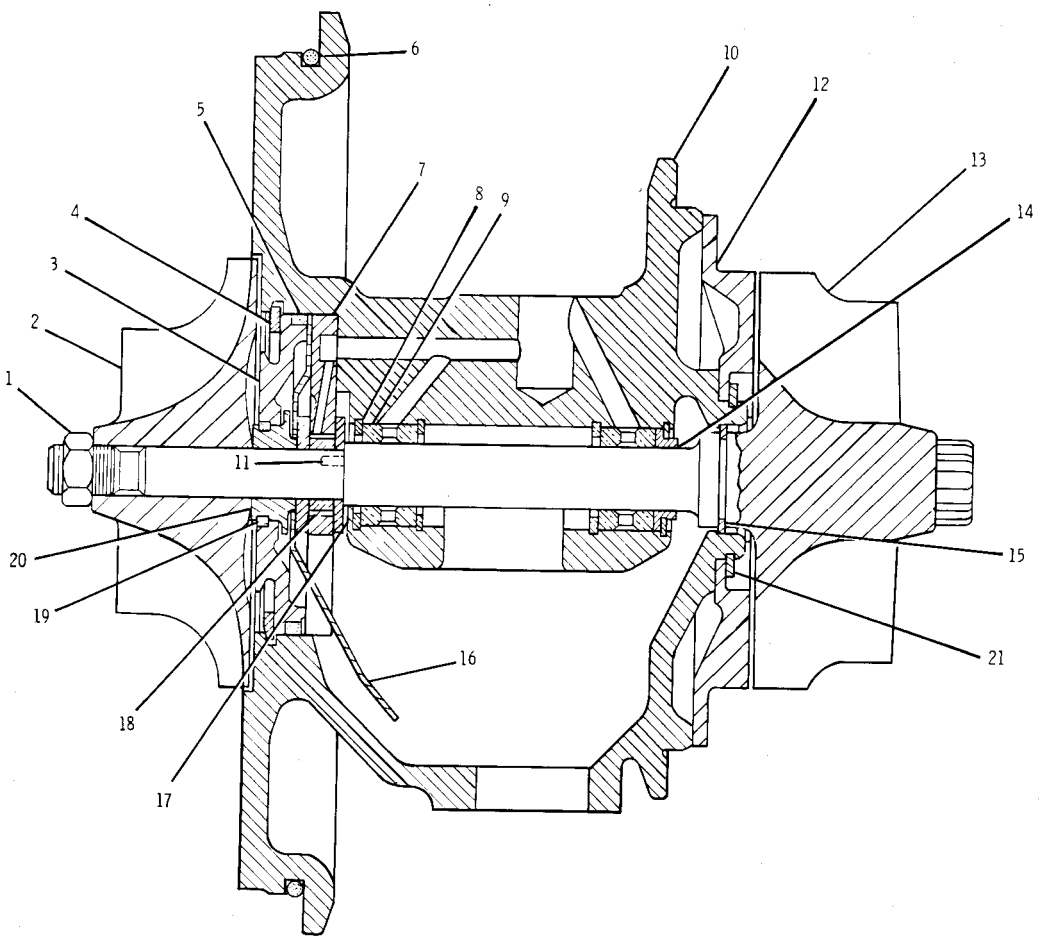
S/N: 1DZ3603-UP

PART OF 1W-1052 TURBOCHARGER GP

SMCS-1053 **i01957806**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-0239**	1	NUT-TURBO COMPRESSOR	
	2	1	**7N-9565**	1	WHEEL-COMPRESSOR	
	3	1	**5S-4556**	1	INSERT	
	4	1	**5S-4546**	1	RING-RETAINING	
J	5	1	**5P-5757**	1	SEAL-O-RING	
J	6	1	**5S-4554**	1	SEAL-O-RING	
	7	1	**4N-7597**	1	BEARING AS	
J	8	1	**4M-6983**	4	RING-RETAINING	
J	9	1	**5S-4557**	2	BEARING	
	10	1	**1W-1055**	1	HOUSING AS-BEARING	
	11	1	**5S-5199**	1	PIN-GROOVED	
	12	1	**4N-9556**	1	SHROUD	
R	13	1	**9S-8993**	1	WHEEL AS	
J	14	1	**5S-4551**	1	SLEEVE-OIL CONTROL	
J	15	1	**7N-2856**	1	RING-SEAL	
	16	1	**5S-4549**	1	DEFLECTOR-OIL	
	17	1	**4N-7609**	2	RING-THRUST	
	18	1	**5S-4547**	1	SLEEVE-SPACER	
J	19	1	**4M-8013**	2	RING-PISTON	
	20	1	**8S-9222**	1	SLEEVE	
	21	1	**4M-6990**	1	RING-SNAP	
					AVAILABLE REPAIR KIT(S):	
CJ			**2W-0725**	1	KIT-CARTRIDGE (TURBOCHARGER)	

C-CHANGE FROM PREVIOUS TYPE
J-KIT MARKED J INCLUDES PARTS MARKED J
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00157942

AIR INLET AND EXHAUST SYSTEM

1W-3729 CARTRIDGE GP-TURBOCHARGER

S/N: 1DZ3603-UP

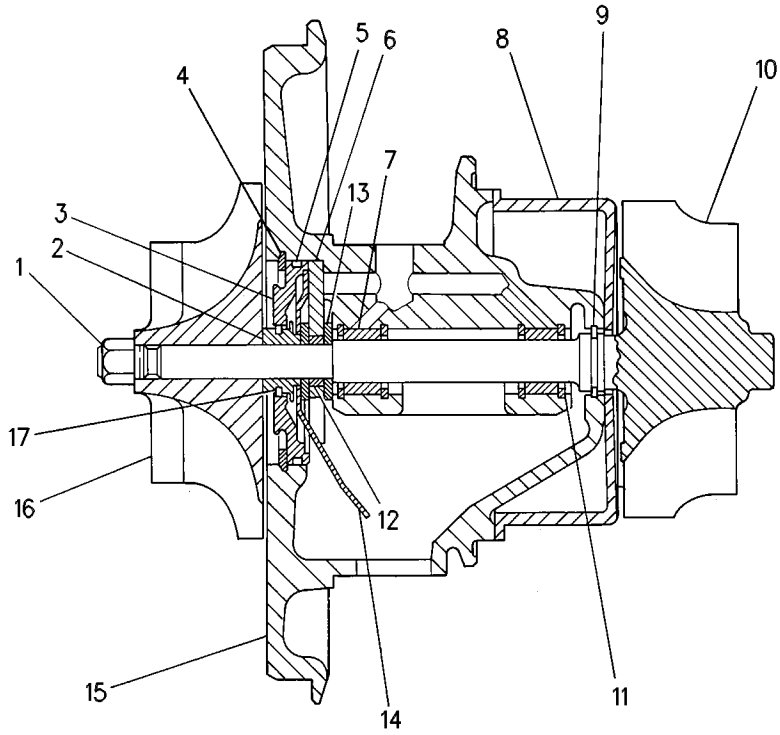
PART OF 1W-3728 TURBOCHARGER GP

SMCS-1053 **i01959388**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-0239**	1	NUT-TURBO COMPRESSOR	
	2	1	**4N-7598**	1	SLEEVE-FLINGER	
	3	1	**5S-4556**	1	INSERT	
	4	1	**5S-4546**	1	RING-RETAINING	
J	5	1	**5P-5757**	1	SEAL-O-RING	
	6	1	**4N-7597**	1	BEARING AS	
J	7	1	**5S-4557**	2	BEARING	
	8	1	**4N-7596**	1	PLATE-BACKING	
J	9	1	**7N-2856**	1	RING-SEAL	
	10	1	**4N-7594**	1	WHEEL AS	
J	11	1	**4M-6983**	4	RING-RETAINING	
	12	1	**5S-4547**	1	SLEEVE-SPACER	
	13	1	**4N-7609**	2	RING-THRUST	
	14	1	**5S-4549**	1	DEFLECTOR-OIL	
	15	1	**4N-8124**	1	HOUSING AS-BEARING	
		1	**5S-5199**		PIN-GROOVED	
	16	1	**1W-3731**	1	WHEEL-COMPRESSOR	
J	17	1	**4M-8013**	1	RING-PISTON	
					AVAILABLE REPAIR KIT(S):	
J			**2W-0727**	1	KIT-CARTRIDGE (TURBOCHARGER)	

J-KIT MARKED J INCLUDES PARTS MARKED J

1W-3729 CARTRIDGE GP-TURBOCHARGER *(contd.)* **i01959388**



GRAPHIC #1 **<END>** g00555864

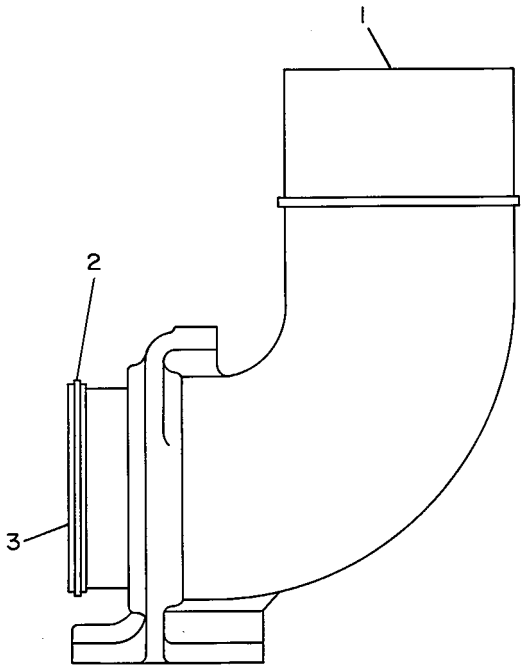
AIR INLET AND EXHAUST SYSTEM

4W-7986 ELBOW GP-EXHAUST

S/N: KPS1-UP
FOR USE WITH DRY EXHAUST MANIFOLD ENGINES
AN ATTACHMENT

SMCS-1061 **i00640344**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1184**	1	ELBOW-EXHAUST	
	2	1	**5L-8854**	2	RING-SEALING	
	3	1	**6N-0425**	1	COUPLING-EXHAUST	



GRAPHIC #1 **<END>** g00170308

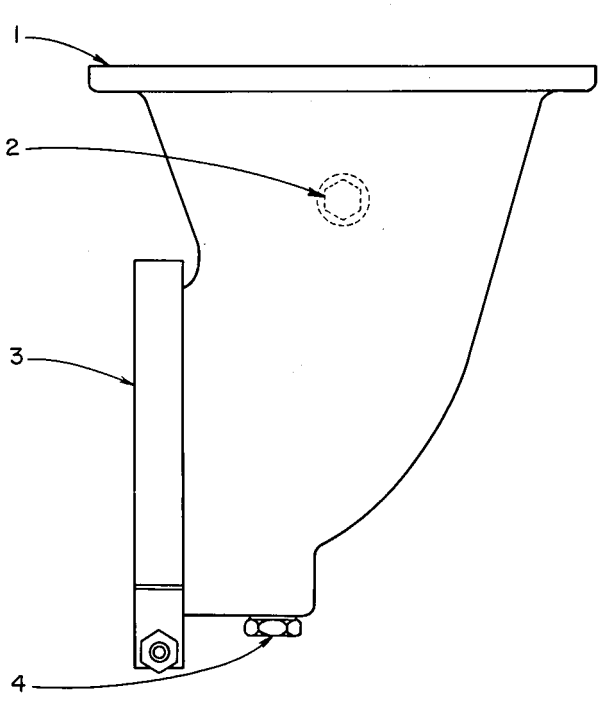
AIR INLET AND EXHAUST SYSTEM

6L-2927 ELBOW GP-EXHAUST

S/N: KPS1-UP
152.4 MM (6 INCH)
FOR USE WITH DRY TURBOCHARGER
AN ATTACHMENT

SMCS-1061 **i01480636**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-7635**	1	ELBOW-EXHAUST	
	2	1	**5B-7890**	1	PLUG-PIPE (1/4-18 NPTF)	
	3	1	**5L-7631**	1	CLAMP	
	4	1	**9B-0887**	1	PLUG-PIPE (3/8-18 NPTF)	



GRAPHIC #1 **<END>** g00205634

AIR INLET AND EXHAUST SYSTEM

7N-6351 ELBOW GP-EXHAUST

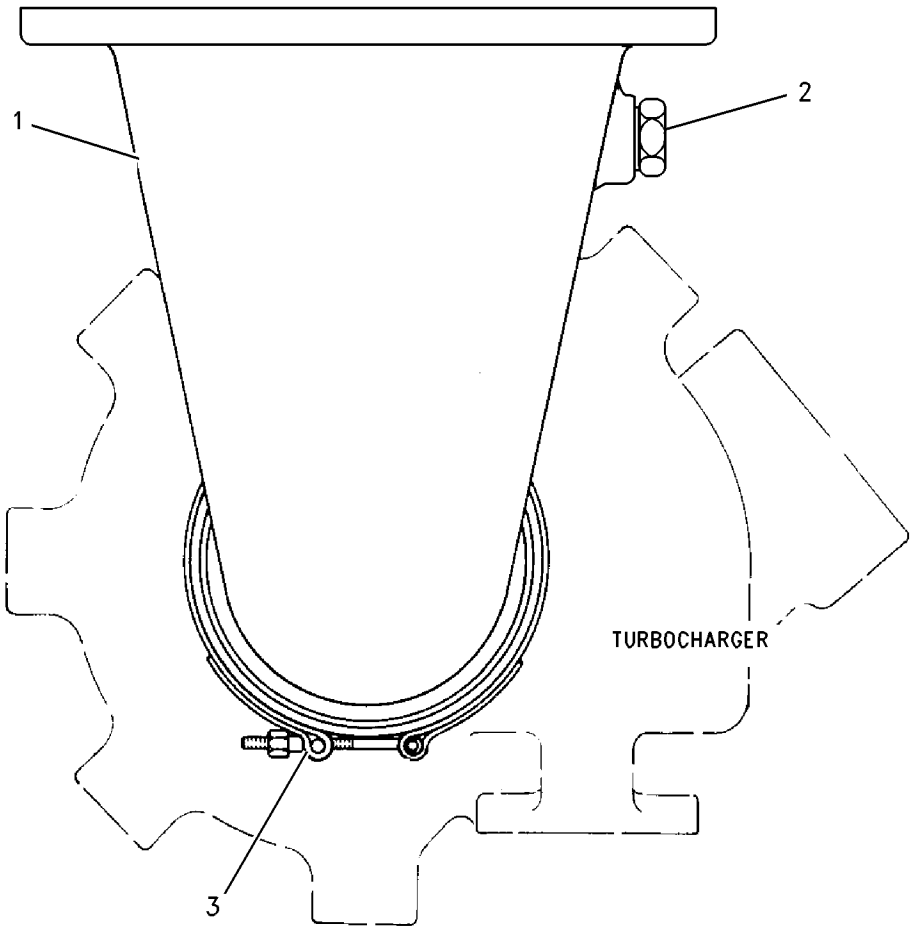
S/N: KPS1-UP

ROTATABLE 90 DEGREE DRY ELBOW WITH 7.88 INCH OUTLET

AN ATTACHMENT

SMCS-1061 **i01473666**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-3575**	1	ELBOW-EXHAUST	
	2	1	**3J-5389**	1	PLUG (1/2-14 NPT THD)	
	3	1	**5L-7631**	1	CLAMP	



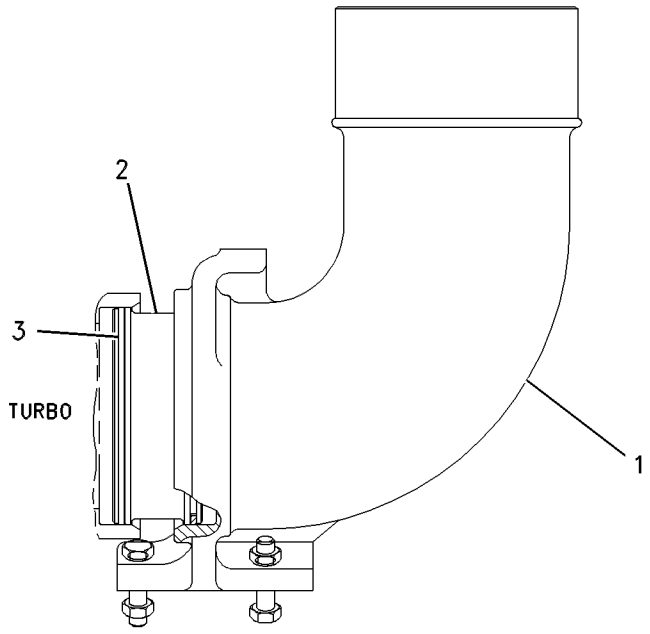
GRAPHIC #1 **<END>** g00768966

142-6073 ELBOW GP-EXHAUST

S/N: KPS1-UP
127 MM (5 IN) OUTLET
FOR USE WITH FORWARD FACING DRY EXHAUST MANIFOLD
AN ATTACHMENT

SMCS-1061 **i00641098**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1184**	1	ELBOW-EXHAUST	
	2	1	**9L-5839**	1	COUPLING-EXHAUST	
	3	1	**5L-8854**	2	RING-SEALING	



GRAPHIC #1 **<END>** g00282765

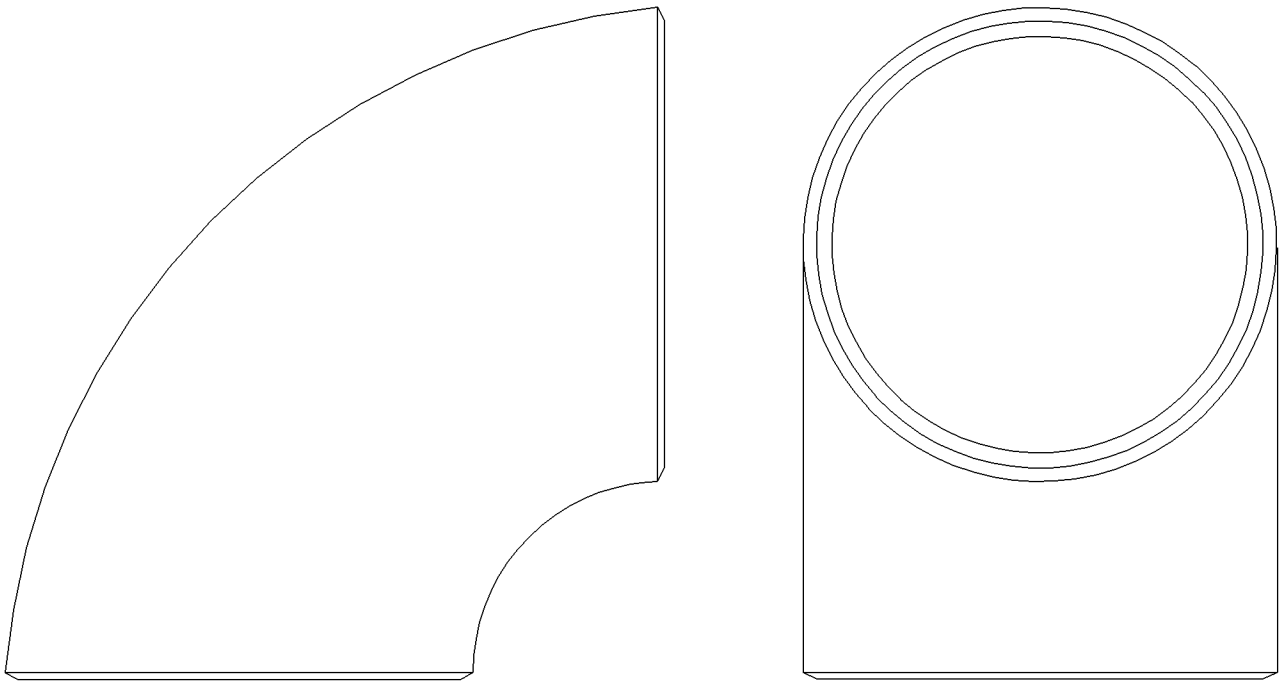
AIR INLET AND EXHAUST SYSTEM

5L-7520 ELBOW-EXHAUST

S/N: KPS1-UP
203.2 MM (8 INCH) PIPE
AN ATTACHMENT

SMCS-1061 **i01450469**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00648631

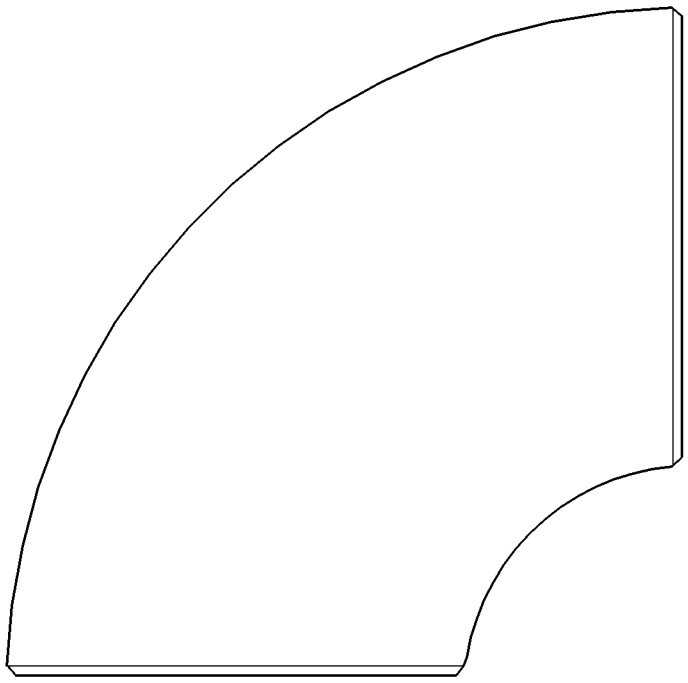
AIR INLET AND EXHAUST SYSTEM

8L-9859 ELBOW-EXHAUST

S/N: KPS1-UP
152.4 MM (6 INCH) PIPE
AN ATTACHMENT

SMCS-1061 **i01373048**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00724697

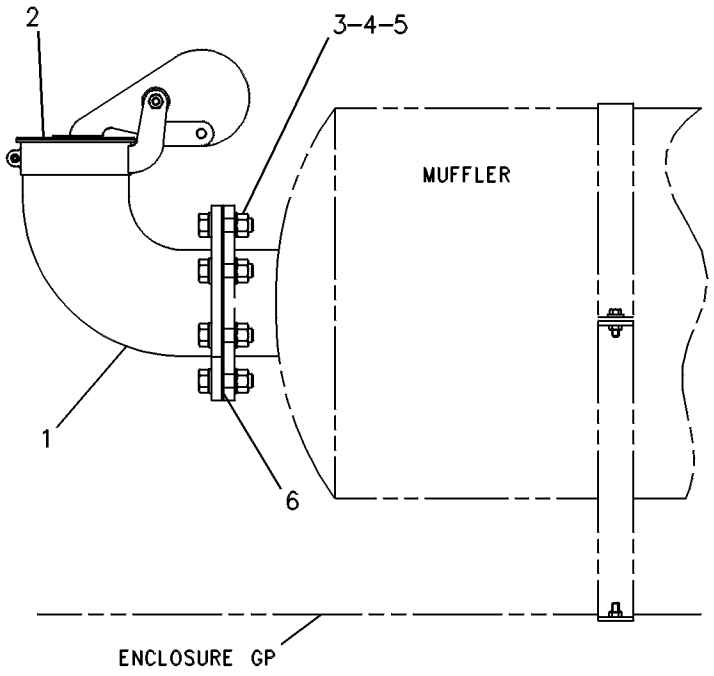
AIR INLET AND EXHAUST SYSTEM

116-0427 FITTING GP-EXHAUST

S/N: KPS1-UP
152.40 MM (6 INCH) EXHAUST ELBOW W/SAE FLANGE & RAIN CAP
FOR USE WITH 114-1172—PAGE 186
AN ATTACHMENT

SMCS-1061 **i01973940**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**112-6282**	1	ELBOW AS	
	2	1	**7S-4411**	1	CAP AS-RAIN (EXHAUST FITTING)	
	3	1	**8T-8924**	8	BOLT (3/4-10X2.50 IN)	
	4	1	**6V-8182**	8	NUT (3/4-10 THD)	
	5	1	**8T-4994**	16	WASHER-HARD (20X36.5X3.5MM THK)	
	6	1	**113-9543**	1	GASKET	



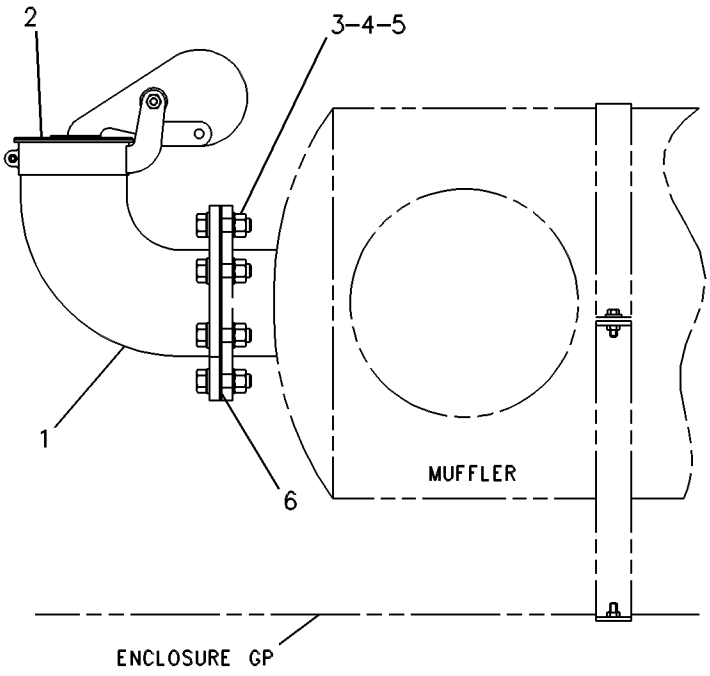
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116-0428 FITTING GP-EXHAUST

S/N: KPS1-UP
203.20 MM (8 INCH)
FOR USE WITH 115-1360—PAGE 186
AN ATTACHMENT

SMCS-1061 **i01973950**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**116-3177**	1	ELBOW AS	
	2	1	**125-5700**	1	CAP AS-RAIN (EXHAUST FITTING)	
	3	1	**8T-8924**	8	BOLT (3/4-10X2.50 IN)	
	4	1	**6V-8182**	8	NUT (3/4-10 THD)	
	5	1	**8T-4994**	16	WASHER-HARD (20X36.5X3.5MM THK)	
	6	1	**113-9848**	1	GASKET	



GRAPHIC #1 **<END>** g00256555

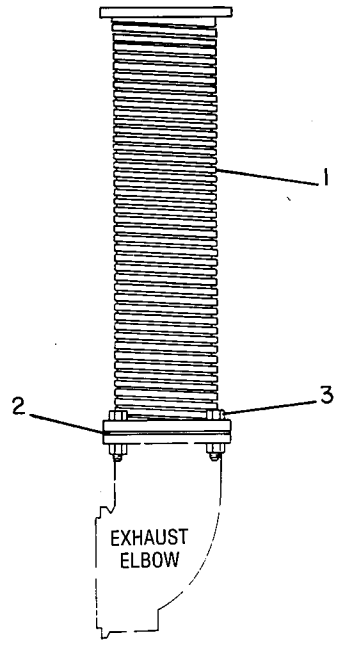
AIR INLET AND EXHAUST SYSTEM

129-9893 FITTING GP-EXHAUST

S/N: KPS1-UP
152.4 MM (6 INCH) FLEXIBLE
AN ATTACHMENT

SMCS-1061 **i01428736**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**129-9892**	1	ADAPTER AS	
		1	**5N-4739**	1	FLANGE	
	2	1	**5H-8331**	1	GASKET	
	3	1	**7X-0346**	4	BOLT (5/8-11X2 IN)	
		1	**7X-0448**	4	NUT (5/8-11 THD)	
		1	**8T-4122**	8	WASHER-HARD (17X32X3.5MM THK)	



GRAPHIC #1 **<END>** g00168952

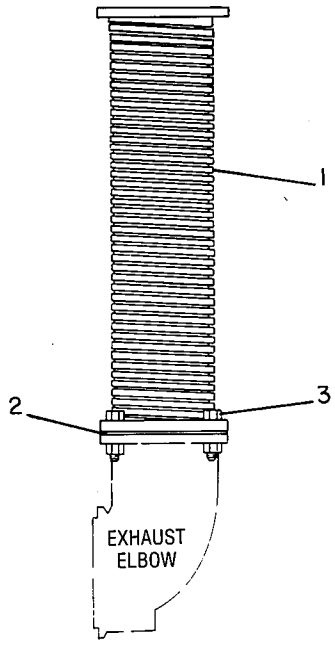
AIR INLET AND EXHAUST SYSTEM

129-9894 FITTING GP-EXHAUST

S/N: KPS1-UP
419.10 MM (16.5 INCH) FLEXIBLE
AN ATTACHMENT

SMCS-1061 **i01428738**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**129-5322**	1	ADAPTER AS	
		1	**5N-4739**	1	FLANGE	
	2	1	**5H-8331**	1	GASKET	
	3	1	**7X-0346**	4	BOLT (5/8-11X2 IN)	
		1	**7X-0448**	4	NUT (5/8-11 THD)	
		1	**8T-4122**	8	WASHER-HARD (17X32X3.5MM THK)	



GRAPHIC #1 **<END>** g00168952

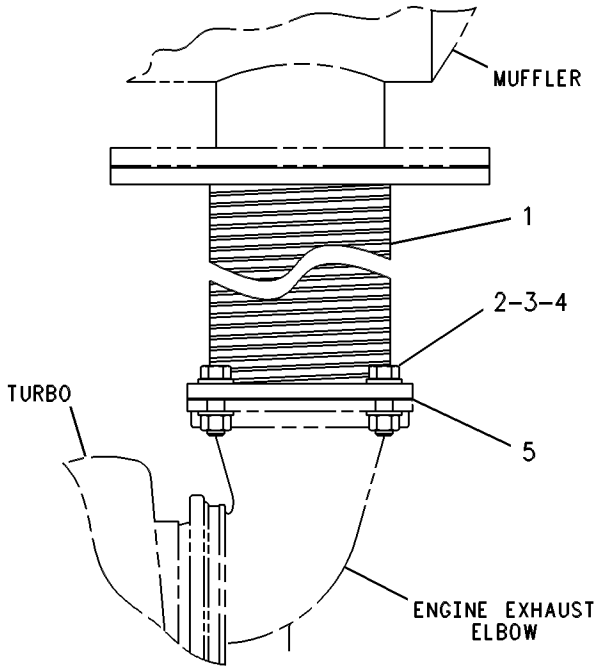
AIR INLET AND EXHAUST SYSTEM

136-5937 FITTING GP-EXHAUST

S/N: KPS1-UP
419.1 MM (16.5 INCH) FLEXIBLE
CANNOT BE USED WITH WEATHER PROTECTIVE ENCLOSURE
AN ATTACHMENT

SMCS-1061 **i01646912**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**130-7202**	1	ADAPTER AS-EXHAUST	
		1	**5N-4739**	1	FLANGE	
	2	1	**7X-0346**	4	BOLT (5/8-11X2 IN)	
	3	1	**7X-0448**	4	NUT (5/8-11 THD)	
	4	1	**8T-4122**	8	WASHER-HARD (17X32X3.5MM THK)	
	5	1	**5H-8331**	1	GASKET	



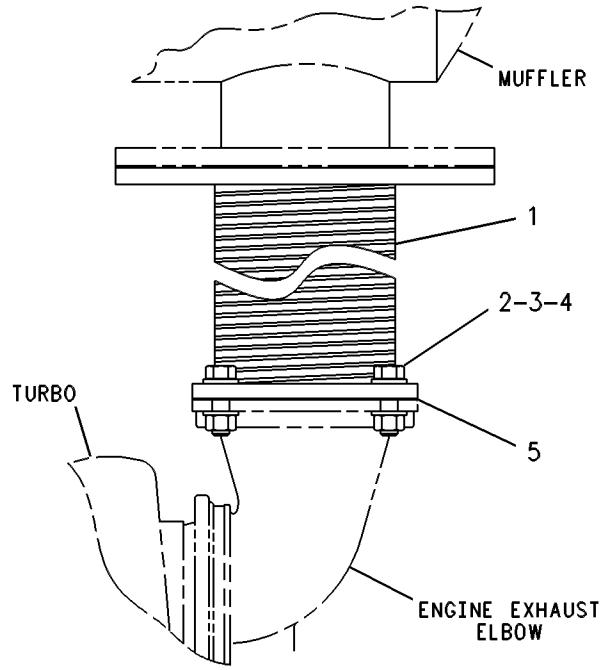
GRAPHIC #1 **<END>** g00260407

136-5938 FITTING GP-EXHAUST

S/N: KPS1-UP
690.88 MM (27.2 INCH) FLEXIBLE
FOR USE WITH WEATHER PROTECTIVE ENCLOSURE
AN ATTACHMENT

SMCS-1061 **i01646921**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**130-7201**	1	ADAPTER AS-EXHAUST	
		1	**5N-4739**	1	FLANGE	
	2	1	**7X-0346**	4	BOLT (5/8-11X2 IN)	
	3	1	**7X-0448**	4	NUT (5/8-11 THD)	
	4	1	**8T-4122**	8	WASHER-HARD (17X32X3.5MM THK)	
	5	1	**5H-8331**	1	GASKET	



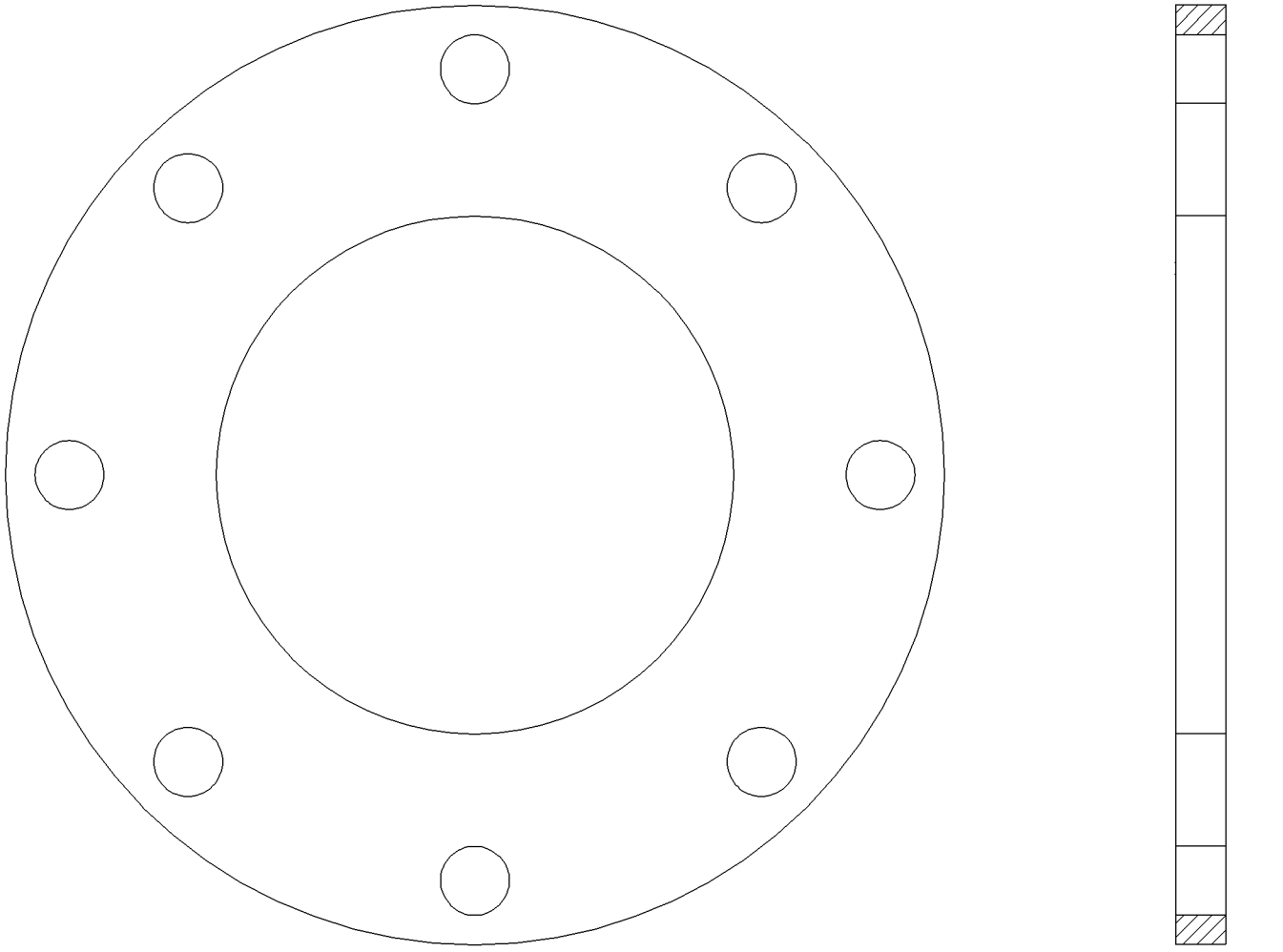
GRAPHIC #1 **<END>** g00260407

114-4394 FLANGE

S/N: KPS1-UP
TO BE WELDED TO A 6 INCH O.D. PIPE OR ELBOW
FOR USE WITH 114-1172—PAGE 186
AN ATTACHMENT

SMCS-1061 **i01645382**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1

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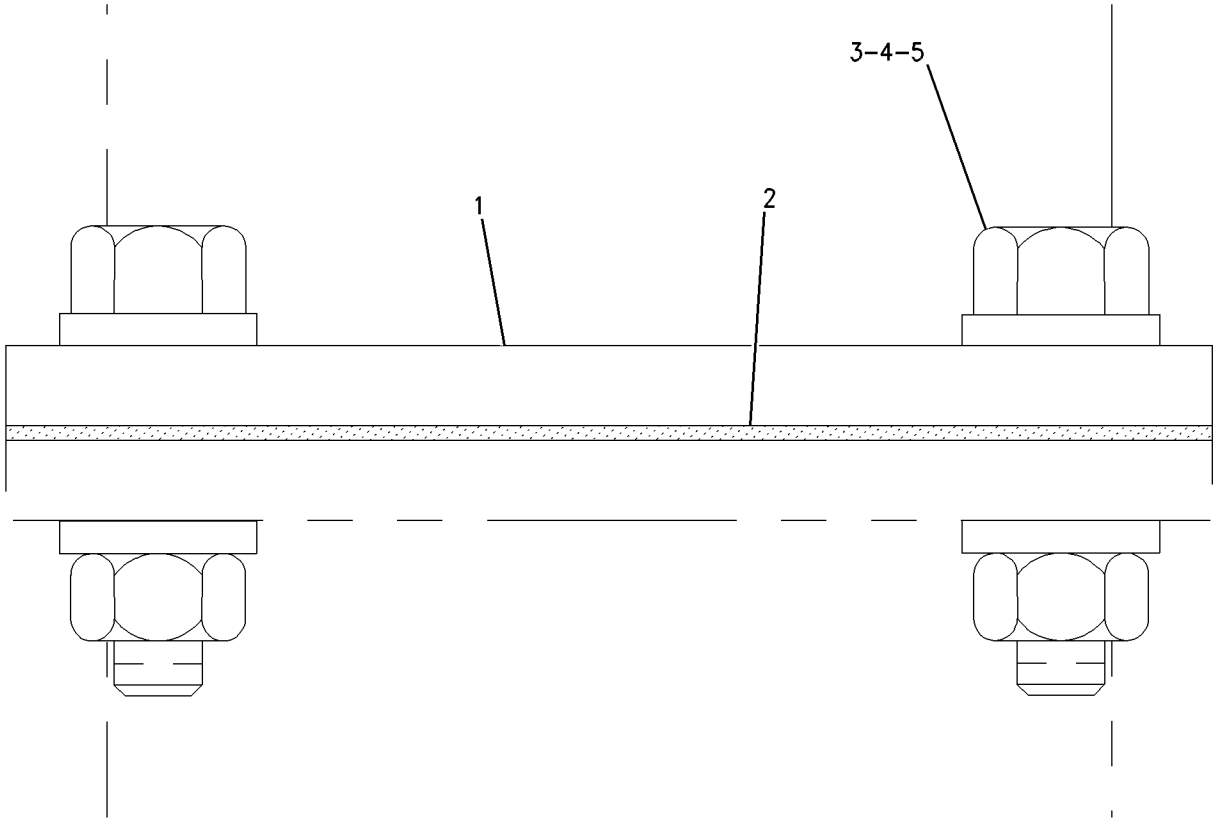
g00851054

2W-7851 FLANGE GP-EXHAUST

S/N: KPS1-UP
152 MM (6 INCH) DIAMETER PIPE
FOR USE WITH EXHAUST PIPE & ELBOW, 8L-9859—PAGE 163. CANNOT BE USED WITH WATERCOOLED EXHAUST ELBOW
AN ATTACHMENT

SMCS-1061 **i01473841**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-4739**	1	FLANGE	
	2	1	**5H-8331**	1	GASKET	
	3	1	**1A-1135**	4	BOLT (5/8-11X2 IN)	
	4	1	**1B-5358**	4	NUT-FULL	
	5	1	**5P-8247**	8	WASHER-HARD (17X32X3.5MM THK)	



GRAPHIC #1 **<END>** g00768712

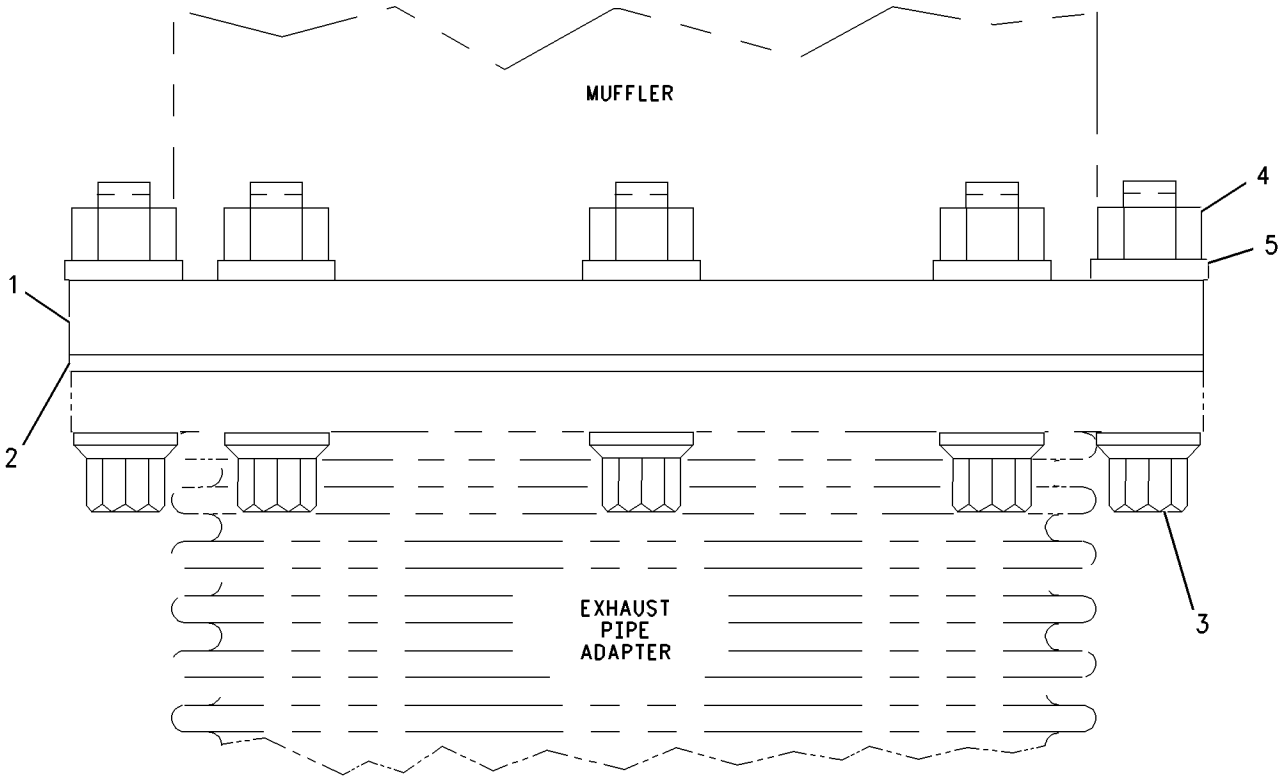
AIR INLET AND EXHAUST SYSTEM

2W-7852 FLANGE GP-EXHAUST

S/N: KPS1-UP
203.2 MM (8 INCH). 5L7520 ELBOW-EXHAUST IS AVAILABLE
AN ATTACHMENT

SMCS-1061 **i01473842**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-7853**	1	FLANGE-EXHAUST	
	2	1	**5L-3773**	1	GASKET-EXHAUST ELBOW	
	3	1	**5P-5855**	8	BOLT-12 POINT HEAD (1/2-13X1.75 IN)	
	4	1	**1B-5357**	8	NUT-FULL (1/2-13 THD)	
	5	1	**5P-8245**	8	WASHER-HARD (13.5X25.5X3MM THK)	



GRAPHIC #1 **<END>** g00768710

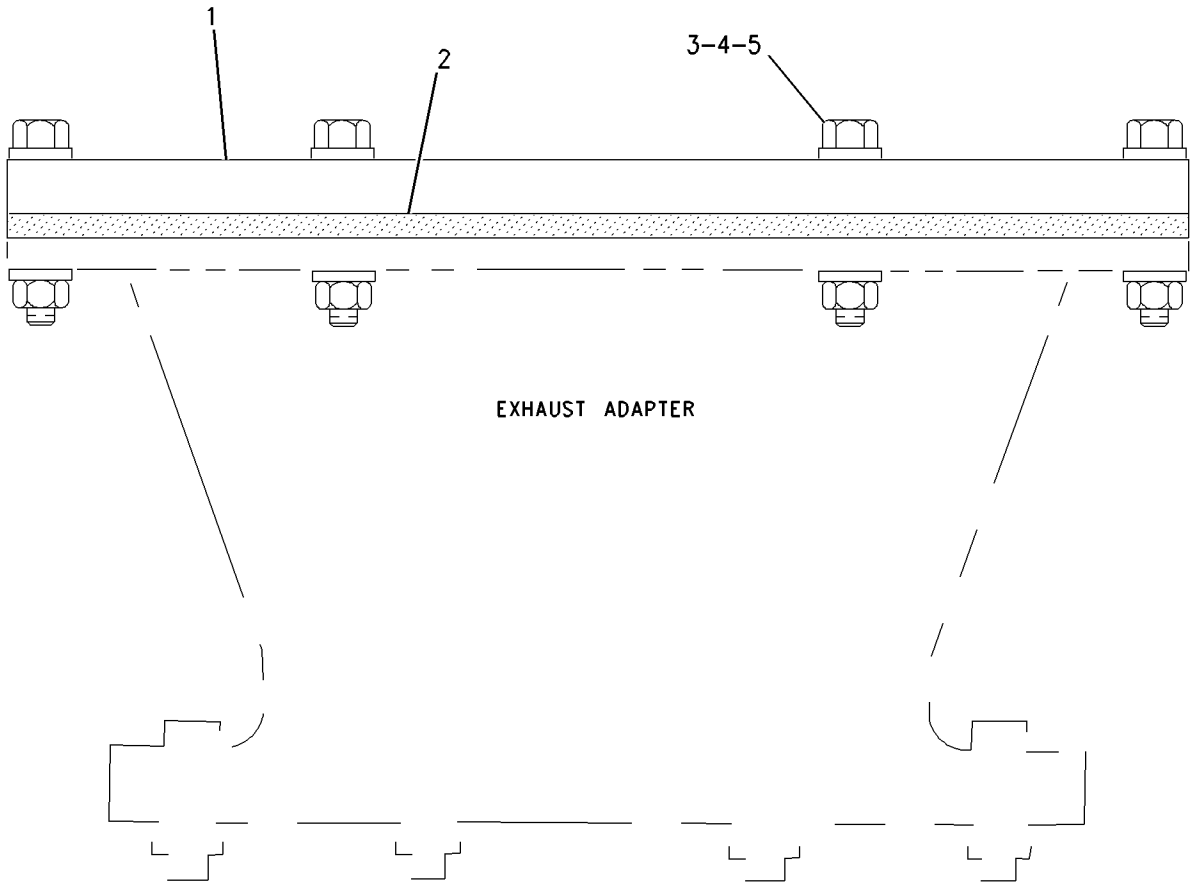
AIR INLET AND EXHAUST SYSTEM

2W-7860 FLANGE GP-EXHAUST

S/N: KPS1-UP
152 MM (6 INCH) DIAMETER PIPE
FOR USE WITH 2W-4072—PAGE 185
AN ATTACHMENT

SMCS-1061 **i01473843**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-7861**	1	FLANGE-EXHAUST	
	2	1	**2W-7862**	1	GASKET-EXHAUST	
	3	1	**5L-4398**	6	BOLT (1/2-13X2.25IN)	
	4	1	**1B-5357**	6	NUT-FULL (1/2-13 THD)	
	5	1	**5P-8245**	12	WASHER-HARD (13.5X25.5X3MM THK)	



GRAPHIC #1 **<END>** g00768699

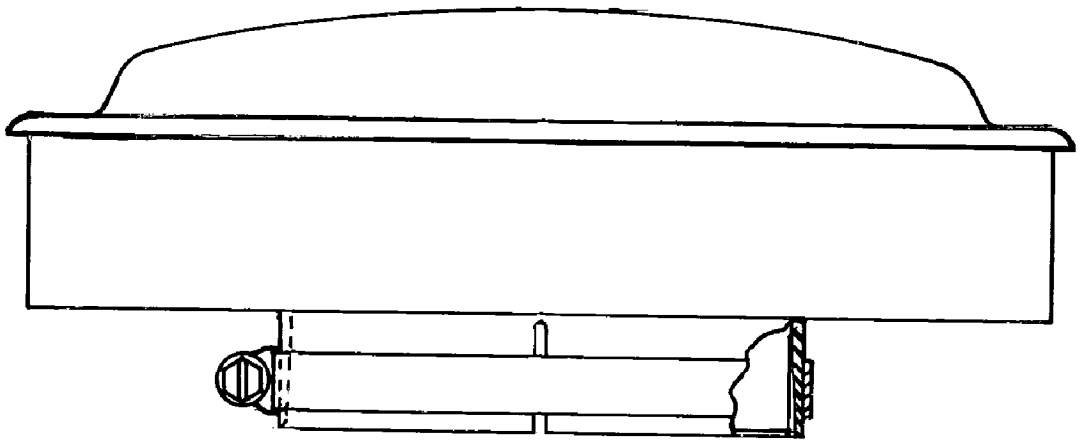
AIR INLET AND EXHAUST SYSTEM

4W-5828 HOOD AS-AIR CLEANER

S/N: KPS1-UP
FOR USE WITH 117.8MM DIA AIR INLET
AN ATTACHMENT

SMCS-1051 **i01378641**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00728565

AIR INLET AND EXHAUST SYSTEM

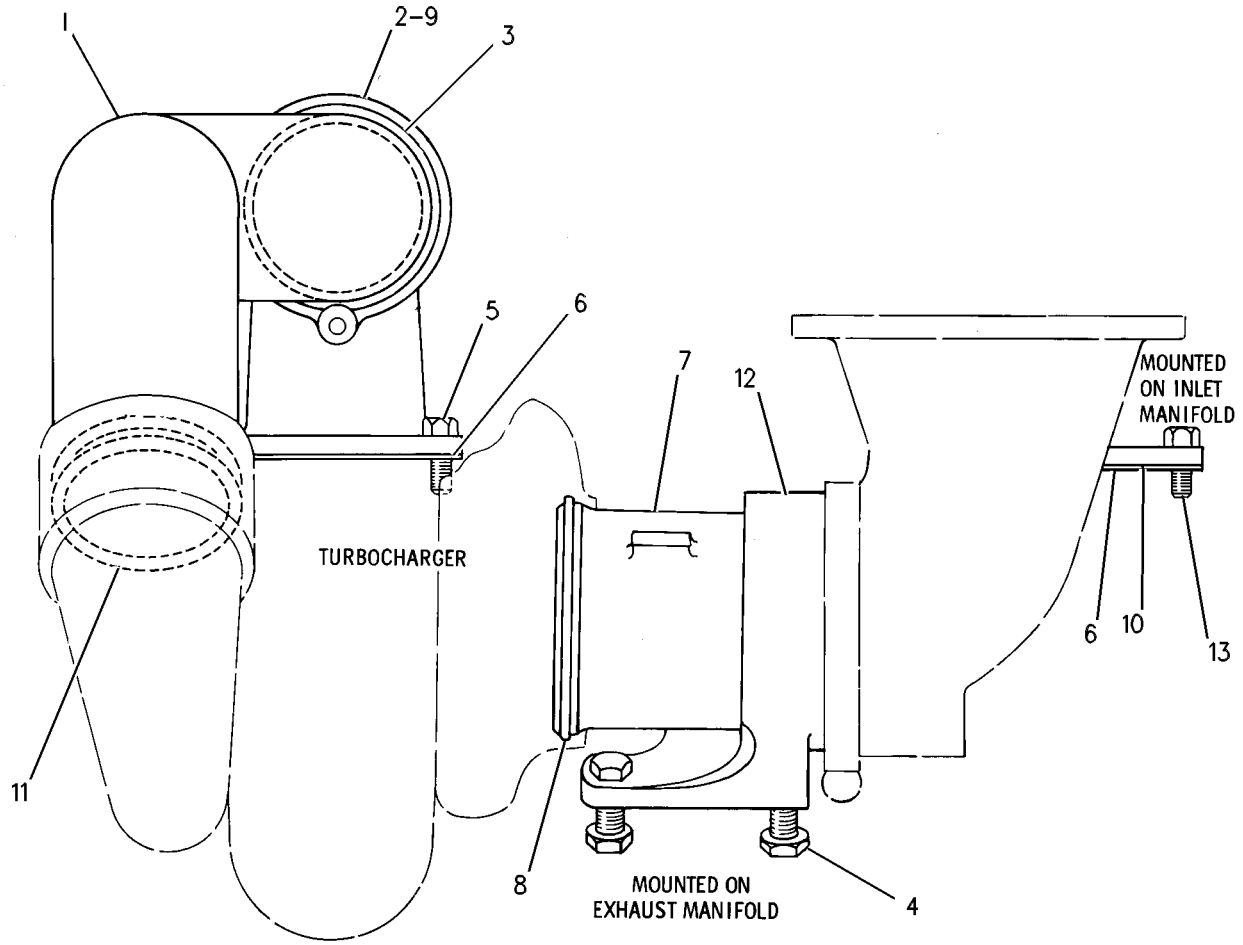
4N-0875 LINES GP-AIR

S/N: 1DZ3603-UP

SMCS-1071 **i00641045**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**1W-2093**	1	TUBE	
C	2	1	**7N-2444**	1	ELBOW-MANIFOLD INLET	
	3	1	**5S-1188**	2	SEAL-O-RING	
	4	1	**2N-2765**	3	BOLT-HIGH TEMPERATURE	
		1	**2N-2766**	3	LOCKNUT (3/8-16 NPTF THD)	
C	5	1	**2P-3203**	4	BOLT-WASHER HEAD (3/8 X 1.25)	
	6	1	**2N-8630**	2	GASKET	
	7	1	**9L-6657**	1	COUPLING-EXHAUST	
	8	1	**5L-8854**	2	RING-SEALING	
C	9	1	**5M-6213**	1	PLUG	
	10	1	**2N-8628**	1	COVER-INLET MANIFOLD	
	11	1	**4L-8337**	2	SEAL-O-RING (81MM ID)	
	12	1	**4N-1010**	1	SUPPORT-ELBOW	
C	13	1	**2P-3202**	4	BOLT-WASHER HEAD	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00271610

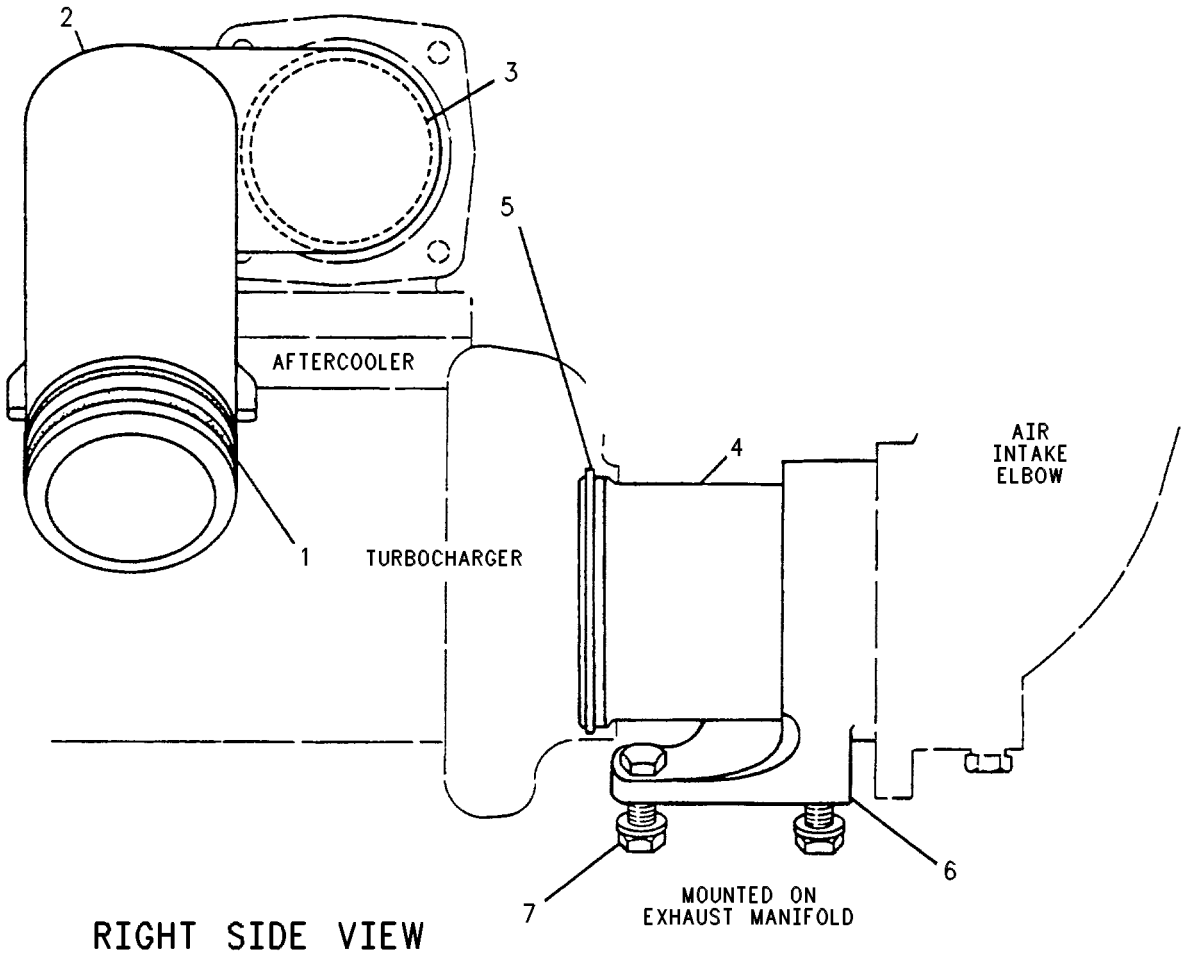
AIR INLET AND EXHAUST SYSTEM

6N-5015 LINES GP-AIR

S/N: 1DZ3603-UP

SMCS-1071 **i00981038**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-8337**	2	SEAL-O-RING (81MM ID)	
	2	1	**1W-2093**	1	TUBE	
	3	1	**5S-1188**	2	SEAL-O-RING (88.26 ID)	
	4	1	**9L-6657**	1	COUPLING-EXHAUST	
	5	1	**5L-8854**	2	RING-SEALING	
	6	1	**4N-1010**	1	SUPPORT-ELBOW	
	7	1	**2N-2765**	3	BOLT-HIGH TEMPERATURE	
		1	**2N-2766**	3	LOCKNUT (3/8-16 THD)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00271219

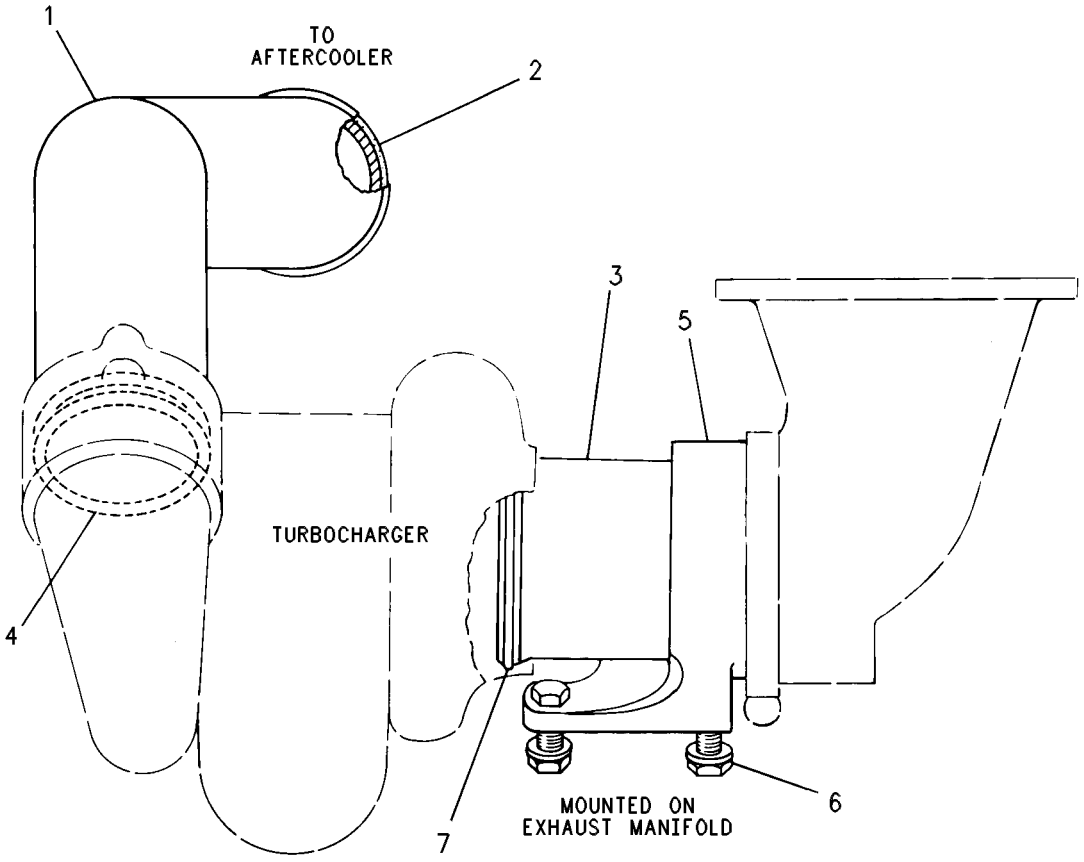
AIR INLET AND EXHAUST SYSTEM

8N-4398 LINES GP-AIR

S/N: 1DZ3603-UP

SMCS-1071 **i00718933**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-2093**	1	TUBE	
	2	1	**5S-1188**	2	SEAL-O-RING (88.26 ID)	
	3	1	**4N-1157**	1	COUPLING-EXHAUST	
	4	1	**4L-8337**	2	SEAL-O-RING (81MM ID)	
	5	1	**4N-1010**	1	SUPPORT-ELBOW	
	6	1	**2N-2765**	3	BOLT-HIGH TEMPERATURE	
		1	**2N-2766**	3	LOCKNUT (3/8-16 THD)	
	7	1	**5L-8854**	2	RING-SEALING	



GRAPHIC #1 **<END>** g00270962

AIR INLET AND EXHAUST SYSTEM

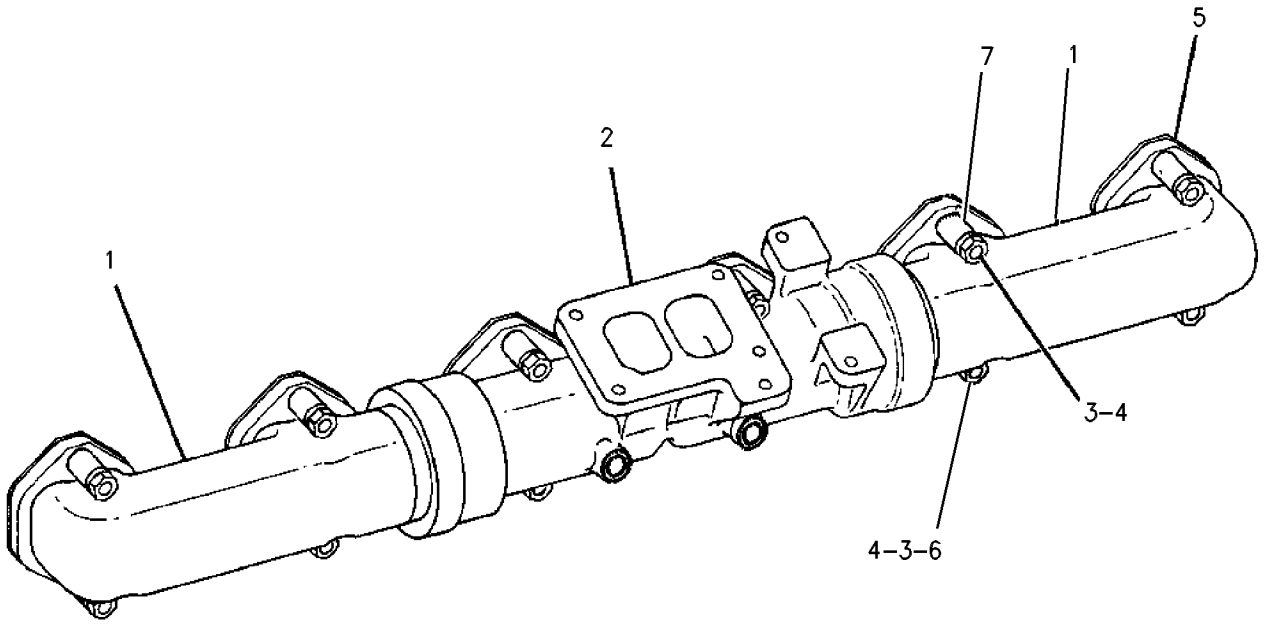
4N-0754 MANIFOLD GP-EXHAUST

S/N: 1DZ3603-UP

FOR USE WITH 4N-5394—PAGE 92

SMCS-1059 **i01788156**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-7352**	2	MANIFOLD-EXHAUST (END)	
	2	1	**102-8502**	1	MANIFOLD-EXHAUST (CENTER)(LOW MOUNT)	
	3	1	**2N-2766**	12	LOCKNUT	
	4	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
	5	1	**129-9452**	6	GASKET-EXHAUST MANIFOLD	
	6	1	**108-3612**	11	SPACER (11.13X19.05X53MM THK)	
	7	1	**2S-3770**	1	SPACER	



GRAPHIC #1 **<END>** g00595627

AIR INLET AND EXHAUST SYSTEM

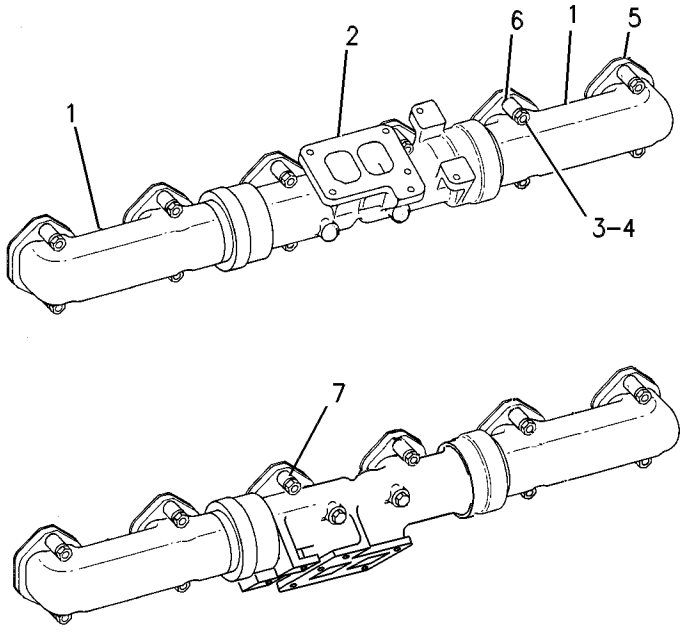
4W-4319 MANIFOLD GP-EXHAUST

S/N: 1DZ3603-UP

SMCS-1059 **i01959392**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-7352**	2	MANIFOLD-EXHAUST (END)	
	2	1	**102-8501**	1	MANIFOLD-EXHAUST (CENTER - LOW MOUNT)	
	3	1	**2N-2766**	12	LOCKNUT	
	4	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
	5	1	**129-9452**	6	GASKET-EXHAUST MANIFOLD	
	6	1	**108-3612**	11	SPACER (11.13X19.05X53MM THK)	
	7	1	**2S-3770**	1	SPACER (11X19X33.5MM THK)	
B		1	**5P-3931**		COMPOUND-ANTI-SEIZE	
B		1	**2P-2333**		SEALER-HIGH TEMPERATURE	

B-USE AS REQUIRED



3406 TRUCK ENGINE

GRAPHIC #1 **<END>** g00255888

AIR INLET AND EXHAUST SYSTEM

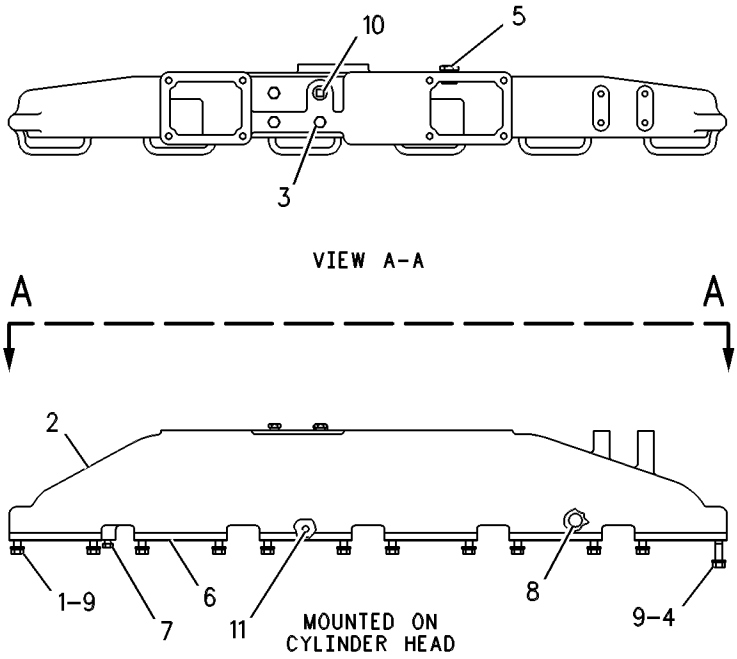
1N-4471 MANIFOLD GP-INLET

S/N: 1DZ3603-UP

SMCS-1058 **i01849045**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**031-0219**	11	BOLT-LOCKING (3/8-16X1.75IN)	
C	2	1	**9Y-8857**	1	MANIFOLD-INLET	
C	3	1	**8T-6765**	3	PLUG-PIPE	
	4	1	**5D-9844**	1	BOLT-LOCKING (3/8-16X2 IN)	
B	5	1	**7W-6492**	1	PLUG-PIPE	
	6	1	**2N-8204**	6	GASKET	
	7	1	**8T-6764**	1	PLUG-PIPE	
	8	1	**8T-6762**	1	PLUG-PIPE	
	9	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
C	10	1	**8B-8817**	1	PLUG (1/2-14 NPTF THD) (PIPE-SQUARE COUNTERSUNK)	
B	11	1	**8T-6764**	1	PLUG-PIPE	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE



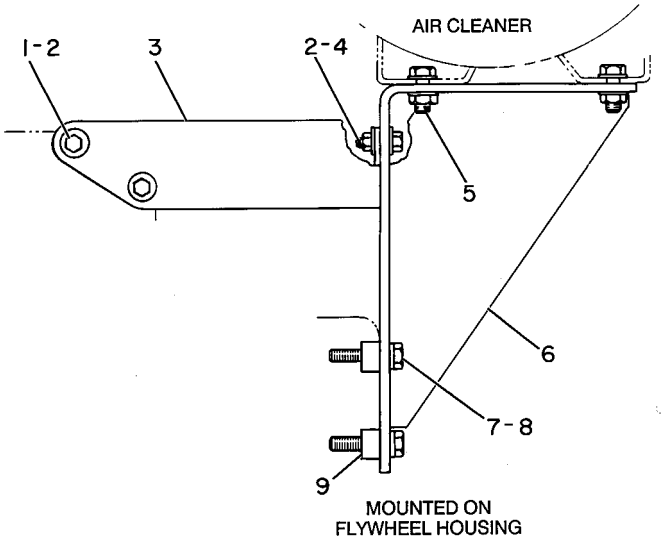
GRAPHIC #1 **<END>** g00108926

8N-9759 MOUNTING GP-AIR CLEANER

S/N: KPS1-UP
CANNOT BE USED WITH WATERCOOLED MANIFOLDS
AN ATTACHMENT

SMCS-1051 **i01906627**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-9377**	2	BOLT (3/8-16X2.25 IN)	
		1	**5K-1928**	2	BOSS	
	2	1	**5P-1075**	6	WASHER-HARD (10.2X22.5X3MM THK)	
	3	1	**8N-8361**	1	BRACKET	
	4	1	**8T-2502**	2	BOLT (3/8-16X1.125 IN)	
		1	**6V-8801**	2	NUT (3/8-16 THD)	
	5	1	**8T-8917**	4	BOLT (1/2-13X1.25 IN)	
		1	**6V-8188**	4	NUT (1/2-13 THD)	
		1	**8T-4223**	8	WASHER-HARD (13.5X25.5X3MM THK)	
	6	1	**1N-2984**	1	SUPPORT AS	
	7	1	**7X-0347**	4	BOLT (5/8-11X2.25 IN)	
	8	1	**8T-4122**	4	WASHER-HARD (17X32X3.5MM THK)	
	9	1	**2A-0047**	4	WASHER	



GRAPHIC #1 **<END>** g00152408

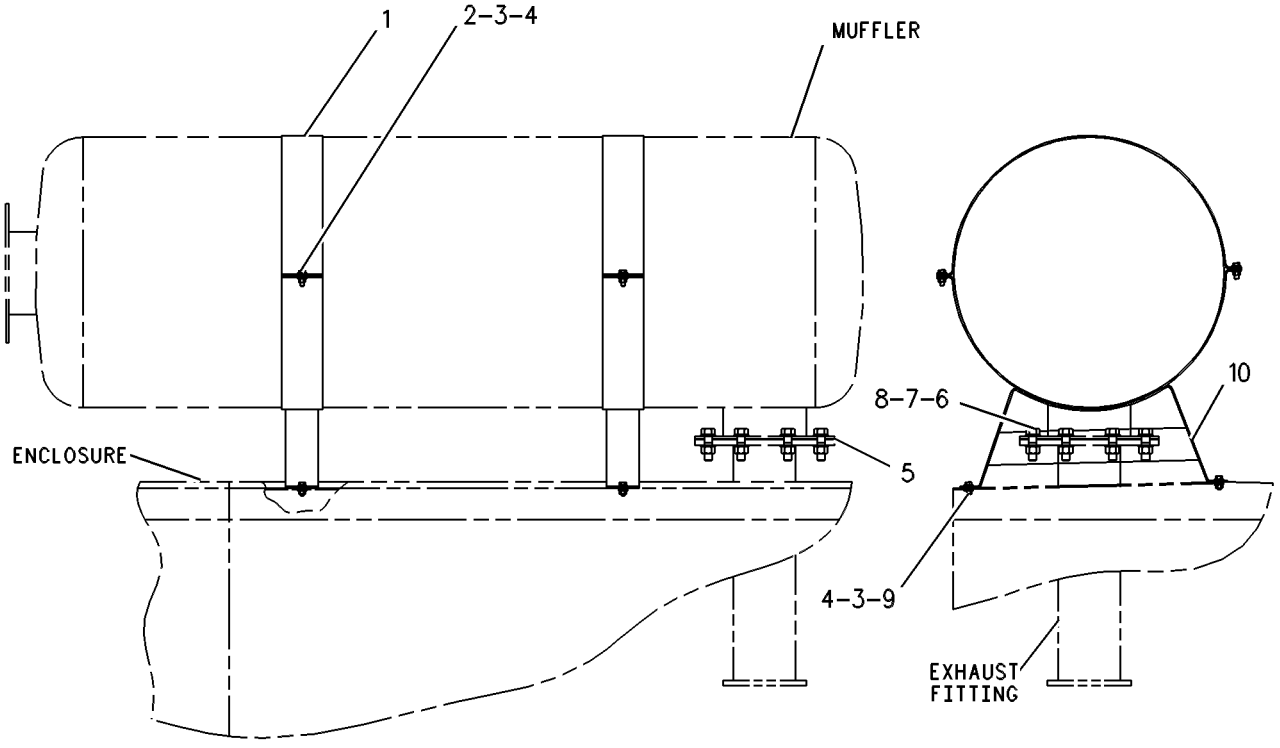
AIR INLET AND EXHAUST SYSTEM

115-1361 MOUNTING GP-MUFFLER

S/N: KPS1-UP
FOR USE WITH 115-1360—PAGE 186
AN ATTACHMENT

SMCS-1062 **i01423495**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**118-6932**	2	STRAP	
	2	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	3	1	**5P-1075**	16	WASHER-HARD (10.2X22.5X3MM THK)	
	4	1	**6V-8801**	8	NUT (3/8-16 THD)	
	5	1	**113-9848**	1	GASKET	
	6	1	**8T-8924**	8	BOLT (3/4-10X2.50 IN)	
	7	1	**8T-4994**	16	WASHER-HARD (20X36.5X5MM THK)	
	8	1	**6V-8182**	8	NUT (3/4-10 THD)	
	9	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	10	1	**115-0199**	2	SUPPORT AS	



GRAPHIC #1 **<END>** g00256618

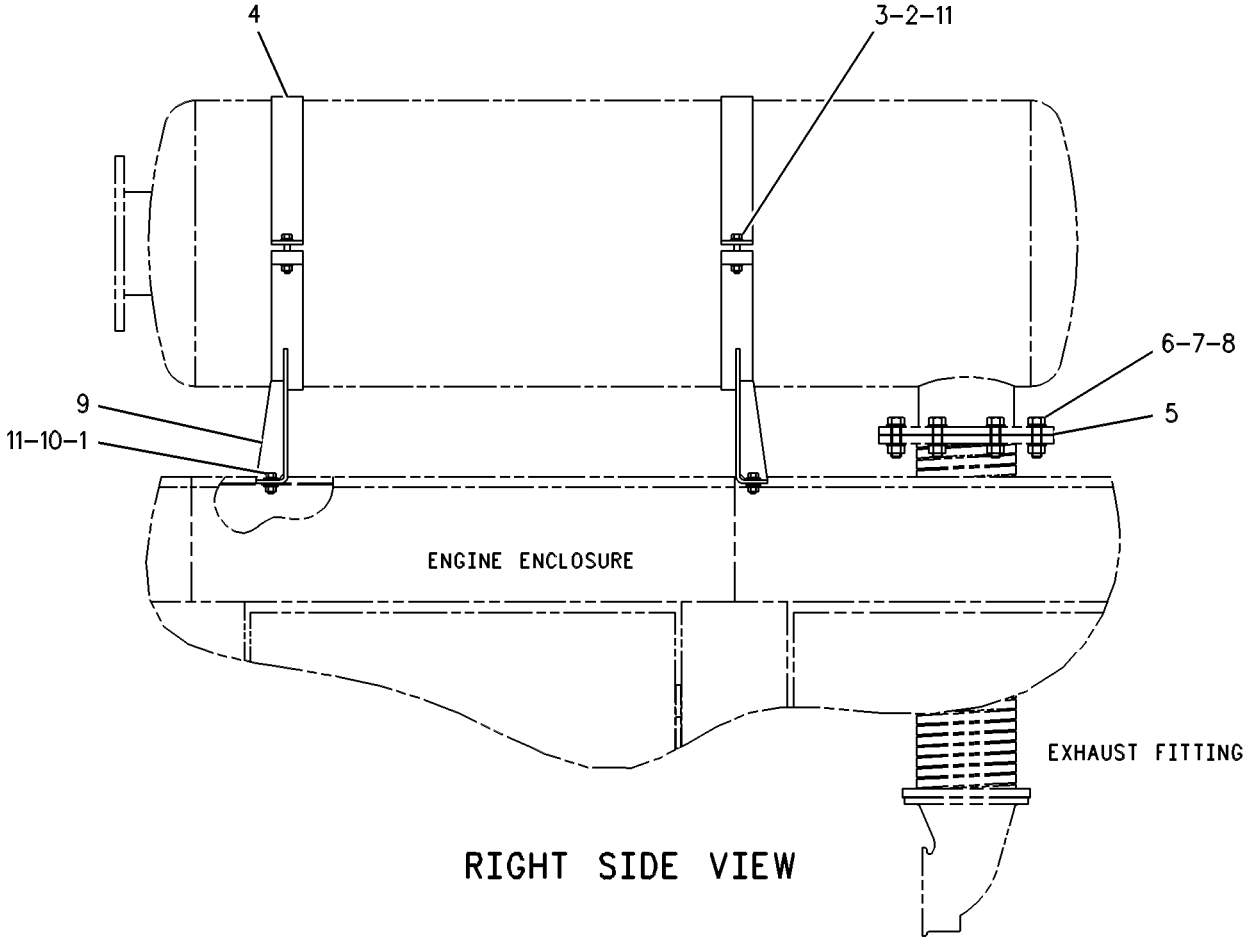
AIR INLET AND EXHAUST SYSTEM

116-2440 MOUNTING GP-MUFFLER

S/N: KPS1-UP
152 MM (6 INCH)
FOR USE WITH 116-2439—PAGE 186, 130-6276—PAGE 186
AN ATTACHMENT

SMCS-1062 **i01423868**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	2	1	**8T-4896**	8	WASHER-HARD (10.2X18.5X2.5MM THK)	
	3	1	**8T-2501**	4	BOLT (3/8-16X2 IN)	
	4	1	**9Y-9138**	2	STRAP	
	5	1	**113-9543**	1	GASKET	
	6	1	**8T-8924**	8	BOLT (3/4-10X2.50 IN)	
	7	1	**8T-4994**	16	WASHER-HARD (20X36.5X5MM THK)	
	8	1	**6V-8182**	8	NUT (3/4-10 THD)	
	9	1	**9Y-9092**	2	BRACKET AS	
	10	1	**5P-1075**	8	WASHER-HARD (10.2X22.5X3MM THK)	
	11	1	**6V-8801**	8	NUT (3/8-16 THD)	



GRAPHIC #1 **<END>** g00256616

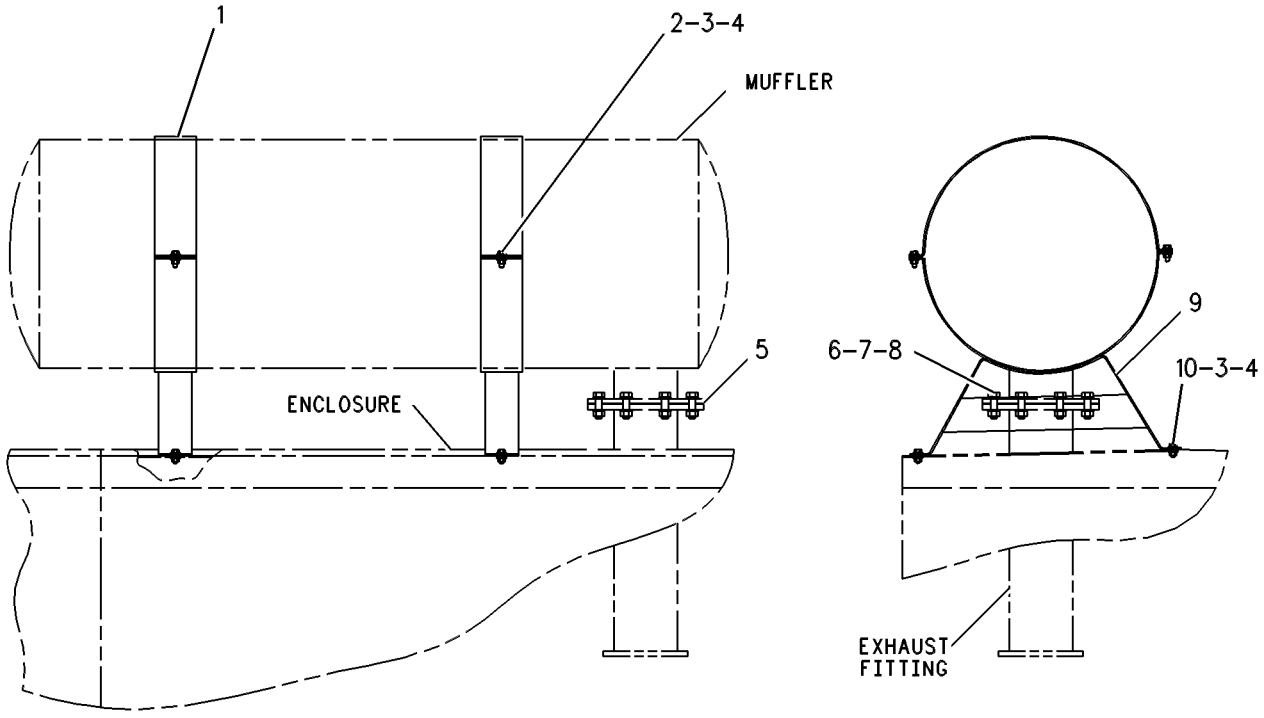
AIR INLET AND EXHAUST SYSTEM

116-7041 MOUNTING GP-MUFFLER

S/N: KPS1-UP
152 MM (6 INCH)
FOR USE WITH 114-1172—PAGE 186
AN ATTACHMENT

SMCS-1062 **i01423236**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**118-5632**	2	STRAP	
	2	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	3	1	**5P-1075**	16	WASHER-HARD (10.2X22.5X3MM THK)	
	4	1	**6V-8801**	8	NUT (3/8-16 THD)	
	5	1	**113-9543**	1	GASKET	
	6	1	**6V-8182**	8	NUT (3/4-10 THD)	
	7	1	**8T-4994**	16	WASHER-HARD (20X36.5X5MM THK)	
	8	1	**8T-8924**	8	BOLT (3/4-10X2.50 IN)	
	9	1	**116-7040**	2	SUPPORT AS	
	10	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	



GRAPHIC #1 **<END>** g00256624

AIR INLET AND EXHAUST SYSTEM

2W-4072 MUFFLER

S/N: KPS1-UP
152 MM (6 INCH)
AN ATTACHMENT

SMCS-1062 **i00671829**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	



GRAPHIC #1 **<END>** g00283681

AIR INLET AND EXHAUST SYSTEM

114-1172 MUFFLER–6 INCH CRITICAL SILENCER

S/N: KPS1-UP
AN ATTACHMENT

SMCS-1062 **i01662184**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

115-1360 MUFFLER–8 INCH CRITICAL SILENCER

S/N: KPS1-UP
FOR USE WITH 115-1361–PAGE 182
AN ATTACHMENT

SMCS-1062 **i01662190**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

116-2439 MUFFLER–6 INCH RESIDENTIAL SILENCER

S/N: KPS1-UP
FOR USE WITH 116-2440–PAGE 183, 116-0427–PAGE 164
AN ATTACHMENT

SMCS-1062 **i01662203**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

130-6276 MUFFLER

S/N: KPS1-UP
6 INCH INDUSTRIAL SILENCER. FOR USE WITH REMOTE MOUNT AND ENCLOSURE
AN ATTACHMENT

SMCS-1062 **i01645662**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

AIR INLET AND EXHAUST SYSTEM

130-6277 MUFFLER

S/N: KPS1-UP

8 INCH RESIDENTIAL SILENCER, FOR USE WITH REMOTE MOUNT AND ENCLOSURE AN ATTACHMENT

SMCS-1062 **i01645647**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

1N-3447 MUFFLER GP

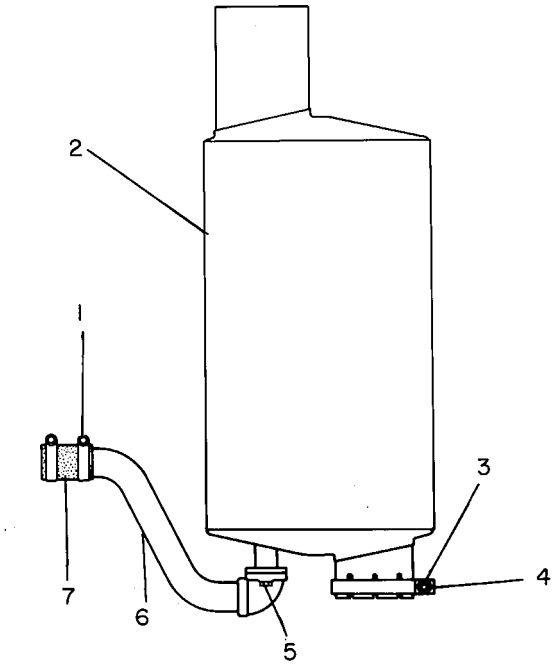
S/N: KPS1-UP

FOR USE WITH 6N-8588—PAGE 195. CANNOT BE USED WITH WATERCOOLED MANIFOLDS AN ATTACHMENT

SMCS-1062 **i00639985**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-0597**	2	CLAMP	
	2	1	**1N-3452**	1	MUFFLER AS	
	3	1	**0S-1590**	2	BOLT (3/8-16X2IN)	
		1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
		1	**5M-2894**	2	WASHER (2.5MM THK)	
	4	1	**6F-8814**	1	CLAMP	
	5	1	**1A-2029**	2	BOLT (3/8-16X1.125IN)	
	6	1	**8N-8614**	1	TUBE AS	
E	7	1	**5P-1471**		HOSE (9CM)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00139350

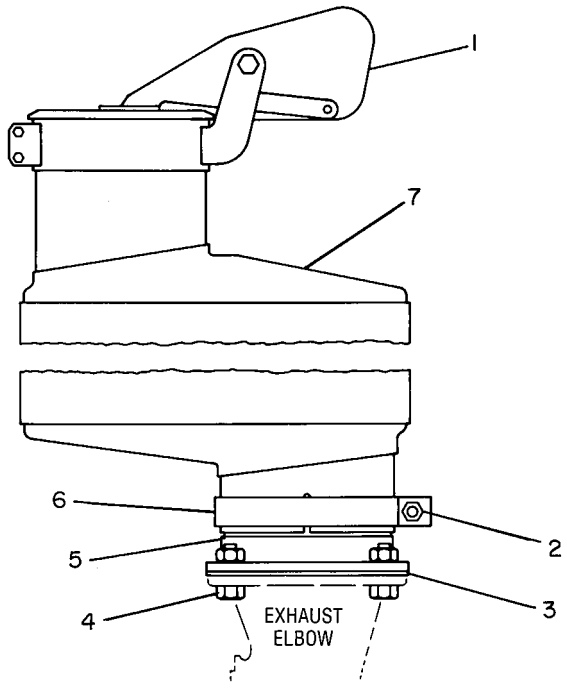
AIR INLET AND EXHAUST SYSTEM

5N-6148 MUFFLER GP

S/N: KPS1-UP
FOR USE WITH ENCLOSURE
AN ATTACHMENT

SMCS-1062 **i01973952**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7S-5003**	1	CAP AS-RAIN (MUFFLER)	
	2	1	**2B-0947**	1	BOLT (1/2-13X2.25 IN)	
		1	**1B-5357**	1	NUT-FULL (1/2-13 THD)	
	3	1	**5H-8331**	1	GASKET	
	4	1	**0S-1566**	4	BOLT (5/8-11X1.5 IN)	
		1	**1B-5358**	4	NUT-FULL	
	5	1	**5N-6147**	1	PIPE AS-EXHAUST	
	6	1	**8S-1460**	1	CLAMP	
	7	1	**8N-4975**	1	MUFFLER AS	



GRAPHIC #1 **<END>** g00137751

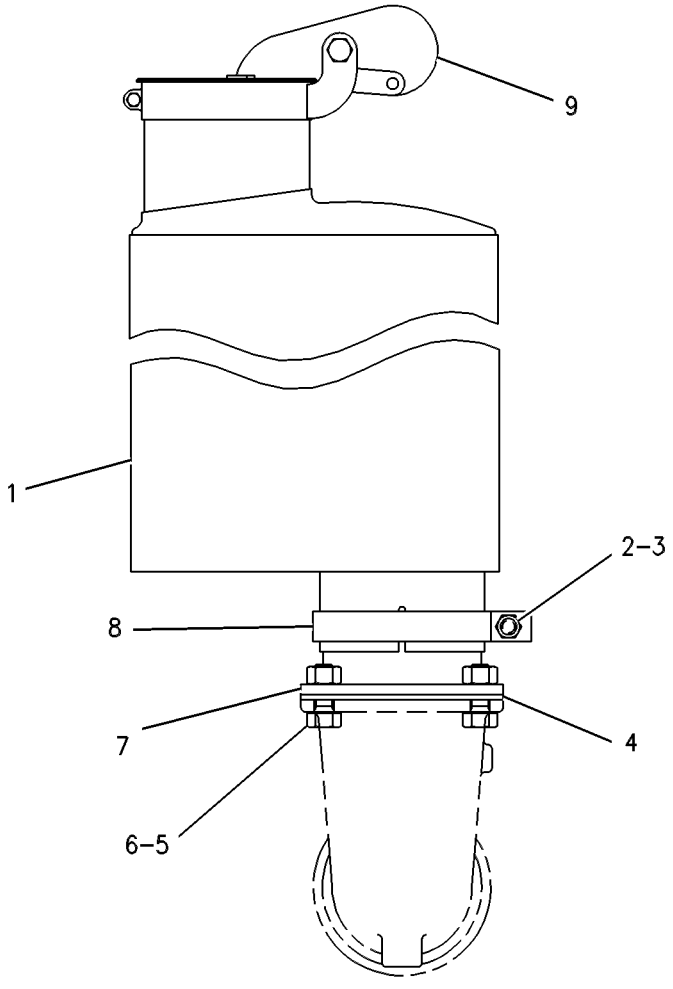
130-6537 MUFFLER GP

S/N: KPS1-UP

FOR USE WITH 6L-2927—PAGE 159. CANNOT BE USED WITH ENCLOSURE GP AN ATTACHMENT

SMCS-1062 **i01973951**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8S-6559**	1	MUFFLER AS	
	2	1	**5S-7383**	1	BOLT (3/8-16X1.75 IN)	
	3	1	**6V-8801**	1	NUT (3/8-16 THD)	
	4	1	**5H-8331**	1	GASKET	
	5	1	**8T-9393**	4	BOLT (5/8-11X1.5 IN)	
	6	1	**7X-0448**	4	NUT (5/8-11 THD)	
	7	1	**5N-6147**	1	PIPE AS-EXHAUST	
	8	1	**8S-1460**	1	CLAMP	
	9	1	**7S-5003**	1	CAP AS-RAIN (MUFFLER)	



GRAPHIC #1 **<END>** g00256139

AIR INLET AND EXHAUST SYSTEM

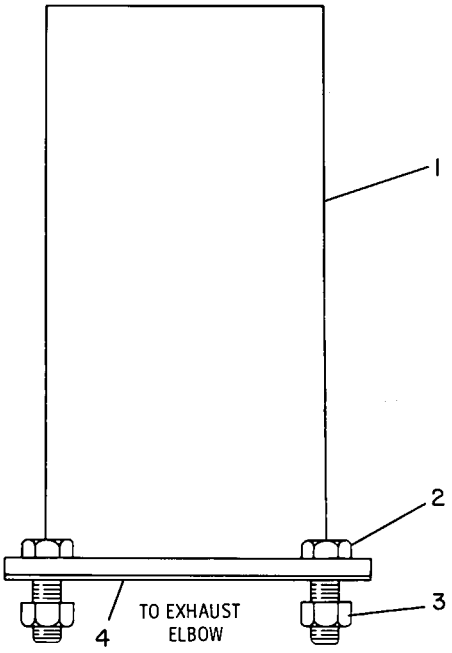
4L-5801 PIPE GP-EXHAUST

S/N: KPS1-UP
152.4 MM (6 INCH)
AN ATTACHMENT

SMCS-1061 **i00640227**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**5L-2264**	1	PIPE AS	
	2	1	**0S-1566**	4	BOLT (5/8-11X1.5IN)	
	3	1	**1B-5358**	4	NUT-FULL	
	4	1	**5H-8331**	1	GASKET	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00205793

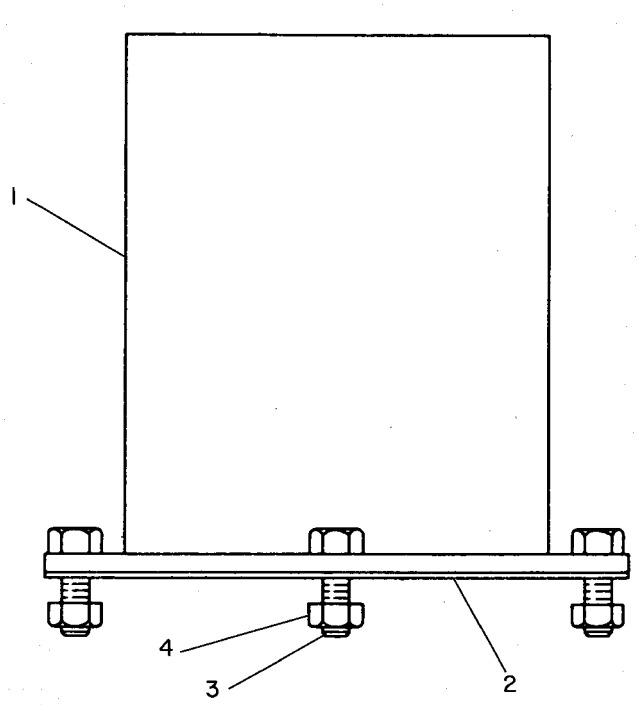
AIR INLET AND EXHAUST SYSTEM

5L-3338 PIPE GP-EXHAUST

S/N: KPS1-UP
203.2 MM (8 INCH)
AN ATTACHMENT

SMCS-1061 **i00643930**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-3855**	1	PIPE AS-EXHAUST	
	2	1	**5L-3773**	1	GASKET-EXHAUST ELBOW	
	3	1	**0S-1585**	4	BOLT (1/2-13X1.50IN)	
	4	1	**1B-5357**	4	NUT-FULL (1/2-13 THD)	



GRAPHIC #1 **<END>** g00198821

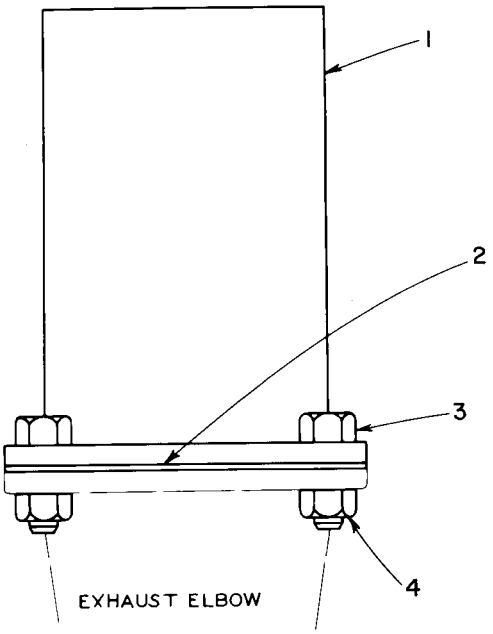
AIR INLET AND EXHAUST SYSTEM

5L-8632 PIPE GP-EXHAUST

S/N: KPS1-UP
127 MM (5 INCH) DIA
AN ATTACHMENT

SMCS-1061 **i01508871**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-8605**	1	PIPE AS-EXHAUST	
	2	1	**5L-8484**	1	GASKET	
	3	1	**8T-9393**	4	BOLT (5/8-11X1.5 IN)	
	4	1	**1B-5358**	4	NUT-FULL	



GRAPHIC #1 **<END>** g00200874

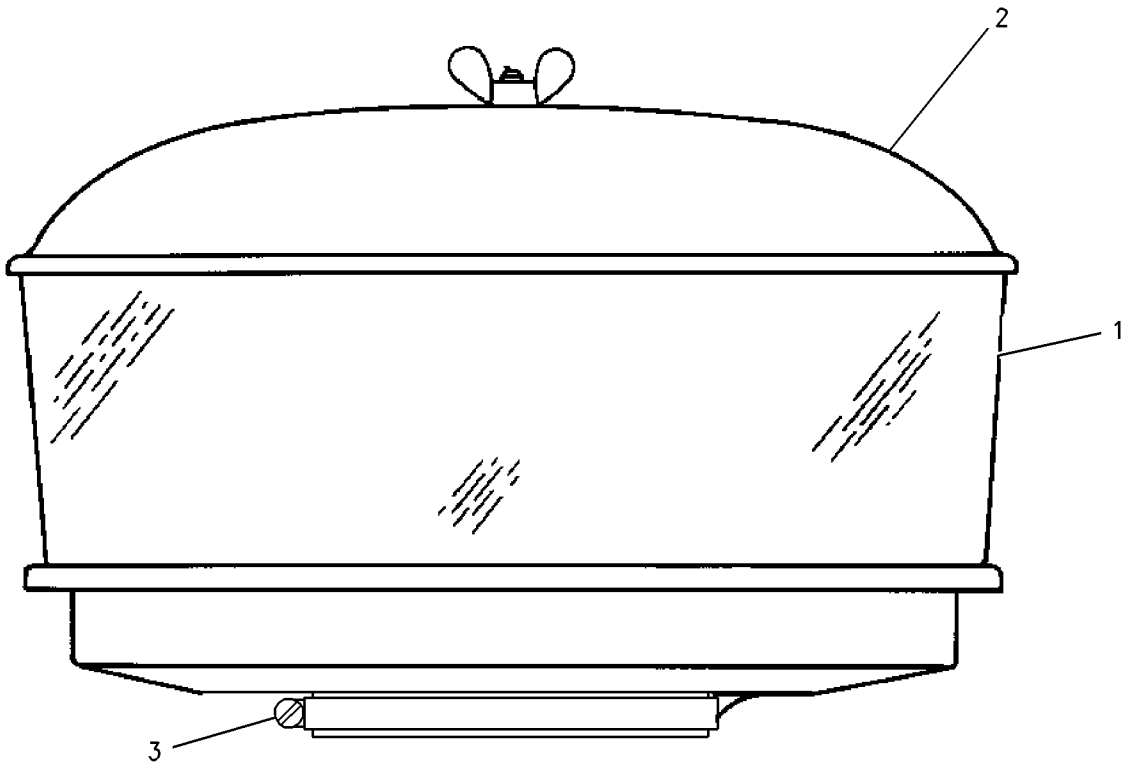
AIR INLET AND EXHAUST SYSTEM

150-1713 PRECLEANER AS

S/N: KPS1-UP
FITS ONTO A 152.4 MM (6 INCH) DIA. INLET TUBE
AN ATTACHMENT

SMCS-1055 **i01509359**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2S-6708**	1	COLLECTOR-DUST	
	2	1	**2S-2493**	1	COVER AS-PRECLEANER	
	3	1	**5P-0600**	1	CLAMP (HOSE)	



GRAPHIC #1 **<END>** g00762078

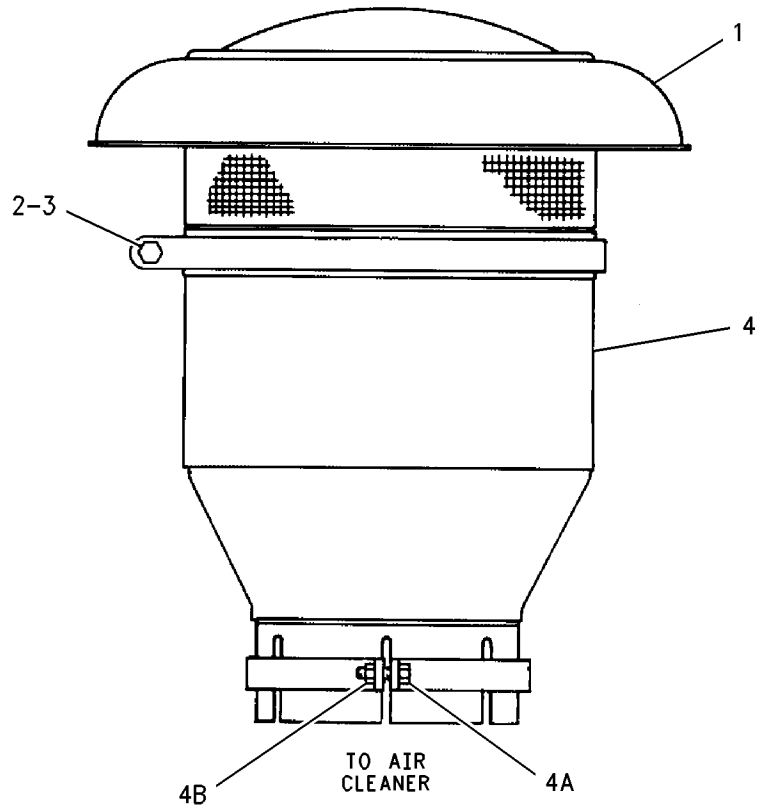
AIR INLET AND EXHAUST SYSTEM

6N-8588 PRECLEANER GP

S/N: KPS1-UP
7 INCH INLET
AN ATTACHMENT

SMCS-1055 **i01911838**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7S-3687**	1	HOOD AS (PRECLEANER)	
	2	1	**4L-9337**	1	BOLT (3/8-16X1.5 IN)	
	3	1	**6V-8801**	1	NUT (3/8-16 THD)	
	4	1	**6N-8587**	1	BODY AS (PRECLEANER)	
	4A	1	**0S-1571**	1	BOLT (3/8-16X1.75 IN)	
	4B	1	**6V-8801**	1	NUT (3/8-16 THD)	



GRAPHIC #1 **<END>** g00722850

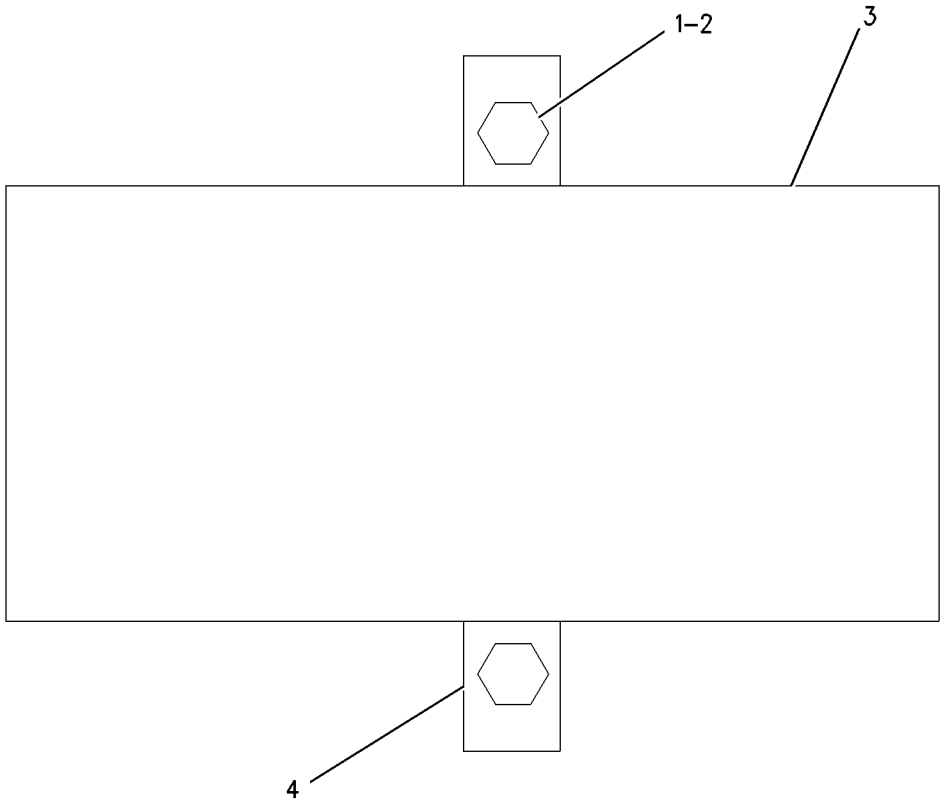
AIR INLET AND EXHAUST SYSTEM

9L-6671 SHIELD GP-MANIFOLD

S/N: 1DZ3603-UP

SMCS-1067 **i01801879**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1591**	2	BOLT (3/8-16X1.5 IN)	
	2	1	**9S-8752**	2	NUT-FULL (3/8-16 THD)	
	3	1	**9N-1008**	1	SHIELD AS	
	4	1	**1S-4577**	1	CLAMP	



GRAPHIC #1 **<END>** g00923090

AIR INLET AND EXHAUST SYSTEM

128-7405 SHIELD-RAIN

S/N: KPS1-UP

REQUIRES A STANDBY GENERATOR SET ENCLOSURE AND A 6 INCH OR 8 INCH EXHAUST FLEX PIPE AN ATTACHMENT

SMCS-1061 **i01645549**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

AIR INLET AND EXHAUST SYSTEM

5N-2060 SHUTOFF GP-AIR

S/N: KPS1-UP

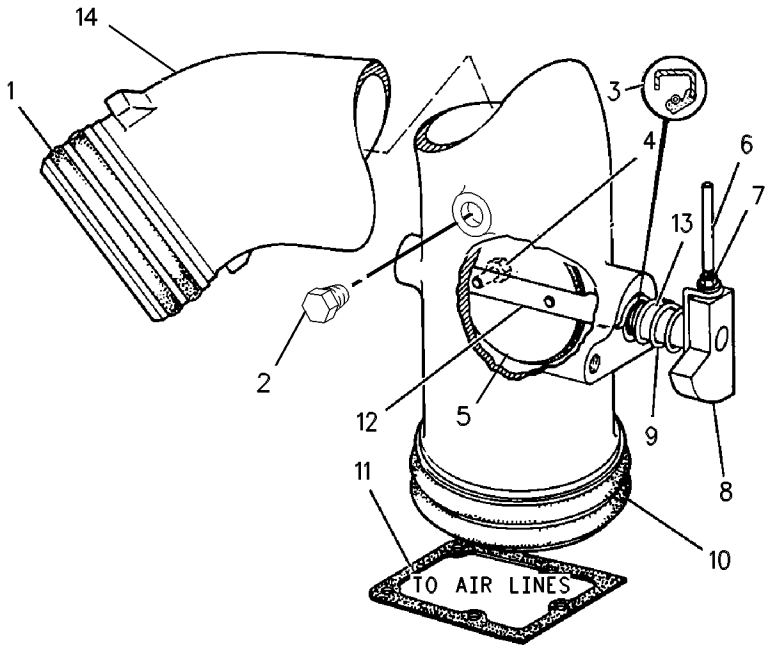
FOR USE WITH WATERCOOLED MANIFOLD. CANNOT BE USED WITH LOW SPEED ENGINE AN ATTACHMENT

SMCS-1078 **i01874700**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-8337**	2	SEAL-O-RING (81MM ID)	
	2	1	**8T-6765**	1	PLUG-PIPE (1/4-18 NPTF THD)	
	3	1	**5H-1190**	1	SEAL-LIP	
	4	1	**1C-0569**	2	BOLT (5/16-18X0.5 IN)	
		1	**9S-5282**	2	WASHER-HARD (8.8X14.5X2MM THK)	
	5	1	**4P-8021**	1	VALVE AS (AIR SHUTOFF)	
	6	1	**5N-3160**	1	STUD	
C	7	1	**6V-8185**	1	NUT (1/4-20 THD)	
C		1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2MM THK)	
C	8	1	**5N-5662**	1	LATCH	
	9	1	**135-2858**	1	PLATE	
	10	1	**5S-1188**	2	SEAL-O-RING (88.26MM ID)	
	11	1	**4N-4159**	1	GASKET	
	12	1	**5N-2830**	1	SHAFT AS	
		1	**5N-3852**	2	BEARING	
C	13	1	**5N-2829**	1	BUSHING-TERMINAL	
C		1	**2L-3605**	1	PIN-SPRING	
	14	1	**5N-6053**	1	PIPE-OUTLET	

C-CHANGE FROM PREVIOUS TYPE

5N-2060 **SHUTOFF GP-AIR** *(contd.)* **i01874700**



GRAPHIC #1 **<END>** g00596633

AIR INLET AND EXHAUST SYSTEM

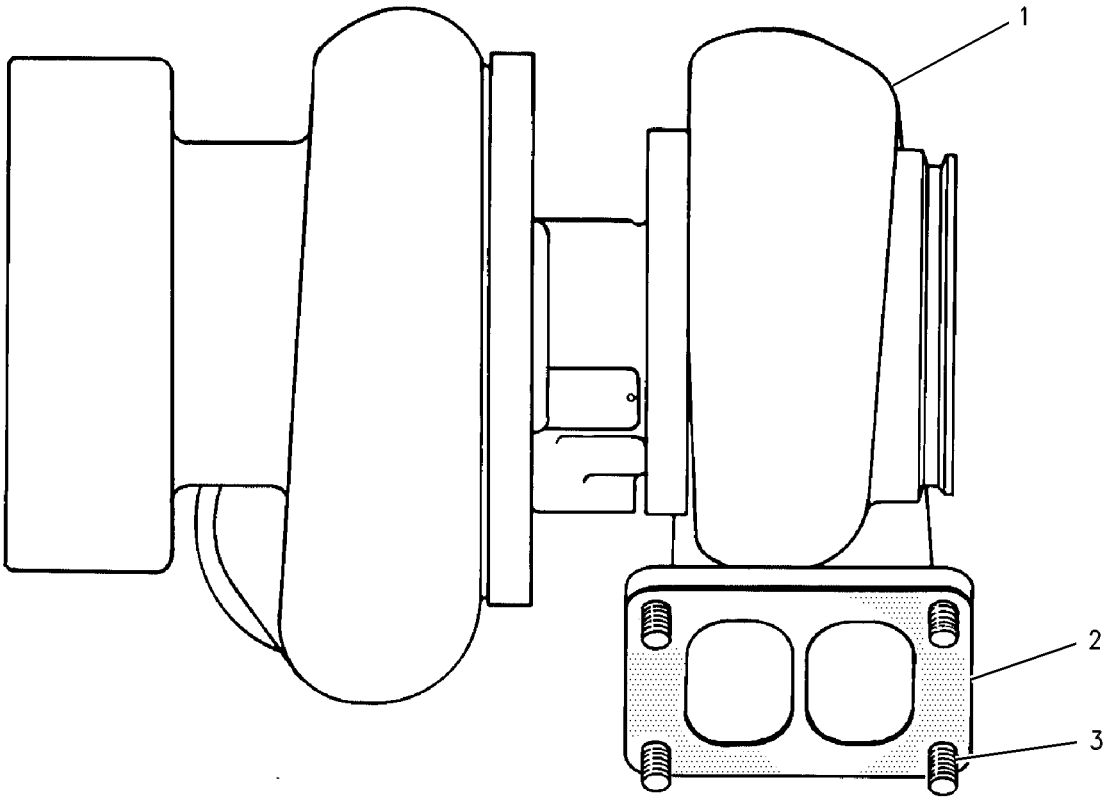
1W-0947 TURBOCHARGER GP

S/N: 1DZ3603-UP

SMCS-1052, 1053 **i00720286**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**1W-1052**	1	TURBOCHARGER GP	201
	2	1	**1S-4295**	1	GASKET-TURBOCHARGER	
	3	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE	
		1	**2N-2766**	4	LOCKNUT (3/8-16 THD)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00256935

AIR INLET AND EXHAUST SYSTEM

1W-1052 TURBOCHARGER GP

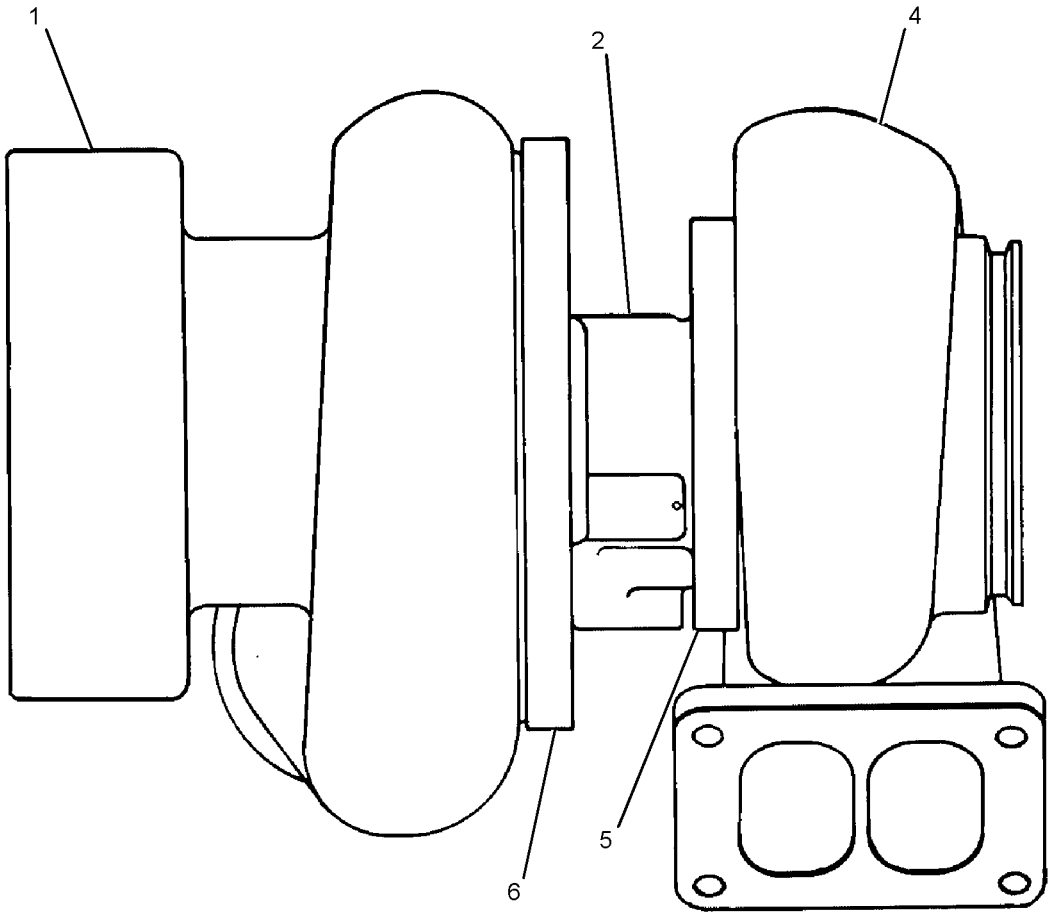
S/N: 1DZ3603-UP

PART OF 1W-0947 TURBOCHARGER GP

SMCS-1052, 1053 **i01955134**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-9564**	1	HOUSING-COMPRESSOR	
YR	2	1	**1W-1053**	1	CARTRIDGE GP-TURBOCHARGER	154
	4	1	**4N-6699**	1	HOUSING-TURBINE	
	5	1	**5S-4517**	1	CLAMP AS (TURBINE)	
	6	1	**5S-4558**	1	CLAMP AS-COMPRESSOR	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01016610

AIR INLET AND EXHAUST SYSTEM

1W-3728 TURBOCHARGER GP*R

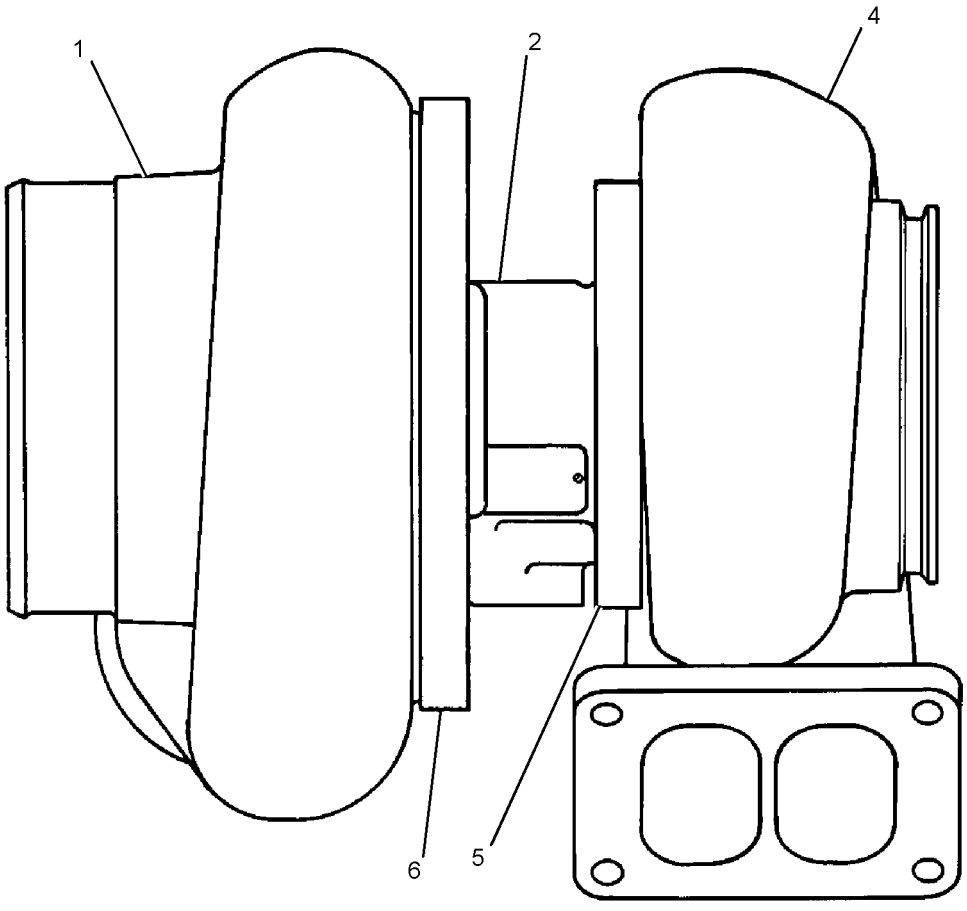
S/N: 1DZ3603-UP

PART OF 1W-4209 TURBOCHARGER GP

SMCS-1052, 1053 **i01955138**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-3730**	1	HOUSING-COMPRESSOR	
Y	2	1	**1W-3729**	1	CARTRIDGE GP-TURBOCHARGER	156
	4	1	**9N-0048**	1	HOUSING-TURBINE	
	5	1	**5S-4517**	1	CLAMP AS (TURBINE)	
	6	1	**2S-1304**	1	CLAMP AS (COMPRESSOR)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01016626

AIR INLET AND EXHAUST SYSTEM

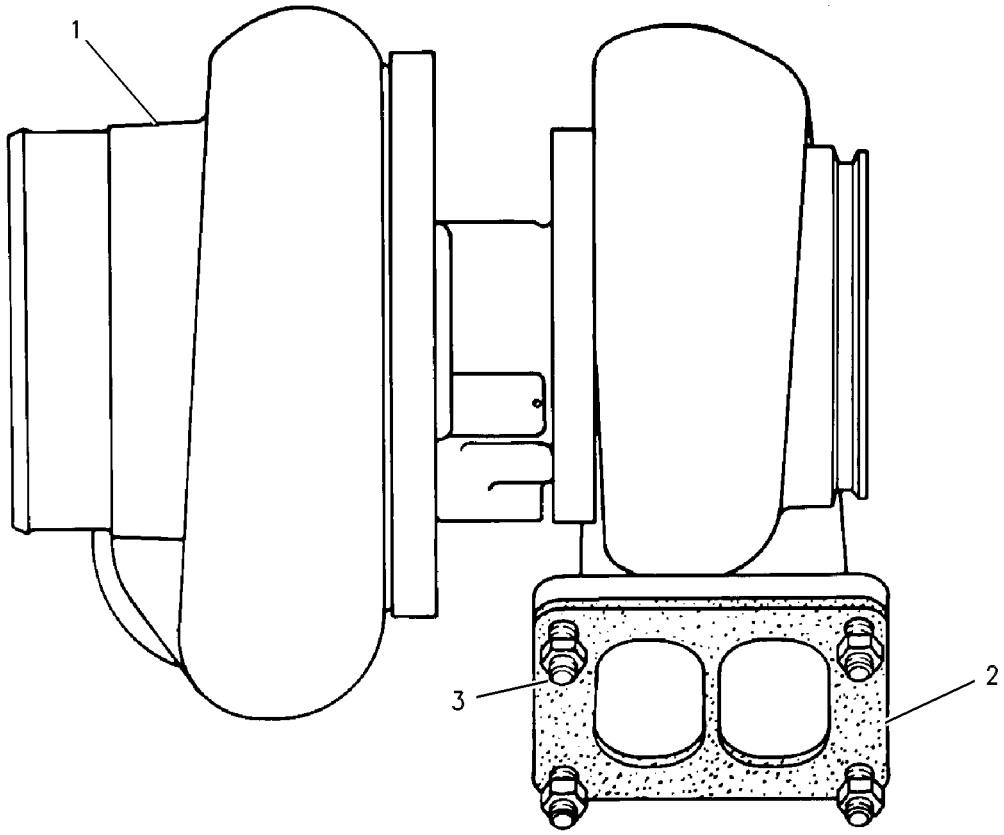
1W-4209 TURBOCHARGER GP

S/N: 1DZ3603-UP

SMCS-1052, 1053 **i00704286**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**1W-3728**	1	TURBOCHARGER GP	202
	2	1	**1S-4295**	1	GASKET-TURBOCHARGER	
	3	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE	
		1	**2N-2766**	4	LOCKNUT (3/8-16 THD)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00256939

AIR INLET AND EXHAUST SYSTEM

130-5469 TURBOCHARGER GP*R

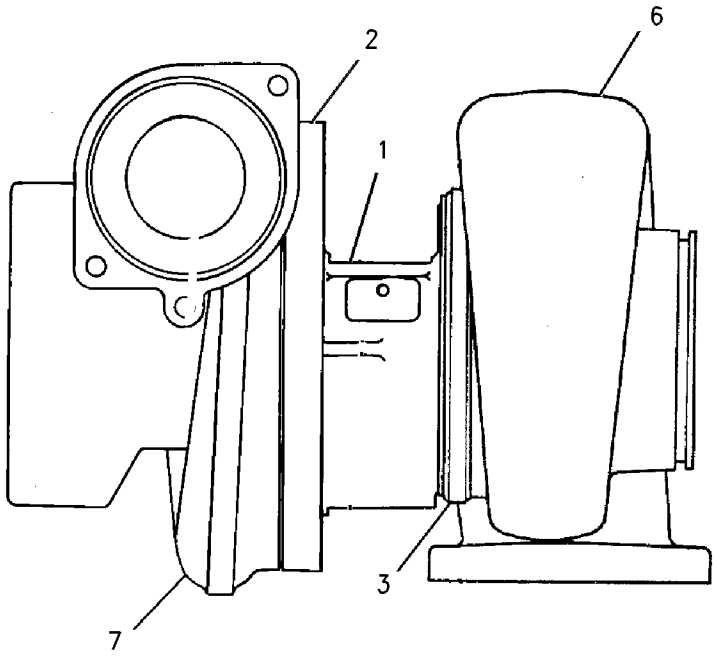
S/N: 1DZ3603-UP

PART OF 130-5622 TURBOCHARGER GP

SMCS-1052, 1053 **i01844015**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**141-1468**	1	CARTRIDGE GP-TURBOCHARGER	
	2	1	**2S-1304**	1	CLAMP AS (COMPRESSOR)	
	3	1	**5S-4517**	1	CLAMP AS (TURBINE)	
	6	1	**130-5470**	1	HOUSING-TURBINE	
	7	1	**101-7769**	1	HOUSING-COMPRESSOR	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00878670

AIR INLET AND EXHAUST SYSTEM

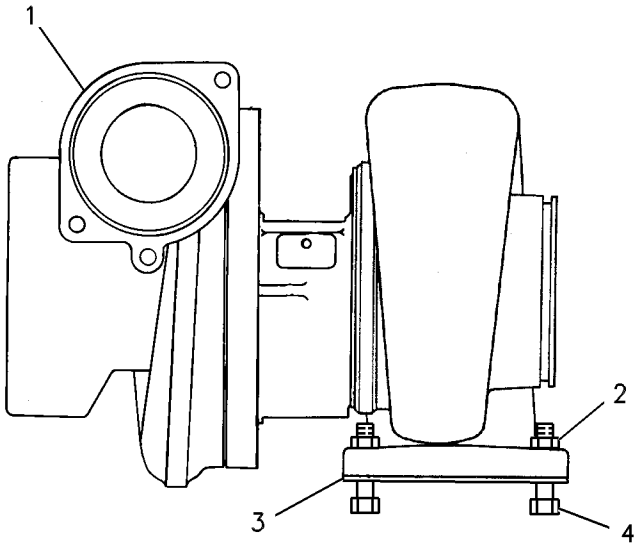
130-5622 TURBOCHARGER GP

S/N: 1DZ3603-UP

SMCS-1052, 1053 **i01061655**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**130-5469**	1	TURBOCHARGER GP	204
	2	1	**2N-2766**	4	LOCKNUT (3/8-16 THD)	
	3	1	**1S-4295**	1	GASKET-TURBOCHARGER	
	4	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE	

Y-SEPARATE ILLUSTRATION



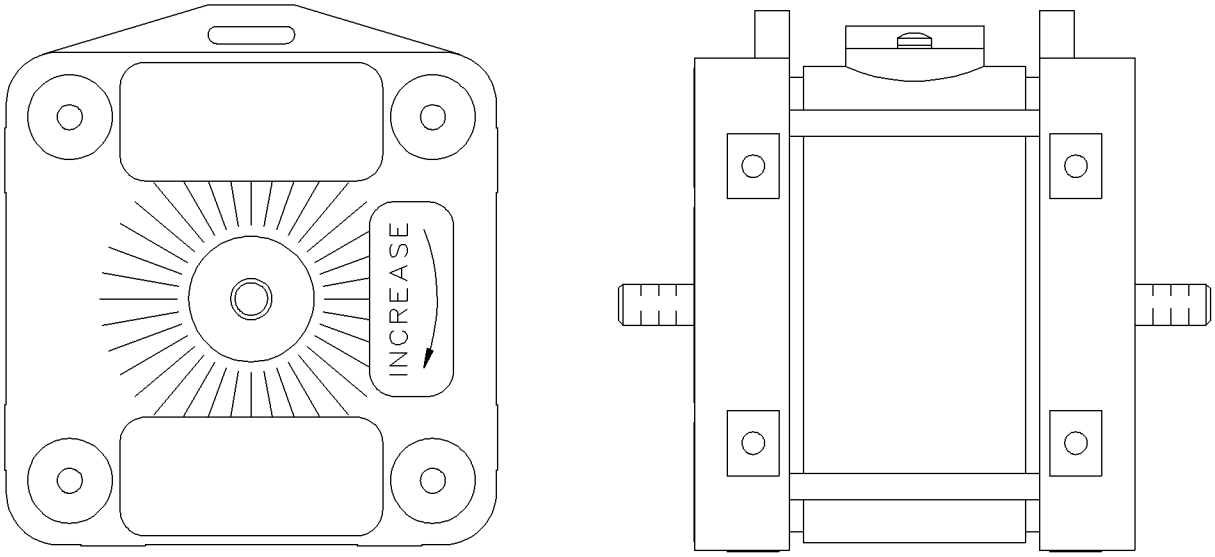
GRAPHIC #1 **<END>** g00121307

7E-0598 ACTUATOR AS-GOVERNOR

S/N: KPS1-UP
24 VOLT
AN ATTACHMENT

SMCS-1716 **i01504416**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00778071

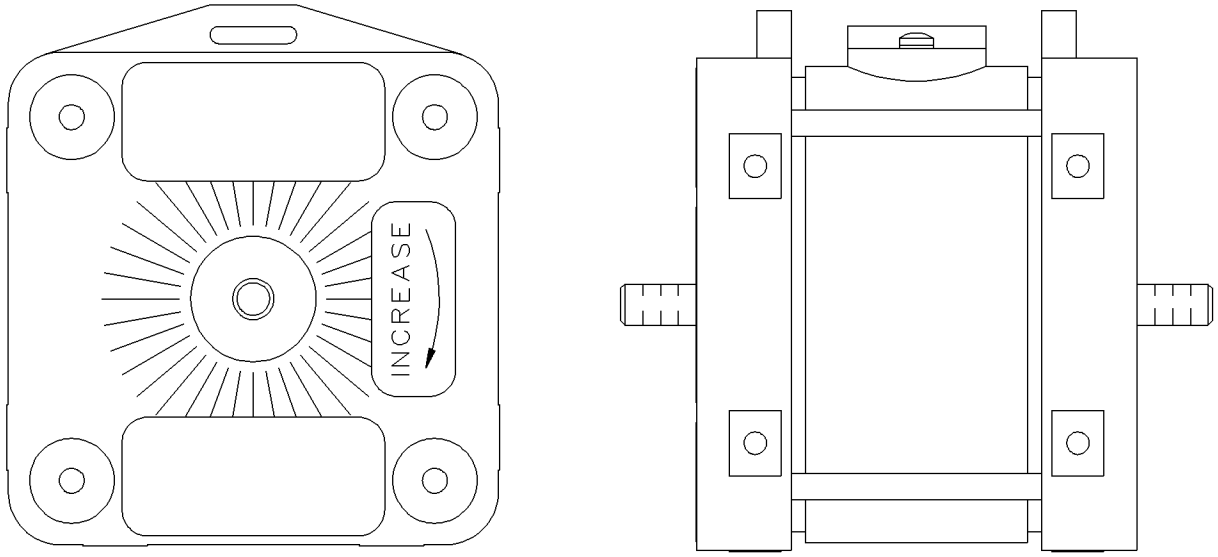
FUEL SYSTEM

111-4421 ACTUATOR AS-GOVERNOR

S/N: KPS1-UP
24 VOLT
AN ATTACHMENT

SMCS-1716 **i01503035**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	



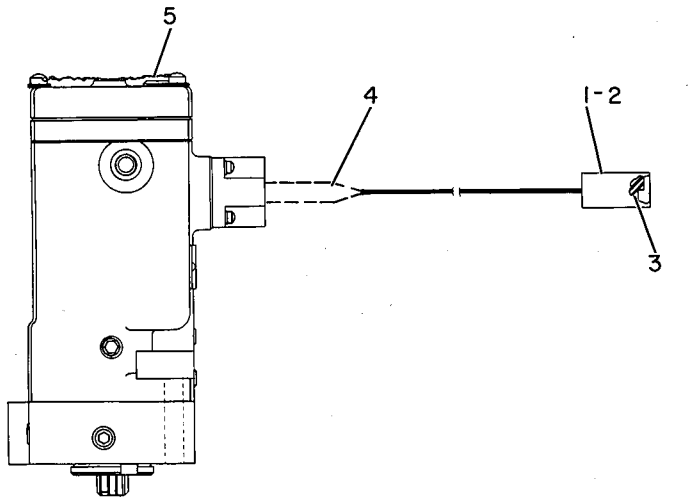
GRAPHIC #1 **<END>** g00778071

138-0777 ACTUATOR AS-GOVERNOR

S/N: KPS1-UP
SAE STANDARD ROTATION
AN ATTACHMENT

SMCS-1716 **i00991826**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-9738**	1	HOUSING-RECEPTACLE	
	2	1	**7N-7779**	1	SOCKET	
	3	1	**7N-7780**	1	PIN-CONNECTOR (BLADE)	
	4	1	**8C-8418**	1	LOCKWIRE	
	5	1	**8T-5677**	1	SLEEVE	



GRAPHIC #1 **<END>** g00170404

FUEL SYSTEM

141-2678 BASE AS-FUEL TANK

S/N: KPS1-UP
5685 L (1500 US GAL), 1016 MM (40 IN) HIGH
AN ATTACHMENT

SMCS-1273, 7060 **i00980372**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY	

<END>

131-5454 CONTROL AS-GOVERNOR

S/N: KPS1-UP

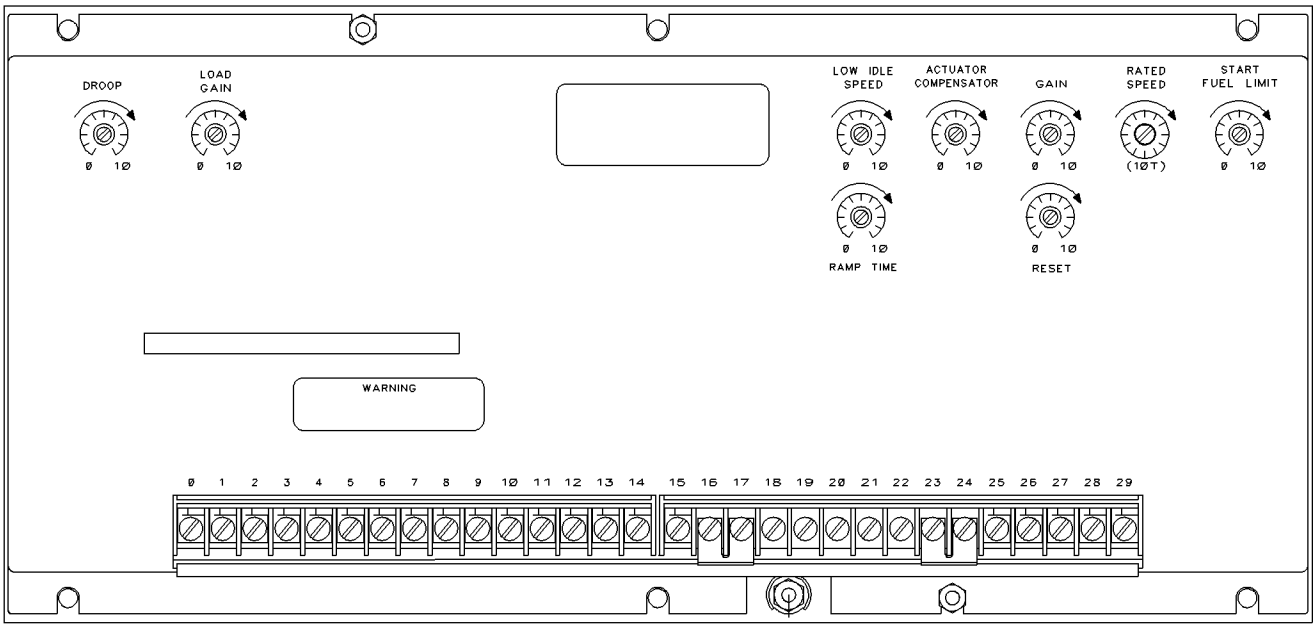
PART OF 7W-6542 CONTROL GP-GOVERNOR

FOR USE WITH WOODWARD ACTUATORS, NATURAL GAS AND DIESEL ENGINE APPLICATIONS

AN ATTACHMENT

SMCS-1264 **i01817423**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



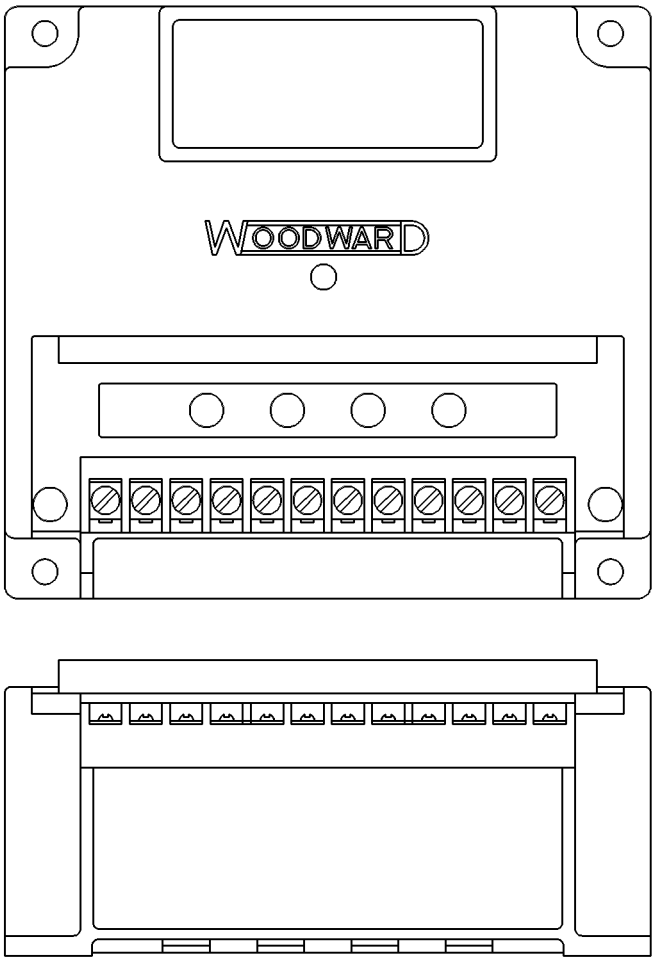
GRAPHIC #1 **<END>** g00928056

131-5455 CONTROL AS-GOVERNOR

S/N: KPS1-UP
24 VOLT DC. WITH FUEL START LIMIT
AN ATTACHMENT

SMCS-1264 **i01774527**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00272206

FUEL SYSTEM

131-5567 CONTROL AS-GOVERNOR

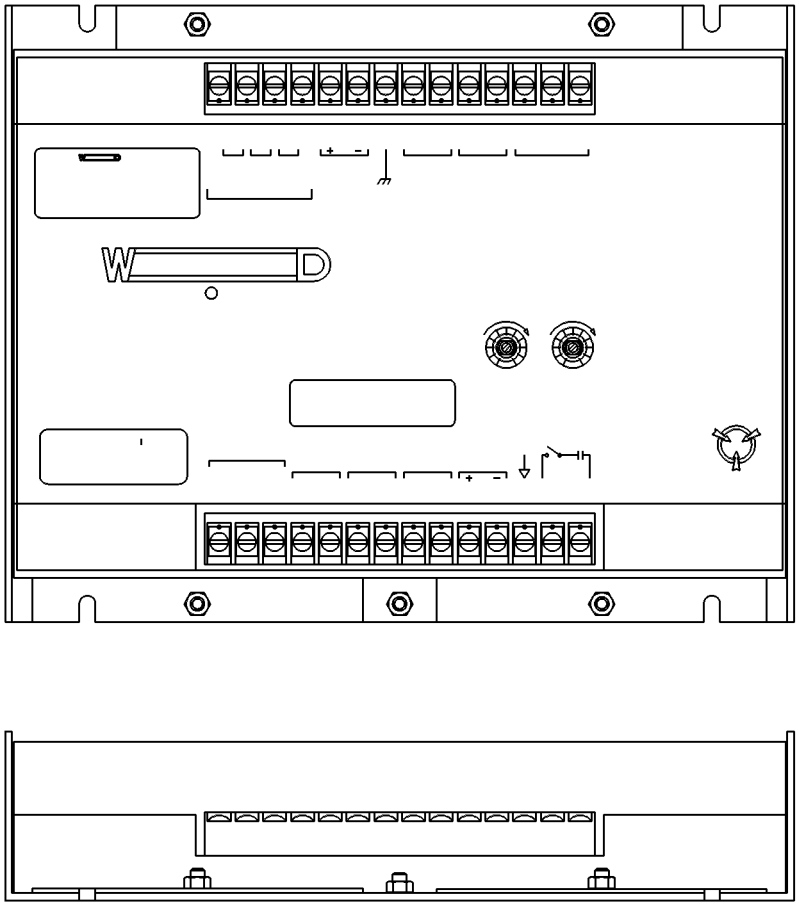
S/N: KPS1-UP

PROVIDES LOADSHARING CAPABILITIES

AN ATTACHMENT

SMCS-1264 **i01774529**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00272437

7E-8396 CONTROL GP-FUEL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

AUXILIARY

PART OF 145-9410, 151-5552 PANEL GP-CONTROL

SMCS-1265 **i01843429**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	4W-8790	1	BLOCK-FUSE (20 AMPS)	
	9Y-9781	1	FILM-IDENTIFICATION (20 AMP DC FUSE)	
	8M-0456	1	FUSE (20 AMP)	
	3T-2170	1	RELAY AS	
			—OR—	
	9Y-2921	1	RELAY	

<END>

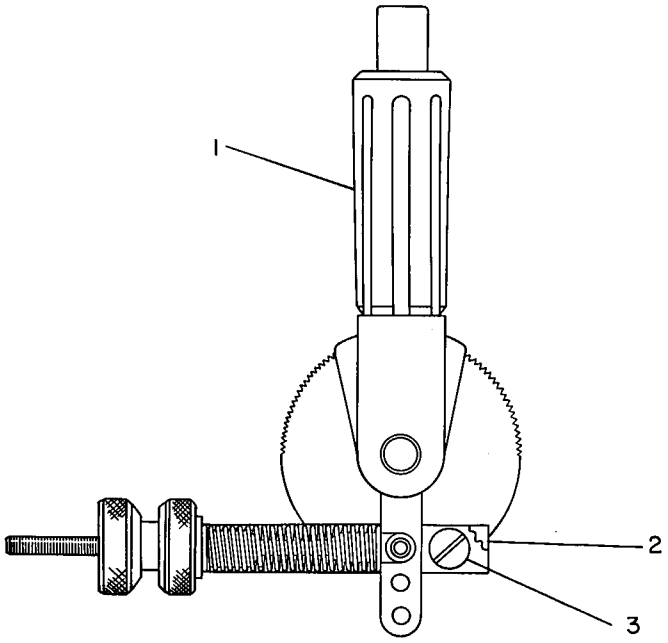
1W-7411 CONTROL GP-GOVERNOR

S/N: KPS1-UP
LH, VERNIER & POSITIVE LOCK
AN ATTACHMENT

SMCS-1265, 1276 **i00640320**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**4N-3829**	1	CONTROL GP-GOVERNOR	218
	2	1	**1W-7410**	1	SPACER-GOVERNOR CONTROL	
	3	1	**5P-0399**	2	SCREW-MACHINE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00157573

2W-3469 CONTROL GP-GOVERNOR

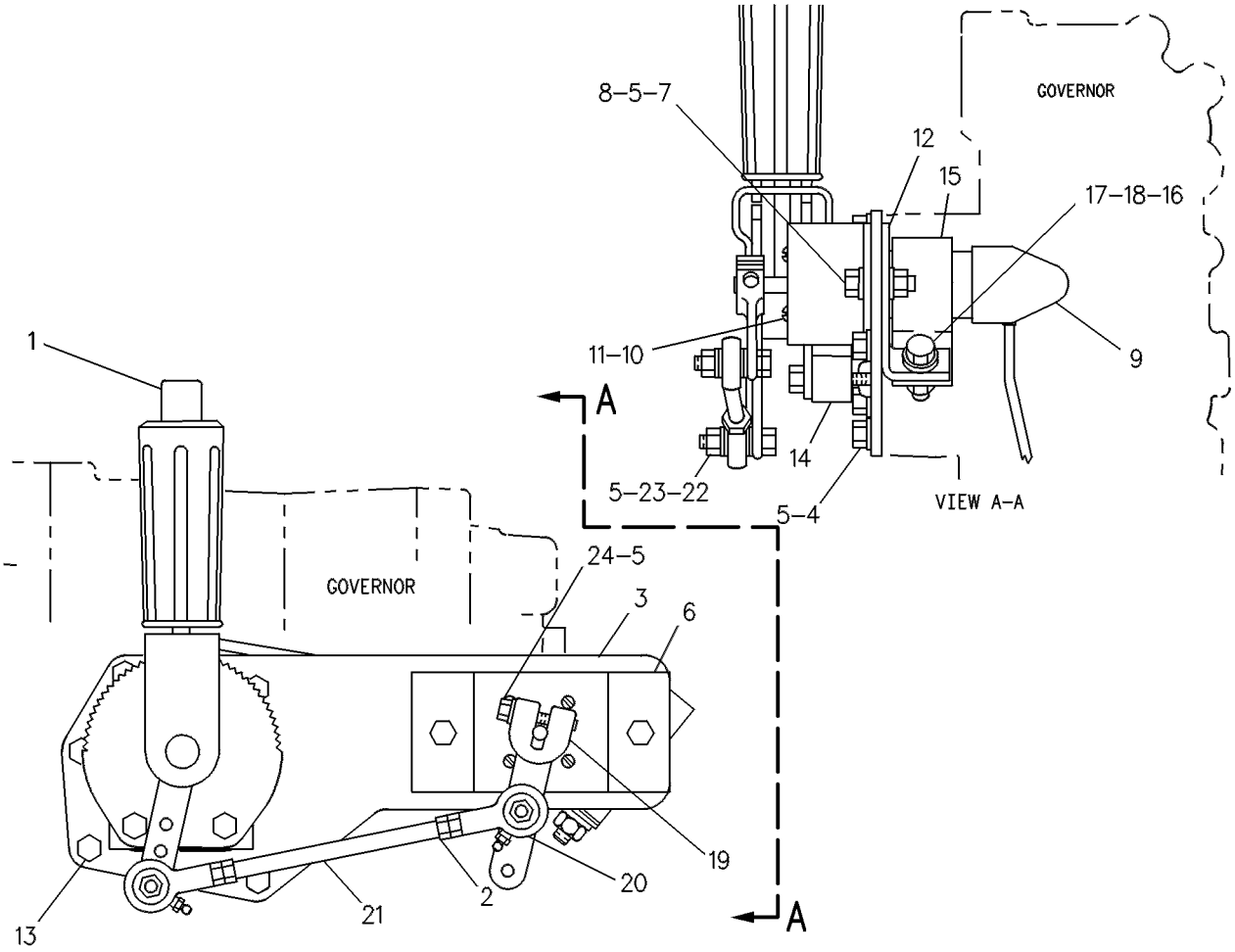
S/N: KPS1-UP
28 VOLT DC MOTOR
AN ATTACHMENT

SMCS-1265, 1276 **i00640691**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**4N-3828**	1	CONTROL GP-GOVERNOR	217
	2	1	**1A-8285**	2	NUT-JAM	
	3	1	**2W-3466**	1	PLATE	
	4	1	**1D-4533**	6	BOLT (1/4-20X2.25IN)	
	5	1	**5P-0537**	15	WASHER (2MM THK)	
	6	1	**2W-3467**	1	PLATE	
	7	1	**0S-1616**	2	BOLT (1/4-20X1 IN)	
	8	1	**9S-8750**	2	NUT-FULL (1/4-20 THD)	
C	9	1	**4W-7773**	1	MOTOR AS (GEAR)	
		1	**7G-8802**	1	MOTOR-GEAR	
		1	**7N-9738**	1	HOUSING-RECEPTACLE (1 PIN, 1 SOCKET)	
		1	**7N-7779**	1	SOCKET	
		1	**7N-7780**	1	PIN-CONNECTOR (BLADE)	
	10	1	**1H-8289**	4	SCREW-MACHINE	
	11	1	**3K-9089**	4	LOCKNUT	
	12	1	**5N-6501**	1	BRACKET	
	13	1	**1H-5514**	2	BOLT (5/16-18X1.625IN)	
	14	1	**1W-7410**	1	SPACER-GOVERNOR CONTROL	
	15	1	**5P-7854**	1	CLIP (31.8MM ID)	
C	16	1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
C	17	1	**0S-1594**	1	BOLT (3/8-16X1IN)	
C	18	1	**5M-2894**	2	WASHER (2.5MM THK)	
	19	1	**8N-0076**	1	LEVER-GOVERNOR	
	20	1	**7L-4186**	2	ROD END	
	21	1	**1L-2313**	1	ROD-CONTROL	
	22	1	**9F-6580**	2	BOLT (1/4-20X1.125IN)	
	23	1	**2D-6235**	2	LOCKNUT (1/4-20 THD)	
	24	1	**7B-2742**	1	BOLT (1/4-20X1.25IN)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

2W-3469 **CONTROL GP-GOVERNOR** ***(contd.)*** **i00640691**



GRAPHIC #1 **<END>** g00239462

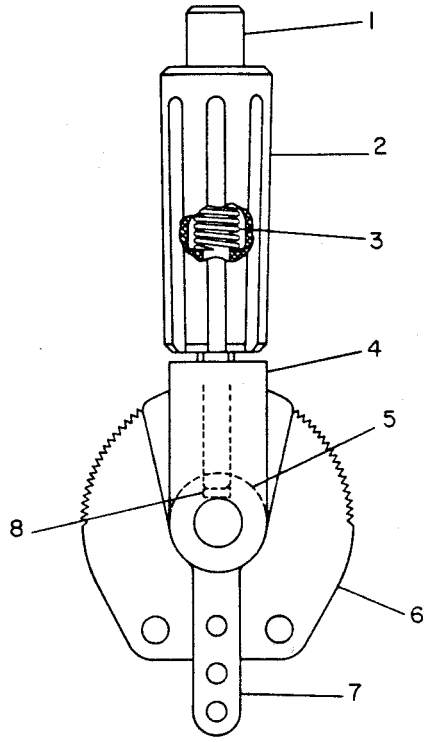
4N-3828 CONTROL GP-GOVERNOR

S/N: KPS1-UP
REMOTE & POSITIVE LOCKING
PART OF 2W-3469 CONTROL GP-GOVERNOR
AN ATTACHMENT

SMCS-1265, 1276 **i00639501**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**4W-2541**	1	SHAFT-GOVERNOR CONTROL	
	2	1	**4N-4523**	1	HANDLE AS	
C	3	1	**4W-2542**	1	SPRING	
	4	1	**4N-4520**	1	GUIDE	
	5	1	**8L-4282**	1	HUB	
C	6	1	**6N-0775**	1	RATCHET-GOVERNOR CONTROL	
	7	1	**4N-4519**	1	QUADRANT-CONTROL	
	8	1	**5K-0605**	1	PLUG	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00195610

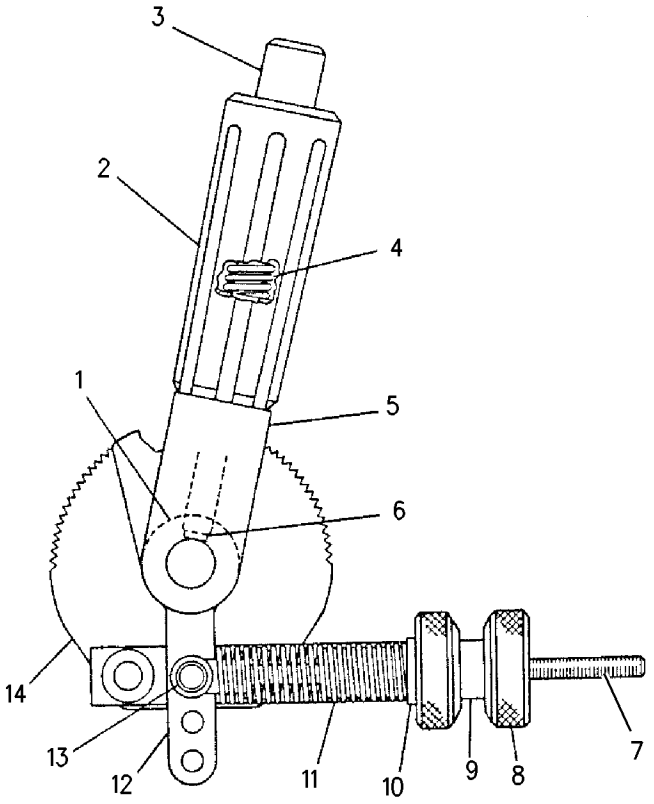
4N-3829 CONTROL GP-GOVERNOR

S/N: KPS1-UP
POSITIVE LOCK & VERNIER
PART OF 1W-7411 CONTROL GP-GOVERNOR
AN ATTACHMENT

SMCS-1265, 1276 **i01791102**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-4282**	1	HUB	
	2	1	**4N-4523**	1	HANDLE AS	
C	3	1	**4W-2541**	1	SHAFT-GOVERNOR CONTROL	
C	4	1	**4W-2542**	1	SPRING	
	5	1	**4N-4520**	1	GUIDE	
	6	1	**5K-0605**	1	PLUG	
	7	1	**3N-3786**	1	ROD-THROTTLE CONTROL	
	8	1	**6B-5150**	2	LOCKNUT	
	9	1	**3N-3787**	1	BRACKET-CONTROL	
	10	1	**4J-6750**	1	SPACER	
	11	1	**2H-0210**	1	SPRING-SHUTOFF	
	12	1	**4N-4519**	1	QUADRANT-CONTROL	
	13	1	**1K-6539**	1	PIN	
		1	**3B-4604**	1	PIN-COTTER	
C	14	1	**6N-0775**	1	RATCHET-GOVERNOR CONTROL	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00917619

FUEL SYSTEM

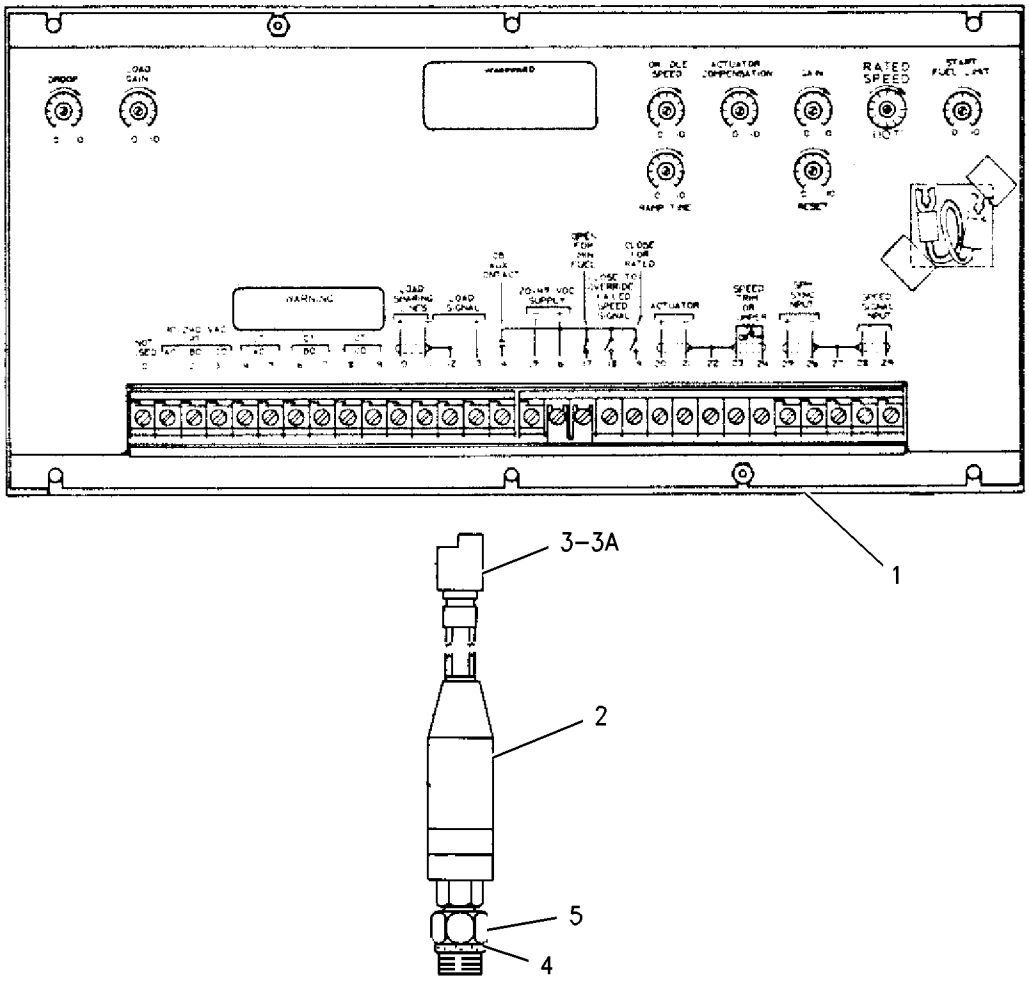
7W-6542 CONTROL GP-GOVERNOR

S/N: KPS1-UP
WOODWARD 2301 LOADSHARING
AN ATTACHMENT

SMCS-1265, 1276 **i01956451**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	**131-5454**	1	CONTROL AS-GOVERNOR	210
	2	1	**6T-4949**	1	SWITCH AS (FUEL PRESSURE)	
	3	1	**7N-9738**	1	HOUSING-RECEPTACLE	
		1	**7N-7780**	1	PIN-CONNECTOR	
		1	**7N-7779**	1	SOCKET-CONNECTOR	
	3A	1	**3J-1907**	1	SEAL-O-RING	
	4	1	**2M-9780**	1	SEAL-O-RING	
	5	1	**5P-1404**	1	ADAPTER-O-RING	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00733023

108-0136 CONTROL GP-GOVERNOR

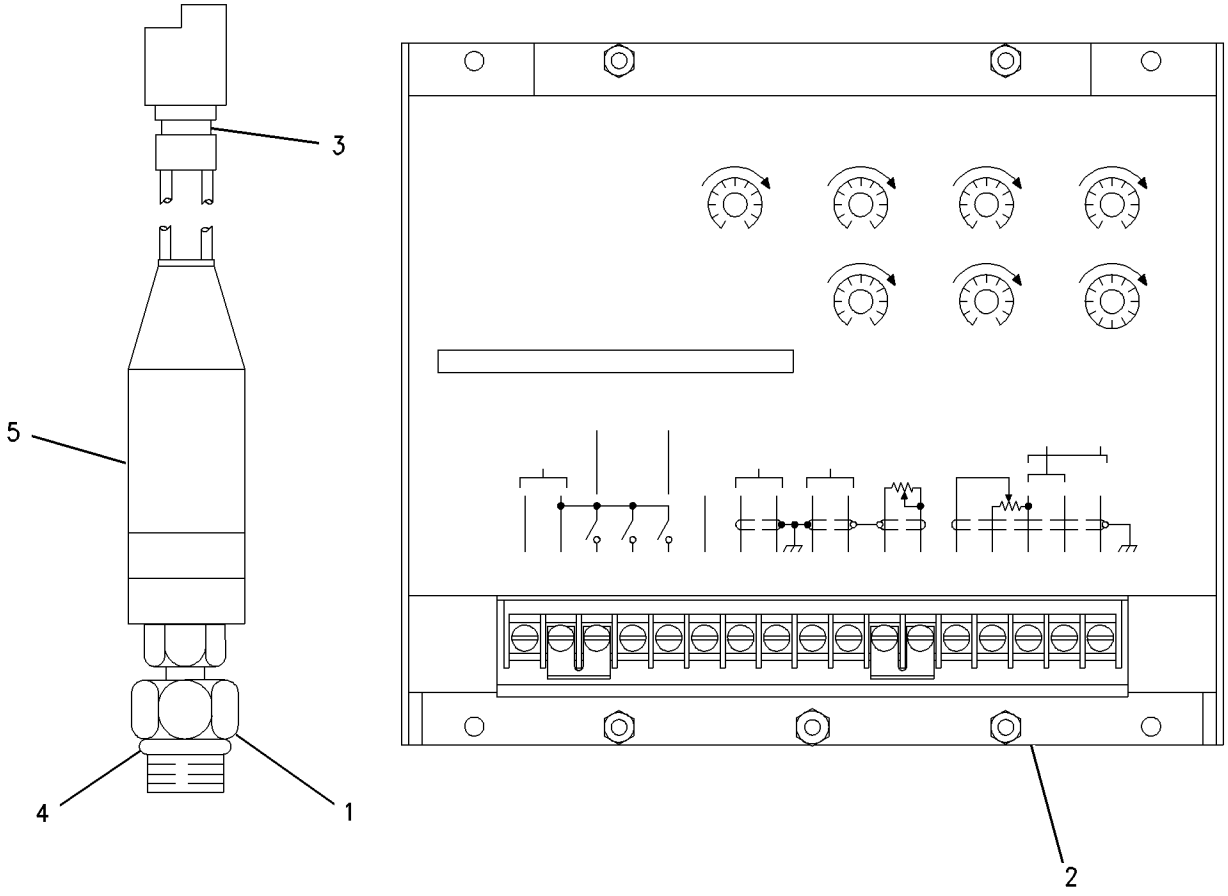
S/N: KPS1-UP

REQUIRES ENGINE MOUNTED PROTECTION SYSTEM JUNCTION BOX

AN ATTACHMENT

SMCS-1265, 1276 **i01390440**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-1404**	1	ADAPTER-O-RING (STRAIGHT THREAD)	
	2	1	**131-5453**	1	CONTROL AS-GOVERNOR	
	3	1	**3J-1907**	1	SEAL-O-RING (11.89MM ID)	
	4	1	**2M-9780**	1	SEAL-O-RING (19.18MM ID)	
	5	1	**6T-4949**	1	SWITCH AS (FUEL PRESSURE)	



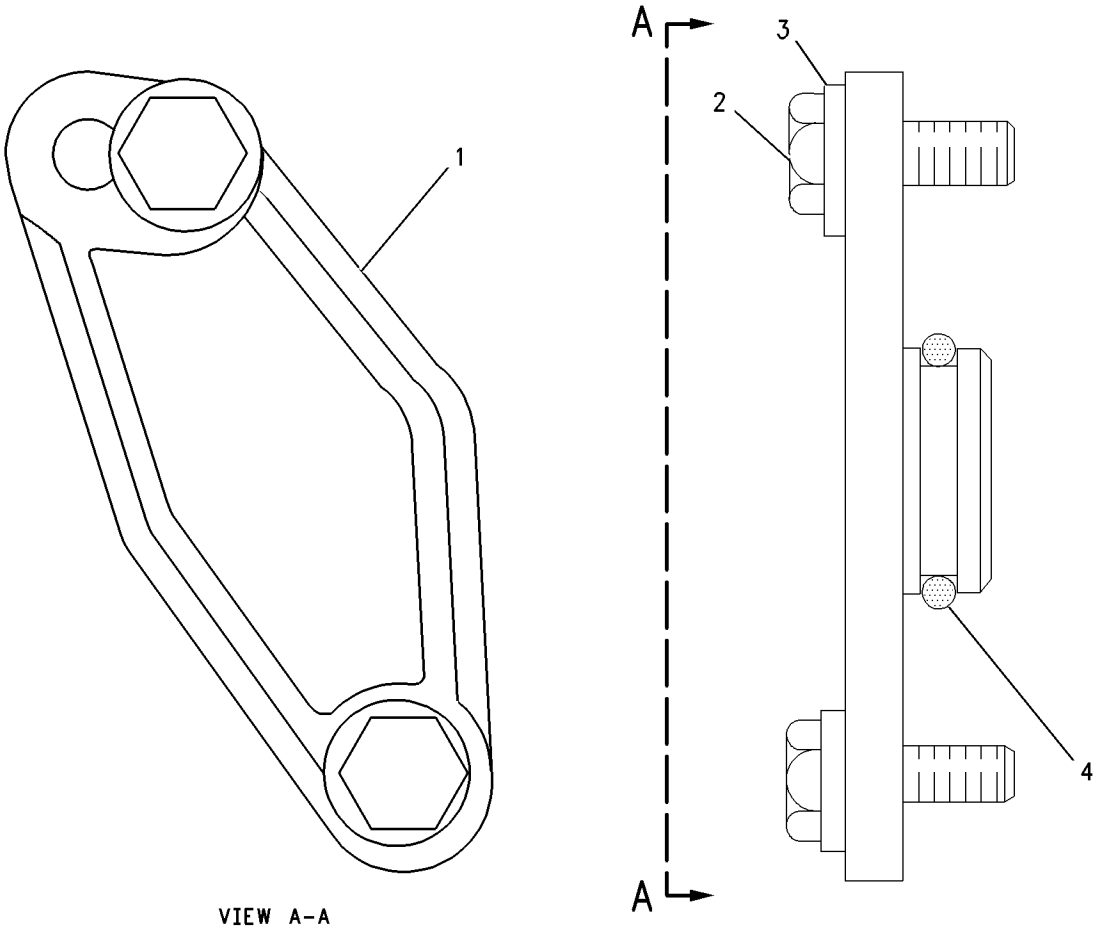
GRAPHIC #1 **<END>** g00733843

4W-1727 COVER GP-FUEL TRANSFER

S/N: KPS1-UP
CANNOT BE USED WITH TACH DRIVE AND/OR SERVICE METER
AN ATTACHMENT

SMCS-1256 **i01849087**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-8082**	1	COVER	
	2	1	**0S-1615**	2	BOLT (1/4-20X0.75 IN)	
	3	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	4	1	**4M-8303**	1	SEAL-O-RING	



VIEW A-A

GRAPHIC #1 **<END>** g00726234

FUEL SYSTEM

1W-1205 DRIVE GP-GOVERNOR

S/N: KPS1-UP
WOODWARD
PART OF 132-3122, 2W-8030 PUMP GP-GOV DRIVE & FUEL INJ
AN ATTACHMENT

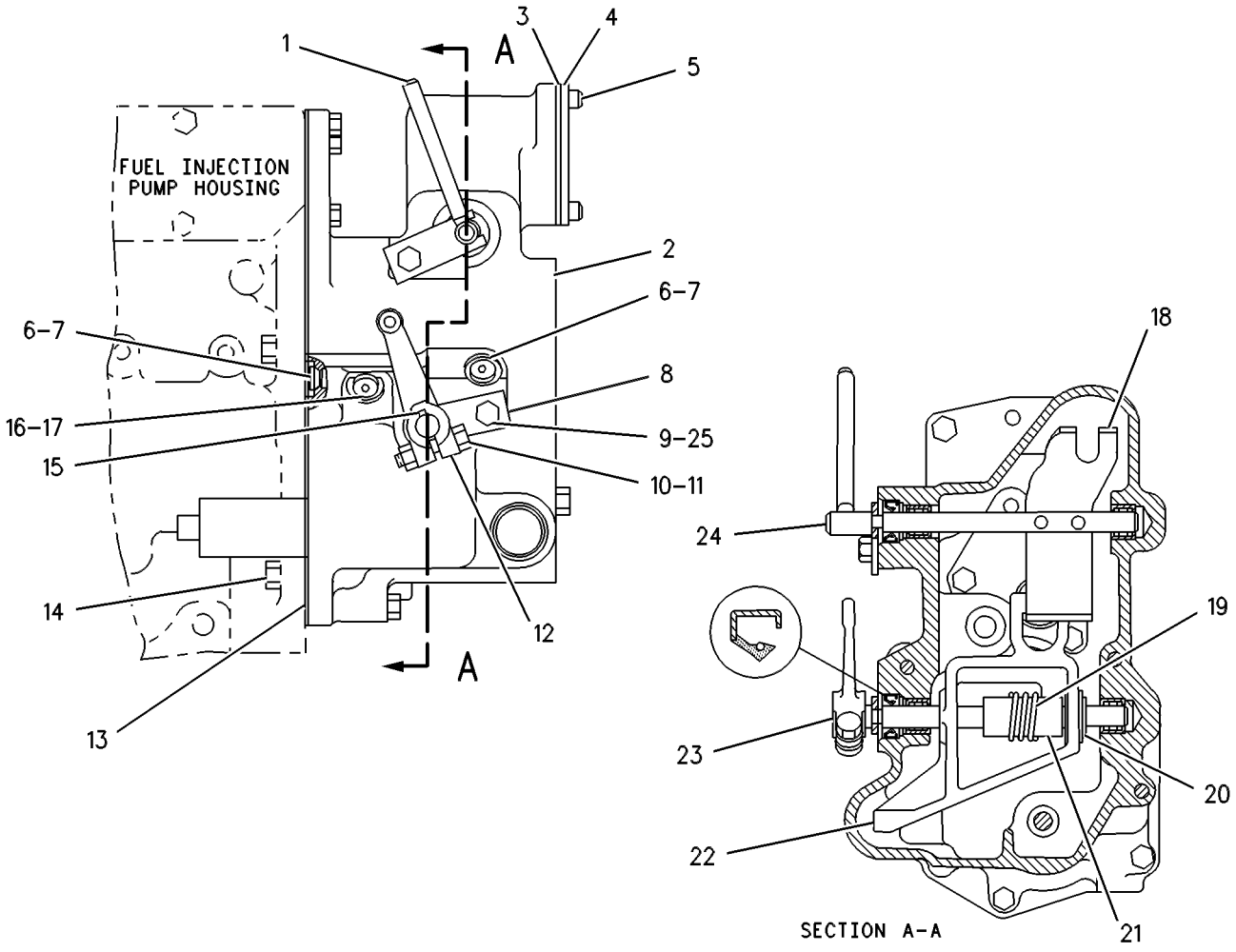
SMCS-1288 **i01734537**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7L-4984**	1	STUD-TAPERLOCK	
Y	2	1	**1W-1204**	1	HOUSING AS-GOVERNOR DRIVE	250
	3	1	**6L-1597**	1	GASKET	
	4	1	**3L-5987**	1	COVER	
	5	1	**8H-0708**	2	BOLT (1/4-20X0.5IN)	
	6	1	**7J-0204**	2	SEAL-O-RING	
	7	1	**9S-8007**	2	PLUG (3/8-24 THD)	
	8	1	**7N-1599**	2	PLATE-RETAINING	
	9	1	**0S-1614**	2	BOLT (1/4-20X0.5 IN)	
	10	1	**2A-4996**	1	BOLT (3/8-24X1.375 IN)	
	11	1	**2L-6267**	1	LOCKNUT	
	12	1	**3B-6424**	1	LEVER-CONTROL ROD	
	13	1	**1W-1186**	1	GASKET	
	14	1	**0S-1616**	2	BOLT (1/4-20X1 IN)	
	15	1	**5H-2532**	1	KEY-WOODRUFF	
	16	1	**4J-7533**	1	SEAL-O-RING	
	17	1	**9S-8001**	1	PLUG	
	18	1	**1W-1187**	1	LEVER-SHUTOFF	
	19	1	**1W-1189**	1	SPRING-CONTROL SHAFT	
	20	1	**7S-5757**	1	RING-RETAINING	
	21	1	**1W-1190**	1	SLEEVE	
	22	1	**1W-1191**	1	LEVER-CONTROL	
	23	1	**1W-1192**	1	SHAFT-GOVERNOR CONTROL	
	24	1	**1W-1188**	1	SHAFT-SHUTOFF	
C	25	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
C	26	2	**2N-5920**	1	EXTENSION-RACK	
	27	2	**0S-1616**	3	BOLT (1/4-20X1 IN)	
	28	2	**6F-7027**	2	BOLT (1/4-28X.5 IN)	
C	29	2	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	30	2	**8N-2148**	1	COUPLING	
	31	2	**031-0216**	6	BOLT (1/4-20X0.75 IN)	
	32	2	**1W-1200**	1	GEAR-TACHOMETER DRIVE (29 TEETH)	
	33	2	**1W-1202**	1	GEAR AS-GOVERNOR DRIVE (56 TEETH)	
	34	2	**3L-3324**	1	PIN	
	35	2	**1N-9882**	1	BOLT-LOCKING	
C	36	2	**2S-4652**	1	WASHER	
	37	2	**8N-3238**	1	GEAR (16 TEETH)	
	38	2	**8H-9186**	1	SPRING	
C	39	2	**031-0216**	3	BOLT (1/4-20X0.75 IN)	
	40	2	**1W-1198**	1	SUPPORT AS	
		2	**5H-5744**	1	BUSHING-TERMINAL	
	41	2	**1A-4907**	1	GASKET	
	42	2	**1W-1185**	1	SETSCREW	
	43	2	**7S-6798**	1	SEAL-LIP	
	44	2	**5N-4227**	2	WASHER-FUEL LINE	
	45	2	**2H-3429**	1	RING-RETAINING	
	46	2	**1W-1196**	1	GEAR AS-TACHOMETER DRIVE (29 TEETH)	
	47	2	**6F-5926**	1	NUT	
	48	2	**1W-1184**	1	COVER-SCREW	
	49	2	**5D-4697**	1	BOLT-12 POINT HEAD (1/4-20X1.0IN)	
	50	2	**4L-3776**	1	BOLT (1/4-20X4.75IN)	
	51	2	**4J-7533**	1	SEAL-O-RING	
	52	2	**9S-8001**	1	PLUG	
	53	2	**1B-2717**	1	BOLT (1/4-20X5.5IN)	

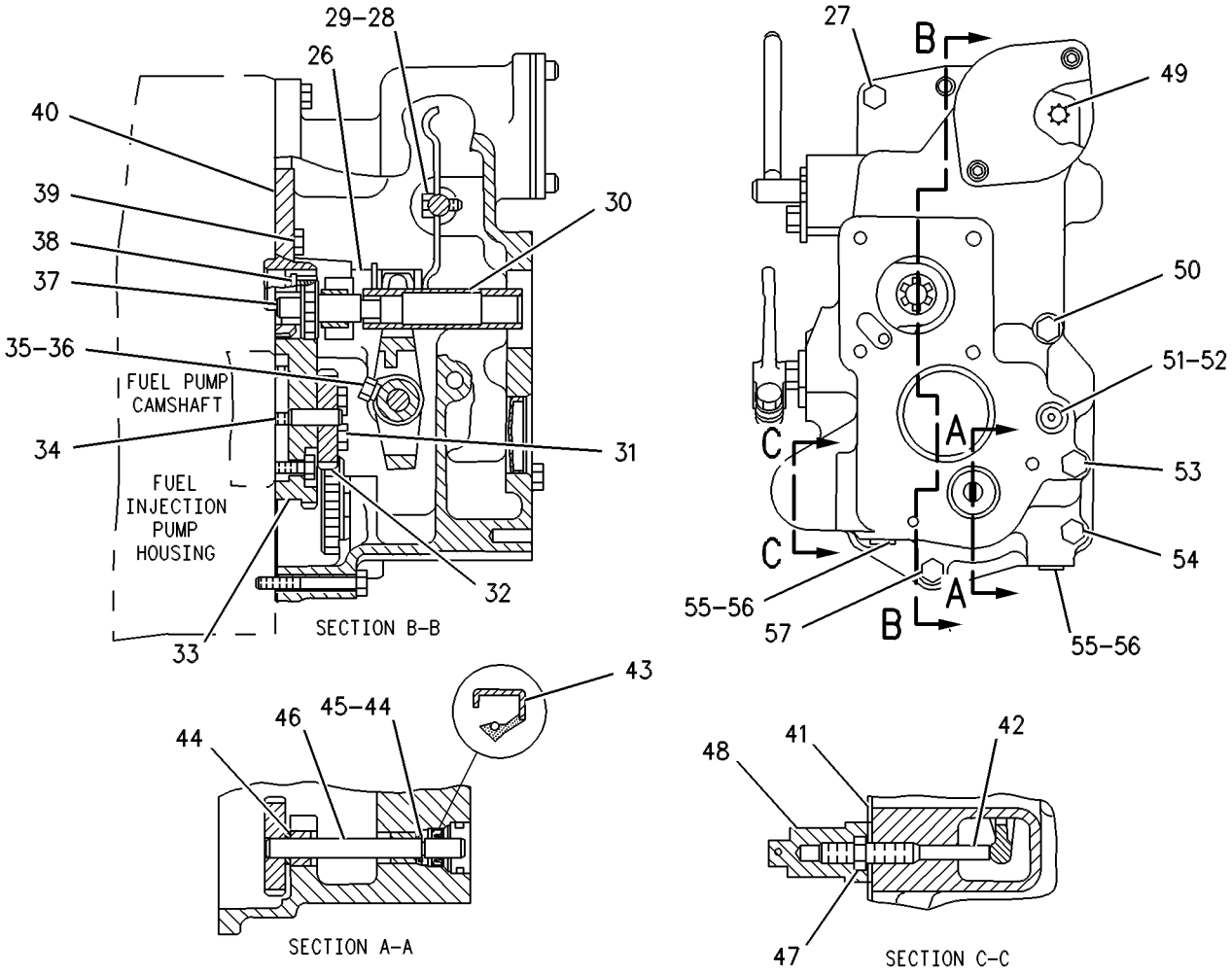
1W-1205 **DRIVE GP-GOVERNOR** *(contd.)* **i01734537**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	54	2	**1B-2714**	1	BOLT (1/4-20X2.5 IN)	
	55	2	**7J-0204**	2	SEAL-O-RING	
	56	2	**9S-8007**	2	PLUG (3/8-24 THD)	
	57	2	**8B-2377**	1	BOLT (1/4-20X2 IN)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 g00428989



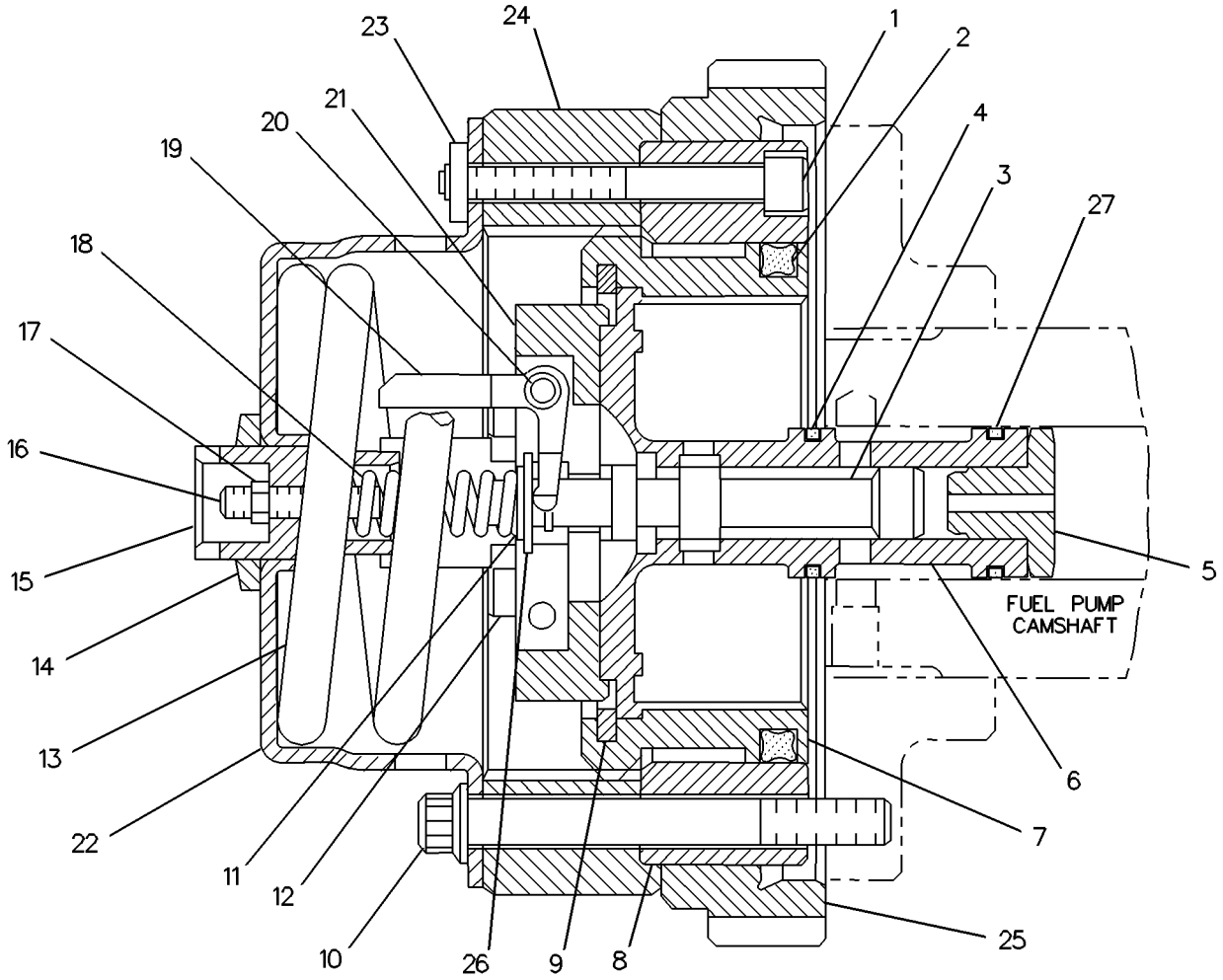
GRAPHIC #2 **<END>** g00428990

4P-1365 DRIVE GP-GOVERNOR & FUEL PUMP

S/N: 1DZ3603-UP

SMCS-1288 **i00704336**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6H-3958**	4	BOLT-SOCKET HEAD (1/4-20X2.5IN)	
	2	1	**9X-7715**	1	SEAL-LOBED (90.93MM ID)	
	3	1	**1W-5438**	1	SPOOL	
	4	1	**4W-0435**	1	SEAL-QUAD RING	
	5	1	**4W-4617**	1	PLUG	
	6	1	**4P-1369**	1	BODY-VALVE	
	7	1	**4P-1368**	1	CARRIER-DRIVE	
	8	1	**7W-3218**	1	RING-GUIDE	
	9	1	**5H-0793**	1	LOCKRING	
	10	1	**6V-7543**	4	BOLT-12 POINT HEAD	
	11	1	**009-3101**	1	RING-RETAINER	
	12	1	**8T-7893**	4	BOLT	
	13	1	**1W-5427**	1	SPRING	
	14	1	**3K-3467**	1	NUT-WHEEL (7/8-20 THD)	
	15	1	**7W-7663**	1	SCREW-ADJUSTMENT	
	16	1	**3E-4301**	1	SETSCREW-SOCKET	
	17	1	**8L-5832**	1	NUT-HEX (10-32 THD)	
	18	1	**4P-1358**	1	SPRING	
	19	1	**7N-7264**	4	WEIGHT-GOVERNOR	
	20	1	**1S-5440**	4	DOWEL	
	21	1	**1W-5434**	1	CARRIER-WEIGHT	
	22	1	**1W-5441**	1	RETAINER AS-SPRING	
	23	1	**5P-3383**	4	NUT-WELD (1/4-20 THD)	
	24	1	**1W-5431**	1	RING-DRIVE	
	25	1	**7W-0993**	1	GEAR-PUMP DRIVE (64 TEETH)	
	26	1	**4N-2927**	1	RACE-THRUST BEARING	
	27	1	**4W-4616**	1	SEAL-QUAD RING	



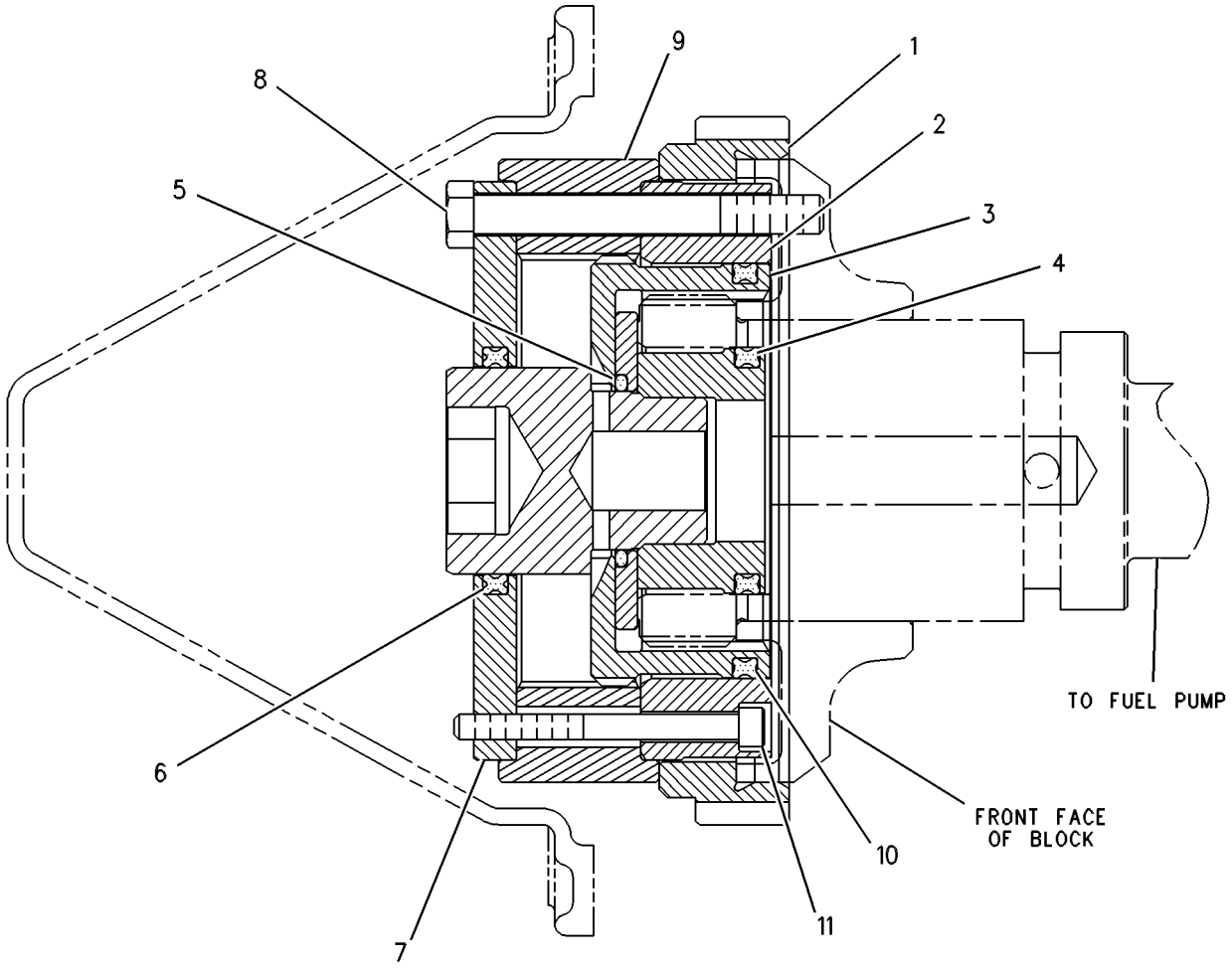
GRAPHIC #1 **<END>** g00213975

110-1282 DRIVE GP-GOVERNOR & FUEL PUMP

S/N: 1DZ3603-UP

SMCS-1288 **i01378954**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-0993**	1	GEAR-PUMP DRIVE (64 TEETH)	
	2	1	**100-2848**	1	RING-GUIDE	
	3	1	**110-1284**	1	CARRIER AS	
	4	1	**4W-2754**	1	SEAL-QUAD RING (50.17MM ID) (LOBED)	
	5	1	**061-7540**	1	SEAL-O-RING (37.69MM ID)	
	6	1	**4W-2754**	1	SEAL-QUAD RING (50.17MM ID)	
	7	1	**100-2849**	1	PLATE	
	8	1	**0T-0065**	8	BOLT (3/8-16X3.5 IN)	
	9	1	**100-2851**	1	RING-DRIVE	
	10	1	**9X-7715**	1	SEAL-LOBED (90.93MM ID)	
	11	1	**6J-2819**	8	BOLT-SOCKET HEAD (1/4-20X2.75IN)	



GRAPHIC #1 **<END>** g00108893

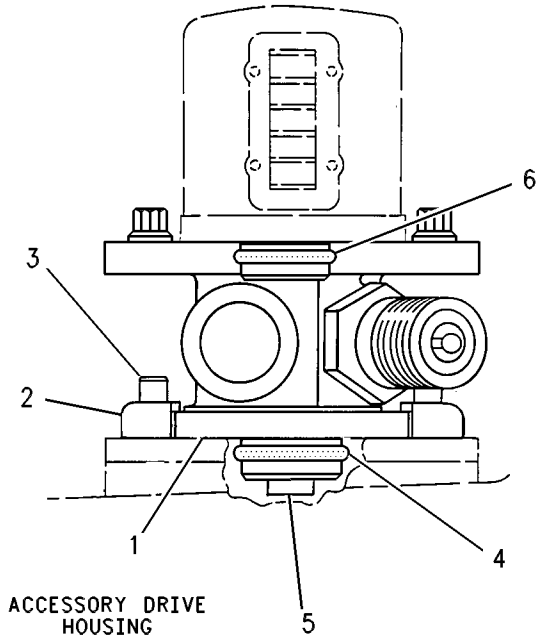
1W-8235 DRIVE GP-TACHOMETER

S/N: KPS1-UP
SINGLE
AN ATTACHMENT

SMCS-7487 **i00929775**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-4581**	1	ADAPTER AS	
	2	1	**9S-0211**	2	CLAMP-METER	
	3	1	**8H-3127**	2	BOLT (1/4-20X3/4 IN)	
	4	1	**4M-8303**	1	SEAL-O-RING (20.29MM ID)	
	5	1	**4N-0538**	1	COUPLING	
B	6	1	**4M-8303**	1	SEAL-O-RING (20.29MM ID)	

B-USE AS REQUIRED



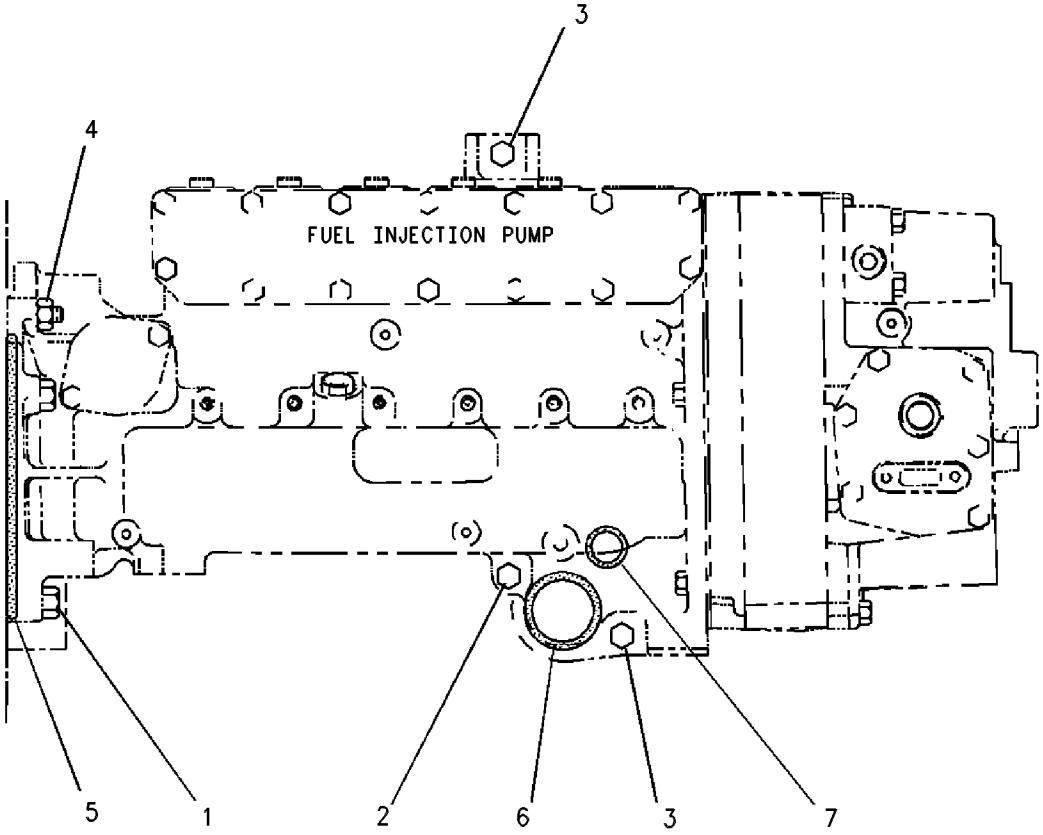
GRAPHIC #1 **<END>** g00420007

1W-7376 FASTENER GP-FUEL INJ PUMP

S/N: 1DZ3603-UP

SMCS-1251 **i01646202**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1571**	2	BOLT (3/8-16X1.75 IN)	
	2	1	**5P-0076**	1	BOLT-12 POINT HEAD (3/8-16X1.50 IN)	
	3	1	**034-4288**	2	BOLT-12 POINT HEAD (3/8-16X1.125 IN)	
	4	1	**9S-8752**	2	NUT-FULL (3/8-16 THD)	
	5	1	**6V-3319**	1	SEAL-O-RING	
	6	1	**5P-5846**	1	SEAL-O-RING	
	7	1	**2N-3350**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00604548

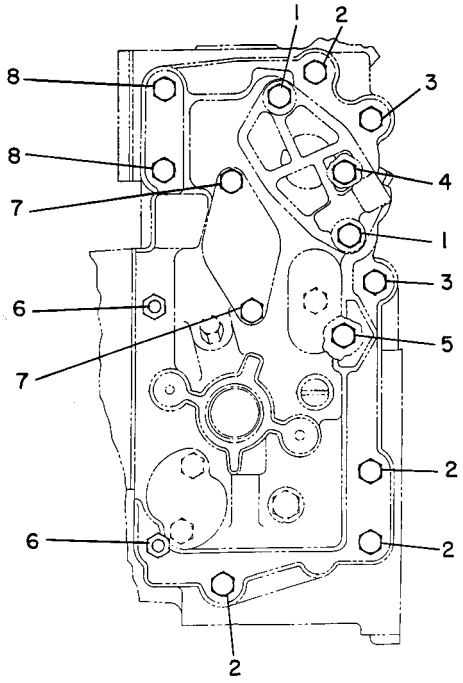
9Y-1234 FASTENER GP-FUEL INJ PUMP

S/N: 1DZ3603-UP

PART OF 131-1955, 2W-8543, 2W-9103, 4P-0667 PUMP GP-GOV & FUEL INJ

SMCS-1251 **i01954652**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5B-7040**	2	BOLT (1/4X20X1IN)	
	2	1	**8S-4710**	4	BOLT (1/4-20X4 IN)	
	3	1	**7B-2742**	2	BOLT (1/4-20X1.25 IN)	
	4	1	**8F-8178**	1	BOLT (1/4-20X3.25 IN)	
	5	1	**7X-0869**	1	BOLT-LOCKING	
	6	1	**6V-5894**	2	BOLT (1/4-20X3.75 IN)	
	7	1	**4F-7957**	2	BOLT (1/4-20X0.875 IN)	
	8	1	**1B-2716**	2	BOLT (1/4-20X5IN)	



GRAPHIC #1 **<END>** g00118632

1W-1179 FASTENER GP-GOVERNOR

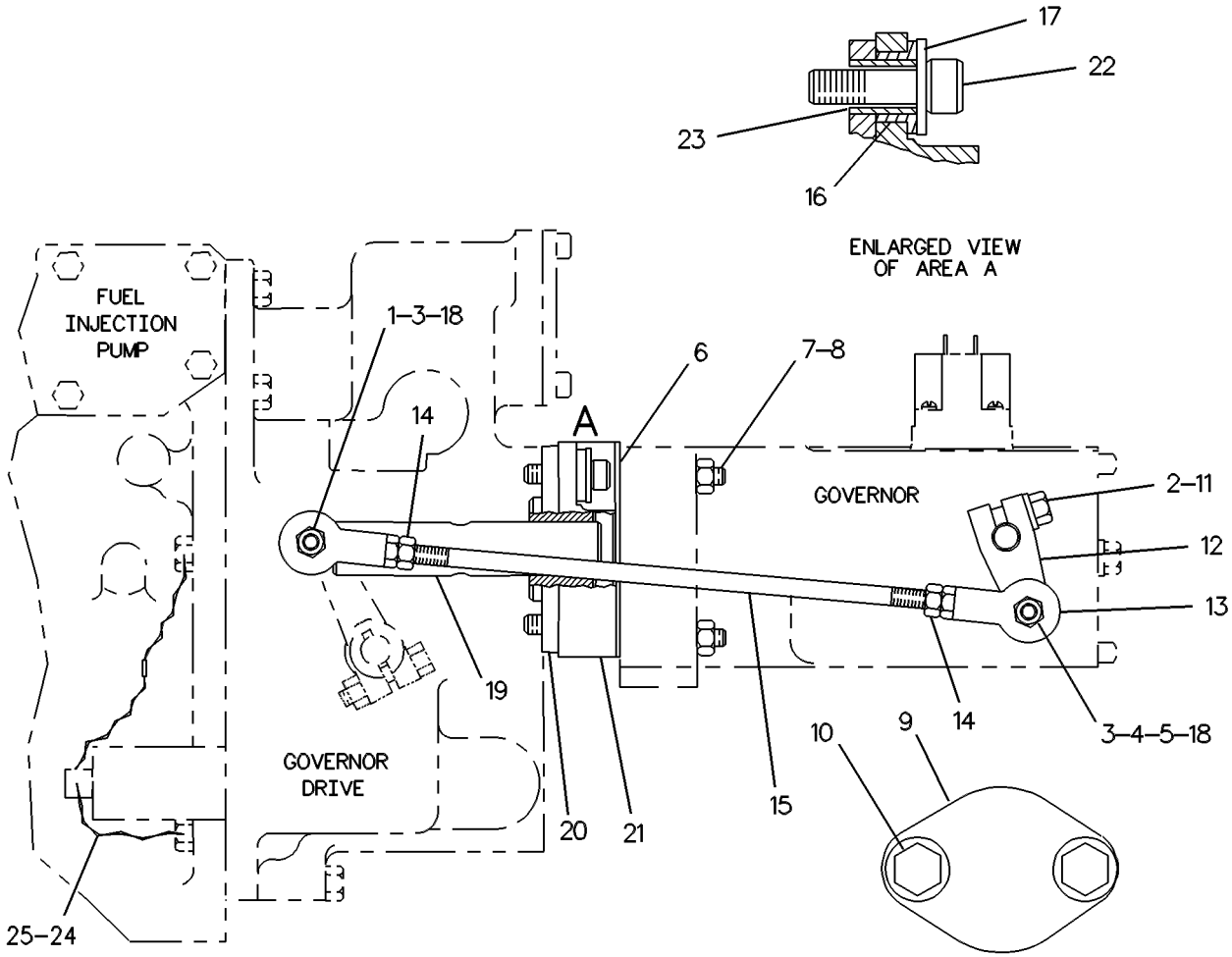
S/N: KPS1-UP
FOR USE WITH 108-0136—PAGE 220
AN ATTACHMENT

SMCS-1264 **i00641258**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1B-1293**	1	BOLT (5/16-24X1.25IN)	
	2	1	**5P-0537**	1	WASHER (2MM THK)	
	3	1	**3D-8752**	2	LOCKNUT (5/16-24 THD)	
	4	1	**1B-0581**	1	BOLT (5/16-24X1.5IN)	
	5	1	**9J-8050**	1	SPACER	
	6	1	**6N-2645**	1	GASKET-ACTUATOR	
	7	1	**6L-9888**	2	STUD-TAPERLOCK	
	8	1	**5S-0003**	2	NUT-FULL (5/16-18 THD)	
	9	1	**4N-0794**	1	COVER	
		1	**7C-0307**	1	GASKET	
	10	1	**0S-1594**	2	BOLT (3/8-16X1IN)	
		1	**5M-2894**	2	WASHER (2.5MM THK)	
	11	1	**4F-7957**	1	BOLT (1/4-20X.875IN)	
	12	1	**2W-4869**	1	LEVER-GOVERNOR	
C	13	1	**8C-3389**	2	ROD END	
	14	1	**6V-8186**	2	NUT-FULL (5/16-24 THD)	
C	15	1	**5D-9372**	1	ROD	
C	16	1	**9Y-5290**	2	GROMMET	
C	17	1	**5P-4116**	2	WASHER (2MM THK)	
	18	1	**9M-1974**	3	WASHER-HARD (2MM THK)	
C	19	1	**9Y-5291**	1	COUPLING	
C	20	1	**9Y-5292**	1	ISOLATOR	
C	21	1	**9Y-5288**	1	ADAPTER	
C	22	1	**7J-9016**	2	BOLT-SOCKET HEAD	
C	23	1	**9Y-5289**	2	SPACER	
BE	24	1	**8C-8418**		LOCKWIRE	
	25	1	**8S-8158**	1	SEAL-WIRE	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER

1W-1179 **FASTENER GP-GOVERNOR** ***(contd.)*** **i00641258**



GRAPHIC #1 **<END>** g00256608

FUEL SYSTEM

1W-1182 FASTENER GP-GOVERNOR

S/N: KPS1-UP

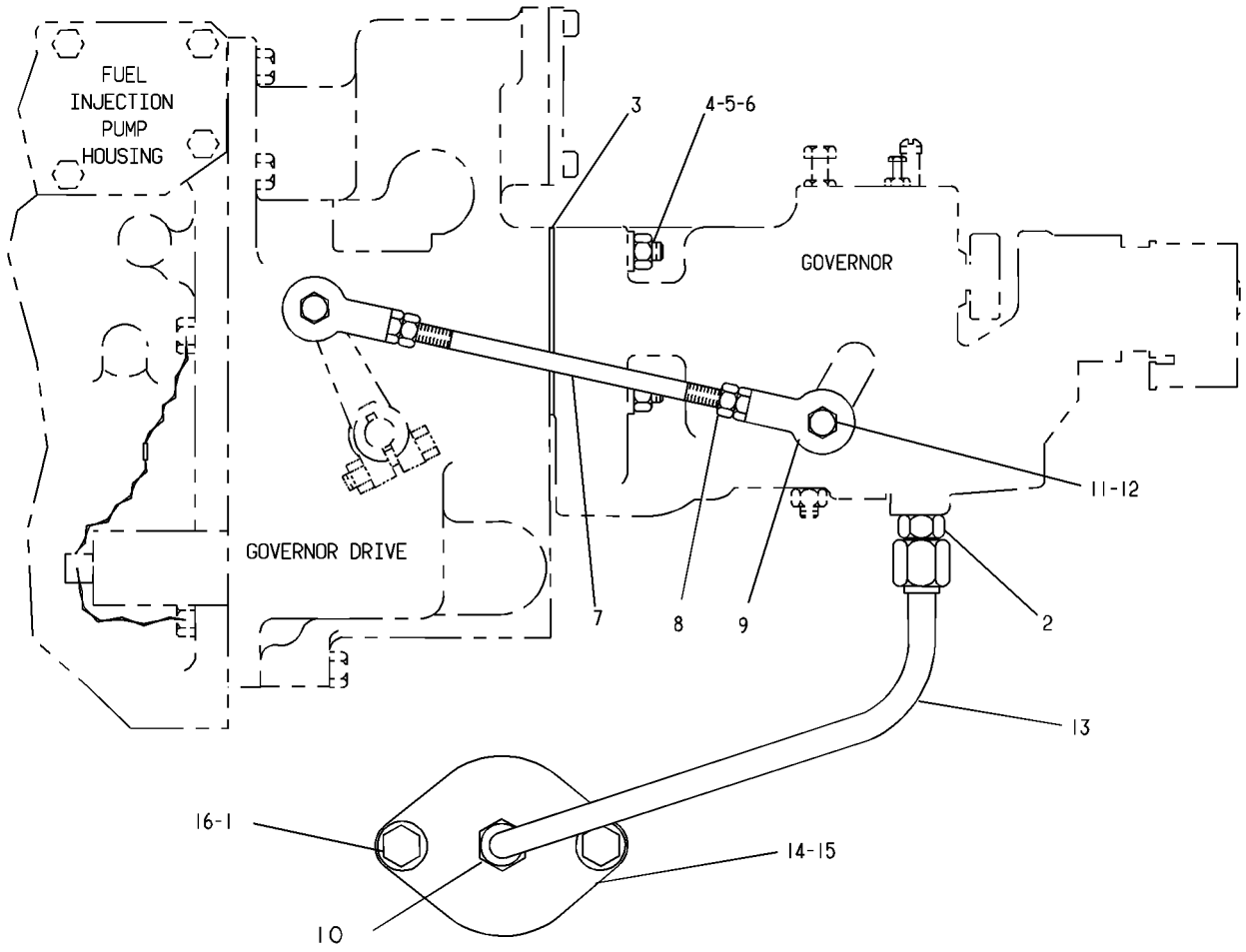
FOR USE WITH 1W-1183—PAGE 242, 2W-8030—PAGE 277

AN ATTACHMENT

SMCS-1264 **i01199806**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1594**	2	BOLT (3/8-16X1 IN)	
C	2	1	**030-3978**	1	CONNECTOR	
C		1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	
	3	1	**6L-3528**	1	GASKET-GOVERNOR	
	4	1	**4L-7547**	4	STUD-TAPERLOCK	
	5	1	**9M-1974**	4	WASHER-HARD (2MM THK)	
	6	1	**5S-0003**	4	NUT (5/16-18 THD)	
	7	1	**1W-1180**	1	ROD	
	8	1	**6V-8186**	2	NUT-FULL (5/16-24 THD)	
	9	1	**5P-6672**	2	ROD END	
C	10	1	**032-1267**	1	CONNECTOR-FLARED	
C	11	1	**6H-0187**	2	BOLT	
	12	1	**3D-8752**	2	LOCKNUT (5/16-24 THD)	
	13	1	**2W-3882**	1	TUBE AS	
	14	1	**3N-7391**	1	FLANGE	
	15	1	**7C-0307**	1	GASKET	
	16	1	**5M-2894**	2	WASHER (2.5MM THK)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00192161

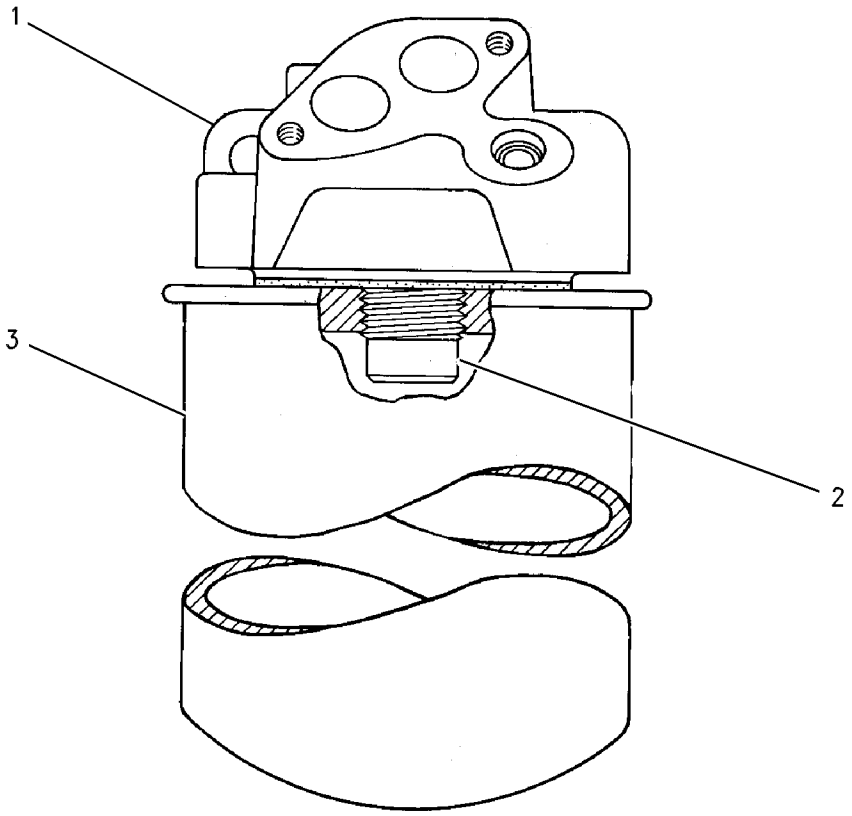
4N-1981 FILTER GP-FUEL

S/N: 1DZ3603-UP

SMCS-1261 **i01907969**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**1N-3789**	1	BASE AS-FILTER	
	2	1	**9S-4167**	1	STUD-HOLLOW	
	3	1	**1R-0749**	1	FILTER AS-FUEL (HIGH EFFICIENCY)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00605406

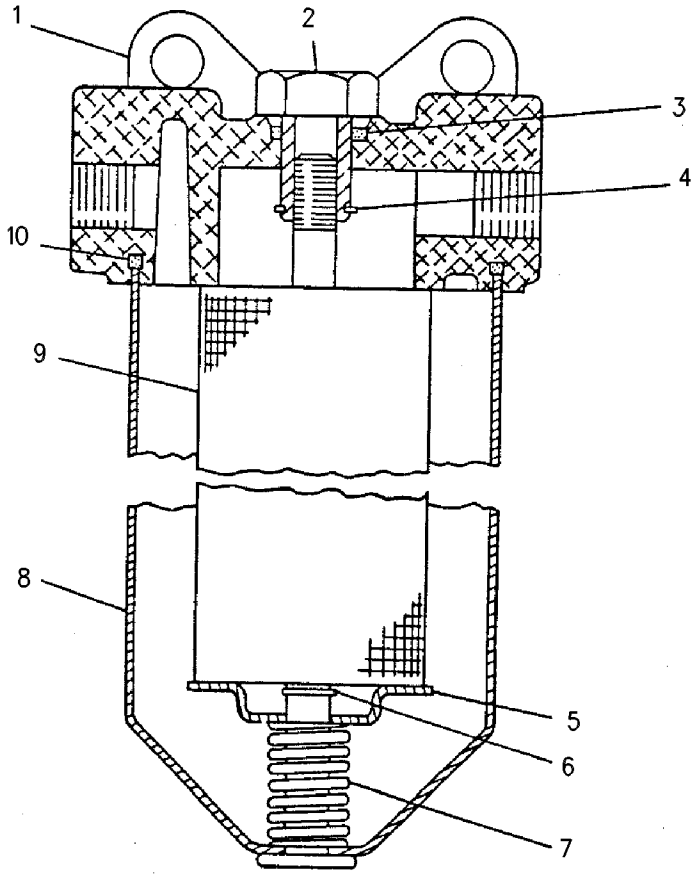
8H-7204 FILTER GP-FUEL

S/N: KPS1-UP
PRIMARY
PART OF 147-3081, 219-3405 FILTER GP-FUEL, 5N-0378 FILTER GP-PRIMARY FUEL
AN ATTACHMENT

SMCS-1261 **i01633720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**1N-3583**	1	BASE-FUEL FILTER	
C	2	1	**7N-1628**	1	NUT (3/8-24 THD)	
C	3	1	**2J-0157**	1	SEAL-O-RING	
	4	1	**1L-3769**	1	RING-RETAINING	
	5	1	**7H-9678**	1	RETAINER-ELEMENT	
	6	1	**2H-3429**	1	RING-RETAINING	
	7	1	**7S-9323**	1	SPRING	
	8	1	**8H-7202**	1	CASE AS-FUEL FILTER	
	9	1	**9M-2342**	1	ELEMENT AS-FUEL FILTER (PRIMARY)	
	10	1	**8H-2778**	1	SEAL-RING	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00605452

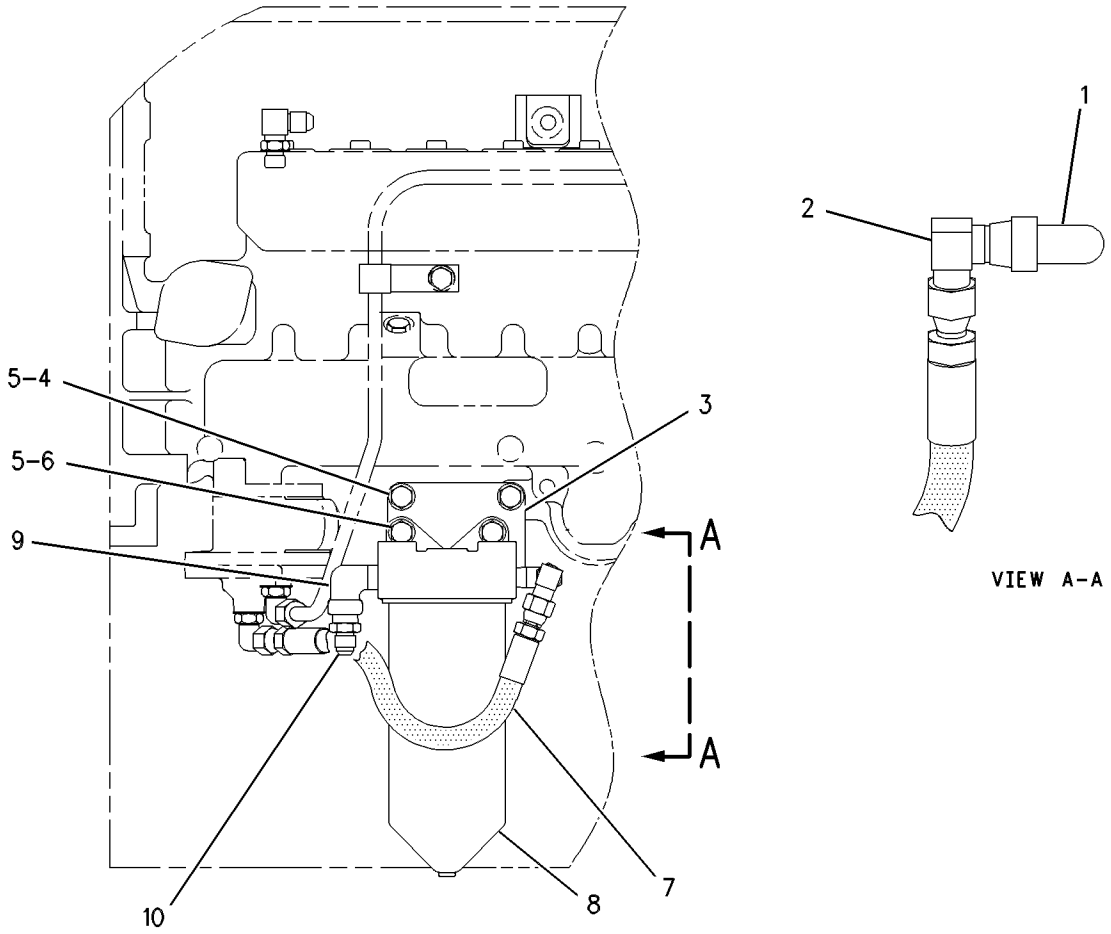
147-3081 FILTER GP-FUEL

S/N: KPS1-UP
AN ATTACHMENT

SMCS-1261 **i01431435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-8037**	1	ELBOW	
	2	1	**6K-9194**	1	ELBOW	
	3	1	**5N-0377**	1	BRACKET-FILTER	
	4	1	**4L-9337**	2	BOLT (3/8-16X1.5 IN)	
	5	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	6	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
I	7	1	**7N-3761**	1	HOSE AS	
Y	8	1	**8H-7204**	1	FILTER GP-FUEL	235
	9	1	**003-2143**	1	ELBOW	
B	10	1	**8L-3282**	1	CONNECTOR-FLARED	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00447461

FUEL SYSTEM

219-3405 FILTER GP-FUEL

S/N: KPS1-UP

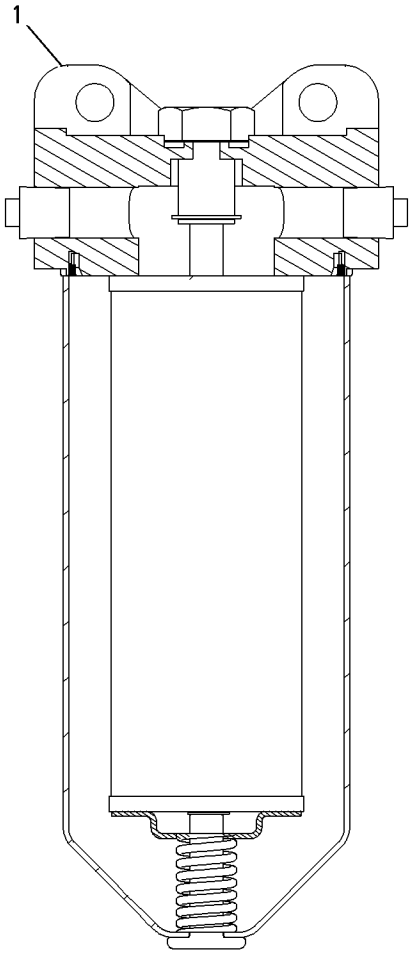
FOR USE WITH GENSETS WHEN FUEL FILTER IS SHIPPED LOOSE

AN ATTACHMENT

SMCS-1261 **i01848812**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**8H-7204**	1	FILTER GP-FUEL (PRIMARY)	235

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00996270

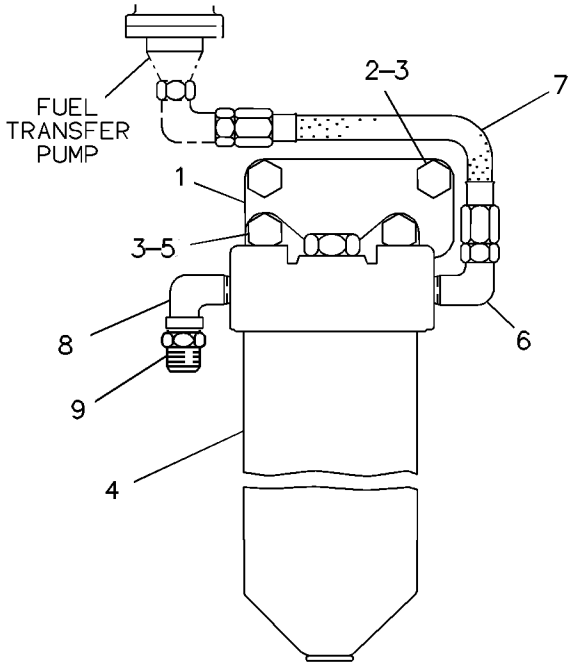
5N-0378 FILTER GP-PRIMARY FUEL

S/N: KPS1-UP
FOR USE WITH BATTERY RACK & BATTERY GP
AN ATTACHMENT

SMCS-1260, 1261 **i00709577**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-0377**	1	BRACKET-FILTER	
	2	1	**4L-9337**	2	BOLT (3/8-16X1.50IN)	
	3	1	**5M-2894**	4	WASHER (2.5MM THK)	
Y	4	1	**8H-7204**	1	FILTER GP-FUEL	235
	5	1	**9B-7237**	2	BOLT (3/8-16X1.25IN)	
	6	1	**2N-8037**	1	ELBOW	
I	7	1	**7N-3761**	1	HOSE AS	
	8	1	**003-2143**	1	ELBOW	
B	9	1	**8L-3282**	1	CONNECTOR-FLARED	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW

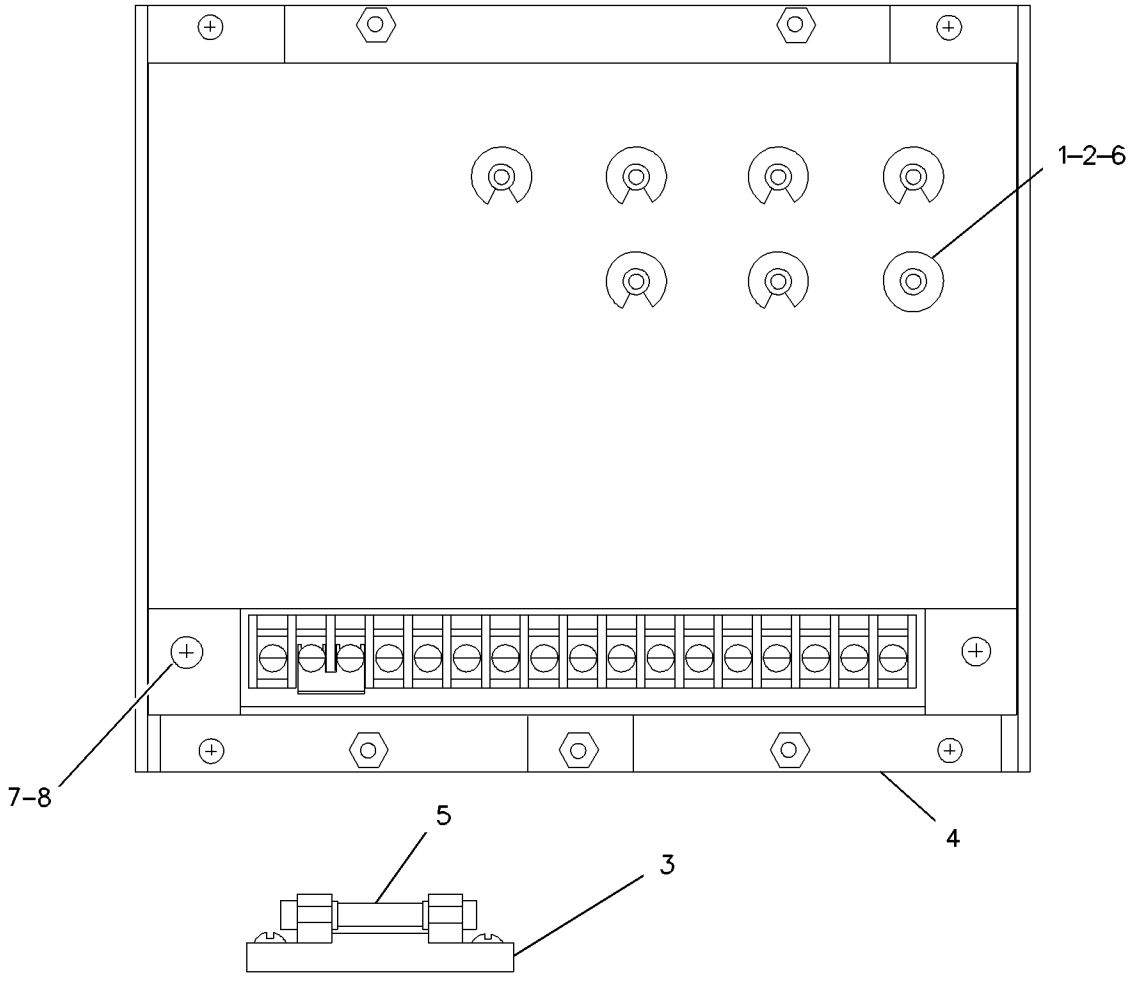
GRAPHIC #1 **<END>** g00221550

220-7912 GOVERNOR AS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
SPEED CONTROL
AN ATTACHMENT

SMCS-1264 **i01804848**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-5971**	1	POTENTIOMETER	
	2	1	**4W-5972**	1	KNOB	
	3	1	**4W-8790**	1	BLOCK-FUSE (20 AMPS)	
	4	1	**131-5453**	1	CONTROL AS-GOVERNOR	
	5	1	**8D-8724**	1	FUSE (2 AMP)	
	6	1	**7C-4550**	1	SEAL-SHAFT	
	7	1	**9F-8125**	4	LOCKWASHER (DC FUSE)	
	8	1	**2N-3475**	4	SCREW (6-32X.5IN)	



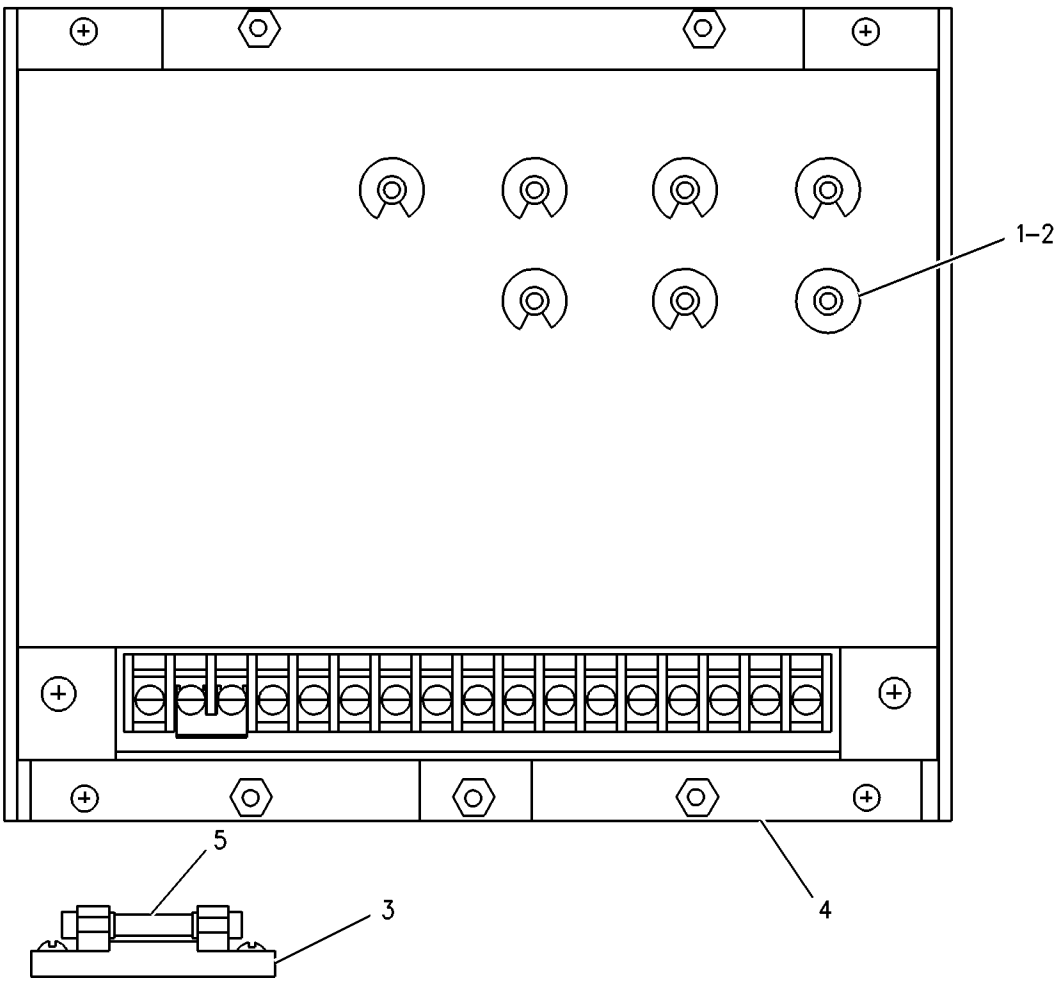
GRAPHIC #1 **<END>** g00923432

4P-2788 GOVERNOR AS-ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH EMCP II CONTROL PANEL AND WOODWARD EG3P ACTUATOR
AN ATTACHMENT

SMCS-1908 **i01806245**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-5971**	1	POTENTIOMETER	
	2	1	**4W-5972**	1	KNOB	
	3	1	**4W-8790**	1	BLOCK-FUSE (20 AMPS)	
	4	1	**131-5453**	1	CONTROL AS-GOVERNOR	
	5	1	**7T-0037**	1	FUSE (0.75 AMP)	



GRAPHIC #1 **<END>** g00923973

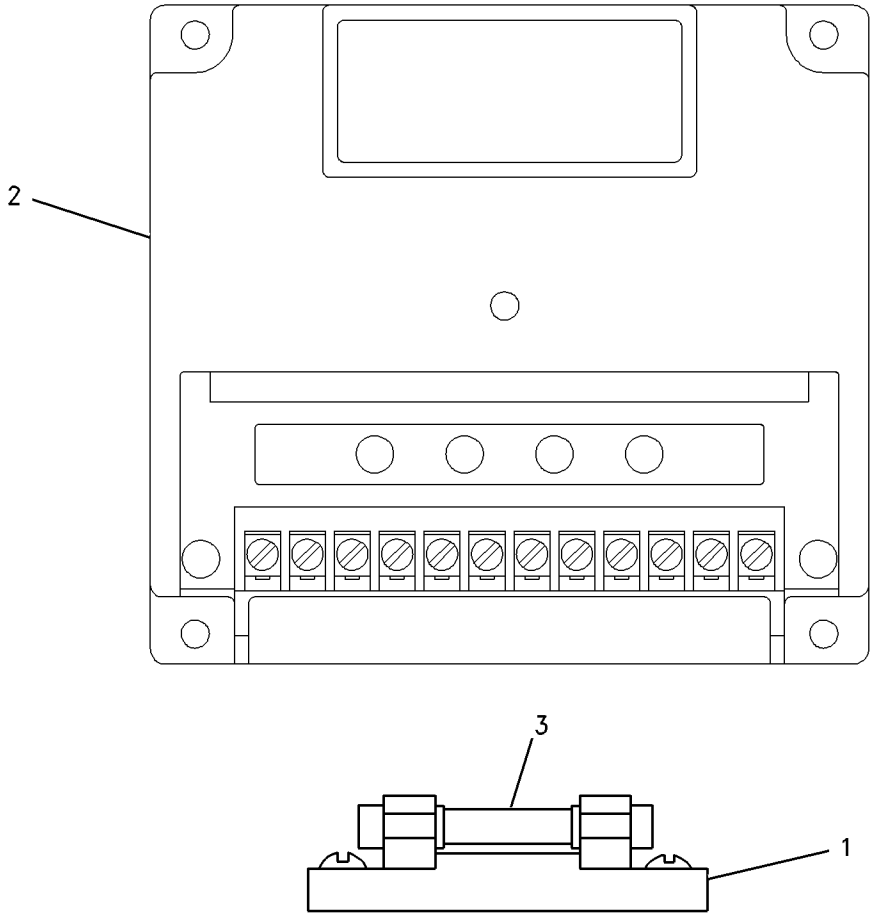
7E-1232 GOVERNOR AS-ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USAGE REFER TO CHART 129-4053–PAGE 643
AN ATTACHMENT

SMCS-1908 **i01858821**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-8790**	1	BLOCK-FUSE (20 AMPS)	
	2	1	**131-5455**	1	CONTROL AS-GOVERNOR	
	3	1	**3K-8782**	1	FUSE (10 AMP)	
F		1	**9Y-9782**	1	FILM-IDENTIFICATION (10A DC FUSE)	
F		1	**4W-5972**	1	KNOB (ENGINE SPEED CONTROL)	
F		1	**7E-1246**	1	POTENTIOMETER (2 WATT) (ENGINE SPEED CONTROL)	
F		1	**7C-4550**	1	SEAL-SHAFT	

F-NOT SHOWN



GRAPHIC #1 **<END>** g00760270

1W-1183 GOVERNOR GP

S/N: KPS1-UP

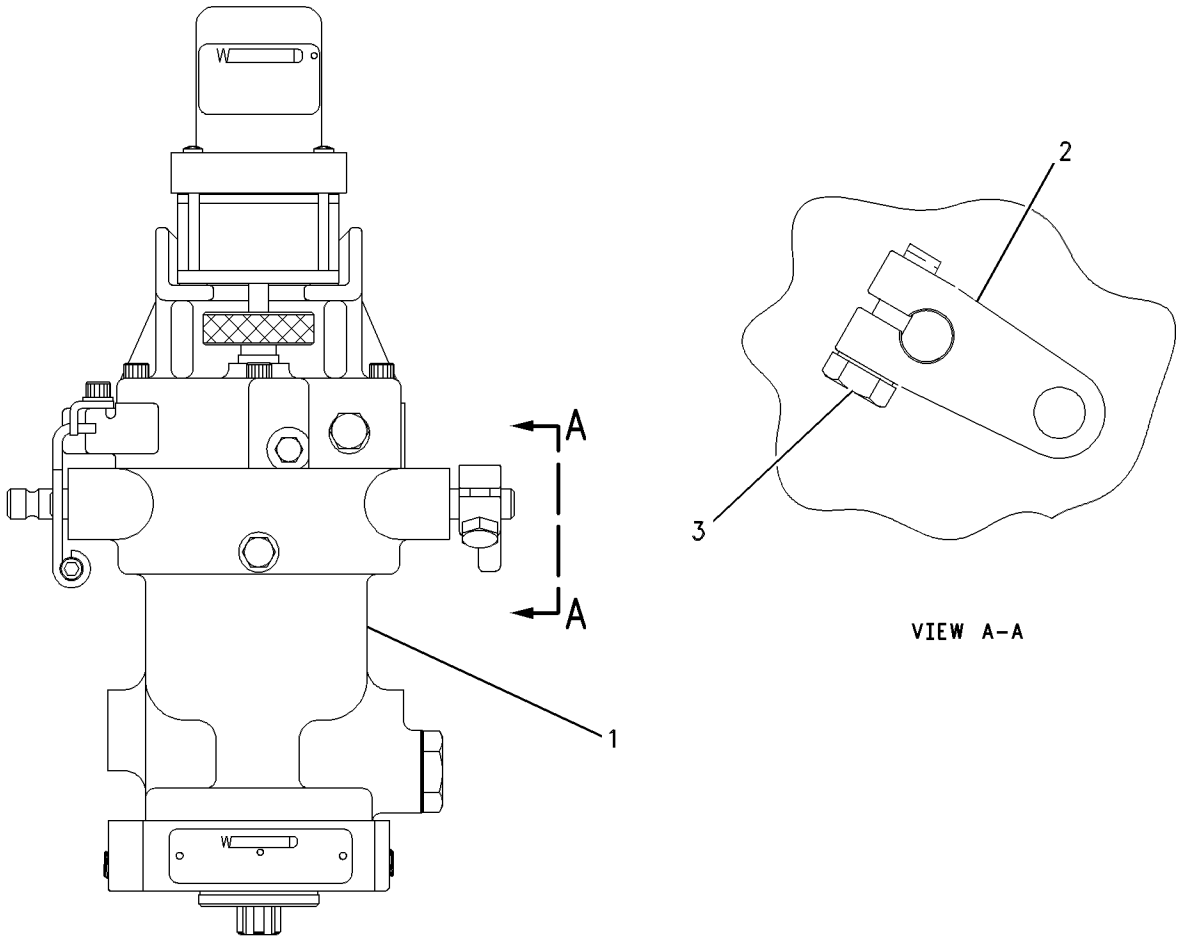
FOR USE WITH 1W-1182—PAGE 233, 2W-8030—PAGE 277

AN ATTACHMENT

SMCS-1264, 1908 **i01125712**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**6I-1101**	1	GOVERNOR GP	248
	2	1	**2W-4869**	1	LEVER-GOVERNOR	
	3	1	**031-0217**	1	BOLT-LOCKING (1/4-20X.88IN)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00595803

FUEL SYSTEM

2W-8576 GOVERNOR GP

S/N: 1DZ3603-UP

PART OF 131-1955, 2W-8543, 2W-9103, 4P-0667 PUMP GP-GOV & FUEL INJ

SMCS-1264, 1908 **i01902663**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-5029**	1	SEAL-LIP	
	2	1	**1N-3887**	1	SETSCREW-SOCKET	
C	3	1	**5B-3180**	1	NUT (5/16-18 THD)	
	4	1	**4N-8445**	1	BOLT (1/4-20X1.25 IN)	
	5	1	**1N-3935**	1	COVER	
		1	**144-0479**	1	GASKET-COVER (IDLE-SPEED ADJ)	
	6	1	**7N-2594**	1	SETSCREW-SLOTTED	
	7	1	**3P-0009**	1	INSULATOR	
	8	1	**0S-1347**	2	BOLT (1/4-20X.75 IN)	
	9	1	**8N-3762**	1	COVER	
		1	**144-0478**	1	GASKET	
	10	1	**2B-2695**	1	BOLT (5/16-18X0.875 IN)	
		1	**4K-9890**	1	WASHER (8.6X17.3X1.6MM THK)	
	11	1	**1B-2713**	6	BOLT (1/4-20X1.75 IN)	
C	12	1	**7W-1749**	1	COVER AS	
		1	**138-9507**	1	SEAL-LIP TYPE	
		1	**8S-6814**	2	PIN	
	13	1	**8N-3776**	1	GASKET-COVER (GOVERNOR DETENT)	
	14	1	**9S-8003**	1	PLUG	
		1	**1J-9671**	1	SEAL-O-RING	
	15	1	**1W-4243**	1	SPRING-BUMPER	
	16	1	**8L-5832**	1	NUT-HEX (10-32 THD)	
	17	1	**9Y-4701**	1	SETSCREW-SOCKET (34.92MM LG)	
	18	1	**8N-3256**	1	COLLAR-LOAD STOP	
	19	1	**8N-3956**	1	BLOCK AS-STOP	
		1	**8N-3303**	1	DOWEL	
C	20	1	**7W-5836**	1	BOLT AS-STOP	
	21	1	**6D-3897**	1	BOLT (M8X32X12.7MM)	
	22	1	**6L-5551**	2	BOLT-SOCKET HEAD (1/4-20X2.25 IN)	
C	23	1	**7W-4272**	1	NUT-SEALING (5/16-18 THD)	
	24	2	**5H-6552**	1	SETSCREW-SOCKET (31.75MM LG)	
	25	2	**1N-3800**	1	SLEEVE-RACK CONTROL	
	26	2	**2M-7819**	2	RING-RETAINING	
	27	2	**8N-9678**	1	PISTON AS-SERVO	
C		2	**7C-0790**	1	CYLINDER AS	
		2	**8N-3757**	1	LEVER-CONTROL	
		2	**3G-3835**	1	PIN	
	28	2	**1W-4098**	1	PISTON-GOVERNOR SERVO	
	29	2	**5P-9757**	1	SEAL-O-RING	
	30	2	**8N-3089**	1	SLEEVE	
	31	2	**8N-2505**	1	VALVE-GOVERNOR SERVO	
	32	2	**031-0216**	3	BOLT (1/4-20X0.75 IN)	
	33	2	**2W-2216**	1	SPRING-LINK	
	34	2	**1N-3802**	1	SEAT-SPRING	
	35	2	**133-8890**	2	RACE-NEEDLE BEARING	
C	36	2	**4W-6868**	1	RISER-GOVERNOR	
	37	2	**1S-5440**	4	DOWEL	
	38	2	**9Y-7037**	4	BOLT (1/4-20X1.25 IN)	
	39	2	**4N-9019**	1	DOWEL	
	40	2	**8N-2510**	1	SHAFT-WEIGHT CARRIER	
	41	2	**4N-2953**	1	RING-LOCK	
	42	2	**7E-3986**	1	CARRIER-WEIGHT	
	43	2	**7M-7219**	1	BEARING-THRUST	
	44	2	**8N-9680**	1	HOUSING AS-GOVERNOR	
		2	**8S-6814**	4	PIN (LARGE)	
		2	**4F-6024**	2	PIN (SMALL)	

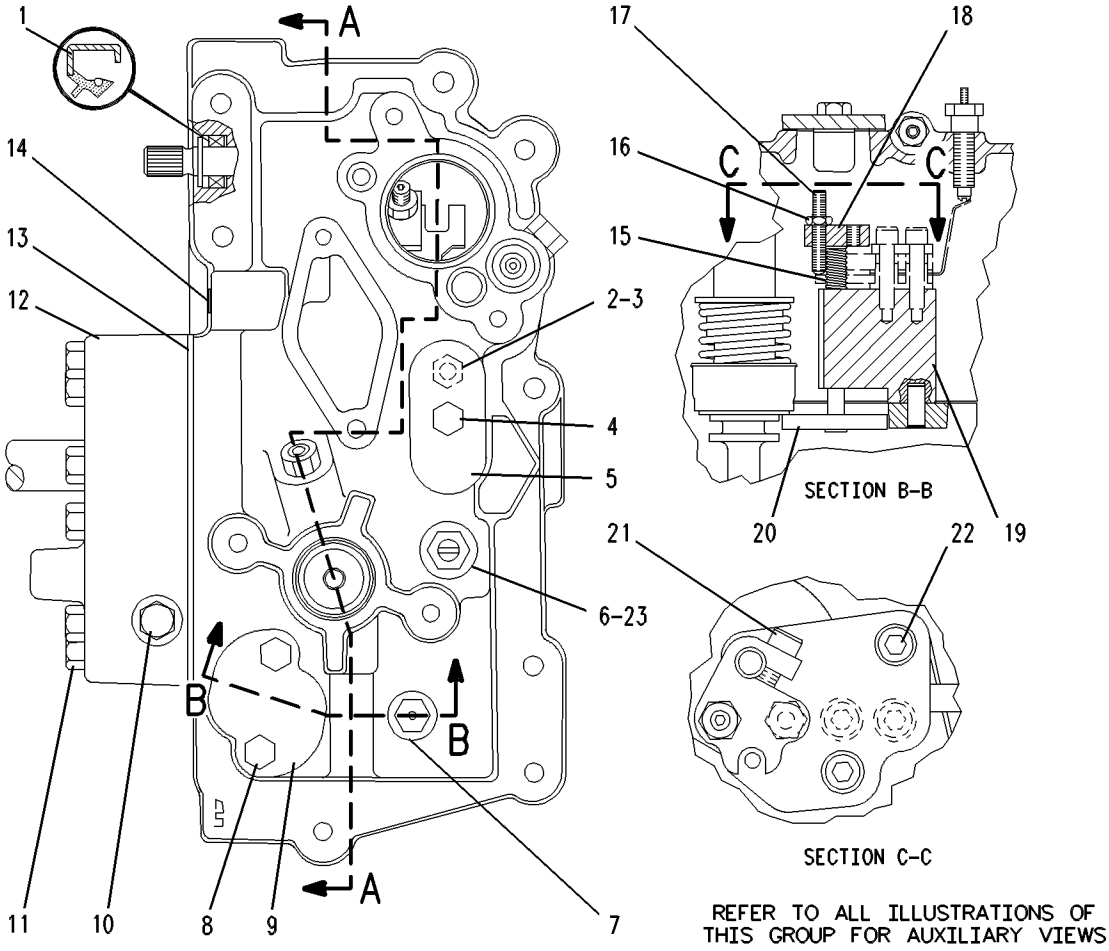
2W-8576 GOVERNOR GP *(contd.)*

i01902663

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	45	2	**119-8699**	4	WEIGHT-GOVERNOR	
	46	2	**144-0480**	1	GASKET	
	47	2	**7N-8821**	2	RING-RETAINING	
	48	2	**4N-0432**	1	BALL BEARING	
	49	2	**7N-7270**	2	SLEEVE-SPRING	
	50	2	**3K-5733**	1	SPRING	
	51	2	**6N-3504**	1	SEAT-GOVERNOR SPRING	
	52	2	**7N-7269**	1	DASHPOT AS-GOVERNOR	
	53	2	**4N-6408**	1	PISTON AS	
	54	2	**4N-6407**	1	SPOOL-DASHPOT	
	55	2	**4N-6406**	1	RING-SPACER	
	56	2	**4N-6404**	1	RING-RETAINING	
C	57	3	**4W-5735**	1	LEVER AS-PIVOT	
	58	3	**6V-6835**	1	SETSCREW-SOCKET	
	59	3	**8L-5832**	1	NUT-HEX (10-32 THD)	
	60	3	**4W-5734**	1	LEVER AS	
	61	3	**6V-6835**	1	SETSCREW-SOCKET	
		3	**4B-2049**	1	NUT (10-32 THD)	
	62	3	**4N-5621**	1	SHAFT-SHUTOFF	
	63	3	**0S-1588**	1	BOLT (3/8-16X1.25 IN)	
	64	3	**8N-3760**	1	COVER	
		3	**8N-3761**	1	GASKET	
C		3	**030-9615**	4	SCREW-NYLOK	
	65	3	**1W-3961**	1	SPACER (6.75X14X13MM THK)	
	66	3	**1W-3962**	1	SPACER (6.75X14X10MM THK)	
	67	3	**7W-4247**	1	HOUSING AS-GOVERNOR	
C		3	**8N-3945**	1	BUSHING-TERMINAL	
C		3	**9S-4180**	1	PLUG (5/16-24 THD)	
C		3	**4J-7533**	1	SEAL-O-RING	
	68	3	**4N-0260**	1	SEAL-LIP	
	69	3	**3D-8317**	1	RING-RETAINING	
	70	3	**8N-2499**	1	SPRING-GUIDE	
	71	3	*9A-7377*	1	VALVE AS	
	71A	3	**4N-5485**	1	BODY-VALVE	
	71B	3	**5F-9144**	1	SEAL-O-RING	
	72	3	**4N-5484**	1	VALVE-NEEDLE (THROTTLE RESPONSE)	
	72A	3	**6H-9691**	1	SEAL-O-RING	
	73	3	**1W-5342**	1	LEVER-SHUTOFF	
	74	3	**2W-8645**	1	SHAFT-GOVERNOR CONTROL	
	75	3	**5H-2532**	1	KEY-WOODRUFF	
	76	3	**2W-6102**	1	LEVER-SPRING SEAT	
	77	3	**2W-8638**	1	SPACER	
	78	3	**2M-7819**	1	RING-RETAINING	
	79	3	**2W-0800**	1	LEVER-SHUTOFF	
	80	3	**2W-0799**	1	SPRING-SHUTOFF	
	81	3	**8S-7803**	1	RING-RETAINING	
	82	3	**2W-0801**	1	SHAFT-GOVERNOR CONTROL	

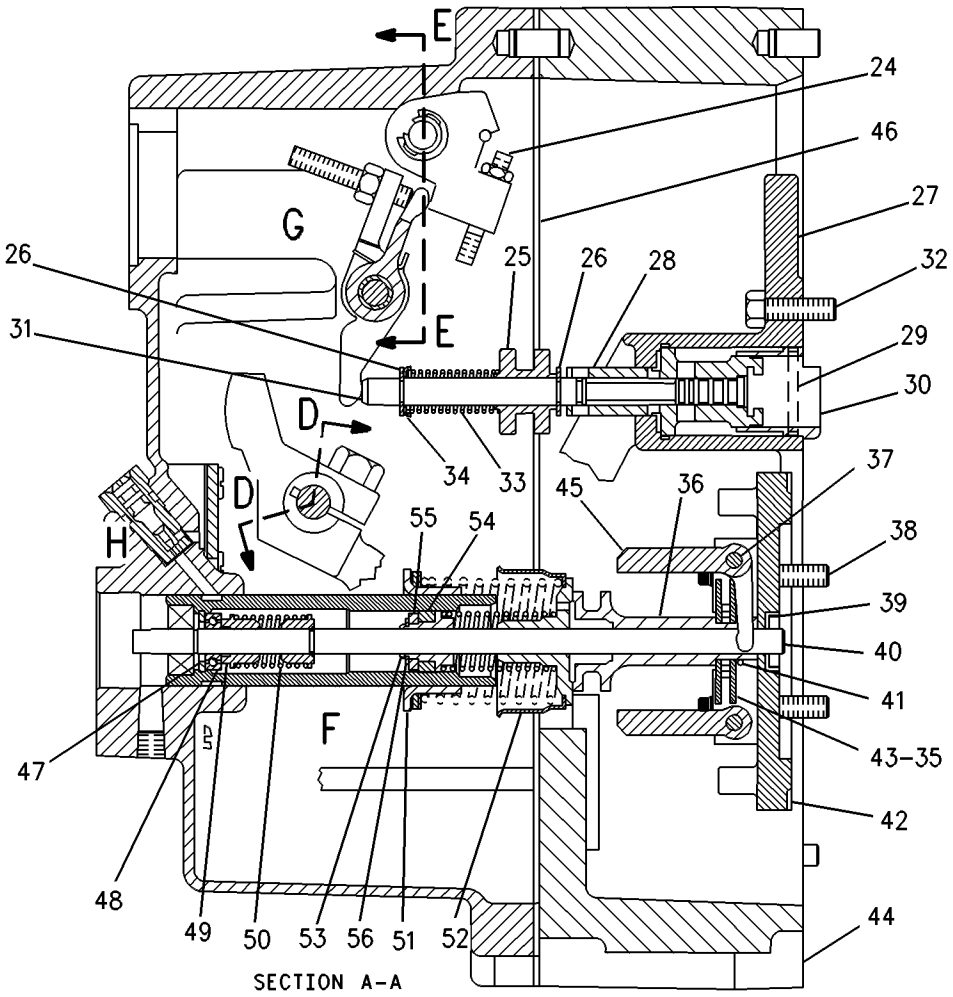
C-CHANGE FROM PREVIOUS TYPE

2W-8576 GOVERNOR GP ***(contd.)*** **i01902663**



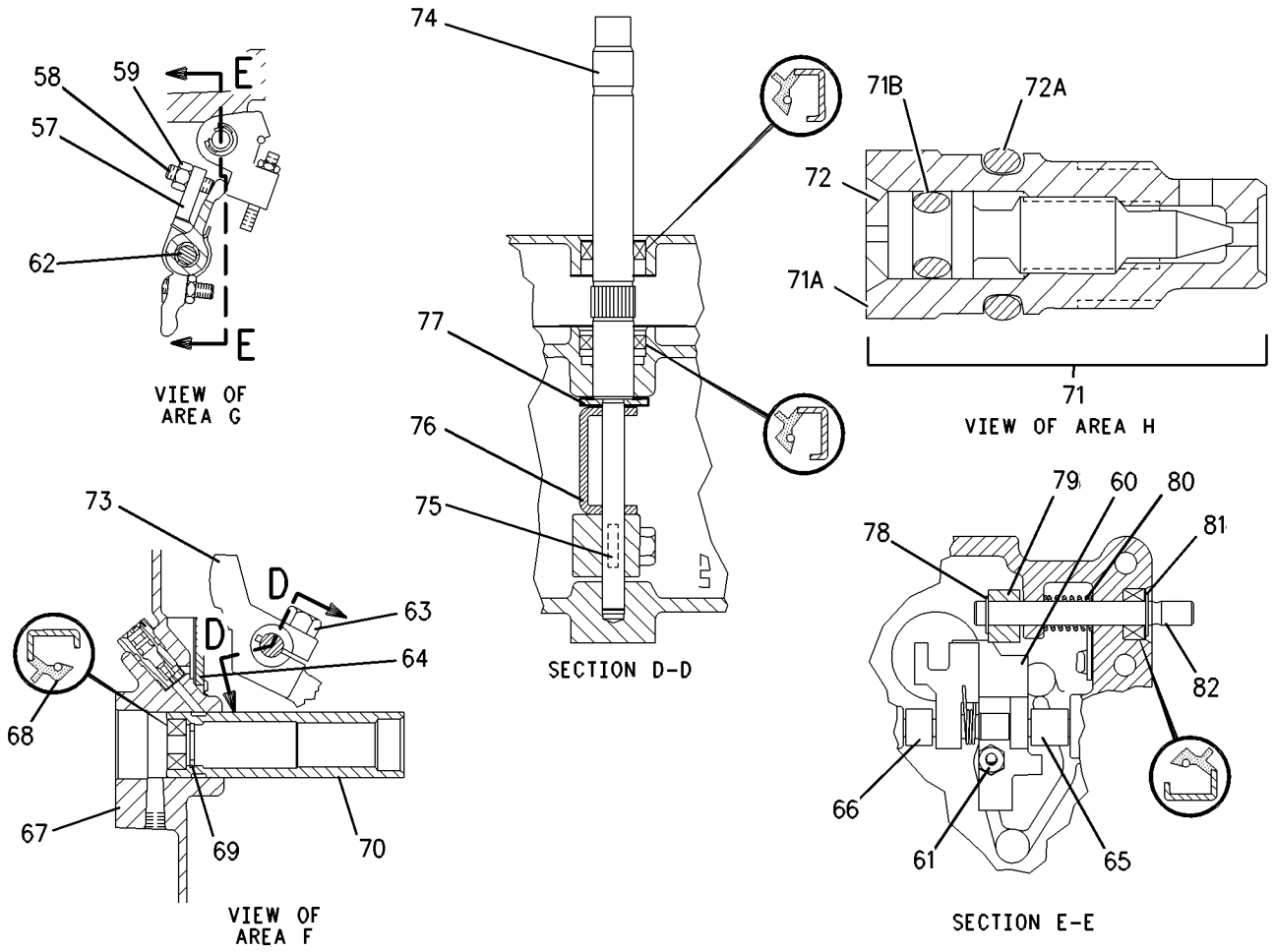
GRAPHIC #1 g00495190

2W-8576 GOVERNOR GP ***(contd.)*** **i01902663**



GRAPHIC #2 g00886446

2W-8576 GOVERNOR GP ***(contd.)*** **i01902663**



GRAPHIC #3 **<END>** g00886445

FUEL SYSTEM

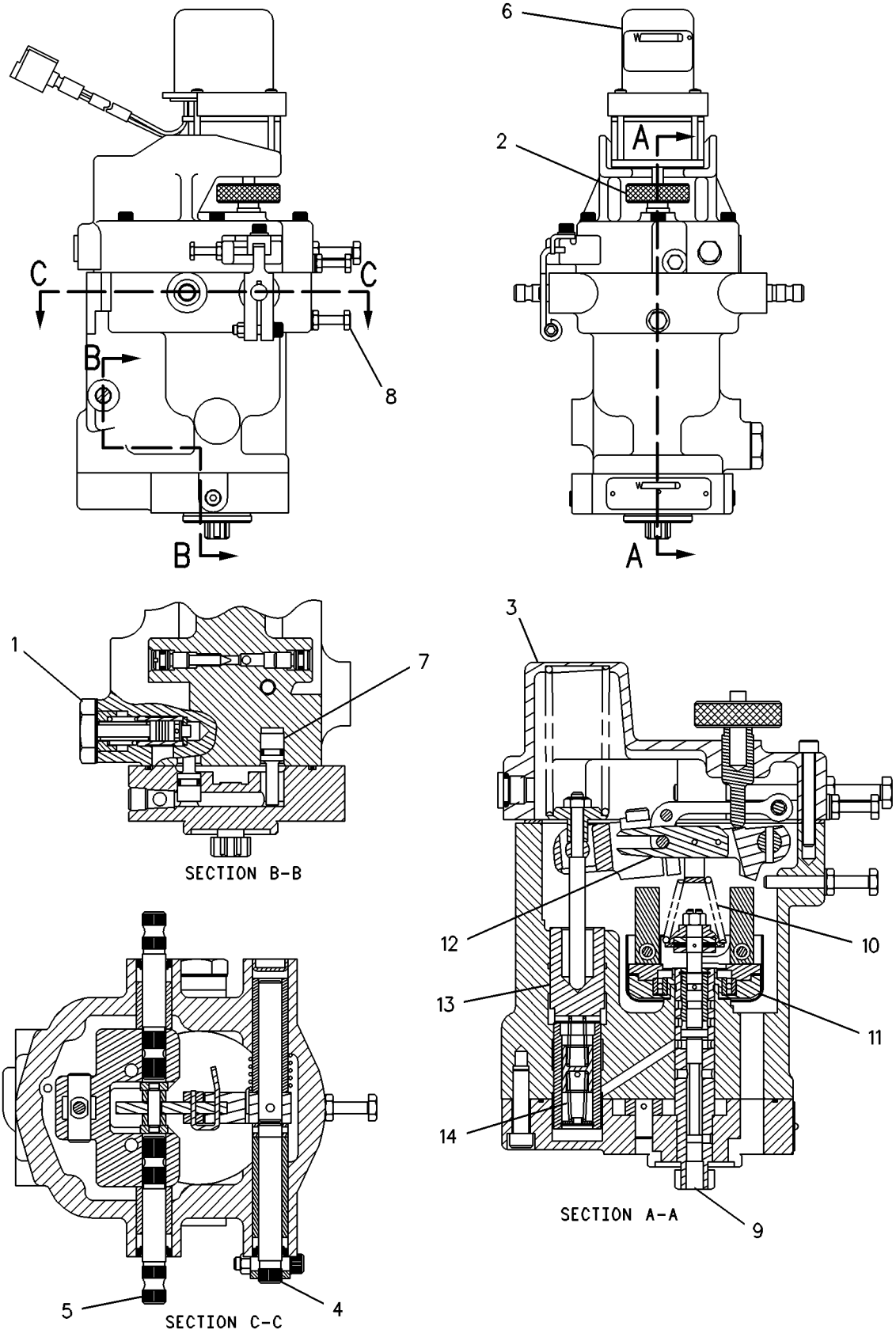
6I-1101 GOVERNOR GP

S/N: KPS1-UP
PART OF 1W-1183 GOVERNOR GP
AN ATTACHMENT

SMCS-1264, 1908 **i01902671**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0984**	1	KIT-RELIEF VALVE (GOVERNOR)	
					(INCLUDES SLEEVE, PLUNGER, SPRING, SLEEVE SPRING & PLUG)	
	2	1	**4P-8388**	1	CLUTCH AS	
	3	1	**4P-9624**	1	KIT-COVER REPAIR (GOVERNOR)	
					(INCLUDES COVER, SCREWS, NUTS & WASHERS)	
	4	1	**6I-1178**	1	KIT-DROOP SHAFT (GOVERNOR)	
					(INCLUDES SHAFT, LEVER, BRACKET, JAM NUT, WASHER & SCREWS)	
	5	1	**4P-9622**	1	KIT-REPAIR (GOVERNOR)	
					(INCLUDES TERMINAL SHAFTS, TERMINAL SHAFT BUSHINGS, PIVOT PIN & LOCKING NUT)	
	6	1	**4W-5123**	1	MOTOR AS	
		1	**7N-7779**	1	SOCKET-CONNECTOR	
		1	**7N-7780**	1	PIN-CONNECTOR	
		1	**7N-9738**	1	HOUSING-RECEPTACLE	
	7	1	**4P-9623**	1	KIT-PLUG REPAIR (GOVERNOR)	
					(INCLUDES PLUGS & NEEDLE VALVE)	
	8	1	**4P-9625**	1	KIT-GOVERNOR CONTROL STOP	
					(INCLUDES JAM NUT, WASHER & SCREW)	
	9	1	**4P-9627**	1	KIT-GOVERNOR VALVE	
					(INCLUDES IDLER GEAR, GEAR POST, GUIDE BUSHING, VALVE PLUNGER, PLUNGER NUT & PILOT VALVE BUSHING)	
	10	1	**6I-1103**	1	SPRING AS	
	11	1	**7N-0001**	1	BALL HEAD AS	
	12	1	**4P-9626**	1	KIT-GOVERNOR LINKAGE	
					(INCLUDES FLOATING LEVER, SPACER, PIN, SPRING, LOCKING NUT & BLOCKS)	
	13	1	**4P-9629**	1	KIT-GOVERNOR PISTON	
					(INCLUDES POWER PISTON & BUFFER PISTON)	
	14	1	**6I-1140**	1	KIT-BUFFER SPRING (GOVERNOR)	
					(INCLUDES SEAT & SPRINGS)	
					AVAILABLE REPAIR KIT(S):	
			4P-9621	1	KIT-GOVERNOR REPAIR	
					(INCLUDES GASKET, PIN, SEALS, WASHER, PLUGS, RINGS, BEARING & RACE)	

6I-1101 GOVERNOR GP *(contd.)* **i01902671**



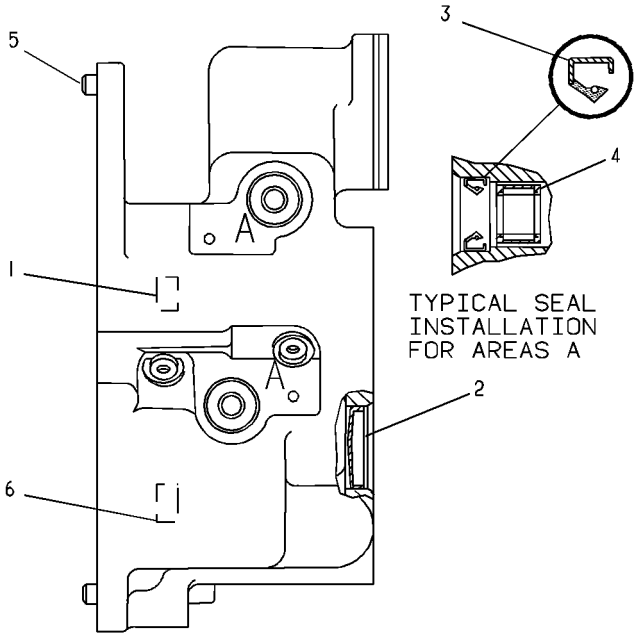
GRAPHIC #1 **<END>** g00232397

1W-1204 HOUSING AS-GOVERNOR DRIVE

S/N: KPS1-UP
PART OF 1W-1205 DRIVE GP-GOVERNOR
AN ATTACHMENT

SMCS-1288 **i00641271**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7L-4975**	1	BEARING-SLEEVE	
	2	1	**9L-7657**	1	PLUG-CUP	
	3	1	**5P-0796**	2	SEAL-LIP	
	4	1	**1F-4622**	4	BEARING-NEEDLE	
	5	1	**8S-6814**	2	PIN	
	6	1	**5H-5744**	2	BUSHING-TERMINAL	



GRAPHIC #1 **<END>** g00192148

9Y-4812 LINES GP-FLEXIBLE FUEL

S/N: KPS1-UP
AN ATTACHMENT

SMCS-1274 **i01734542**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	**2L-3331**	1	CONNECTOR-PIPE (30 DEG NPSM EXT PIPE)	
I	**3N-6667**	1	HOSE AS	
I	**8L-7979**	1	HOSE AS	
B	**9J-6190**	2	UNION-ADAPTER (37 DEG FLARED)	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE

<END>

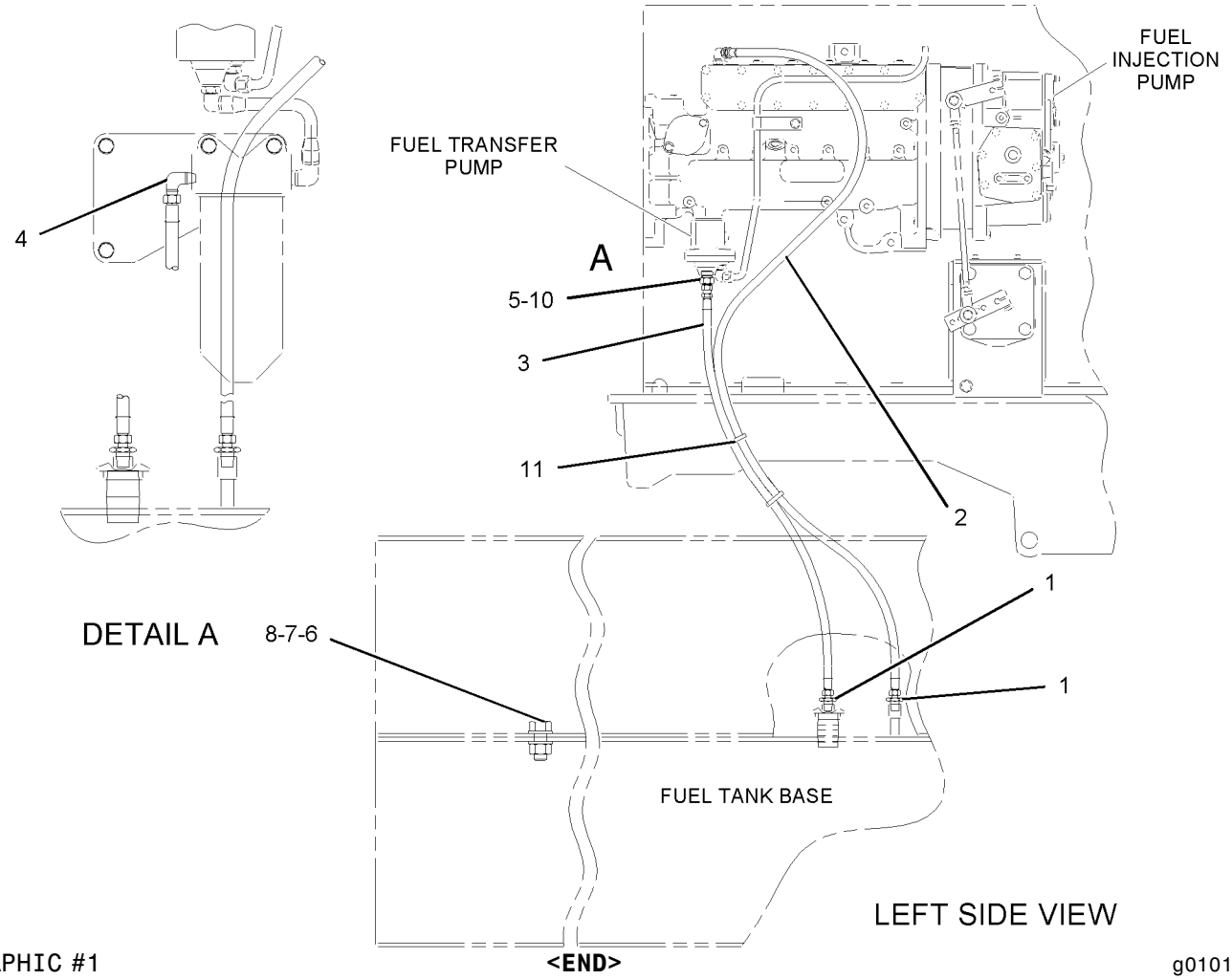
110-9697 LINES GP-FLEXIBLE FUEL

S/N: KPS1-UP
FOR USE WITH 2W-3452—PAGE 253
AN ATTACHMENT

SMCS-1274 **i01955714**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9F-9920**	2	BUSHING-REDUCER	
I	2	1	**9Y-7331**	1	HOSE AS	
I	3	1	**9Y-7332**	1	HOSE AS	
B	4	1	**2N-8037**	1	ELBOW	
B	5	1	**2R-6806**	1	CONNECTOR	
	6	1	**8T-9398**	6	BOLT (3/4-10X1.75 IN)	
	7	1	**8T-4994**	12	WASHER-HARD (20X36.5X3.5MM THK)	
	8	1	**6V-8182**	6	NUT (3/4-10 THD)	
B	10	1	**6V-5049**	1	SEAL-O-RING	
	11	1	**3S-2093**	2	STRAP-CABLE	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE



GRAPHIC #1

<END>

g01017118

FUEL SYSTEM

2W-3452 LINES GP-FUEL FILTER

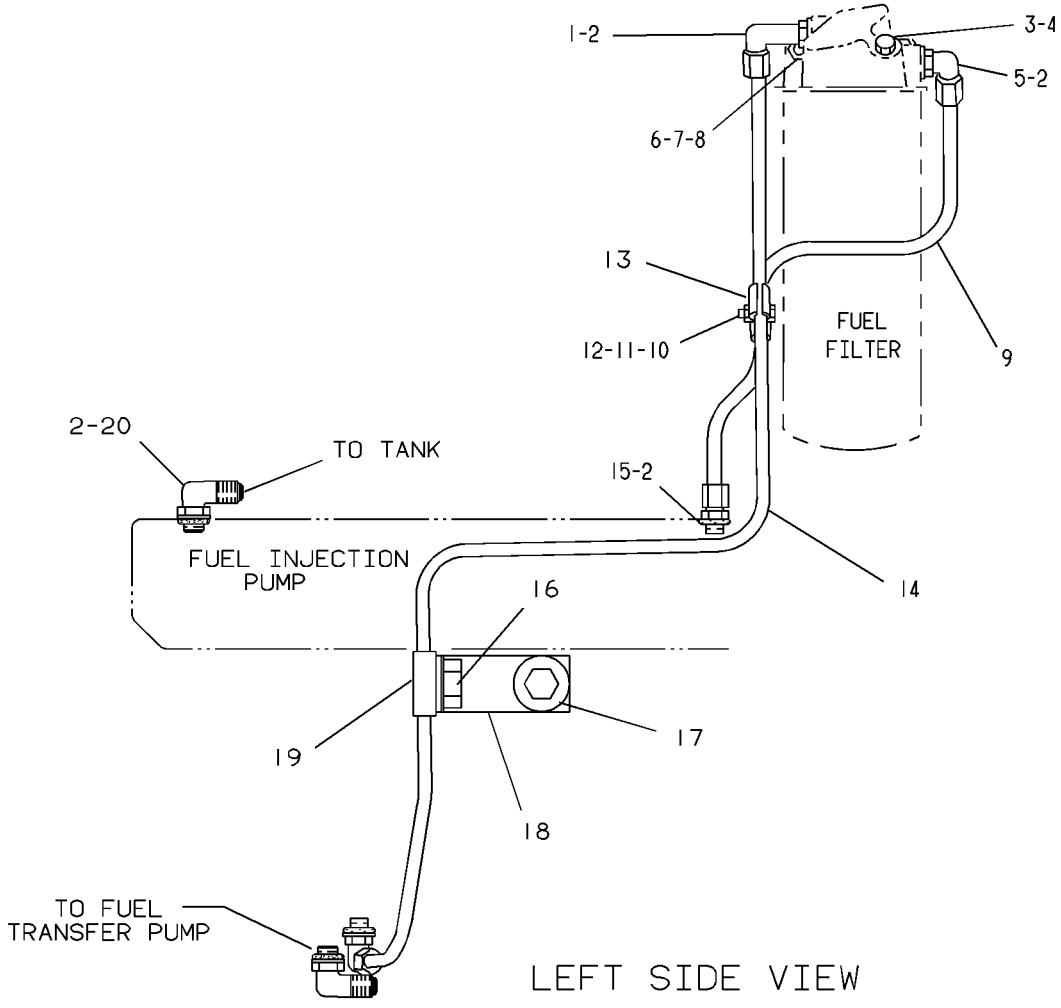
S/N: 1DZ3603-UP

SMCS-1261, 1274 **i01378947**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-7214**	1	ELBOW (9/16-18 STR THD)	
C	2	1	**6V-5049**	6	SEAL-O-RING (11.89MM ID)	
B	3	1	**9S-4182**	1	PLUG (7/16-20 THD)	
B	4	1	**9X-7378**	1	SEAL-O-RING (8.92MM ID)	
C	5	1	**030-7947**	3	ELBOW	
	6	1	**3S-2713**	2	NUT-FULL (3/8-24 THD)	
C	7	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	8	1	**5P-8783**	2	STUD	
	9	1	**2W-2927**	1	TUBE AS	
	10	1	**9S-8750**	1	NUT-FULL (1/4-20 THD)	
C	11	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
C	12	1	**4F-7957**	1	BOLT (1/4-20X.875 IN)	
C	13	1	**5M-5926**	2	CLAMP	
	14	1	**2W-6458**	1	TUBE AS	
C	15	1	**2R-6806**	1	CONNECTOR (9/16-18 STR THD)	
C	16	1	**0L-1351**	1	BOLT (3/8-16X.875 IN)	
C		1	**5P-1075**	2	WASHER-HARD (10.2X22.5X3MM THK)	
		1	**9S-8752**	1	NUT-FULL (3/8-16 THD)	
C	17	1	**0S-1617**	1	BOLT (5/16-18X.75 IN)	
C		1	**5P-4116**	1	WASHER (8.8X20.5X2MM THK)	
C	18	1	**3S-7189**	1	BRACKET	
C	19	1	**5P-9297**	1	CLIP	
	20	1	**1W-3151**	1	ELBOW	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE

2W-3452 **LINES GP-FUEL FILTER** *(contd.)* **i01378947**



GRAPHIC #1 **<END>** g00206745

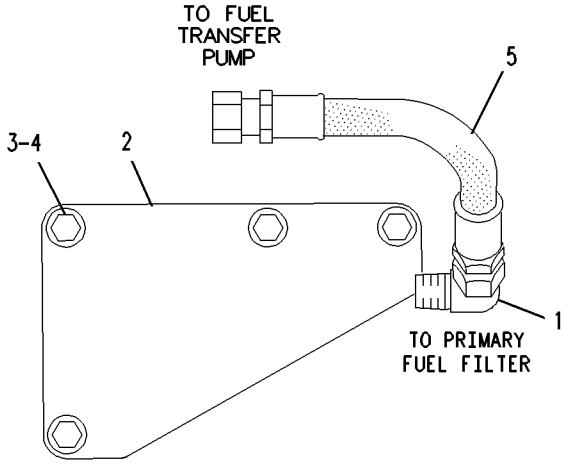
2W-3457 LINES GP-FUEL FILTER

S/N: KPS1-UP
FOR USE WITH 8H-7204—PAGE 235
AN ATTACHMENT

SMCS-1261, 1274 **i00640684**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**2N-8037**	1	ELBOW	
	2	1	**2W-3458**	1	PLATE	
	3	1	**0S-1594**	4	BOLT (3/8-16X1IN)	
	4	1	**5M-2894**	4	WASHER (2.5MM THK)	
CI	5	1	**5N-2368**	1	HOSE AS	

C-CHANGE FROM PREVIOUS TYPE
I-SEE HOSE FABRICATION GUIDE



GRAPHIC #1 **<END>** g00202289

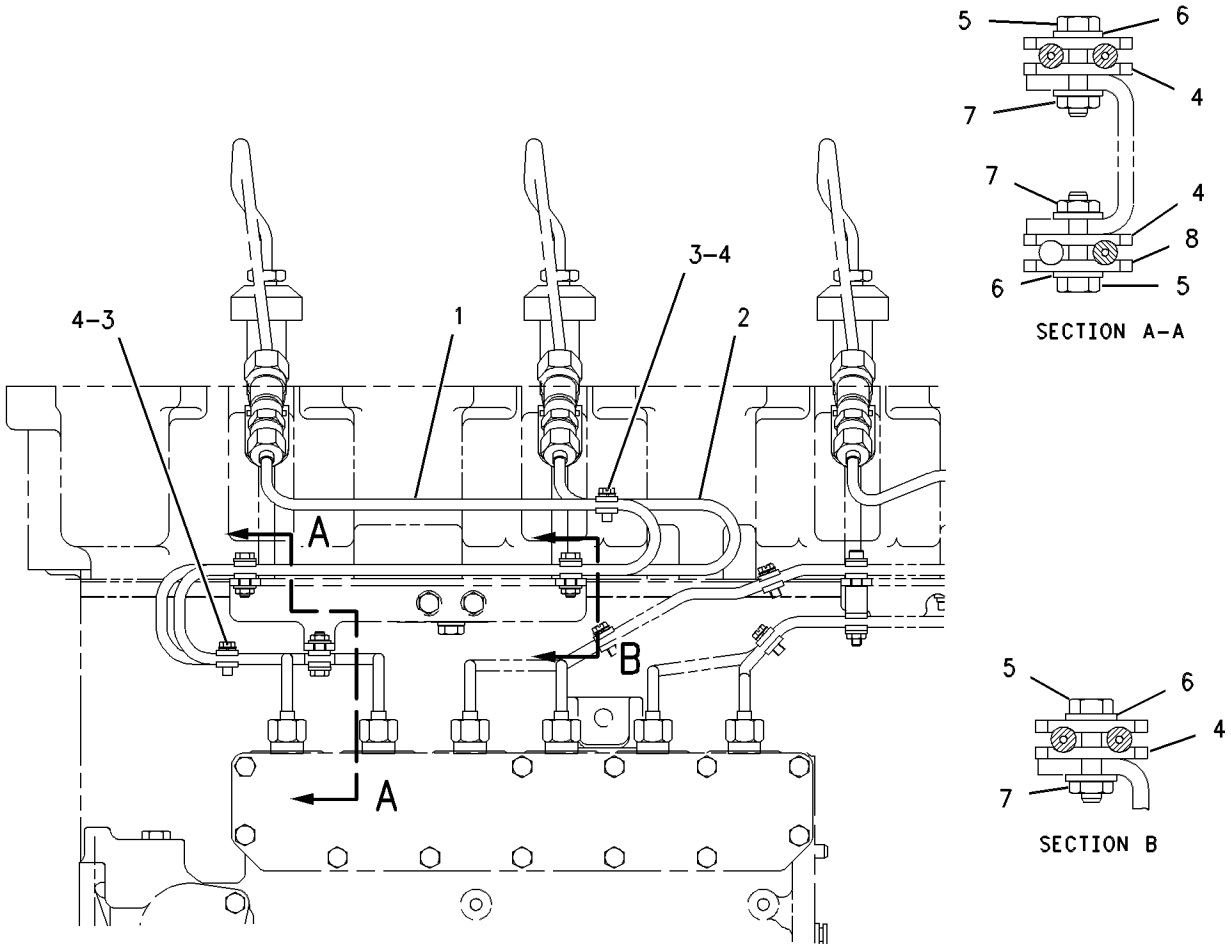
4P-9658 LINES GP-FUEL INJECTION

S/N: 1DZ3603-UP

PART OF 131-0188, 9Y-3070 LINES GP-FUEL INJECTION

SMCS-1252, 1254 **i01429944**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**191-7941**	1	LINE AS-FUEL INJECTION (NO.1 CYLINDER)	
	2	1	**191-7942**	1	LINE AS-FUEL INJECTION (NO.2 CYLINDER)	
	3	1	**1W-9169**	2	CLAMP (TAPPED)	
		1	**5P-4939**	2	SCREW-MACHINE (5/16-10X0.625 IN)	
	4	1	**1W-9168**	7	CLAMP (UNTAPPED)	
	5	1	**7M-9831**	3	SCREW-MACHINE	
	6	1	**6V-7699**	6	WASHER-HARD (5.5X13X1.6MM THK)	
	7	1	**4B-2047**	3	NUT (10-24 THD)	
	8	1	**1W-9167**	1	CLAMP AS-FUEL LINE	



GRAPHIC #1 **<END>** g00613341

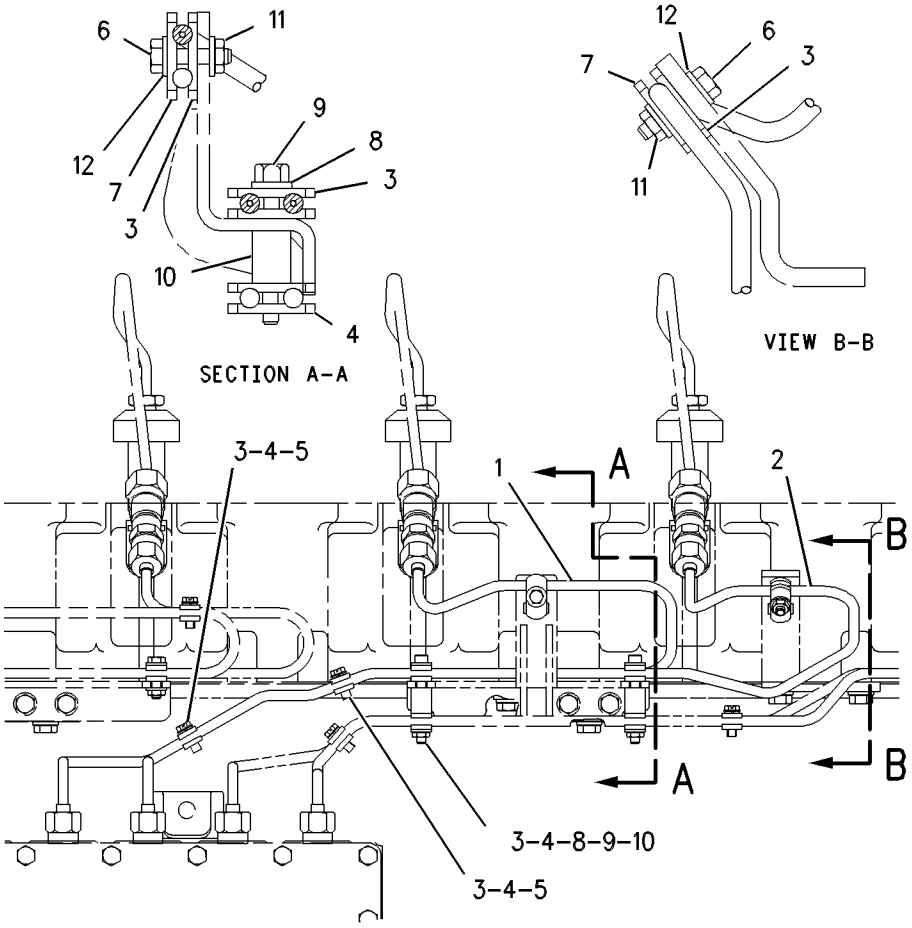
4P-9659 LINES GP-FUEL INJECTION

S/N: 1DZ3603-UP

PART OF 131-0188, 9Y-3070 LINES GP-FUEL INJECTION

SMCS-1252, 1254 **i01862537**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**191-7943**	1	LINE AS-FUEL INJECTION (NO.3 CYLINDER)	
	2	1	**191-7944**	1	LINE AS-FUEL INJECTION (NO.4 CYLINDER)	
	3	1	**1W-9168**	8	CLAMP (UNTAPPED)	
	4	1	**1W-9169**	4	CLAMP (TAPPED)	
	5	1	**5P-4939**	2	SCREW-MACHINE (5/16-10X0.625 IN)	
	6	1	**7M-9910**	2	SCREW-MACHINE (M10X24X25.4MM)	
	7	1	**1W-9167**	2	CLAMP AS-FUEL LINE	
	8	1	**4B-4274**	2	WASHER (5.5X13X1.2MM THK)	
	9	1	**104-3038**	2	SCREW-MACHINE	
	10	1	**144-3517**	2	CLAMP AS	
	11	1	**4B-2047**	2	NUT (10-24 THD)	
	12	1	**6V-7699**	4	WASHER-HARD (5.5X13X1.6MM THK)	



GRAPHIC #1 **<END>** g00604629

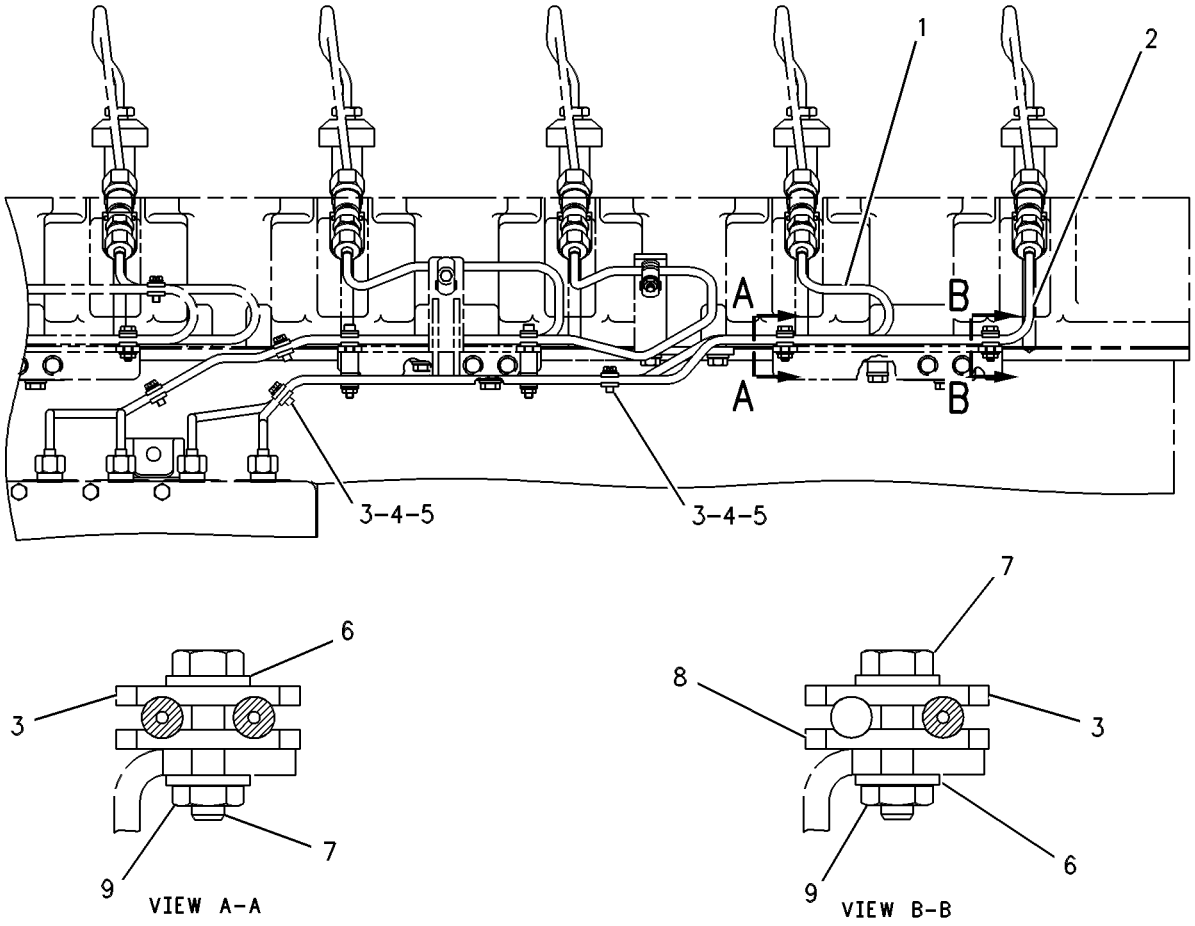
4P-9660 LINES GP-FUEL INJECTION

S/N: 1DZ3603-UP

PART OF 131-0188, 9Y-3070 LINES GP-FUEL INJECTION

SMCS-1252, 1254 **i01862542**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**191-7945**	1	LINE AS-FUEL INJECTION (NO.5 CYLINDER)	
	2	1	**191-7946**	1	LINE AS-FUEL INJECTION (NO.6 CYLINDER)	
	3	1	**1W-9168**	5	CLAMP (UNTAPPED)	
	4	1	**1W-9169**	2	CLAMP (TAPPED)	
	5	1	**5P-4939**	2	SCREW-MACHINE (5/16-10X0.625 IN)	
	6	1	**6V-7699**	4	WASHER-HARD (5.5X13X1.6MM THK)	
	7	1	**7M-9831**	2	SCREW-MACHINE (10-24X0.88 IN)	
	8	1	**1W-9167**	1	CLAMP AS-FUEL LINE	
	9	1	**4B-2047**	2	NUT (10-24 THD)	



GRAPHIC #1 **<END>** g00286206

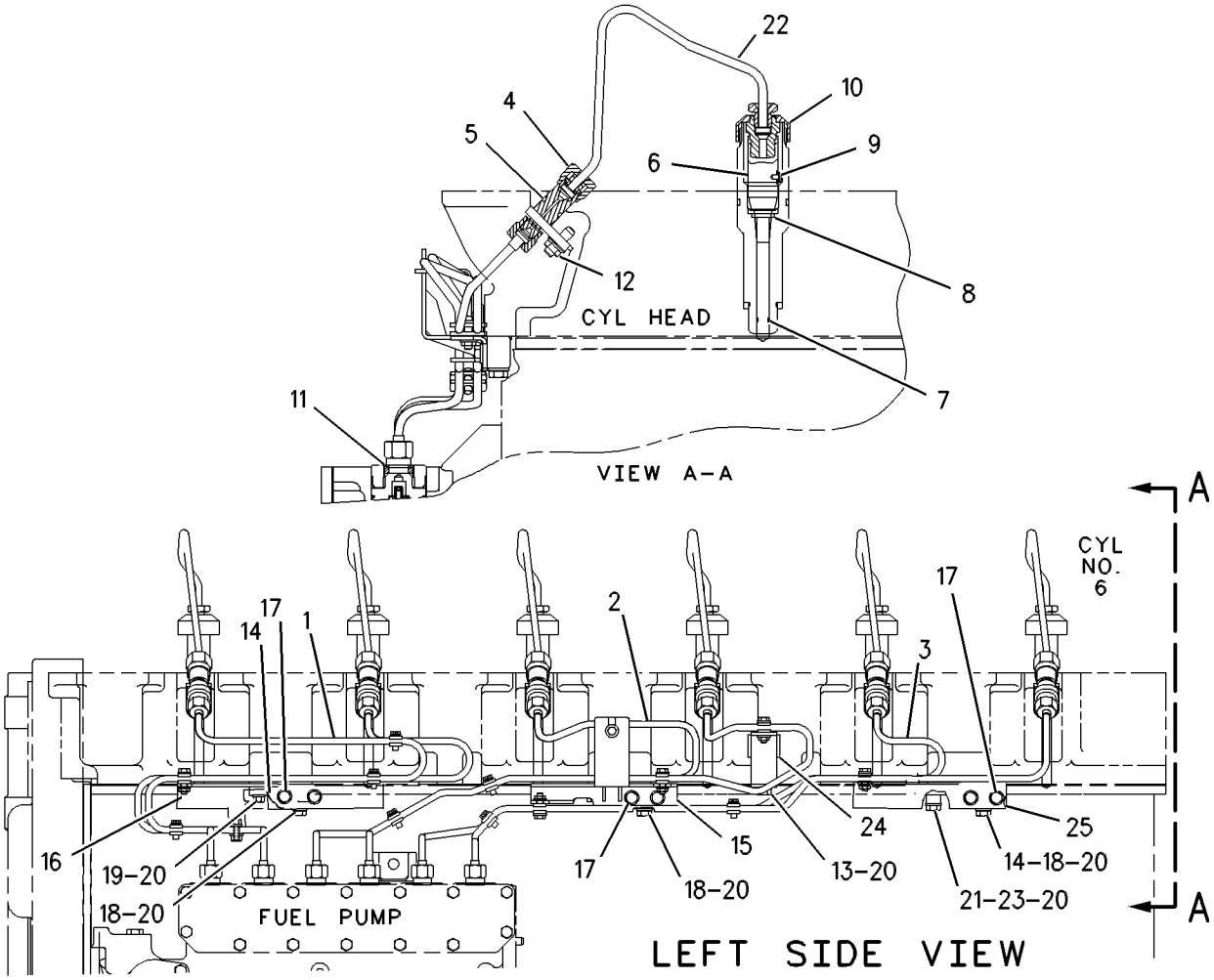
9Y-3070 LINES GP-FUEL INJECTION

S/N: 1DZ3603-UP

SMCS-1252, 1254 **i01382033**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*4P-9658*	1	LINES GP-FUEL INJECTION	256
Y	2	1	*4P-9659*	1	LINES GP-FUEL INJECTION	257
Y	3	1	*4P-9660*	1	LINES GP-FUEL INJECTION	258
	4	1	**178-1318**	6	ADAPTER AS	
					(EACH INCLUDES)	
	5	1	**117-1385**	1	SEAL-O-RING (13.94MM ID)	
R	6	1	**7W-7037**	6	NOZZLE AS	
					(EACH INCLUDES)	
	7	1	**9L-9098**	1	SEAL-CARBON STOP (3/8 IN OD)	
	8	1	**7W-4487**	1	WASHER (9.76MM ID)	
	9	1	**8C-3234**	1	SCREW-BUTTON HEAD	
		1	**8T-0659**	1	WASHER-SEAL	
	10	1	**7W-2315**	6	RETAINER	
	11	1	**8H-9204**	6	WASHER-FELT	
	12	1	**9L-9814**	6	LOCKNUT (5/16-18 THD)	
	13	1	**0S-1617**	2	BOLT (5/16-18X.75 IN)	
	14	1	**7C-9198**	3	BLOCK	
	15	1	**141-2676**	1	BRACKET AS	
	16	1	**141-2675**	1	BRACKET	
	17	1	**0S-1615**	6	BOLT (1/4-20X.75 IN)	
		1	**5P-0537**	6	WASHER-HARD (7.2X14.5X2MM THK)	
	18	1	**1A-9579**	3	BOLT (5/16-18X1.5IN)	
	19	1	**0S-1618**	2	BOLT (5/16-18X1.0 IN)	
	20	1	**9M-1974**	8	WASHER-HARD (8.8 X 16 X 2MM THK)	
	21	1	**054-4984**	1	SPACER	
	22	1	**185-2831**	6	LINE AS-FUEL INJECTION	
					(EACH INCLUDES)	
		1	**8L-2779**	1	SEAL-O-RING (9.25MM ID)	
	23	1	**1B-2790**	1	BOLT (5/16-18X1.375 IN)	
	24	1	**141-2674**	1	BRACKET	
	25	1	**141-2672**	1	BRACKET	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00282761

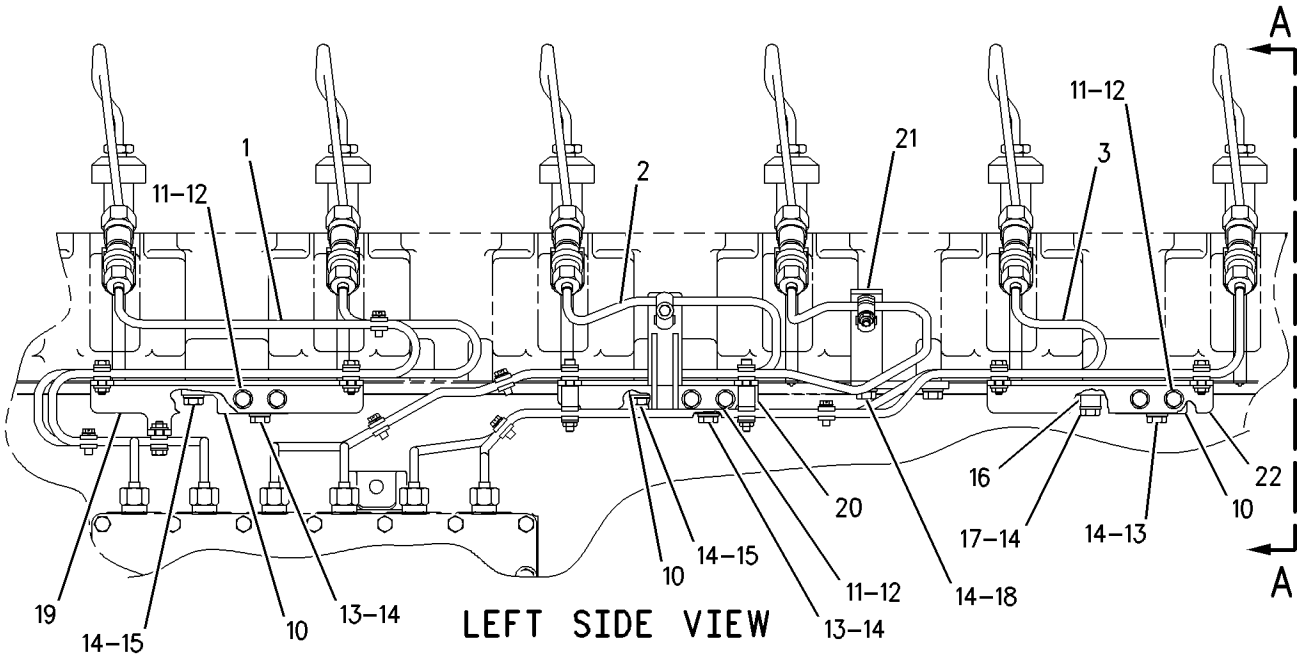
131-0188 LINES GP-FUEL INJECTION

S/N: 1DZ3603-UP

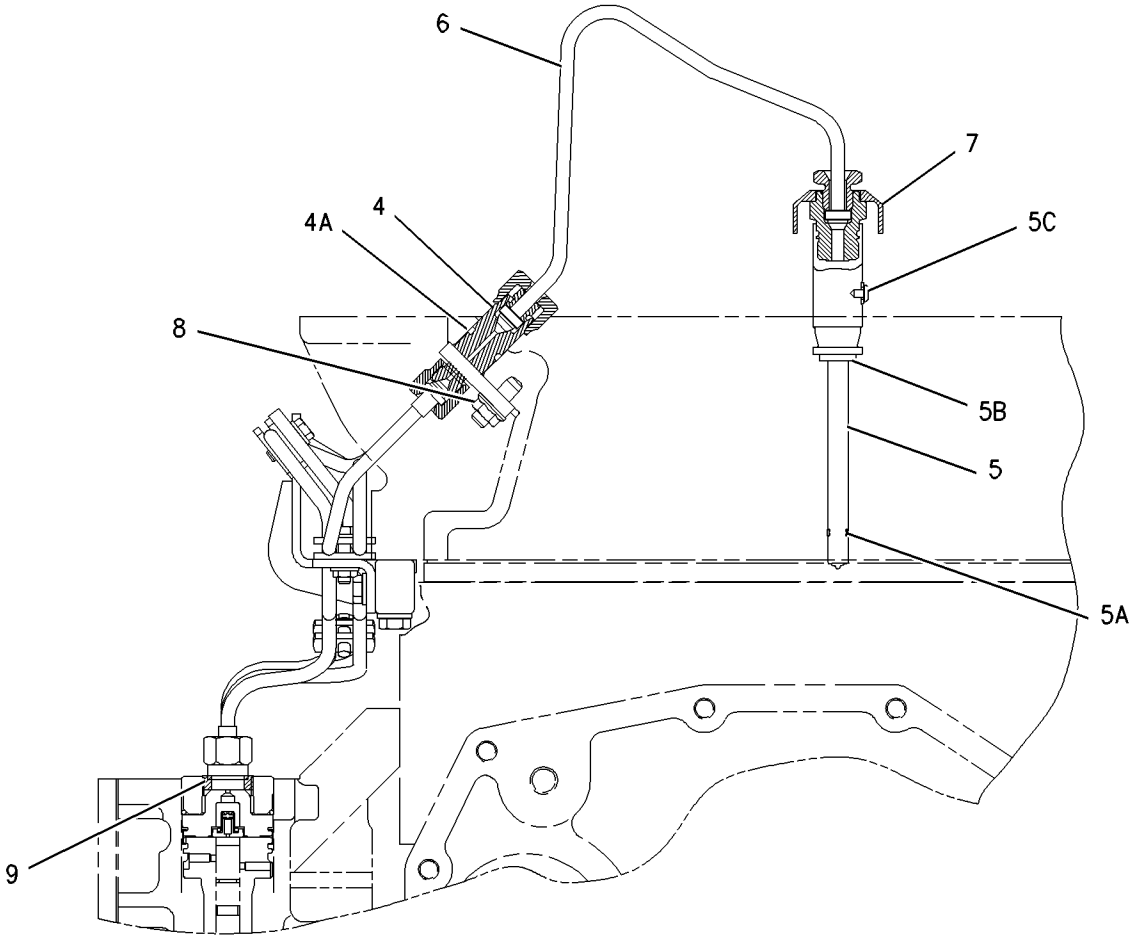
SMCS-1252, 1254 **i01367862**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*4P-9658*	1	LINES GP-FUEL INJECTION	256
Y	2	1	*4P-9659*	1	LINES GP-FUEL INJECTION	257
Y	3	1	*4P-9660*	1	LINES GP-FUEL INJECTION	258
	4	1	**178-1318**	6	ADAPTER AS	
					(EACH INCLUDES)	
	4A	1	**117-1385**	1	SEAL-O-RING (13.94MM ID)	
R	5	1	**130-5187**	6	NOZZLE AS	
					(EACH INCLUDES)	
	5A	1	**9L-9098**	1	SEAL-CARBON STOP (3/8 IN OD)	
	5B	1	**7W-4487**	1	WASHER (9.76MM ID)	
	5C	1	**114-3364**	1	WASHER (SEALING)	
	6	1	**185-2831**	6	LINE AS-FUEL INJECTION	
		1	**8L-2779**	1	SEAL-O-RING (9.25MM ID)	
	7	1	**7W-2315**	6	RETAINER	
	8	1	**9L-9814**	6	LOCKNUT (5/16-18 THD)	
	9	1	**8H-9204**	6	WASHER-FELT	
	10	1	**7C-9198**	3	BLOCK	
	11	1	**0S-1615**	6	BOLT (1/4-20X.75 IN)	
	12	1	**5P-0537**	6	WASHER-HARD (2MM THK)	
	13	1	**1A-9579**	3	BOLT (5/16-18X1.5IN)	
	14	1	**9M-1974**	8	WASHER-HARD (2MM THK)	
	15	1	**0S-1618**	2	BOLT (5/16-18X1.0 IN)	
	16	1	**054-4984**	1	SPACER	
	17	1	**1B-2790**	1	BOLT (5/16-18X1.375 IN)	
	18	1	**0S-1617**	2	BOLT (5/16-18X.75 IN)	
	19	1	**141-2675**	1	BRACKET	
	20	1	**141-2676**	1	BRACKET AS	
	21	1	**141-2674**	1	BRACKET	
	22	1	**141-2672**	1	BRACKET	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW



VIEW A-A

GRAPHIC #1 **<END>** g00722179

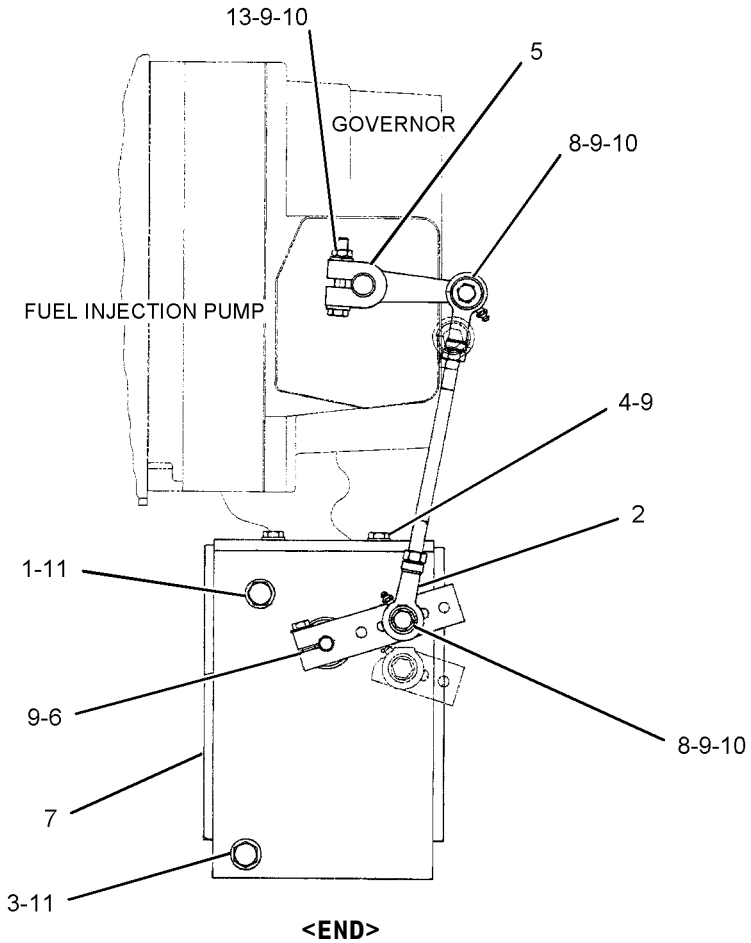
7E-0123 MOUNTING GP-GOVERNOR ACTUATOR

S/N: KPS1-UP

FOR USE WITH 6N-1016—PAGE 80, BUILDING SERVICES STANDBY GEN SET AN ATTACHMENT

SMCS-1716 **i01879525**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1588**	2	BOLT (3/8-16X1.25 IN)	
	2	1	**3R-0881**	1	ROD-CONTROL	
		1	**7L-4186**	2	ROD END	
		1	**4F-2294**	2	NUT-JAM (5/16-24 THD)	
	3	1	**4L-9337**	1	BOLT (3/8-16X1.5 IN)	
	4	1	**4M-5281**	4	BOLT (1/4-20X.750 IN)	
	5	1	**1V-0002**	1	LEVER	
	6	1	**7C-9189**	1	LEVER-GOVERNOR CONTROL	
		1	**8T-8908**	1	BOLT (1/4-20X1 IN)	
	7	1	**9Y-4397**	1	BRACKET AS	
	8	1	**7X-2501**	2	BOLT (1/4-20X1.25 IN)	
	9	1	**8T-4205**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	10	1	**6V-8185**	3	NUT (1/4-20 THD)	
	11	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
	13	1	**5P-2675**	1	BOLT (1/4-20X1.75 IN)	



GRAPHIC #1 **<END>** g01015991

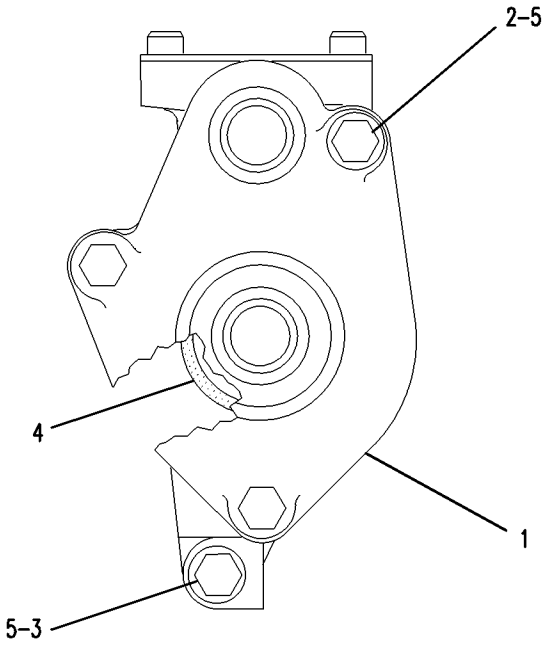
2W-4381 PUMP & MTG GP-FUEL TRANSFER

S/N: 1DZ3603-UP

SMCS-1256 **i01378011**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**1W-1700**	1	PUMP GP-FUEL TRANSFER	271
	2	1	**4B-9365**	1	BOLT (1/4-20X3IN)	
	3	1	**0S-1615**	1	BOLT (1/4-20X.75 IN)	
	4	1	**4J-8997**	1	SEAL-O-RING (28.17MM ID)	
	5	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00108359

FUEL SYSTEM

4P-1385 PUMP GP-FUEL INJECTION

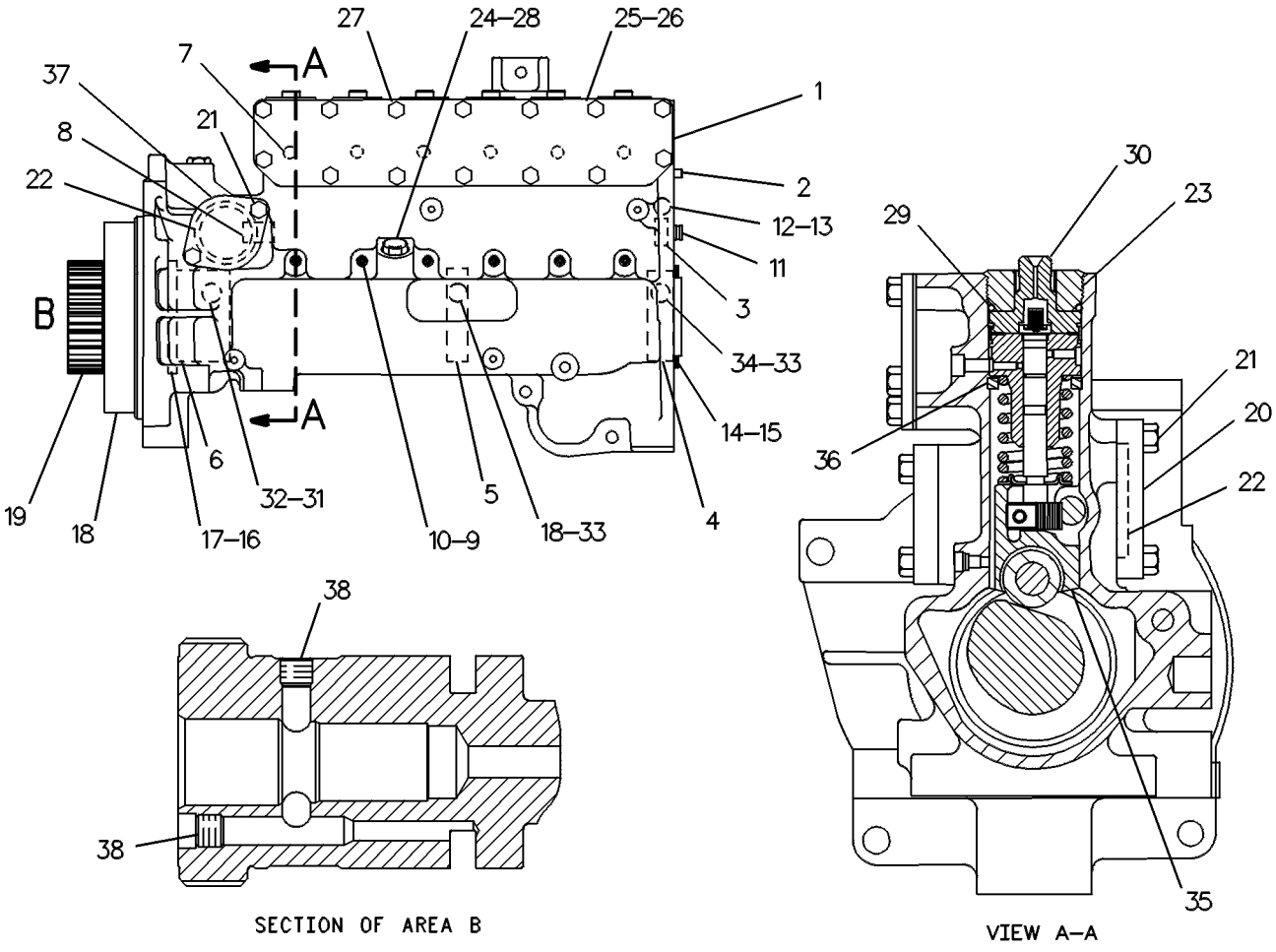
S/N: KPS1-UP; 1DZ3603-UP
PART OF 2W-8543, 2W-9103, 4P-0667 PUMP GP-GOV & FUEL INJ, 2W-8030 PUMP GP-GOV DRIVE & FUEL INJ
ALSO AN ATTACHMENT

SMCS-1251, 1290 **i01395209**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-5887**	1	HOUSING GP-FUEL PUMP	
	2	1	**4F-2099**	1	DOWEL	
	3	1	**1S-1953**	1	BEARING-RACK	
	4	1	**7E-6002**	1	BEARING-SLEEVE	
	5	1	**7E-6003**	1	BEARING-SLEEVE	
	6	1	**7E-6004**	1	BEARING-SLEEVE	
	7	1	**8N-0654**	6	DOWEL	
	8	1	**1W-3285**	1	BEARING-RACK	
	9	1	**8N-3731**	6	PIN-LIFTER GUIDE	
	10	1	**3H-0442**	6	SEAL-O-RING (3.68MM ID)	
	11	1	**8N-9367**	1	RACK-REGULATOR	
	12	1	**9S-8001**	1	PLUG-O-RING	
	13	1	**109-9685**	1	SEAL-O-RING (6.07MM ID)	
	14	1	**8E-5237**	2	RACE-THRUST BEARING	
	15	1	**7L-3326**	1	BEARING-THRUST	
	16	1	**9N-1545**	2	RACE-THRUST BEARING	
	17	1	**3S-8022**	1	BEARING-THRUST	
	18	1	**4P-1379**	1	RING-GUIDE	
	19	1	**4P-1347**	1	CAMSHAFT-FUEL PUMP	
	20	1	**8N-9371**	1	COVER	
	21	1	**4F-7957**	4	BOLT (1/4-20X.875 IN)	
	22	1	**8J-4351**	2	SEAL-O-RING (44.04MM ID)	
	23	1	**113-7794**	6	BUSHING	
	24	1	**3J-7354**	2	SEAL-O-RING (8.92MM ID)	
	25	1	**144-0482**	1	GASKET	
	26	1	**7W-0683**	1	COVER-GALLERY	
	27	1	**0S-1615**	14	BOLT (1/4-20X.75 IN)	
	28	1	**9S-4182**	2	PLUG-O-RING	
	29	1	**131-3719**	6	SEAL-O-RING (36.54MM ID)	
Y	30	1	**108-6633**	6	PUMP GP-FUEL INJECTION	267
	31	1	**109-3206**	1	SEAL-O-RING (10.52MM ID)	
	32	1	**9S-8003**	1	PLUG-O-RING	
	33	1	**5P-7813**	2	SEAL-O-RING (7.65MM ID)	
	34	1	**9S-8007**	2	PLUG-O-RING	
	35	1	**7E-6011**	6	LIFTER AS	
	36	1	**7E-9907**	6	SPACER-FUEL PUMP TIMING	
	37	1	**1W-5785**	1	COVER	
	38	1	**6V-5135**	2	SETSCREW-SOCKET	

Y-SEPARATE ILLUSTRATION

4P-1385 PUMP GP-FUEL INJECTION *(contd.)* i01395209



GRAPHIC #1 **<END>** g00239854

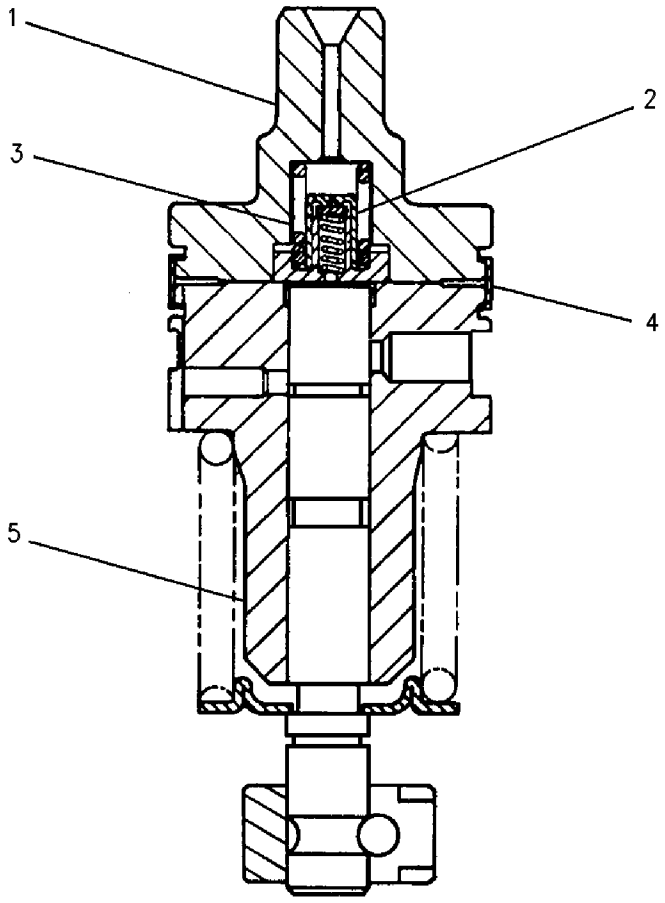
FUEL SYSTEM

108-6633 PUMP GP-FUEL INJECTION

S/N: KPS1-UP; 1DZ3603-UP
PART OF 129-5672, 4P-1385 PUMP GP-FUEL INJECTION
ALSO AN ATTACHMENT

SMCS-1251, 1290 **i01877815**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**108-2102**	1	BONNET-VALVE	
	2	1	**4P-7688**	1	VALVE AS-CHECK (FUEL INJECTION PUMP)	
	3	1	**8N-5993**	1	SPRING-FLOW CHECK	
	4	1	**1N-3257**	1	RING-RETAINING	
	5	1	**108-2104**	1	PLUNGER & BARREL AS	



GRAPHIC #1 **<END>** g00604648

129-5672 PUMP GP-FUEL INJECTION

S/N: KPS1-UP; 1DZ3603-UP

PART OF 131-1955 PUMP GP-GOV & FUEL INJ, 132-3122 PUMP GP-GOV DRIVE & FUEL INJ

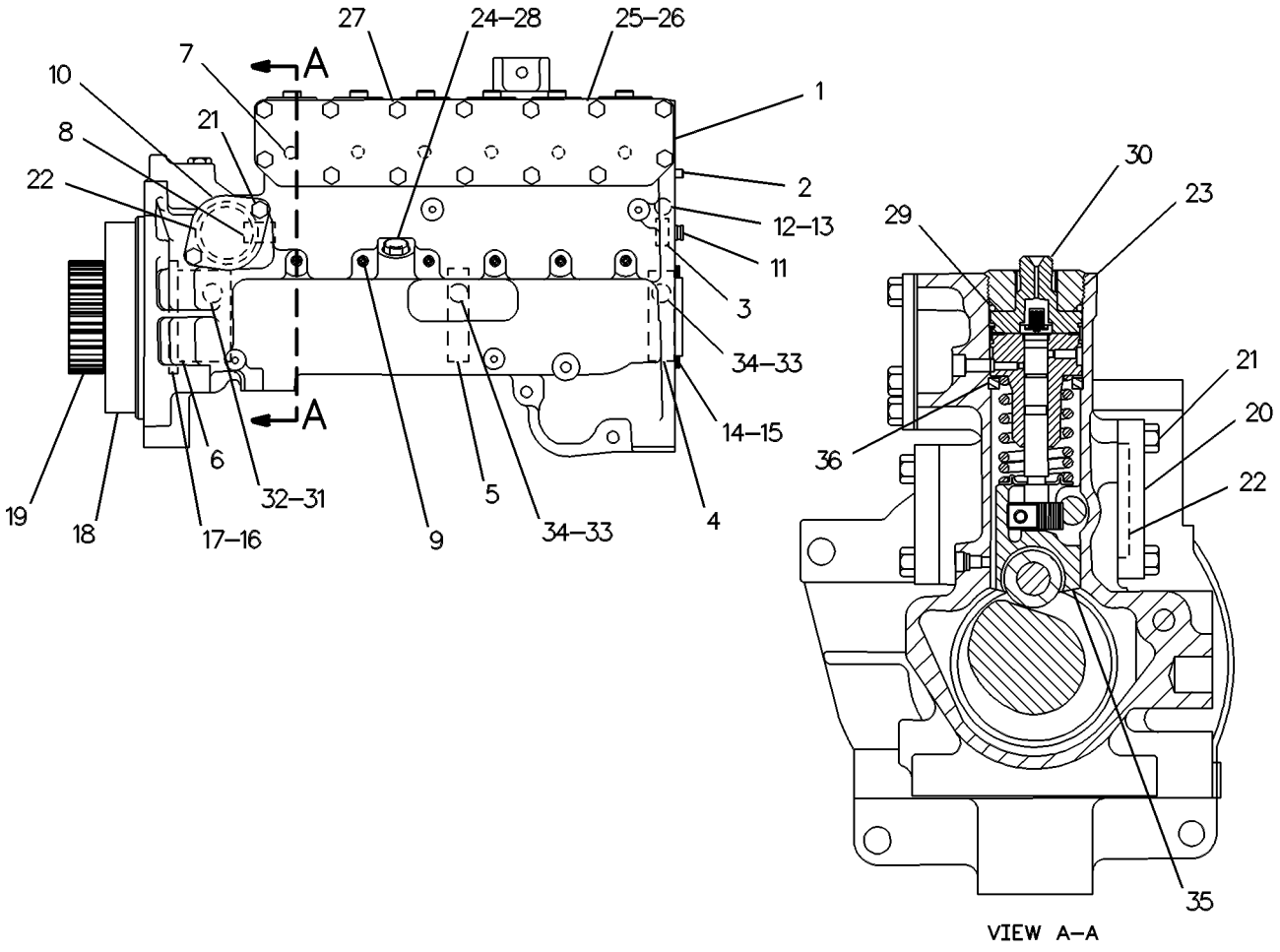
ALSO AN ATTACHMENT

SMCS-1251, 1290 **i00672745**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-5887**	1	HOUSING AS-FUEL PUMP	
	2	1	**4F-2099**	1	DOWEL	
	3	1	**1S-1953**	1	BEARING-RACK	
	4	1	**7E-6002**	1	BEARING-SLEEVE	
	5	1	**7E-6003**	1	BEARING-SLEEVE	
	6	1	**7E-6004**	1	BEARING-SLEEVE	
	7	1	**4P-7045**	6	DOWEL	
	8	1	**1W-3285**	1	BEARING-RACK	
	9	1	**4P-8480**	6	PIN-PUMP GUIDE	
	10	1	**1W-5785**	1	COVER	
	11	1	**8N-9367**	1	RACK-REGULATOR	
	12	1	**9S-8001**	1	PLUG-O-RING (5/16-24 THD)	
	13	1	**109-9685**	1	SEAL-O-RING (6.07MM ID)	
	14	1	**8E-5237**	2	RACE-THRUST	
	15	1	**7L-3326**	1	BEARING-THRUST	
	16	1	**9N-1545**	2	RACE-THRUST	
	17	1	**3S-8022**	1	BEARING-THRUST	
	18	1	**4P-2948**	1	RING-GUIDE	
	19	1	**129-5670**	1	CAMSHAFT-FUEL PUMP	
	20	1	**8N-9371**	1	COVER	
	21	1	**4F-7957**	4	BOLT (1/4-20X.875IN)	
	22	1	**8J-4351**	2	SEAL-O-RING (44.04MM ID)	
	23	1	**113-7794**	6	BUSHING	
	24	1	**3J-7354**	2	SEAL-O-RING (8.92MM ID)	
	25	1	**144-0482**	1	GASKET	
	26	1	**7W-0683**	1	COVER-GALLERY	
	27	1	**0S-1615**	14	BOLT (1/4-20X.75IN)	
	28	1	**9S-4182**	2	PLUG (7/16-20 THD)	
	29	1	**131-3719**	6	SEAL-O-RING (36.54MM ID)	
Y	30	1	**108-6633**	6	PUMP GP-FUEL INJECTION	267
	31	1	**109-3206**	1	SEAL-O-RING (10.52MM ID)	
	32	1	**9S-8003**	1	PLUG-O-RING (1/2-20 THD)	
	33	1	**5P-7813**	2	SEAL-O-RING (7.65MM ID)	
	34	1	**9S-8007**	2	PLUG-O-RING (3/8-24 THD)	
	35	1	**7E-6011**	6	LIFTER AS	
	36	1	**7E-9907**	6	SPACER-FUEL PUMP TIMING	

Y-SEPARATE ILLUSTRATION

129-5672 PUMP GP-FUEL INJECTION *(contd.)* i00672745



GRAPHIC #1 **<END>** g00254242

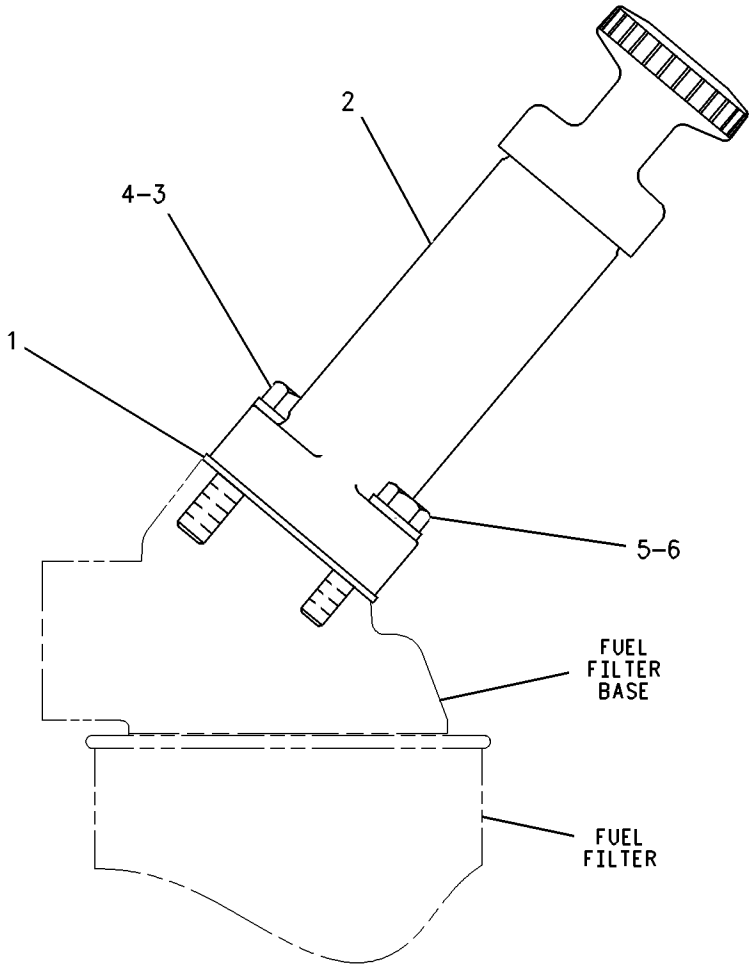
FUEL SYSTEM

145-8855 PUMP GP-FUEL PRIMING

S/N: 1DZ3603-UP

SMCS-1258 **i01627516**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-0436**	1	GASKET (FUEL PRIMING PUMP)	
	2	1	**137-5541**	1	PUMP GP-FUEL PRIMING	
	3	1	**1B-2790**	1	BOLT (5/16-18X1.375 IN)	
	4	1	**5P-0537**	1	WASHER-HARD (7.2X14.5X2MM THK)	
	5	1	**9M-1974**	1	WASHER-HARD (8.8X16X2MM THK)	
	6	1	**7B-2742**	1	BOLT (1/4-20X1.25 IN)	



GRAPHIC #1 **<END>** g00843163

1W-1700 PUMP GP-FUEL TRANSFER*R

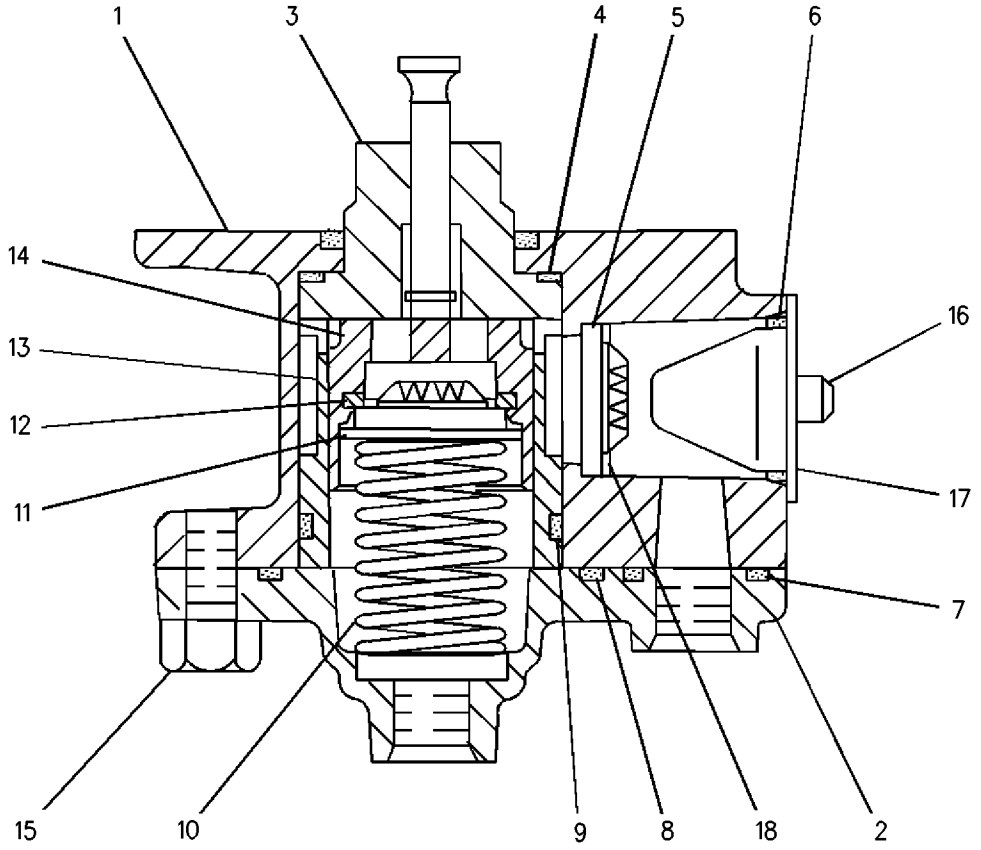
S/N: 1DZ3603-UP

PART OF 2W-4381 PUMP & MTG GP-FUEL TRANSFER

SMCS-1256 **i01877816**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-1698**	1	HOUSING-TRANSFER PUMP	
	2	1	**1W-1699**	1	COVER	
	3	1	**1W-5910**	1	GUIDE & TAPPET AS	
	4	1	**6J-2419**	1	SEAL-O-RING	
C	5	1	**7E-2464**	3	VALVE AS (CHECK)(FUEL TRANSFER PUMP)	
	6	1	**3D-2824**	1	SEAL-O-RING (23.5MM ID)	
	7	1	**6F-6672**	1	SEAL-O-RING (17.12MM ID)	
	8	1	**3D-2898**	1	SEAL-O-RING (1.925IN ID)	
	9	1	**5P-8215**	1	SEAL-O-RING (39.34MM ID)	
	10	1	**7W-0134**	1	SPRING-PUMP	
	11	1	**8N-2637**	1	WASHER (21.3X29.5X1.6MM THK)	
C	12	1	**7E-3667**	1	SPACER	
	13	1	**8N-2641**	1	SLEEVE	
	14	1	**1W-1669**	1	PISTON	
	15	1	**0S-1615**	2	BOLT (1/4-20X0.75 IN)	
	16	1	**6D-8498**	2	SCREW-HEAD	
	17	1	**8N-2640**	1	COVER	
C	18	1	**7E-4656**	1	RETAINER	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00726857

FUEL SYSTEM

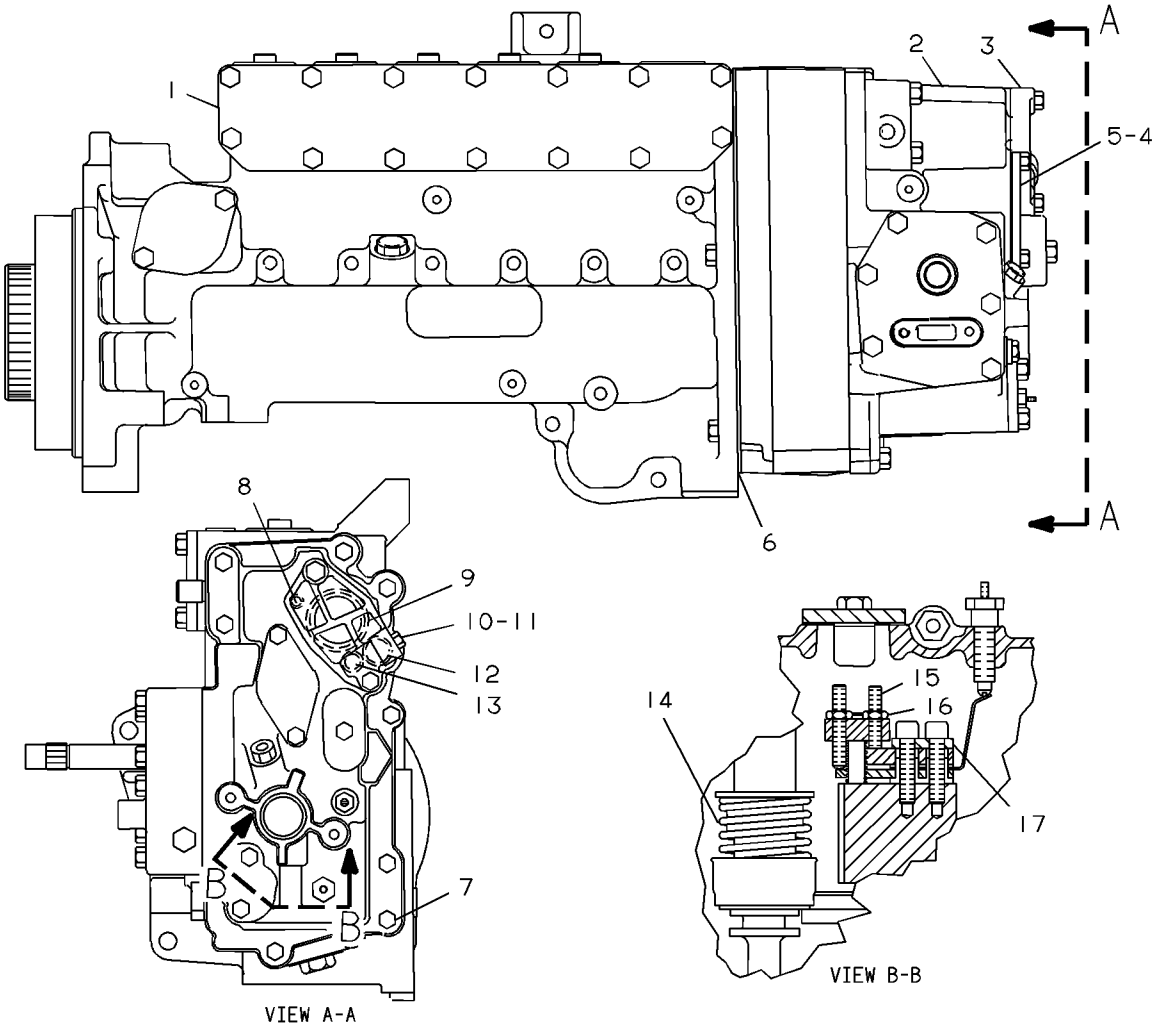
2W-8543 PUMP GP-GOV & FUEL INJ

S/N: 1DZ3603-UP

SMCS-1286 **i00958629**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**4P-1385**	1	PUMP GP-FUEL INJECTION	265
Y	2	1	**2W-8576**	1	GOVERNOR GP	243
	3	1	**8N-3799**	1	COVER-FUEL RATIO	
	4	1	**2W-5447**	1	GASKET	
	5	1	**2W-5448**	1	COVER	
	6	1	**8N-9382**	1	GASKET	
CY	7	1	*9Y-1234*	1	FASTENER GP-FUEL INJ PUMP	230
	8	1	**8J-8343**	1	SEAL-O-RING (6.02MM ID)	
	9	1	**8M-8515**	1	SEAL-O-RING (32.99MM ID)	
	10	1	**9S-4180**	1	PLUG-O-RING (5/16-24 THD)	
	11	1	**4J-7533**	1	SEAL-O-RING (6.07MM ID)	
	12	1	**5P-6620**	1	SEAL-O-RING (14MM ID)	
	13	1	**033-5879**	1	SEAL-O-RING (11.12MM ID)	
	14	1	**4W-8915**	1	SPRING-GOVERNOR	
C	15	1	**5H-6552**	1	SETSCREW-SOCKET (31.75MM LG)	
C	16	1	**8L-5832**	1	NUT-HEX (10-32 THD)	
Y	17	1	*2W-6660*	1	TORQUE CONTROL GP	292

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00199741

FUEL SYSTEM

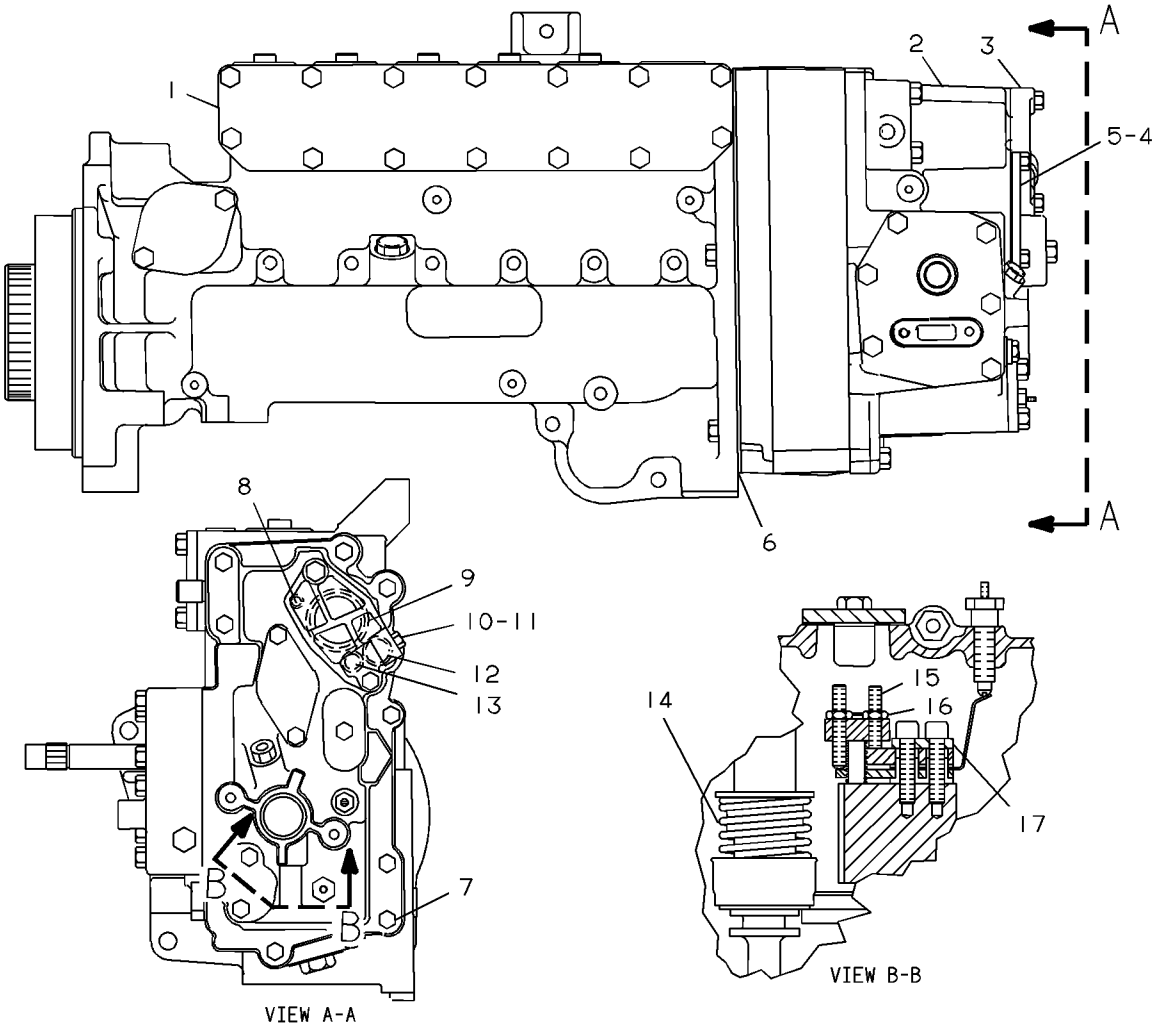
2W-9103 PUMP GP-GOV & FUEL INJ

S/N: 1DZ3603-UP

SMCS-1286 **i00704334**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**4P-1385**	1	PUMP GP-FUEL INJECTION	265
Y	2	1	**2W-8576**	1	GOVERNOR GP	243
	3	1	**8N-3799**	1	COVER-FUEL RATIO	
	4	1	**2W-5447**	1	GASKET	
	5	1	**2W-5448**	1	COVER	
	6	1	**8N-9382**	1	GASKET	
CY	7	1	*9Y-1234*	1	FASTENER GP-FUEL INJ PUMP	230
	8	1	**8J-8343**	1	SEAL-O-RING (6.02MM ID)	
	9	1	**8M-8515**	1	SEAL-O-RING (32.99MM ID)	
	10	1	**9S-4180**	1	PLUG-O-RING (5/16-24 THD)	
	11	1	**4J-7533**	1	SEAL-O-RING (6.07MM ID)	
	12	1	**5P-6620**	1	SEAL-O-RING (14MM ID)	
	13	1	**033-5879**	1	SEAL-O-RING (11.12MM ID)	
	14	1	**7W-1224**	1	SPRING-GOVERNOR	
C	15	1	**5H-6552**	1	SETSCREW-SOCKET (31.75MM LG)	
C	16	1	**8L-5832**	1	NUT-HEX (10-32 THD)	
Y	17	1	*2W-6660*	1	TORQUE CONTROL GP	292

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00199741

FUEL SYSTEM

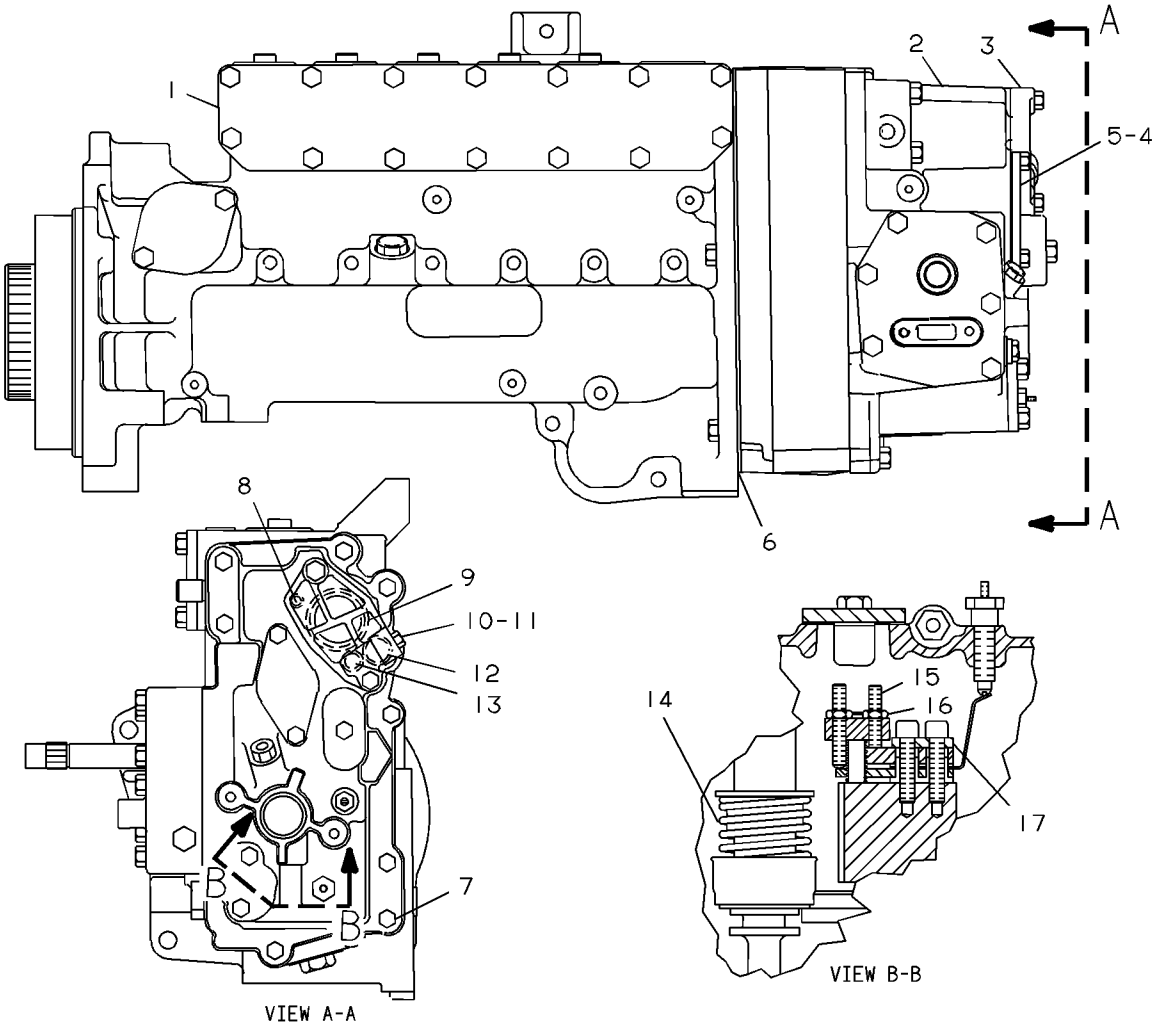
4P-0667 PUMP GP-GOV & FUEL INJ

S/N: 1DZ3603-UP

SMCS-1286 **i00972768**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**4P-1385**	1	PUMP GP-FUEL INJECTION	265
Y	2	1	**2W-8576**	1	GOVERNOR GP	243
	3	1	**8N-3799**	1	COVER-FUEL RATIO	
	4	1	**7E-6785**	1	GASKET	
	5	1	**2W-5448**	1	COVER	
	6	1	**8N-9382**	1	GASKET	
Y	7	1	*9Y-1234*	1	FASTENER GP-FUEL INJ PUMP	230
	8	1	**8J-8343**	1	SEAL-O-RING (6.02MM ID)	
	9	1	**8M-8515**	1	SEAL-O-RING (32.99MM ID)	
	10	1	**9S-4180**	1	PLUG-O-RING (5/16-24 THD)	
	11	1	**4J-7533**	1	SEAL-O-RING (6.07MM ID)	
	12	1	**5P-6620**	1	SEAL-O-RING (14MM ID)	
	13	1	**033-5879**	1	SEAL-O-RING (11.12MM ID)	
	14	1	**8N-9599**	1	SPRING-GOVERNOR	
	15	1	**5H-6552**	1	SETSCREW-SOCKET (31.75MM LG)	
	16	1	**8L-5832**	1	NUT-HEX (10-32 THD)	
Y	17	1	*2W-6660*	1	TORQUE CONTROL GP	292

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00199741

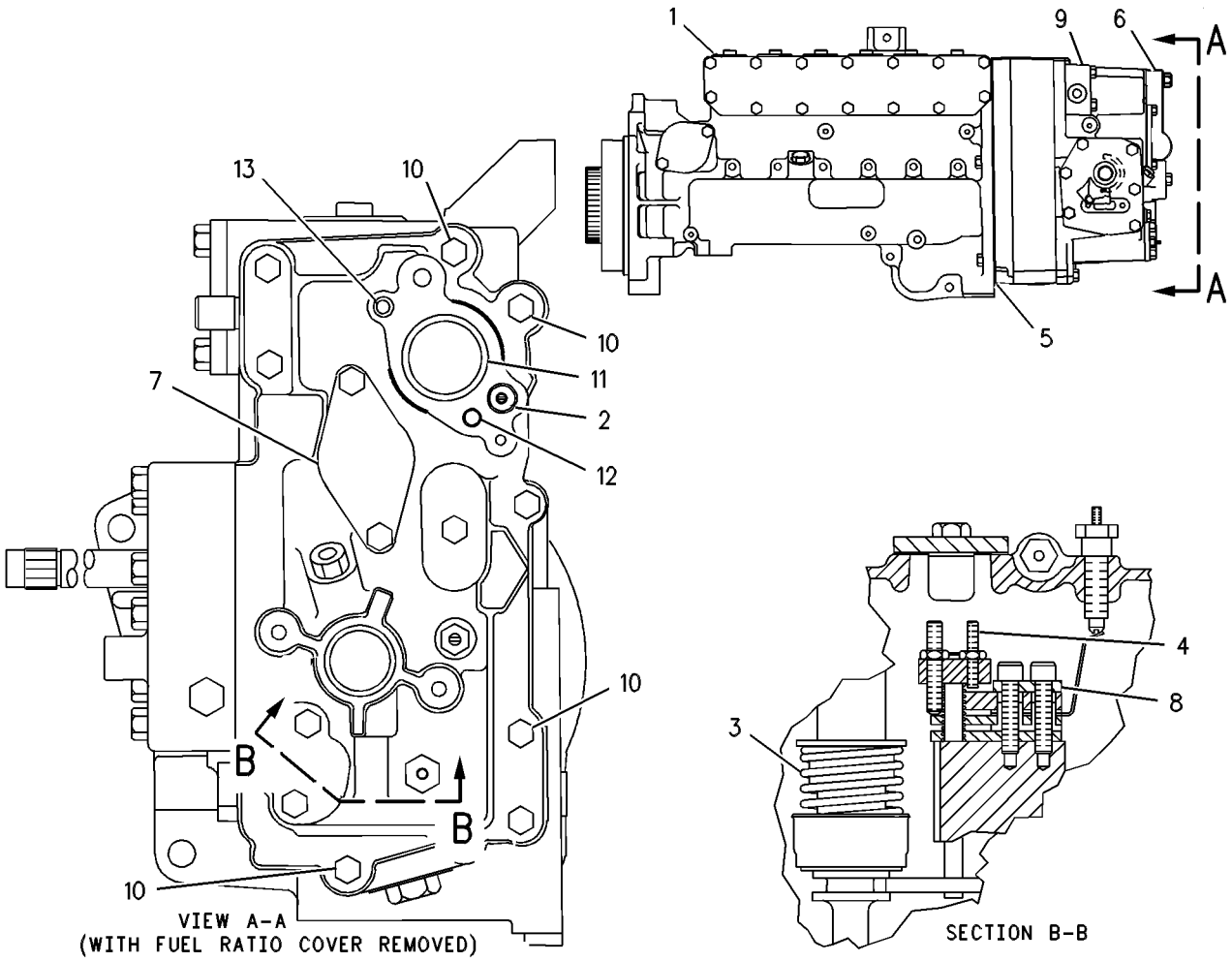
131-1955 PUMP GP-GOV & FUEL INJ

S/N: 1DZ3603-UP

SMCS-1286 **i01974045**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**129-5672**	1	PUMP GP-FUEL INJECTION	268
	2	1	**5P-6620**	1	SEAL-O-RING	
		1	**2D-6392**	1	SEAL-O-RING	
		1	**8N-6680**	1	SCREEN AS (GOV & FUEL INJ PUMP)	
	3	1	**2N-2878**	1	SPRING	
	4	1	**5H-6552**	1	SETSCREW-SOCKET (31.75MM LG)	
		1	**4B-2049**	1	NUT (10-32 THD)	
	5	1	**8N-9382**	1	GASKET	
	6	1	**8N-3799**	1	COVER-FUEL RATIO	
		1	**9S-4180**	1	PLUG	
		1	**4J-7533**	1	SEAL-O-RING	
	7	1	**2W-5448**	1	COVER	
		1	**7E-6785**	1	GASKET	
Y	8	1	*2W-6659*	1	TORQUE CONTROL GP	291
Y	9	1	**2W-8576**	1	GOVERNOR GP	243
Y	10	1	*9Y-1234*	1	FASTENER GP-FUEL INJ PUMP	230
	11	1	**8M-8515**	1	SEAL-O-RING	
	12	1	**033-5879**	1	SEAL-O-RING	
	13	1	**8J-8343**	1	SEAL-O-RING	
	14	1	**8M-8515**	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00268745

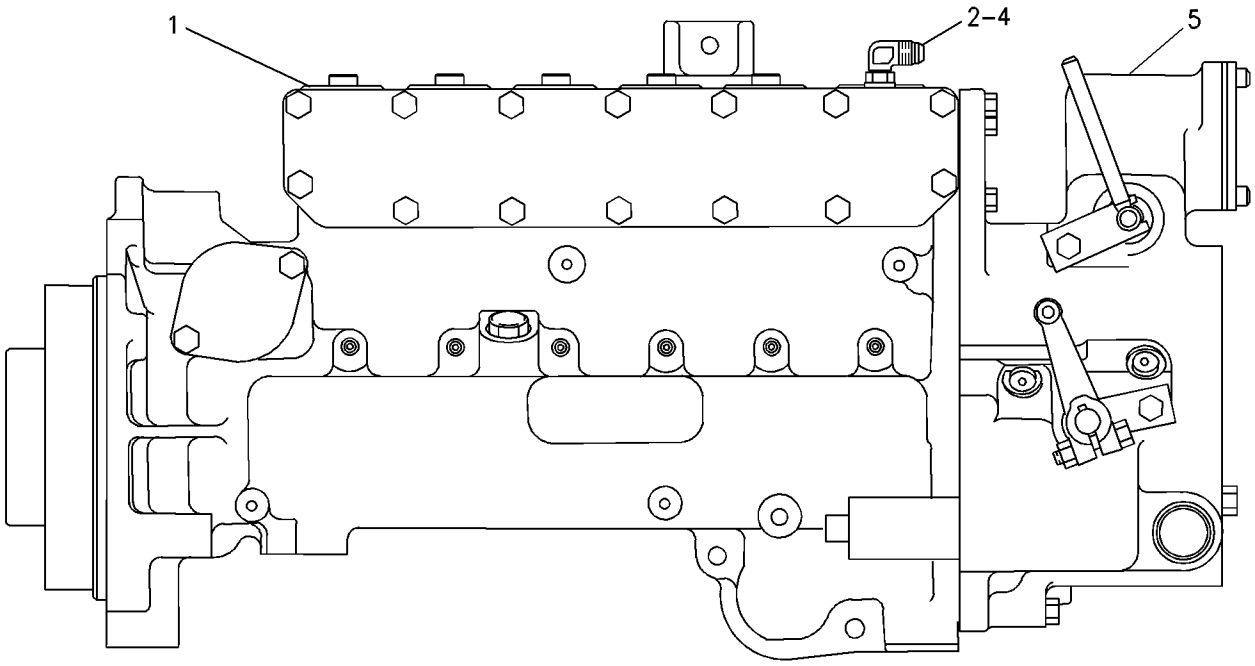
2W-8030 PUMP GP-GOV DRIVE & FUEL INJ

S/N: KPS1-UP
FOR USE WITH 5 INCH EXHAUST SYSTEMS
AN ATTACHMENT

SMCS-1288 **i01584550**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**4P-1385**	1	PUMP GP-FUEL INJECTION	265
	2	1	**1W-3151**	1	ELBOW	
	4	1	**3J-1907**	1	SEAL-O-RING	
Y	5	1	*1W-1205*	1	DRIVE GP-GOVERNOR	222

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00823524

132-3122 PUMP GP-GOV DRIVE & FUEL INJ

S/N: KPS1-UP

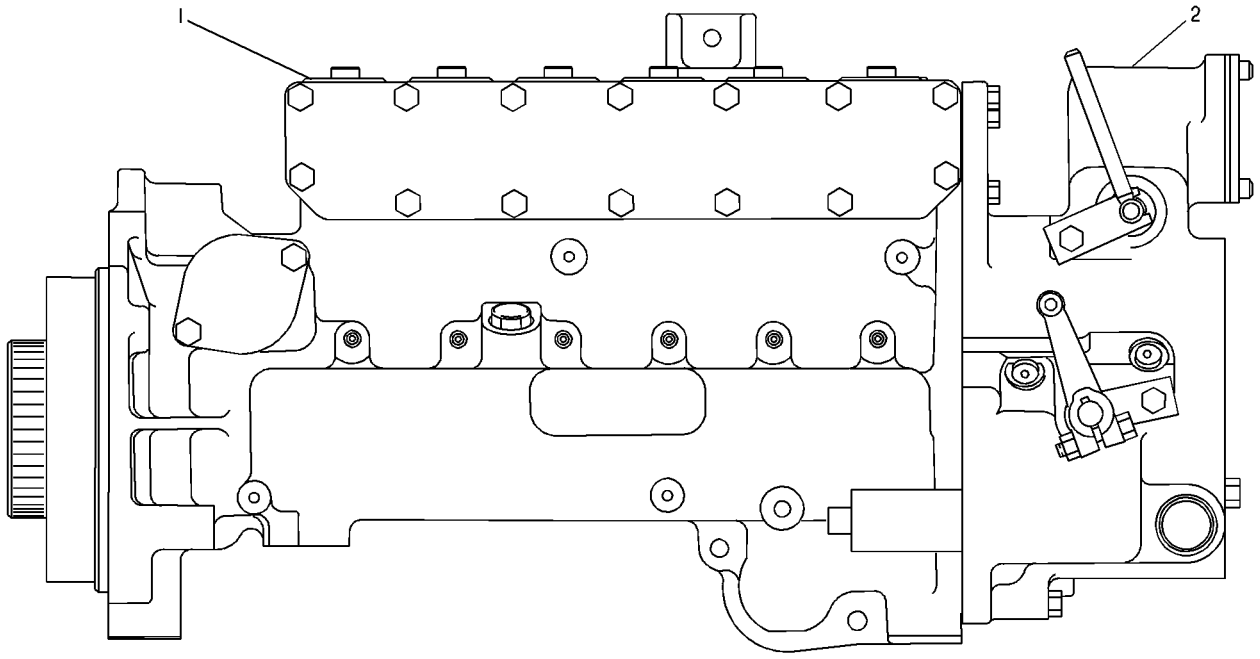
FOR USE WITH 1W-1183—PAGE 242

AN ATTACHMENT

SMCS-1288 **i00980514**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**129-5672**	1	PUMP GP-FUEL INJECTION	268
Y	2	1	*1W-1205*	1	DRIVE GP-GOVERNOR	222

Y-SEPARATE ILLUSTRATION



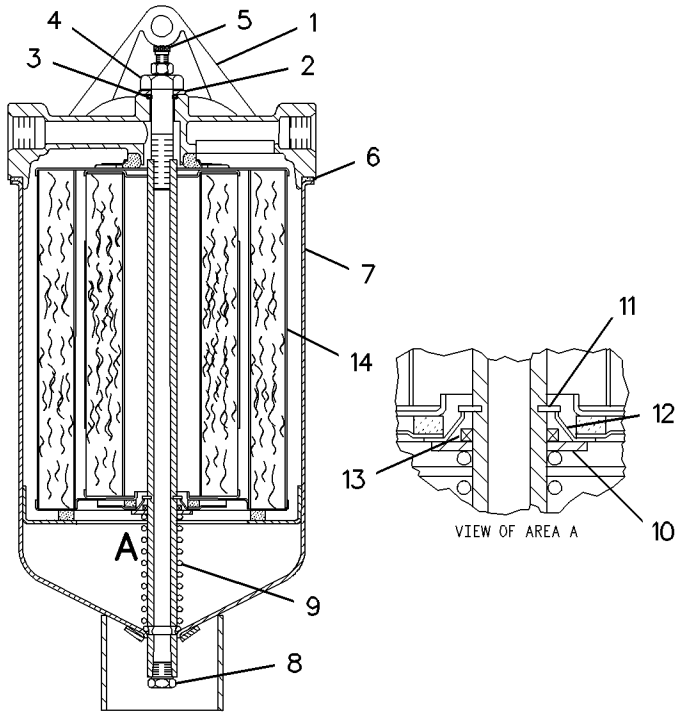
GRAPHIC #1 **<END>** g00202830

2W-4234 SEPARATOR GP-WATER

S/N: KPS1-UP
PART OF 116-1920 SEPARATOR GP-WATER
FOR USE WITH MARINE PROPULSION AND MARINE AUXILIARY ENGINES
AN ATTACHMENT

SMCS-1263 **i01956485**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-4235**	1	BASE AS (FUEL/WATER SEPARATOR)	
	2	1	**8N-1590**	1	WASHER	
	3	1	**8F-9206**	1	SEAL-O-RING	
	4	1	**8N-1588**	1	BOLT-SEPARATOR	
	5	1	**2W-4273**	1	VALVE AS-VENT (WATER SEPARATOR)	
	6	1	**8N-1589**	1	GASKET-SEPARATOR	
	7	1	**2W-4236**	1	CASE AS (FUEL/WATER SEPARATOR)	
	8	1	**5B-7890**	1	PLUG-PIPE	
	9	1	**8N-1586**	1	SPRING-SEPARATOR	
	10	1	**4B-4281**	1	WASHER (16.8X33X2.5MM THK)	
	11	1	**8F-4610**	1	RING-RETAINING	
	12	1	**8N-1587**	1	SUPPORT	
	13	1	**8N-1585**	1	SEAL-SEPARATOR	
	14	1	**8N-0205**	1	ELEMENT AS (FUEL/WATER SEPARATOR)	



GRAPHIC #1 **<END>** g00216275

FUEL SYSTEM

116-1920 SEPARATOR GP-WATER

S/N: KPS1-UP

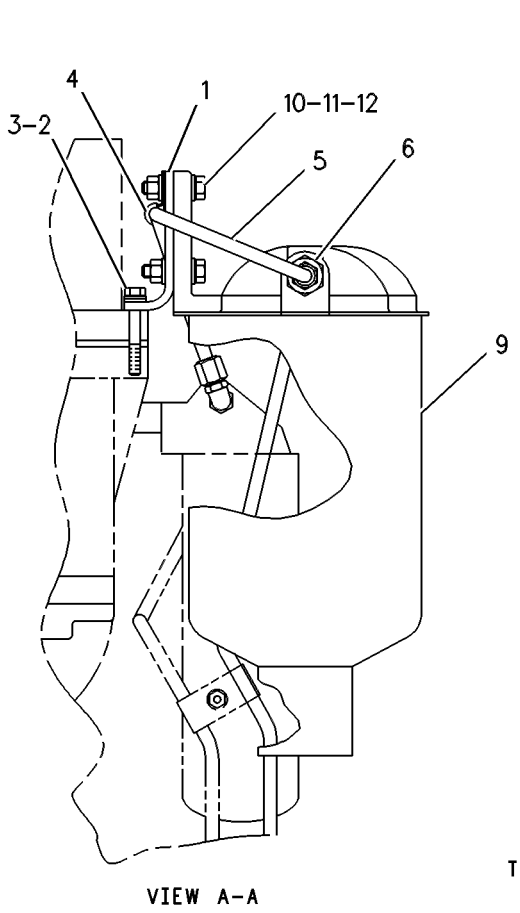
FOR USE WITH 1W-8347—PAGE 145, 2W-3452—PAGE 253

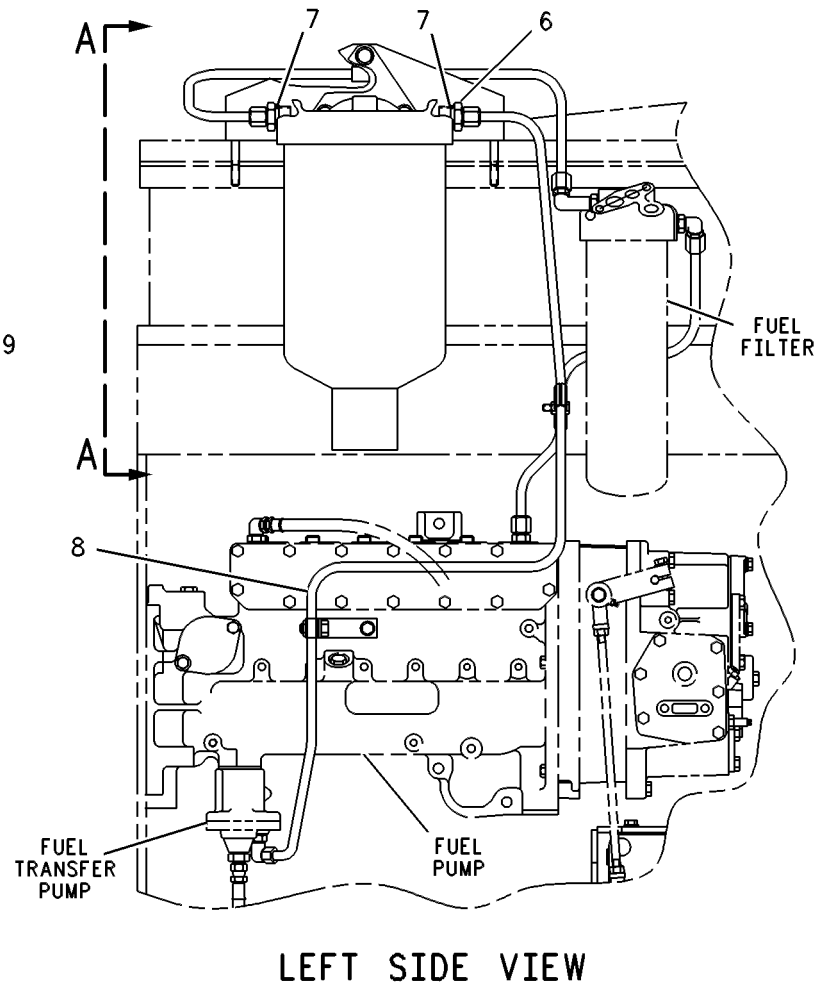
AN ATTACHMENT

SMCS-1263 **i00709397**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**116-1918**	1	BRACKET	
	2	1	**8T-8912**	2	BOLT (5/16-18X2.25IN)	
	3	1	**8T-4224**	4	WASHER-HARD (2MM THK)	
	4	1	**5P-9297**	1	CLIP (9.52MM ID)	
	5	1	**119-0075**	1	TUBE AS	
	6	1	**030-8194**	2	CONNECTOR-FLARED	
	7	1	**2M-9780**	2	SEAL-O-RING (19.18MM ID)	
	8	1	**119-0076**	1	TUBE AS	
Y	9	1	**2W-4234**	1	SEPARATOR GP-WATER	279
	10	1	**4L-9337**	3	BOLT (3/8-16X1.50IN)	
	11	1	**8T-4896**	6	WASHER-HARD (2.5MM THK)	
	12	1	**6V-8801**	3	NUT (3/8-16 THD)	

Y-SEPARATE ILLUSTRATION





GRAPHIC #1 **<END>** g00256688

FUEL SYSTEM

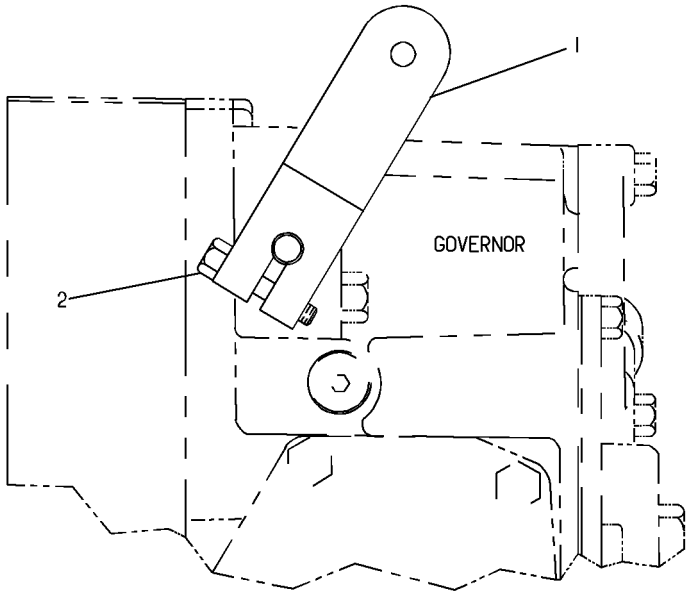
2W-9161 SHUTOFF GP-MANUAL

S/N: 1DZ3603-UP

FOR USE WITH PEEC GOVERNOR

SMCS-1265, 1704, 7418 **i00708389**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1N-9954**	1	LEVER	
	2	1	**9F-6580**	1	BOLT (1/4-20X1.125IN)	



GRAPHIC #1 **<END>** g00157527

FUEL SYSTEM

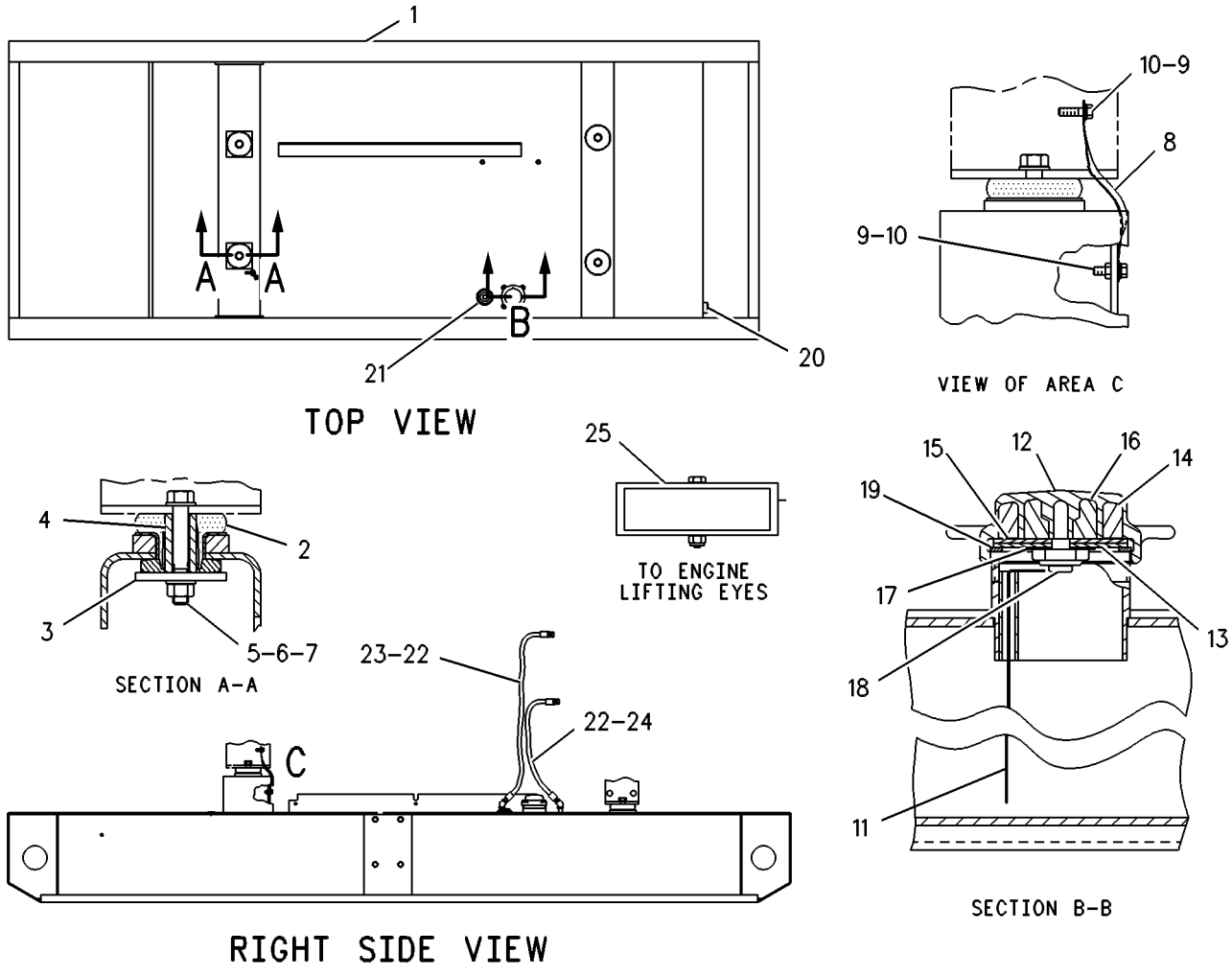
130-0033 TANK & BASE GP-FUEL

S/N: KPS1-UP
CANNOT BE USED WITH STATIONARY BASE, SKIDDABLE ENGINE BASE OR STACK-ON FUEL TANK BASE
AN ATTACHMENT

SMCS-1273 **i01974044**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**130-0032**	1	TANK & BASE AS-FUEL	
	2	1	**9W-9930**	4	MOUNT AS	
		1	**9W-6583**	1	PAD	
	3	1	**9W-6584**	4	WASHER (20.5X114X10MM THK)	
	4	1	**9W-6582**	4	SLEEVE	
	5	1	**8T-4994**	8	WASHER-HARD (20X36.5X3.5MM THK)	
	6	1	**7X-0375**	4	BOLT (3/4-10X5 IN)	
	7	1	**6V-8182**	4	NUT (3/4-10 THD)	
	8	1	**034-3665**	1	STRAP-GROUNDING	
	9	1	**8T-4896**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	10	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
	11	1	**9Y-5545**	1	PLUNGER-LEVEL GAUGE	
	12	1	**7T-2036**	1	CAP AS-FUEL TANK	
	13	1	**3F-4134**	1	BAFFLE	
	14	1	**4B-1663**	1	FILTER (FUEL CAP)	
	15	1	**4B-5423**	1	GASKET-BAFFLE	
	16	1	**4B-5949**	1	FILTER (FUEL CAP)	
	17	1	**7B-2002**	1	WASHER (10.2X44.5X3MM THK)	
	18	1	**7T-2009**	1	VALVE AS	
	19	1	**7T-2037**	1	GASKET	
	20	1	**1B-5170**	1	PLUG-PIPE	
	21	1	**7B-9665**	1	PLUG	
	22	1	**5P-8934**	2	ELBOW	
I	23	1	**9Y-6362**	1	HOSE AS	
I	24	1	**3N-7155**	1	HOSE AS	
Y	25	1	*3N-8594*	2	COVER GP-ACCESS (LIFTING EYE)	554

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00256658

FUEL SYSTEM

129-4428 TANK AS-FUEL

S/N: KPS1-UP
757 L (200 US GAL), 266.7 MM (10.5 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647024**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8650	1	GAUGE-FUEL LEVEL	
	132-8671	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

129-7735 TANK AS-FUEL

S/N: KPS1-UP
757 L (200 US GAL), 317.5 MM (12.5 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647028**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8659	1	GAUGE-FUEL LEVEL	
	132-8638	1	SWITCH-DETECTION (LEAK)	
	132-8672	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1077 TANK AS-FUEL

S/N: KPS1-UP
1137 L (300 US GAL), 406.4 MM (16 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647033**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8660	1	GAUGE-FUEL LEVEL	
	132-8680	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1080 TANK AS-FUEL

S/N: KPS1-UP
3032 L (800 US GAL), 676.1 MM (26.6 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647036**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

FUEL SYSTEM

130-1081 TANK AS-FUEL

S/N: KPS1-UP
1516 L (400 US GAL), 508 MM (20 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647039**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8662	1	GAUGE-FUEL LEVEL	
	132-8682	1	SWITCH-FUEL (LOW FUEL LEVEL)	

<END>

130-1085 TANK AS-FUEL

S/N: KPS1-UP
1895 L (500 US GAL), 609.6 MM (24 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647043**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8664	1	GAUGE-FUEL LEVEL	
	132-8684	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1086 TANK AS-FUEL

S/N: KPS1-UP
2274 L (600 US GAL), 711.2 MM (28 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647047**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8666	1	GAUGE-FUEL LEVEL	
	132-8686	1	SWITCH-FUEL (LOW FUEL LEVEL)	

<END>

130-1088 TANK AS-FUEL

S/N: KPS1-UP
3790 L (1000 GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647051**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

FUEL SYSTEM

130-1094 TANK AS-FUEL

S/N: KPS1-UP
5685 L (1500 US GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647217**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1095 TANK AS-FUEL

S/N: KPS1-UP
1137 L (300 US GAL), 457.2 MM (18 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647218**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8661	1	GAUGE-FUEL LEVEL	
	132-8640	1	SWITCH-DETECTION (LEAK)	
	132-8681	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1101 TANK AS-FUEL

S/N: KPS1-UP
3032 L (800 US GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647220**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8649	1	SWITCH-DETECTION (LEAK)	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1253 TANK AS-FUEL

S/N: KPS1-UP
2653 L (700 US GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647221**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8649	1	SWITCH-DETECTION (LEAK)	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

FUEL SYSTEM

130-1254 TANK AS-FUEL

S/N: KPS1-UP
1895 L (500 US GAL), 711.2 MM (28 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647222**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8666	1	GAUGE-FUEL LEVEL	
	132-8645	1	SWITCH-DETECTION (LEAK)	
	132-8686	1	SWITCH-FUEL (LOW FUEL LEVEL)	

<END>

130-1270 TANK AS-FUEL

S/N: KPS1-UP
2274 L (600 US GAL), 863.6 MM (34 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647223**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8669	1	GAUGE-FUEL LEVEL	
	132-8648	1	SWITCH-DETECTION (LEAK)	
	132-8689	1	SWITCH-FUEL (LOW FUEL LEVEL)	

<END>

130-1272 TANK AS-FUEL

S/N: KPS1-UP
3790 L (1000 US GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647225**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8649	1	SWITCH-DETECTION (LEAK)	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-1274 TANK AS-FUEL

S/N: KPS1-UP
5685 L (1500 US GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647233**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8649	1	SWITCH-DETECTION (LEAK)	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

FUEL SYSTEM

130-1277 TANK AS-FUEL

S/N: KPS1-UP
4927 L (1300 US GAL), 914.4 MM (36 IN) HIGH
AN ATTACHMENT

SMCS-1273 **i01647235**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8670	1	GAUGE-FUEL LEVEL	
	132-8649	1	SWITCH-DETECTION (LEAK)	
	132-8690	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

130-2270 TANK AS-FUEL

S/N: KPS1-UP
1516 L, 609.6 MM HIGH
AN ATTACHMENT

SMCS-1273 **i01647236**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	132-8664	1	GAUGE-FUEL LEVEL	
	132-8643	1	SWITCH-DETECTION (LEAK)	
	132-8684	1	SWITCH-LIQUID LEVEL (LOW FUEL)	

<END>

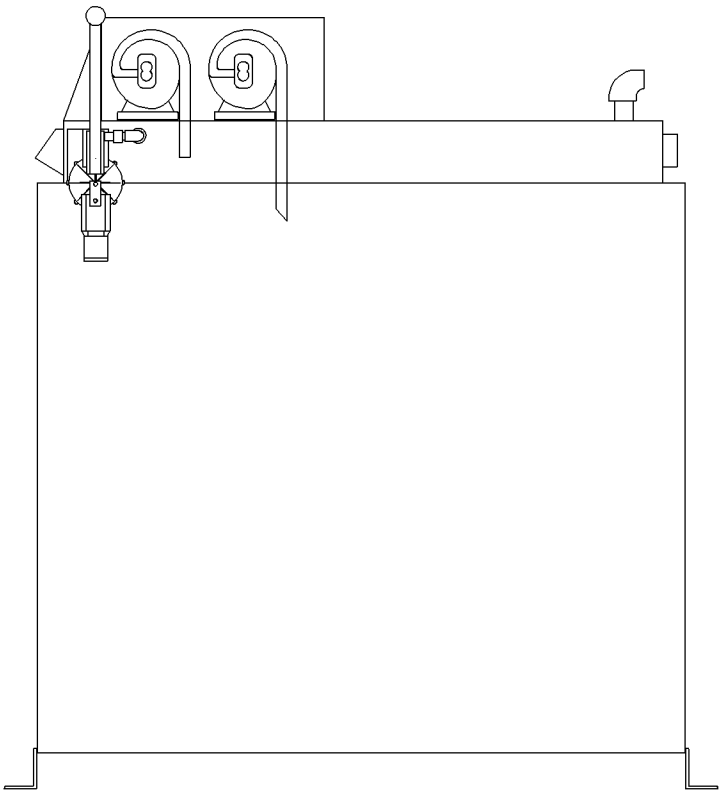
FUEL SYSTEM

161-1720 TANK AS-FUEL

S/N: KPS1-UP
570 L (150 US GAL), 1118 MM (44 IN) HEIGHT
AN ATTACHMENT

SMCS-1273 **i01438924**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00753896

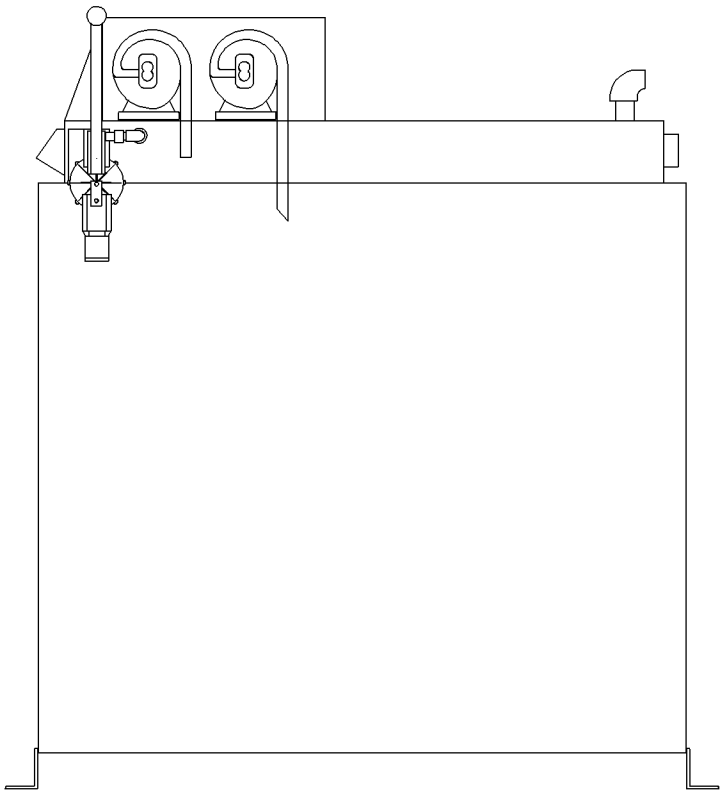
FUEL SYSTEM

161-1721 TANK AS-FUEL

S/N: KPS1-UP
1041 L (275 US GAL), 1118 MM (44 IN) HEIGHT
AN ATTACHMENT

SMCS-1273 **i01438927**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00753974

2W-6659 TORQUE CONTROL GP

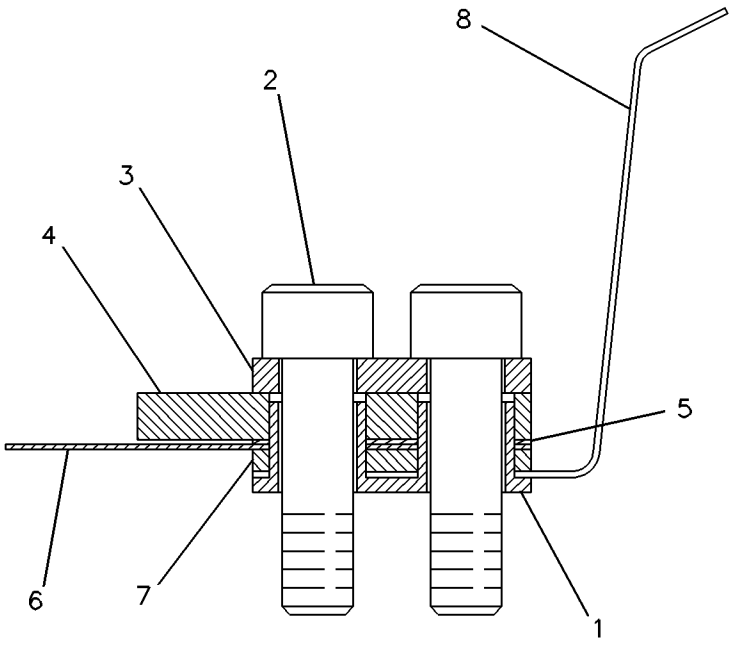
S/N: 1DZ3603-UP

PART OF 131-1955 PUMP GP-GOV & FUEL INJ

SMCS-1257 **i00160255**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-6452**	1	INSULATOR	
C	2	1	**6L-5897**	2	BOLT (1/4-20X7/8IN)	
	3	1	**8M-9062**	1	RETAINER-SPRING (3.05MM THK)	
C	4	1	**2W-7234**	1	BAR-LOAD STOP (4.0MM THK)	
	5	1	**2P-2685**	1	SPACER (.635MM THK)	
	6	1	**8N-7519**	1	SPRING-TORQUE (.635MM THK)	
	7	1	**7N-1796**	1	SPACER (1.549MM THK)	
C	8	1	**7W-8405**	1	CONTACT	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00108412

2W-6660 TORQUE CONTROL GP

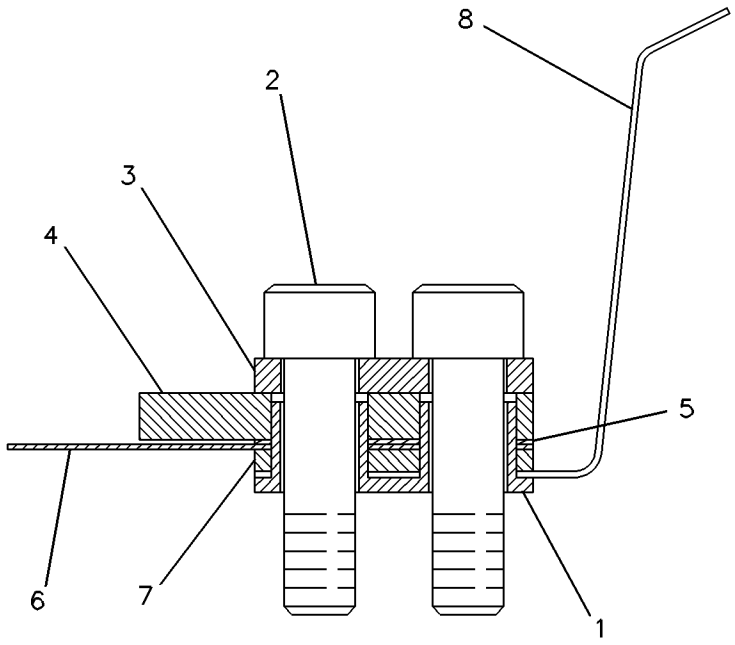
S/N: 1DZ3603-UP

PART OF 2W-8543, 2W-9103, 4P-0667 PUMP GP-GOV & FUEL INJ

SMCS-1257 **i01646524**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-6452**	1	INSULATOR	
C	2	1	**6L-5897**	2	BOLT (1/4-20X7/8 IN)	
	3	1	**8M-9062**	1	RETAINER-SPRING (3.05MM THK)	
C	4	1	**2W-7234**	1	BAR-LOAD STOP (4.0MM THK)	
	5	1	**2P-2685**	1	SPACER (.635MM THK)	
	6	1	**8N-7520**	1	SPRING-TORQUE (.559MM THK)	
	7	1	**7N-1796**	1	SPACER (1.549MM THK)	
C	8	1	**7W-8405**	1	CONTACT	

C-CHANGE FROM PREVIOUS TYPE



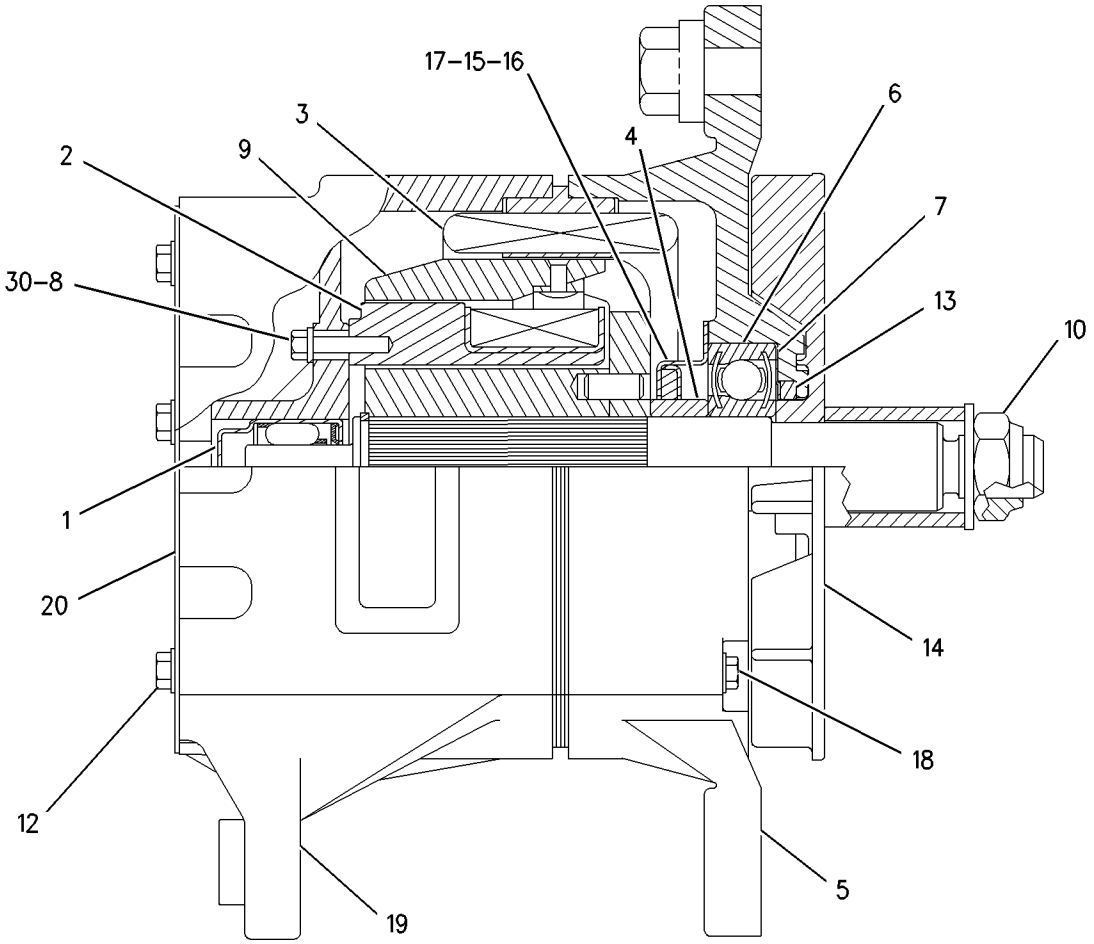
GRAPHIC #1 **<END>** g00108412

5N-5692 ALTERNATOR GP-CHARGING

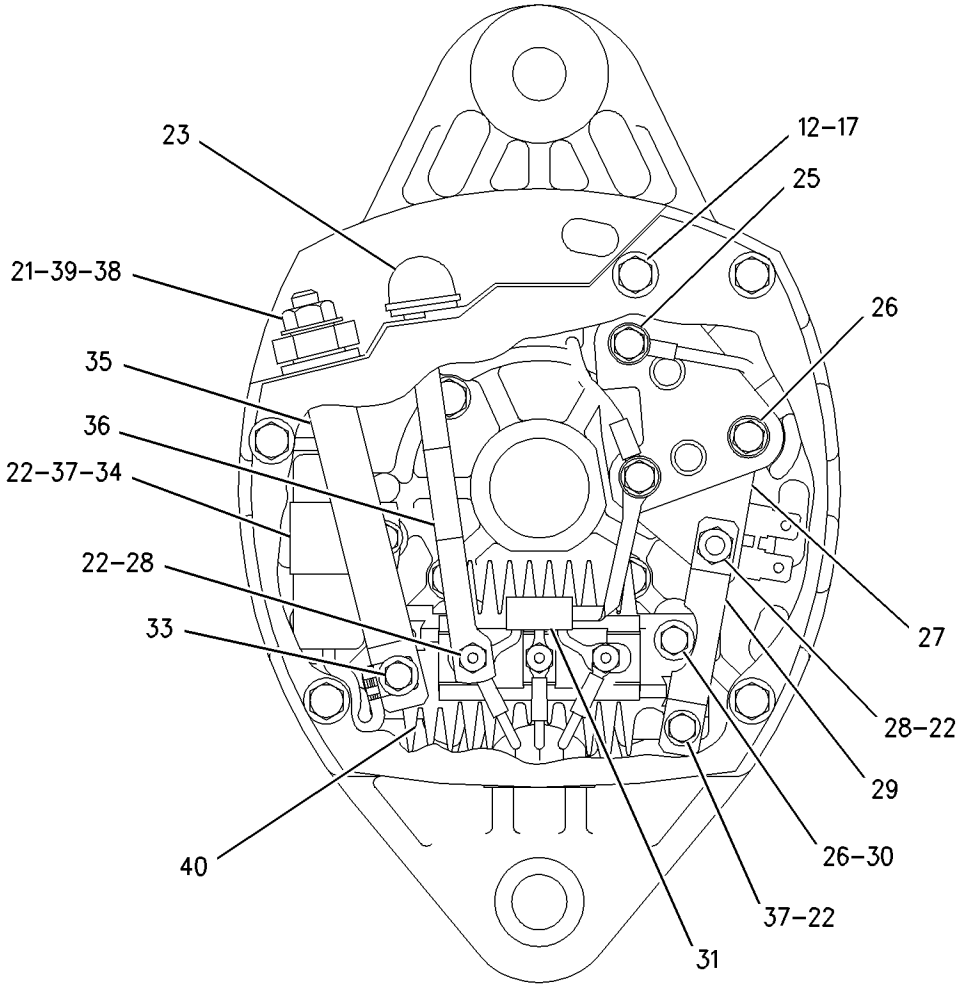
S/N: KPS1-UP
24 VOLT, 45 AMPERE
AN ATTACHMENT

SMCS-1405 **i01912900**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-6920**	1	BEARING-ROLLER	
	2	1	**7N-7806**	1	COIL AS-FIELD	
	3	1	**9G-5578**	1	STATOR AS	
	4	1	**7N-7795**	1	COLLAR	
	5	1	**7N-7810**	1	FRAME AS-DRIVE END	
	6	1	**6V-2202**	1	BALL BEARING	
	7	1	**9L-2140**	1	PLATE	
	8	1	**7X-3353**	4	SCREW-HEX HEAD (10 X 24 X 19.05MM)	
	9	1	**7N-7800**	1	ROTOR AS	
	10	1	**187-2034**	1	NUT-FLANGE (5/8-18 THD)	
	12	1,2	**030-9612**	5	SCREW-FORMING (10-24X.5 IN)	
	13	1	**9L-2139**	1	WASHER-FELT (1.31X1.68X0.125MM THK)	
	14	1	**3E-5454**	1	FAN-ALTERNATOR	
	15	1	**9S-2437**	3	SCREW-TAPPING (10-24X19.05MM)	
	16	1	**9L-2137**	1	RETAINER AS	
	17	1,2	**8F-1434**	4	LOCKWASHER	
	18	1	**7N-9024**	4	BOLT (M10X24X63.5MM)	
	19	1	**7N-7805**	1	HOUSING	
	20	1	**7N-7809**	1	PLATE	
	21	2	**8T-4205**	1	WASHER-HARD (7.2X14.5X2MM THK)	
	22	2	**9B-7233**	6	LOCKWASHER	
	23	2	**9L-6770**	1	CAP (ALTERNATOR RELAY TERMINAL)	
	25	2	**6N-1872**	2	SCREW AS (8-32 X 1.25 IN)	
	26	2	**7N-9023**	2	SCREW AS (8-32 X 26.9MM)	
	27	2	**3T-6354**	1	REGULATOR AS (24 VOLT) (ALTERNATOR VOLTAGE)	
	28	2	**6V-8377**	4	NUT (8-32 THD)	
	29	2	**7N-7811**	1	CONNECTOR	
	30	1,2	**8T-0328**	4	WASHER-HARD (5.5X10X1MM THK)	
	31	2	**9N-1202**	1	DIODE AS	
	33	2	**7N-9021**	1	SCREW AS (8-32X1.34 IN)	
		2	**7N-7796**	1	BUSHING-TERMINAL	
	34	2	**7N-7802**	1	CAPACITOR AS	
	35	2	**7N-7798**	1	CONNECTOR	
	36	2	**7N-7801**	1	CONNECTOR	
	37	2	**9S-2544**	2	SCREW-HEX HEAD (8-32X11.13MM)	
	38	2	**1H-3244**	1	LOCKWASHER	
	39	2	**6V-8187**	1	NUT (1/4-28 THD)	
	40	2	**206-4202**	1	RECTIFIER AS (ALTERNATOR)	
					AVAILABLE REPAIR KIT(S):	
			7N-7807	1	KIT-OUTPUT TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATOR, SCREWS, WASHERS, LOCKWASHERS, NUTS & ADAPTERS)	
			7N-7808	1	KIT-RELAY TERMINAL (ALTERNATOR)	
					(INCLUDES STUDS, BUSHINGS, WASHERS & NUT AS)	



GRAPHIC #1 g00797422



GRAPHIC #2 **<END>** g00811550

ELECTRICAL AND STARTING SYSTEM

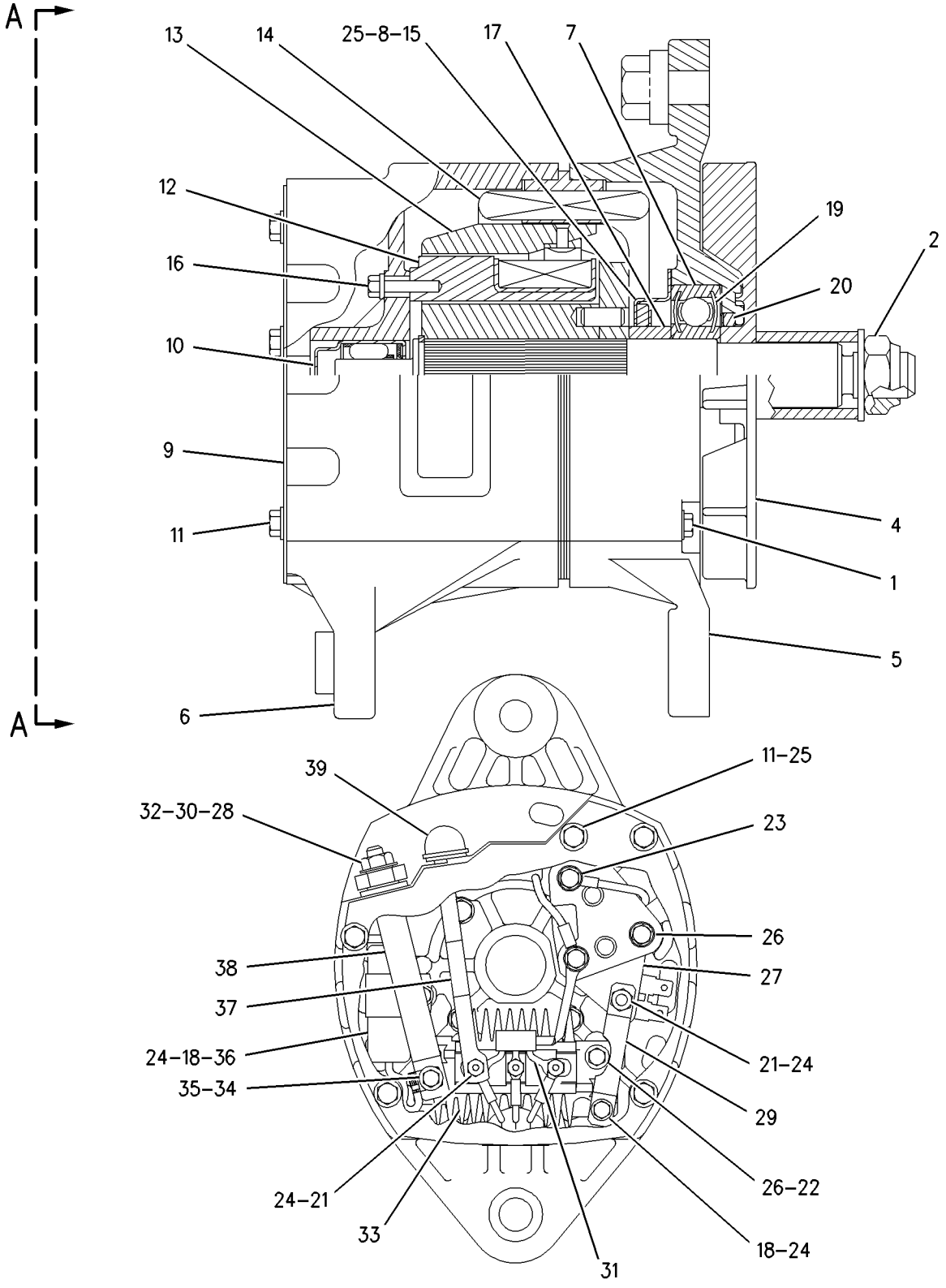
6N-9294 ALTERNATOR GP-CHARGING*R

S/N: KPS1-UP
24 VOLT, 35 AMPERE
AN ATTACHMENT

SMCS-1405 **i01963380**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-9024**	4	BOLT (M10X24X63.5MM)	
	2	1	**187-2034**	1	NUT-FLANGE (5/8-18 THD)	
	4	1	**3E-5454**	1	FAN-ALTERNATOR	
	5	1	**7N-7810**	1	FRAME AS-DRIVE END	
	6	1	**7N-7805**	1	HOUSING	
	7	1	**6V-2202**	1	BALL BEARING	
	8	1	**9S-2437**	3	SCREW-TAPPING (10-24X19.05MM)	
	9	1	**7N-7809**	1	PLATE	
	10	1	**5P-6920**	1	BEARING-ROLLER	
	11	1	**030-9612**	5	SCREW-FORMING (10-24X.5 IN)	
	12	1	**7N-7806**	1	COIL AS-FIELD	
	13	1	**7N-7800**	1	ROTOR AS	
	14	1	**7N-7804**	1	STATOR AS	
	15	1	**9L-2137**	1	RETAINER AS	
	16	1	**7X-3353**	4	SCREW-HEX HEAD (10 X 24 X 19.05MM)	
	17	1	**7N-7795**	1	COLLAR	
	18	1	**9S-2544**	2	SCREW-HEX HEAD (8-32X11.13MM)	
	19	1	**9L-2140**	1	PLATE	
	20	1	**9L-2139**	1	WASHER-FELT (1.31X1.68X0.125MM THK)	
	21	1	**6V-8377**	4	NUT (8-32 THD)	
	22	1	**8T-0328**	6	WASHER-HARD (5.5X10X1MM THK)	
	23	1	**6N-1872**	2	SCREW AS (8-32 X 1.25 IN)	
	24	1	**9B-7233**	6	LOCKWASHER	
	25	1	**8F-1434**	4	LOCKWASHER	
	26	1	**7N-9023**	2	SCREW AS (8-32 X 26.9MM)	
	27	1	**3T-6354**	1	REGULATOR AS (24 VOLT) (ALTERNATOR VOLTAGE)	
	28	1	**1H-3244**	1	LOCKWASHER	
	29	1	**7N-7811**	1	CONNECTOR	
	30	1	**6V-8187**	1	NUT (1/4-28 THD)	
	31	1	**112-9119**	1	DIODE AS-ALTERNATOR	
	32	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2MM THK)	
	33	1	**206-4202**	1	RECTIFIER AS	
	34	1	**7N-9021**	1	SCREW AS (8-32X1.34 IN)	
	35	1	**7N-7796**	1	BUSHING-TERMINAL	
	36	1	**7N-7802**	1	CAPACITOR AS	
	37	1	**7N-7801**	1	CONNECTOR	
	38	1	**7N-7798**	1	CONNECTOR	
	39	1	**9L-6770**	1	CAP (CONNECTOR)	
					AVAILABLE REPAIR KIT(S):	
			7N-7807	1	KIT-OUTPUT TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATOR, SCREW, WASHERS, LOCKWASHER, NUT & ADAPTER)	
			7N-7808	1	KIT-RELAY TERMINAL (ALTERNATOR)	
					(INCLUDES STUD, BUSHINGS, WASHERS & NUT AS)	

6N-9294 **ALTERNATOR GP-CHARGING** ***(contd.)*** **i01963380**



VIEW A-A

GRAPHIC #1 **<END>** g00810638

ELECTRICAL AND STARTING SYSTEM

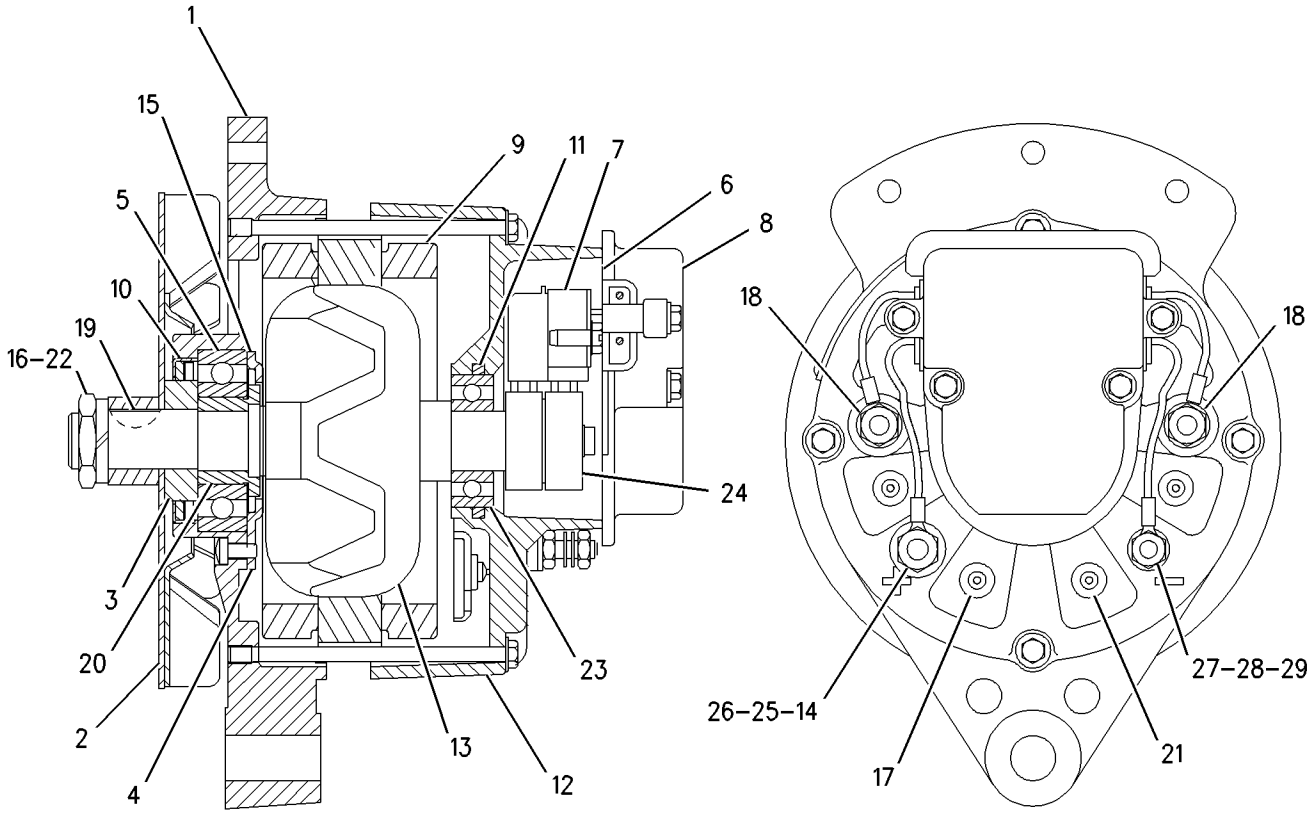
6T-1395 ALTERNATOR GP-CHARGING*R

S/N: KPS1-UP
24 VOLT, 35 AMPERE
AN ATTACHMENT

SMCS-1405 **i01963385**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-9655**	1	HOUSING-FRONT	
	2	1	**8L-9661**	1	FAN (ALTERNATOR 14 BLADE)	
	3	1	**1N-9087**	1	SPACER	
	4	1	**8L-9657**	1	RETAINER-FRONT BEARING	
	5	1	**1S-7056**	1	BALL BEARING	
	6	1	**8L-9362**	1	GASKET-COVER	
	7	1	**6T-2031**	1	BRUSH AS (ALTERNATOR)	
	8	1	**134-8278**	1	REGULATOR GP-VOLTAGE (24 VOLT)(ALTERNATOR)	
	9	1	**143-9760**	1	STATOR AS	
	10	1	**8L-9663**	1	SEAL-GREASE	
	11	1	**9G-5208**	1	RETAINER-REAR BEARING	
	12	1	**6T-9446**	1	HOUSING-REAR	
	13	1	**3N-1202**	1	ROTOR AS	
		1	**5P-6836**	1	BEARING (DOUBLE SHIELD)	
		1	**3K-6168**	1	BOLT-SOCKET HEAD (10-32X.625 IN)	
		1	**7H-2079**	1	LOCKWASHER	
		1	**3N-1223**	1	WASHER (.196X.312X.067 IN THK)	
	14	1	**6V-8185**	1	NUT (1/4-20 THD)	
	15	1	**8L-9656**	1	WASHER-BEARING SEAL	
	16	1	**6V-8645**	1	NUT (5/8-18 THD)	
	17	1	**7T-0676**	1	DIODE AS-POSITIVE (3 DIODE)	
	18	1	**7T-0895**	2	CAP (ALTERNATOR)	
	19	1	**1B-8704**	1	KEY-WOODRUFF	
	20	1	**8L-9654**	1	SLEEVE-SHAFT	
	21	1	**7T-0677**	1	DIODE AS-NEGATIVE (3 DIODE)	
	22	1	**3B-4510**	1	LOCKWASHER	
	23	1	**5P-6836**	1	BEARING (DOUBLE SHIELD)	
	24	1	**3N-1200**	1	RING AS-SLIP	
	25	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2MM THK)	
	26	1	**1H-3244**	1	LOCKWASHER	
	27	1	**4B-2047**	1	NUT (10-24 THD)	
	28	1	**8T-0328**	1	WASHER-HARD (5.5X10X1MM THK)	
	29	1	**8F-1434**	1	LOCKWASHER	
					AVAILABLE REPAIR KIT(S):	
			140-3005	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATORS, NUTS, LOCKWASHERS, SCREWS & WASHERS)	
			140-3004	1	KIT-HARDWARE (ALTERNATOR)	
					(INCLUDES BOLTS, LOCKWASHERS, NUTS, SCREWS, STRAPS & WASHERS)	

6T-1395 **ALTERNATOR GP-CHARGING** ***(contd.)*** **i01963385**



GRAPHIC #1 **<END>** g00862986

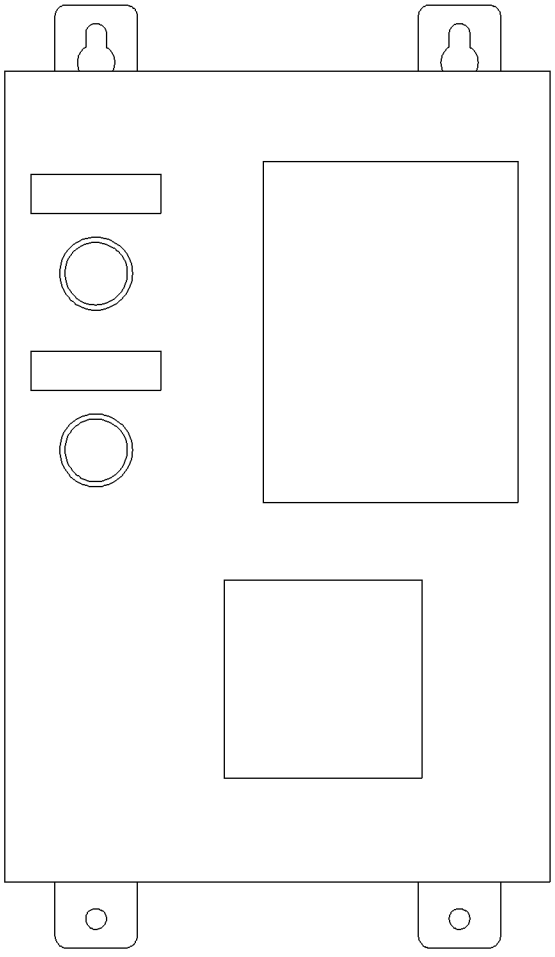
ELECTRICAL AND STARTING SYSTEM

7C-9141 BATTERY CHARGER

S/N: KPS1-UP
24 VOLT DC SINGLE RATE - 120 VOLT AC/50 OR 60 HERTZ SUPPLY
AN ATTACHMENT

SMCS-1401, 1406 **i01424032**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00746529

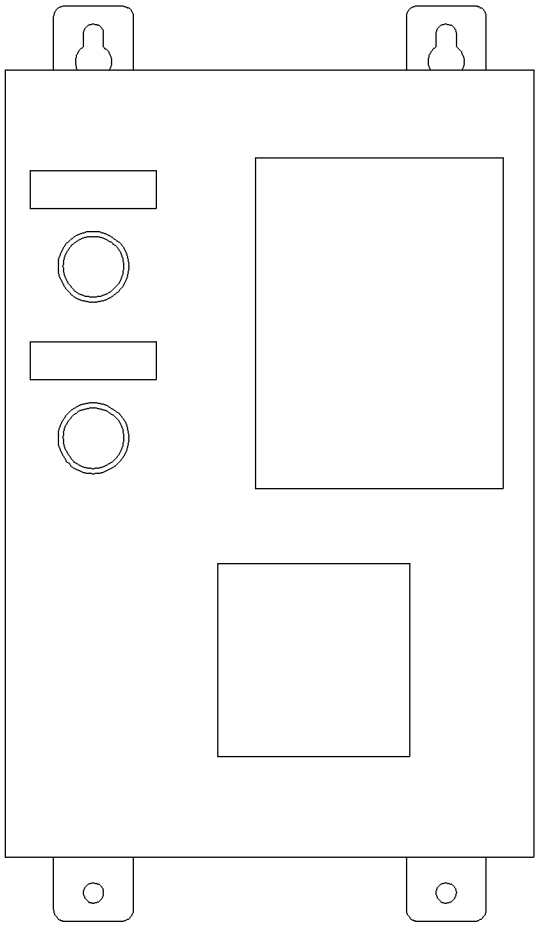
ELECTRICAL AND STARTING SYSTEM

111-6138 BATTERY CHARGER

S/N: KPS1-UP
24 VOLT DC, 10 AMPERE
AN ATTACHMENT

SMCS-1401, 1406 **i01837324**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



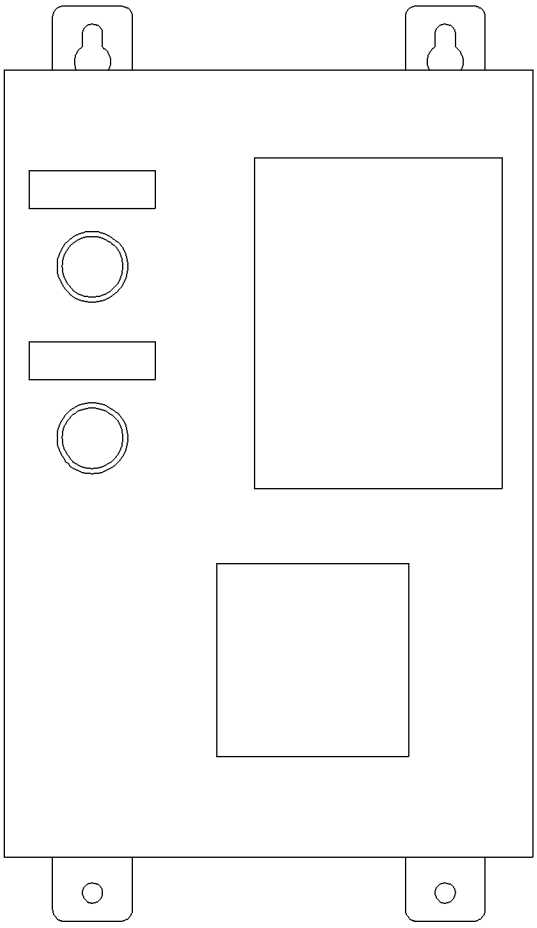
GRAPHIC #1 **<END>** g00746527

114-6486 BATTERY CHARGER

S/N: KPS1-UP
24 VOLT DC, 10 AMPERE
AN ATTACHMENT

SMCS-1401, 1406 **i01593384**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1

<END>

g00746527

119-5780 BATTERY CHARGER

S/N: KPS1-UP
24 VOLT DC, 10 AMPERE, 50 HERTZ
FOR USE WITH LOW MAINTENANCE BATTERIES. CANNOT BE USED WITH MAINTENANCE FREE BATTERIES
AN ATTACHMENT

SMCS-1401, 1406 **i00709479**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	

<END>

119-8978 BATTERY CHARGER

S/N: KPS1-UP
24 VOLT DC, 10 AMPERE, 50 HERTZ
FOR USE WITH 111-6139—PAGE 367, LOW MAINTENANCE BATTERIES. CANNOT BE USED WITH MAINTENANCE FREE BATTERIES
AN ATTACHMENT

SMCS-1401, 1406 **i00709486**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	

<END>

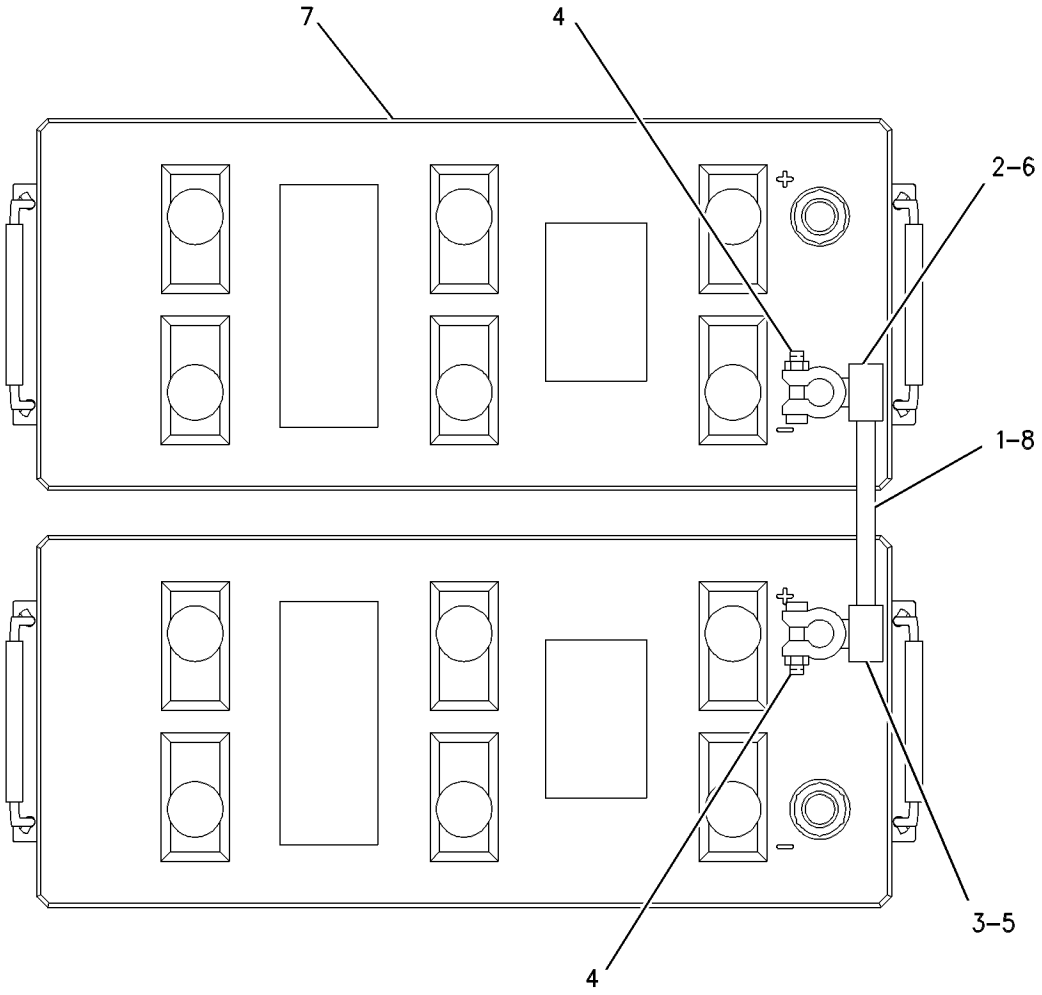
7L-7871 BATTERY GP

S/N: KPS1-UP
24 VOLT, 172 AMPERE, 950 COLD CRANK AMPERE, 150 AMPERE HOUR
AN ATTACHMENT

SMCS-1401 **i01959352**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2V-7397**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00GA)(BLACK) (20CM)	
	2	1	**8T-9757**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	3	1	**8C-5917**	1	TERMINAL AS-BATTERY (POSITIVE)	
					(EACH TERMINAL AS INCLUDES)	
	4	1	**1M-6119**	1	BOLT (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT (5/16-18 THD)	
	5	1	**9G-0004**	2	COVER-TERMINAL (RED)	
	6	1	**9G-0003**	2	COVER-TERMINAL (BLACK)	
C	7	1	**9X-9720**	2	BATTERY GP (12 VOLT)	
					(EACH INCLUDES)	
		1	**7N-0060**	6	VENT AS (BATTERY)	
	8	1	**8L-8413**	2	STRAP-CABLE	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00621897

7L-7872 BATTERY GP

S/N: KPS1-UP

24 VOLT, 220 AMPERE, 1250 COLD CRANKING AMPERE, 210 AMPERE HOUR

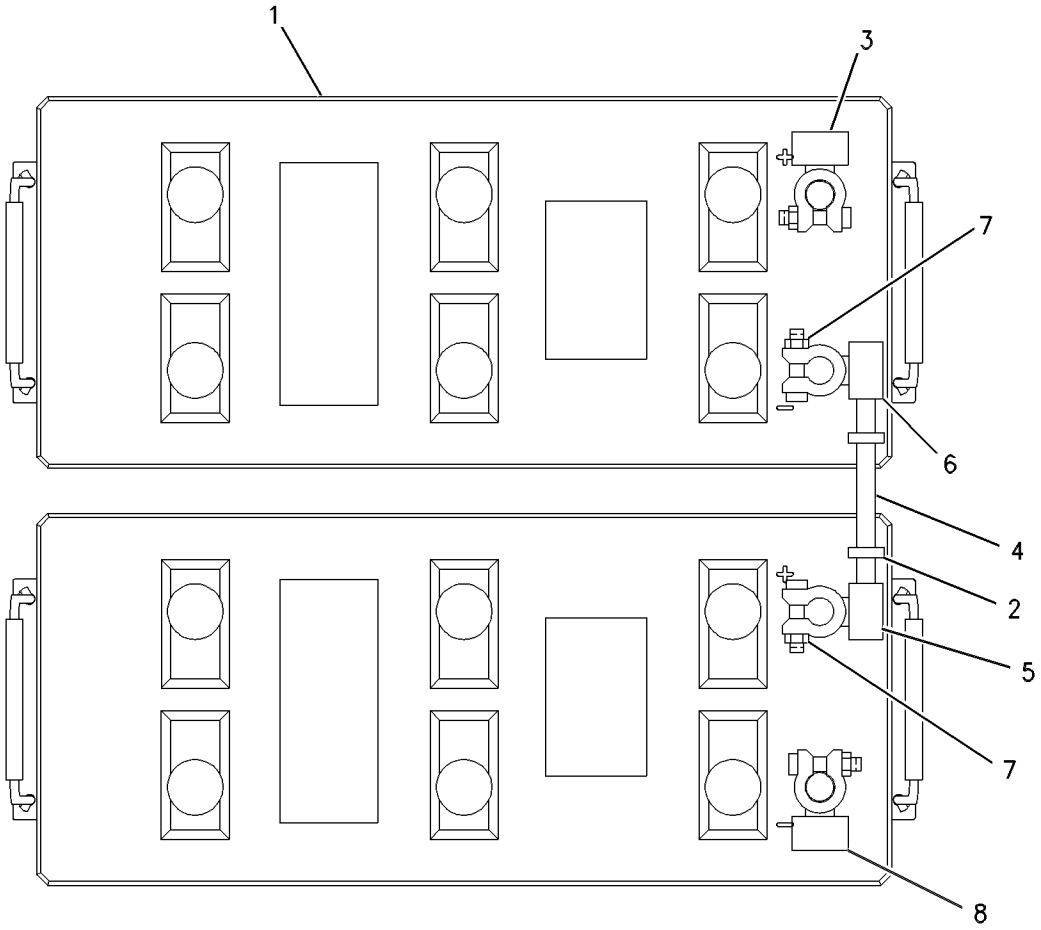
FOR USE WITH BATTERY SUPPORT AND DISCONNECT SWITCH

AN ATTACHMENT

SMCS-1401 **i01959353**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**9X-9730**	2	BATTERY (12 VOLT)	
					(EACH INCLUDES)	
		1	**7N-0060**	6	VENT AS (BATTERY)	
C	2	1	**8L-8413**	2	STRAP-CABLE	
C	3	1	**9G-0004**	1	COVER-TERMINAL (RED)	
C	4	1	**2V-7397**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00GA)(BLACK) (20CM)	
		1	**1M-6120**	1	NUT (5/16-18 THD)	
	5	1	**8C-5917**	1	TERMINAL AS-BATTERY (POSITIVE)	
	6	1	**8T-9757**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	7	1	**1M-6119**	1	BOLT (5/16-18X1.375 IN)	
C	8	1	**9G-0003**	1	COVER-TERMINAL (BLACK)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00622754

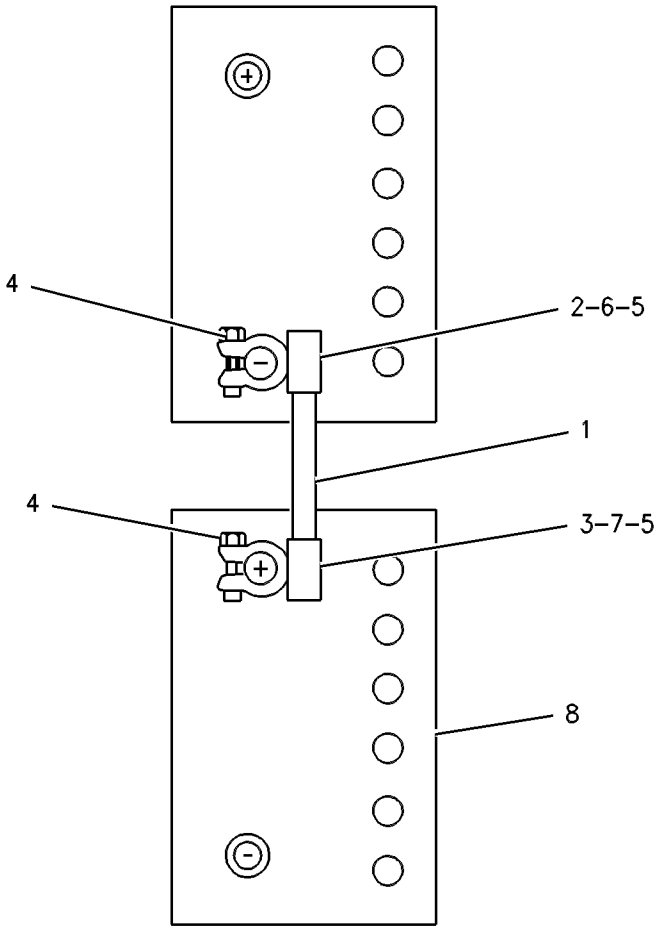
160-5447 BATTERY GP

S/N: KPS1-UP
24 VOLT, 90 AMPERE. LOW MAINTENANCE
AN ATTACHMENT

SMCS-1401 **i01913326**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2V-7397**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00GA)(BLACK) (20CM)	
	2	1	**8T-9757**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	3	1	**8C-5917**	1	TERMINAL AS-BATTERY (POSITIVE)	
					(EACH TERMINAL AS INCLUDES)	
	4	1	**1M-6119**	1	BOLT (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT (5/16-18 THD)	
	5	1	**8L-8413**	4	STRAP-CABLE	
	6	1	**9G-0003**	2	COVER-TERMINAL (BLACK)	
	7	1	**9G-0004**	2	COVER-TERMINAL (RED)	
	8	1	**115-2421**	2	BATTERY (MAINTENANCE FREE) (12 VOLT)	
					(EACH INCLUDES)	
		1	**123-1373**	6	PLUG AS (BATTERY)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00436618

130-2572 BOX GP-EXTENSION TERMINAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 222-5182, 222-5183, 222-5184, 222-5185, 222-5186 BOX GP-EXTENSION TERMINAL
AN ATTACHMENT

SMCS-4460 **i01564391**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	104-3045	8	BOLT-FLANGE HEAD	
	208-1705	1	BOX-EXTENSION	
	129-6814	1	COVER-BOTTOM	

<END>

222-5182 BOX GP-EXTENSION TERMINAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
RIGHT HAND MOUNT
AN ATTACHMENT

SMCS-4460 **i01725111**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-2572*	1	BOX GP-EXTENSION TERMINAL	307
Y	**130-2568**	1	COVER AS-EXTENSION BOX	364
Y	**130-2569**	1	FASTENER GP-EXTENSION BOX	370

Y-SEPARATE ILLUSTRATION

<END>

222-5183 BOX GP-EXTENSION TERMINAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
LEFT HAND MOUNT
AN ATTACHMENT

SMCS-4460 **i01725174**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-2572*	1	BOX GP-EXTENSION TERMINAL	307
Y	**130-2568**	1	COVER AS-EXTENSION BOX	364
Y	*130-2569*	1	FASTENER GP-EXTENSION BOX	370

Y-SEPARATE ILLUSTRATION

<END>

222-5184 BOX GP-EXTENSION TERMINAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
RIGHT HAND MOUNT BREAKER BOX
AN ATTACHMENT

SMCS-4460 **i01765769**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-2572*	1	BOX GP-EXTENSION TERMINAL	307
Y	*129-5841*	1	COVER GP-GENERATOR	535
Y	*130-2569*	1	FASTENER GP-EXTENSION BOX	370

Y-SEPARATE ILLUSTRATION

<END>

222-5185 BOX GP-EXTENSION TERMINAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
LEFT HAND MOUNT BREAKER BOX
AN ATTACHMENT

SMCS-4460 **i01765793**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-2572*	1	BOX GP-EXTENSION TERMINAL	307
Y	*129-5841*	1	COVER GP-GENERATOR	535
Y	*130-2569*	1	FASTENER GP-EXTENSION BOX	370

Y-SEPARATE ILLUSTRATION

<END>

222-5186 BOX GP-EXTENSION TERMINAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
DUAL MOUNT BREAKER BOX
AN ATTACHMENT

SMCS-4460 **i01765833**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-2572*	1	BOX GP-EXTENSION TERMINAL	307
Y	*129-5841*	1	COVER GP-GENERATOR	535
Y	*130-2569*	1	FASTENER GP-EXTENSION BOX	370

Y-SEPARATE ILLUSTRATION

<END>

4W-9601 BOX GP-JUNCTION

S/N: KPS1-UP
ENERGIZED TO SHUT OFF ENGINE PROTECTION SYSTEM
PART OF 7W-8001 BOX GP-JUNCTION
FOR USE WITH ELECTRIC SWITCHGEAR
AN ATTACHMENT

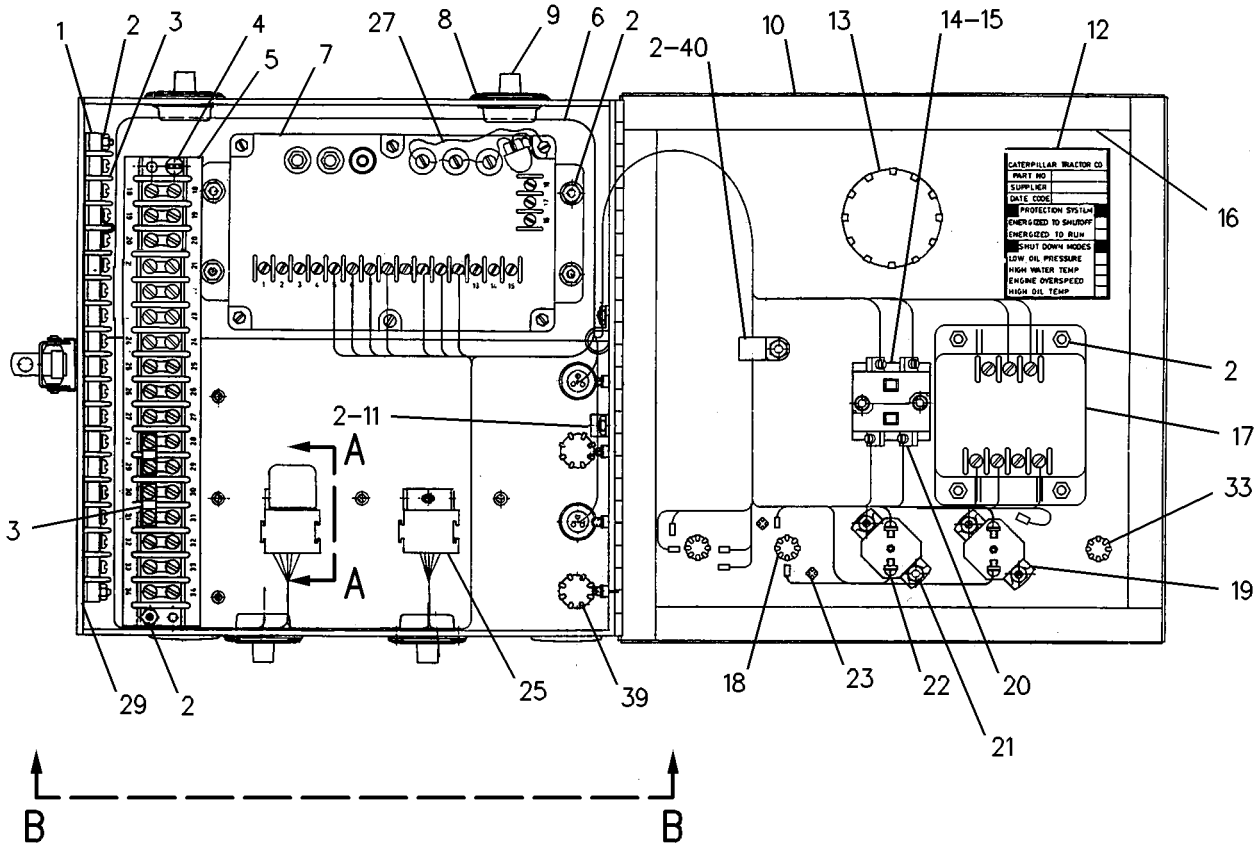
SMCS-7426 **i01907986**

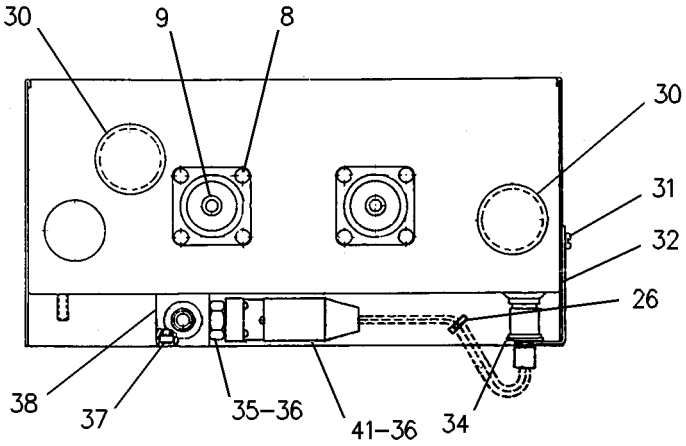
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-8602**	2	STRIP-TERMINAL	
C	2	1	**211-0130**	16	NUT	
C	3	1	**5N-5159**	5	JUMPER-STRIP	
	4	1	**2N-3480**	1	SCREW-MACHINE (10-24X0.75 IN)	
	5	1	**2W-8684**	1	STRIP-MARKER	
	6	1	**6I-1862**	1	HARNESS AS (JUNCTION BOX)	
C	7	1	**4W-9733**	1	CONTROL AS-GOVERNOR (ELECTRONIC SPEED)	
		1	**1P-7326**	6	WASHER (4.32X4.52X1.52MM THK)	
	8	1	**2N-2258**	16	RIVET-POP	
	9	1	**2W-8603**	4	MOUNT-SHOCK	
	10	1	**4W-3925**	1	BOX AS-JUNCTION	
		1	**6V-7192**	7	NUT-INSERT	
	11	1	**2W-0394**	1	CLAMP	
	12	1	**4W-7957**	1	PLATE GP-IDENTIFICATION (JUNCTION BOX)	
	13	1	**1L-6561**	1	PLUG	
	14	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (OPERATOR) (SECONDARY STOP)	
	15	1	**111-1325**	1	BLOCK-CONTACT (2 POLE)	
	16	1	**2W-8802**	4	STRIP-SEAL	
	17	1	**4W-8471**	1	RELAY-TIME DELAY	
	18	1	**3L-4566**	1	PLUG-BUTTON	
	19	1	**6T-3644**	1	CIRCUIT BREAKER GP (20 AMP) (FUEL SHUTOFF SOLENOID)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25 IN)	
		1	**9B-7233**	2	LOCKWASHER	
	20	1	**111-1323**	1	BLOCK-CONTACT (1 POLE)	
	21	1	**7S-4338**	4	SCREW-MACHINE (8-32X.75IN)	
	22	1	**6T-3642**	1	CIRCUIT BREAKER AS (10 AMP) (LOGIC CIRCUIT)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25 IN)	
		1	**9B-7233**	2	LOCKWASHER	
	23	1	**6K-9591**	2	PLUG-BUTTON	
	24	1	**8M-5312**	2	SPACER	
	25	1	**7T-6365**	2	HOUSING-RECEPTACLE	
C	26	1	**1S-9593**	1	STRAP-CABLE	
BD	27	1	**5P-6025**		LOCKWIRE	
		1	**8S-8158**	1	SEAL-WIRE	
	28	1	**3E-6477**	1	RELAY AS (24 VOLT) (FUEL SHUT-OFF)	
	29	1	**2W-8803**	1	STRIP-MARKER	
	30	1	**4F-8711**	2	PLUG	
	31	1	**2N-3479**	4	SCREW (10-24X0.5 IN)	
	32	1	**4W-3969**	2	BRACKET-RETAINER	
	33	1	**8M-3839**	2	BUTTON-PLUG	
C	34	1	**6V-2673**	1	CAP-PROTECTION	
C	35	1	**9S-4684**	4	PLUG	
	36	1	**3J-1907**	5	SEAL-O-RING	
	37	1	**7L-0688**	3	BOLT-SOCKET HEAD (10-24X1.2 IN)	
	38	1	**5N-9222**	1	MANIFOLD-PRESSURE	
C	39	1	**4H-3001**	2	PLUG-BUTTON	
C	40	1	**7W-6788**	2	CLAMP	
C	41	1	**6T-1546**	1	SWITCH AS-PRESSURE (ENGINE OIL)	
		1	**7N-7781**	1	HOUSING-RECEPTACLE	
		1	**7N-7779**	1	SOCKET-CONNECTOR	
		1	**7N-7780**	2	PIN-CONNECTOR	

4W-9601 BOX GP-JUNCTION ***(contd.)*** **i01907986**

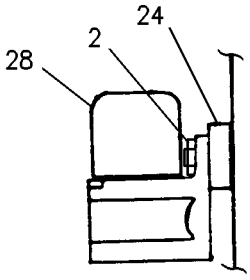
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER

4W-9601 BOX GP-JUNCTION *(contd.)* i01907986





VIEW B-B



VIEW A-A

GRAPHIC #1 **<END>** g00231185

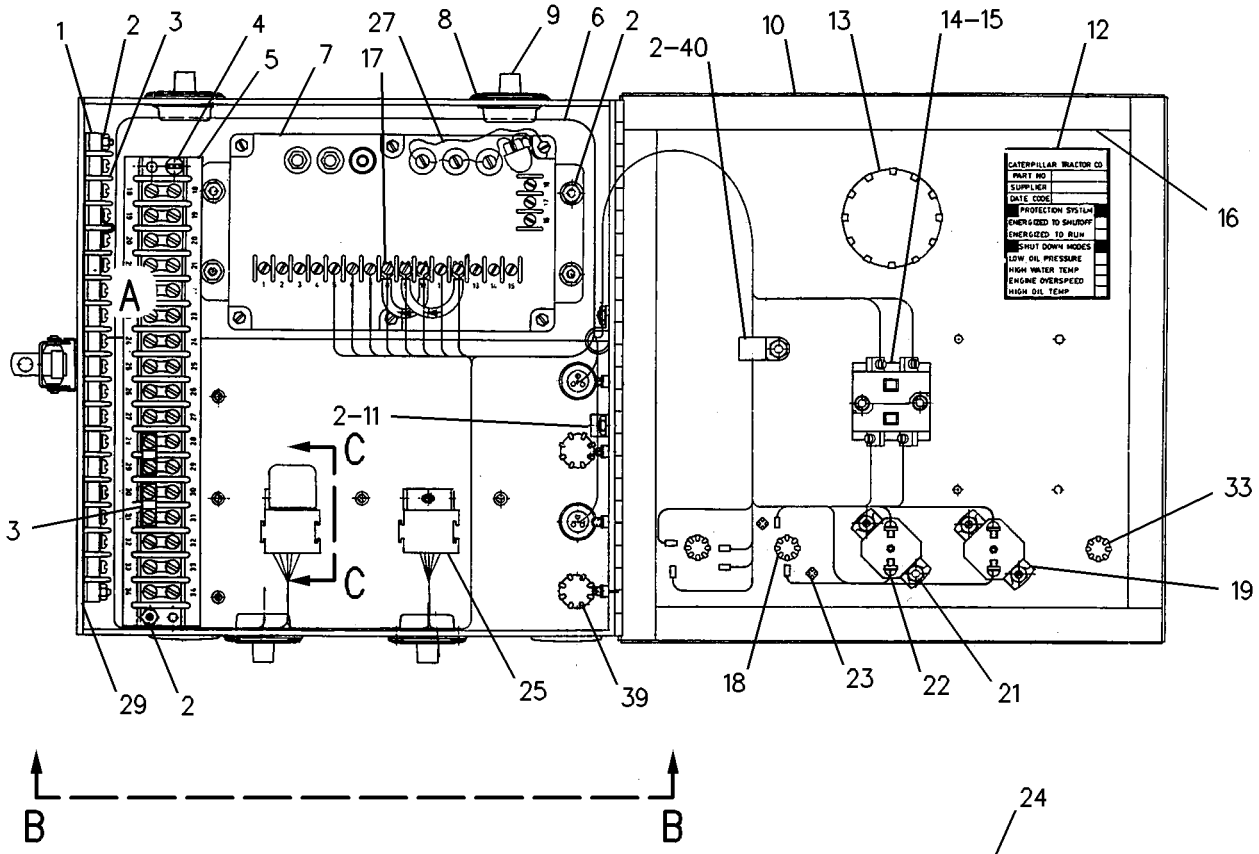
4W-9602 BOX GP-JUNCTION

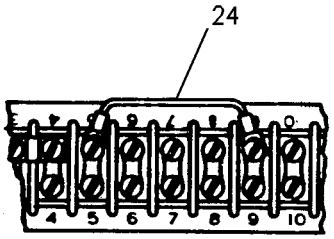
S/N: KPS1-UP
FOR USE WITH ELECTRICAL SWITCHGEAR
AN ATTACHMENT

SMCS-7426 **i01907988**

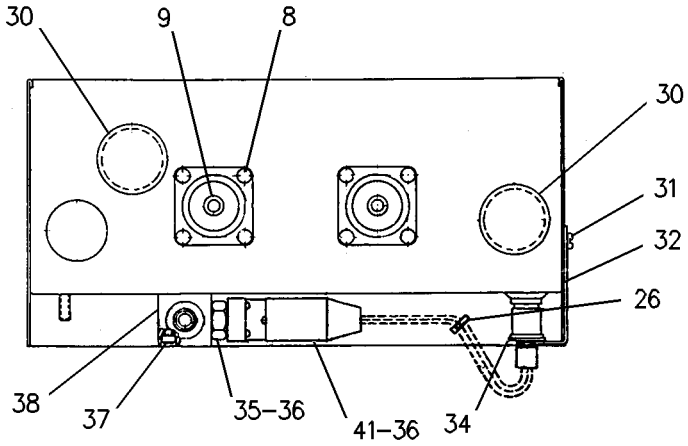
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-8602**	2	STRIP-TERMINAL	
C	2	1	**4B-2047**	12	NUT (10-24 THD)	
C	3	1	**5N-5159**	3	JUMPER-STRIP	
	4	1	**2N-3480**	1	SCREW-MACHINE (10-24X0.75 IN)	
	5	1	**2W-8684**	1	STRIP-MARKER	
	6	1	**6I-1842**	1	HARNESS AS (JUNCTION BOX)	
C	7	1	**4W-9733**	1	CONTROL AS-GOVERNOR (ELECTRONIC SPEED)	
		1	**1P-7326**	6	WASHER (4.32X4.52X1.52MM THK)	
	8	1	**2N-2258**	16	RIVET-POP	
	9	1	**2W-8603**	4	MOUNT-SHOCK	
	10	1	**4W-3925**	1	BOX AS-JUNCTION	
		1	**6V-7192**	7	NUT-INSERT	
	11	1	**2W-0394**	1	CLAMP	
	12	1	**4W-7957**	1	PLATE GP-IDENTIFICATION (JUNCTION BOX)	
	13	1	**1L-6561**	1	PLUG	
	14	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (OPERATOR) (SECONDARY STOP)	
	15	1	**111-1325**	2	BLOCK-CONTACT (2 POLE)	
	16	1	**2W-8802**	4	STRIP-SEAL	
	17	1	**5N-4988**	2	DIODE AS	
	18	1	**3L-4566**	1	PLUG-BUTTON	
	19	1	**6T-3644**	1	CIRCUIT BREAKER GP (20 AMP) (FUEL SHUTOFF SOLENOID)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25 IN)	
		1	**9B-7233**	2	LOCKWASHER	
	20	1	**8M-5312**	2	SPACER	
	21	1	**7S-4338**	4	SCREW-MACHINE (8-32X.75IN)	
	22	1	**6T-3642**	1	CIRCUIT BREAKER AS (10 AMP) (LOGIC CIRCUIT)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25 IN)	
		1	**9B-7233**	2	LOCKWASHER	
	23	1	**6K-9591**	2	PLUG-BUTTON	
	24	1	**2W-8935**	1	WIRE AS	
	25	1	**7T-6365**	2	HOUSING-RECEPTACLE	
C	26	1	**1S-9593**	1	STRAP-CABLE	
BD	27	1	**5P-6025**		LOCKWIRE	
		1	**8S-8158**	1	SEAL-WIRE	
	28	1	**3E-6477**	1	RELAY AS (24 VOLT) (FUEL SHUT-OFF)	
	29	1	**2W-8803**	1	STRIP-MARKER	
	30	1	**4F-8711**	2	PLUG	
	31	1	**2N-3479**	4	SCREW (10-24X0.5 IN)	
	32	1	**4W-3969**	2	BRACKET-RETAINER	
	33	1	**8M-3839**	2	BUTTON-PLUG	
C	34	1	**6V-2673**	1	CAP-PROTECTION	
C	35	1	**9S-4684**	4	PLUG	
	36	1	**3J-1907**	5	SEAL-O-RING	
	37	1	**7L-0688**	3	BOLT-SOCKET HEAD (10-24X1.2 IN)	
	38	1	**5N-9222**	1	MANIFOLD-PRESSURE	
C	39	1	**4H-3001**	2	PLUG-BUTTON	
C	40	1	**7W-6788**	2	CLAMP	
C	41	1	**6T-1546**	1	SWITCH AS-PRESSURE (ENGINE OIL)	
		1	**7N-7781**	1	HOUSING-RECEPTACLE	
		1	**7N-7779**	1	SOCKET-CONNECTOR	
		1	**7N-7780**	2	PIN-CONNECTOR	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER

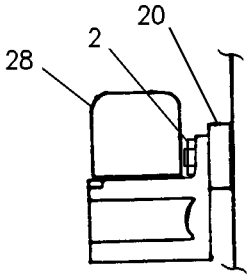




VIEW OF AREA A



VIEW B-B



VIEW C-C

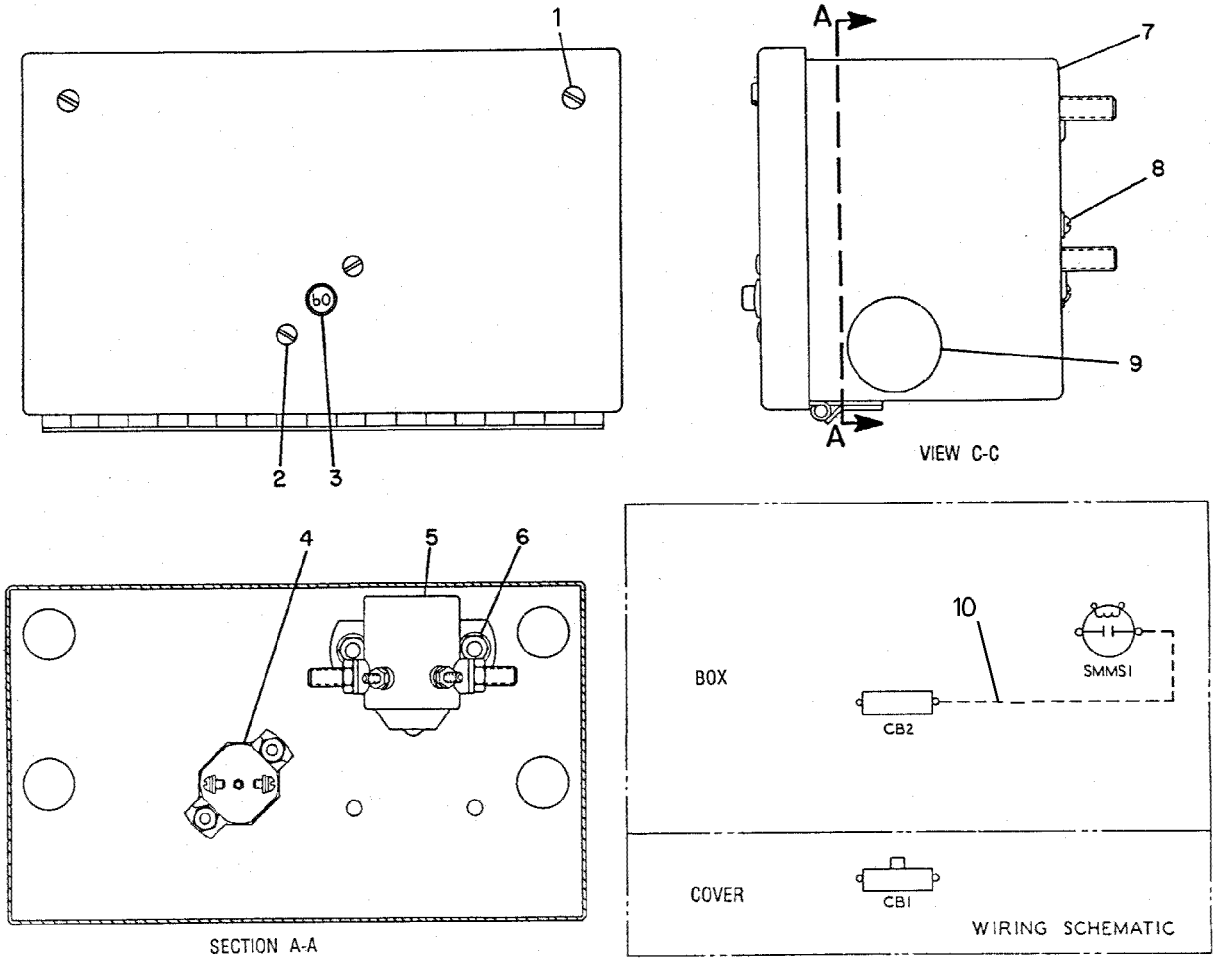
GRAPHIC #1 **<END>** g00231157

7W-7999 BOX GP-JUNCTION

S/N: KPS1-UP
POWER DISTRIBUTION
AN ATTACHMENT

SMCS-7426 **i01309391**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9M-5520**	2	SCREW-TAPPING (10-24 THD)	
	2	1	**7S-4338**	2	SCREW-MACHINE (8-32X.75IN)	
	3	1	**6T-3645**	1	CIRCUIT BREAKER (60 AMP)	
	4	1	**1N-9770**	1	CIRCUIT BREAKER AS (12.5 AMP)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X.25IN)	
		1	**9B-7233**	2	LOCKWASHER (NO.8)	
	5	1	**9F-3099**	1	SWITCH AS-MAGNETIC (24 VOLT) (STARTING MOTOR)	
		1	**4B-2043**	2	NUT (8-32 THD)	
		1	**4F-2294**	2	NUT-JAM (5/16-24 THD)	
		1	**3B-4501**	2	LOCKWASHER (NO.8)	
		1	**3L-6789**	2	LOCKWASHER (.326MM ID)	
		1	**8F-0908**	2	WASHER	
	6	1	**9S-8750**	2	NUT-FULL (1/4-20 THD)	
		1	**5P-0537**	2	WASHER (2MM THK)	
	7	1	**7W-9048**	1	ENCLOSURE AS	
	8	1	**3K-8106**	2	SCREW-MACHINE (8-32 X 1 IN)	
		1	**4B-4863**	2	WASHER (1.2MM THK)	
	9	1	**4F-8711**	1	PLUG (39.69MM DIA)	
	10	1	**2W-8938**	1	WIRE AS	



GRAPHIC #1 **<END>** g00214653

ELECTRICAL AND STARTING SYSTEM

7W-8001 BOX GP-JUNCTION

S/N: KPS1-UP
FOR USE WITH 7C-4372—PAGE 442
AN ATTACHMENT

SMCS-7426 **i00971488**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*7W-8052*	1	DIODE GP	366
Y	**4W-9601**	1	BOX GP-JUNCTION	309

Y-SEPARATE ILLUSTRATION

<END>

130-5691 CABLE AS-EXTENSION

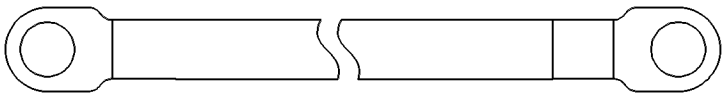
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

FOR USE WITH 3-POLE CIRCUIT BREAKERS WHEN TWO ARE USED ON THE SAME GEN SET

AN ATTACHMENT

SMCS-4459 **i00707037**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	



GRAPHIC #1 **<END>** g00256553

135-2923 CABLE AS-EXTENSION

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

REQUIRED WHEN DUAL CIRCUIT BREAKERS OR CIRCUIT BREAKER/POWER TERMINAL STRIP COMBINATION IS USED ON GEN SET

AN ATTACHMENT

SMCS-4459 **i00708291**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	

<END>

7W-0825 CABLE GP-BATTERY

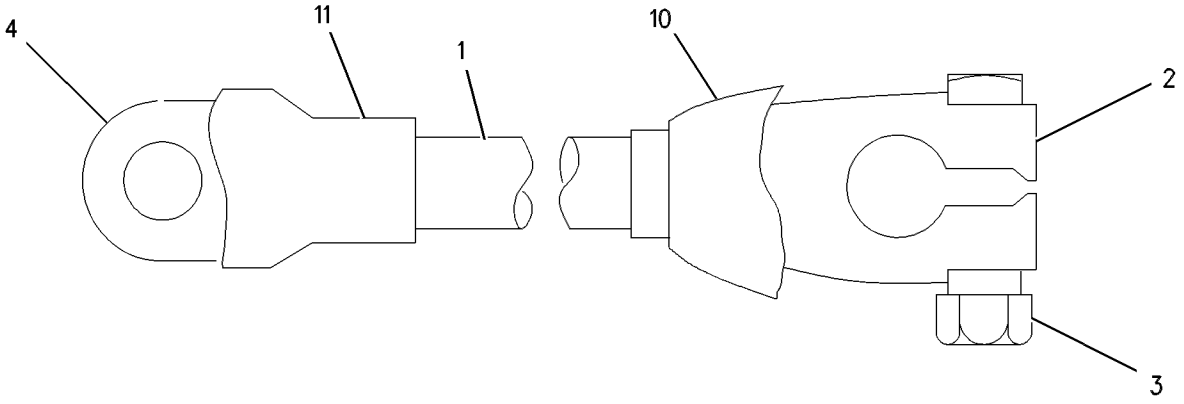
S/N: KPS1-UP

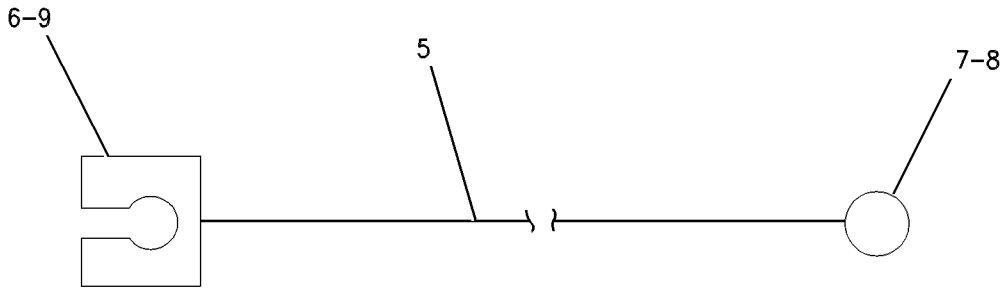
PROVIDES A POSITIVE AND A NEGATIVE CABLE AS 1879MM (74 IN) LONG AN ATTACHMENT

SMCS-1402 **i01708563**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3K-1715**	1	CABLE AS	
	2	1	**3S-6050**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	3	1	**1M-6119**	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
	4	1	**1S-7251**	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	5	1	**3V-6785**	1	CABLE AS	
E		1	**5P-0761**		CABLE (00GA)(RED) (188CM)	
	6	1	**3S-6049**	1	TERMINAL AS-BATTERY (POSITIVE)	
		1	**1M-6119**	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
	7	1	**1S-7251**	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	8	1	**7N-5274**	1	COVER-TERMINAL (BLACK) (BATTERY)	
	9	1	**8N-0869**	1	COVER-TERMINAL (RED) (RING)	
	10	1	**8N-1725**	1	COVER-TERMINAL (RED) (BATTERY)	
	11	1	**9G-8909**	1	COVER-TERMINAL (BLACK) (RING)	

E-ORDER BY THE CENTIMETER





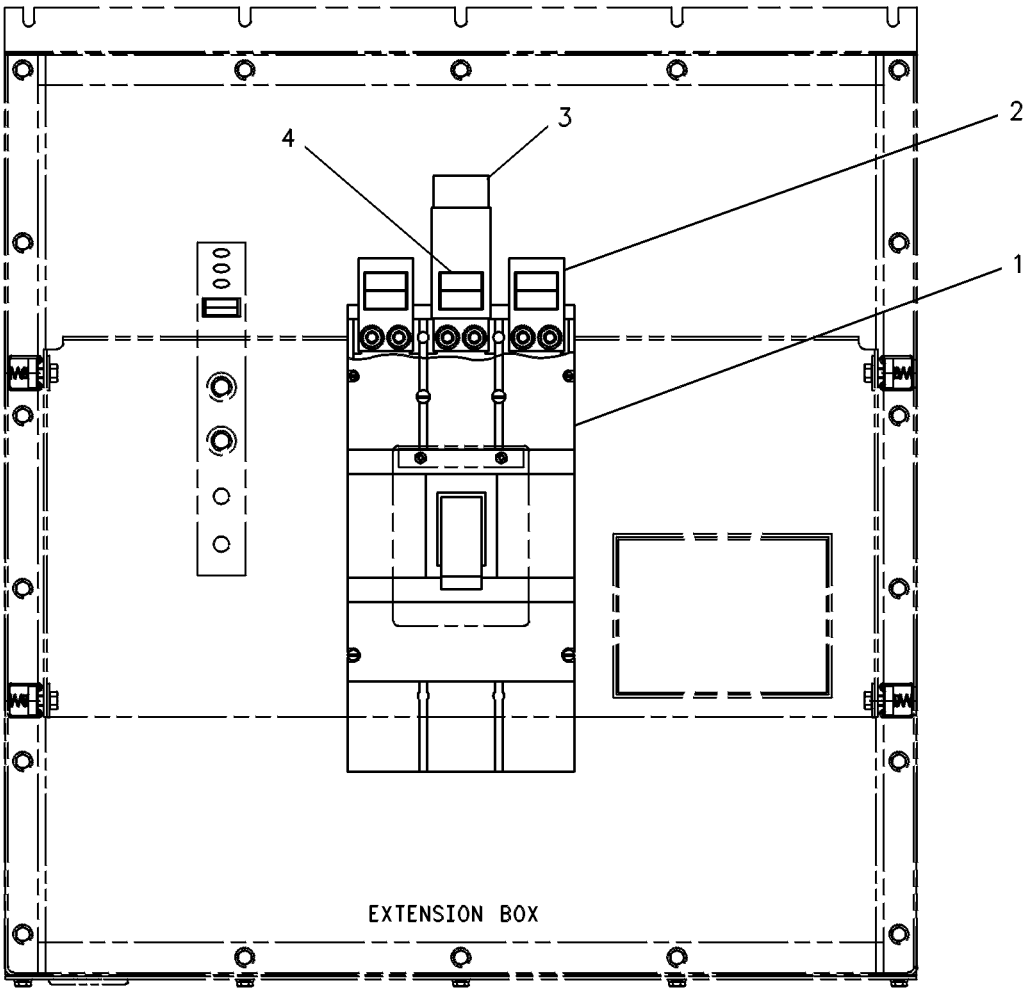
GRAPHIC #1 **<END>** g00623828

108-1063 CIRCUIT BREAKER GP

S/N: KPS1-UP
800 AMPERE
FOR USE WITH 106-9697 BAR AS-NEUTRAL , 108-1059—PAGE 545, 108-1058—PAGE 544
AN ATTACHMENT

SMCS-1420, 4461 **i01971298**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**104-7633**	1	CIRCUIT BREAKER GP (800 AMPERE)	
	2	1	**106-9695**	2	BAR AS	
	3	1	**106-9696**	1	BAR AS	
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	



GRAPHIC #1 **<END>** g00239138

111-9706 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
700 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971028**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	111-8250	2	BAR AS	
	111-8251	1	BAR AS	
	104-7632	1	CIRCUIT BREAKER GP (700 AMP)	
	104-8680	1	SHUNT	
	9Y-4275	1	FILM (TERMINAL STRIP)	

<END>

111-9707 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
800 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971032**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	111-8250	2	BAR AS	
	111-8251	1	BAR AS	
	104-7633	1	CIRCUIT BREAKER GP (800 AMP)	
	104-8680	1	SHUNT	
	9Y-4275	1	FILM (TERMINAL STRIP)	

<END>

111-9708 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
1000 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971036**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	111-8250	2	BAR AS	
	111-8251	1	BAR AS	
	104-7634	1	CIRCUIT BREAKER GP (1000 AMP)	
	104-8680	1	SHUNT	
	9Y-4275	1	FILM (TERMINAL STRIP)	

<END>

111-9709 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
1200 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971060**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	111-8250	2	BAR AS	
	111-8251	1	BAR AS	
	104-7635	1	CIRCUIT BREAKER GP (1200 AMP)	
	104-8680	1	SHUNT	
	9Y-4275	1	FILM (TERMINAL STRIP)	

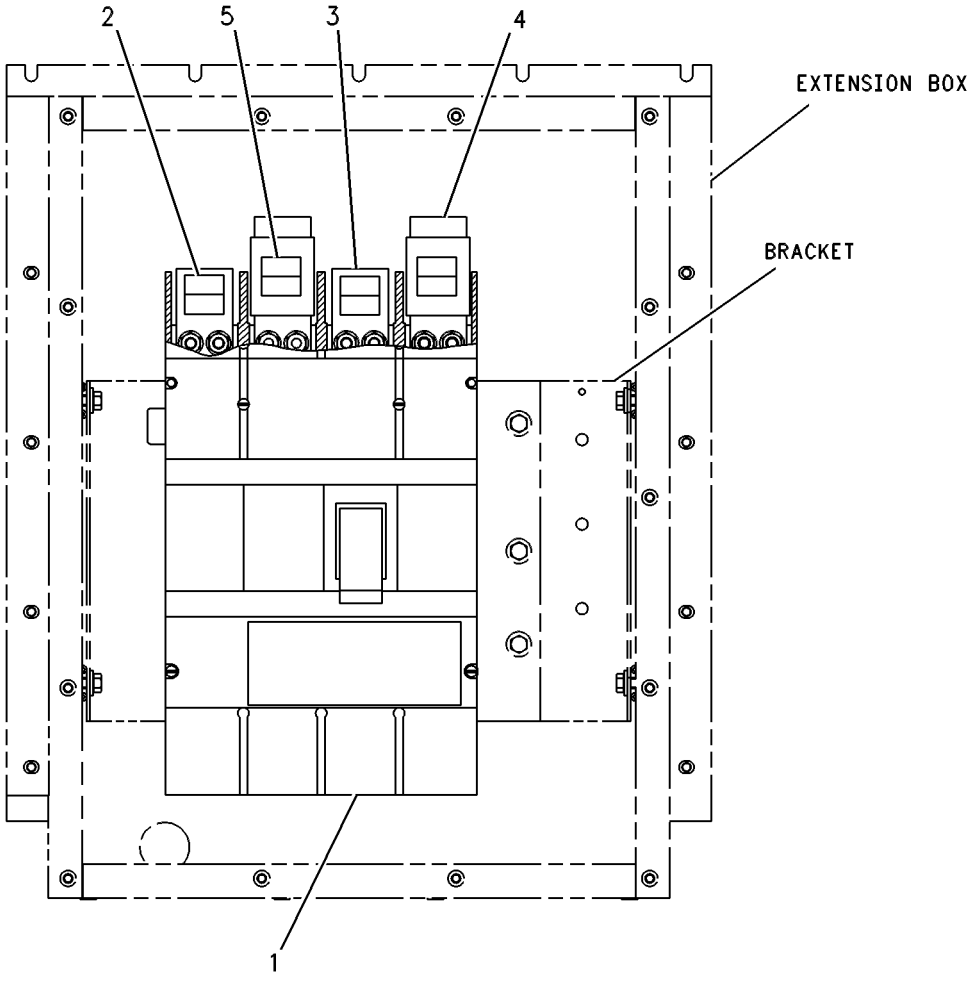
<END>

113-0839 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
800 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01902921**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**113-0827**	1	CIRCUIT BREAKER GP (800 AMPERE)	
		1	**113-0857**	1	SHUNT-TRIP	
	2	1	**113-0802**	1	BAR (T0-800 AMPERE)	
	3	1	**113-0804**	1	BAR (T2-800 AMPERE)	
	4	1	**131-2831**	2	BAR AS (T1,T3-800 AMPERE)	
	5	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	



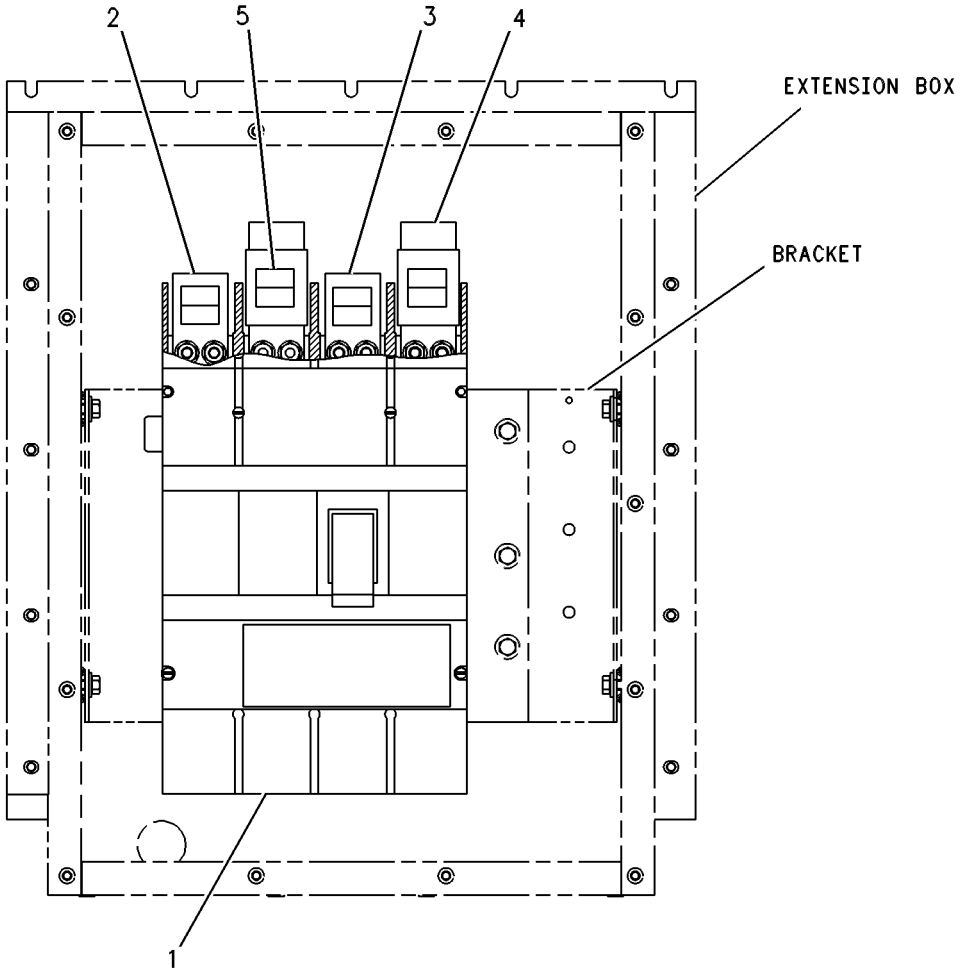
GRAPHIC #1 **<END>** g00254447

113-0840 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
1000 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01843859**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**113-0828**	1	CIRCUIT BREAKER GP (800 AMPERE)	
		1	**113-0857**	1	SHUNT-TRIP	
	2	1	**113-0805**	1	BAR AS (T0-800 AMPERE)	
	3	1	**113-0807**	1	BAR AS (T2-800 AMPERE)	
	4	1	**131-2832**	2	BAR AS (T1,T3-800 AMPERE)	
	5	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	



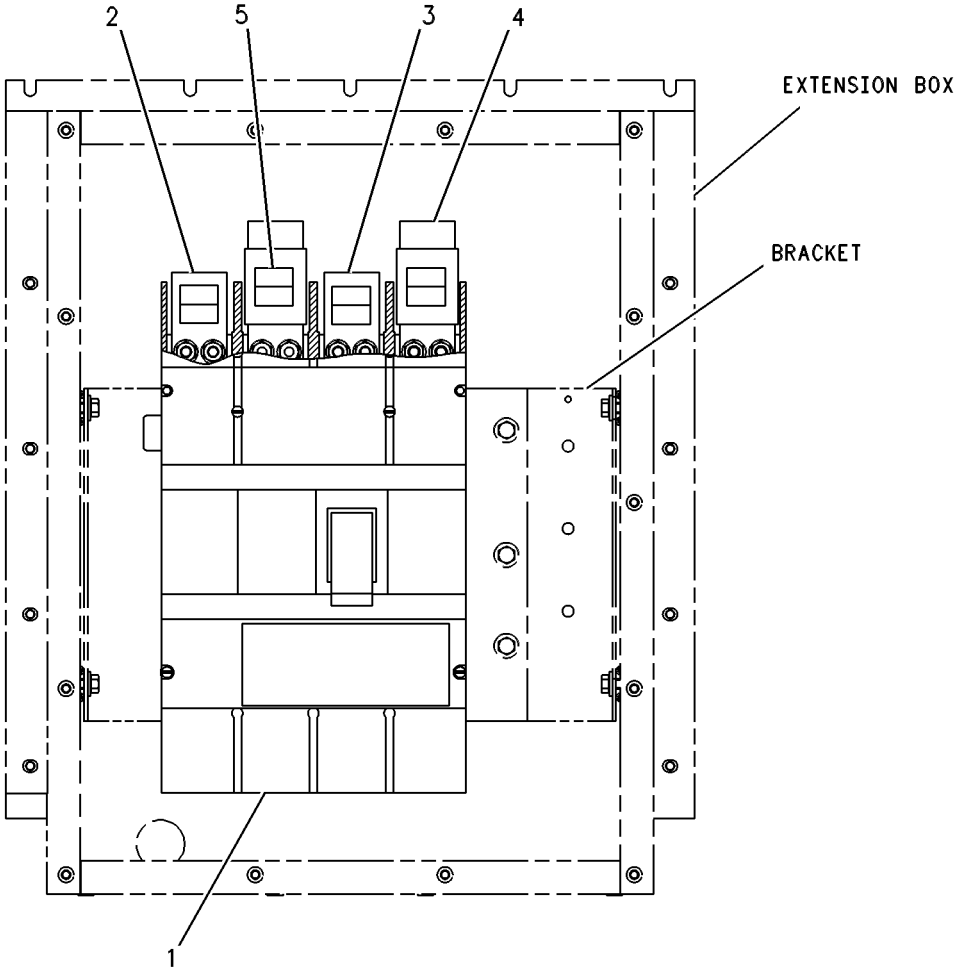
GRAPHIC #1 **<END>** g00254449

113-0841 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP
1250 AMPERE
CANNOT BE USED WITH GENERATOR TERMINAL STRIPS
AN ATTACHMENT

SMCS-1420, 4461 **i01843860**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**113-0829**	1	CIRCUIT BREAKER GP (1250 AMPERE)	
		1	**113-0857**	1	SHUNT-TRIP	
	2	1	**113-0805**	1	BAR AS (T0-1250 AMPERE)	
	3	1	**113-0807**	1	BAR AS (T2-1250 AMPERE)	
	4	1	**131-2832**	2	BAR AS (T1,T3-1250 AMPERE)	
	5	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	



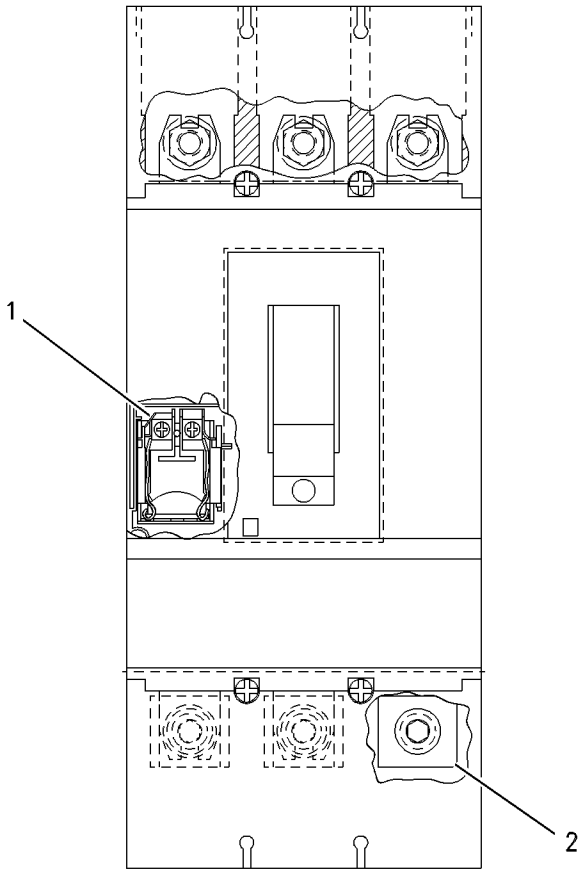
GRAPHIC #1 **<END>** g00254449

168-0342 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
300-400 AMPERE
PART OF 169-1837 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01162529**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**169-1855**	1	TERMINAL	



FRONT VIEW

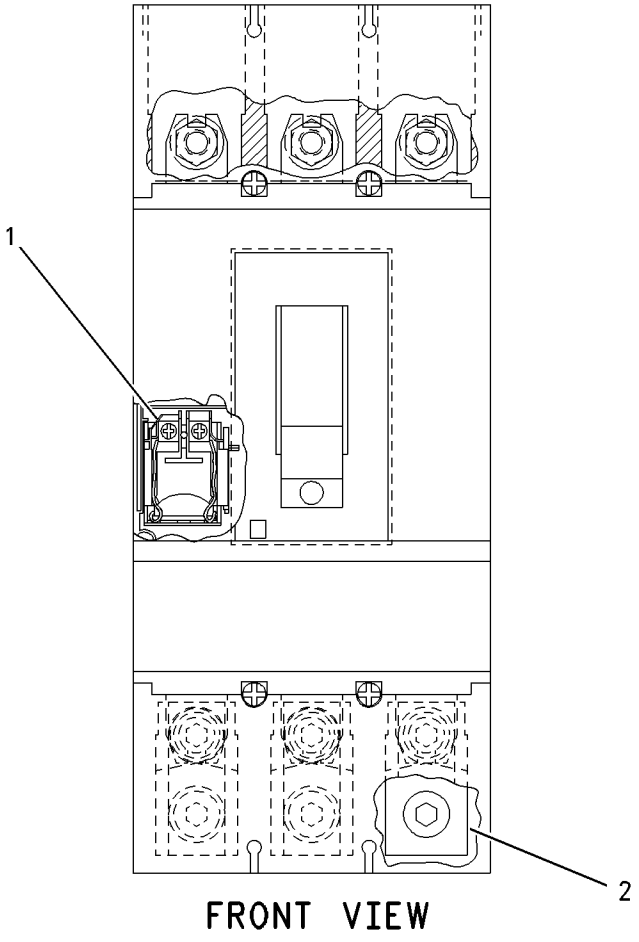
GRAPHIC #1 **<END>** g00619660

168-0343 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
450-600 AMPERE
PART OF 169-1839 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01850210**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**168-0345**	1	TERMINAL	



FRONT VIEW

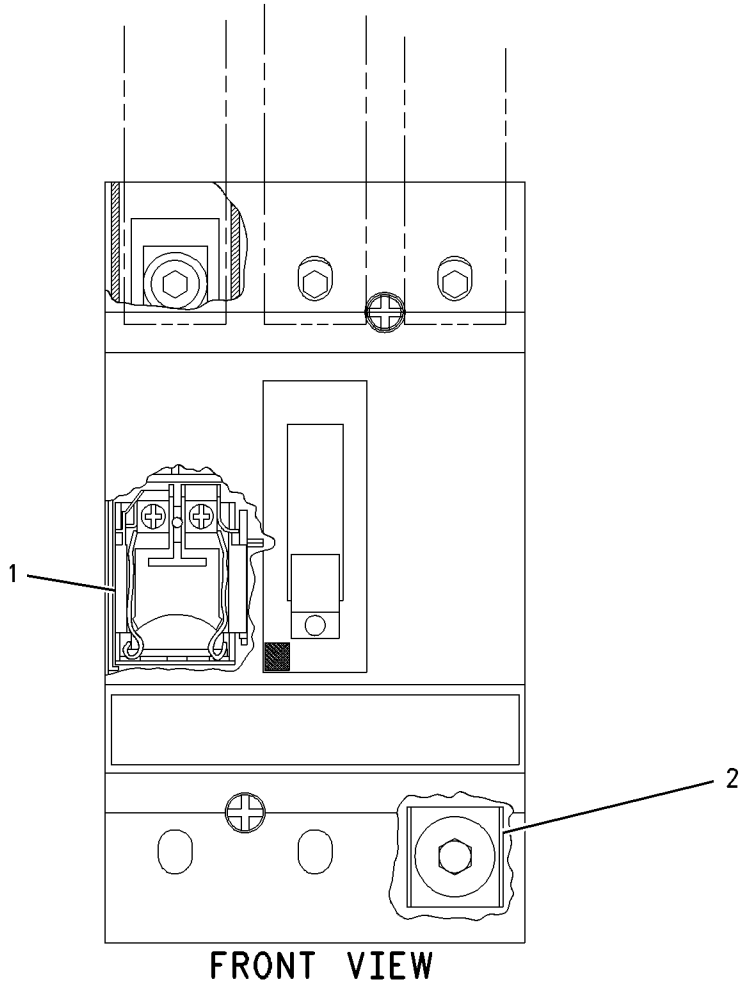
GRAPHIC #1 **<END>** g00942445

168-8967 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
100 AMPERE
PART OF 169-1828 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01925411**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8644**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



GRAPHIC #1

<END>

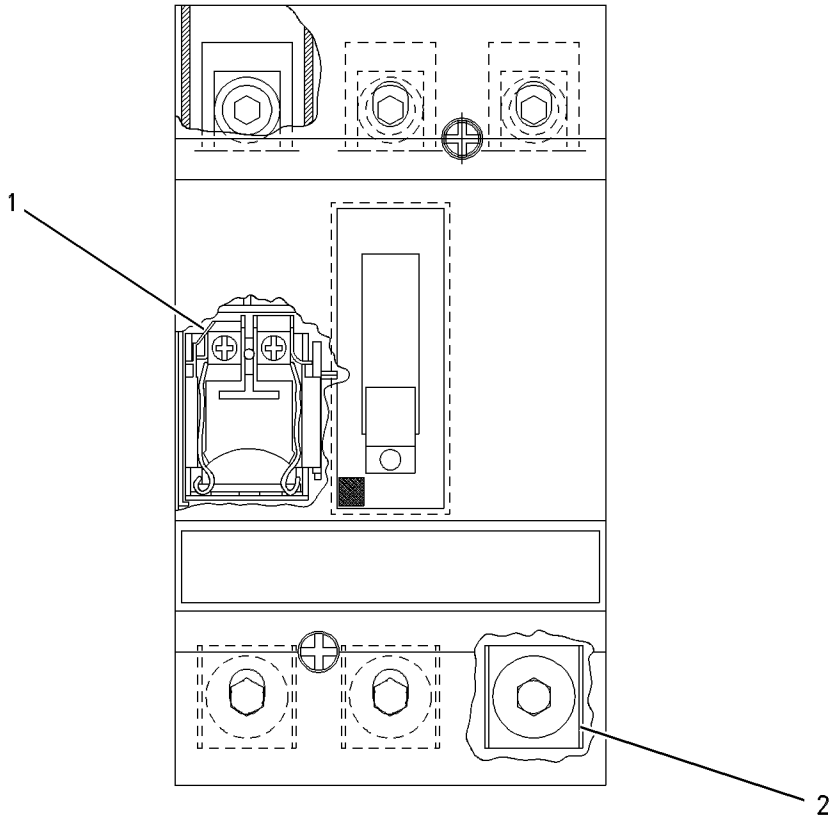
g00942448

168-8968 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
125 AMPERE
PART OF 169-1829 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01925539**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8644**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



FRONT VIEW

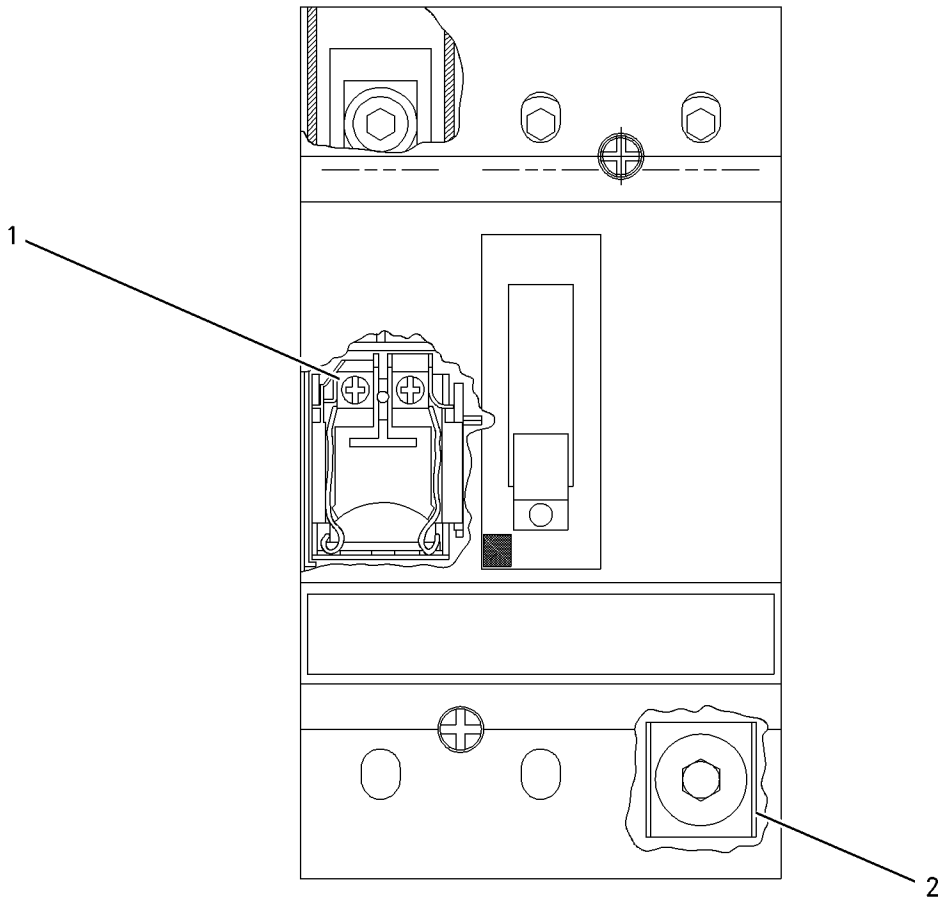
GRAPHIC #1 **<END>** g00619473

168-8969 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
150 AMPERE
PART OF 169-1830 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01925540**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8644**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



FRONT VIEW

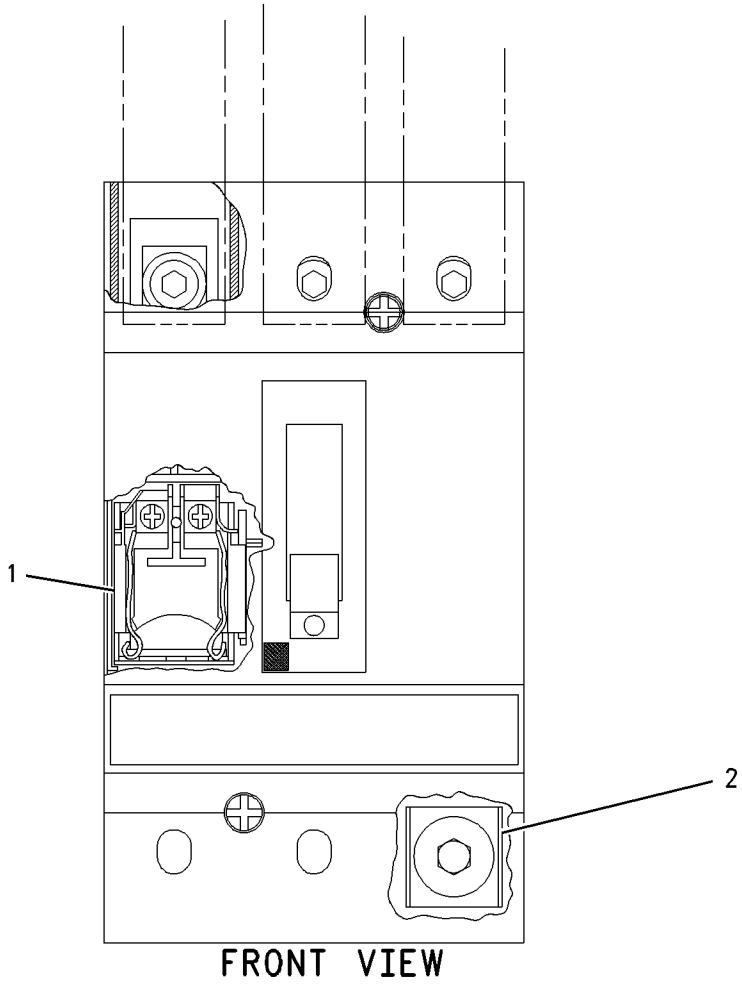
GRAPHIC #1 **<END>** g00634515

168-8970 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
175 AMPERE
PART OF 169-1831 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01925547**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8644**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



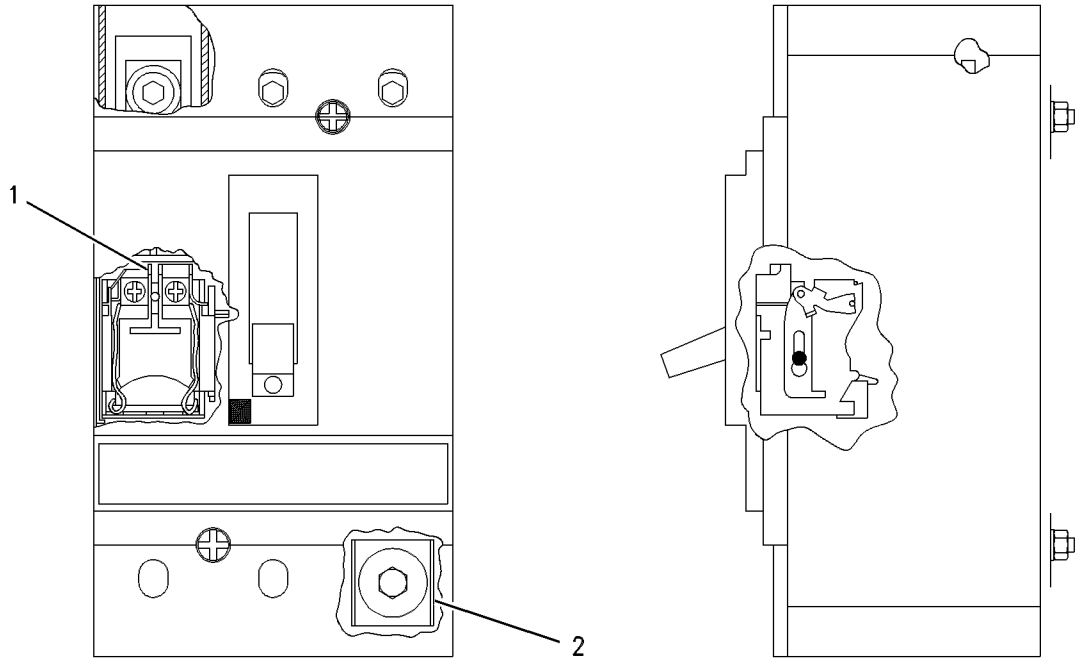
GRAPHIC #1 **<END>** g00942453

168-8971 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
200 AMPERE
PART OF 169-1832 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01925550**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8644**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



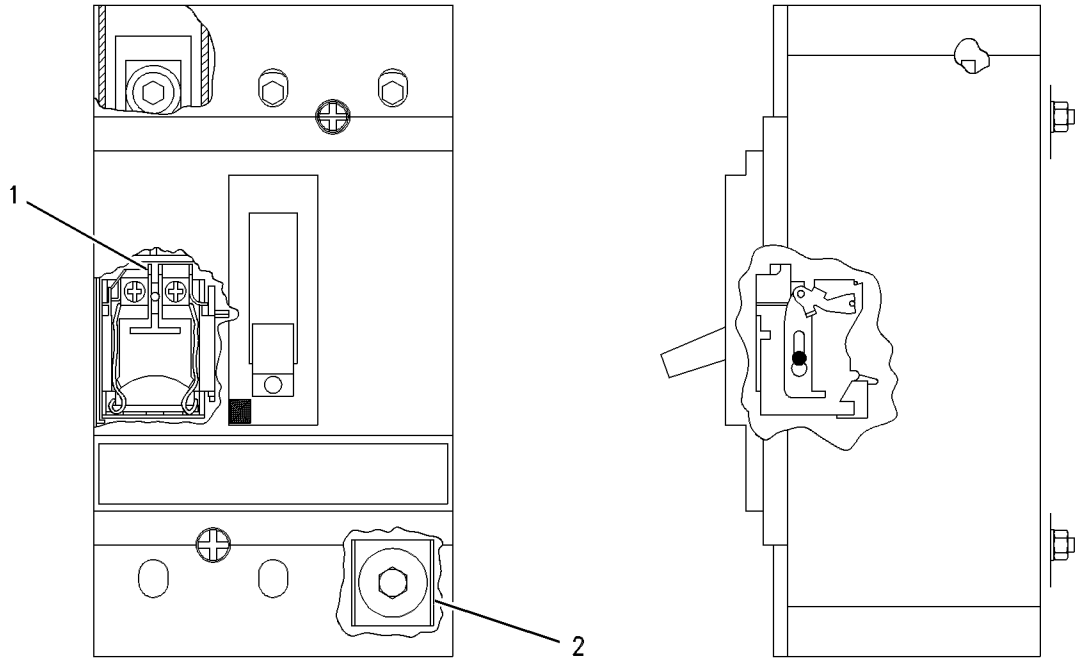
GRAPHIC #1 **<END>** g00624835

168-8972 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
225 AMPERE
PART OF 169-1833 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01902928**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8644**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



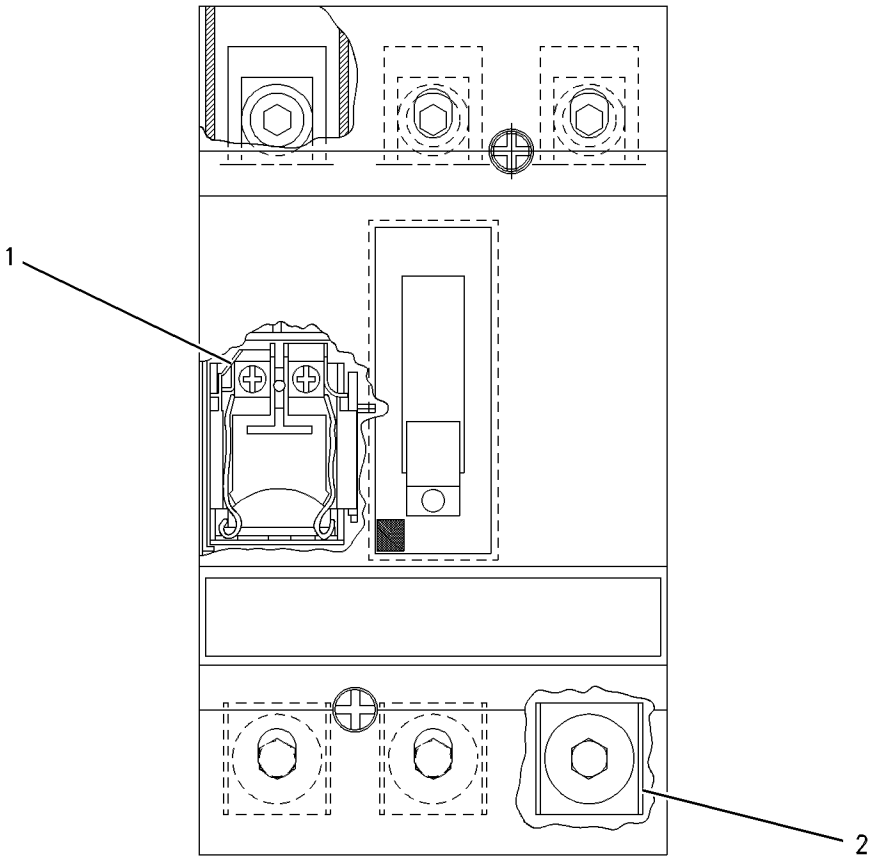
GRAPHIC #1 **<END>** g00624816

168-8973 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
250 AMPERE
PART OF 169-1834 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01902929**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	
	2	1	**207-8656**	1	KIT-TERMINAL (CIRCUIT BREAKER)	
					(INCLUDES 4 LUGS)	



GRAPHIC #1 **<END>** g00624318

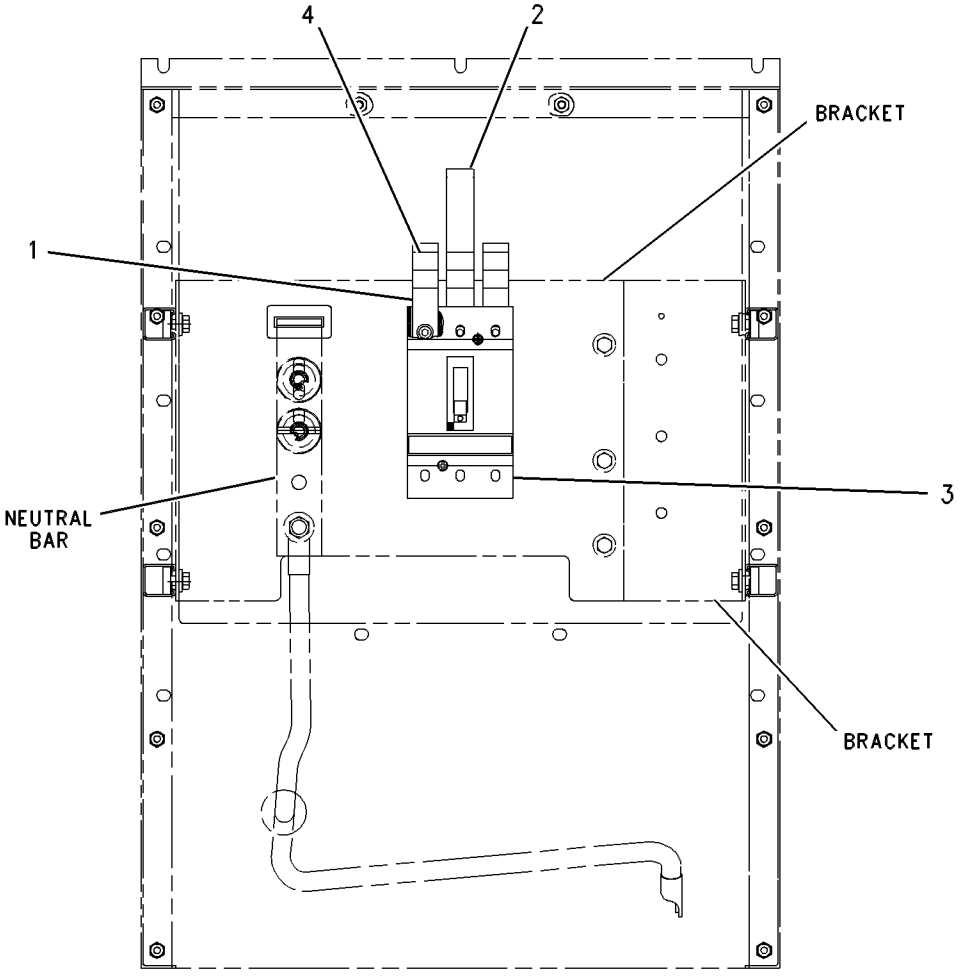
169-1828 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
100 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01955228**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8967**	1	CIRCUIT BREAKER GP (100 AMP)	328
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00620603

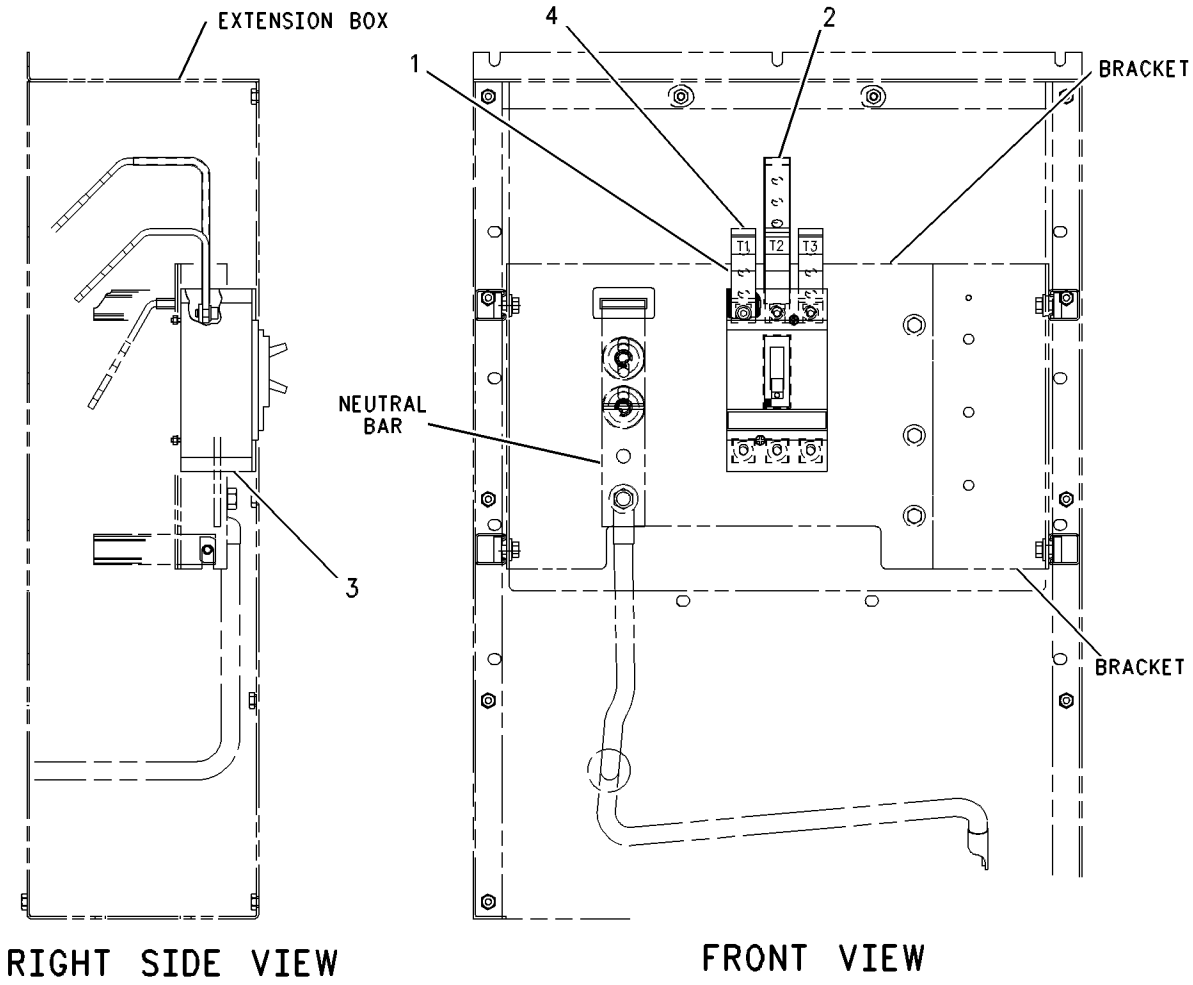
169-1829 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
125 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01833109**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8968**	1	CIRCUIT BREAKER GP	329
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00619462

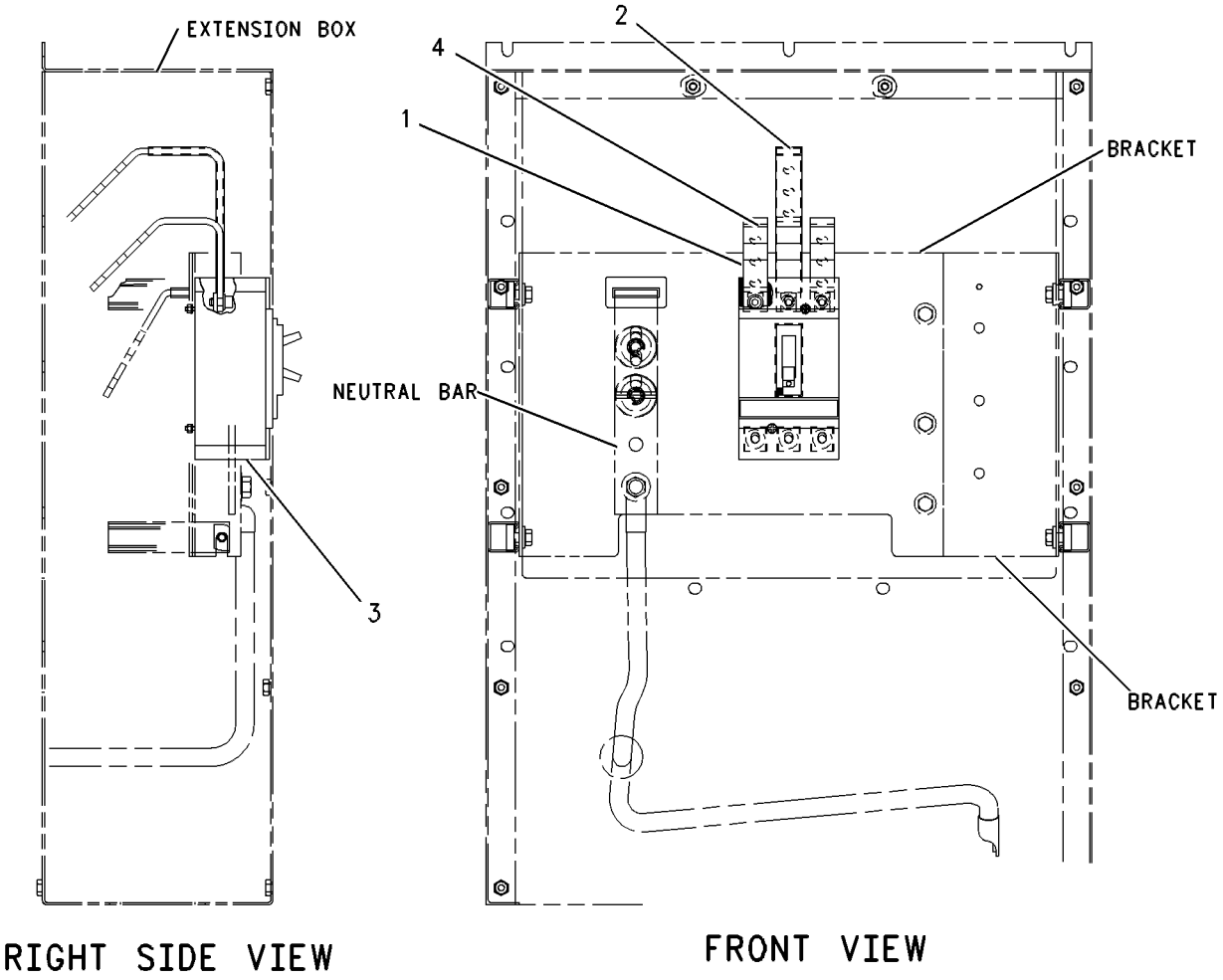
169-1830 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
150 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01833070**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8969**	1	CIRCUIT BREAKER GP (150 AMP)	330
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00633006

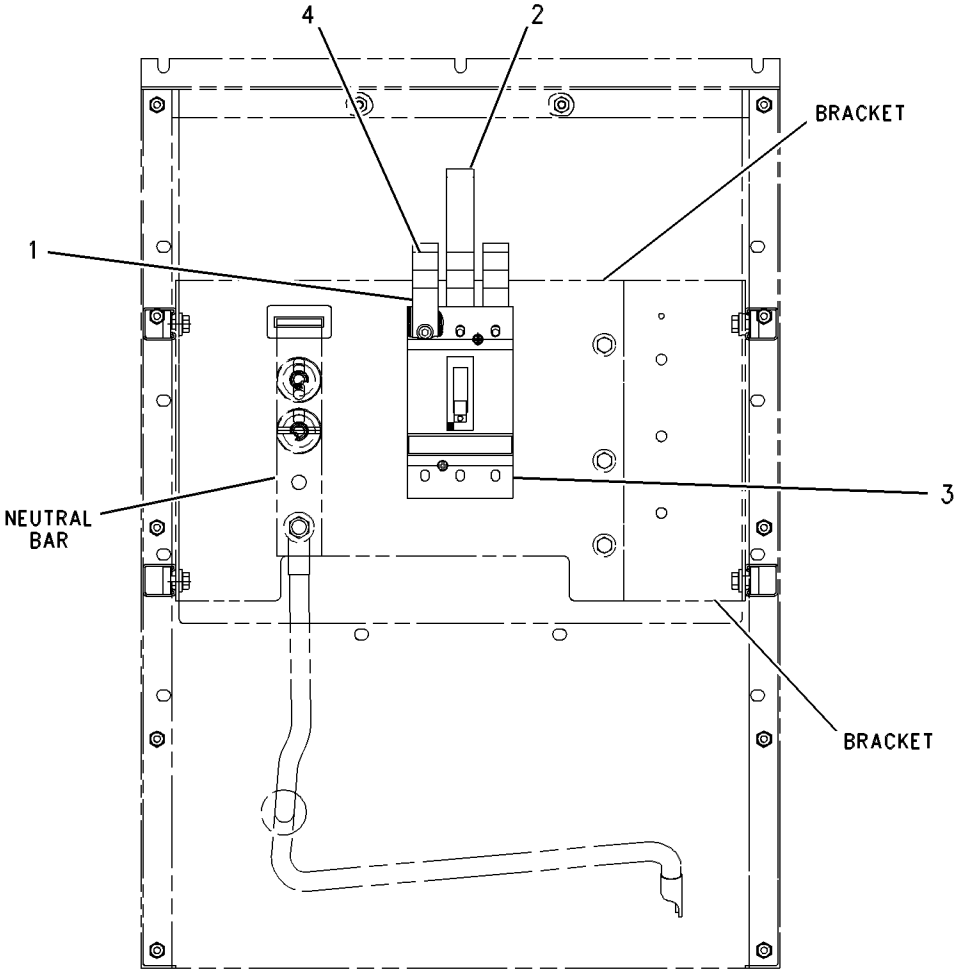
169-1831 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
175 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01955229**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8970**	1	CIRCUIT BREAKER GP (175 AMP)	331
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00620603

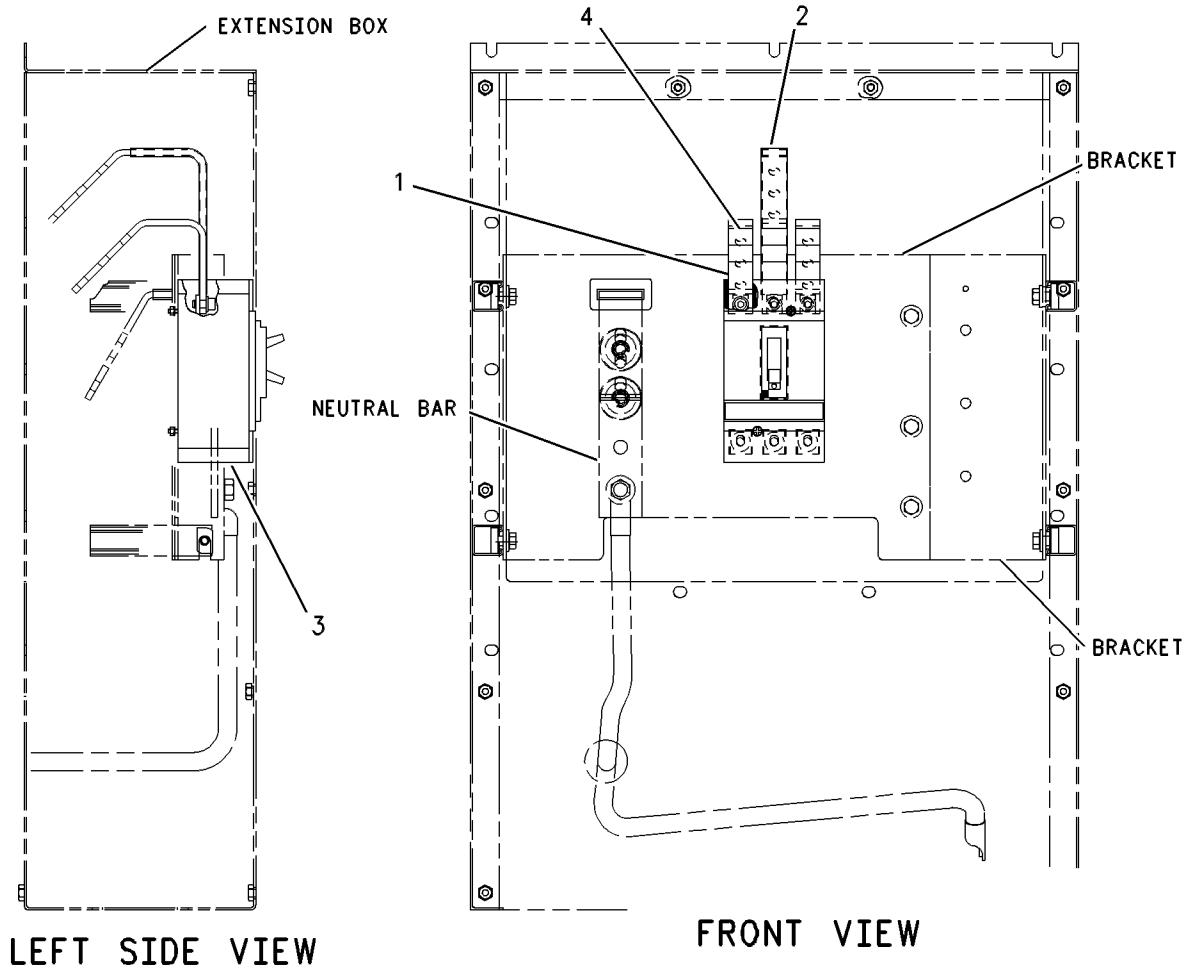
169-1832 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
200 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01833067**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8971**	1	CIRCUIT BREAKER GP	332
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00622652

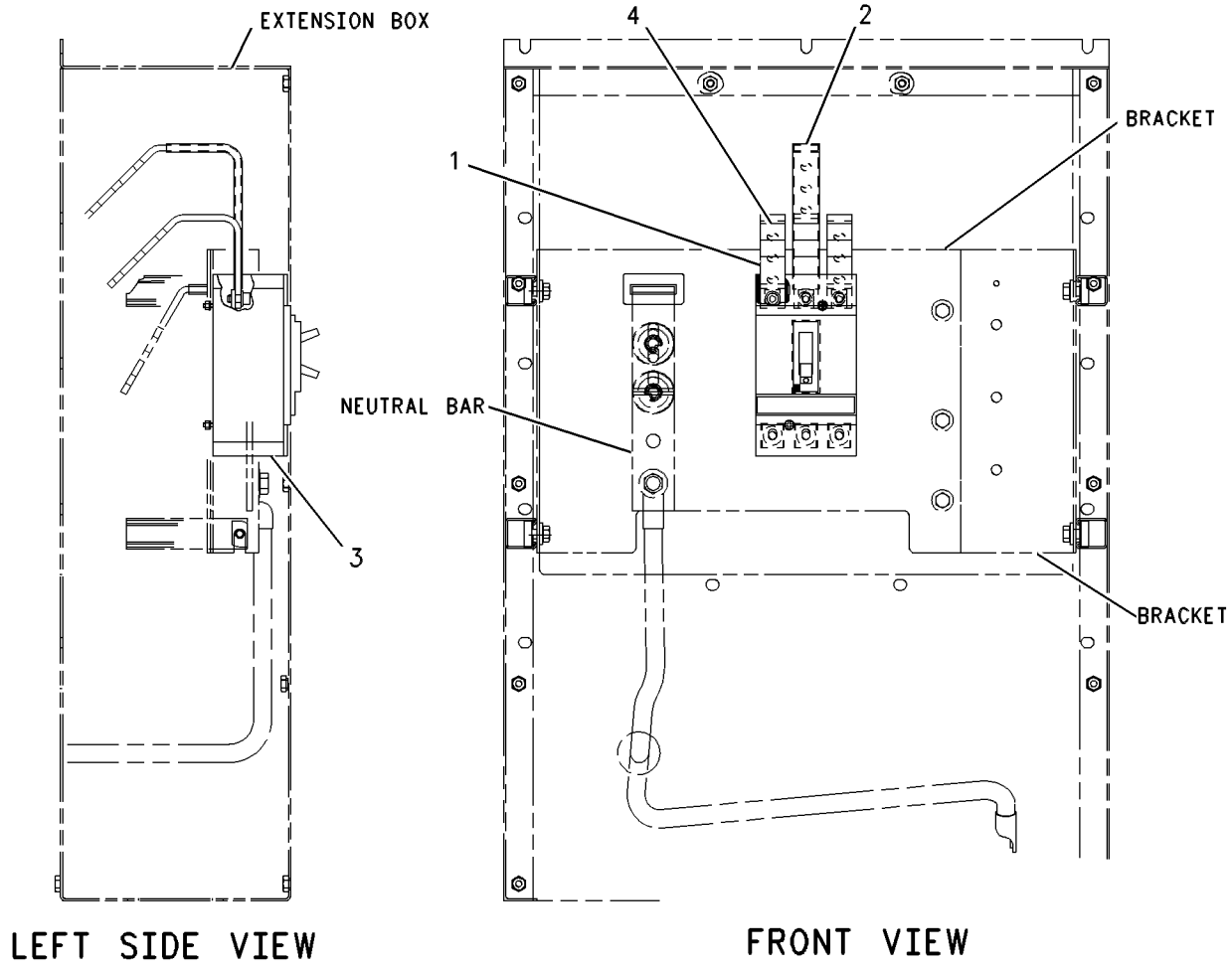
169-1833 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
225 AMPERE
FOR USE WITH 6I-3340—PAGE 401
AN ATTACHMENT

SMCS-1420, 4461 **i01955230**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8972**	1	CIRCUIT BREAKER GP (225 AMP)	333
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00622645

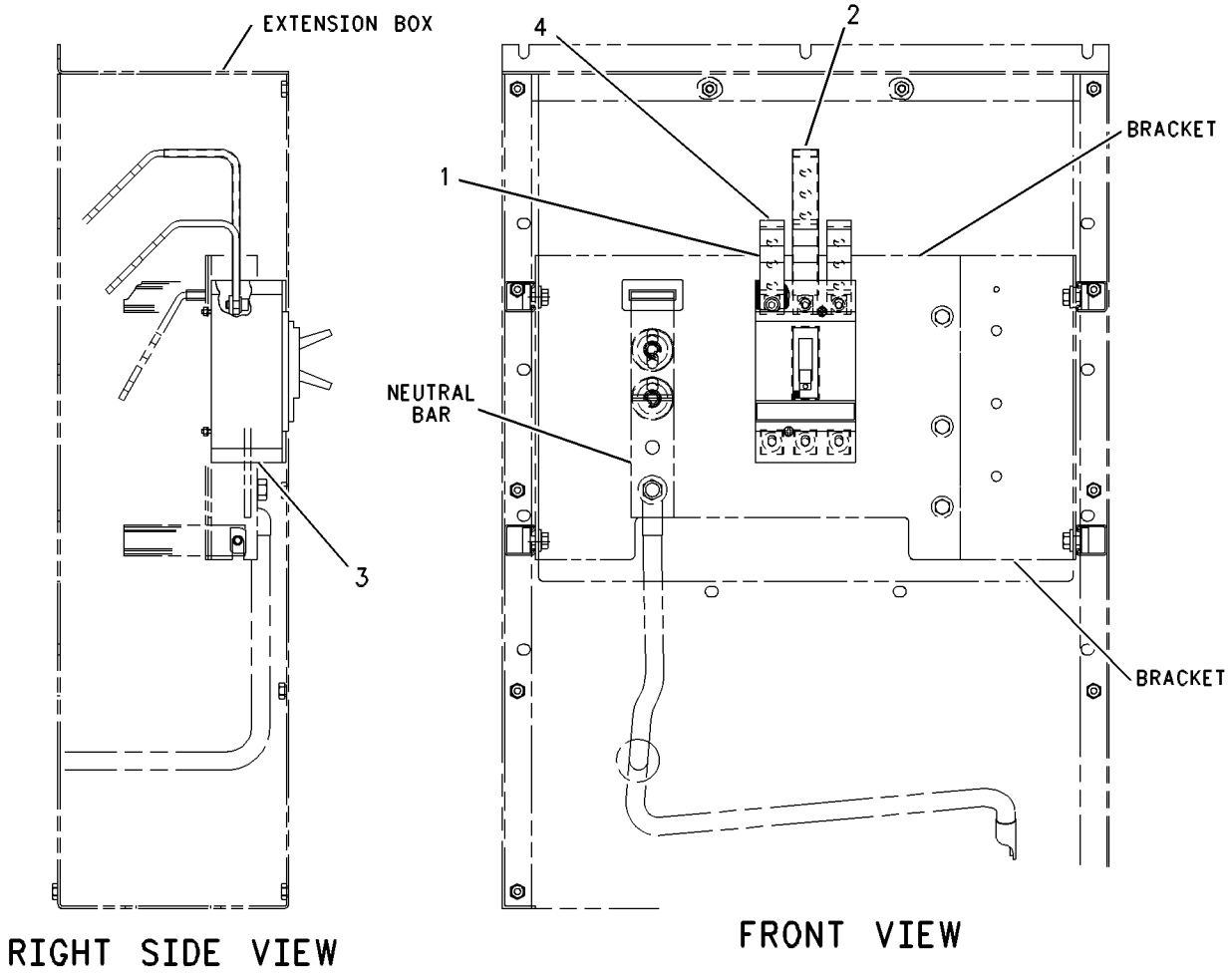
169-1834 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
250 AMPERE
FOR USE WITH 6I-3340—PAGE 401
AN ATTACHMENT

SMCS-1420, 4461 **i01955231**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	2	BAR	
	2	1	**169-1844**	1	BAR AS	
Y	3	1	**168-8973**	1	CIRCUIT BREAKER GP (250 AMP)	334
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00624307

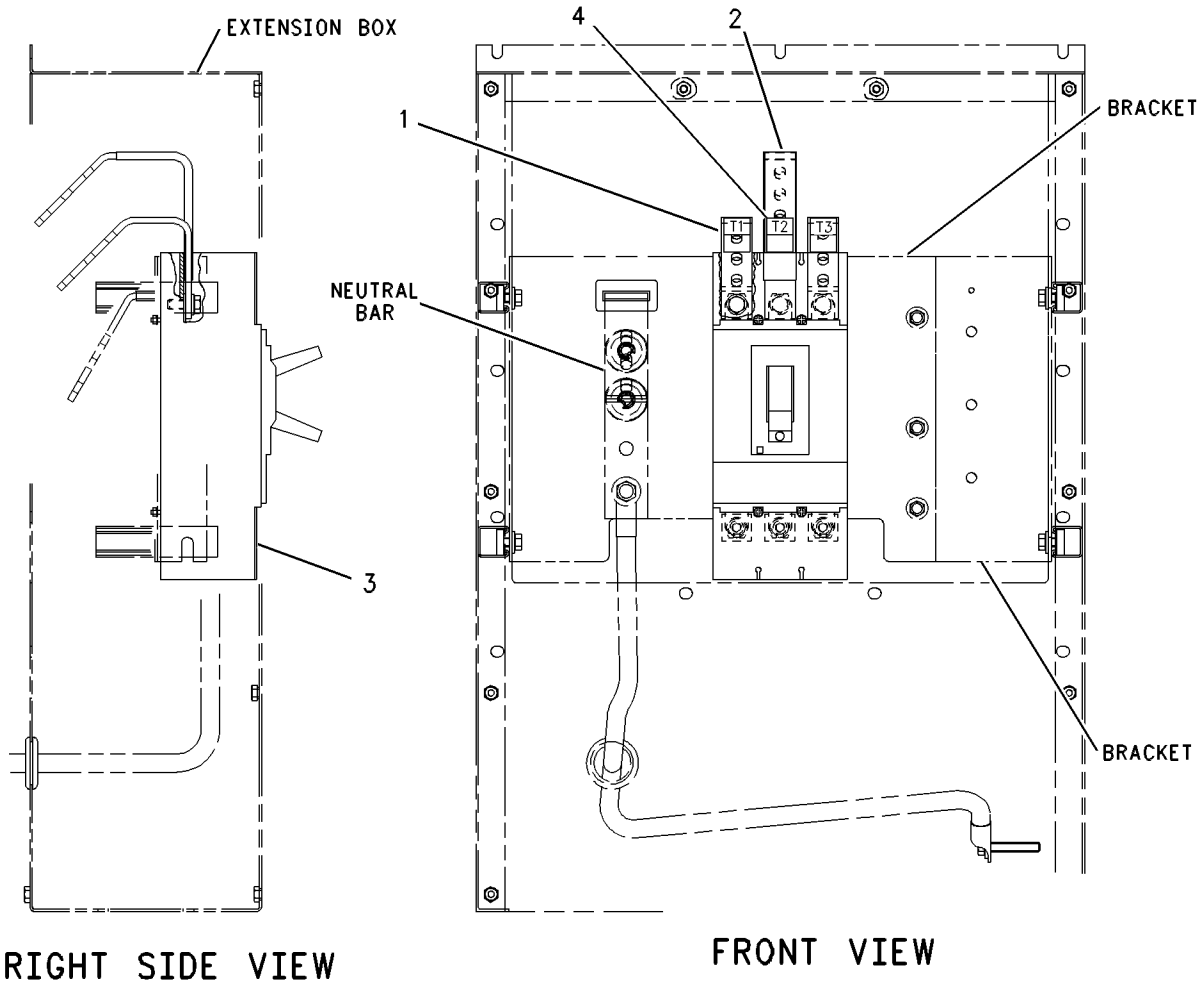
169-1837 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
300-400 AMPERE
FOR USE WITH 6I-3340—PAGE 401
AN ATTACHMENT

SMCS-1420, 4461 **i01955290**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1843**	2	BAR	
	2	1	**169-1845**	1	BAR AS	
Y	3	1	**168-0342**	1	CIRCUIT BREAKER GP (400 AMP)	326
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00619643

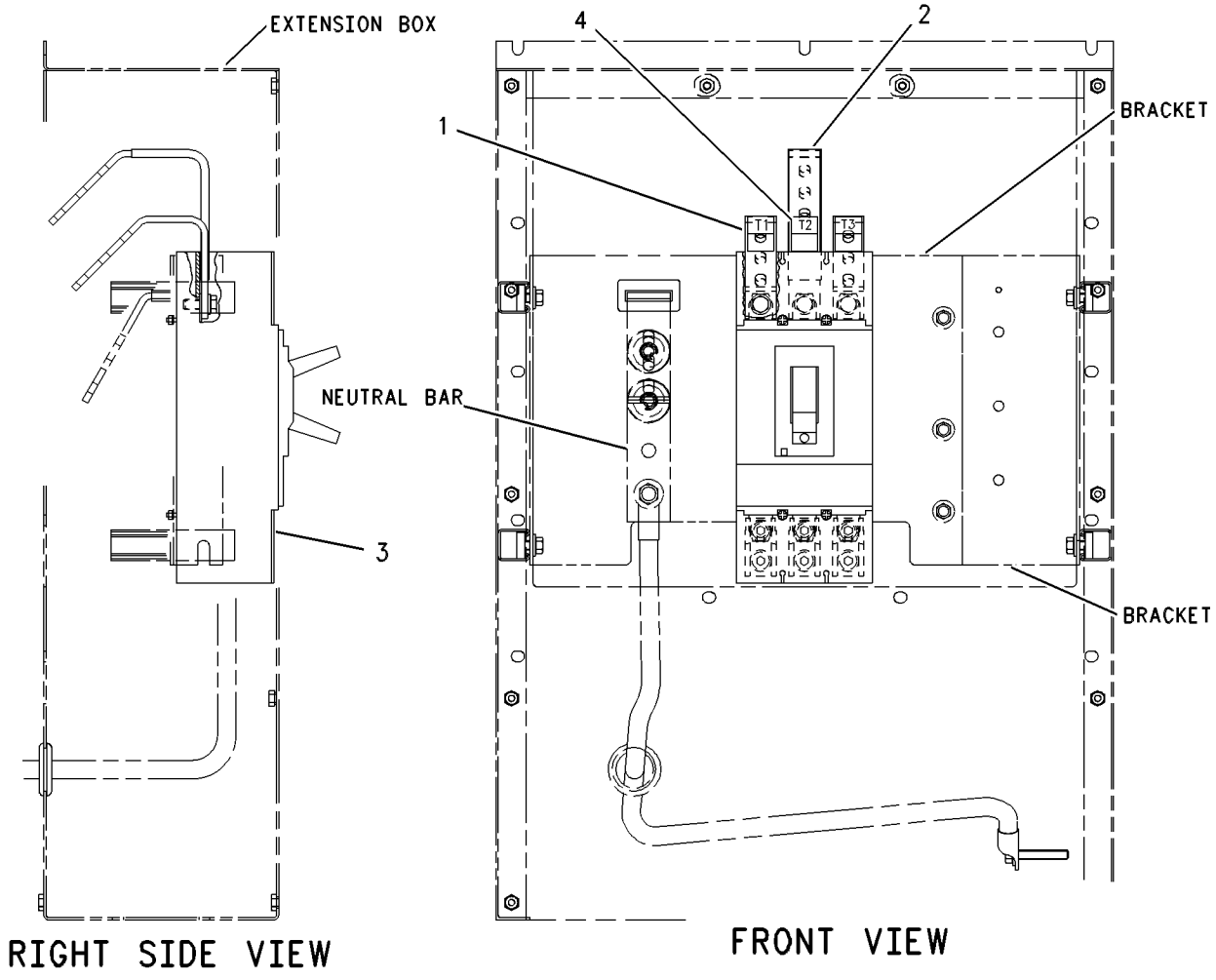
169-1839 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
450-600 AMPERE
FOR USE WITH 6I-3340—PAGE 401
AN ATTACHMENT

SMCS-1420, 4461 **i01955291**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1843**	2	BAR	
	2	1	**169-1845**	1	BAR AS	
Y	3	1	**168-0343**	1	CIRCUIT BREAKER GP (600 AMP)	327
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00619447

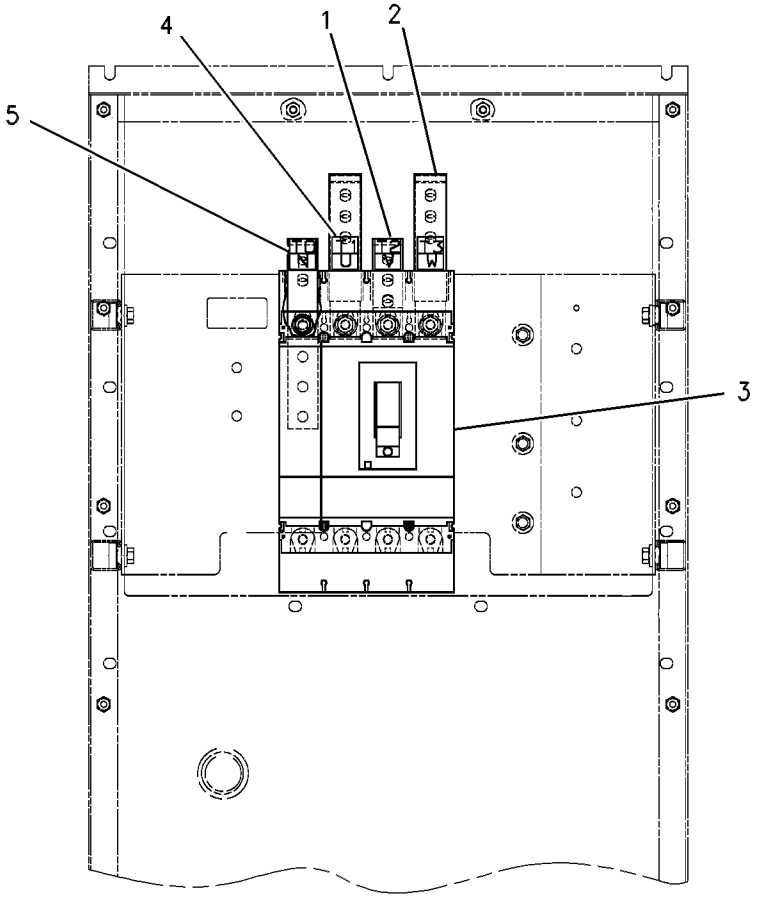
175-1329 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
320-400 AMPERE
FOR USE WITH 169-1861—PAGE 392, 129-5841—PAGE 535, 130-2572—PAGE 307
AN ATTACHMENT

SMCS-1420, 4461 **i01955292**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1843**	1	BAR	
	2	1	**169-1845**	2	BAR AS	
Y	3	1	**175-1331**	1	CIRCUIT BREAKER GP (320-400 AMPERE)	346
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	
	5	1	**169-1863**	1	BAR	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00648644

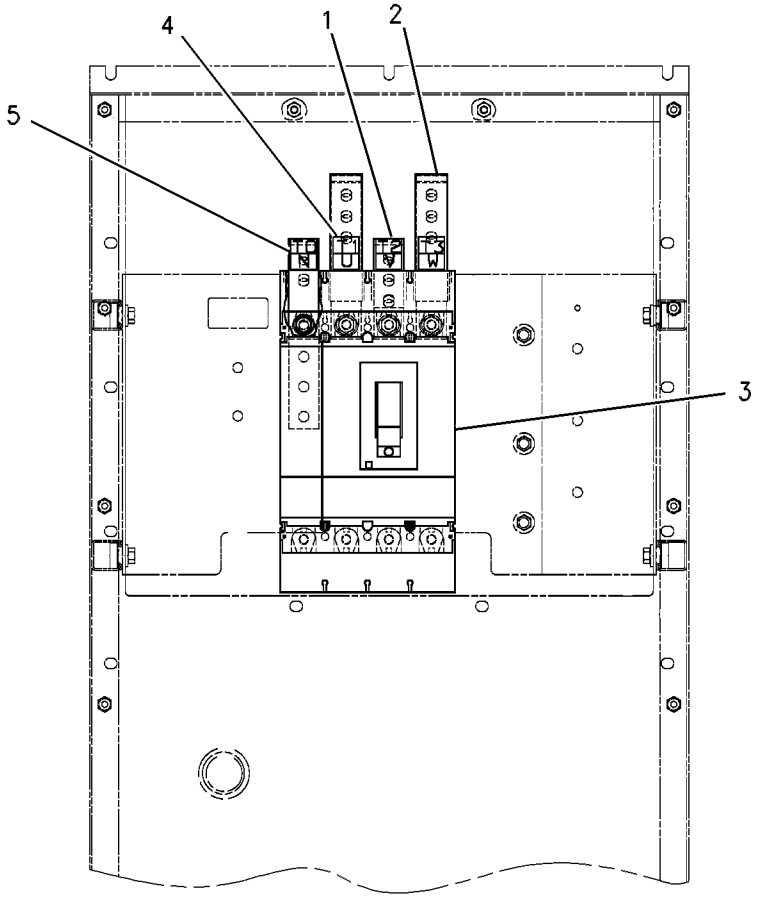
175-1330 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
500-630 AMPERE
FOR USE WITH 169-1861—PAGE 392, 129-5841—PAGE 535, 130-2572—PAGE 307
AN ATTACHMENT

SMCS-1420, 4461 **i01955293**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1843**	1	BAR	
	2	1	**169-1845**	2	BAR AS	
Y	3	1	**175-1332**	1	CIRCUIT BREAKER GP (500-630 AMPERE)	347
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	
	5	1	**169-1863**	1	BAR	

Y-SEPARATE ILLUSTRATION



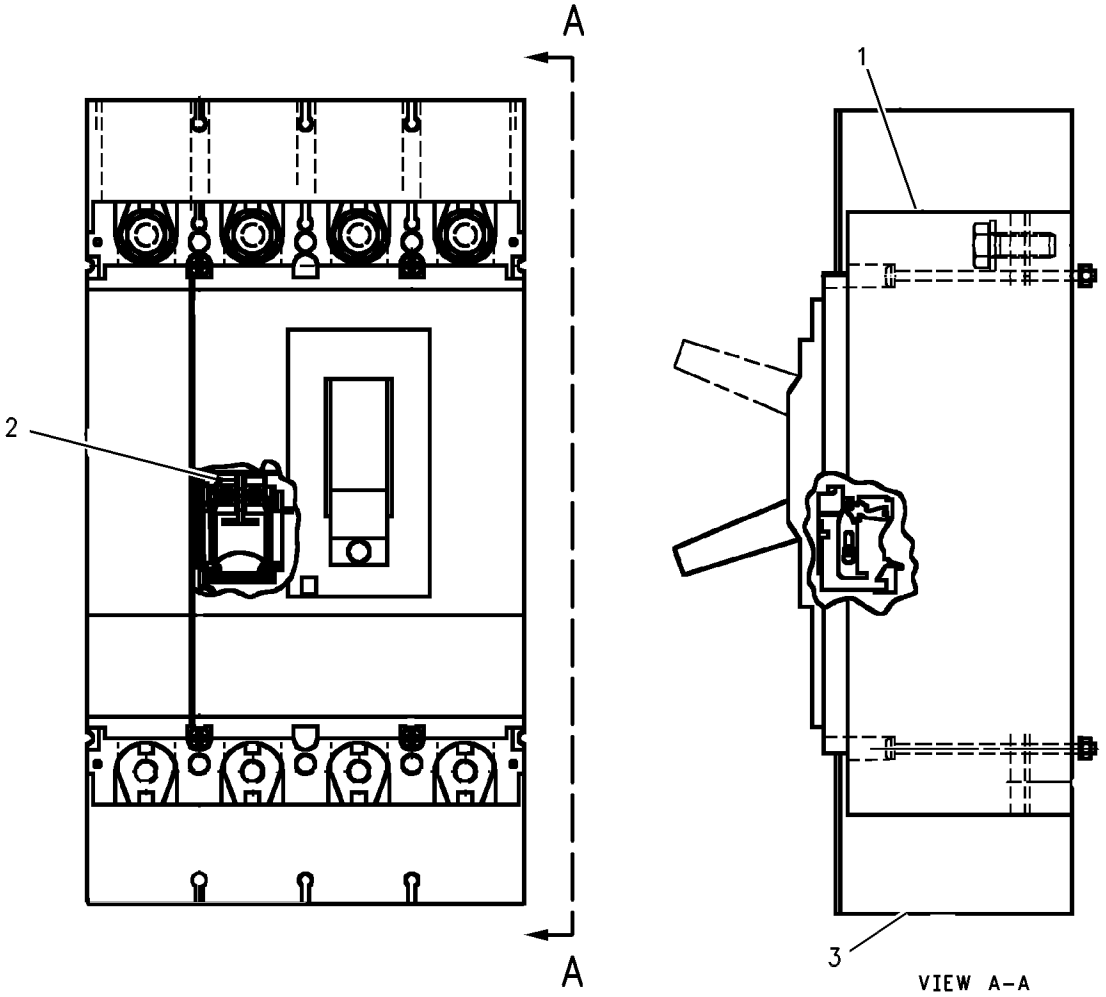
GRAPHIC #1 **<END>** g00648644

175-1331 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
320-400 AMPERE
PART OF 175-1329 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01902930**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-5853**	1	CIRCUIT BREAKER (320-400 AMPERE, ADJ TRIP)	
	2	1	**143-6856**	1	SHUNT-TRIP	
	3	1	**175-1333**	1	SHIELD-TERMINAL	



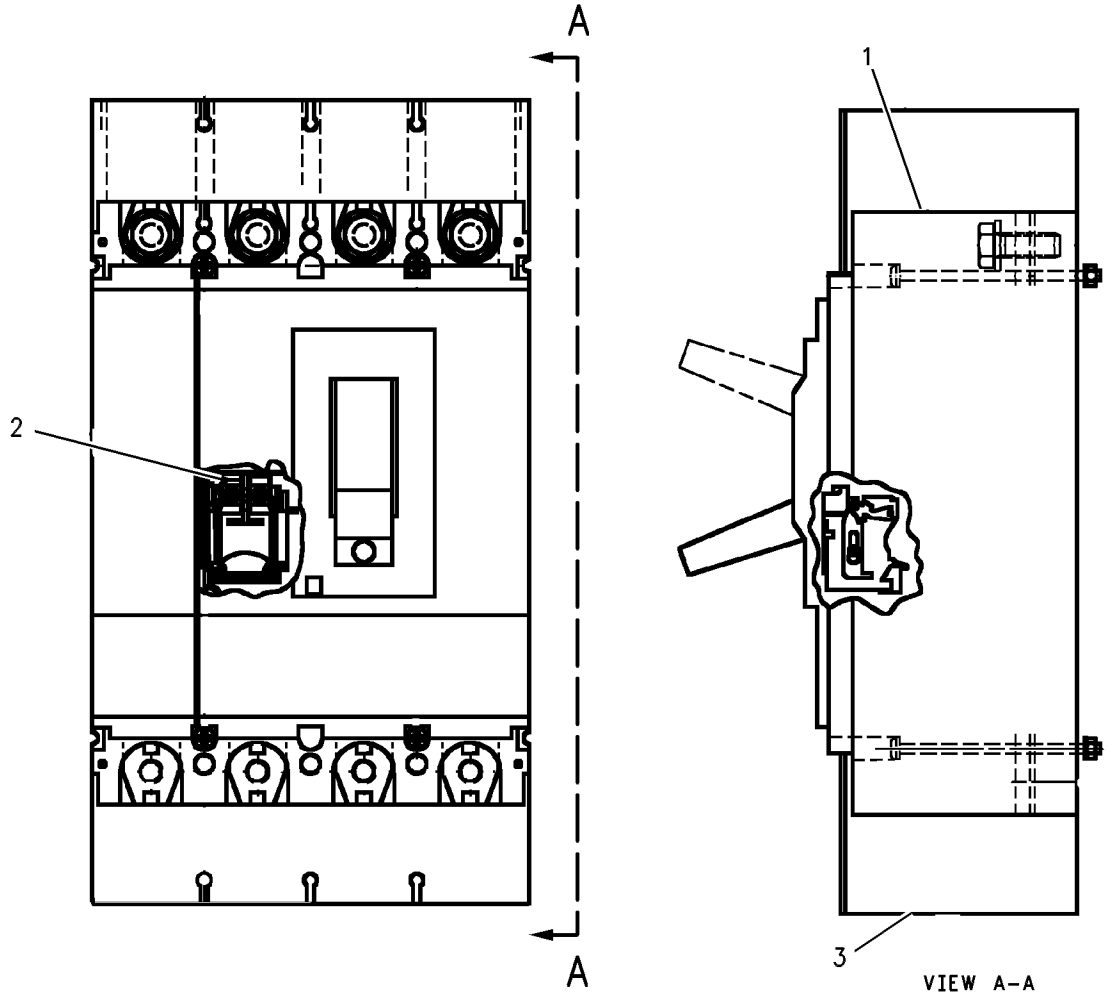
GRAPHIC #1 **<END>** g00648534

175-1332 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
500-630 AMPERE
PART OF 175-1330 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01903071**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-7610**	1	CIRCUIT BREAKER (500-630 AMP)(ADJ TRIP)	
	2	1	**143-6856**	1	SHUNT-TRIP	
	3	1	**175-1333**	1	SHIELD-TERMINAL	



GRAPHIC #1 **<END>** g00648552

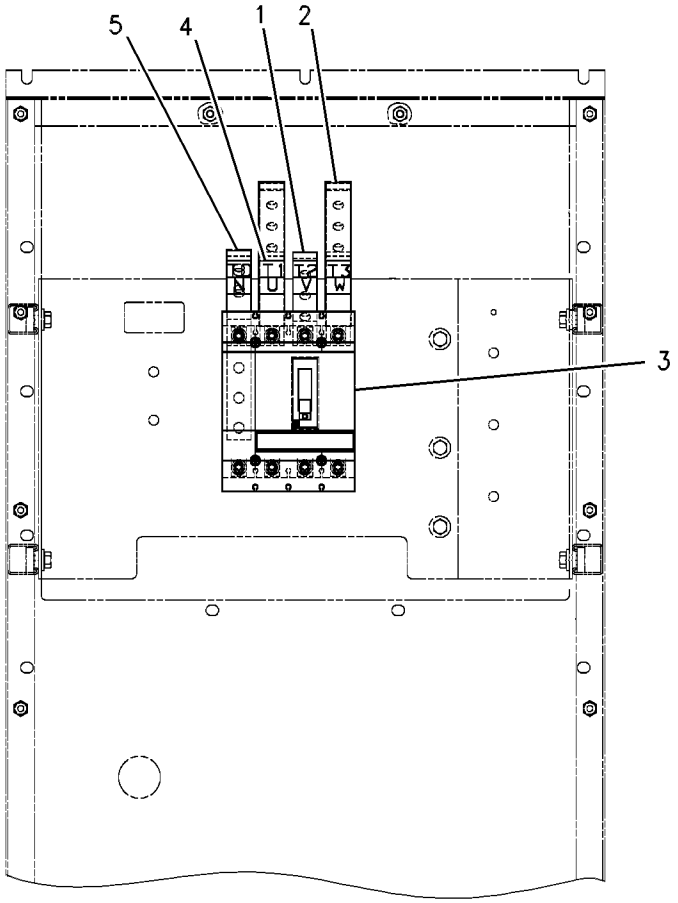
175-1335 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
200-250 AMPERE
FOR USE WITH 169-1860—PAGE 391, 129-5841—PAGE 535, 130-2572—PAGE 307
AN ATTACHMENT

SMCS-1420, 4461 **i01955294**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1842**	1	BAR	
	2	1	**169-1844**	2	BAR AS	
Y	3	1	**175-1337**	1	CIRCUIT BREAKER GP (200-250 AMPERE)	349
	4	1	**9Y-4275**	1	FILM (TERMINAL STRIP)	
	5	1	**169-1862**	1	BAR	

Y-SEPARATE ILLUSTRATION



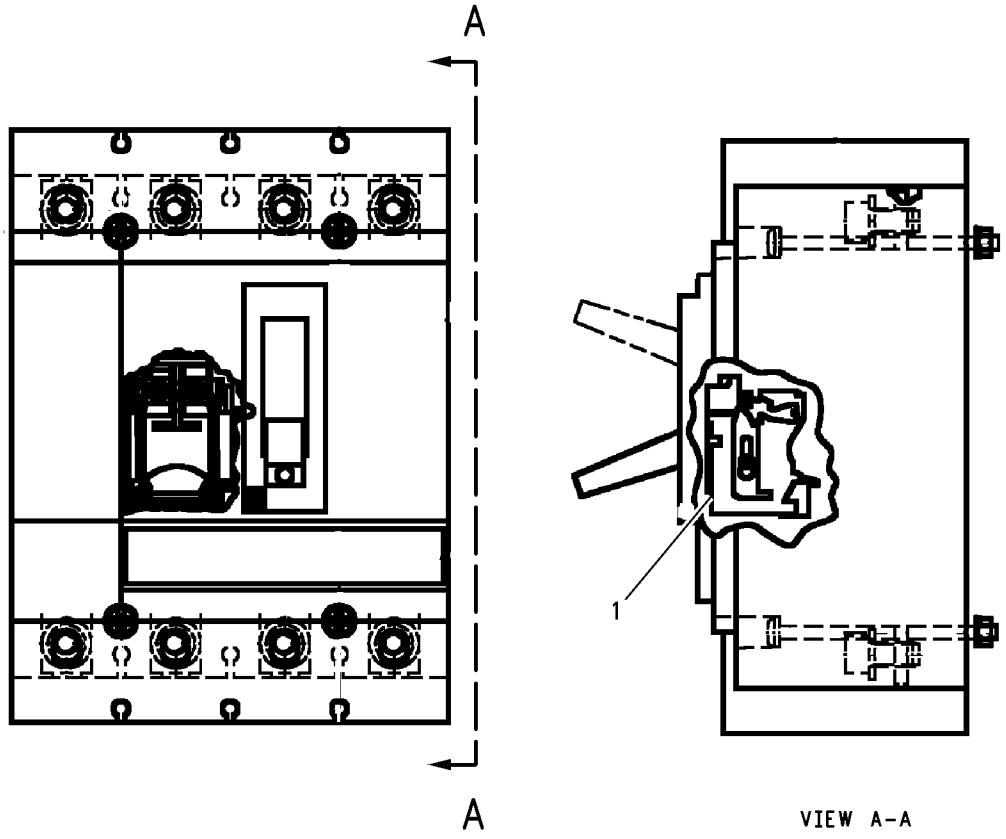
GRAPHIC #1 **<END>** g00648633

175-1337 CIRCUIT BREAKER GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
200-250 AMPERE
PART OF 175-1335 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461 **i01740352**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**143-6856**	1	SHUNT-TRIP	



VIEW A-A

GRAPHIC #1 **<END>** g00891262

ELECTRICAL AND STARTING SYSTEM

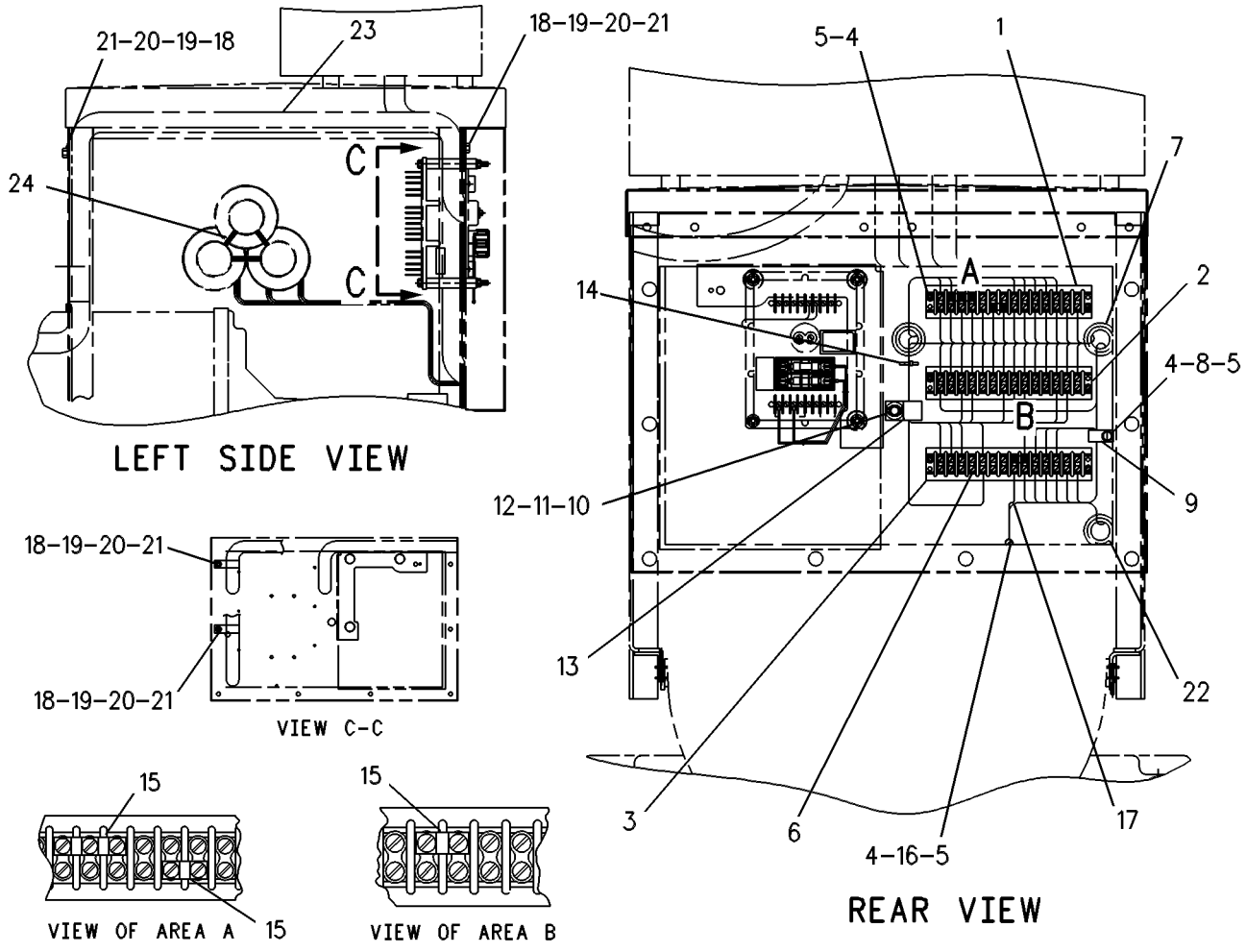
129-6803 CONNECTION GP-ELECTRICAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
FOR USE WITH PACKAGE GENSETS WITH EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-1408 **i01774952**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-4551**	1	STRIP-MARKER	
	2	1	**7C-4552**	1	STRIP-MARKER	
	3	1	**108-2780**	1	STRIP-MARKER	
	4	1	**6V-7978**	8	SCREW-MACHINE (10-32X0.375 IN)	
	5	1	**9S-5937**	8	LOCKNUT	
	6	1	**4D-1260**	3	STRIP AS-TERMINAL	
	7	1	**4D-3100**	1	GROMMET	
	8	1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**8J-1256**	1	CLIP	
	10	1	**4L-6454**	1	BOLT (3/8-16X1 IN)	
	11	1	**8T-4896**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	12	1	**6V-8801**	1	NUT (3/8-16 THD)	
	13	1	**3S-8664**	1	CLIP	
B	14	1	**3S-2093**	20	STRAP-CABLE	
	15	1	**5N-5159**	4	JUMPER-STRIP	
	16	1	**9F-8125**	1	LOCKWASHER	
	17	1	**7W-0922**	1	WIRE AS-STRAP	
	18	1	**8T-0023**	4	BOLT-HEAD LOCKING (5/16-18 X 1.0 IN)	
	19	1	**8T-4224**	4	WASHER-HARD (8.8X16X2MM THK)	
	20	1	**6V-8189**	4	NUT (5/16-18 THD)	
	21	1	**4S-4455**	4	CLIP	
	22	1	**7M-3361**	2	GROMMET	
BD	23	1	**6V-5817**		CONDUIT-FLEXIBLE	
	24	1	**6K-0806**	6	STRAP-CABLE	

B-USE AS REQUIRED
D-ORDER BY THE METER



GRAPHIC #1 **<END>** g00275961

130-7242 CONNECTION GP-ELECTRICAL

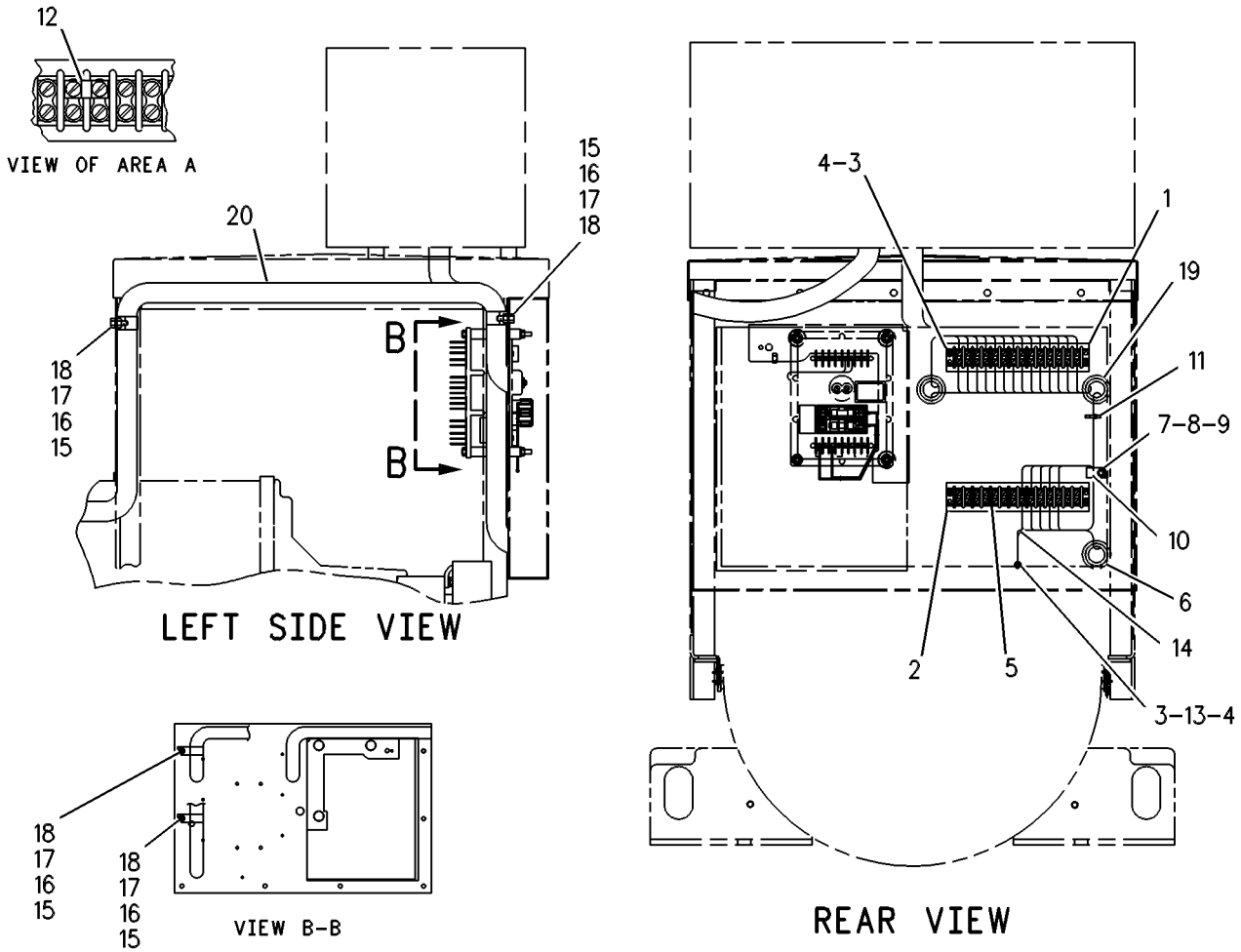
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

AN ATTACHMENT

SMCS-1408 **i01774954**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-8546**	1	STRIP-MARKER	
	2	1	**108-2780**	1	STRIP-MARKER	
	3	1	**030-1193**	5	SCREW-MACHINE (10-32X19.05MM)	
	4	1	**9S-5937**	5	LOCKNUT	
	5	1	**4D-1260**	2	STRIP AS-TERMINAL	
	6	1	**7M-3361**	2	GROMMET	
	7	1	**8T-8908**	1	BOLT (1/4-20X1 IN)	
	8	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**6V-8185**	1	NUT (1/4-20 THD)	
	10	1	**8J-1256**	1	CLIP	
B	11	1	**3S-2093**	20	STRAP-CABLE	
	12	1	**5N-5159**	1	JUMPER-STRIP	
	13	1	**9F-8125**	1	LOCKWASHER	
	14	1	**7W-0922**	1	WIRE AS-STRAP	
	15	1	**8T-0023**	4	BOLT-HEAD LOCKING (5/16-18 X 1.0 IN)	
	16	1	**8T-4224**	4	WASHER-HARD (8.8X16X2MM THK)	
	17	1	**6V-8189**	4	NUT (5/16-18 THD)	
	18	1	**7C-4354**	4	CLIP	
	19	1	**4D-3100**	1	GROMMET	
BD	20	1	**6V-5817**		CONDUIT-FLEXIBLE	

B-USE AS REQUIRED
D-ORDER BY THE METER



GRAPHIC #1 **<END>** g00260079

135-2823 CONNECTION GP-ELECTRICAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

FOR USE WITH CIRCUIT BREAKERS OR POWER TERMINAL STRIPS WHEN TWO ARE USED ON THE SAME GENERATOR

AN ATTACHMENT

SMCS-1408 **i00707397**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	8T-0192	8	BOLT (3/8-16X2.25IN)	
	6V-8801	8	NUT (3/8-16 THD)	
	5P-1075	16	WASHER-HARD (3MM THK)	

<END>

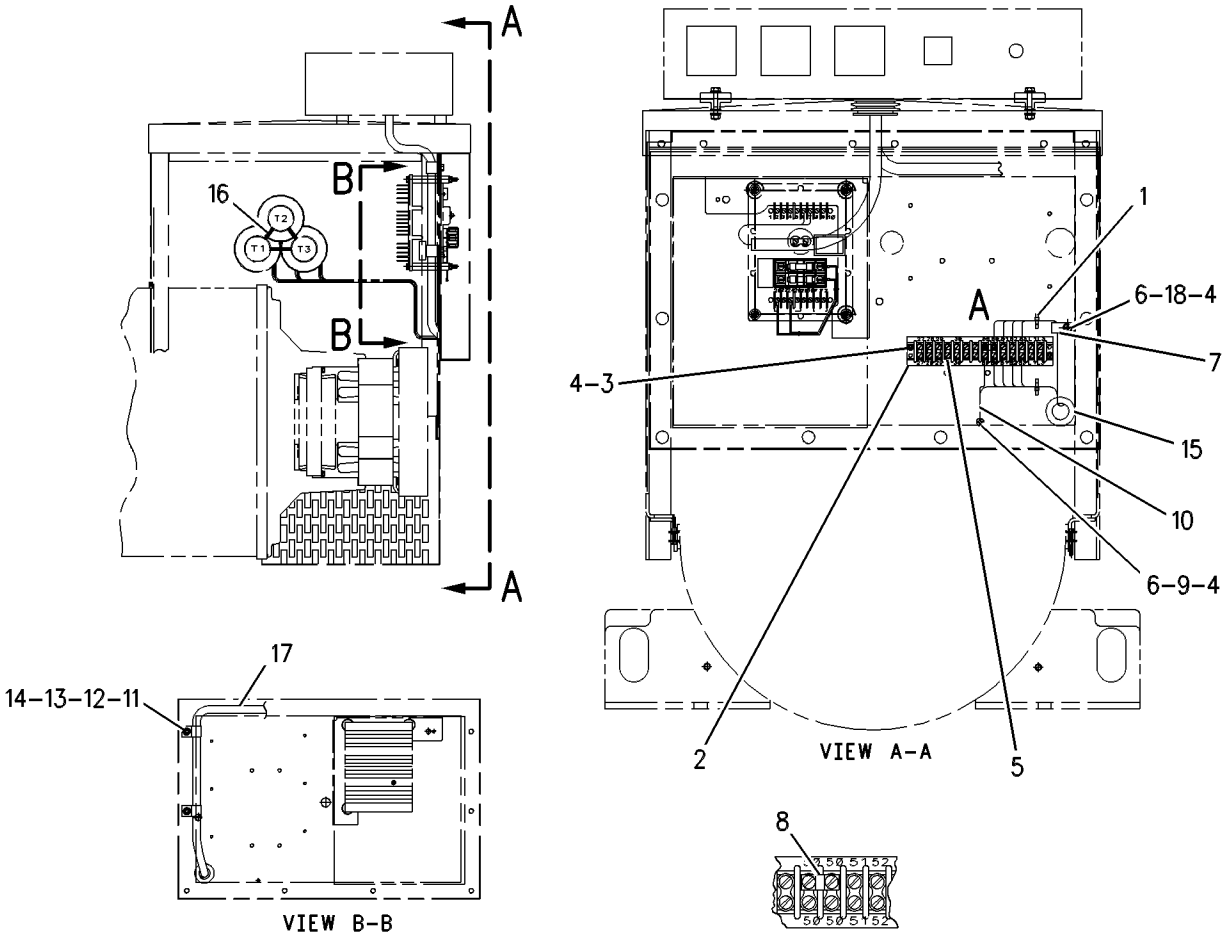
141-1767 CONNECTION GP-ELECTRICAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH PACKAGE GENSET WITH METER PANEL
AN ATTACHMENT

SMCS-1408 **i01774972**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**3S-2093**	10	STRAP-CABLE	
	2	1	**108-2780**	1	STRIP-MARKER	
	3	1	**6V-7978**	2	SCREW-MACHINE (10-32X0.375 IN)	
	4	1	**9S-5937**	4	LOCKNUT	
	5	1	**4D-1260**	1	STRIP AS-TERMINAL	
	6	1	**6J-4762**	2	SCREW (10-32X.625IN)	
	7	1	**8J-1256**	1	CLIP	
	8	1	**5N-5159**	1	JUMPER-STRIP	
	9	1	**9F-8125**	1	LOCKWASHER	
	10	1	**7W-0922**	1	WIRE AS-STRAP	
	11	1	**8T-0023**	2	BOLT-HEAD LOCKING (5/16-18 X 1.0 IN)	
	12	1	**8T-4224**	2	WASHER-HARD (8.8X16X2MM THK)	
	13	1	**6V-8189**	2	NUT (5/16-18 THD)	
	14	1	**3S-8664**	2	CLIP	
	15	1	**7M-3361**	1	GROMMET	
	16	1	**6K-0806**	6	STRAP-CABLE	
BD	17	1	**6V-5819**		CONDUIT-FLEXIBLE	
	18	1	**4B-4274**	2	WASHER (5.5X13X1.2MM THK)	

B-USE AS REQUIRED
D-ORDER BY THE METER



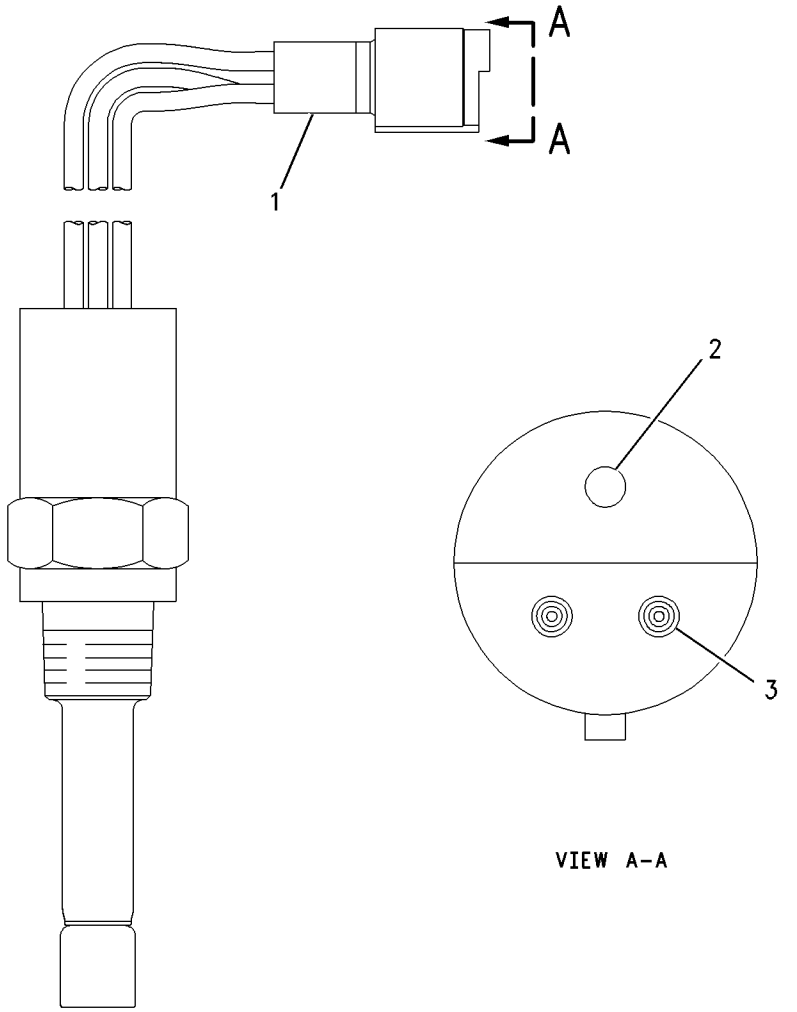
GRAPHIC #1 **<END>** g00291296

5N-8857 CONTACTOR AS-WATER TEMP

S/N: KPS1-UP
PART OF 7C-9368 CONTACTOR GP-ALARM
AN ATTACHMENT

SMCS-7417 **i01407286**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-7781**	1	HOUSING-RECEPTACLE	
	2	1	**7N-7779**	1	SOCKET-CONNECTOR	
	3	1	**7N-7780**	2	PIN-CONNECTOR (BLADE)	



GRAPHIC #1 **<END>** g00740706

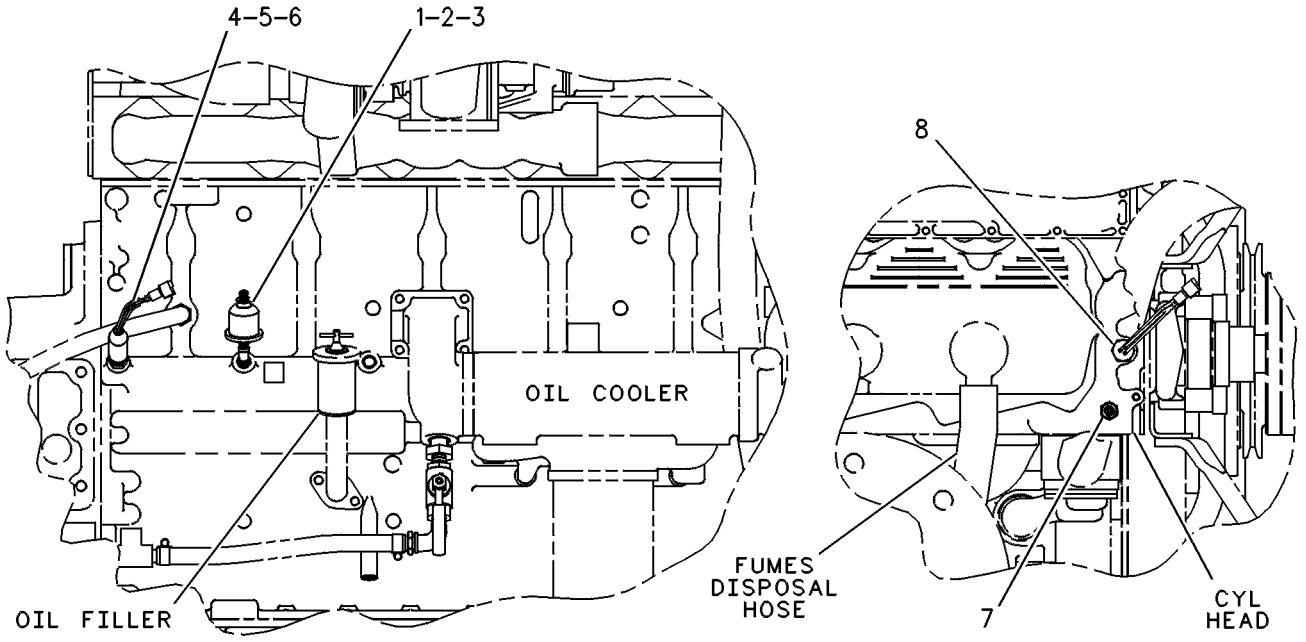
114-0863 CONTACTOR GP

S/N: KPS1-UP
OIL PRESSURE AND WATER TEMPERATURE
FOR USE WITH ELECTRO-MECHANICAL CONTROL PANEL. CANNOT BE USED WITH EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-1400, 7400 **i01133910**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3B-7721**	1	BUSHING-REDUCER	
	2	1	**030-2010**	1	SENDER AS (OIL PRESSURE)	
		1	**4B-2049**	1	NUT (10-32 THD)	
		1	**8F-1434**	1	LOCKWASHER (0.51MM THK)	
		1	**8T-0328**	1	WASHER-HARD (1MM THK)	
	3	1	**8L-5008**	1	ELBOW-PIPE	
	4	1	**5P-1404**	1	ADAPTER-O-RING	
	5	1	**9X-4276**	1	SWITCH AS-PRESSURE (OIL)	
		1	**7N-7779**	1	SOCKET	
		1	**7N-7780**	2	PIN-CONNECTOR (BLADE)	
		1	**7N-7781**	1	HOUSING-RECEPTACLE	
	6	1	**2M-9780**	1	SEAL-O-RING (19.18MM ID)	
	7	1	**6N-5926**	1	SENDER-TEMPERATURE (WATER)	
Y	8	1	*7C-9365*	1	SWITCH GP-TEMPERATURE (WATER)	445

Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW TOP VIEW

GRAPHIC #1 **<END>** g00239725

7C-9368 CONTACTOR GP-ALARM

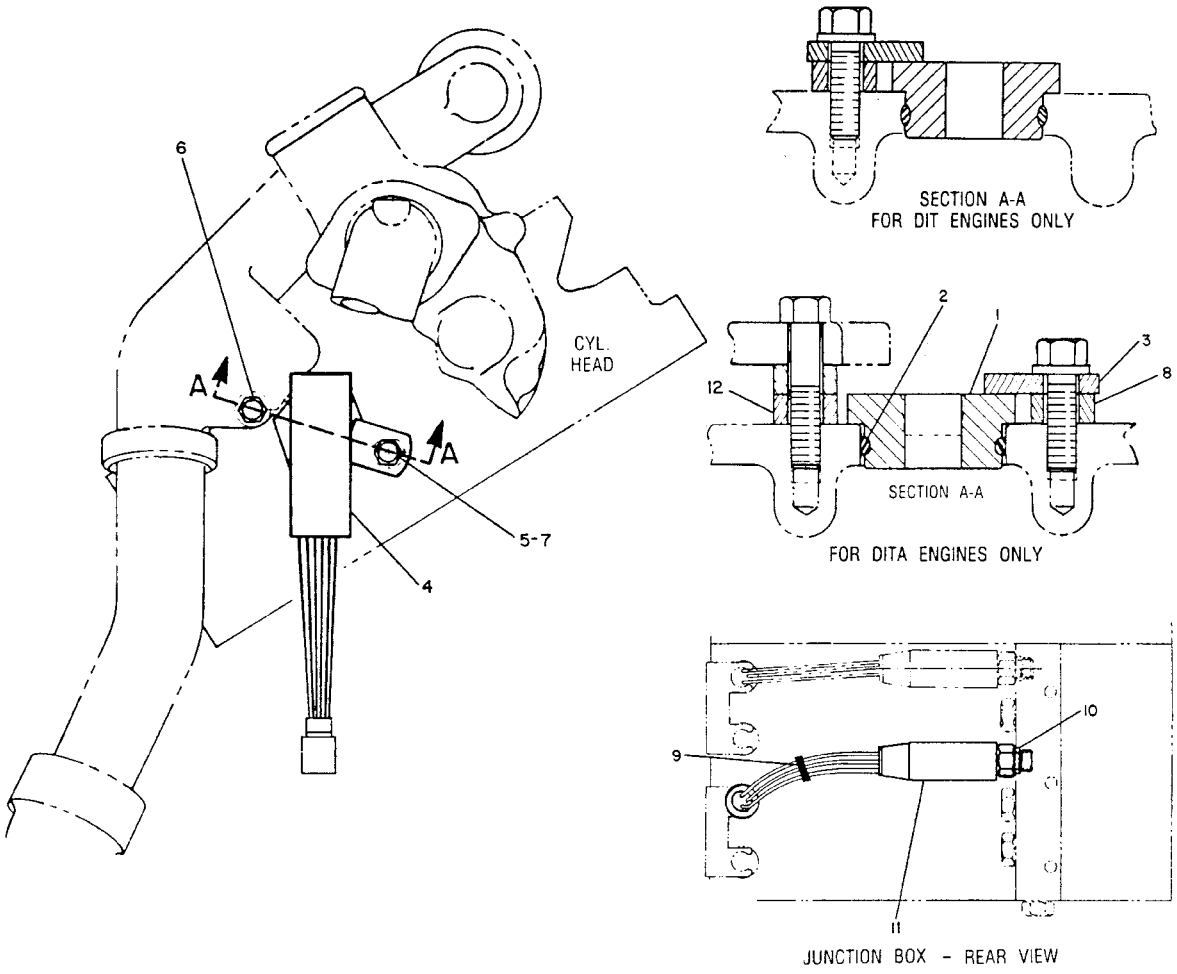
S/N: KPS1-UP

FOR USE WITH FOLDED CORE COOLING SYSTEM. CANNOT BE USED WITH EXPANSION TANK AN ATTACHMENT

SMCS-7400 **i01958297**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2967**	1	ADAPTER	
	2	1	**4J-0522**	1	SEAL-O-RING	
	3	1	**4K-8651**	1	TAB	
Y	4	1	**5N-8857**	1	CONTACTOR AS-WATER TEMP	357
	5	1	**9B-7237**	1	BOLT (3/8-16X1.25 IN)	
	6	1	**5S-7383**	1	BOLT (3/8-16X1.75 IN)	
	7	1	**8T-4896**	1	WASHER-HARD (10.2X18.5X2.5MM THK)	
	8	1	**6F-6405**	1	SPACER (.44X.75X.37 IN THK)	
	9	1	**8L-8413**	1	STRAP-CABLE	
	10	1	**3J-1907**	1	SEAL-O-RING	
	11	1	**6T-6652**	1	SWITCH AS-PRESSURE (ENGINE OIL)	
		1	**7N-7781**	1	HOUSING-RECEPTACLE	
		1	**7N-7779**	1	SOCKET-CONNECTOR	
		1	**7N-7780**	2	PIN-CONNECTOR	
B	12	1	**6F-6405**	2	SPACER (.44X.75X.37 IN THK)	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00190295

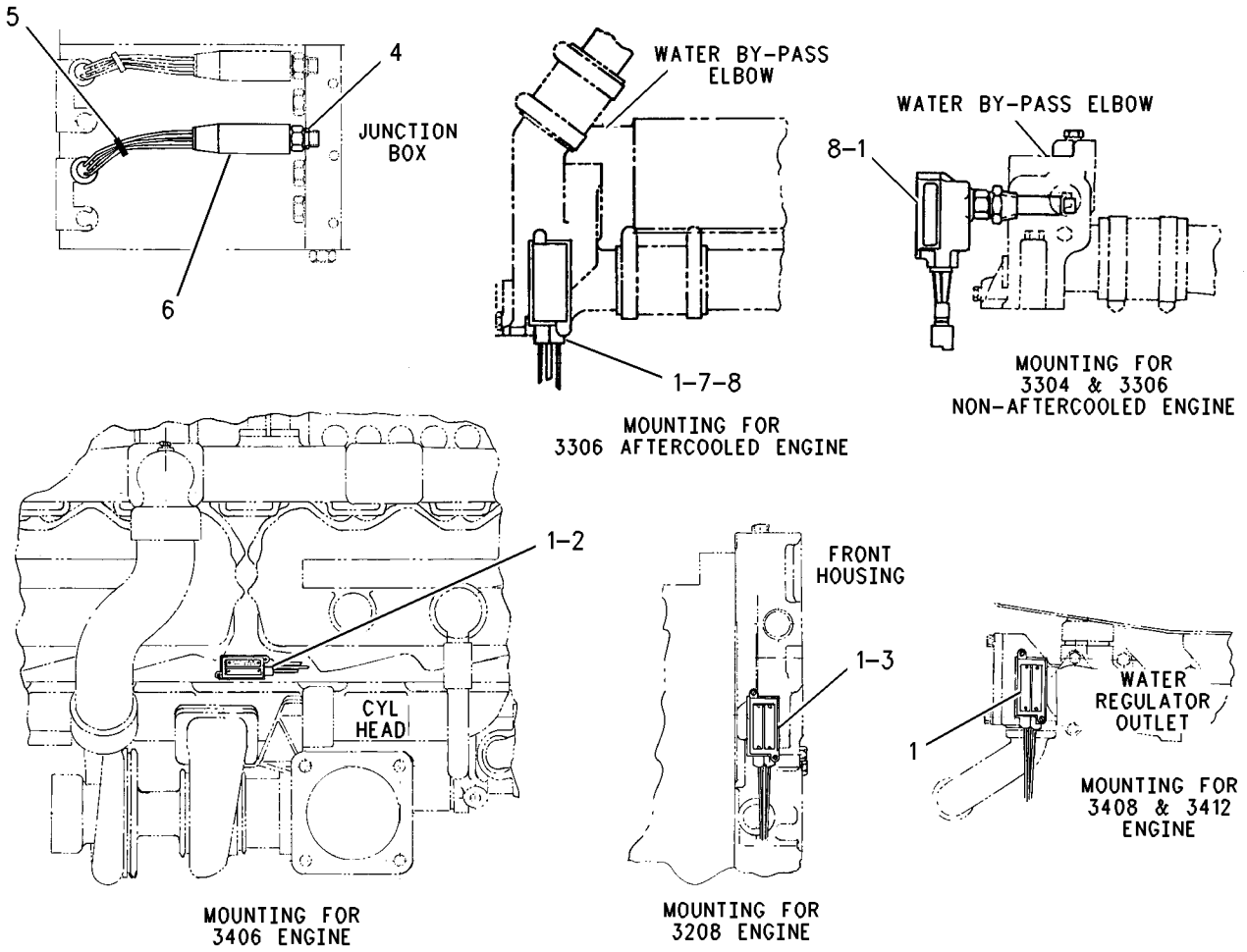
7W-5342 CONTACTOR GP-ALARM

S/N: KPS1-UP
FOR USE WITH EXPANSION TANK
AN ATTACHMENT

SMCS-7400 **i01908007**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CYJ	1	1	**2W-8916**	1	SWITCH AS-TEMPERATURE (ENGINE COOLANT)	439
	2	1	**6L-5652**	1	ADAPTER	
	3	1	**5B-4855**	1	BUSHING-REDUCER	
	4	1	**3J-1907**	1	SEAL-O-RING	
	5	1	**8L-8413**	1	STRAP-CABLE	
	6	1	**6T-6652**	1	SWITCH AS-PRESSURE (ENGINE OIL)	
		1	**7N-7781**	1	HOUSING-RECEPTACLE	
		1	**7N-7779**	1	SOCKET-CONNECTOR	
		1	**7N-7780**	2	PIN-CONNECTOR	
CJ	7	1	**012-8140**	1	BUSHING-TERMINAL	
C	8	1	**6L-5652**	1	ADAPTER	

C-CHANGE FROM PREVIOUS TYPE
J-PARTS REFERENCED IN MULTIPLE VIEWS
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00697693

145-5219 CONTROL GP-ENG RATINGS ELEK

S/N: KPS1-UP

CANNOT BE USED WITH ELECTRO-MECHANICAL PROTECTION SYSTEMS

AN ATTACHMENT

SMCS-1902 **i01914038**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**216-8684**	1	SENSOR GP-PRESSURE (ENGINE OIL)	409
Y	**102-0050**	1	SENSOR GP-TEMPERATURE (ENGINE COOLANT)	413
	3S-2093	4	STRAP-CABLE	

Y-SEPARATE ILLUSTRATION

<END>

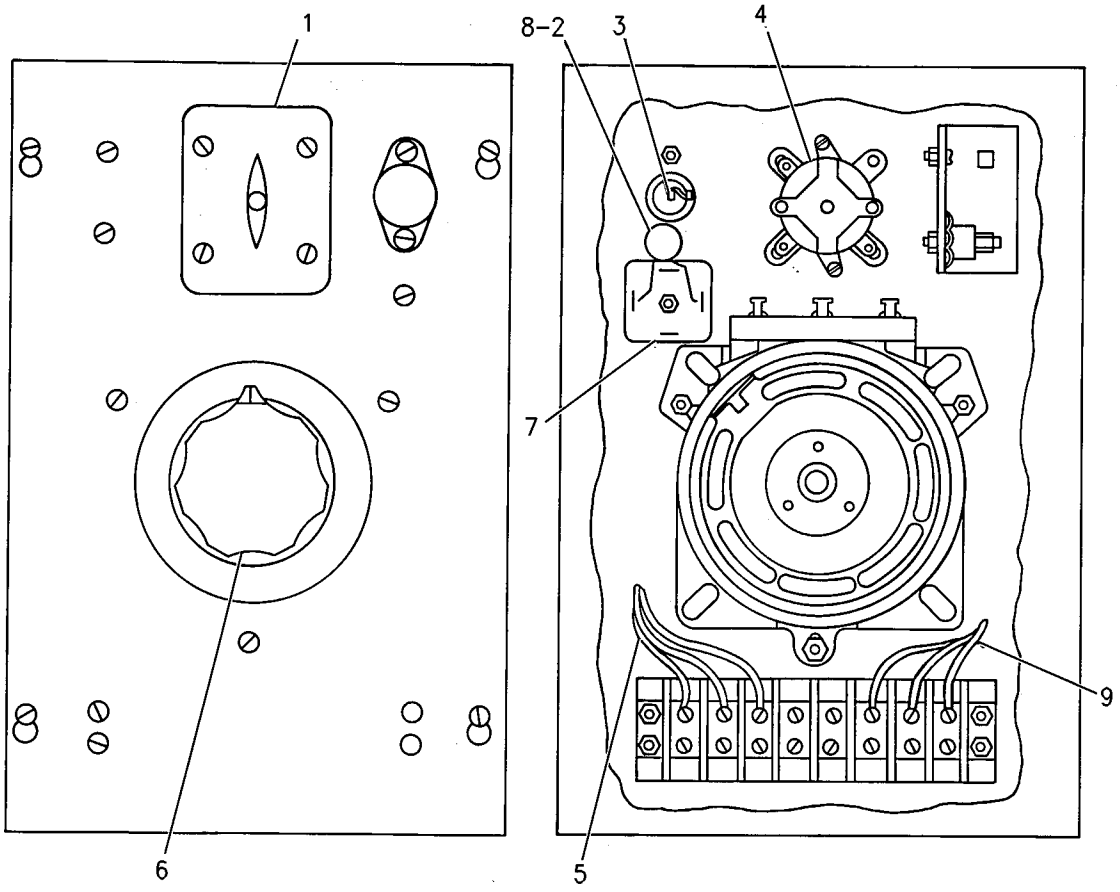
5N-0591 CONTROL GP-MANUAL VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH VR3 REGULATOR
AN ATTACHMENT

SMCS-4467 **i01971074**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-0605**	1	PLATE-SWITCH	
	2	1	**5N-0603**	1	VARISTOR AS	
	3	1	**5N-0610**	1	FUSE (12 AMP)	
	4	1	**5N-0612**	1	SWITCH (VOLTAGE CONTROL)(MAN/OFF/AUTO)	
	5	1	**5N-0606**	1	HARNESS AS (MANUAL VOLTAGE CONTROL)(NO. 2)	
	6	1	**5N-0613**	1	TRANSFORMER (VARIABLE)	
C	7	1	**5N-9107**	1	RECTIFIER	
C	8	1	**5N-9095**	1	HOLDER-FUSE	
C	9	1	**7W-7429**	1	HARNESS AS (MANUAL VOLTAGE CONTROL)(NO. 1)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00888388

7C-2700 CONTROL GP-MANUAL VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH VR3 REGULATOR
AN ATTACHMENT

SMCS-4467 **i01297441**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

229-4917 CONTROL GP-SOLENOID

S/N: KPS1-UP
FUEL CONTROL - ENERGIZE TO SHUTDOWN
AN ATTACHMENT

SMCS-1259 **i01825507**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	4W-8790	1	BLOCK-FUSE (20 AMPS)	
Y	**102-8619**	1	CONTROL GP-EMCP ELECTRONIC	461
	9Y-9782	1	FILM-IDENTIFICATION (10A DC FUSE)	
	3K-8782	1	FUSE (10 AMP)	
	185-7236	1	RELAY AS	

Y-SEPARATE ILLUSTRATION

<END>

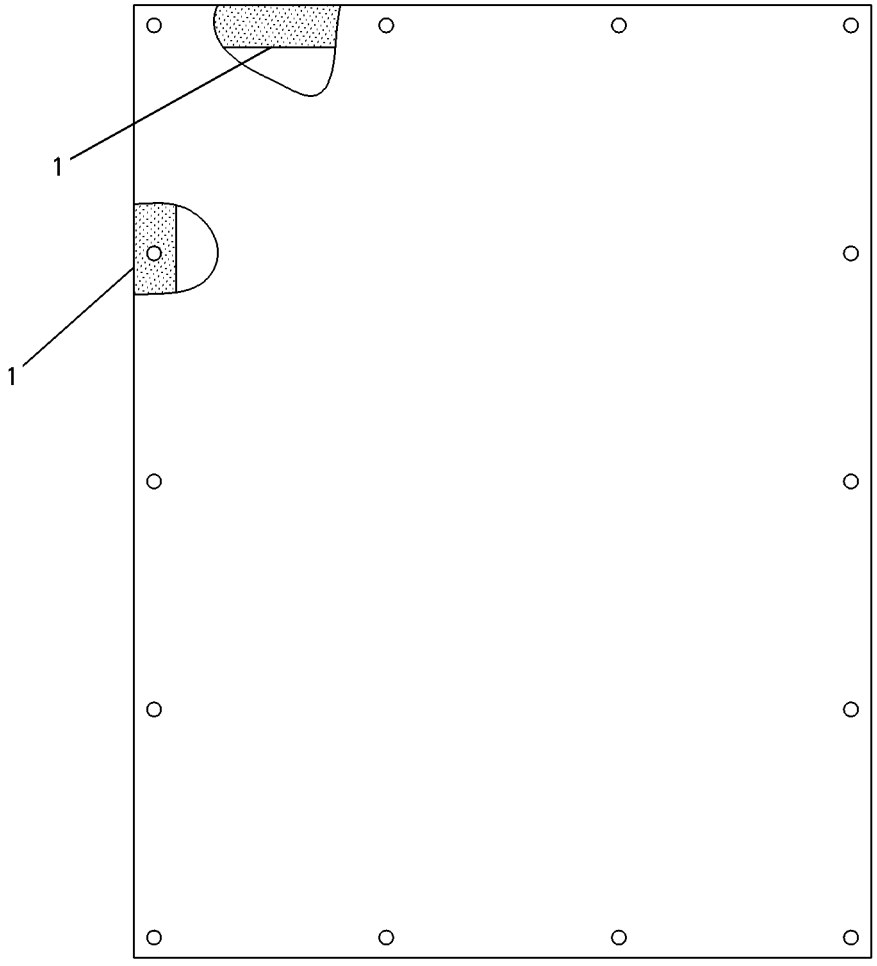
130-2568 COVER AS-EXTENSION BOX

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 222-5182, 222-5183 BOX GP-EXTENSION TERMINAL
AN ATTACHMENT

SMCS-4460 **i00706898**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
BE	1	1	**101-2863**		SEAL (287CM)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00234731

192-0276 COVER GP-CIRCUIT BREAKER

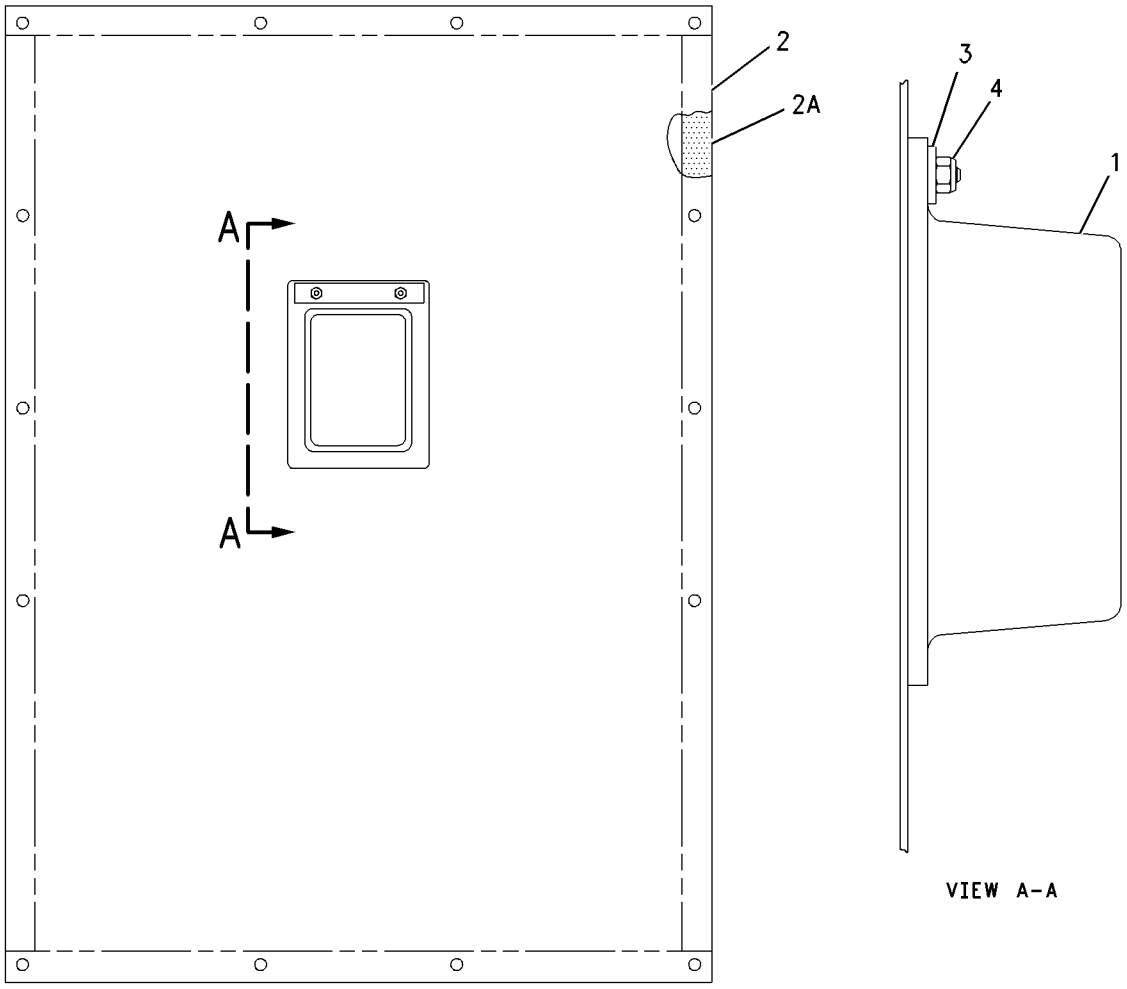
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

FOR USE WITH 130-2572–PAGE 307, 169-1850–PAGE 389, 169-1860–PAGE 391, 169-1828–PAGE 335, 169-1829–PAGE 336, 169-1830–PAGE 337, 169-1831–PAGE 338, 169-1832–PAGE 339, 169-1833–PAGE 340, 169-1834–PAGE 341, 175-1335–PAGE 348 AN ATTACHMENT

SMCS-1420, 4461 **i01394753**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-5721**	1	BOOT-CIRCUIT BREAKER	
	2	1	**192-0277**	1	COVER AS	
BE	2A	1	**101-2863**		SEAL	
	3	1	**4P-5718**	1	STRIP	
	4	1	**4L-1250**	2	NUT (10 X 32 THD)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



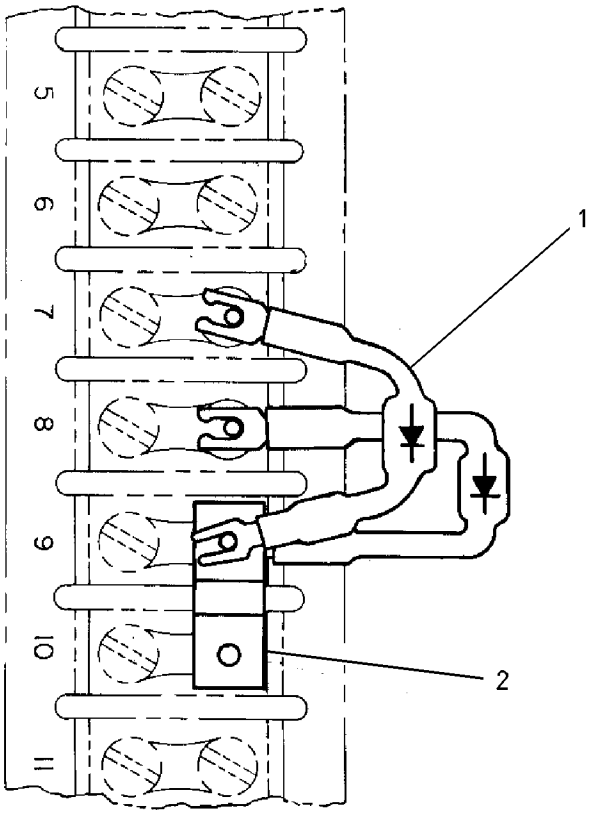
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7W-8052 DIODE GP

S/N: KPS1-UP
PART OF 7W-8001 BOX GP-JUNCTION
AN ATTACHMENT

SMCS-1408 **i01702639**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-4988**	2	DIODE AS (5 AMP)	
	2	1	**5N-5159**	1	JUMPER-STRIP	



JUNCTION BOX
TERMINAL STRIP

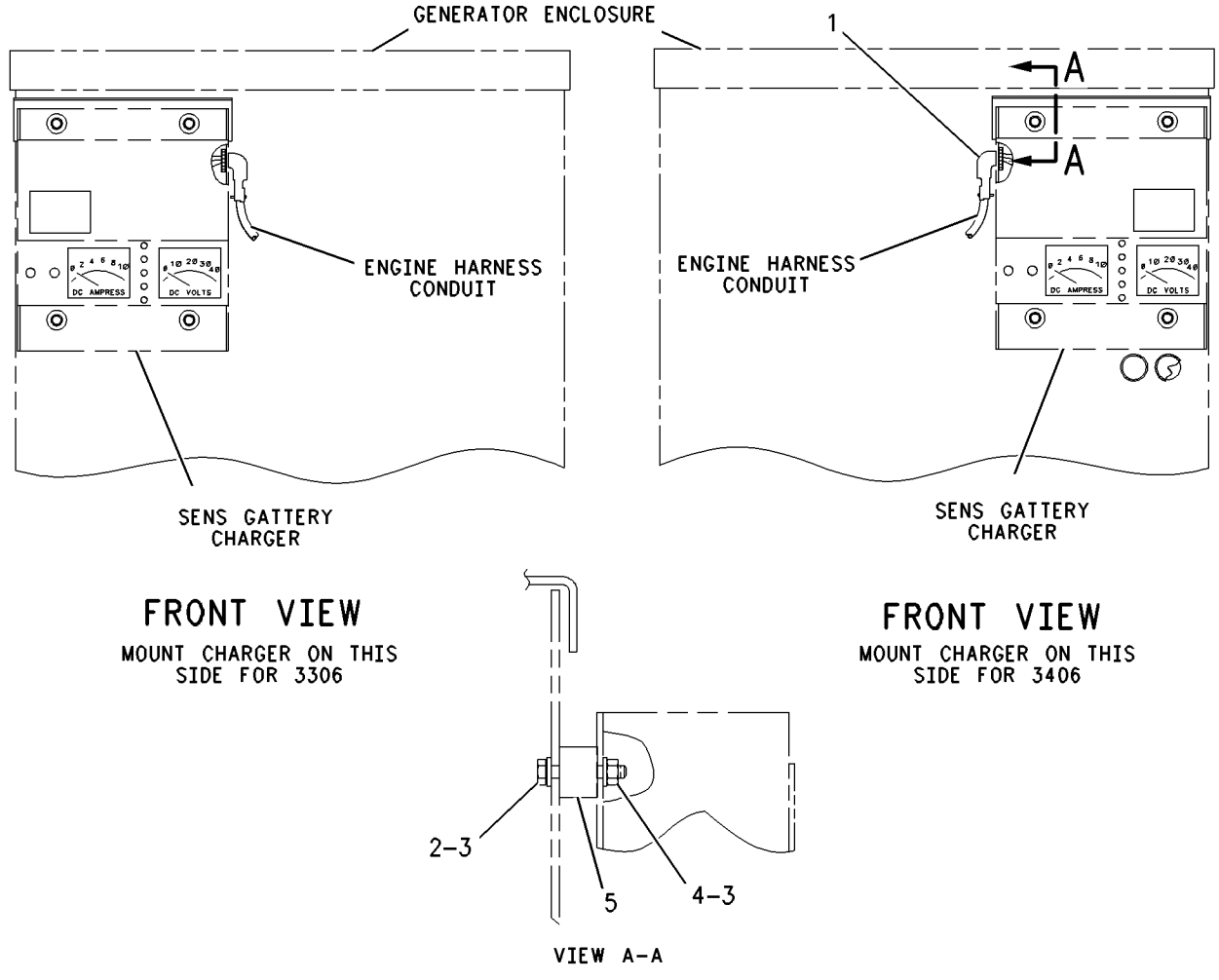
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111-6139 FASTENER GP-BATTERY CHARGER

S/N: KPS1-UP
REQUIRES A GENERATOR ENCLOSURE FOR MOUNTING
FOR USE WITH 111-6138–PAGE 301, 114-6486–PAGE 302
AN ATTACHMENT

SMCS-1406 **i01567586**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5F-1265**	1	CONNECTOR	
	2	1	**8T-8908**	4	BOLT (1/4-20X1 IN)	
	3	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2MM THK)	
	4	1	**6V-8185**	4	NUT (1/4-20 THD)	
	5	1	**104-6564**	4	MOUNT-SANDWICH	



GRAPHIC #1 **<END>** g00814310

130-1983 FASTENER GP-BATTERY CHARGER

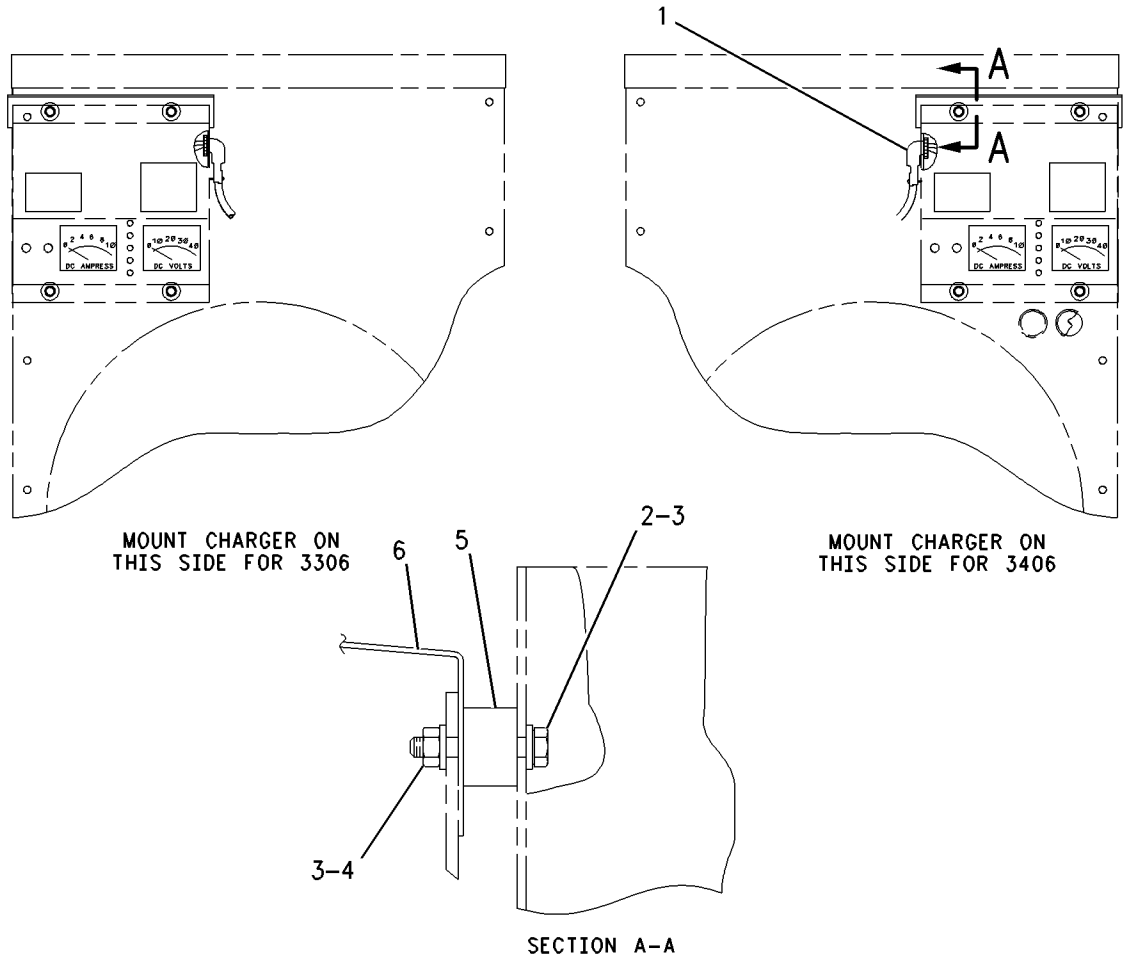
S/N: KPS1-UP

FOR USE WITH 10 AMPERE BATTERY CHARGER

AN ATTACHMENT

SMCS-1406 **i01551474**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5F-1265**	1	CONNECTOR	
	2	1	**5S-7349**	4	BOLT (1/4-20X0.5 IN)	
	3	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2MM THK)	
	4	1	**6V-8185**	4	NUT (1/4-20 THD)	
	5	1	**104-6564**	4	MOUNT-SANDWICH	
	6	1	**200-2358**	1	COVER	



GRAPHIC #1 **<END>** g00813840

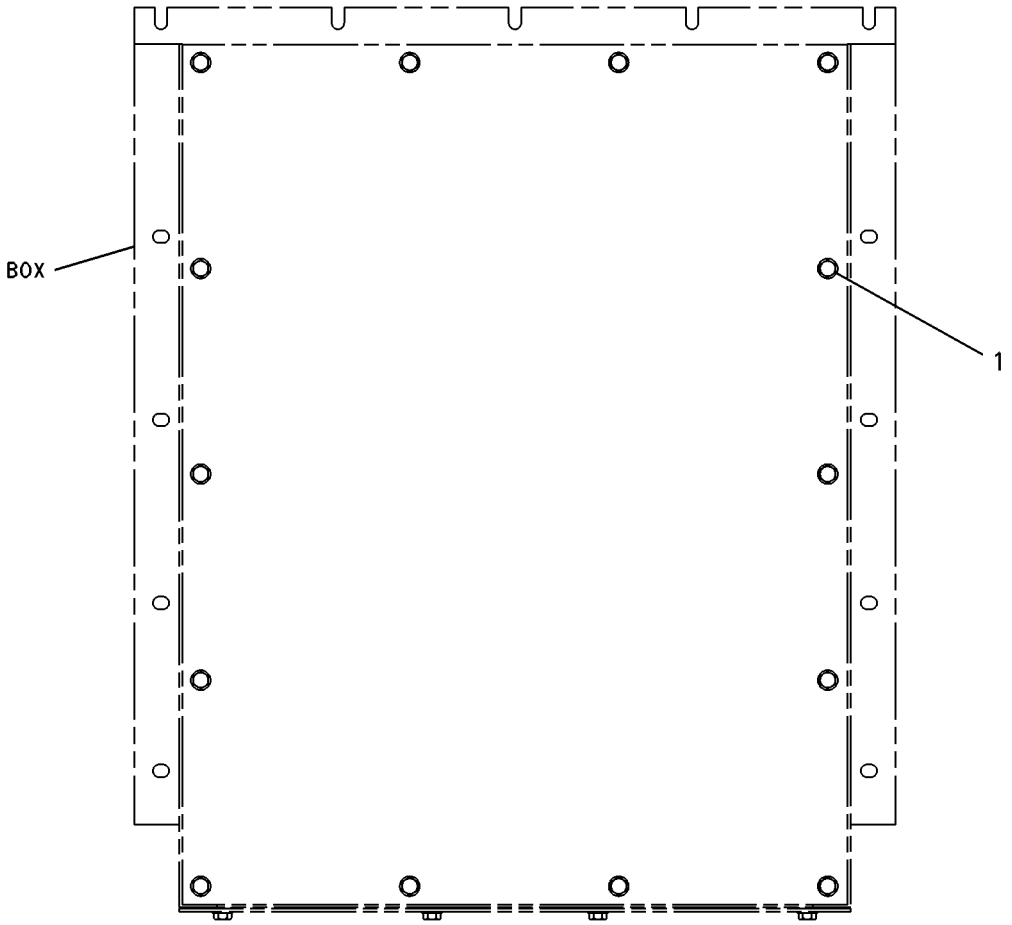
106-1771 FASTENER GP-EXTENSION BOX

S/N: KPS1-UP

AN ATTACHMENT

SMCS-4460 **i00637176**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**104-3045**	14	BOLT-FLANGE HEAD	



RIGHT SIDE VIEW

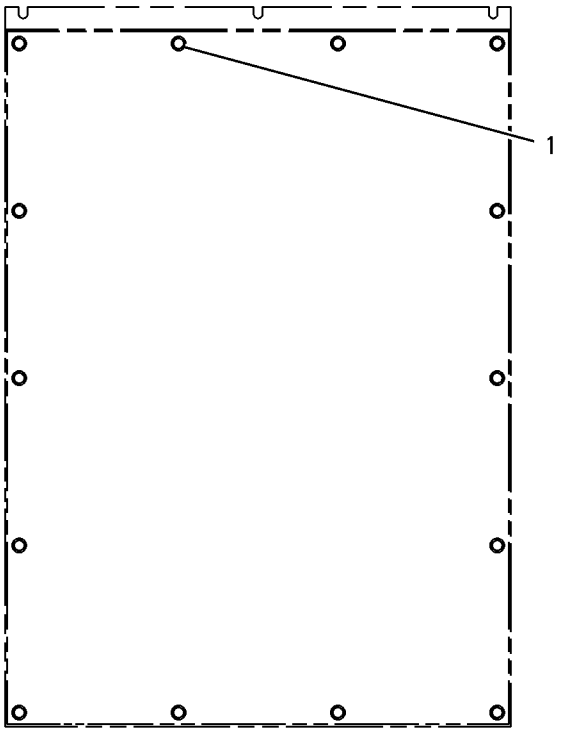
GRAPHIC #1 **<END>** g00234681

130-2569 FASTENER GP-EXTENSION BOX

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 222-5182, 222-5183, 222-5184, 222-5185, 222-5186 BOX GP-EXTENSION
TERMINAL
AN ATTACHMENT

SMCS-4460 **i00706901**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**104-3045**	14	BOLT-FLANGE HEAD	



GRAPHIC #1 **<END>** g00256300

7C-3491 FASTENER GP-WIRING HARNESS

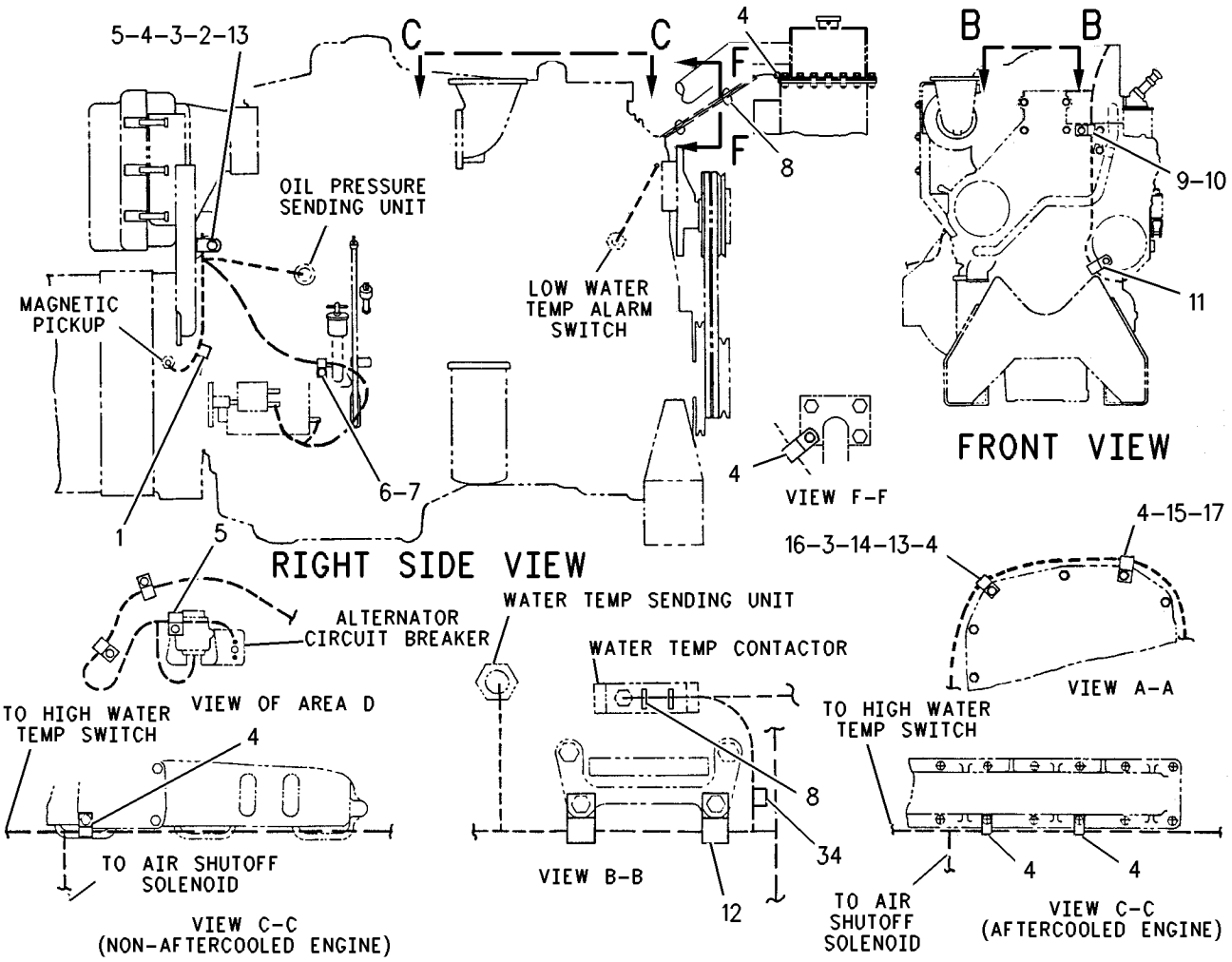
S/N: KPS1-UP

PART OF 219-3233 FASTENER GP-WIRING HARNESS, 103-1736 WIRING GP-PANEL AN ATTACHMENT

SMCS-1408 **i01444480**

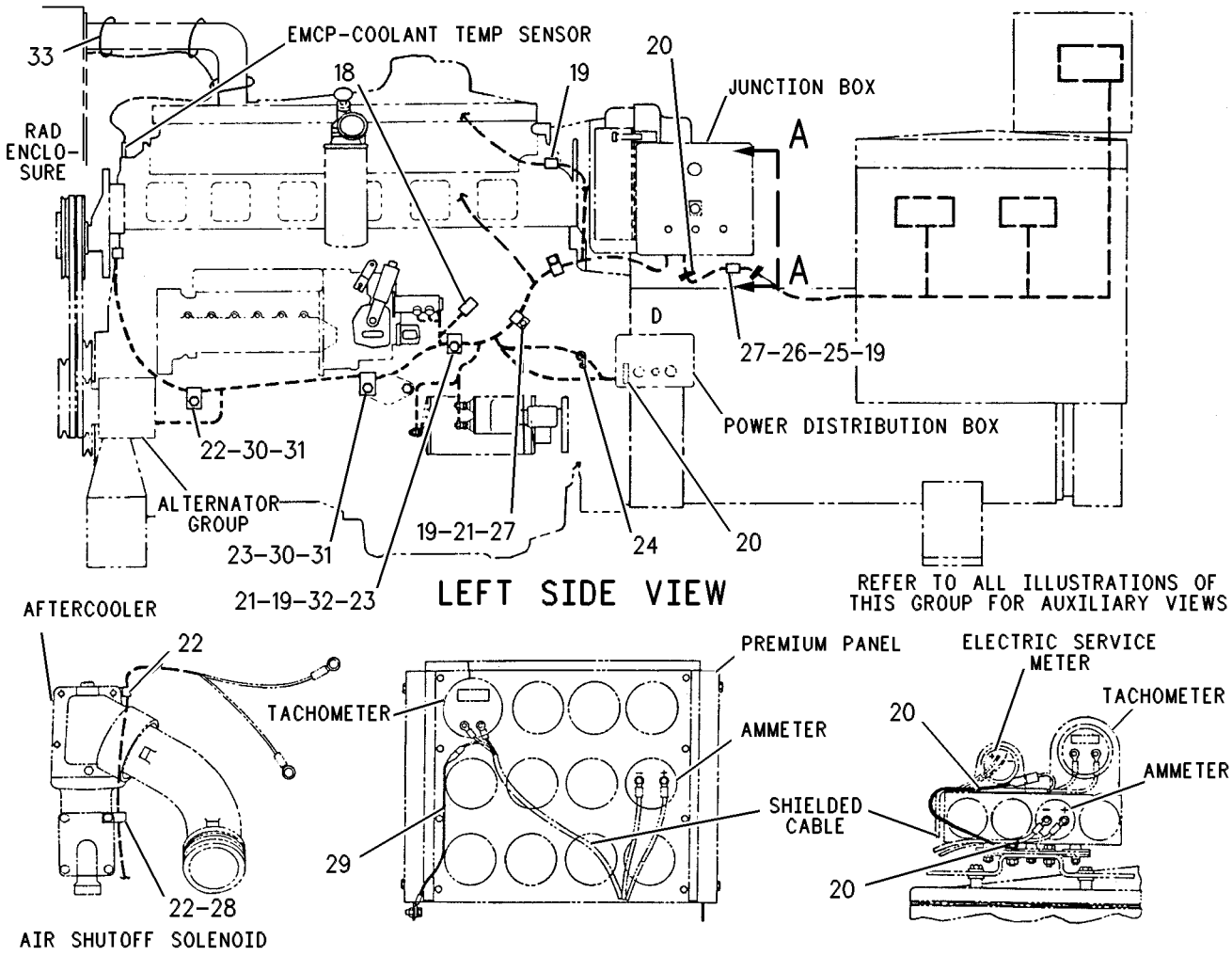
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**9G-9151**	1	CLIP	
	2	1	**5M-3062**	1	BOLT (3/8-16X0.75 IN)	
	3	1	**8T-4896**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
B	4	1	**8M-2773**	5	CLIP	
B	5	1	**7C-4354**	2	CLIP	
	6	1	**4S-4455**	1	CLIP	
B	7	1	**8T-2502**	1	BOLT (3/8-16X1.125 IN)	
B	8	1	**8L-8413**	3	STRAP-CABLE	
	9	1	**8M-2773**	1	CLIP	
	10	1	**7X-0290**	1	BOLT (3/8-16X3.50 IN)	
B	11	1	**7C-4354**	1	CLIP	
	12	1	**8M-2773**	2	CLIP	
B	13	1	**4S-4455**	2	CLIP	
	14	1	**5S-7383**	1	BOLT (3/8-16X1.75 IN)	
B	15	1	**5S-7383**	1	BOLT (3/8-16X1.75 IN)	
B		1	**8T-4896**	1	WASHER-HARD (10.2X18.5X2.5MM THK)	
	16	1	**7X-0575**	1	WASHER-HARD (10.2X22.5X5MM THK)	
B	17	1	**7X-0575**	1	WASHER-HARD (10.2X22.5X5MM THK)	
	18	2	**9G-9151**	1	CLIP	
	19	2	**8T-4896**	6	WASHER-HARD (10.2X18.5X2.5MM THK)	
	20	2	**3S-2093**	10	STRAP-CABLE	
	21	2	**5P-8167**	3	BOLT (3/8-16X0.625 IN)	
	22	2	**8M-2773**	3	CLIP	
	23	2	**7C-4354**	2	CLIP	
B	24	2	**4S-4455**	1	CLIP	
	25	2	**8T-2502**	1	BOLT (3/8-16X1.125 IN)	
	26	2	**6V-8801**	1	NUT (3/8-16 THD)	
	27	2	**4S-4455**	3	CLIP	
	28	2	**8T-8911**	1	BOLT (5/16-18X2 IN)	
		2	**8T-4224**	1	WASHER-HARD (8.8X16X2MM THK)	
B	29	2	**2W-0619**	1	WIRE AS	
	30	2	**4M-0061**	2	BOLT (5/16-18X.750 IN)	
	31	2	**8T-4224**	2	WASHER-HARD (8.8X16X2MM THK)	
	32	2	**4L-6454**	1	BOLT (3/8-16X1 IN)	
B	33	2	**7K-1181**	4	STRAP-CABLE	
	34	1	**9G-9153**	1	CLIP	

B-USE AS REQUIRED



GRAPHIC #1 g00756455

7C-3491 **FASTENER GP-WIRING HARNESS** ***(contd.)*** **i01444480**



GRAPHIC #2 **<END>** g00395641

219-3233 FASTENER GP-WIRING

S/N: KPS1-UP
FOR USE WITH CATERPILLAR CONTROLS
AN ATTACHMENT

SMCS-1408 **i01900248**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*7C-3491*	1	FASTENER GP-WIRING HARNESS	371
			S/N: KPS1-517	
Y	*233-3577*	1	FASTENER GP-WIRING HARNESS	375
			S/N: KPS518-UP	

Y-SEPARATE ILLUSTRATION

<END>

233-3577 FASTENER GP-WIRING HARNESS–HARNESS

S/N: KPS518-UP

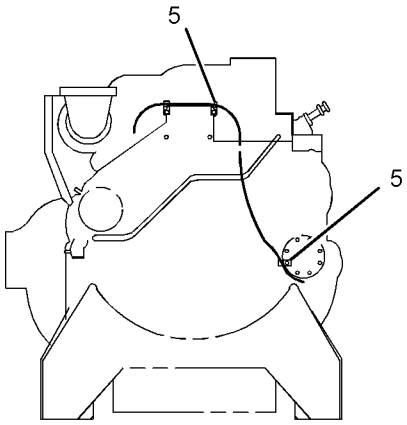
PART OF 219-3233 FASTENER GP-WIRING HARNESS

AN ATTACHMENT

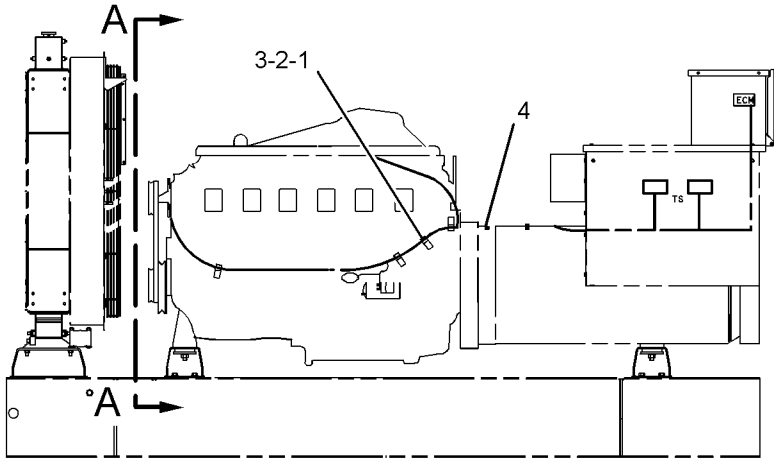
SMCS-1408 **i01955991**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4S-4455**	4	CLIP	
	2	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	3	1	**5S-7379**	4	BOLT (3/8-16X0.875 IN)	
B	4	1	**3S-2093**	16	STRAP-CABLE	
	5	1	**4P-8134**	3	CLIP	

B-USE AS REQUIRED



VIEW A-A



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01017116

222-0751 HARNESS AS

S/N: KPS1-UP
EMPCPII+
AN ATTACHMENT

SMCS-1408 **i01826012**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	155-2260	4	KIT-CONNECTING PLUG (3 PIN)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2270	3	KIT-CONNECTING PLUG (2 PIN)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2271	2	KIT-CONNECTING PLUG (4 PIN)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8802	2	KIT-RECEPTACLE (2 PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8803	6	KIT-RECEPTACLE (3 PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8804	2	KIT-RECEPTACLE (4 PIN)	
			INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8805	1	KIT-RECEPTACLE (6 PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	

<END>

222-5392 HARNESS AS

S/N: KPS1-UP
ENGINE COOLANT LOSS SENSOR
AN ATTACHMENT

SMCS-1408 **i01780160**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	155-2260	1	KIT-CONNECTING PLUG (3 PIN) (ENGINE COOLANT LOSS SENSOR)	
			(INCLUDES PLUG AS & WEDGE)	
	102-8803	1	KIT-RECEPTACLE (3 PIN) (ENGINE COOLANT LOSS SENSOR)	
			(INCLUDES RECEPTACLE AS & WEDGE)	

<END>

222-5393 HARNESS AS

S/N: KPS1-UP
BATTERY CHARGER
AN ATTACHMENT

SMCS-1408 **i01850929**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	102-8804	1	KIT-RECEPTACLE (4 PIN) (BATTERY CHARGER)	
			(INCLUDES RECEPTACLE AS & WEDGE)	

<END>

222-5395 HARNESS AS

S/N: KPS1-UP
FUEL RUPTURE BASIN
AN ATTACHMENT

SMCS-1408 **i01780162**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	155-2270	1	KIT-CONNECTING PLUG (2 PIN) (FUEL RUPTURE BASIN)	
			(INCLUDES PLUG AS & WEDGE)	
	102-8802	1	KIT-RECEPTACLE (2 PIN) (FUEL RUPTURE BASIN)	
			(INCLUDES RECEPTACLE AS & WEDGE)	

<END>

222-5396 HARNESS AS

S/N: KPS1-UP
FUEL LEVEL HIGH/LOW
AN ATTACHMENT

SMCS-1408 **i01780164**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	155-2270	1	KIT-CONNECTING PLUG (2 PIN) (LOW FUEL LEVEL)	
			(INCLUDES PLUG AS & WEDGE)	
	102-8802	1	KIT-RECEPTACLE (2 PIN) (HIGH FUEL LEVEL)	
			(INCLUDES RECEPTACLE AS & WEDGE)	
	102-8804	1	KIT-RECEPTACLE (4 PIN) (FUEL LEVEL HIGH/LOW)	
			(INCLUDES RECEPTACLE AS & WEDGE)	

<END>

222-5397 HARNESS AS

S/N: KPS1-UP
ELECTRONIC GOVERNOR ACTUATOR
AN ATTACHMENT

SMCS-1408 **i01780165**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	102-8803	1	KIT-RECEPTACLE (3 PIN) (ELECTRONIC GOVERNOR ACTUATOR)	
			(INCLUDES RECEPTACLE AS & WEDGE)	

<END>

222-5398 HARNESS AS

S/N: KPS1-UP
ELECTRONIC GOVERNOR ACTUATOR 2301A
AN ATTACHMENT

SMCS-1408 **i01974336**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	102-8803	1	KIT-RECEPTACLE (3 PIN) (ELEC GOVERNOR ACTUATOR HARNESS)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	

<END>

ELECTRICAL AND STARTING SYSTEM

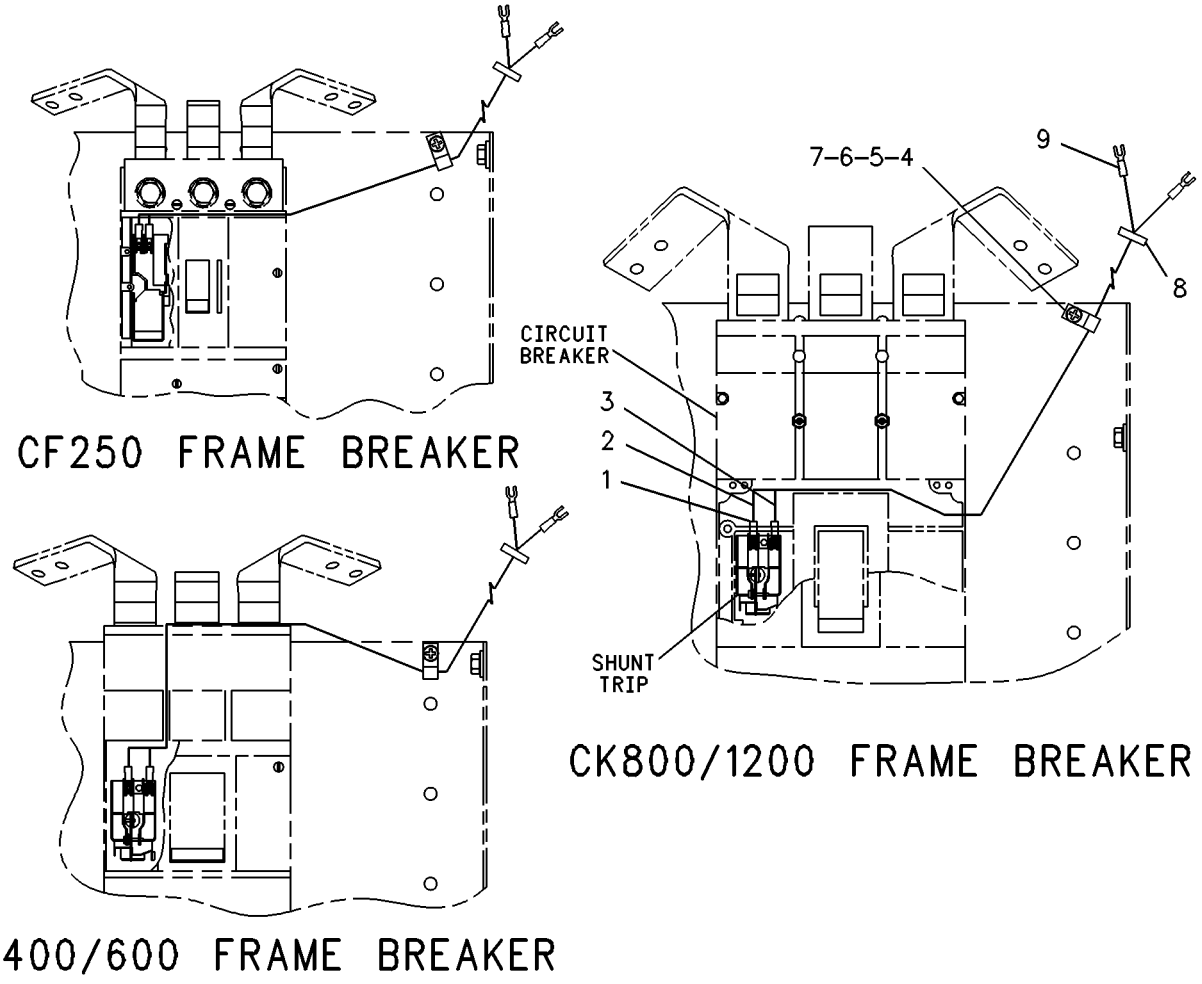
105-7185 HARNESS AS-PANEL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
SHUNT TRIP
AN ATTACHMENT

SMCS-1408, 7451 **i01373468**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**109-3038**	2	END-WIRE (16 AWG)	
E	2	1	**5P-0651**		WIRE-ELECTRICAL (190CM)	
BE	3	1	**5P-5623**		WIRE (16 GA)	
	4	1	**8M-2771**	1	CLIP	
	5	1	**4B-4274**	1	WASHER (5.5X13X1.2MM THK)	
	6	1	**6J-4762**	1	SCREW	
	7	1	**9S-5937**	1	LOCKNUT	
B	8	1	**8L-8413**	6	STRAP-CABLE (1.12IN DIA)	
	9	1	**5P-1476**	2	TERMINAL (BLADE)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00234686

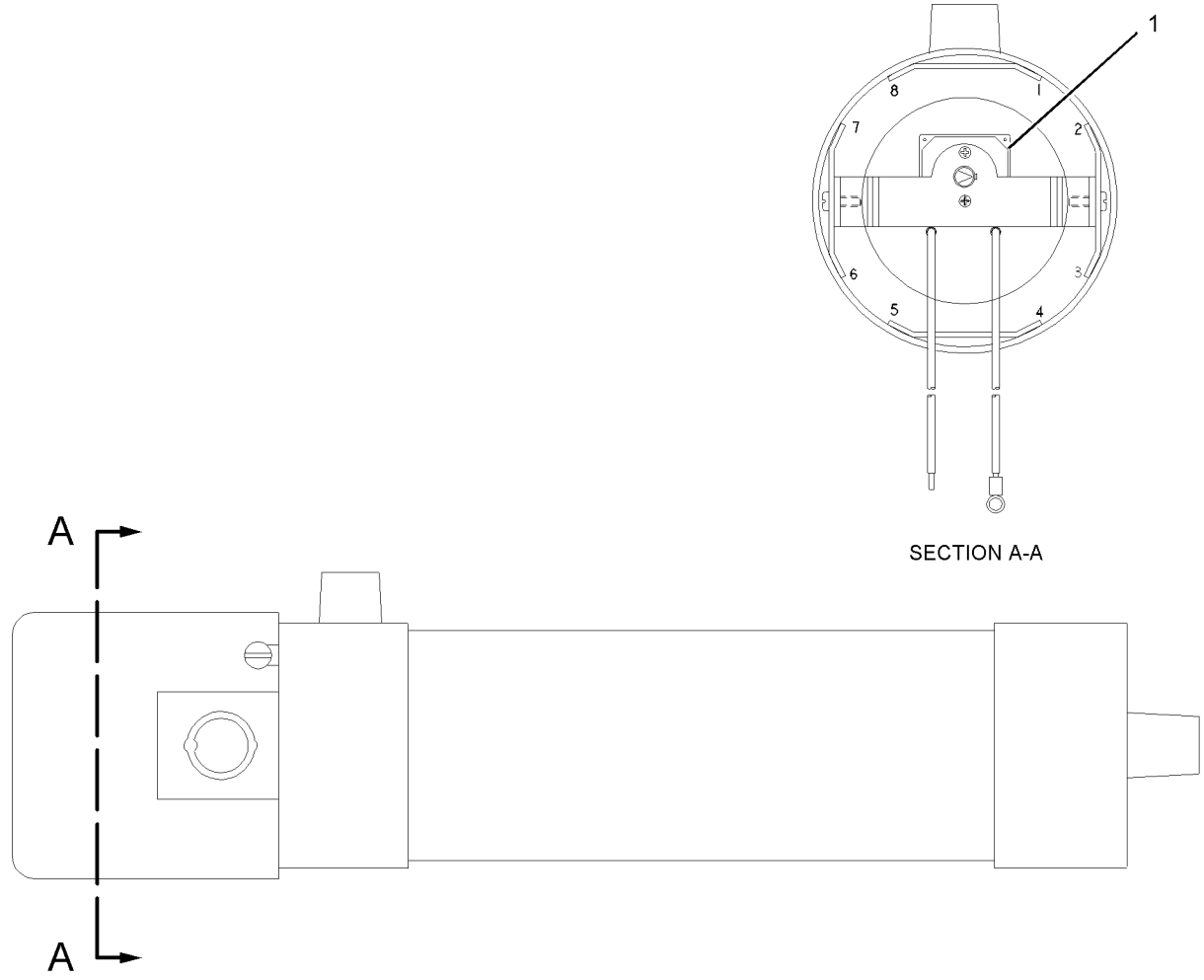
7E-6247 HEATER GP-JACKET WATER

S/N: KPS1-UP
3 KW - 120/240 VOLT
PART OF 220-4135 HEATER GP-JACKET WATER
AN ATTACHMENT

SMCS-1383 **i01939958**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**127-6260**	1	THERMOSTAT AS (JACKET WATER HEATER) (20 TO 80 DEGREE C)	

C-CHANGE FROM PREVIOUS TYPE



SECTION A-A

GRAPHIC #1

<END>

g01010257

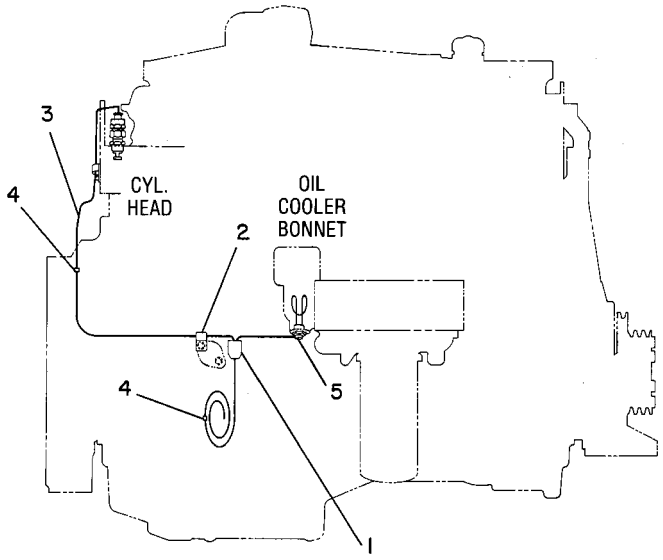
9Y-1867 HEATER GP-JACKET WATER

S/N: KPS1-UP
115/120 VOLT
AN ATTACHMENT

SMCS-1383 **i00706861**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-1901**	1	CORD AS	
	2	1	**8M-2773**	2	CLIP (17.46MM ID)	
BE	3	1	**6V-5819**		CONDUIT-FLEXIBLE (12.7MM ID)	
	4	1	**8L-8413**	2	STRAP-CABLE (1.12IN DIA)	
	5	1	**9Y-1900**	1	HEATER-JACKET WATER	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00195216

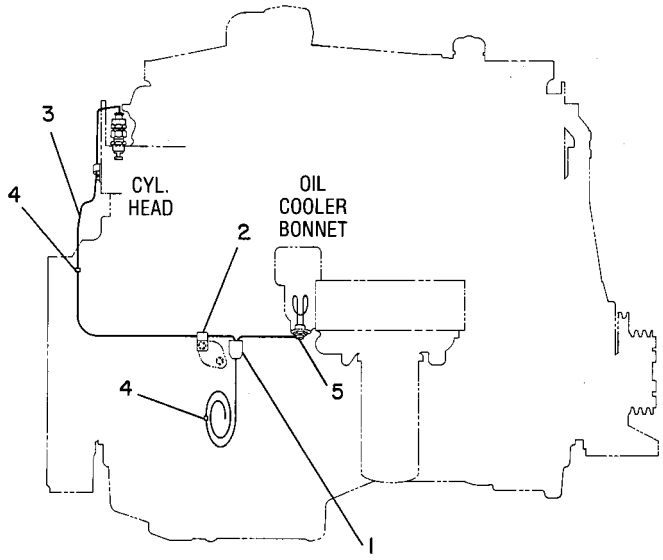
9Y-2995 HEATER GP-JACKET WATER

S/N: KPS1-UP
230/240 VOLT
AN ATTACHMENT

SMCS-1383 **i00706870**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-1901**	1	CORD AS	
	2	1	**8M-2773**	2	CLIP (17.46MM ID)	
BE	3	1	**6V-5819**		CONDUIT-FLEXIBLE (12.7MM ID)	
	4	1	**8L-8413**	2	STRAP-CABLE (1.12IN DIA)	
	5	1	**9Y-2239**	1	HEATER-JACKET WATER	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00195216

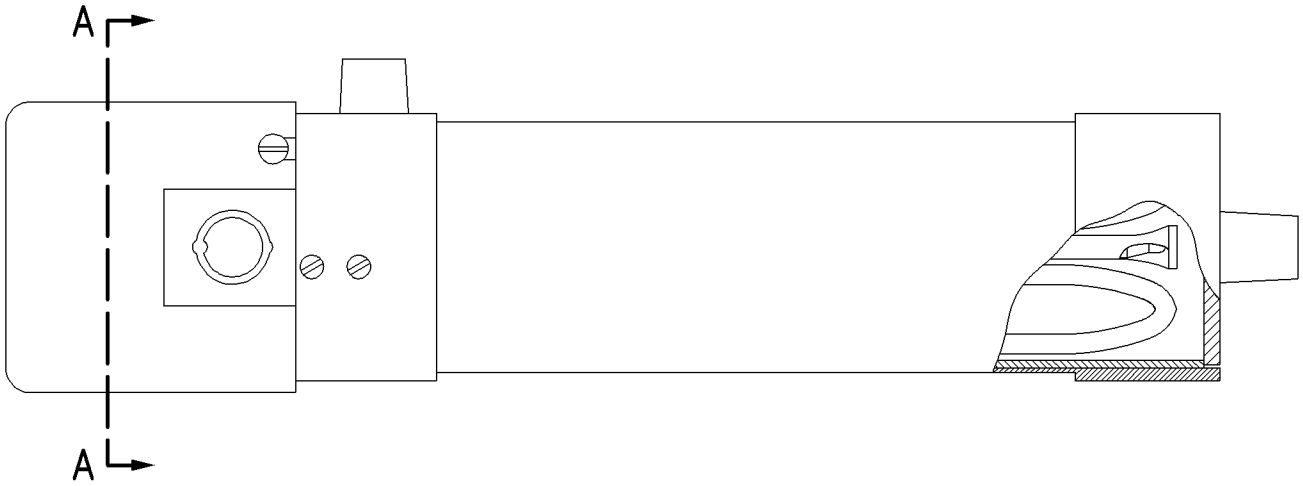
220-4135 HEATER GP-JACKET WATER

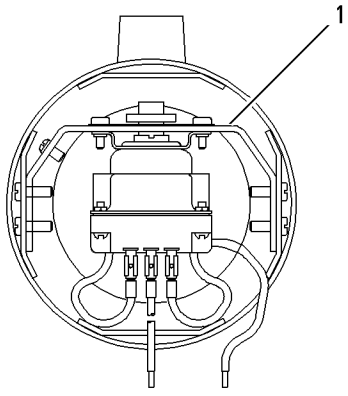
S/N: KPS1-UP
120 VOLT AC
AN ATTACHMENT

SMCS-1383 **i01731642**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**7E-6247**	1	HEATER GP-JACKET WATER	380

Y-SEPARATE ILLUSTRATION





SECTION A-A

GRAPHIC #1 **<END>** g00759248

9Y-6496 MODULE GP-INTERFACE

S/N: KPS1-UP

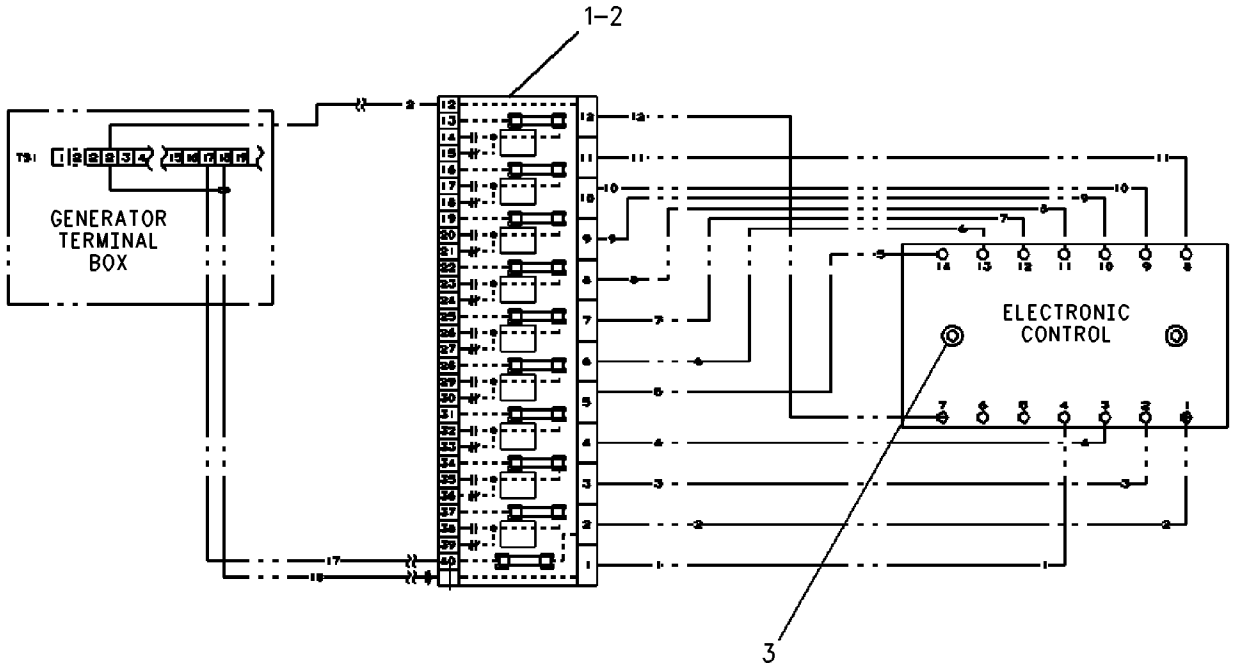
ELECTRONIC MODULAR CONTROL PANEL CUSTOMER INTERFACE MODULE KIT

AN ATTACHMENT

SMCS-7600 **i01423200**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-6497**	1	MODULE GP-RELAY DRIVER	
E		1	**6V-1075**		TRACK-RELAY (34CM)	
		1	**8K-4644**	10	FUSE (1 AMP)	
	2	1	**6V-2687**	2	SCREW-PAN HEAD (10-24X1IN)	
Y	3	1	**9X-0203**	1	MODULE GP-RELAY DRIVER	482

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00681384

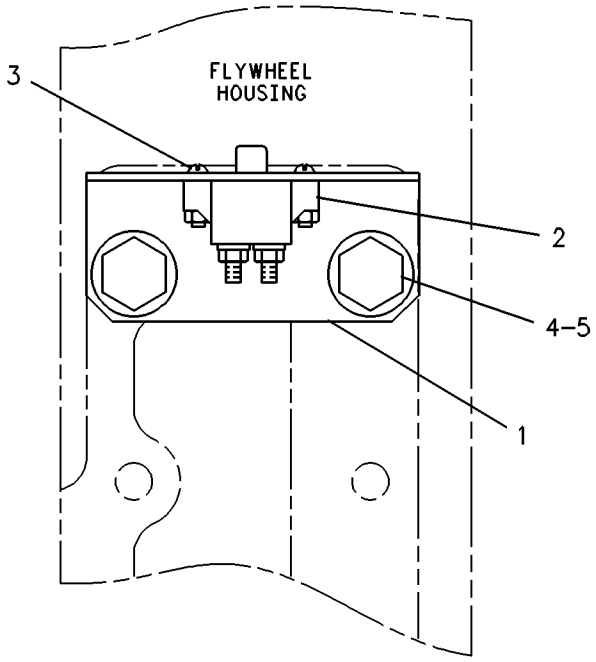
103-7284 MOUNTING GP-CIRCUIT BREAKER

S/N: KPS1-UP

FOR USE WITH CHARGING ALTERNATOR ON PKGD GENSETS WHICH UTILIZE AN EMCP II CONTROL PANEL. CANNOT BE USED WITH SWITCHGEAR CONVERSION AN ATTACHMENT

SMCS-1420, 4461 **i01696032**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**103-7288**	1	PLATE AS	
		1	**2A-0047**	2	WASHER	
	2	1	**6T-3645**	1	CIRCUIT BREAKER (60 AMP)	
	3	1	**5M-6668**	2	SCREW-MACHINE (8-32X.75IN)	
	4	1	**7X-0347**	2	BOLT (5/8-11X2.25 IN)	
	5	1	**8T-4122**	2	WASHER-HARD (17X32X3.5MM THK)	



GRAPHIC #1 **<END>** g00233169

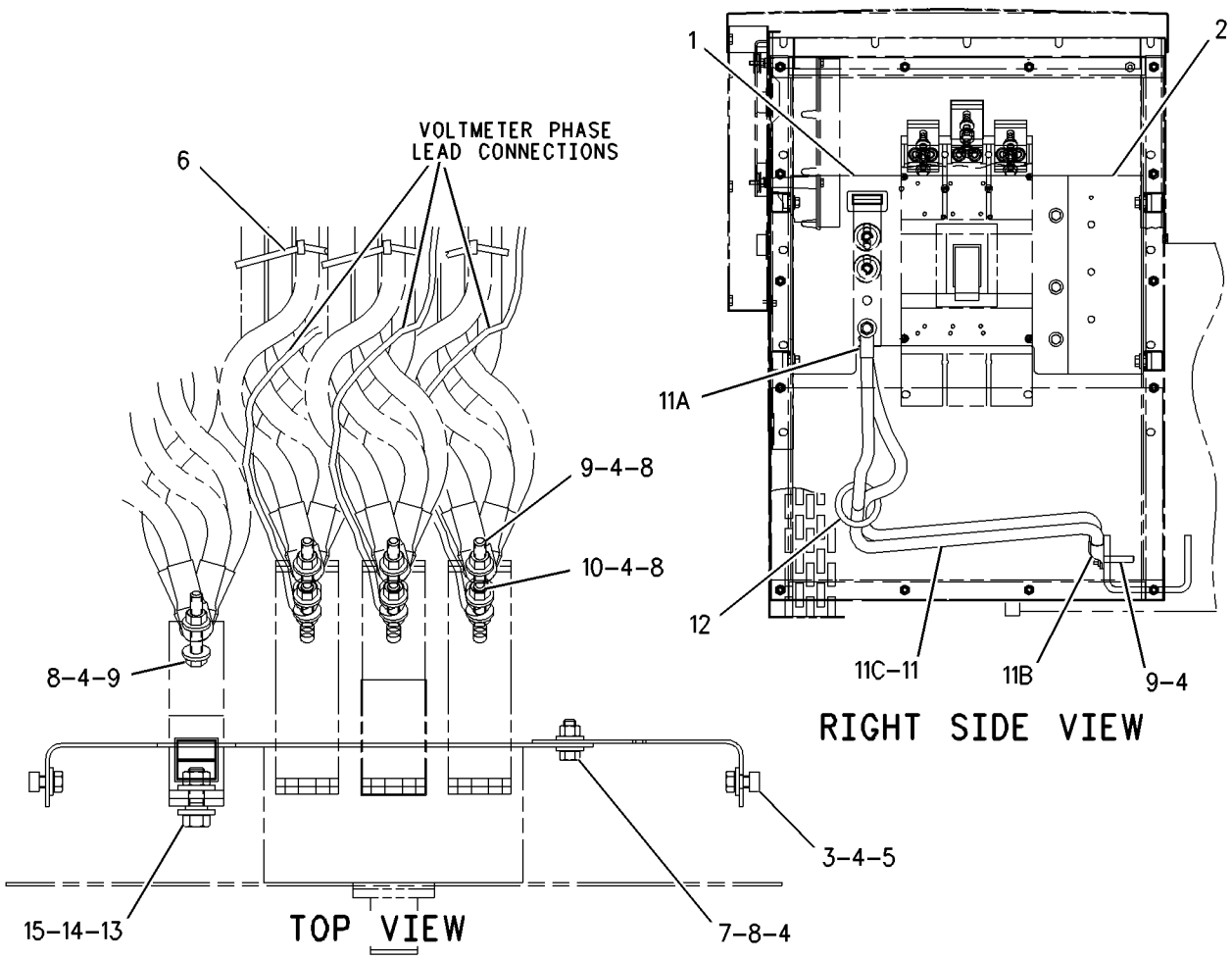
130-1968 MOUNTING GP-CIRCUIT BREAKER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
THREE POLE, 700-1200 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01955704**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*130-1966*	1	BRACKET	
	2	1	*130-1967*	1	BRACKET	
	3	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	4	1	**5P-1075**	26	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
B	6	1	**7K-1181**	3	STRAP-CABLE	
	7	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	8	1	**6V-8801**	11	NUT (3/8-16 THD)	
	9	1	**8T-0192**	6	BOLT (3/8-16X2.25 IN)	
	10	1	**9B-7237**	3	BOLT (3/8-16X1.25 IN)	
	11	1	**132-6790**	1	CABLE AS	
	11A	1	**5P-2600**	1	RING-TERMINAL (FOR 1/2IN BOLT)	
	11B	1	**035-0425**	1	RING-TERMINAL (FOR 3/8IN BOLT)	
E	11C	1	**188-3111**		CABLE (000 GA) (122 CM)	
	12	1	**2S-1647**	1	GROMMET	
	13	1	**8T-8919**	1	BOLT (1/2-13X1.75 IN)	
	14	1	**5P-1076**	2	WASHER-HARD (13.5X30X4MM THK)	
	15	1	**6V-8188**	1	NUT (1/2-13 THD)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00807015

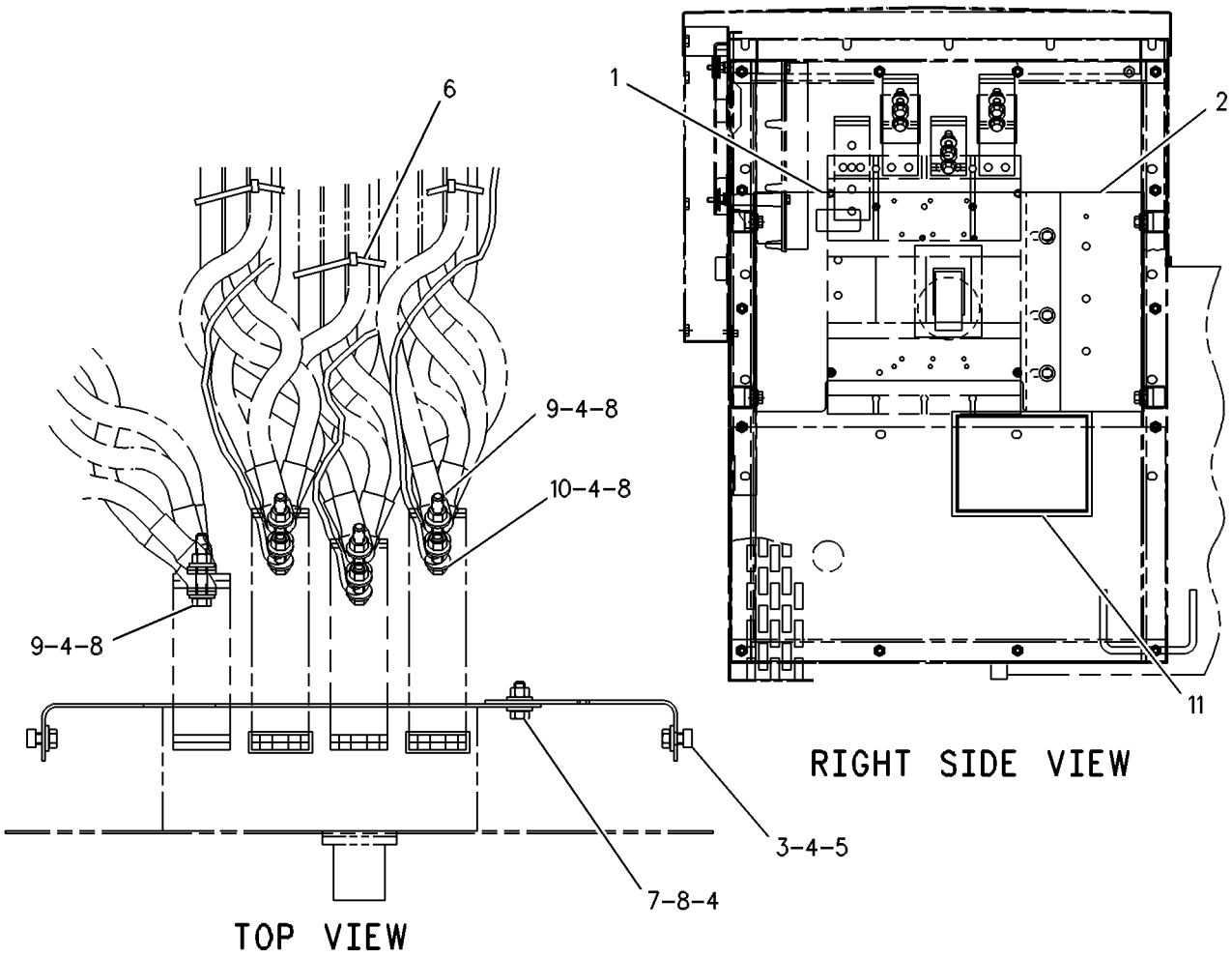
130-1971 MOUNTING GP-CIRCUIT BREAKER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOUR POLE, 700-1250 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971089**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**130-1966**	1	BRACKET	
	2	1	**130-1967**	1	BRACKET	
	3	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	4	1	**5P-1075**	24	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
B	6	1	**7K-1181**	3	STRAP-CABLE	
	7	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	8	1	**6V-8801**	10	NUT (3/8-16 THD)	
	9	1	**8T-0192**	4	BOLT (3/8-16X2.25 IN)	
	10	1	**9B-7237**	3	BOLT (3/8-16X1.25 IN)	
	11	1	**4W-9449**	1	FILM-GENERATOR WIRING	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00256260

ELECTRICAL AND STARTING SYSTEM

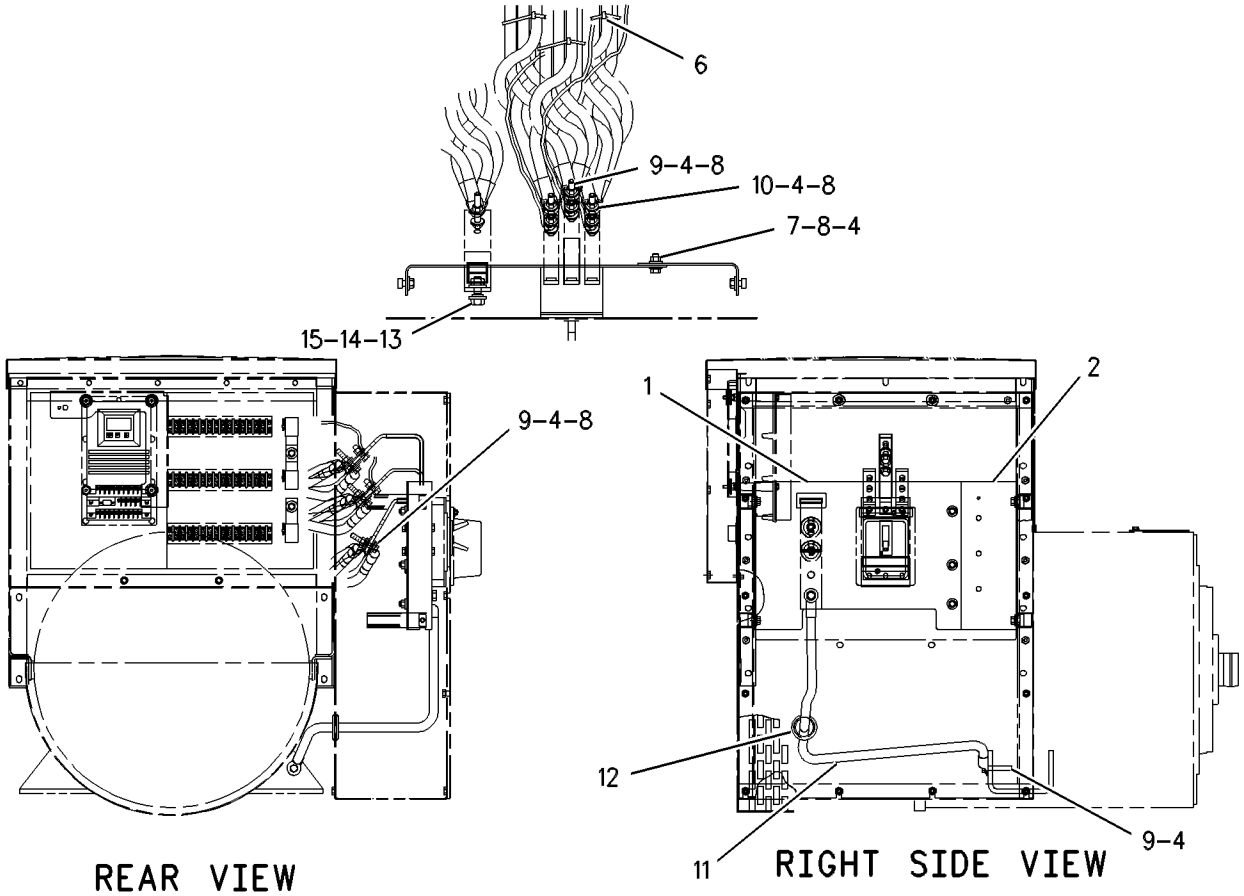
169-1850 MOUNTING GP-CIRCUIT BREAKER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
100-250 AMPERE. 3 POLE
AN ATTACHMENT

SMCS-1420, 4461 **i01580014**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1854**	1	BRACKET	
	2	1	**130-1967**	1	BRACKET	
	3	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	4	1	**5P-1075**	25	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
B	6	1	**7K-1181**	3	STRAP-CABLE	
	7	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	8	1	**6V-8801**	10	NUT (3/8-16 THD)	
	9	1	**8T-0192**	5	BOLT (3/8-16X2.25 IN)	
	10	1	**9B-7237**	3	BOLT (3/8-16X1.25 IN)	
	11	1	**132-6790**	1	CABLE AS	
	12	1	**2S-1647**	1	GROMMET	
	13	1	**5P-2566**	1	BOLT (1/2-13X1.5 IN)	
	14	1	**5P-1076**	2	WASHER-HARD (13.5X30X4MM THK)	
	15	1	**6V-8188**	1	NUT (1/2-13 THD)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00620544

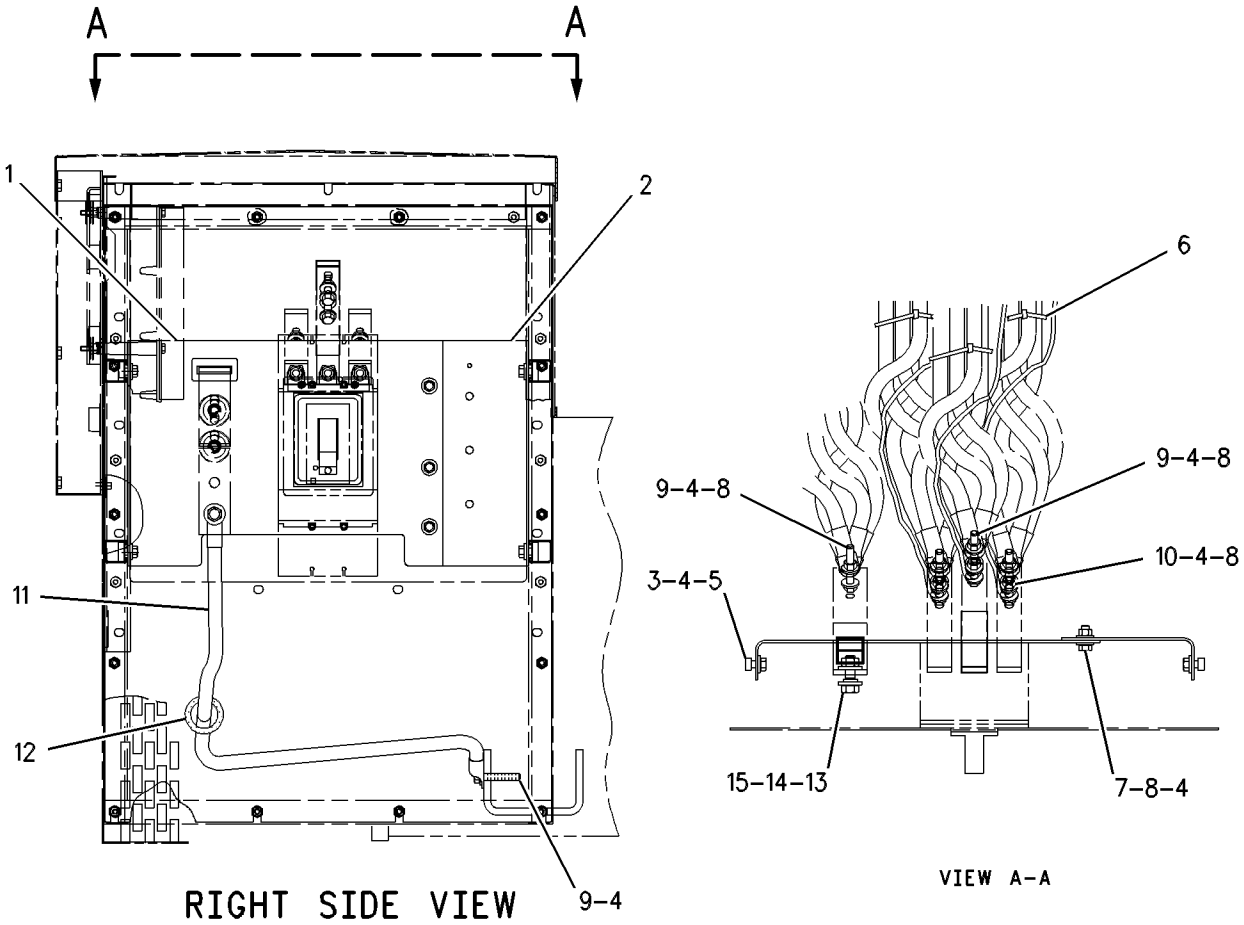
169-1851 MOUNTING GP-CIRCUIT BREAKER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CIRCUIT-3 POLE 300-600 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01580003**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1854**	1	BRACKET	
	2	1	**130-1967**	1	BRACKET	
	3	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	4	1	**5P-1075**	25	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
B	6	1	**7K-1181**	3	STRAP-CABLE	
	7	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	8	1	**6V-8801**	10	NUT (3/8-16 THD)	
	9	1	**8T-0192**	5	BOLT (3/8-16X2.25 IN)	
	10	1	**9B-7237**	3	BOLT (3/8-16X1.25 IN)	
	11	1	**132-6790**	1	CABLE AS	
	12	1	**2S-1647**	1	GROMMET	
	13	1	**5P-2566**	1	BOLT (1/2-13X1.5 IN)	
	14	1	**5P-1076**	2	WASHER-HARD (13.5X30X4MM THK)	
	15	1	**6V-8188**	1	NUT (1/2-13 THD)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00620647

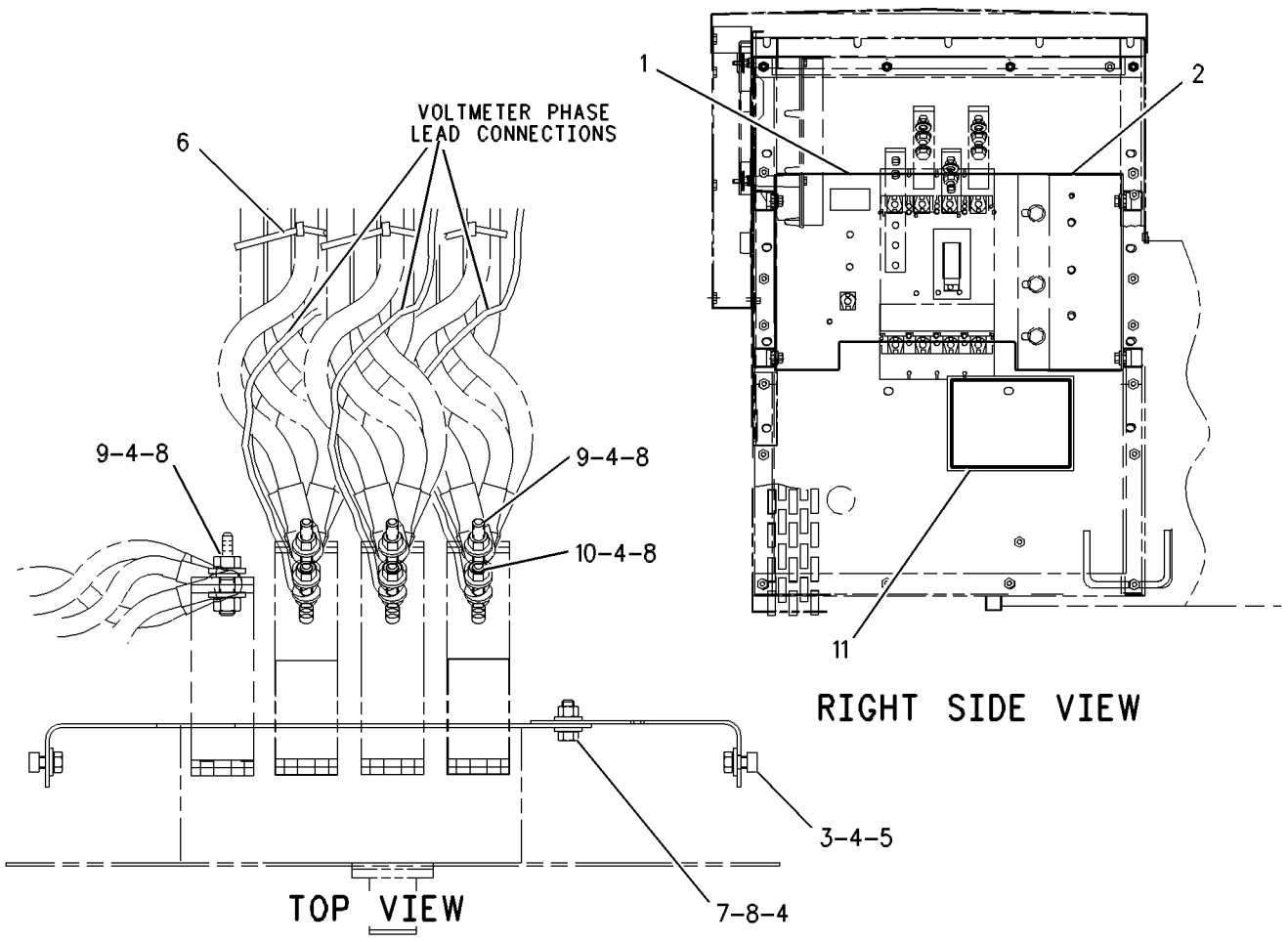
169-1860 MOUNTING GP-CIRCUIT BREAKER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOUR POLE, 200-250 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971144**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1854**	1	BRACKET	
	2	1	**130-1967**	1	BRACKET	
	3	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	4	1	**5P-1075**	24	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
B	6	1	**7K-1181**	3	STRAP-CABLE	
	7	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	8	1	**6V-8801**	10	NUT (3/8-16 THD)	
	9	1	**8T-0192**	4	BOLT (3/8-16X2.25 IN)	
	10	1	**9B-7237**	3	BOLT (3/8-16X1.25 IN)	
	11	1	**4W-9449**	1	FILM-GENERATOR WIRING	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00640966

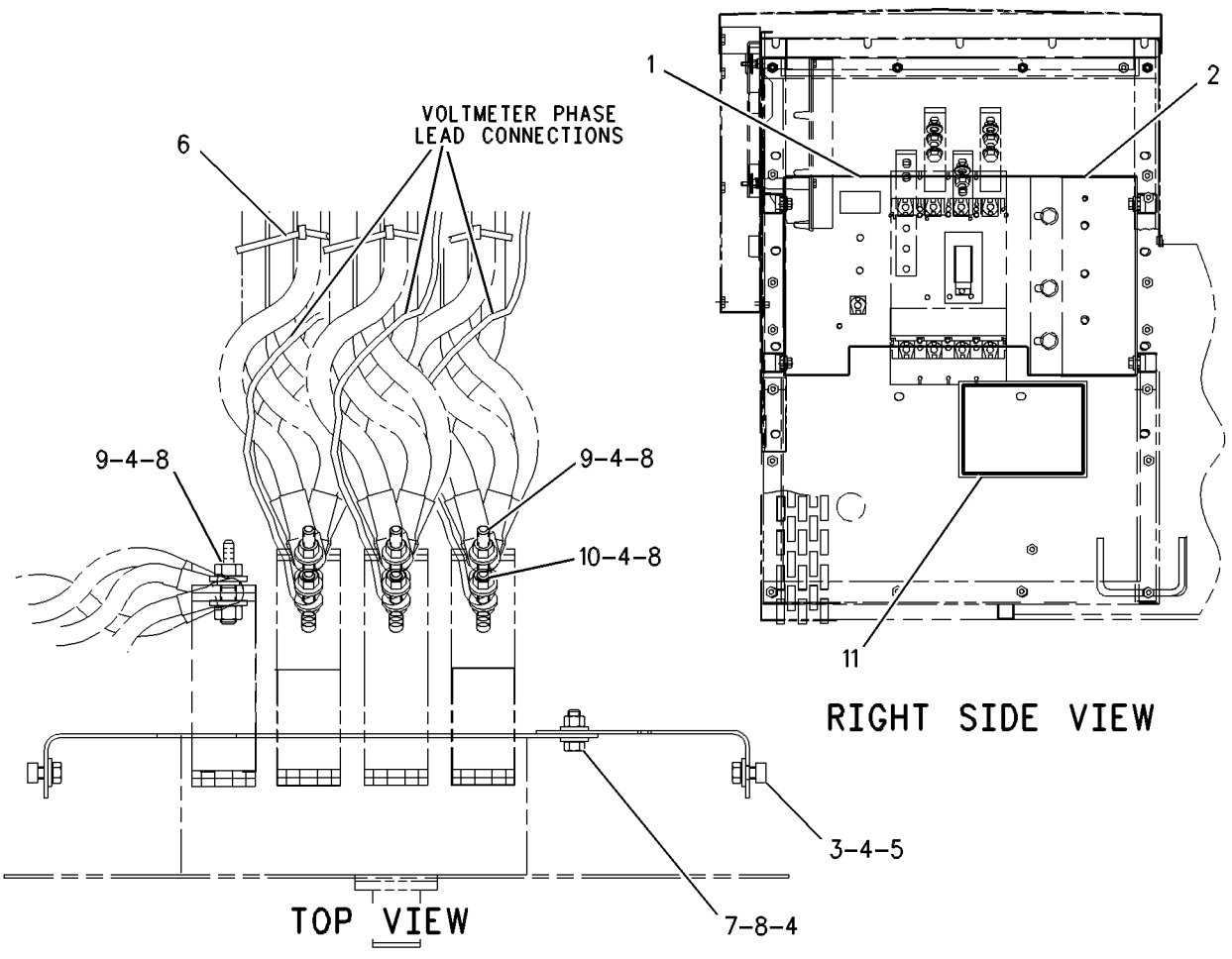
169-1861 MOUNTING GP-CIRCUIT BREAKER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOUR POLE, 320-630 AMPERE
AN ATTACHMENT

SMCS-1420, 4461 **i01971154**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**169-1854**	1	BRACKET	
	2	1	**130-1967**	1	BRACKET	
	3	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	4	1	**5P-1075**	24	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
B	6	1	**7K-1181**	3	STRAP-CABLE	
	7	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	8	1	**6V-8801**	10	NUT (3/8-16 THD)	
	9	1	**8T-0192**	4	BOLT (3/8-16X2.25 IN)	
	10	1	**9B-7237**	3	BOLT (3/8-16X1.25 IN)	
	11	1	**4W-9449**	1	FILM-GENERATOR WIRING	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00640846

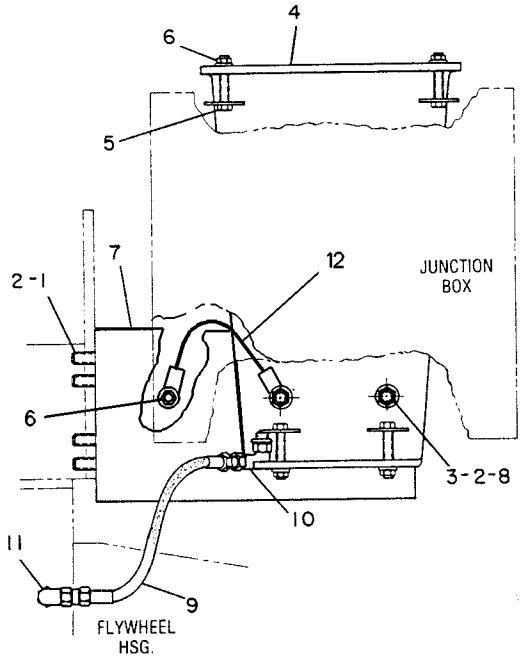
7W-0632 MOUNTING GP-CONTACTOR

S/N: KPS1-UP
JUNCTION BOX
AN ATTACHMENT

SMCS-7400 **i00640793**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5S-7382**	4	BOLT (3/8-16X1.375IN)	
	2	1	**8T-4896**	12	WASHER-HARD (2.5MM THK)	
	3	1	**6V-8801**	4	NUT (3/8-16 THD)	
	4	1	**7C-0089**	1	PLATE AS	
	5	1	**7X-3178**	4	BOLT (1/4-20X1.625IN)	
		1	**2W-8604**	4	WASHER	
	6	1	**6V-8185**	5	NUT (1/4-20 THD)	
		1	**8T-4205**	5	WASHER-HARD (2MM THK)	
	7	1	**7C-0091**	1	BRACKET AS	
	8	1	**8T-2502**	4	BOLT (3/8-16X1.13IN)	
I	9	1	**7V-1037**	1	HOSE AS	
	10	1	**030-7946**	1	ELBOW (7/16-20 STR THD)	
		1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	
	11	1	**8L-6557**	1	CONNECTOR	
		1	**7K-9197**	1	ELBOW	
	12	1	**1H-6936**	1	WIRE AS	

I-SEE HOSE FABRICATION GUIDE



GRAPHIC #1 **<END>** g00221927

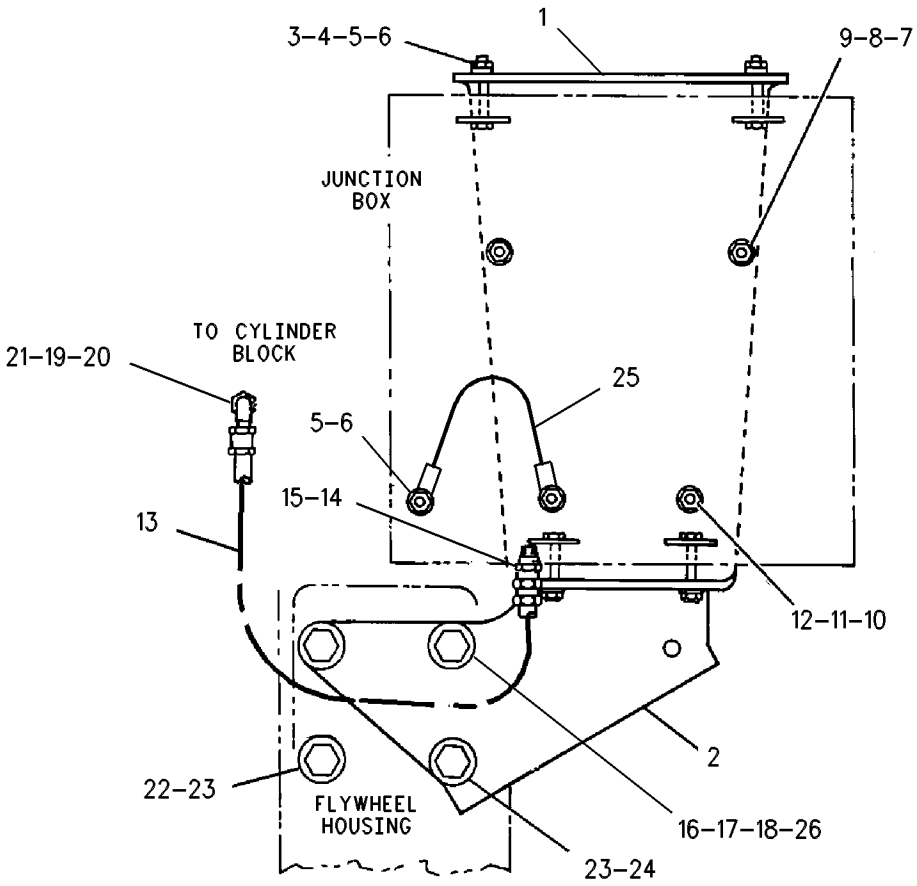
7W-0752 MOUNTING GP-CONTACTOR

S/N: KPS1-UP
JUNCTION BOX
CANNOT BE USED WITH SUMP PUMPS WHEN MTG GP IS MTD ON RH SIDE OF FLYWHEEL HSG
AN ATTACHMENT

SMCS-7400 **i00640804**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-7544**	1	PLATE	
	2	1	**4W-6334**	1	SUPPORT AS	
	3	1	**7X-3178**	4	BOLT (1/4-20X1.625IN)	
	4	1	**2W-8604**	4	WASHER (3.5CM 1.38IN OD)	
	5	1	**8T-4205**	5	WASHER-HARD (2MM THK)	
	6	1	**6V-8185**	5	NUT (1/4-20 THD)	
	7	1	**4M-6425**	2	BOLT (5/16-18X1IN)	
	8	1	**8T-4224**	4	WASHER-HARD (2MM THK)	
	9	1	**6V-8189**	2	NUT (5/16-18 THD)	
	10	1	**9B-7237**	2	BOLT (3/8-16X1.25IN)	
	11	1	**8T-4896**	4	WASHER-HARD (2.5MM THK)	
	12	1	**6V-8801**	2	NUT (3/8-16 THD)	
I	13	1	**5G-3699**	1	HOSE AS	
	14	1	**3J-7352**	1	CONNECTOR (7/16-20 STR THD)	
	15	1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	
	16	1	**7X-0346**	1	BOLT (5/8-11X2IN)	
	17	1	**8T-4122**	3	WASHER (3.5MM THK)	
	18	1	**2A-0047**	3	WASHER (17.5MM THK)	
L	19	1	**3B-7721**	1	BUSHING-REDUCER	
L	20	1	**8L-6557**	1	CONNECTOR	
	21	1	**7K-9197**	1	ELBOW	
N	22	1	**7X-0513**	1	WASHER-HARD (5.0MM THK)	
N		1	**8T-4122**	1	WASHER (3.5MM THK)	
N		1	**2A-0047**	1	WASHER (17.5MM THK)	
N	23	1	**7X-0347**	3	BOLT (5/8-11X2.25IN)	
J	24	1	**7X-0346**	2	BOLT (5/8-11X2IN)	
	25	1	**1H-6936**	1	WIRE AS	
L	26	1	**4L-8183**	1	SPACER	

I-SEE HOSE FABRICATION GUIDE
J-NOT REQUIRED W/PUMP GP
L-USE FOR RIGHT HAND SIDE MOUNTING
N-REQUIRED W/PUMP GP



LEFT SIDE MOUNTING

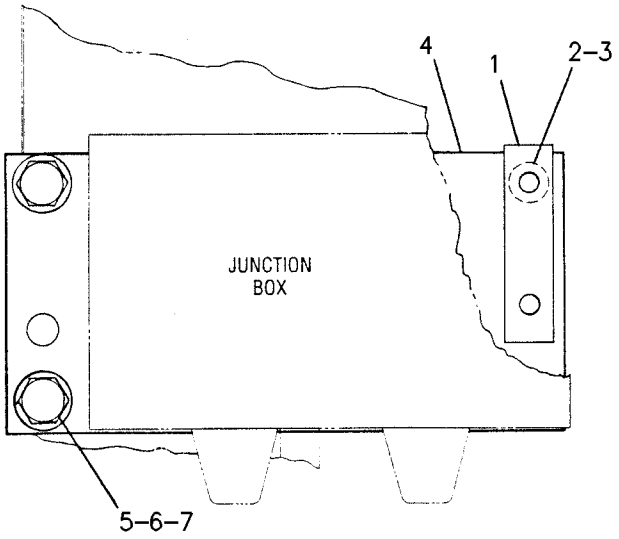
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7W-1060 MOUNTING GP-CONTACTOR

S/N: KPS1-UP
POWER DISTRIBUTION BOX
AN ATTACHMENT

SMCS-7400 **i01371026**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7G-4327**	2	PLATE	
	2	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	3	1	**6V-8801**	4	NUT (3/8-16 THD)	
	4	1	**7C-0097**	1	PLATE	
	5	1	**7X-0347**	2	BOLT (5/8-11X2.25 IN)	
	6	1	**8T-4122**	2	WASHER (3.5MM THK)	
	7	1	**2A-0047**	2	WASHER (17.5MM THK)	



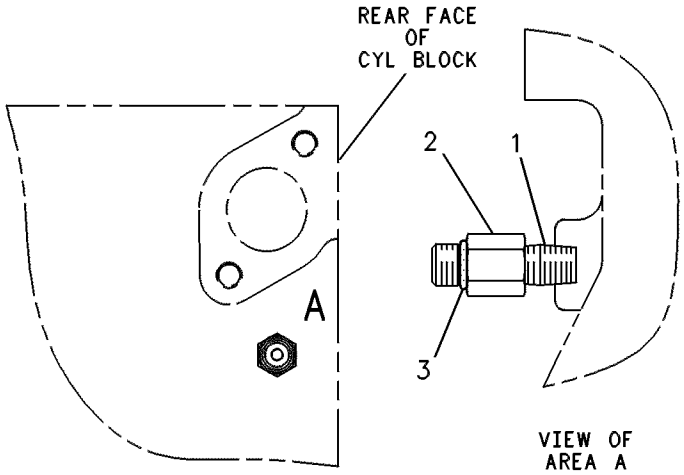
GRAPHIC #1 **<END>** g00230705

103-1956 MOUNTING GP-CONTACTOR

S/N: KPS1-UP
FOR USE WITH EMPC II
AN ATTACHMENT

SMCS-7400 **i01791158**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-1813**	1	FITTING	
	2	1	**5P-5528**	1	ADAPTER-O-RING	
	3	1	**3J-7354**	1	SEAL-O-RING	



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00244003

129-4439 MOUNTING GP-JACKET WTR HEATER

S/N: KPS1-UP

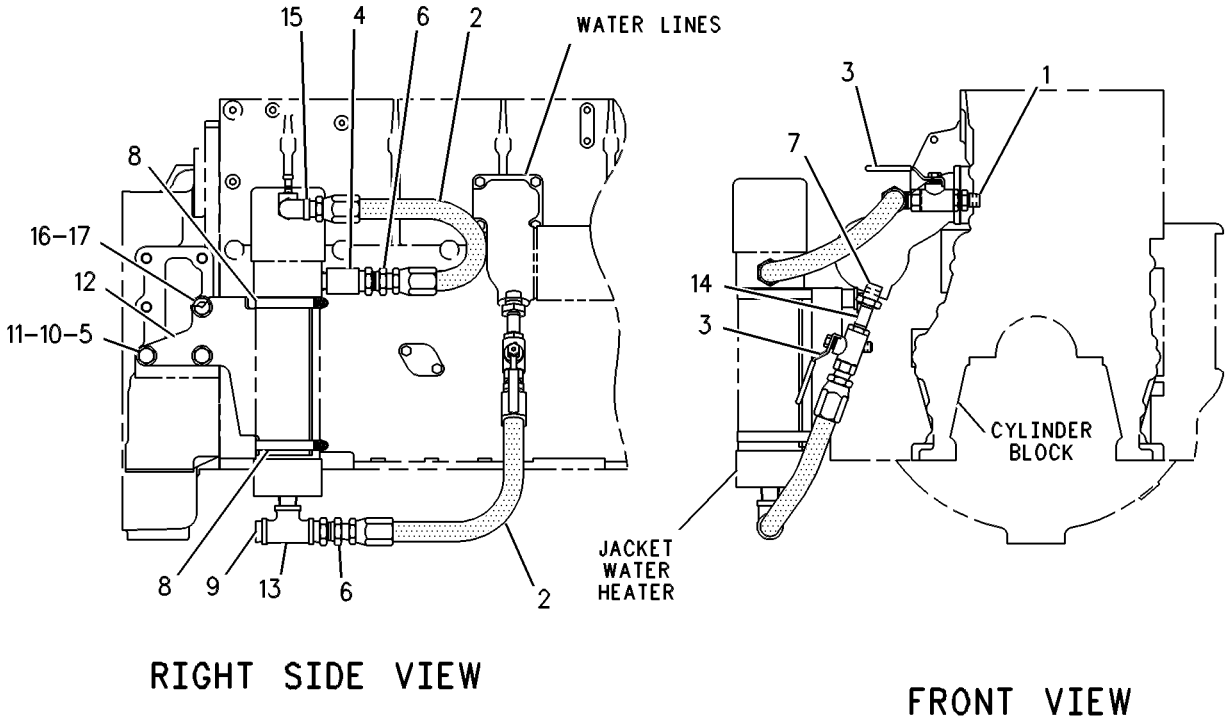
FOR USE WITH ENGINE MOUNTED HEATER (120V/24V), 7E-6247—PAGE 380. CANNOT BE USED WITH RH AIR STARTER OR RH ELECTRIC STARTER

AN ATTACHMENT

SMCS-1383 **i01960941**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8C-6905**	1	FITTING (1/2-14 X 3/4-14 NPTF THD)	
I	2	1	**5N-3340**	2	HOSE AS	
	3	1	**112-4036**	2	VALVE (3/4 PTF THD) (JACKET WATER HEATER)	
	4	1	**3B-6491**	1	COUPLING-PIPE	
	5	1	**7X-0347**	3	BOLT (5/8-11X2.25 IN)	
	6	1	**1L-5987**	2	CONNECTOR-PIPE	
	7	1	**6B-9081**	1	BUSHING-REDUCING	
	8	1	**8T-6726**	2	CLAMP-HOSE	
B	9	1	**3B-0551**	1	PLUG-PIPE	
	10	1	**8T-4122**	3	WASHER-HARD (17X32X3.5MM THK)	
	11	1	**2A-1314**	2	SPACER (16.7X23.8X25.4MM THK)	
	12	1	**7C-4753**	1	BRACKET	
	13	1	**4B-7770**	1	TEE	
	14	1	**1F-6660**	1	NIPPLE-PIPE	
	15	1	**003-9163**	1	ELBOW	
B	16	1	**2P-2216**	1	SPACER	
B	17	1	**8T-4122**	2	WASHER-HARD (17X32X3.5MM THK)	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE



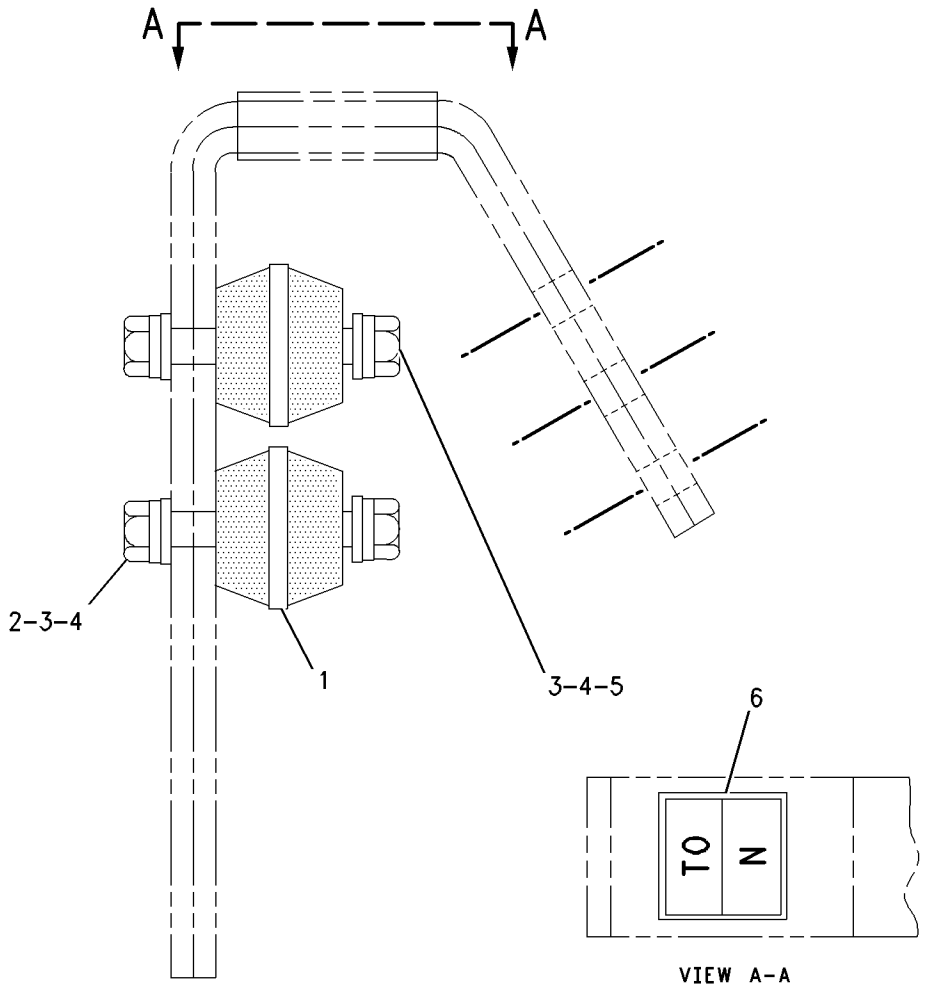
GRAPHIC #1 **<END>** g00259997

6I-3339 NEUTRAL BUS BAR AS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
1200 AMPERE
AN ATTACHMENT

SMCS-445B **i01857441**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-7142**	2	INSULATOR	
	2	1	**4L-6454**	2	BOLT (3/8-16X1 IN)	
	3	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	**3B-4506**	4	LOCKWASHER	
	5	1	**5M-3062**	2	BOLT (3/8-16X0.75 IN)	
	6	1	**4W-6393**	1	FILM-TERMINAL STRIP	



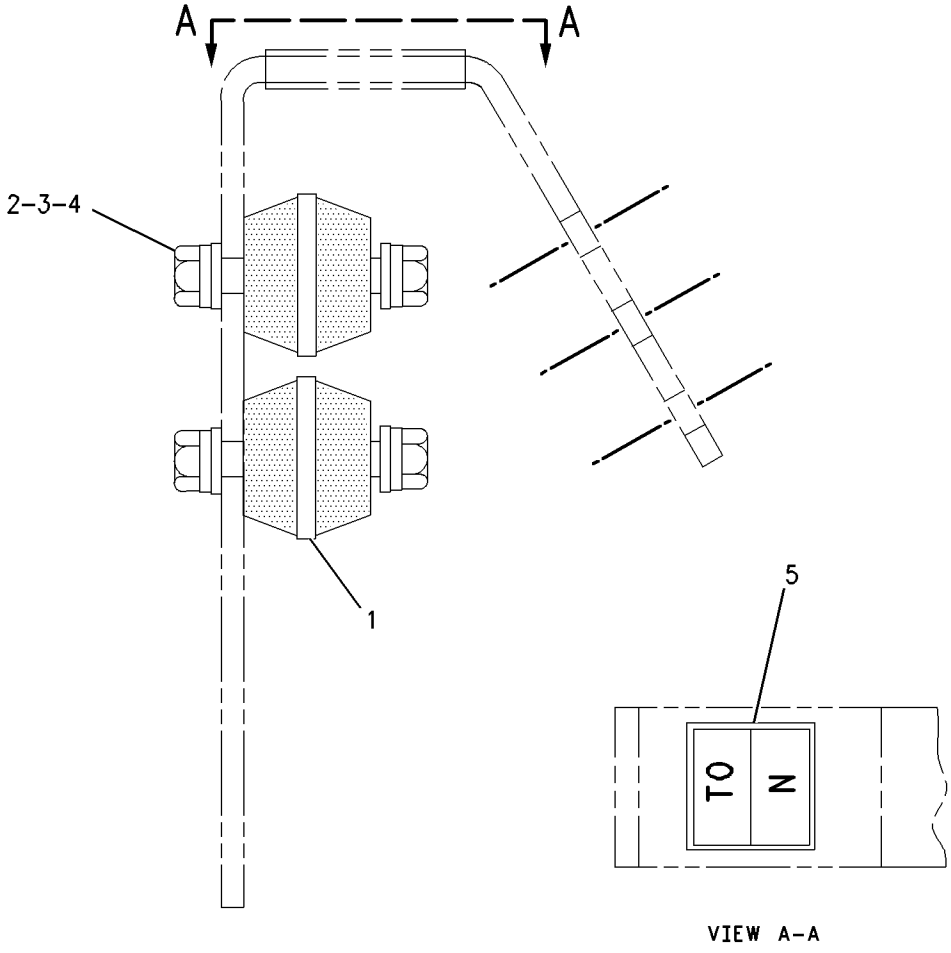
GRAPHIC #1 **<END>** g00858817

6I-3340 NEUTRAL BUS BAR AS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
800 AMPERE
AN ATTACHMENT

SMCS-445B **i01857443**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-7142**	2	INSULATOR	
	2	1	**3B-4506**	4	LOCKWASHER	
	3	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
	5	1	**4W-6393**	1	FILM-TERMINAL STRIP	



VIEW A-A

GRAPHIC #1 **<END>** g00858729

134-1157 RELAY GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
ENGINE FAILURE RELAY
AN ATTACHMENT

SMCS-1422, 4493 **i01748116**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	*158-6181*	1	RELAY GP	402

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

<END>

158-6181 RELAY GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
24 VOLT 3 POLE
PART OF 219-3214 PANEL GP-ELECTRONIC, 134-1157, 220-7919 RELAY GP
AN ATTACHMENT

SMCS-1422, 4493 **i01835431**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	179-9956	1	DIODE (SURGE SUPPRESSOR)	
	211-0640	1	SPRING (RELAY)	
	223-6470	1	RELAY (CONTROL) (10 AMPERE, 24 VOLT)	
	223-6471	1	BASE-RELAY	

<END>

220-7919 RELAY GP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
TO PROVIDE A CUSTOMER A SET OF "DRY" CONTACTS FOR ANY ENGINE FAILURE
FOR USE WITH EMCPII CONTROL PANEL
AN ATTACHMENT

SMCS-1422, 4493 **i01765735**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*158-6181*	1	RELAY GP	402

Y-SEPARATE ILLUSTRATION

<END>

128-3326 RELAY GP-AUXILIARY

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 145-9410, 145-9411, 151-5552, 151-5553 PANEL GP-CONTROL, 121-4712 PANEL GP-ELECTRONIC, 134-1157 RELAY GP
AN ATTACHMENT

SMCS-1422, 4493 **i01835430**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	126-3515	1	RELAY-CONTROL (10 AMPERE, 24 VOLT)	
	115-7941	1	SOCKET-RELAY	
	105-7541	1	SPRING-RELAY	

<END>

131-1976 RELAY GP-OVERCURRENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH GENERATOR MOUNTED EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-1422, 4493 **i01712800**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	112-7959	1	RELAY (3 PHASE, TIME DELAY)	

<END>

219-3223 RELAY GP-OVERCURRENT

S/N: KPS1-UP
PROVIDES AN OVERCURRENT RELAY
AN ATTACHMENT

SMCS-1422, 4493 **i01777798**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	112-7959	1	RELAY (3 PHASE, TIME DELAY)	

<END>

131-1971 RELAY GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH GENERATOR MOUNTED EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-1422, 4493 **i01223850**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	**123-4944**	1	RELAY	
			(REQUIRED WITH 208 VOLT GENERATORS ONLY)	
B	**123-4945**	1	RELAY	
			(REQUIRED WITH 240 VOLT GENERATORS ONLY)	
B	**123-4946**	1	RELAY	
			(REQUIRED WITH 380-416 VOLT GENERATORS ONLY)	
B	**123-4947**	1	RELAY	
			(REQUIRED WITH 480 VOLT GENERATORS ONLY)	
B	**126-0558**	1	RELAY	
			(REQUIRED WITH 600 VOLT GENERATORS ONLY)	
B-USE AS REQUIRED				

<END>

219-3226 RELAY GP-VOLTAGE

S/N: KPS1-UP
PROVIDES AN OVERVOLTAGE RELAY
FOR USE WITH 208 VOLT GENERATOR ONLY
AN ATTACHMENT

SMCS-1422, 4493 **i01777876**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	123-4944	1	RELAY	
			(3 PHASE OVERVOLTAGE, 208 VOLT, TIME DELAY)	

<END>

219-3227 RELAY GP-VOLTAGE

S/N: KPS1-UP
PROVIDES AN OVERVOLTAGE RELAY
FOR USE WITH 240 VOLT GENERATOR ONLY
AN ATTACHMENT

SMCS-1422, 4493 **i01777914**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	123-4945	1	RELAY	
			(3 PHASE OVERVOLTAGE, 240 VOLT, TIME DELAY)	

<END>

219-3228 RELAY GP-VOLTAGE

S/N: KPS1-UP
PROVIDES AN OVERVOLTAGE RELAY
FOR USE WITH 380-416 VOLT GENERATOR ONLY
AN ATTACHMENT

SMCS-1422, 4493 **i01777975**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	123-4946	1	RELAY	
			(3 PHASE OVERVOLTAGE, 416 VOLT, TIME DELAY)	

<END>

219-3229 RELAY GP-VOLTAGE

S/N: KPS1-UP
PROVIDES AN OVERVOLTAGE RELAY
FOR USE WITH 480 VOLT GENERATORS ONLY
AN ATTACHMENT

SMCS-1422, 4493 **i01777985**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	123-4947	1	RELAY	
			(3 PHASE OVERVOLTAGE, 480 VOLT, TIME DELAY)	

<END>

219-3230 RELAY GP-VOLTAGE

S/N: KPS1-UP
PROVIDES AN OVERVOLTAGE RELAY
FOR USE WITH 600 VOLT GENERATORS ONLY
AN ATTACHMENT

SMCS-1422, 4493 **i01778005**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	126-0558	1	RELAY	
			(3 PHASE OVERVOLTAGE, 575 VOLTS, TIME DELAY)	

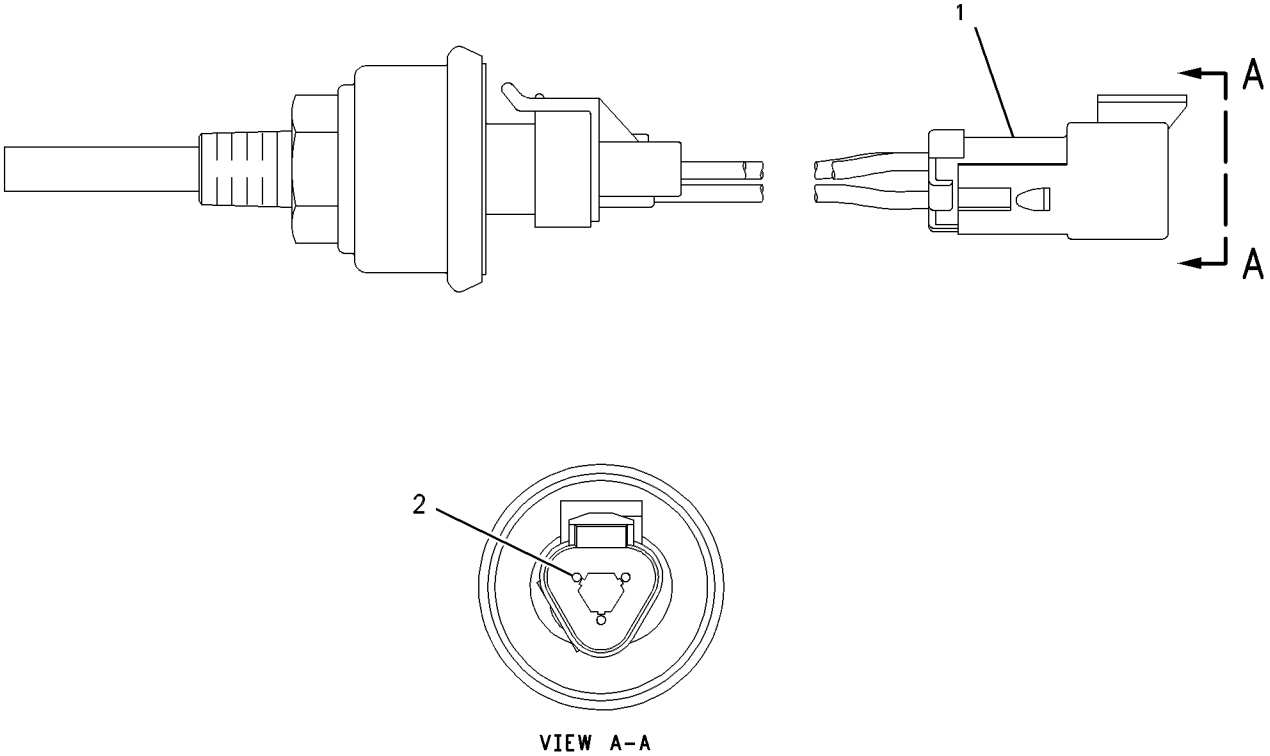
<END>

111-3794 SENSOR GP-LIQUID LEVEL–COOLANT LOSS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 145-9412, 151-5554 KIT-CONTROL PANEL INSTALLATION
FIELD REPLACEMENT ORDER 165-6634–PAGE 407
AN ATTACHMENT

SMCS-7422 **i01939316**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8803**	1	KIT-RECEPTACLE (3 PIN) (COOLANT LOSS SENSOR)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**186-3735**	3	PIN-CONNECTOR	



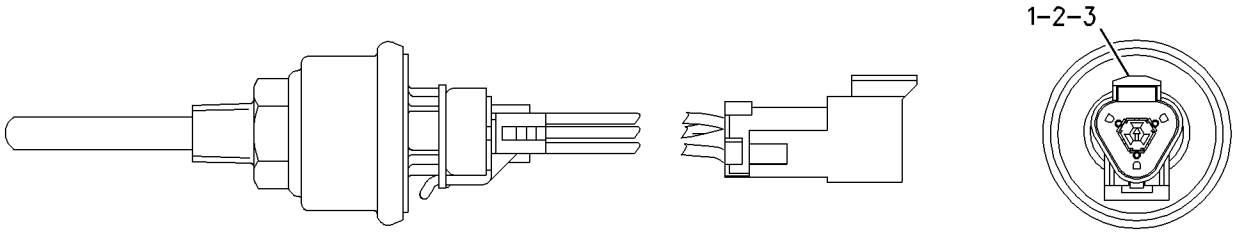
GRAPHIC #1 **<END>** g00625744

165-6634 SENSOR GP-LIQUID LEVEL–COOLANT LOSS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
FIELD REPLACEMENT FOR 111-3794–PAGE 406
AN ATTACHMENT AND FIELD INSTALLATION

SMCS-7422 **i01973661**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8803**	1	KIT-RECEPTACLE (3 PIN) (COOLANT LOSS SENSOR)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
	3	1	**186-3735**	3	PIN-CONNECTOR	



GRAPHIC #1 **<END>** g00785629

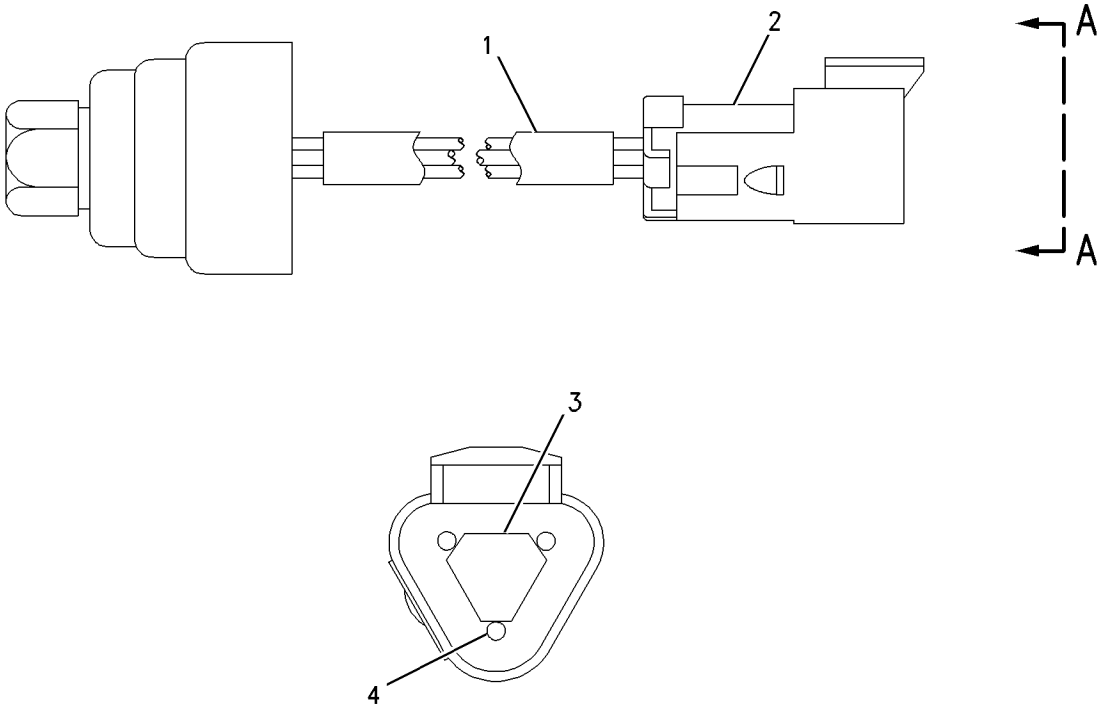
145-2362 SENSOR GP-PRESSURE–OIL

S/N: KPS1-UP
PART OF 103-6101 CONTROL GP-ENGINE MONITORING
FIELD REPLACEMENT ORDER 216-8684–PAGE 409
AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i01959558**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
BE	1	1	**9X-1813**		SLEEVE	
	2	1	**102-8803**	1	KIT-RECEPTACLE (3 PIN) (ENGINE OIL PRESSURE SENSOR)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
	4	1	**9X-3401**	3	PIN-CONNECTOR	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00707687

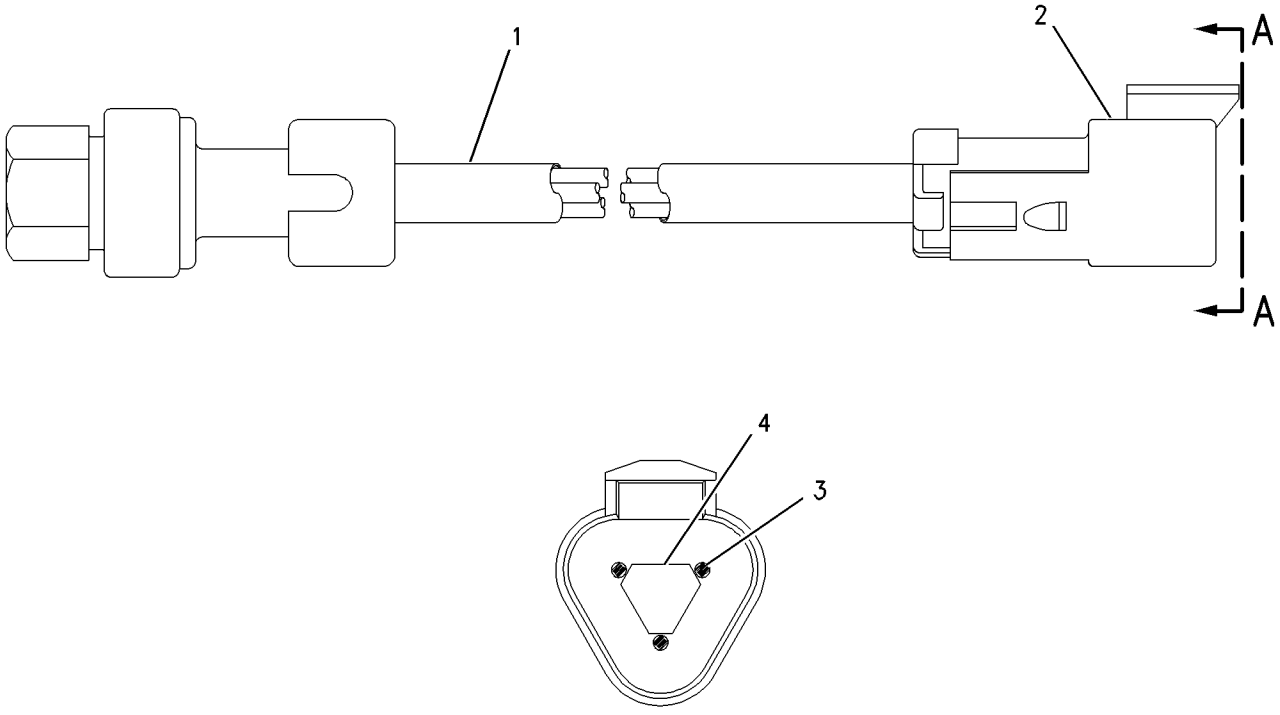
216-8684 SENSOR GP-PRESSURE–OIL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 145-5219 CONTROL GP-ENG RATINGS ELEK, 103-6101 CONTROL GP-ENGINE MONITORING, 145-9412, 151-5554 KIT-CONTROL PANEL INSTALLATION
FIELD REPLACEMENT FOR 145-2362–PAGE 408
AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i01959565**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
BE	1	1	**9X-1813**		SLEEVE (34 CM)	
	2	1	**102-8803**	1	KIT-RECEPTACLE (3 PIN) (ENGINE OIL PRESSURE SENSOR)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	**180-9339**	3	PIN-CONNECTOR (FOR 14 GAUGE WIRE)	
	4	1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3 PIN)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00865974

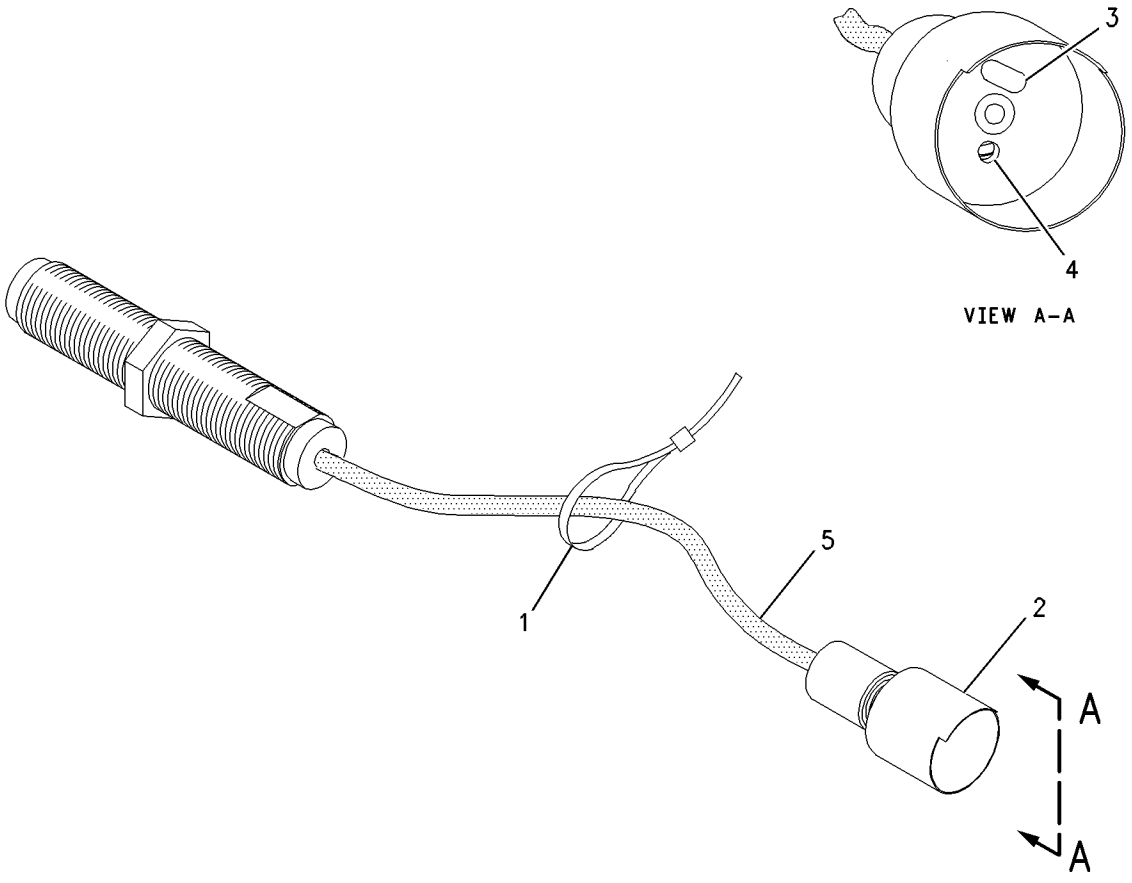
3E-7886 SENSOR GP-SPEED–LOW OUTPUT

S/N: KPS1-UP
PART OF 7W-3355 SENSOR GP-SPEED
FIELD REPLACEMENT ORDER 1-155-2270 KIT-CONNECTING PLUG, 2-186-3736 SOCKET-CONNECTOR
AN ATTACHMENT

SMCS-1907 **i01932316**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**171-5349**	1	STRAP-MARKER	
	2	1	**7N-9738**	1	HOUSING-RECEPTACLE	
	3	1	**7N-7780**	1	PIN-CONNECTOR	
	4	1	**7N-7779**	1	SOCKET-CONNECTOR	
BE	5	1	**9X-1386**		SLEEVE	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00837148

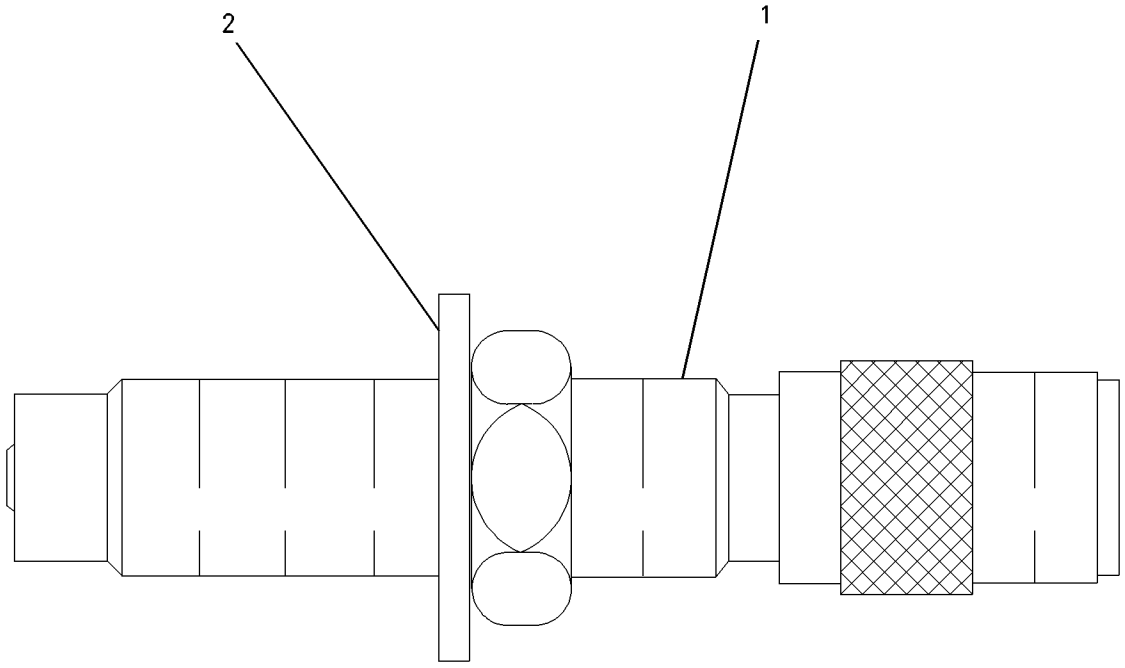
4P-7610 SENSOR GP-SPEED–ENGINE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 151-5554 KIT-CONTROL PANEL INSTALLATION
FOR USE WITH ELECTRONIC MODULAR CONTROL PANEL
AN ATTACHMENT

SMCS-1907 **i01969096**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-2455**	1	SENSOR GP-SPEED (ENGINE/MAGNETIC/LOW OUTPUT)	
		1	**171-5349**	1	STRAP-MARKER	
		1	**186-3735**	2	PIN-CONNECTOR	
E		1	**9X-1386**		SLEEVE (14CM)	
		1	**102-8802**	1	KIT-RECEPTACLE (2 PIN) (ENGINE SPEED SENSOR)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**8T-4122**	1	WASHER-HARD (17X32X3.5MM THK)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00722623

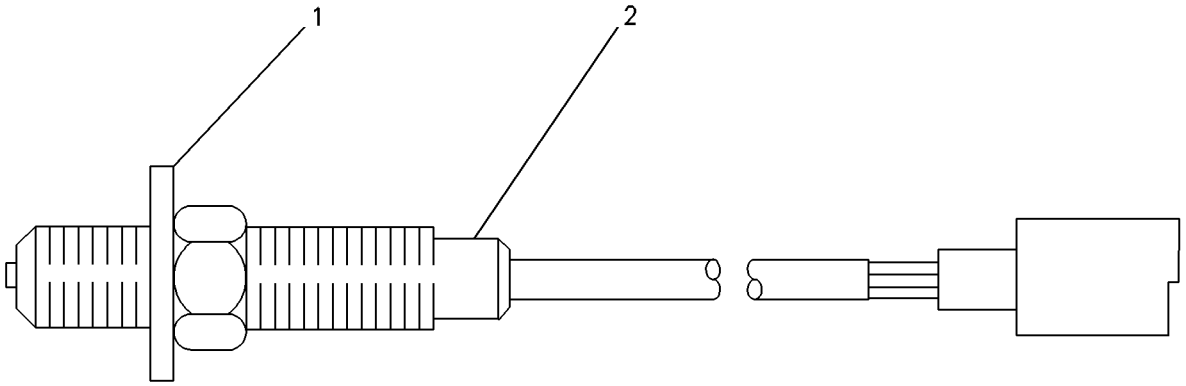
7W-3355 SENSOR GP-SPEED—ENGINE

S/N: KPS1-UP
FOR USE WITH ENGINE MOUNTED INSTRUMENT PANEL
AN ATTACHMENT

SMCS-1907 **i01955613**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**4B-4281**	1	WASHER (16.8X33X2.5MM THK)	
Y	2	1	**3E-7886**	1	SENSOR GP-SPEED (ENGINE)	410

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00065532

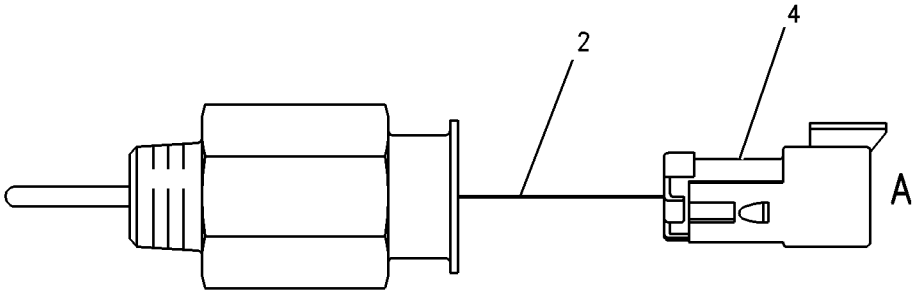
102-0050 SENSOR GP-TEMPERATURE

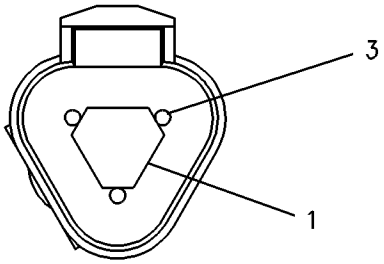
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
8 VOLT, 500 HERTZ. PULSE WIDTH MODULATION
PART OF 145-5219 CONTROL GP-ENG RATINGS ELEK, 103-6101 CONTROL GP-ENGINE MONITORING, 145-9412, 151-5554 KIT-CONTROL PANEL INSTALLATION AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i01959605**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
BE	2	1	**9X-1813**		SLEEVE	
	3	1	**186-3735**	3	PIN-CONNECTOR	
	4	1	**102-8803**	1	KIT-RECEPTACLE (3 PIN) (TEMPERATURE SENSOR)	
					(INCLUDES RECEPTACLE & WEDGE)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER





VIEW OF AREA A

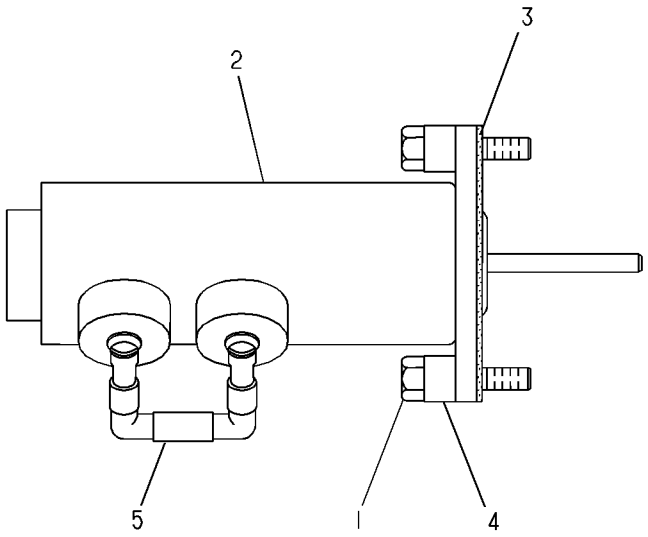
GRAPHIC #1 **<END>** g00876141

2W-8197 SHUTOFF GP-ELECTRICAL

S/N: KPS1-UP
24 VOLT. ENERGIZED TO SHUTDOWN SOLENOID
AN ATTACHMENT

SMCS-7418 **i01833201**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6D-2928**	2	BOLT (1/4-20X1.125 IN)	
	2	1	**110-6465**	1	SOLENOID (SHUTOFF)	
	3	1	**6I-2002**	1	GASKET	
	4	1	**5G-2003**	2	SPACER (10MM THK)	
	5	1	**1W-9070**	1	DIODE AS	



GRAPHIC #1 **<END>** g00164188

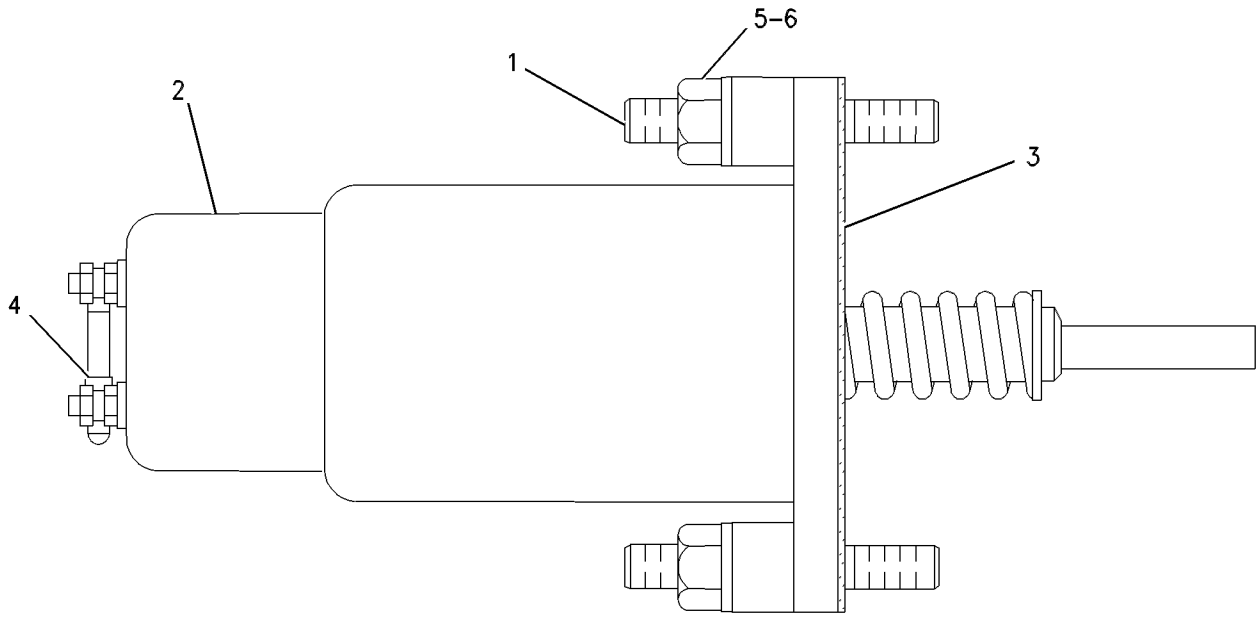
2W-8198 SHUTOFF GP-ELECTRICAL

S/N: KPS1-UP
24 VOLT. ENERGIZED TO RUN SOLENOID
AN ATTACHMENT

SMCS-7418 **i01761397**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-2649**	2	STUD	
Y	2	1	**125-5774**	1	SOLENOID GP-SHUTOFF	418
	3	1	**6I-2002**	1	GASKET	
	4	1	**1W-9070**	1	DIODE AS	
					(BIPOLAR VOLTAGE TRANSIENT SUPPRESSOR)	
	5	1	**9S-8750**	2	NUT-FULL (1/4-20 THD)	
	6	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00616391

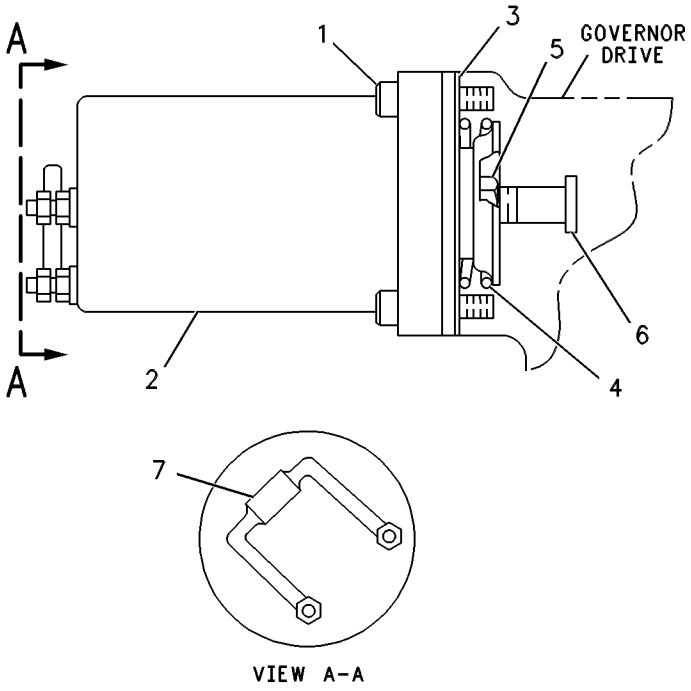
4W-7502 SHUTOFF GP-ELECTRICAL

S/N: KPS1-UP
24-32 VOLT
AN ATTACHMENT

SMCS-7418 **i01723771**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**8H-0707**	2	BOLT (1/4-20X1 IN)	
C	2	1	**8C-6099**	1	SOLENOID GP-SHUTOFF	
	3	1	**8L-3873**	1	GASKET	
	4	1	**7N-9845**	1	SPRING	
	5	1	**5B-9079**	1	NUT-JAM (3/8-24 THD)	
	6	1	**4W-7503**	1	SHAFT-SOLENOID	
	7	1	**1W-9070**	1	DIODE AS	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00255564

111-7760 SHUTOFF GP-ELECTRICAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
ENERGIZE TO RUN
PART OF 145-9410, 151-5552 PANEL GP-CONTROL
AN ATTACHMENT

SMCS-7418 **i01835448**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	111-1325	1	BLOCK-CONTACT (2 POLE)	
	111-1324	1	BLOCK-CONTACT (1 POLE)	
B	**4W-8790**	1	BLOCK-FUSE (20 AMPS)	
	106-8848	1	DIODE AS-SUPPRESSOR	
	4S-1988	2	TERMINAL (BLADE-CRIMP TYPE)	
BD	**6V-1614**		TUBE-HEAT SHRINK	
B	**9Y-9781**	1	FILM-IDENTIFICATION (20AMP DC FUSE)	
B	**8M-0456**	1	FUSE (20 AMP)	
B	**9Y-2921**	2	RELAY	
	109-6507	1	SWITCH AS-PUSH BUTTON (SECONDARY STOP)	

B-USE AS REQUIRED
D-ORDER BY THE METER

<END>

111-7761 SHUTOFF GP-ELECTRICAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
ENERGIZE TO SHUTOFF
PART OF 145-9411, 151-5553 PANEL GP-CONTROL
AN ATTACHMENT

SMCS-7418 **i01835874**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	111-1324	1	BLOCK-CONTACT (1 POLE)	
	111-1323	2	BLOCK-CONTACT (1 POLE)	
	4W-8790	1	BLOCK-FUSE (20 AMPS)	
Y	**102-8619**	1	CONTROL GP-EMCP ELECTRONIC	461
	9Y-9782	1	FILM-IDENTIFICATION (10A DC FUSE)	
	3K-8782	1	FUSE (10 AMP)	
	9Y-2921	1	RELAY	
	109-6507	1	SWITCH AS-PUSH BUTTON (SECONDARY STOP)	

Y-SEPARATE ILLUSTRATION

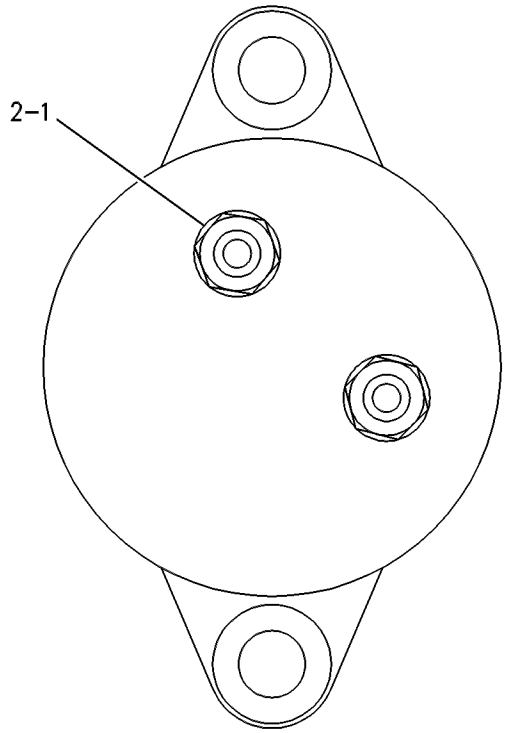
<END>

125-5774 SOLENOID GP-SHUTOFF

S/N: KPS1-UP
PART OF 2W-8198 SHUTOFF GP-ELECTRICAL
AN ATTACHMENT

SMCS-1259 **i00551132**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-8377**	2	NUT (8-32 THD)	
	2	1	**9B-7233**	2	LOCKWASHER (NO.8)	



GRAPHIC #1 **<END>** g00260074

8N-0620 STARTING AID GP-ETHER

S/N: KPS1-UP
24 VOLT. LONG BLOCK ATOMIZER
AN ATTACHMENT

SMCS-1456 **i01862496**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	6N-9995	1	ATOMIZER AS-ETHER	
	7N-2059	1	CLAMP AS-CYLINDER	
	6N-9587	2	CONNECTOR	
	5P-2948	1	CONNECTOR GP	
	5P-5391	1	FILM-INSTRUCTION (DIRECT ELECTRIC STARTING)	
	6N-5899	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	6V-8379	1	NUT-JAM	
	9B-7233	1	LOCKWASHER	
	3T-0306	1	SWITCH AS (ETHER AID ON/OFF)	
	5L-7200	1	SCREW (8-32X0.375 IN)	
	7T-9517	1	KNOB	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	6V-8832	2	NUT	
	8F-1434	2	LOCKWASHER	
	2V-1713	1	TAG-NOTICE (STARTING AID)	
	2L-8075	4	TERMINAL	
	7N-0140	1	TUBE AS-COIL	
	8N-3536	1	TUBE-STEEL	
	6N-7674	1	VALVE AS (ETHER START)(24 VOLT)	
	5P-5610	2	CONNECTOR	
	7N-9801	1	GASKET	
D	**5P-5623**		WIRE (16 GA) (3M)(BLACK)	
A	**7N-0296**	1	CYLINDER AS-ETHER	
			(MUST BE PROCURED LOCALLY FROM YOUR CATERPILLAR DEALER)	

A-NOT PART OF THIS GROUP
D-ORDER BY THE METER

<END>

ELECTRICAL AND STARTING SYSTEM

8N-0621 STARTING AID GP-ETHER

S/N: KPS1-UP
24 VOLT. SPRAY ATOMIZER
AN ATTACHMENT

SMCS-1456 **i01878673**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	6N-7672	1	ATOMIZER AS-ETHER	
	7N-2059	1	CLAMP AS-CYLINDER	
	6N-9587	2	CONNECTOR	
	5P-2948	1	CONNECTOR GP	
	4K-9821	1	SLEEVE	
	4K-9822	1	NUT (5/16-24 THD)	
	5P-5391	1	FILM-INSTRUCTION (DIRECT ELECTRIC STARTING)	
	6N-5899	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	6V-8379	1	NUT-JAM	
	9B-7233	1	LOCKWASHER	
	3T-0306	1	SWITCH AS (ETHER AID ON/OFF)	
	3B-4501	1	LOCKWASHER	
	5L-7200	1	SCREW (8-32X0.375 IN)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	6V-8832	2	NUT	
	7T-9517	1	KNOB	
	8F-1434	2	LOCKWASHER	
	2V-1713	1	TAG-NOTICE (STARTING AID)	
	2L-8075	4	TERMINAL	
	7N-0140	1	TUBE AS-COIL	
	8N-3536	1	TUBE-STEEL	
	6N-7674	1	VALVE AS (24 VOLT)(ETHER START)	
BE	**5P-0640**		WIRE-ELECTRICAL (16 GAUGE)	
A	**7N-0296**	1	CYLINDER AS-ETHER	
			(MUST BE PROCURED LOCALLY FROM YOUR CATERPILLAR DEALER)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER

<END>

ELECTRICAL AND STARTING SYSTEM

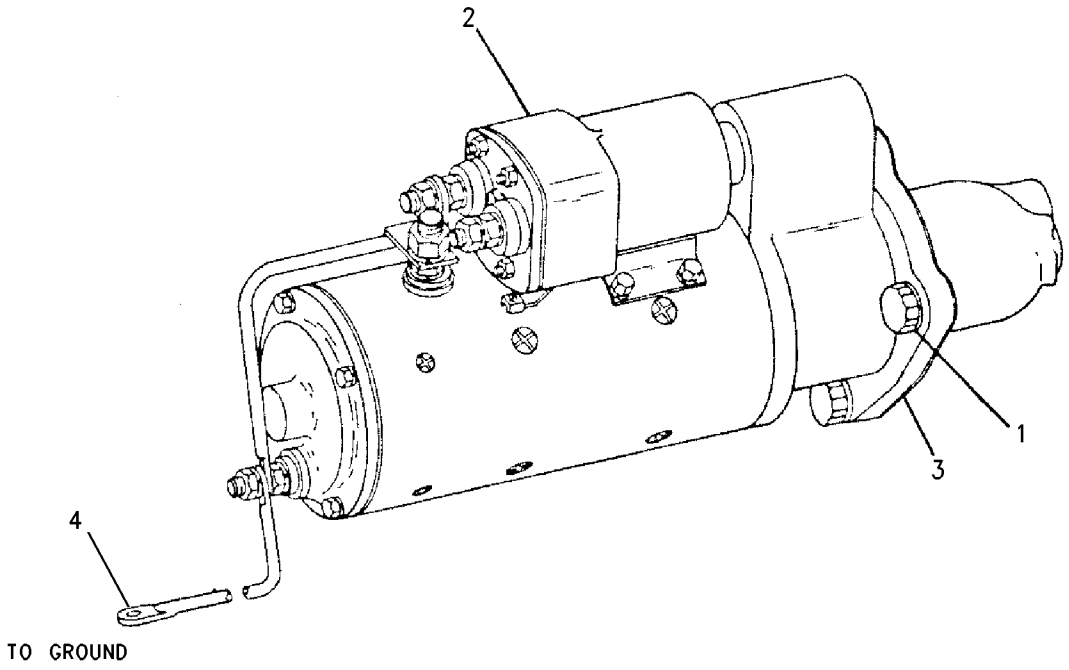
4N-1062 STARTING MOTOR GP-ELECTRIC

S/N: KPS1-UP
24 VOLT
AN ATTACHMENT

SMCS-1453 **i01573982**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8S-2332**	3	BOLT-12 POINT HEAD (5/8-11X1.75 IN)	
CY	2	1	*207-1564*	1	STARTING MOTOR GP-ELECTRIC	427
C	3	1	**4H-7869**	1	GASKET	
	4	1	**9F-4337**	1	WIRE AS	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00818932

ELECTRICAL AND STARTING SYSTEM

6V-5582 STARTING MOTOR GP-ELECTRIC

S/N: KPS1-UP

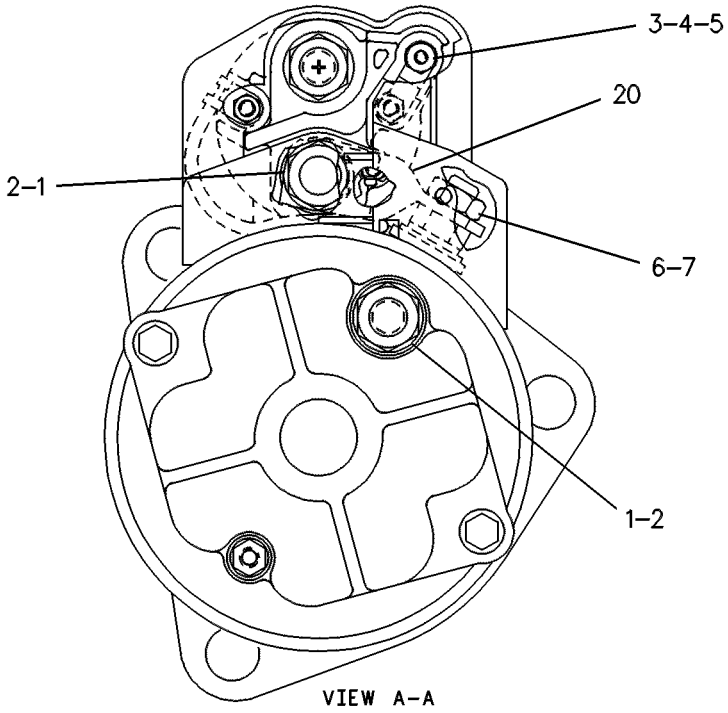
24 VOLT

PART OF 207-1556 STARTING MOTOR GP-ELECTRIC

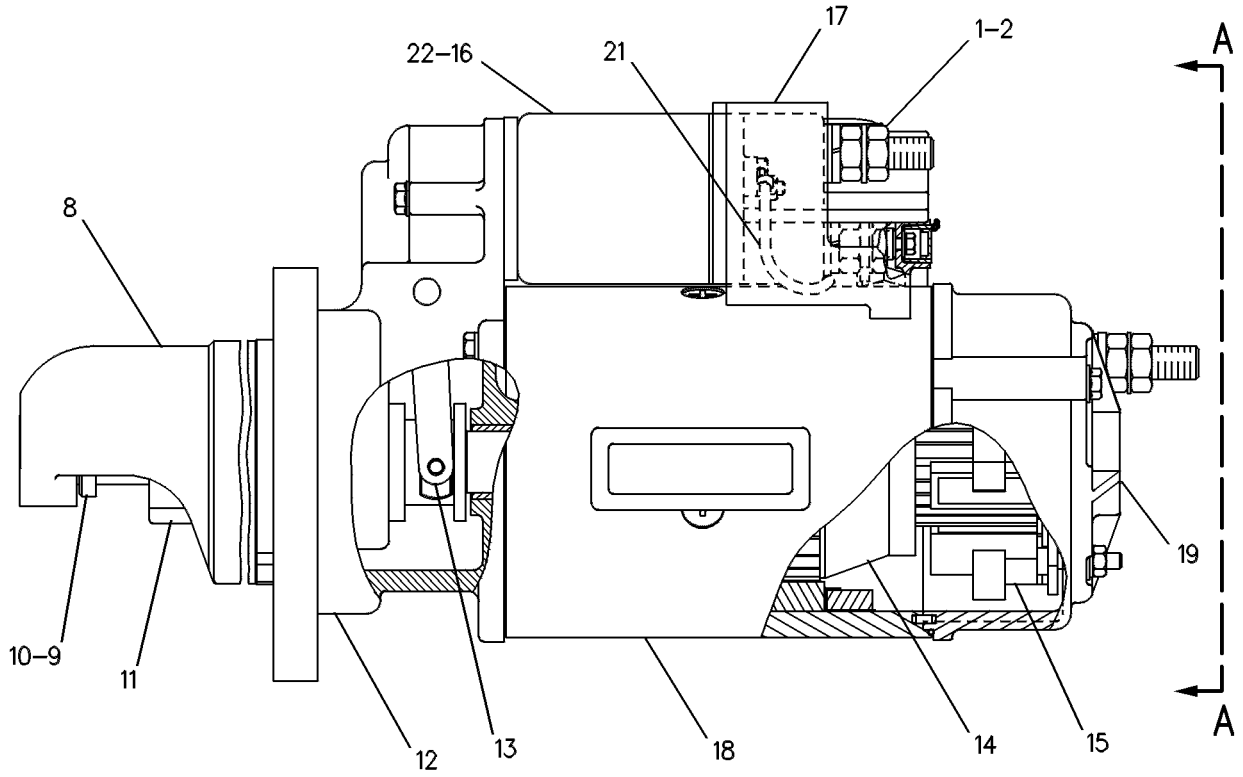
SMCS-1453 **i01836564**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-8188**	3	NUT (1/2-13 THD)	
	2	1	**7X-0562**	3	WASHER-HARD (13.5X19X0.8MM THK)	
	3	1	**4B-2049**	1	NUT (10-32 THD)	
	4	1	**8F-1434**	1	LOCKWASHER	
	5	1	**8T-0328**	1	WASHER-HARD (5.5X10X1MM THK)	
M	6	1	**8T-4133**	1	NUT (M10X1.5 THD)	
	7	1	**8T-4121**	1	WASHER-HARD (11X21X2.5MM THK)	
	8	1	**3E-0142**	1	HOUSING AS (DRIVE)	
	9	1	**3E-0141**	1	STOP-STARTING MOTOR	
	10	1	**4N-7521**	1	RING-LOCK	
	11	1	**3E-0146**	1	DRIVE AS-STARTING MOTOR	
	12	1	**3E-0144**	1	HOUSING AS (STARTER)	
	13	1	**3E-0140**	1	LEVER AS-STARTER	
	14	1	**3E-0138**	1	ARMATURE AS (24 VOLT)	
	15	1	**3E-0137**	1	HOLDER AS (STARTING MOTOR)	
	16	1	**3E-0135**	1	SOLENOID AS (24 VOLT) (STARTING MOTOR)	
	17	1	**3E-0125**	1	COVER AS-STARTING MOTOR	
	18	1	**3E-0139**	1	HOUSING AS (STARTER)	
	19	1	**3E-0136**	1	HOUSING AS (STARTER)	
	20	1	**3E-0132**	1	CONNECTOR	
	21	1	**3E-0133**	1	WIRE AS-STARTING MOTOR	
	22	1	**3E-0134**	1	COVER-PLUNGER	
					AVAILABLE REPAIR KIT(S):	
			3E-0127	1	KIT-BEARING (STARTING MOTOR)	
					(INCLUDES BEARINGS, SEAL AND BUSHING)	
			3E-0128	1	KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES O-RINGS, SCREW, SPRING, AND BRUSH)	
			3E-0129	1	KIT-HARDWARE (STARTING MOTOR)	
					(INCLUDES WASHERS, BOLTS, LOCKWASHERS, NUTS, BUSHINGS, AND PLATE)	
			3E-0145	1	KIT-STARTING MOTOR PIN	
					(INCLUDES O-RINGS, SHAFT, AND RING)	
			3E-0130	1	KIT-STARTING MOTOR SEAL	
					(INCLUDES SEAL AND O-RINGS)	
			3E-0131	1	KIT-WASHER (STARTING MOTOR)	
					(INCLUDES WASHERS)	

M-METRIC PART



VIEW A–A



GRAPHIC #1 **<END>** g00084516

207-1556 STARTING MOTOR GP-ELECTRIC

S/N: KPS1-UP

24 VOLT

FIELD REPLACEMENT FOR 207-1557—PAGE 425: FOR 207-1564—PAGE 427

SMCS-1453 **i01592733**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*6V-5582*	1	STARTING MOTOR GP-ELECTRIC	422
			—OR—	
Y	*207-1557*	1	STARTING MOTOR GP-ELECTRIC	425

Y-SEPARATE ILLUSTRATION

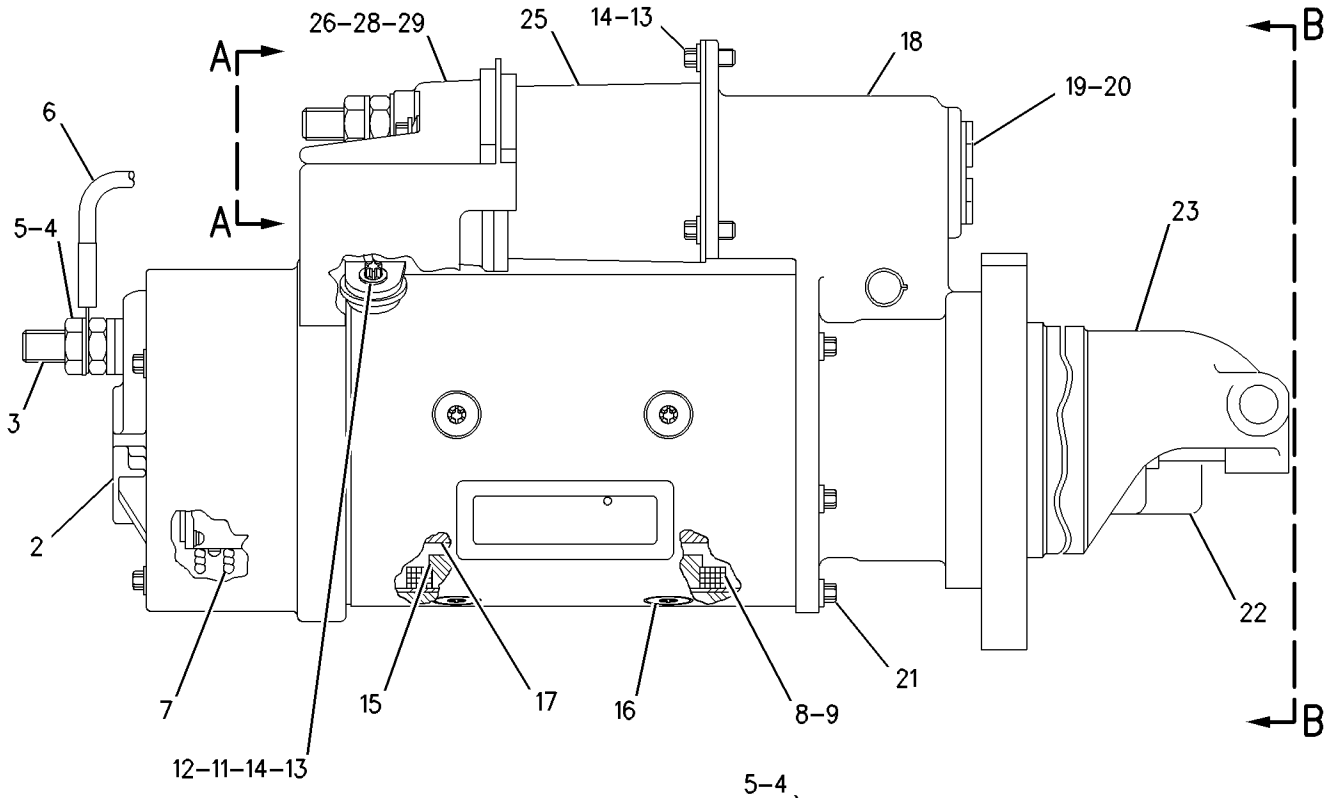
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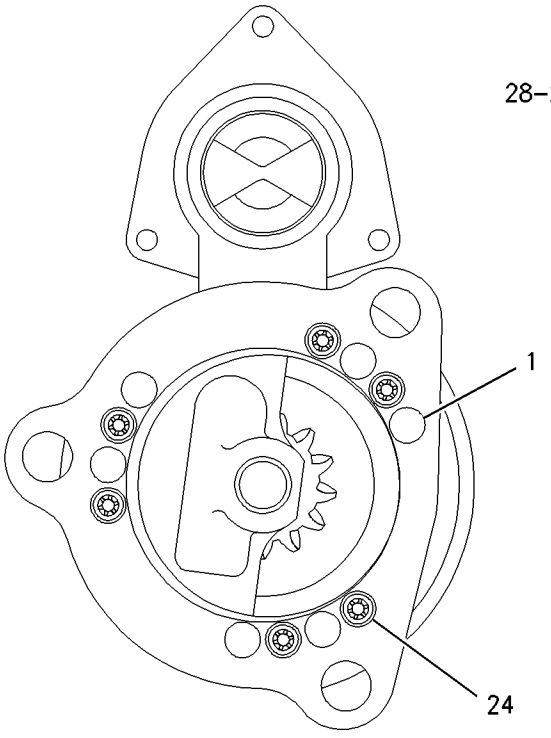
207-1557 STARTING MOTOR GP-ELECTRIC

S/N: KPS1-UP
24 VOLT
PART OF 207-1556 STARTING MOTOR GP-ELECTRIC
FIELD REPLACEMENT ORDER 207-1556—PAGE 424

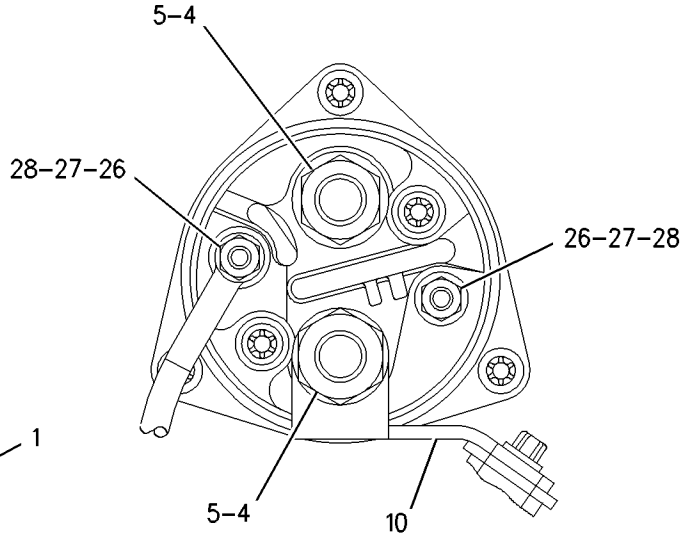
SMCS-1453 **i01829205**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3T-3434**	6	PLUG	
	2	1	**7T-3279**	1	HOUSING AS	
	3	1	**8T-8566**	1	TERMINAL AS	
	4	1	**6V-8188**	4	NUT (1/2-13 THD)	
	5	1	**7X-0562**	4	WASHER-HARD (13.5X19X0.8MM THK)	
	6	1	**3T-3422**	1	WIRE AS	
	7	1	**7T-3278**	1	HOLDER AS-BRUSH (STARTING MOTOR)	
	8	1	**7T-3277**	1	COIL AS-FIELD	
	9	1	**7T-3454**	1	INSULATOR	
	10	1	**7T-3271**	1	CONNECTOR	
	11	1	**7T-3451**	1	INSULATOR-TERMINAL	
	12	1	**8T-8569**	1	INSULATOR-TERMINAL	
	13	1	**5S-7349**	4	BOLT (1/4-20X0.5 IN)	
	14	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2MM THK)	
	15	1	**8H-1141**	4	SHOE-POLE	
	16	1	**3F-0379**	8	SCREW-POLE SHOE (3/8-24 THD)	
	17	1	**7T-3276**	1	ARMATURE AS (24 VOLT)	
	18	1	**3E-7775**	1	HOUSING AS	
	19	1	**4M-1831**	1	PLUG-LEVER HOUSING	
	20	1	**7L-2894**	1	GASKET	
	21	1	**036-9823**	5	BOLT	
	22	1	**6N-3826**	1	DRIVE AS-MOTOR	
	23	1	**7T-3974**	1	HOUSING AS-DRIVE	
	24	1	**7X-3373**	6	BOLT (5/16-18X0.88 IN)	
	25	1	**193-8570**	1	SOLENOID AS (24 VOLT) (STARTING MOTOR)	
	26	1	**6V-8378**	3	NUT (10-32 THD)	
	27	1	**8F-1434**	2	LOCKWASHER	
	28	1	**8T-0328**	3	WASHER-HARD (5.5X10X1MM THK)	
	29	1	**9X-4824**	1	COVER-STARTING MOTOR	
					AVAILABLE REPAIR KIT(S):	
			7T-3268		KIT-LEVER (STARTING MOTOR)	
					(INCLUDES LEVER ASSEMBLIES, SEALS, NUT, GASKET & RETAINER)	
			7T-3267		KIT-BUSHING (STARTING MOTOR)	
					(INCLUDES BUSHINGS, WICKS, CUPS, SEALS, GASKET, SCREW ASSEMBLIES, WASHERS, SPACER & NUT)	
			8C-3655		KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES BRUSHES, SPRINGS, SCREWS, SCREW ASSEMBLIES & SEAL)	
			8T-9884		KIT-INSULATOR (STARTING MOTOR)	
					(INCLUDES INSULATORS AND BUSHING)	





VIEW B–B



VIEW A–A

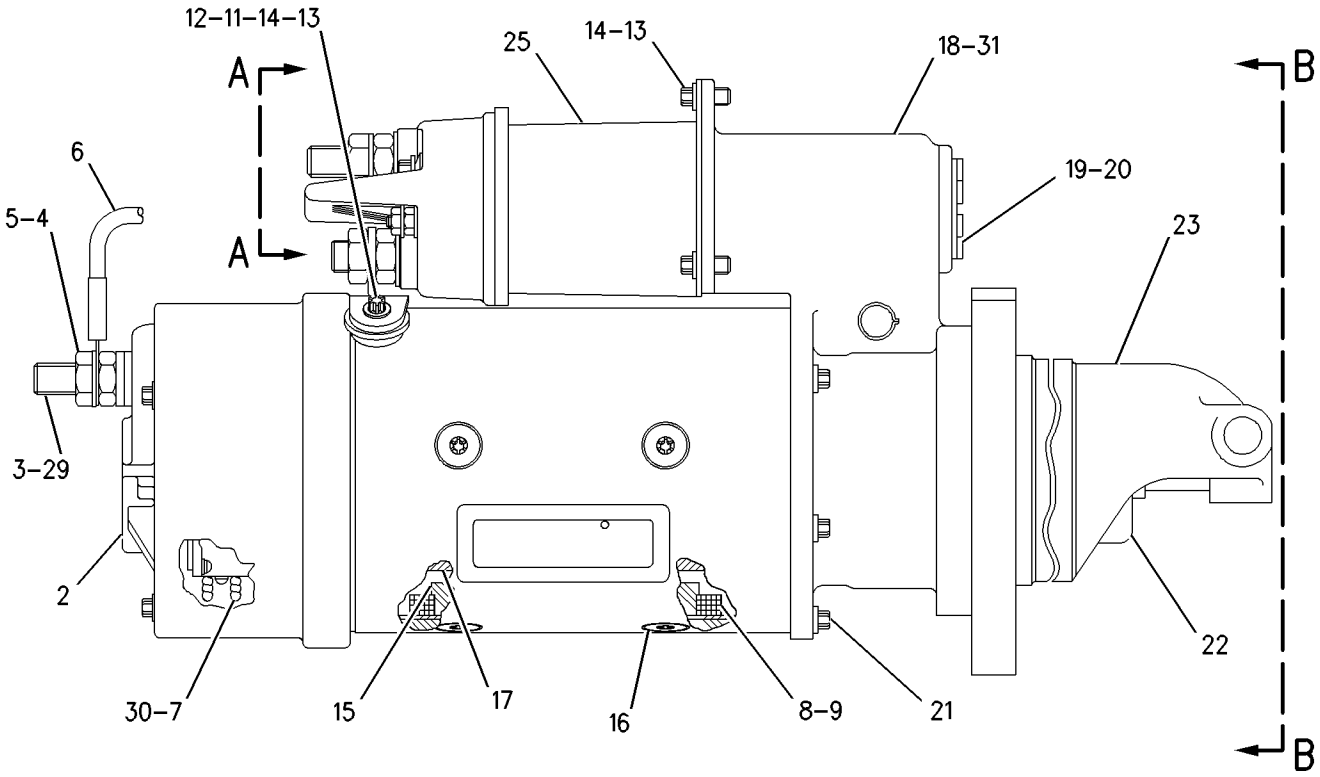
GRAPHIC #1 **<END>** g00826583

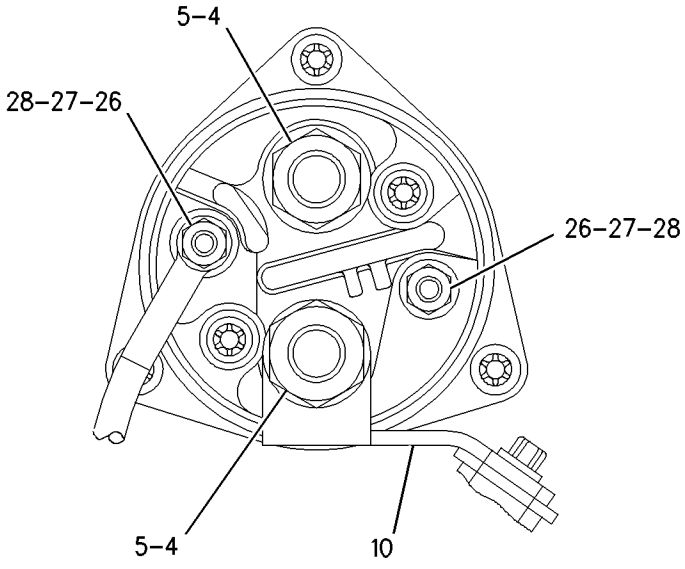
207-1564 STARTING MOTOR GP-ELECTRIC

S/N: KPS1-UP
24 VOLT
PART OF 4N-1062 STARTING MOTOR GP-ELECTRIC
FIELD REPLACEMENT ORDER 207-1556—PAGE 424
AN ATTACHMENT

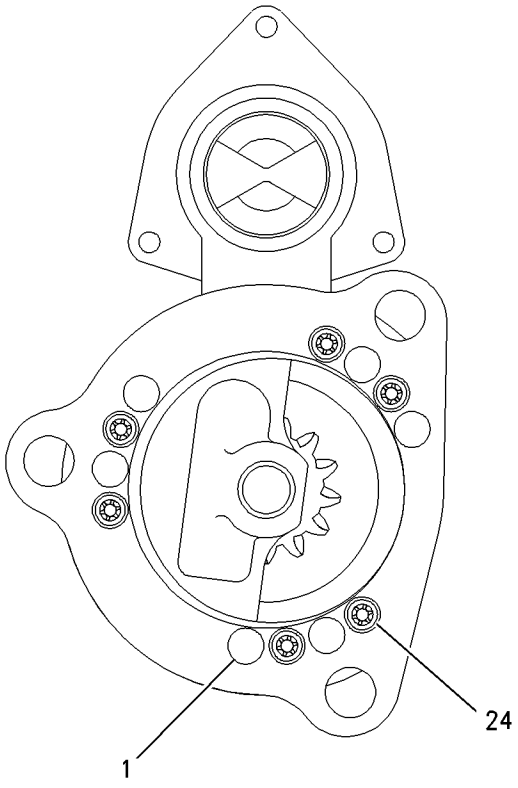
SMCS-1453 **i01844754**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3T-3434**	6	PLUG	
	2	1	**7T-3279**	1	HOUSING AS	
	3	1	**8T-8566**	1	TERMINAL AS	
	4	1	**6V-8188**	4	NUT (1/2-13 THD)	
	5	1	**7X-0562**	4	WASHER-HARD (13.5X19X0.8MM THK)	
	6	1	**3T-3422**	1	WIRE AS	
	7	1	**7T-3278**	1	HOLDER AS-BRUSH (STARTING MOTOR)	
	8	1	**7T-3277**	1	COIL AS-FIELD	
	9	1	**7T-3454**	1	INSULATOR	
	10	1	**7T-3271**	1	CONNECTOR	
	11	1	**7T-3451**	1	INSULATOR-TERMINAL	
	12	1	**8T-8569**	1	INSULATOR-TERMINAL	
	13	1	**5S-7349**	4	BOLT (1/4-20X0.5 IN)	
	14	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2MM THK)	
	15	1	**8H-1141**	4	SHOE-POLE	
	16	1	**3F-0379**	8	SCREW-POLE SHOE (3/8-24 THD)	
	17	1	**7T-3276**	1	ARMATURE AS (24 VOLT)	
	18	1	**7T-3973**	1	HOUSING AS-LEVER	
	19	1	**4M-1831**	1	PLUG-LEVER HOUSING	
	20	1	**7L-2894**	1	GASKET	
	21	1	**036-9823**	5	BOLT	
	22	1	**6N-3826**	1	DRIVE AS-MOTOR	
	23	1	**7T-3974**	1	HOUSING AS-DRIVE	
	24	1	**7X-3373**	6	BOLT (5/16-18X0.88 IN)	
	25	1	**193-8570**	1	SOLENOID AS (24 VOLT) (STARTING MOTOR)	
	26	1	**6V-8378**	2	NUT (10-32 THD)	
	27	1	**8F-1434**	2	LOCKWASHER	
	28	1	**8T-0328**	2	WASHER-HARD (5.5X10X1MM THK)	
	29	1	**8T-9884**	1	KIT-INSULATOR (STARTING MOTOR)	
					(INCLUDES INSULATORS & BUSHING)	
	30	1	**8C-3655**	1	KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES SEAL, BRUSHES, SPRINGS, SCREWS & SCREW ASSEMBLIES)	
	31	1	**7T-3268**	1	KIT-LEVER (STARTING MOTOR)	
					(INCLUDES NUT, GASKET, RETAINER, SEALS & LEVER ASSEMBLIES)	
					AVAILABLE REPAIR KIT(S):	
			7T-3267	1	KIT-BUSHING (STARTING MOTOR)	
					(INCLUDES BUSHINGS, WICKS, CUP, SEALS, GASKET, SCREWS, WASHERS & NUT)	





VIEW A–A



VIEW B–B

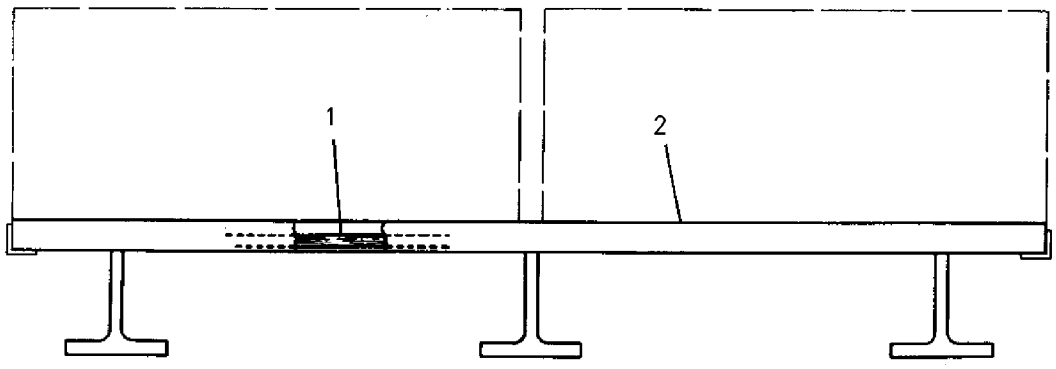
GRAPHIC #1 **<END>** g00819081

3N-7056 SUPPORT GP-BATTERY

S/N: KPS1-UP
FLOOR TYPE, WILL HOLD 2 BATTERIES
AN ATTACHMENT

SMCS-7257 **i01380951**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-7055**	1	BOARD	
	2	1	**3N-7054**	1	SUPPORT AS-BATTERY	



GRAPHIC #1 **<END>** g00729953

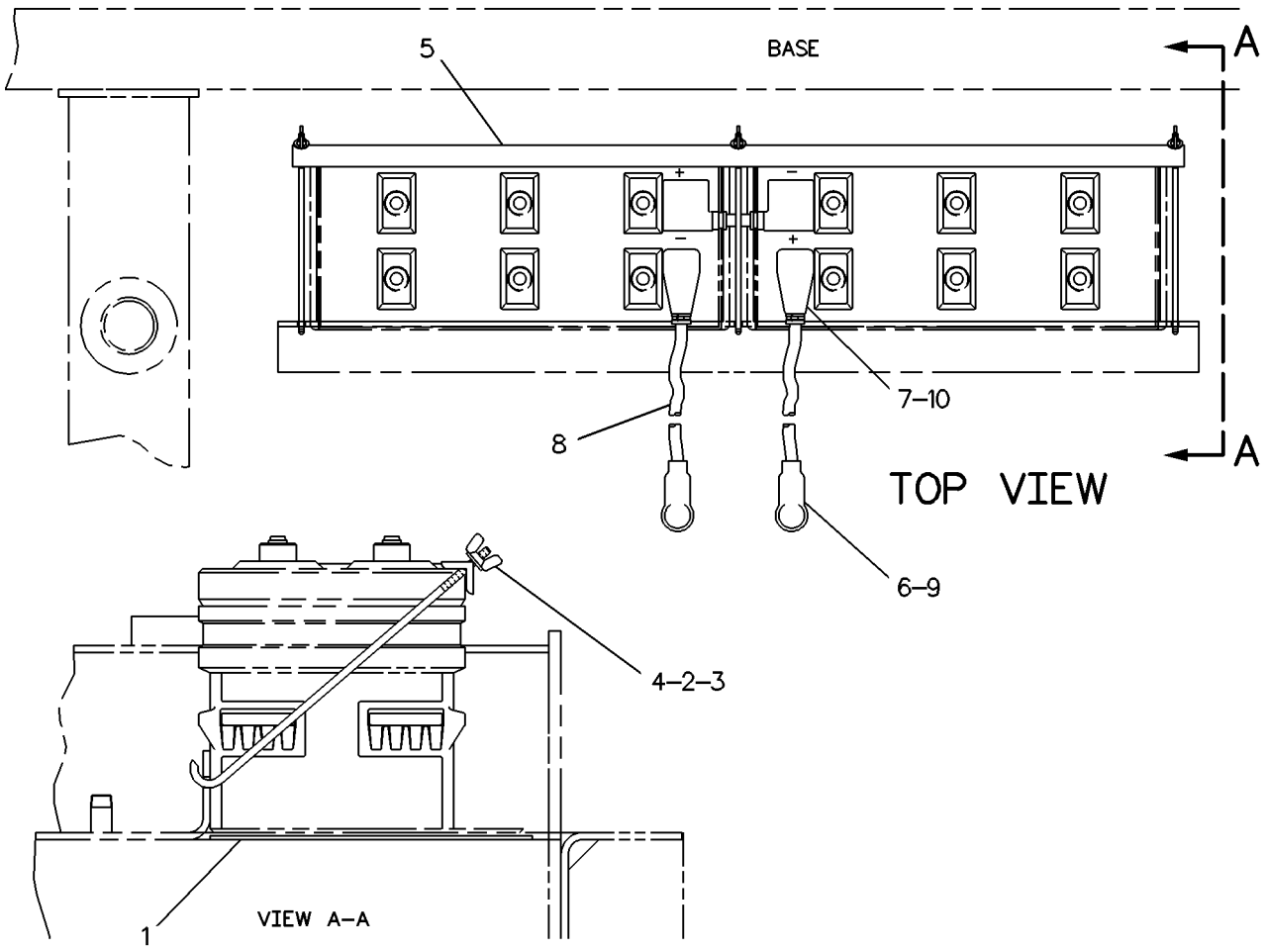
9Y-6387 SUPPORT GP-BATTERY

S/N: KPS1-UP
FOR USE WITH FUEL TANK BASE
AN ATTACHMENT

SMCS-7257 **i00706975**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5H-0071**	2	MAT-BATTERY	
	2	1	**8T-4205**	3	WASHER-HARD (2MM THK)	
	3	1	**5N-2144**	3	BOLT	
	4	1	**035-0499**	3	NUT-WING	
	5	1	**5N-2145**	1	ANGLE	
	6	1	**8N-0869**	1	COVER (RED)(RING) (POSITIVE)	
		1	**9G-8909**	1	COVER (BLACK)(RING) (NEGATIVE)	
	7	1	**7N-5274**	1	COVER (BLACK)(BATTERY) (NEGATIVE)	
		1	**8N-1725**	1	COVER (RED)(BATTERY) (POSITIVE)	
		1	**8L-8413**	2	STRAP-CABLE (1.12IN DIA)	
	8	1	**5N-5285**	2	CABLE AS	
					(EACH INCLUDES)	
E		1	**5P-0746**		CABLE (0 GA) (46CM)	
	9	1	**1M-4986**	1	TERMINAL (FOR 1/2IN BOLT)	
	10	1	**3D-2098**	1	TERMINAL AS (POS)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00213665

128-5097 SUPPORT GP-BATTERY

S/N: KPS1-UP

FOR USE WITH STATIONARY BASE OR WIDE SKIDDABLE BASE. CANNOT BE USED WITH NARROW BASE, SKIDDABLE FUEL TANK BASE

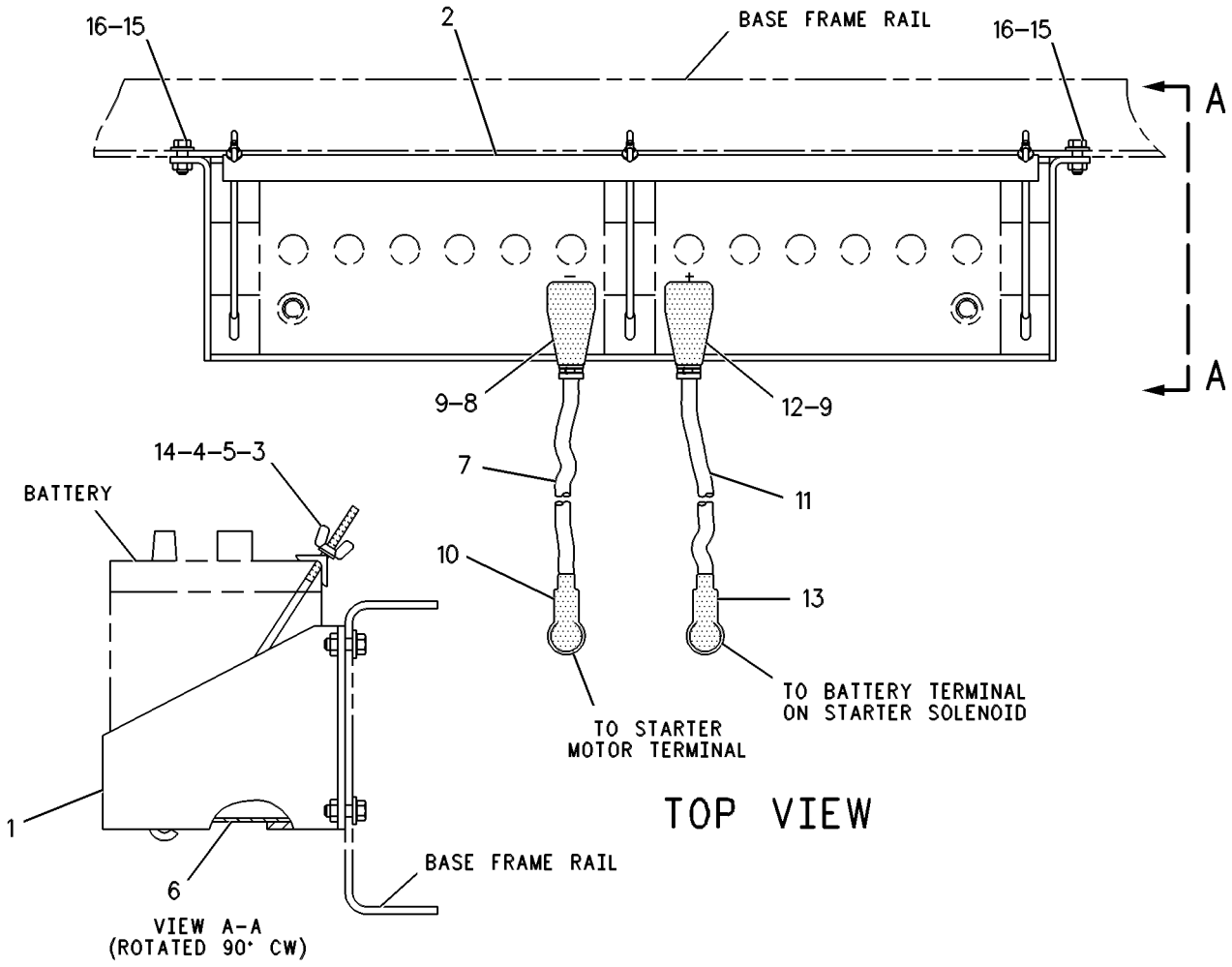
AN ATTACHMENT

SMCS-7257 **i01786865**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**128-5096**	1	SUPPORT AS	
		1	**1F-0750**	4	NUT-WELD (3/8-16 THD)	
	2	1	**9Y-1921**	1	ANGLE	
	3	1	**5N-2144**	3	BOLT (BATTERY RETAINER)	
	4	1	**8T-4205**	3	WASHER-HARD (7.2X14.5X2MM THK)	
	5	1	**035-0499**	3	NUT-WING	
	6	1	**9Y-3750**	2	MAT-BATTERY	
	7	1	**053-0103**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00GA)(BLACK) (13.97CM)	
		1	**3S-6049**	1	TERMINAL AS-BATTERY (POSITIVE)	
		1	**1M-6119**	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
		1	**1S-7251**	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	8	1	**7N-5274**	1	COVER-TERMINAL (BLACK)	
	9	1	**8L-8413**	2	STRAP-CABLE	
	10	1	**9G-8909**	1	COVER-TERMINAL (BLACK)	
	11	1	**2G-5836**	1	CABLE AS	
		1	**1M-4986**	1	TERMINAL-RING (FOR 1/2IN BOLT)	
		1	**1M-6119**	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
E		1	**5P-0760**	1	CABLE (0 GA) (13CM)	
		1	**8T-9758**	1	TERMINAL AS (POS)	
	12	1	**8N-1725**	1	COVER-TERMINAL (RED)	
	13	1	**8N-0869**	1	COVER-TERMINAL (RED)	
	14	1	**8C-0620**	3	PROTECTOR-THREAD	
	15	1	**4L-6454**	4	BOLT (3/8-16X1 IN)	
	16	1	**5P-1075**	4	WASHER-HARD (10.2X22.5X3MM THK)	

E-ORDER BY THE CENTIMETER

128-5097 **SUPPORT GP-BATTERY** ***(contd.)*** **i01786865**



GRAPHIC #1 **<END>** g00256151

128-5214 SUPPORT GP-BATTERY

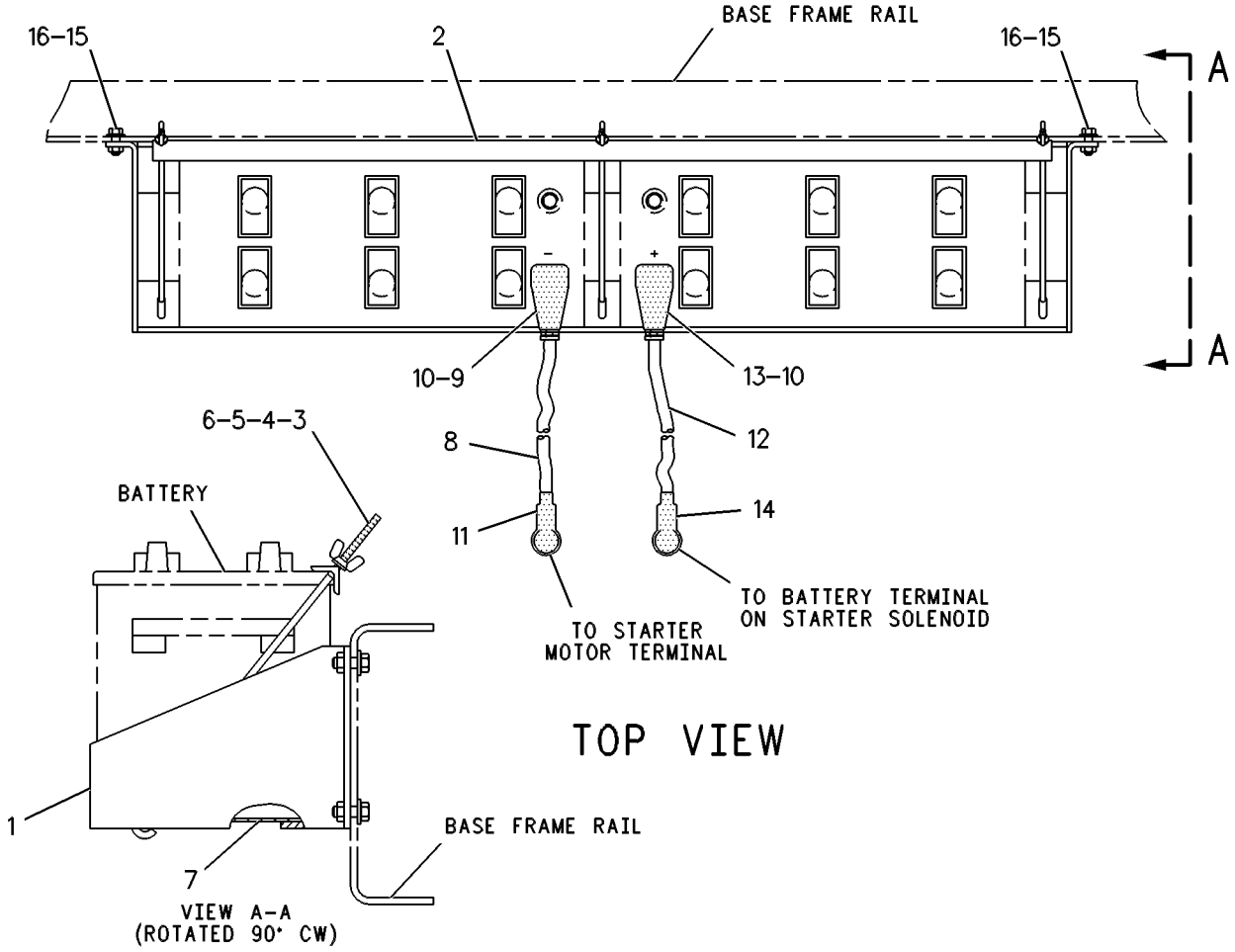
S/N: KPS1-UP

FOR USE WITH 7L-7871—PAGE 304, 7L-7872—PAGE 305. CANNOT BE USED WITH NARROW BASE GROUP, WIDE SKIDDABLE FUEL TANK BASE GROUP AN ATTACHMENT

SMCS-7257 **i01774990**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**128-5213**	1	SUPPORT AS	
		1	**1F-0750**	4	NUT-WELD (3/8-16 THD)	
		1	**9F-2978**	4	NUT-WELD (3/8-16 THD)	
	2	1	**5N-2145**	1	ANGLE	
	3	1	**5N-2042**	3	BOLT	
	4	1	**8T-4205**	3	WASHER-HARD (7.2X14.5X2MM THK)	
	5	1	**035-0499**	3	NUT-WING	
	6	1	**8C-0620**	3	PROTECTOR-THREAD	
	7	1	**128-5212**	2	MAT-BATTERY	
	8	1	**053-0103**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00GA)(BLACK) (13.97CM)	
		1	**8T-9758**	1	TERMINAL AS (POS)	
		1	**1S-7251**	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	9	1	**7N-5274**	1	COVER-TERMINAL (BLACK)	
	10	1	**8L-8413**	2	STRAP-CABLE	
	11	1	**9G-8909**	1	COVER-TERMINAL (BLACK)	
	12	1	**2G-5836**	1	CABLE AS	
		1	**1M-4986**	1	TERMINAL-RING (FOR 1/2IN BOLT)	
		1	**1M-6119**	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	**1M-6120**	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
E		1	**5P-0760**		CABLE (0 GA) (130CM)	
		1	**8T-9758**	1	TERMINAL AS (POS)	
	13	1	**8N-1725**	1	COVER-TERMINAL (RED)	
	14	1	**8N-0869**	1	COVER-TERMINAL (RED)	
	15	1	**4L-6454**	2	BOLT (3/8-16X1 IN)	
	16	1	**5P-1075**	4	WASHER-HARD (10.2X22.5X3MM THK)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00256208

130-7435 SUPPORT GP-BATTERY

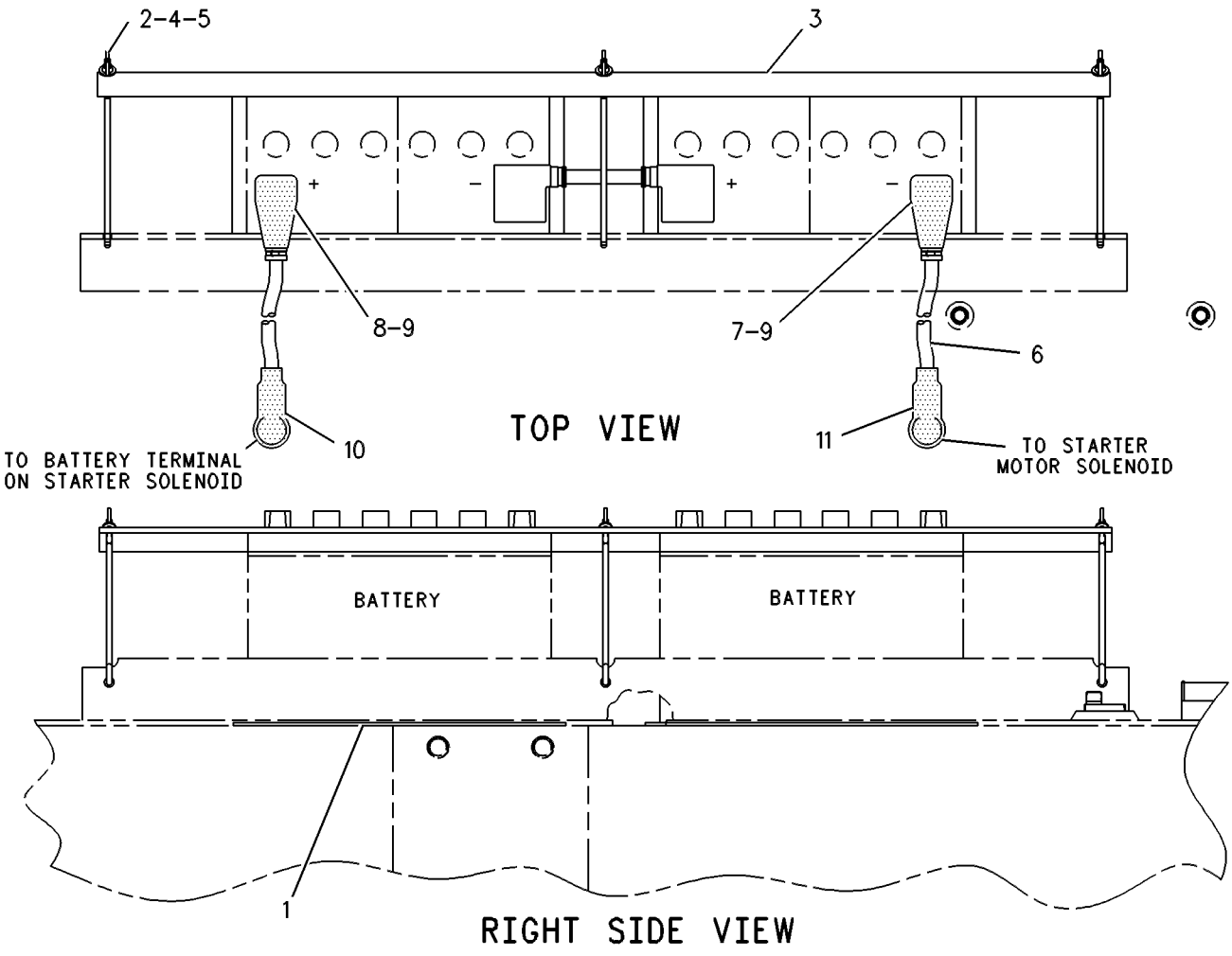
S/N: KPS1-UP

CANNOT BE USED WITH STATIONARY BASE, WIDE SKIDDABLE ENGINE BASE OR STACK-ON BASE AN ATTACHMENT

SMCS-7257 **i00707063**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-3750**	2	MAT-BATTERY	
	2	1	**7E-3674**	3	BOLT	
	3	1	**5N-2145**	1	ANGLE	
	4	1	**8T-4205**	3	WASHER-HARD (2MM THK)	
	5	1	**035-0499**	3	NUT-WING	
	6	1	**5N-5285**	2	CABLE AS	
					(EACH INCLUDES)	
		1	**1M-4986**	1	TERMINAL (FOR 1/2IN BOLT)	
		1	**3D-2098**	1	TERMINAL AS (POS)	
		1	**1M-6119**	1	BOLT-BATTERY TERMINAL (5/16-18X1.375IN)	
		1	**1M-6120**	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
E		1	**5P-0746**		CABLE (0 GA) (46CM)	
	7	1	**7N-5274**	1	COVER (BLACK)(BATTERY)	
	8	1	**8N-1725**	1	COVER (RED)(BATTERY)	
	9	1	**8L-8413**	2	STRAP-CABLE (1.12IN DIA)	
	10	1	**8N-0869**	1	COVER (RED)(RING)	
	11	1	**9G-8909**	1	COVER (BLACK)(RING)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

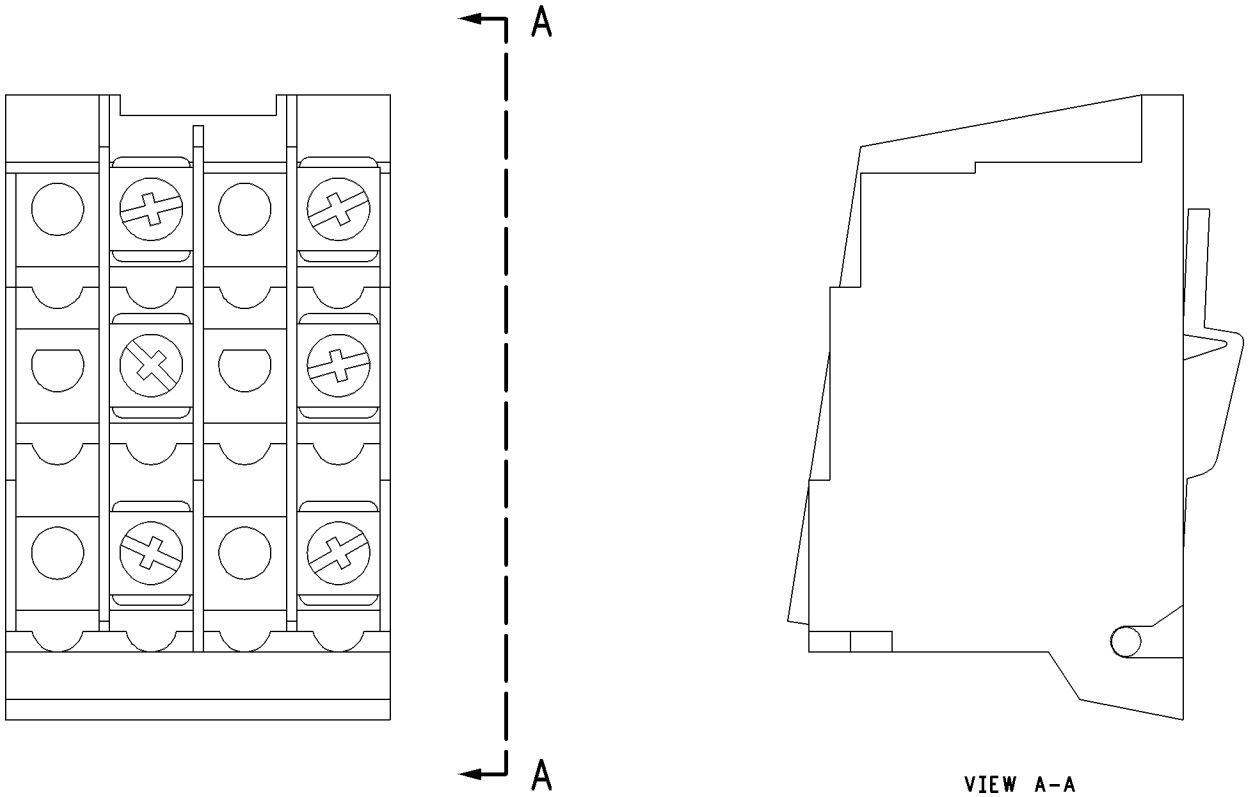
g00256668

105-7931 SWITCH AS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
RATES 6 AMPERES AT 480 VOLTS AC AND 3 AMPERES AT 600 VOLTS AC.
PROVIDES REMOTE INFORMATION OF THE BREAKER STATUS
PART OF 220-4380 SWITCH GP-AUXILIARY
FOR USE WITH 800, 1000, 1200 AMPERE CIRCUIT BREAKERS, 3 POLE, UL CIRCUIT BREAKER, RATED 700 TO 1250 AMPERES
AN ATTACHMENT

SMCS-1400, 1435, 4450 **i01023655**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00527862

113-0860 SWITCH AS–AUXILIARY

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CIRCUIT BREAKER OPENING/CLOSING AND FAULT INDICATOR INFORMATION.
INSTALL ON RH SIDE OF BREAKER UNDER FRONT COVER
PART OF 220-4382 SWITCH GP-AUXILIARY
AN ATTACHMENT

SMCS-1400, 1435, 4450 **i01280107**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

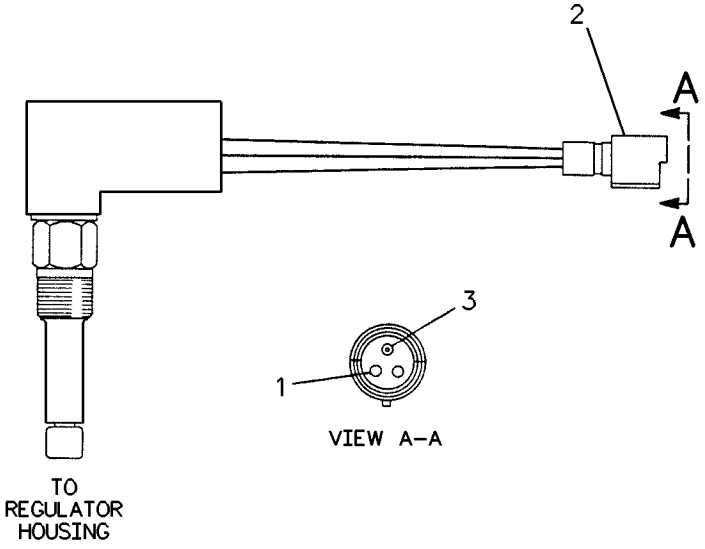
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2W-8916 SWITCH AS-TEMPERATURE

S/N: KPS1-UP
PART OF 7W-5342 CONTACTOR GP-ALARM
FOR USE WITH ELECTRIC SHUT-OFF SYSTEM
AN ATTACHMENT

SMCS-7400 **i00638663**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-7780**	2	PIN-CONNECTOR (BLADE)	
	2	1	**7N-7781**	1	HOUSING-RECEPTACLE	
	3	1	**7N-7779**	1	SOCKET (CONNECTOR)	



GRAPHIC #1 **<END>** g00210955

220-4380 SWITCH GP-AUXILIARY

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CIRCUIT BREAKER AUXILIARY CONTACTS
AN ATTACHMENT

SMCS-4450 **i01698172**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**105-7931**	1	SWITCH AS (REMOTE BREAKER STATUS)	437
Y-SEPARATE ILLUSTRATION				

<END>

220-4382 SWITCH GP-AUXILIARY

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CIRCUIT BREAKER AUXILIARY CONTACTS
AN ATTACHMENT

SMCS-4450 **i01698175**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**113-0860**	1	SWITCH AS (BREAKER STATUS)	438
Y-SEPARATE ILLUSTRATION				

<END>

220-4897 SWITCH GP-AUXILIARY

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CIRCUIT BREAKER AUXILIARY CONTACTS
AN ATTACHMENT

SMCS-4450 **i01707213**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*169-1866*	1	SWITCH GP-ENGINE (BREAKER STATUS)	441
Y-SEPARATE ILLUSTRATION				

<END>

169-1864 SWITCH GP-ENGINE—CIRCUIT BREAKER POSITION

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH 169-1828—PAGE 335, 169-1829—PAGE 336, 169-1830—PAGE 337, 169-1831—PAGE 338, 169-1832—PAGE 339, 169-1833—PAGE 340, 169-1834—PAGE 341, 169-1837—PAGE 342, 169-1839—PAGE 343
AN ATTACHMENT

SMCS-7332 **i01850677**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	143-7886	2	SWITCH AS-AUXILIARY (BREAKER POSITION INDICATOR)	
			(INSTALL IN POSITIONS 1 AND 2 OF NS CIRCUIT BREAKER)	

<END>

169-1866 SWITCH GP-ENGINE—CIRCUIT BREAKER POSITION

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 220-4897 SWITCH GP-AUXILIARY
FOR USE WITH 175-1329—PAGE 344, 175-1330—PAGE 345, 175-1335—PAGE 348
AN ATTACHMENT

SMCS-7332 **i01945780**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	143-7886	1	SWITCH AS-AUXILIARY (CIRCUIT BREAKER POSITION)	
			(SWITCH IS TO BE INSTALLED INTO POSITION OF1 OF THE NS CIRCUIT BREAKER TO PROVIDE BREAKER POSITION INDICATION)	
	143-7886	1	SWITCH AS-AUXILIARY (CIRCUIT BREAKER ALARM)	
			(SWITCH IS TO BE INSTALLED INTO POSITION SD OF THE NS CIRCUIT BREAKER TO PROVIDE ALARM INDICATION)	

<END>

3N-5979 SWITCH AS

S/N: KPS1-UP
4 POSITION-ENGINE CONTROL
PART OF 219-3214 PANEL GP-ELECTRONIC
AN ATTACHMENT

SMCS-1416 **i01738246**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

131-1967 SWITCH GP-GOVERNOR

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
SPEED
FOR USE WITH GOVERNOR CONTROL MOTOR OR PSG GOVERNOR, GENERATOR MOUNTED CONTROL PANEL
AN ATTACHMENT

SMCS-1264 **i01395199**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7N-8008	1	SWITCH GP-TOGGLE (2 POLE) (GOVERNOR)	
	6T-3632	1	LOCKWASHER (11.96X15.08X.53MM THK)	
	3L-8187	6	LOCKWASHER (#6)	
	6T-3631	2	NUT-HEX (15/32-32 THD)	
	6V-8374	6	SCREW-MACHINE (6-32X.25 IN)	
	6T-3633	1	LOCK RING (12.3MM ID)	

<END>

7C-4372 SWITCH GP-HEAT START

S/N: KPS1-UP

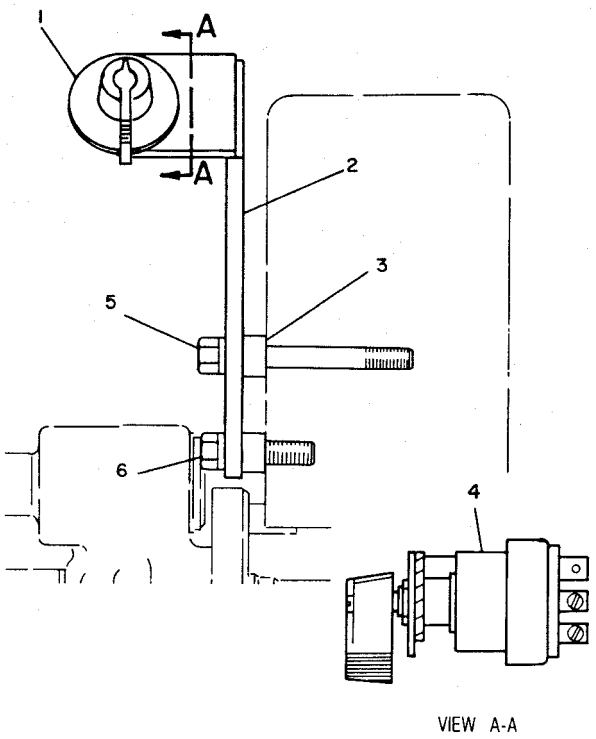
FOR USE WITH 103-1736—PAGE 448

AN ATTACHMENT

SMCS-1416 **i01946298**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8J-4785**	1	PLATE-INSTRUCTION (HEAT START)	
	2	1	**1W-2841**	1	BRACKET AS-SWITCH	
	3	1	**1L-5081**	2	SPACER (0.41X0.75X0.56 IN THK)	
Y	4	1	**9W-1077**	1	SWITCH GP-START (HEAT)	443
	5	1	**8T-9378**	1	BOLT (3/8-16X4 IN)	
	6	1	**8T-2501**	1	BOLT (3/8-16X2 IN)	

Y-SEPARATE ILLUSTRATION



VIEW A-A

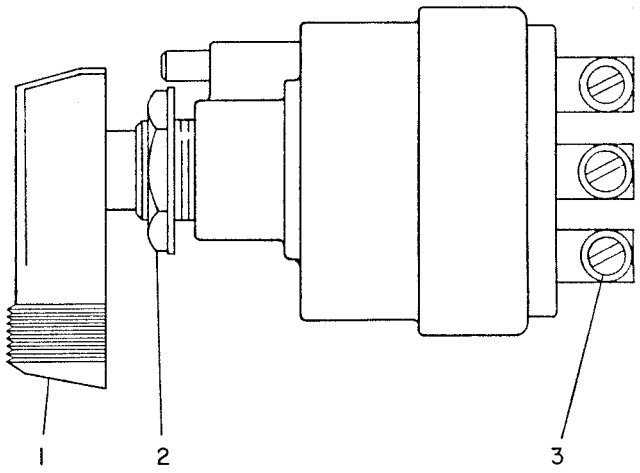
GRAPHIC #1 **<END>** g00190909

9W-1077 SWITCH GP-START

S/N: KPS1-UP
PART OF 7C-4372 SWITCH GP-HEAT START
AN ATTACHMENT

SMCS-1416 **i01901921**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8F-3437**	1	LEVER-SWITCH (START)	
		1	**5L-7200**	1	SCREW (8-32X0.375 IN)	
		1	**3B-4501**	1	LOCKWASHER	
	2	1	**8C-6808**	1	NUT (5/8-32 THD)	
		1	**7M-0327**	1	WASHER-THRUST (17.40X25.4X1.6MM THK)	
	3	1	**6V-8364**	4	SCREW-MACHINE	
		1	**8F-1434**	4	LOCKWASHER	



GRAPHIC #1 **<END>** g00184487

7C-7548 SWITCH GP-TEMPERATURE

S/N: KPS1-UP
LOW WATER TEMPERATURE ALARM
AN ATTACHMENT

SMCS-7400 **i01645333**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5B-4855	1	BUSHING-REDUCER	
	3N-7442	1	SWITCH AS-TEMPERATURE (LOW WATER TEMPERATURE ALARM)	

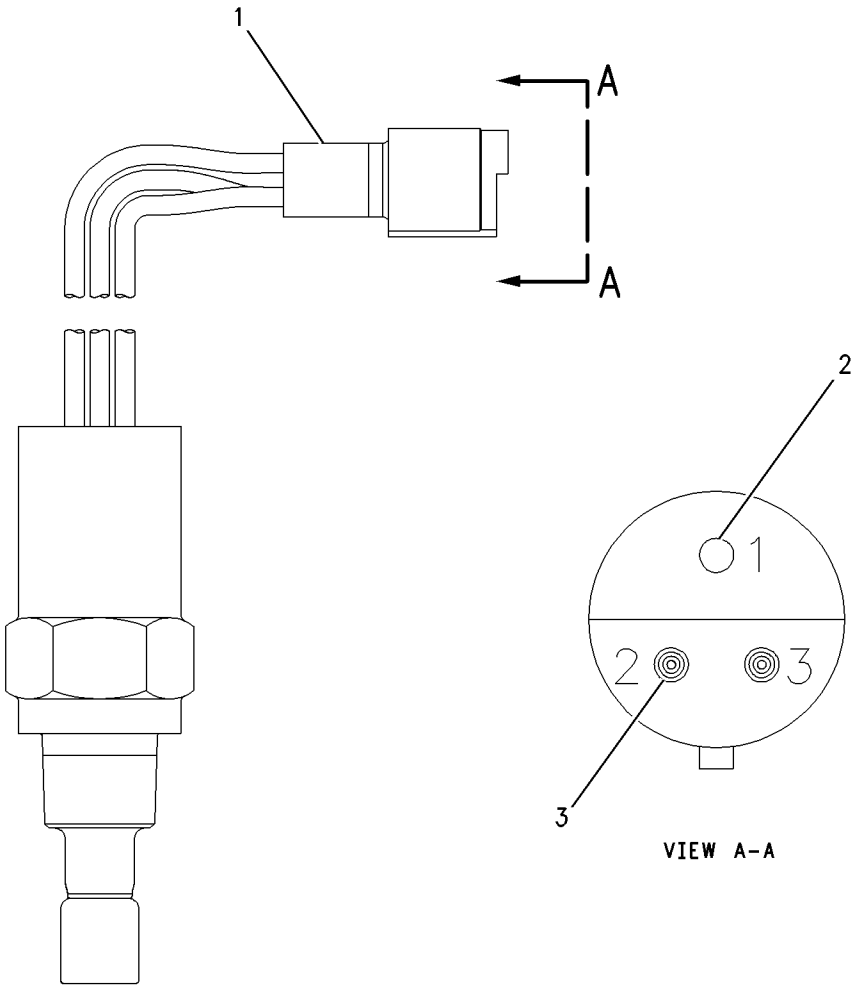
<END>

7C-9365 SWITCH GP-TEMPERATURE

S/N: KPS1-UP
PART OF 114-0863 CONTACTOR GP
AN ATTACHMENT

SMCS-7400 **i01318896**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-7781**	1	HOUSING-RECEPTACLE	
	2	1	**7N-7779**	1	SOCKET-CONNECTOR	
	3	1	**7N-7780**	2	PIN-CONNECTOR (BLADE)	



VIEW A-A

GRAPHIC #1 **<END>** g00698224

131-1977 SWITCH GP–STARTING AID

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

AN ATTACHMENT

SMCS-7332 **i01134049**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	8C-9812	1	SWITCH AS-TOGGLE (STARTING AID)	
			(FOR USE WITH AUTOMATIC ETHER AID ONLY)	
	9D-3721	1	SWITCH-TOGGLE (STARTING AID)	
			(FOR USE WITH MANUAL ETHER AID ONLY)	

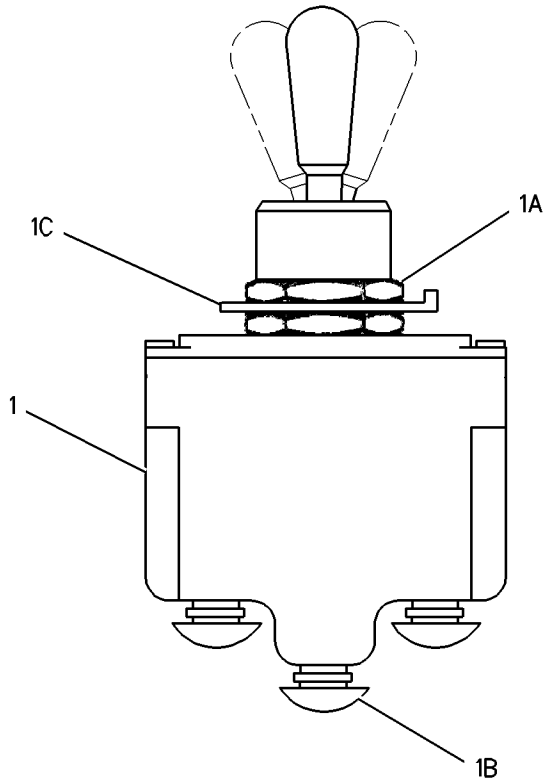
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219-3232 SWITCH GP-TOGGLE–START AID

S/N: KPS1-UP
AN ATTACHMENT

SMCS-7332 **i01778291**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8C-9812**	1	SWITCH AS-TOGGLE (START AID/ON-MOMENTARY-OFF)	
	1A	1	**6T-3631**	2	NUT-HEX (15/32-32 THD)	
	1B	1	**6V-8374**	3	SCREW-MACHINE (6-32X0.25 IN)	
		1	**3L-8187**	3	LOCKWASHER	
	1C	1	**6T-3633**	1	RING-LOCKING	
		1	**6T-3632**	1	LOCKWASHER	



GRAPHIC #1 **<END>** g00909234

103-1736 WIRING GP-PANEL

S/N: KPS1-UP
FOR USE WITH EMCP II
AN ATTACHMENT

SMCS-4459 **i01903153**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*7C-3491*	1	FASTENER GP-WIRING HARNESS	371
	4P-7974	1	HARNESS AS-WIRING	
	155-2270	2	KIT-CONNECTING PLUG (2 PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2260	3	KIT-CONNECTING PLUG (3 PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8803	1	KIT-RECEPTACLE (3 PIN) (WIRING HARNESS)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8805	1	KIT-RECEPTACLE (6 PIN) (WIRING HARNESS)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
			-OR-	
	129-6321	1	HARNESS AS-WIRING	
	102-8802	1	KIT-RECEPTACLE (2 PIN) (WIRING HARNESS)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8803	1	KIT-RECEPTACLE (3 PIN) (WIRING HARNESS)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8805	1	KIT-RECEPTACLE (6 PIN) (WIRING HARNESS)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	155-2260	3	KIT-CONNECTING PLUG (3 PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2270	5	KIT-CONNECTING PLUG (2 PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2274	2	KIT-CONNECTING PLUG (6 PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	

Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

141-2858 CONTROL AR-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES GENERATOR MOUNTED EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-4490 **i00918257**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**118-0175**	1	CONTROL GP-EMCP ELECTRONIC	462
Y	**118-2070**	1	CONTROL GP-EMCP ELECTRONIC	463
			—OR—	
Y	*118-2071*	1	CONTROL GP-EMCP ELECTRONIC	464

Y-SEPARATE ILLUSTRATION

<END>

219-3220 CONTROL AR-EMCP ELECTRONIC

S/N: KPS1-UP
FOR USE WITH GENERATOR MOUNTED EMCP II+ CONTROL PANEL
AN ATTACHMENT

SMCS-4490 **i01914124**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*118-0175*	1	CONTROL GP-EMCP ELECTRONIC (AC TRANSFORMER BOX +)	462
Y	*118-2071*	1	CONTROL GP-EMCP ELECTRONIC	464
	5H-6555	2	LOCKWASHER	
	223-7267	1	RELAY AS (EMCP CONTROL)	
	179-9956	1	DIODE (SURGE SUPPRESSOR)	
	211-0640	1	SPRING (RELAY)	
	223-6470	1	RELAY (CONTROL)	
	223-6471	1	BASE-RELAY	
	2N-3475	2	SCREW (6-32X.5IN)	

Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

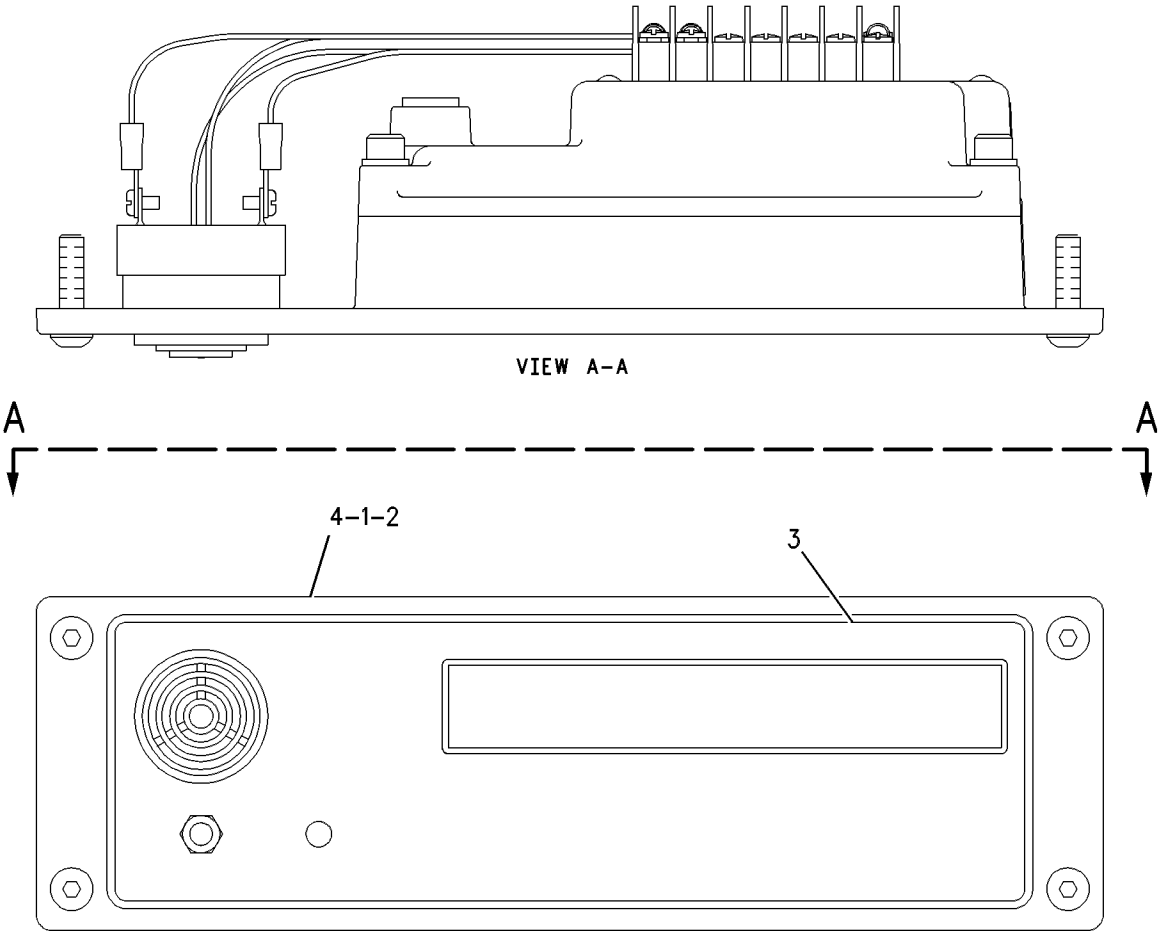
7E-1234 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 121-4707, 220-7915 MODULE GP-ALARM
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01955378**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
E	1	1	**5P-8435**		WIRE (22 GA) (8CM)	
Y	2	1	*130-3349*	1	CONTROL GP-ALARM MODULE	458
	3	1	**9Y-9776**	1	FILM (ANNUNCIATOR)	
	4	1	**5P-3059**	2	TERMINAL	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00664033

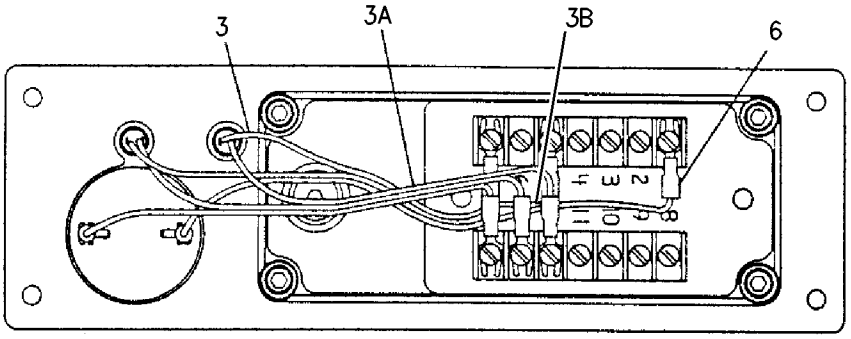
9W-3577 CONTROL GP-ALARM MODULE

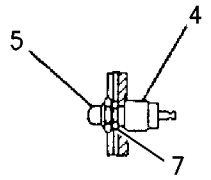
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
REMOTE 99
PART OF 131-1962, 131-1963, 7C-5296 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01849116**

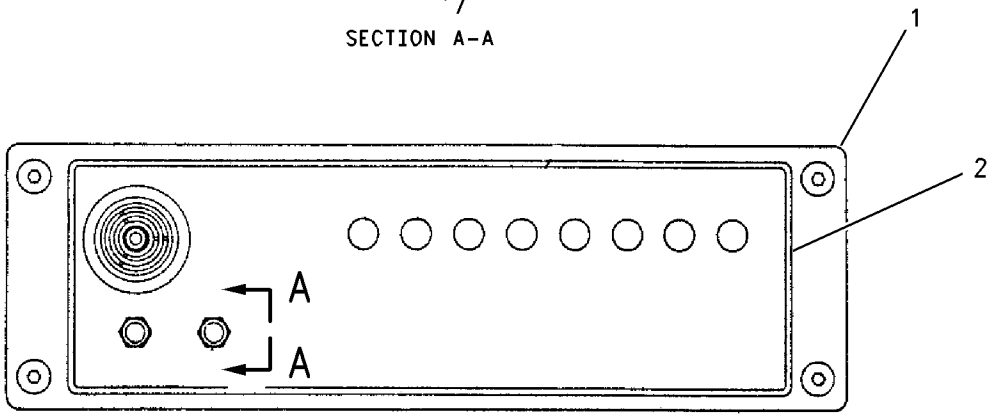
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**130-3349**	1	CONTROL GP-ALARM MODULE	458
	2	1	**7E-7848**	1	FILM-ANNUNCIATOR (CONTROL PANEL)	
BE	3	1	**5P-8435**		WIRE (22 GA) (42.5CM)	
BE	3A	1	**5P-8435**		WIRE (22 GA) (42.5CM)	
BE	3B	1	**5P-8435**		WIRE (22 GA) (8CM)	
	4	1	**9W-0073**	1	SWITCH (PANEL TEST)	
	5	1	**2W-4480**	1	BOOT-SWITCH	
	6	1	**5P-3059**	4	TERMINAL	
	7	1	**8C-6123**	1	NUT (1/4X40 THD)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION





SECTION A-A



GRAPHIC #1 **<END>** g00712824

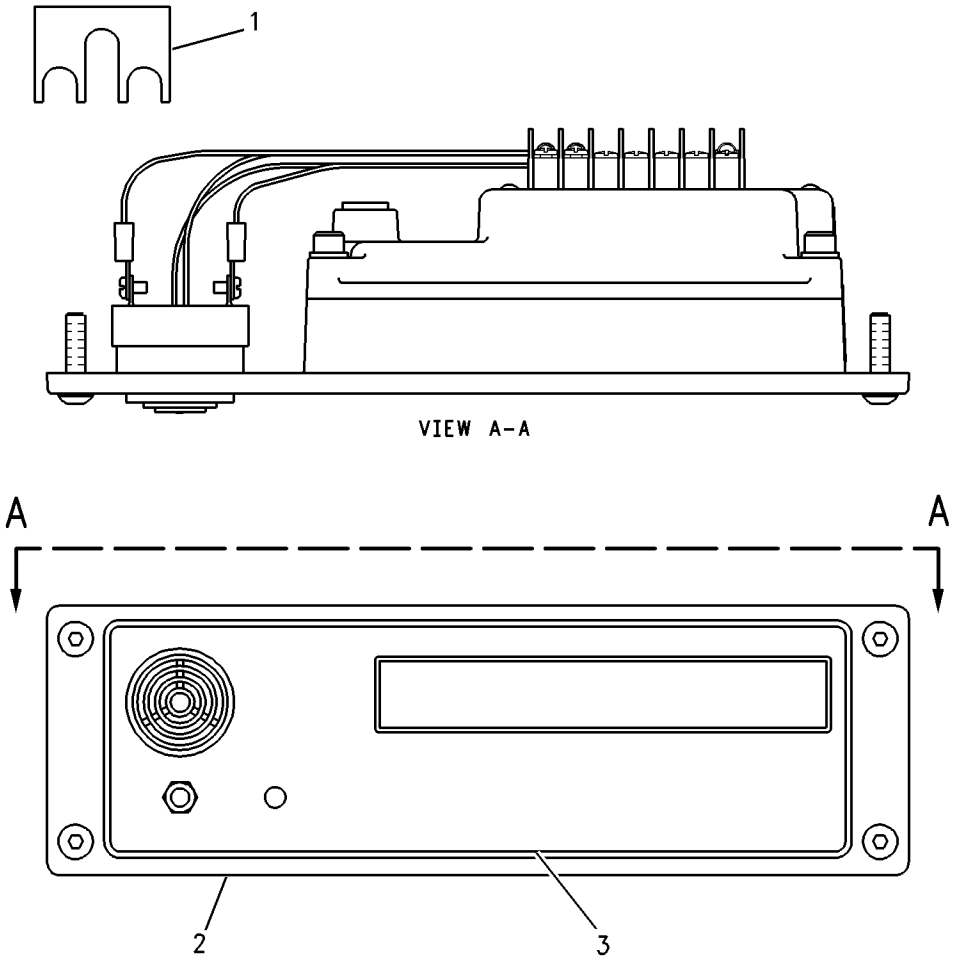
9Y-2906 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
NATIONAL FIRE PROTECTION ASSOCIATION 110
PART OF 121-4717, 220-7918 MODULE GP-ALARM
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01969278**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**8C-4646**	1	STRAP-JUMPER	
Y	2	1	**130-3349**	1	CONTROL GP-ALARM MODULE	458
	3	1	**7C-9130**	1	FILM-ANNUNCIATOR (CONTROL PANEL)	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00658782

OPERATOR STATION

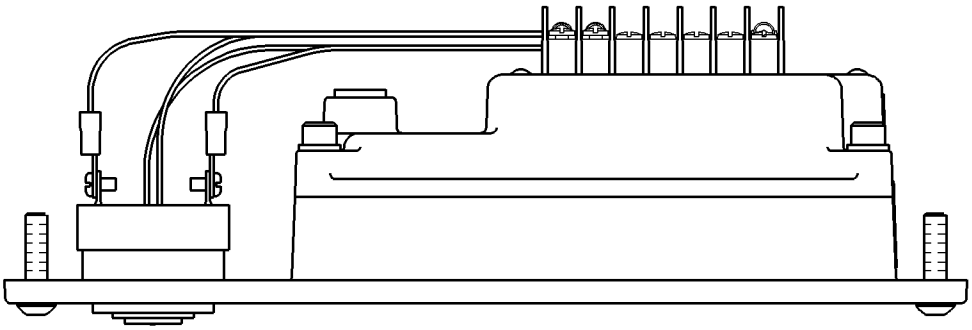
9Y-2907 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
NATIONAL FIRE PROTECTION ASSOCIATION 99
PART OF 121-4716, 220-8181 MODULE GP-ALARM
AN ATTACHMENT

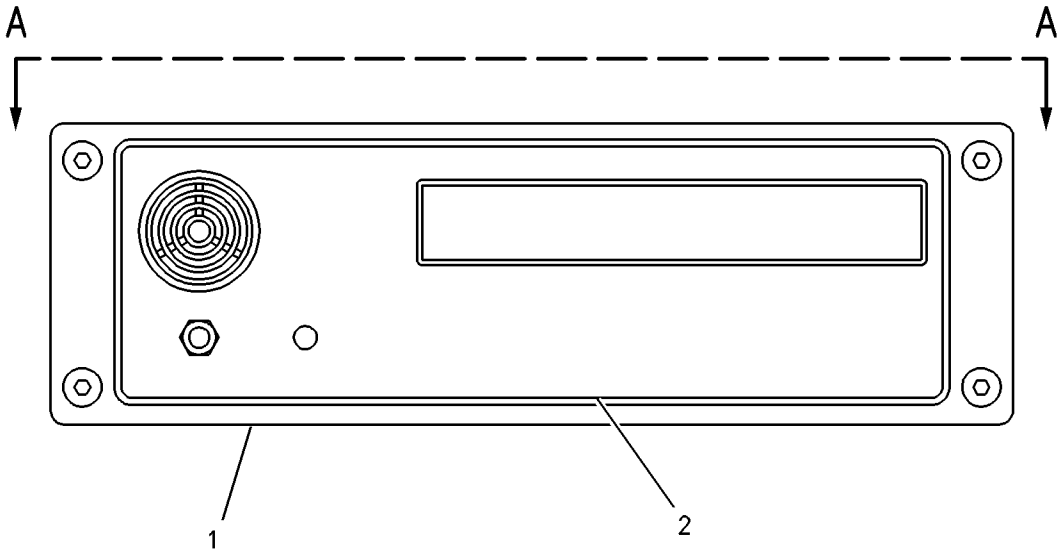
SMCS-4490, 7407, 7490 **i01956694**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**130-3349**	1	CONTROL GP-ALARM MODULE	458
	2	1	**9Y-0947**	1	FILM-ANNUNCIATOR (CONTROL PANEL)	

Y-SEPARATE ILLUSTRATION



VIEW A-A



GRAPHIC #1 **<END>** g00658790

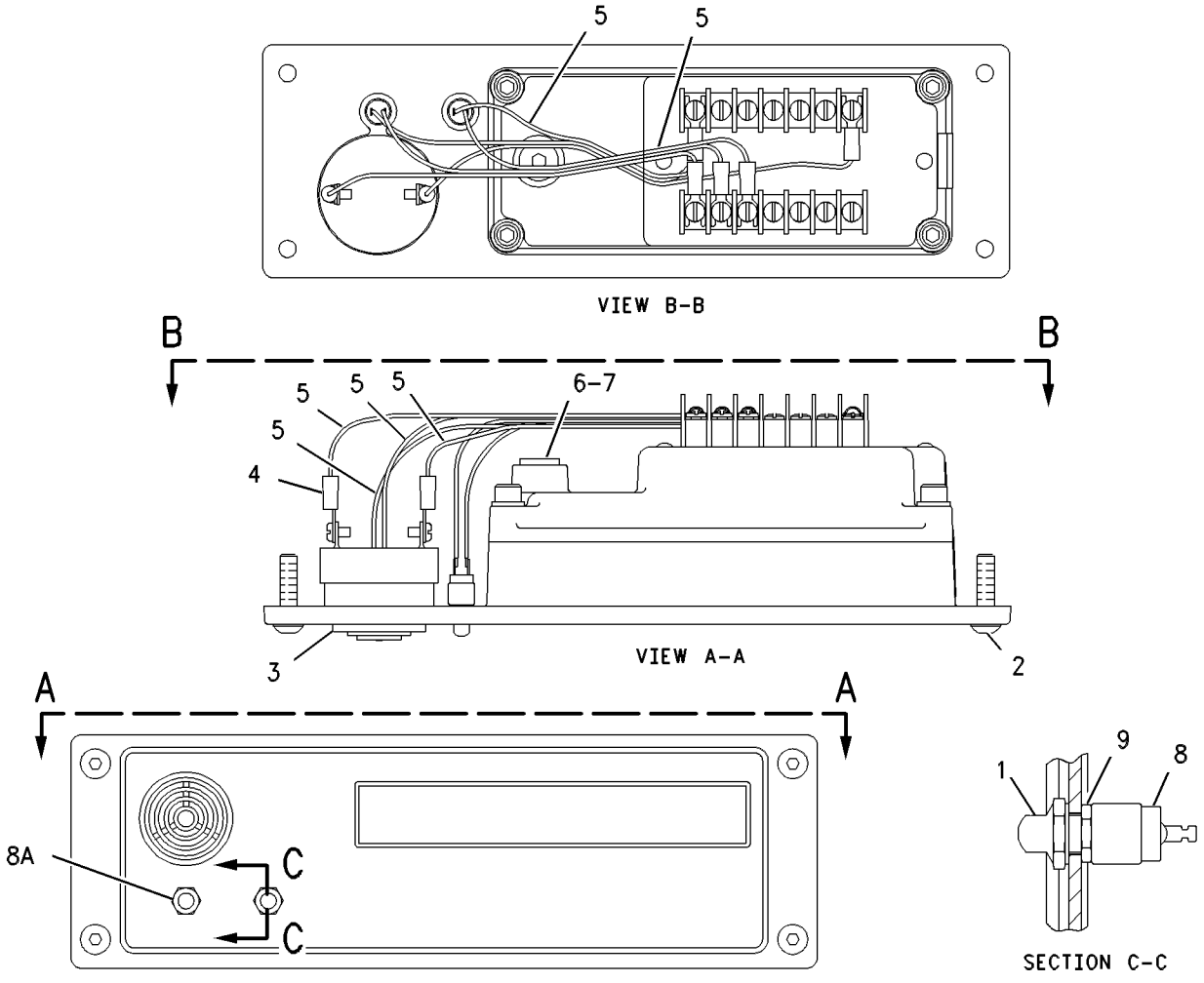
130-3324 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 130-3325 CONTROL GP-ALARM MODULE
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01957451**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-4480**	2	BOOT-SWITCH	
	2	1	**9W-1464**	4	SCREW (1/4-20 X 1 IN)	
	3	1	**3N-5762**	1	HORN	
	4	1	**5P-3059**	8	TERMINAL	
BE	5	1	**174-4290**		WIRE (18GA) (WHITE)	
	6	1	**9S-8002**	1	PLUG	
	7	1	**3J-7354**	1	SEAL-O-RING	
	8	1	**9W-0073**	1	SWITCH AS-PUSH BUTTON (LAMP TEST)	
	8A	1	**9W-0073**	1	SWITCH AS-PUSH BUTTON (ALARM SILENCE)	
	9	1	**8C-6123**	2	NUT (1/4X40 THD)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00611589

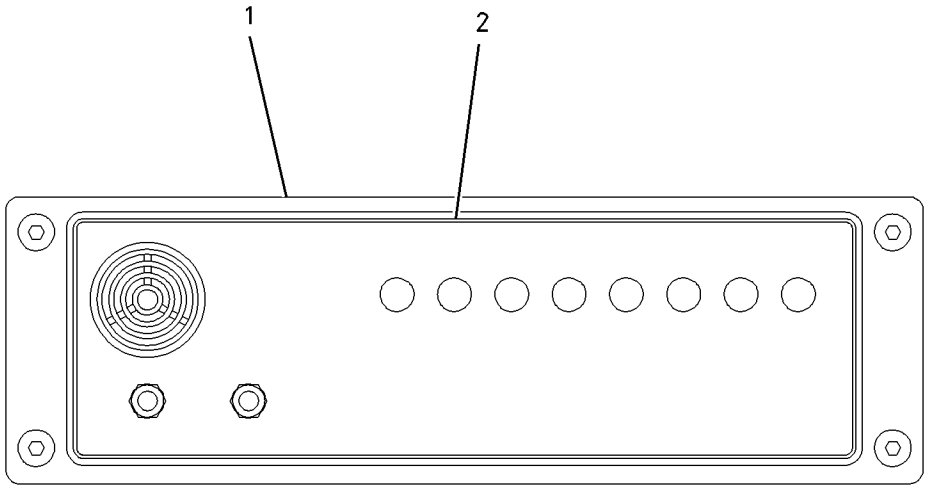
130-3325 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 131-1956, 219-3224 MODULE GP-ALARM, 131-1960, 131-1961 PANEL GP-INSTRUMENT AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01850910**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**130-3324**	1	CONTROL GP-ALARM MODULE	454
	2	1	**130-3328**	1	FILM-CONTROL PANEL (CUSTOM ALARM MODULE) (V1)	
F			**130-3326**	1	FILM-CONTROL PANEL (CUSTOM ALARM MODULE IDENTS)	

F-NOT SHOWN
Y-SEPARATE ILLUSTRATION



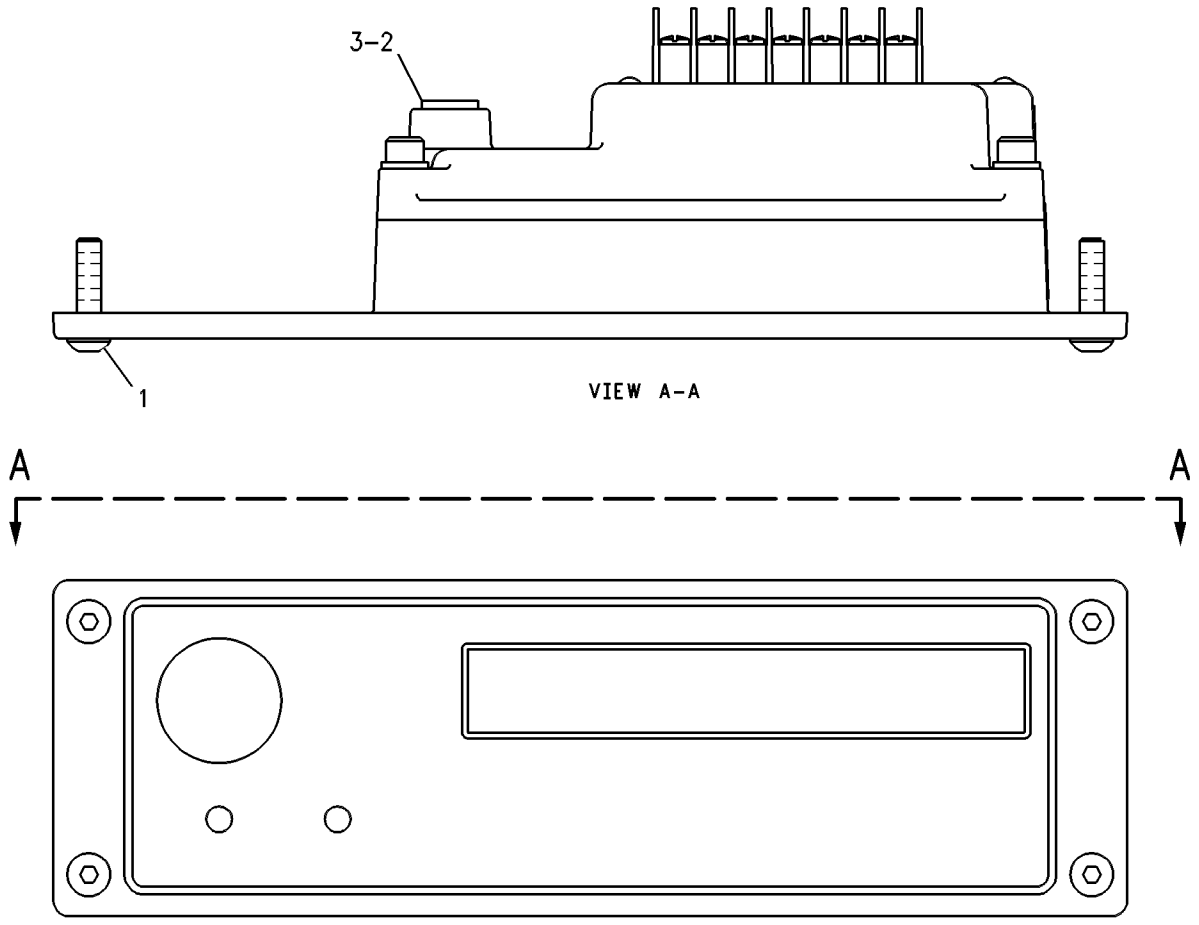
GRAPHIC #1 **<END>** g00711142

130-3332 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 130-3333 CONTROL GP-ALARM MODULE
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01728817**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9W-1464**	4	SCREW (1/4-20 X 1 IN)	
	2	1	**9S-8002**	1	PLUG	
	3	1	**3J-7354**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00609314

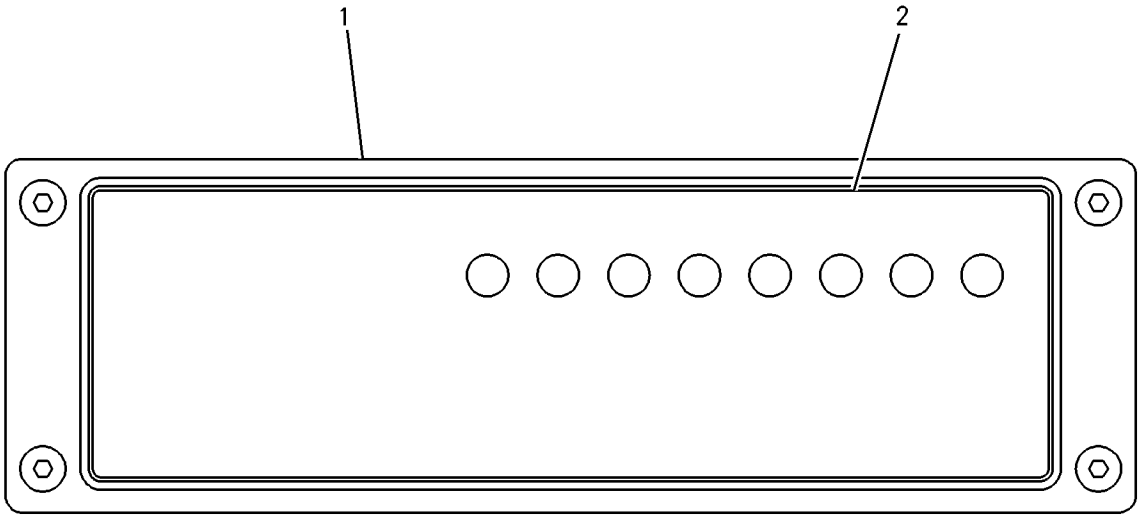
130-3333 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 131-1958, 219-3225 MODULE GP-ALARM, 131-1961, 131-1963, 131-1965 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01835043**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**130-3332**	1	CONTROL GP-ALARM MODULE	456
	2	1	**130-3327**	1	FILM-CONTROL PANEL (CUSTOM ALARM MODULE) (V2)	
F			**130-3326**	1	FILM-CONTROL PANEL (CUSTOM ALARM MODULE IDENTS)	

F-NOT SHOWN
Y-SEPARATE ILLUSTRATION



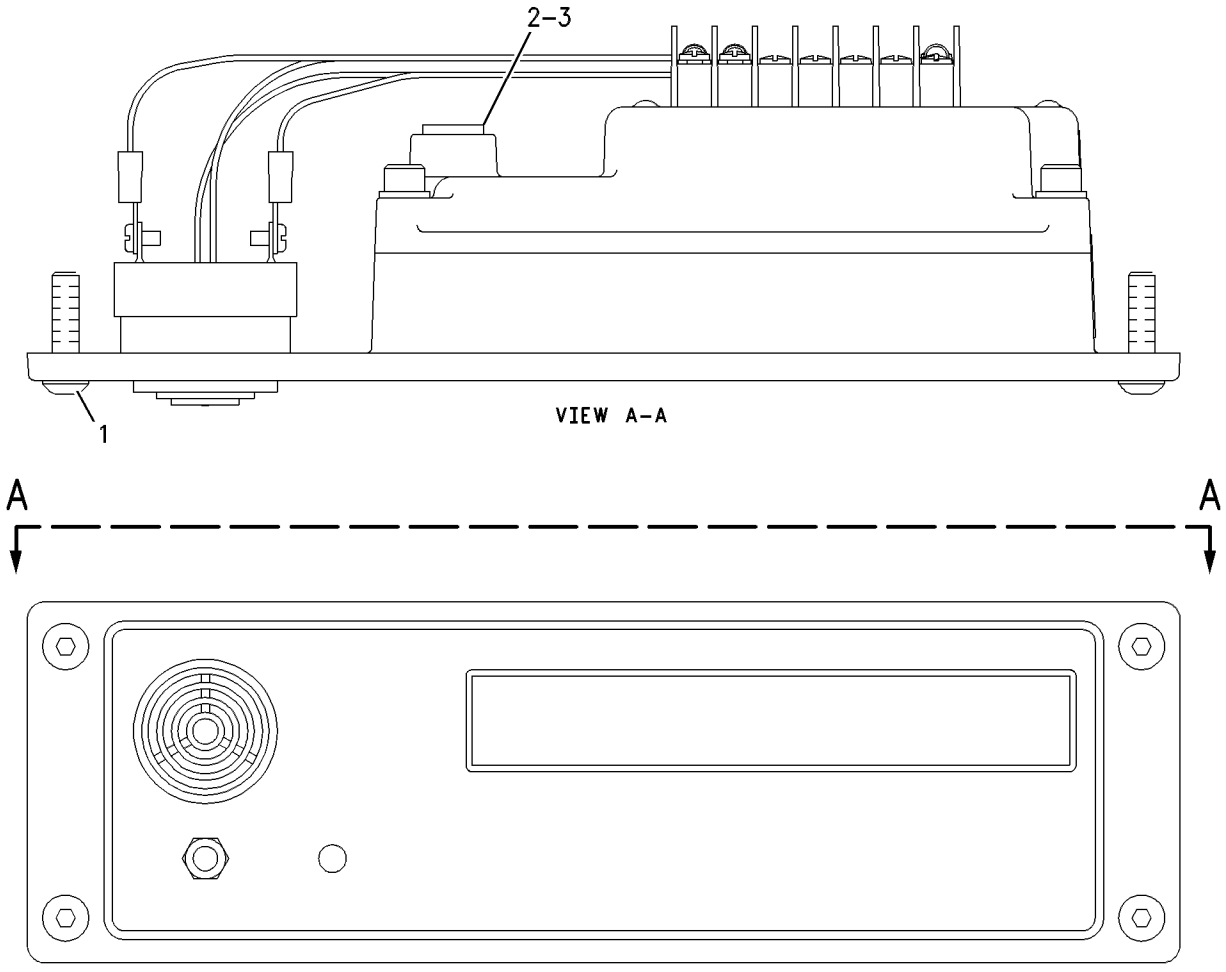
GRAPHIC #1 **<END>** g00711171

130-3349 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
NATIONAL FIRE PROTECTION ASSOCIATION 99
PART OF 130-3350, 7E-1234, 9W-3577, 9Y-2906, 9Y-2907 CONTROL GP-ALARM MODULE
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01728818**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9W-1464**	4	SCREW (1/4-20 X 1 IN)	
	2	1	**9S-8002**	1	PLUG	
	3	1	**3J-7354**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00664012

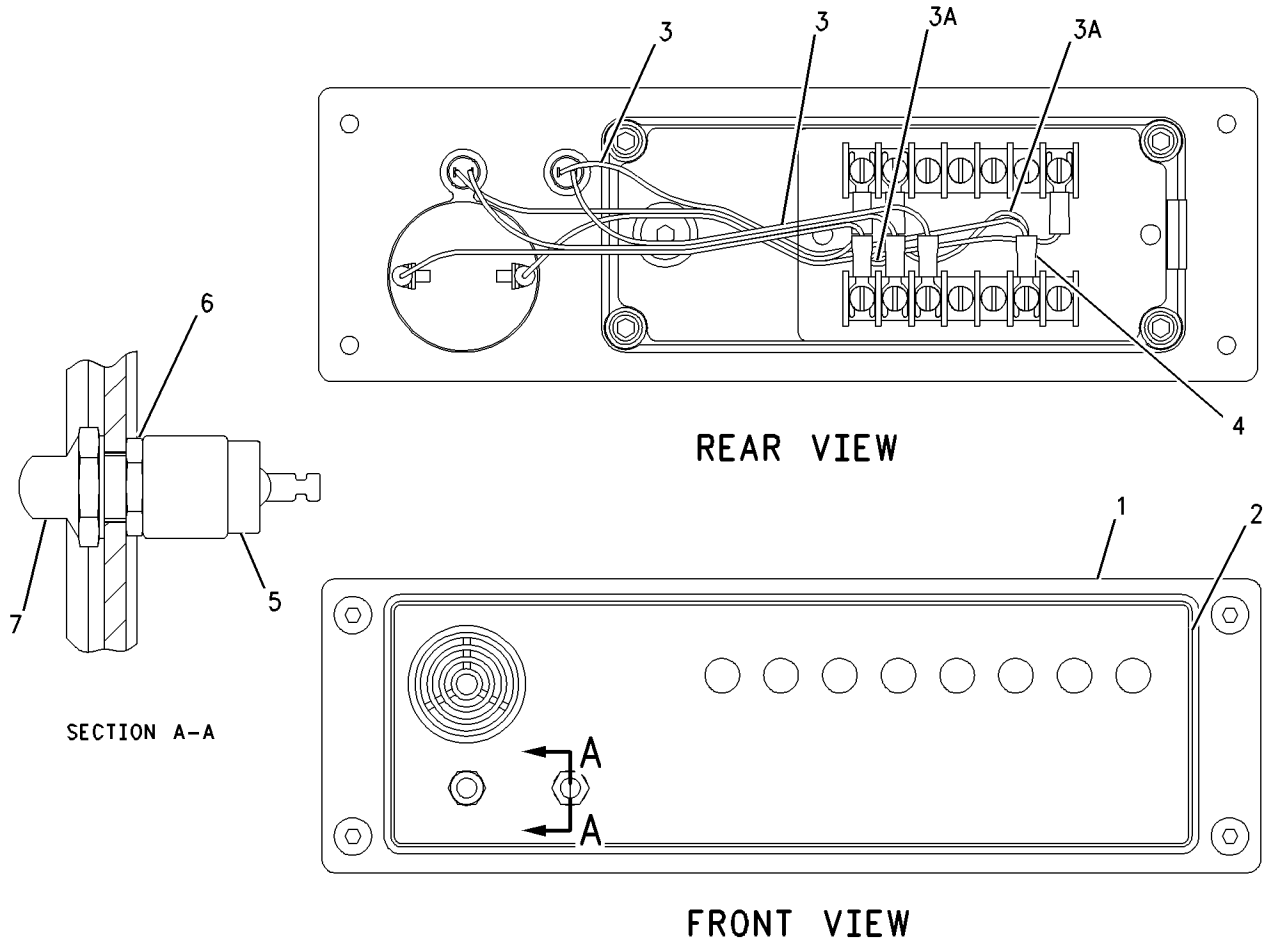
130-3350 CONTROL GP-ALARM MODULE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 131-1965 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-4490, 7407, 7490 **i01850939**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**130-3349**	1	CONTROL GP-ALARM MODULE	458
	2	1	**130-3329**	1	FILM-CONTROL PANEL (ALARM MODULE)	
E	3	1	**174-4290**	2	WIRE (18GA) (425CM EACH)	
E	3A	1	**174-4290**	2	WIRE (18GA) (80CM EACH)	
	4	1	**5P-3059**	6	TERMINAL	
	5	1	**9W-0073**	1	SWITCH (LAMP TEST)	
	6	1	**8C-6123**	1	NUT (1/4X40 THD)	
	7	1	**2W-4480**	1	BOOT-SWITCH	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00774413

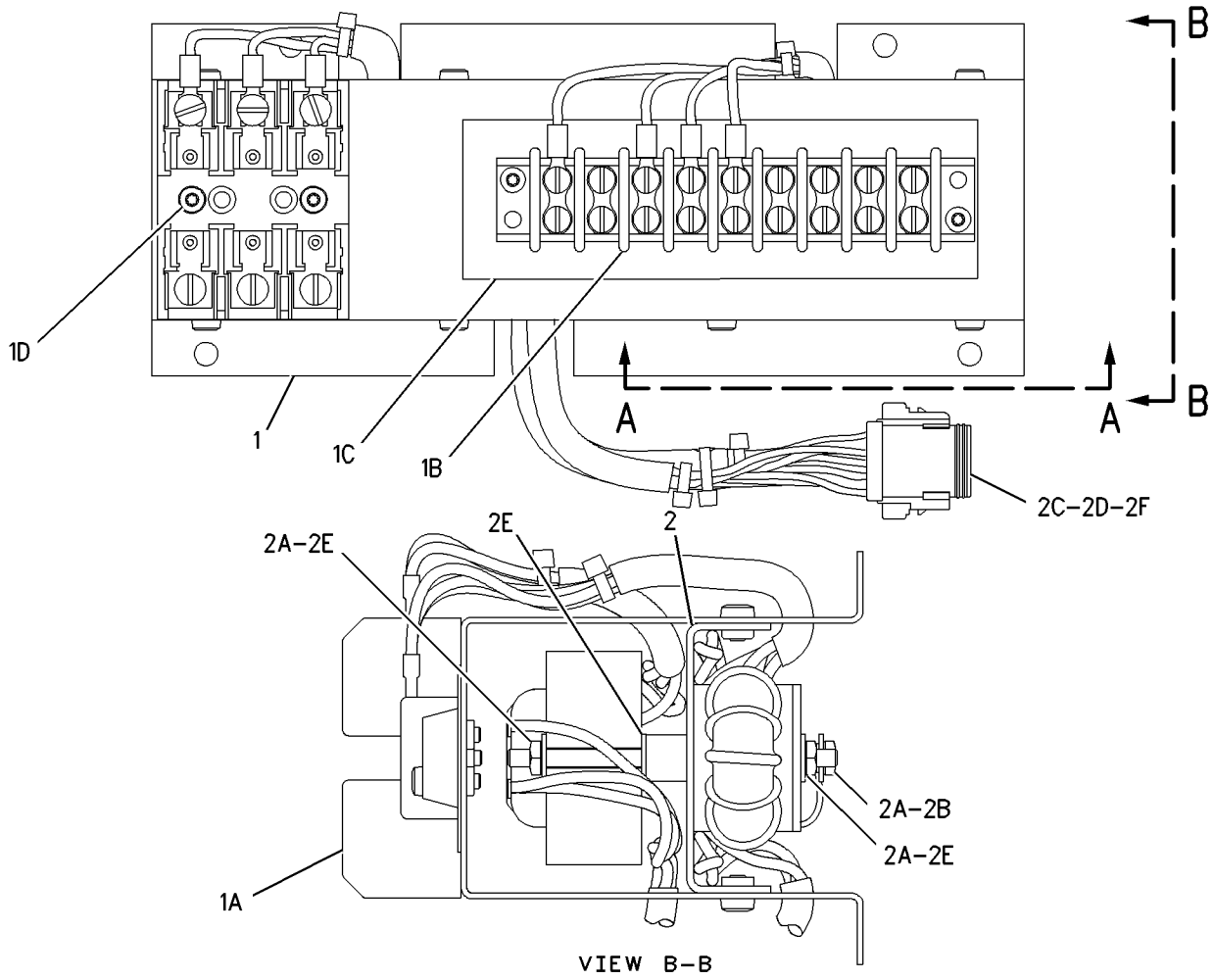
OPERATOR STATION

101-0225 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PART OF 145-9410, 145-9411 PANEL GP-CONTROL, 219-3214 PANEL GP-ELECTRONIC
AN ATTACHMENT

SMCS-4490 **i01971170**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*101-0222*	1	HOUSING AS (TRANSFORMER BOX-EMCP II)	
	1A	1	**3N-5977**	1	BLOCK-FUSE	
	1B	1	**107-5696**	1	STRIP-TERMINAL	
	1C	1	**107-5907**	1	STRIP-MARKER	
	1D	1	**105-3410**	4	NUT-CLINCH	
	2	1	*101-5003*	1	CHANNEL AS (TRANSFORMER-EMCP II)	
	2A	1	**4B-2049**	8	NUT (10-32 THD)	
	2B	1	**8F-1434**	1	LOCKWASHER	
	2C	1	**8T-8730**	8	SOCKET-CONNECTOR	
	2D	1	**102-8816**	1	SEAL	
	2E	1	**4B-4274**	11	WASHER (5.5X13X1.2MM THK)	
	2F	1	**155-2265**	1	KIT-CONNECTING PLUG (8-PIN) (EMCP ELECTRONIC CONTROL)	
					(KIT INCLUDES PLUG ASSEMBLY AND WEDGE)	



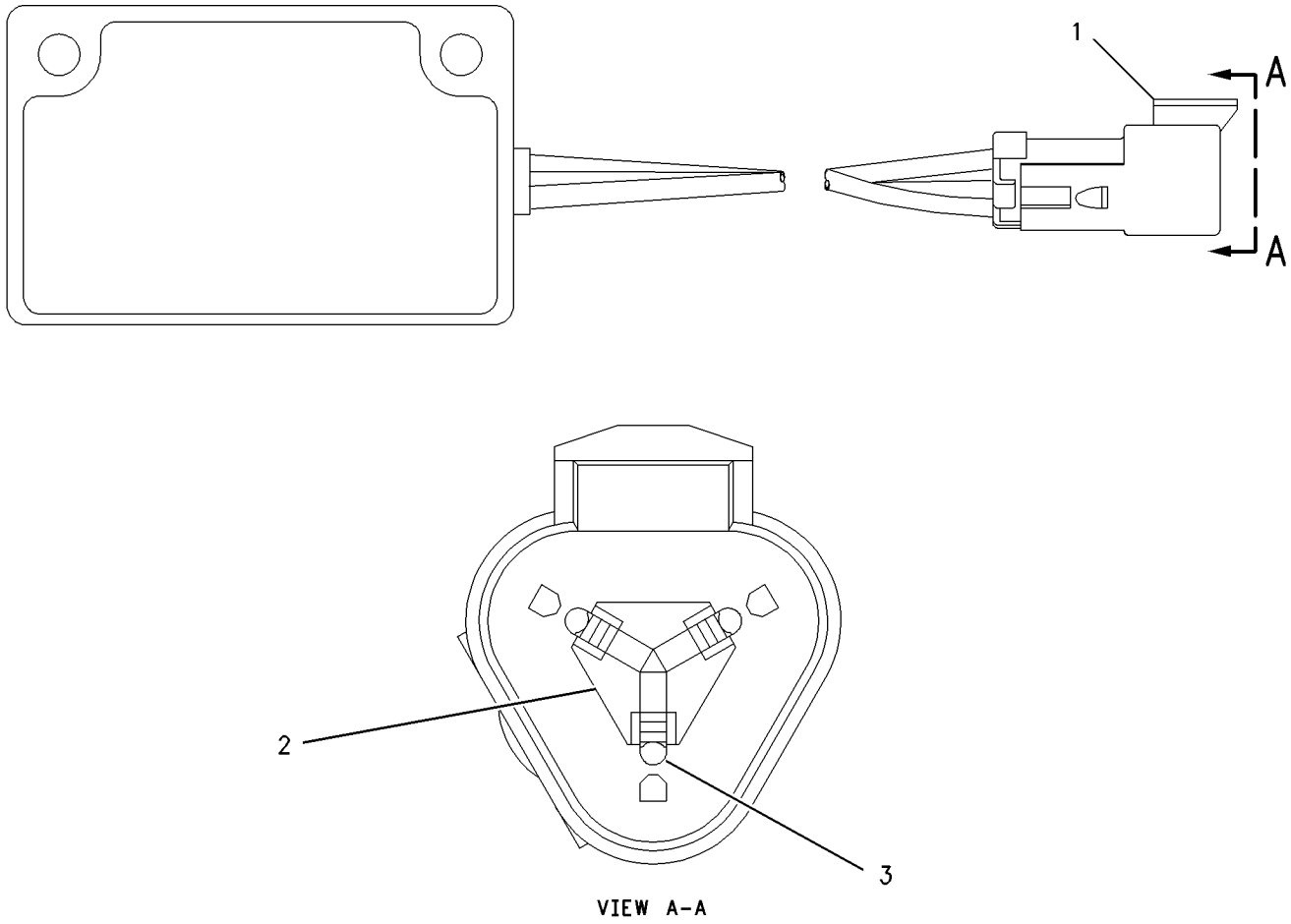
GRAPHIC #1 **<END>** g00711481

102-8619 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
FUEL CONTROL TIMER
PART OF 229-4917 CONTROL GP-SOLENOID, 111-7761 SHUTOFF GP-ELECTRICAL
AN ATTACHMENT

SMCS-4490 **i01959537**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8803**	1	KIT-RECEPTACLE (3 PIN) (EMCP ELECTRONIC CONTROL)	
					(INCLUDES WEDGE AND RECEPTACLE AS)	
	2	1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
	3	1	**8T-8729**	3	PIN-CONNECTOR	



VIEW A-A

GRAPHIC #1 **<END>** g00798609

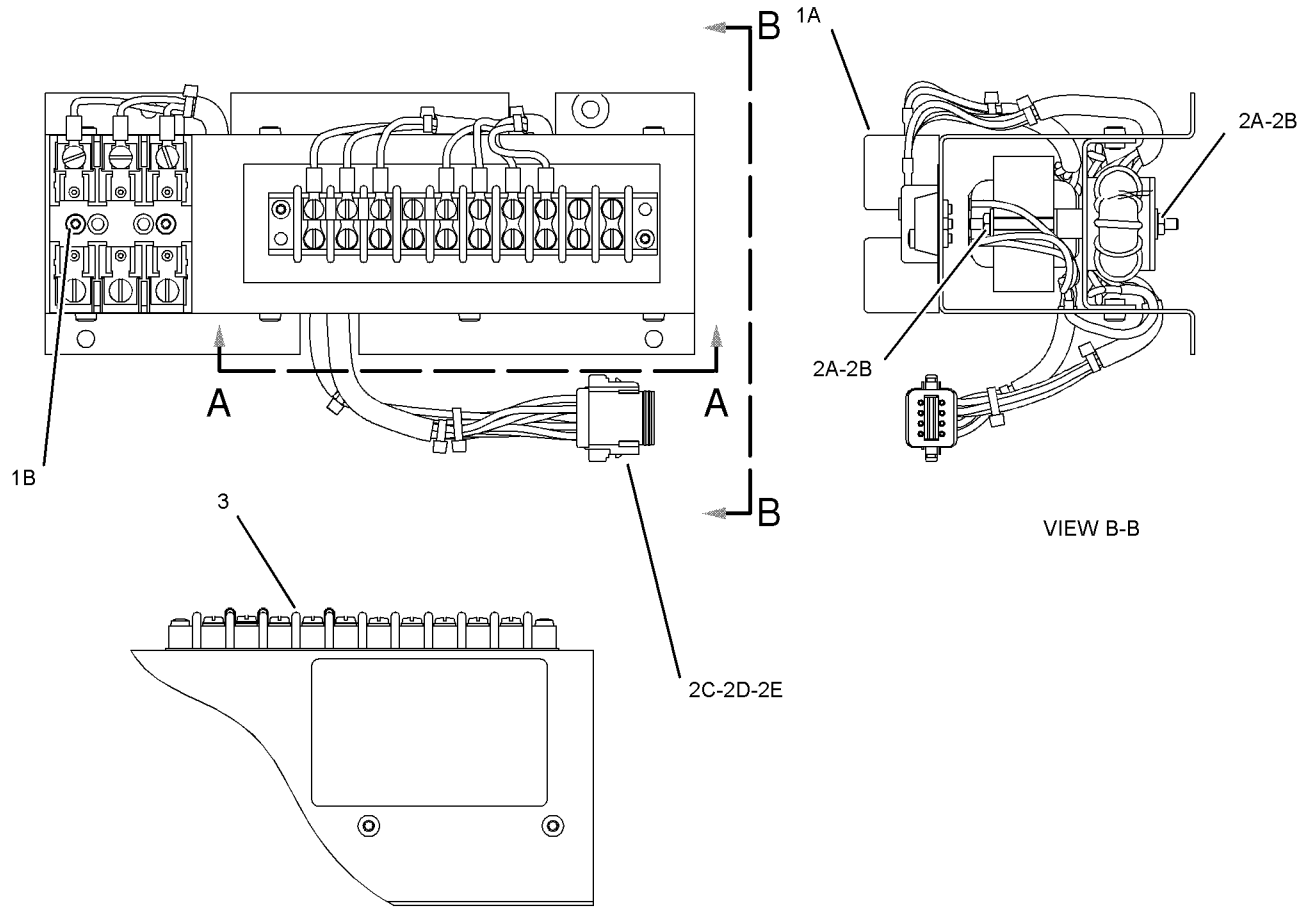
OPERATOR STATION

118-0175 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
AC TRANSFORMER BOX
PART OF 141-2858, 219-3220 CONTROL AR-EMCP ELECTRONIC, 151-5552, 151-5553 PANEL
GP-CONTROL
AN ATTACHMENT

SMCS-4490 **i01966045**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1A	1	**3N-5977**	1	BLOCK-FUSE (30 AMP)	
	1B	1	**105-3410**	4	NUT-CLINCH	
	2A	1	**4B-2049**	9	NUT (10-32 THD)	
	2B	1	**4B-4274**	15	WASHER (5.5X13X1.2MM THK)	
	2C	1	**186-3736**	8	SOCKET-CONNECTOR	
	2D	1	**102-8816**	1	SEAL	
	2E	1	**155-2265**	1	KIT-CONNECTING PLUG (8 PIN) (EMCP CONTROL)	
					(KIT INCLUDES PLUG ASSEMBLY AND WEDGE)	
	3	1	**5N-5159**	3	JUMPER-STRIP	



GRAPHIC #1 **<END>** g01017247

118-2070 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP

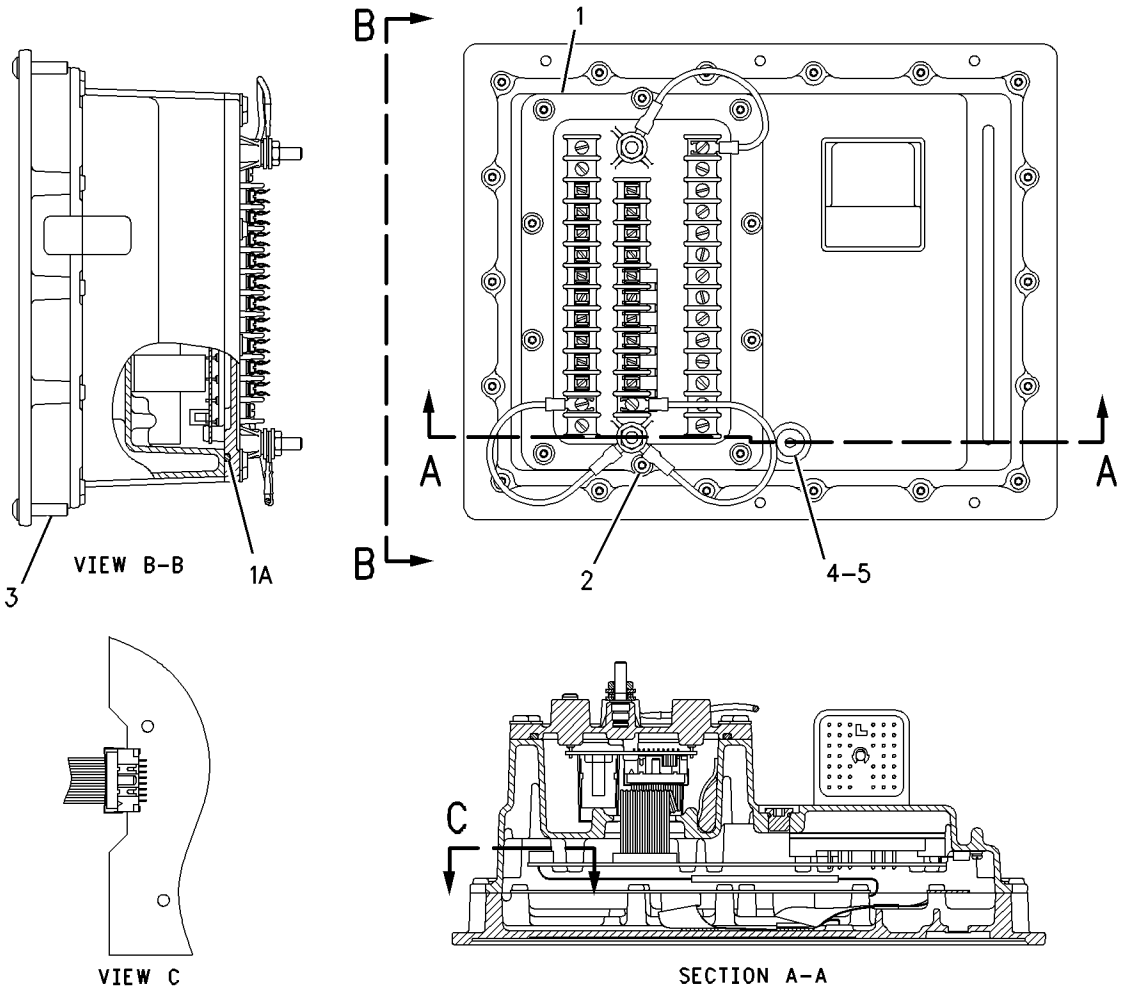
GSC+

PART OF 118-2071 CONTROL GP-EMCP ELECTRONIC, 151-5552, 151-5553 PANEL GP-CONTROL AN ATTACHMENT

SMCS-4490 **i01969279**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**133-9850**	1	CONTROL GP-EMCP ELECTRONIC (RELAY)	
	1A	1	**1S-4974**	1	SEAL-O-RING	
	2	1	**4B-4863**	10	WASHER (4.7X11X1.2MM THK)	
	3	1	**9W-1464**	6	SCREW (1/4-20 X 1 IN)	
	4	1	**3J-7354**	1	SEAL-O-RING	
	5	1	**9S-8002**	1	PLUG	
F			**130-9715**	1	FILM-CONTROL PANEL (GSC+ - EMCPII+)	
BF			**159-1798**	1	FILM-CONTROL PANEL (EUI - EMCPII+)	

B-USE AS REQUIRED
F-NOT SHOWN



GRAPHIC #1 **<END>** g00712159

OPERATOR STATION

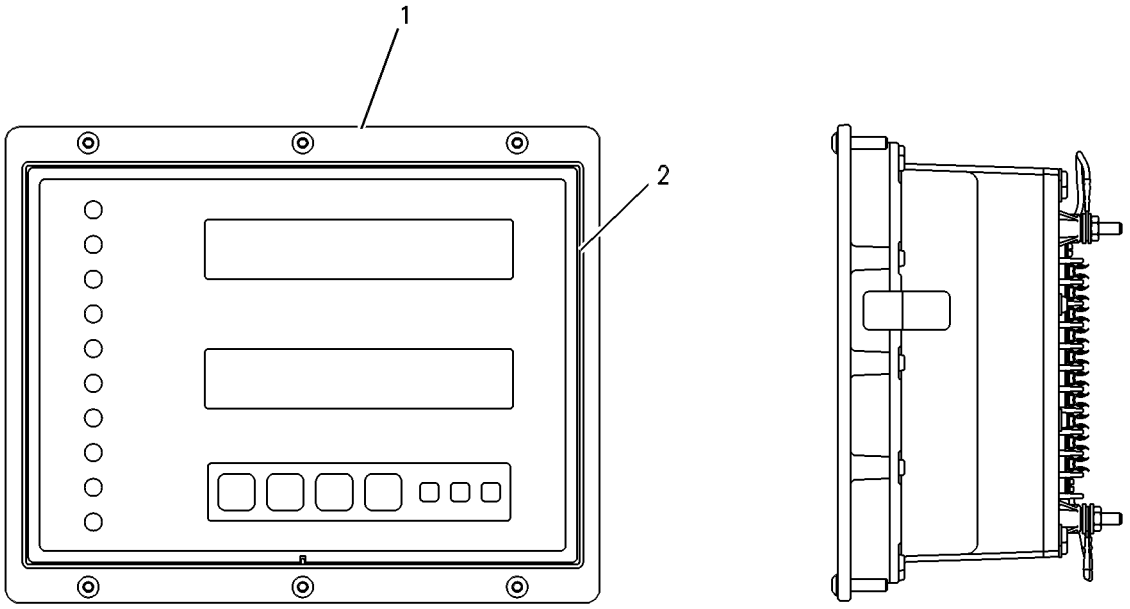
118-2071 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
MONITORING, GSC+
PART OF 141-2858, 219-3220 CONTROL AR-EMCP ELECTRONIC
AN ATTACHMENT

SMCS-4490 **i01835200**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**118-2070**	1	CONTROL GP-EMCP ELECTRONIC	463
	2	1	**130-9715**	1	FILM-CONTROL PANEL (GSC+ - EMCPII+)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00269614

OPERATOR STATION

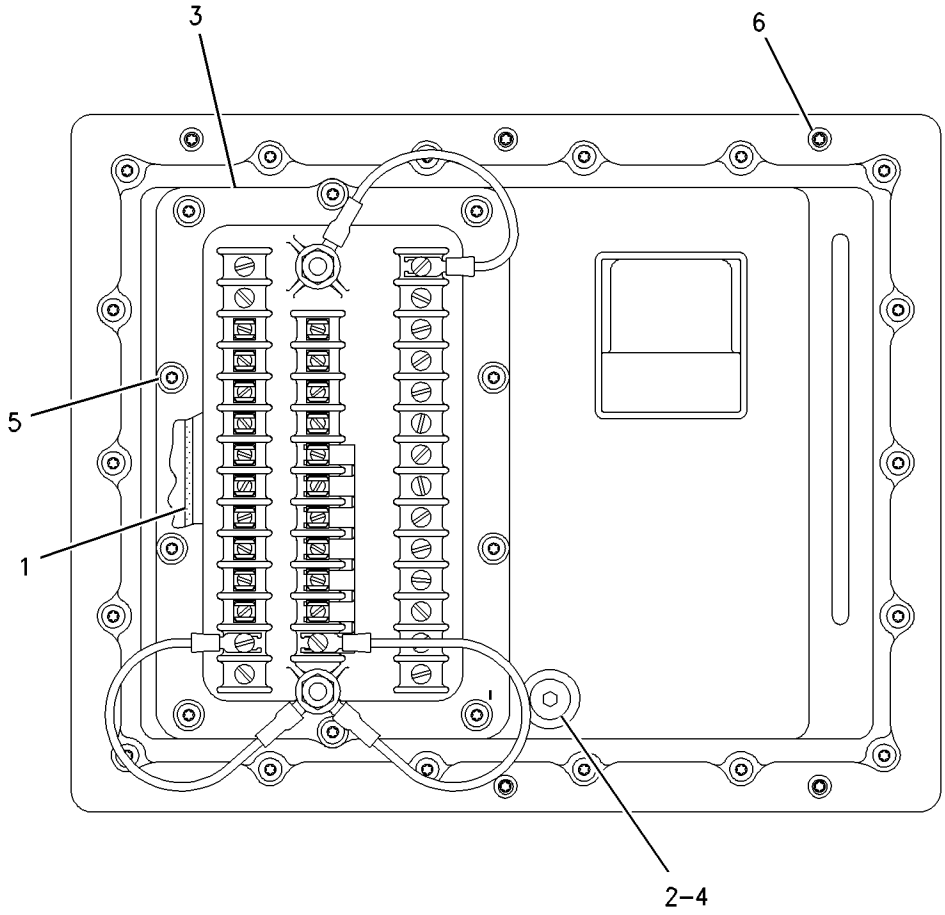
133-6350 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
GSC
PART OF 133-6351 CONTROL GP-EMCP ELECTRONIC, 145-9410, 145-9411 PANEL GP-CONTROL
AN ATTACHMENT

SMCS-4490 **i01879798**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4974**	1	SEAL-O-RING	
	2	1	**3J-7354**	1	SEAL-O-RING	
	3	1	**108-8500**	1	CONTROL GP-ELECTRONIC	
	4	1	**9S-8002**	1	PLUG	
	5	1	**4B-4863**	10	WASHER (4.7X11X1.2MM THK)	
	6	1	**9W-1464**	6	SCREW (1/4-20 X 1 IN)	
BF		1	**4P-6407**	1	FILM-EMCP II (GRAPHIC/TEXT)	
BF		1	**130-9716**	1	FILM-CONTROL PANEL (EMCP II - GRAPHIC/TEXT)	

B-USE AS REQUIRED
F-NOT SHOWN



GRAPHIC #1 **<END>** g00711045

OPERATOR STATION

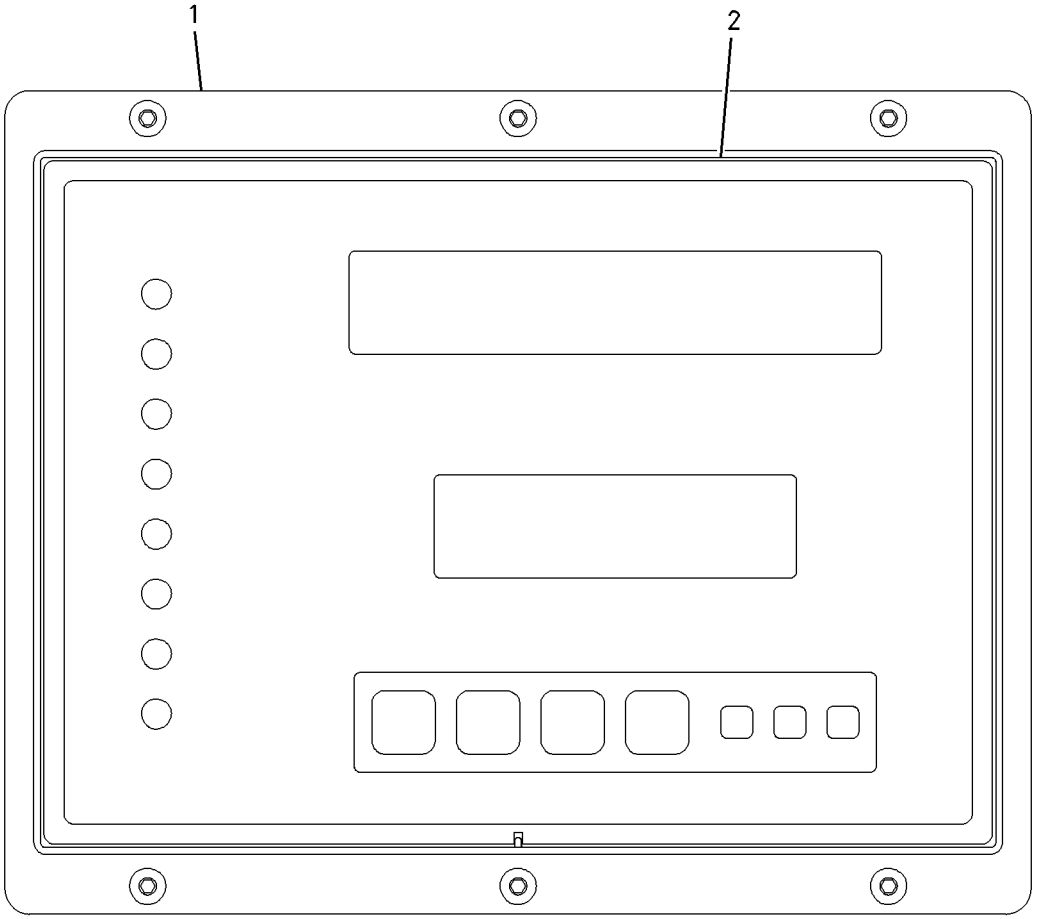
133-6351 CONTROL GP-EMCP ELECTRONIC

S/N: KPS1-UP
GSC, WITH R & L EXHAUST TEMPERATURE
PART OF 219-3214 PANEL GP-ELECTRONIC
AN ATTACHMENT

SMCS-4490 **i01879836**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**133-6350**	1	CONTROL GP-EMCP ELECTRONIC	465
	2	1	**130-9716**	1	FILM-CONTROL PANEL (EMCP II - GRAPHIC/TEXT)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00710995

OPERATOR STATION

136-3870 CONTROL GP-EMCP ELECTRONIC

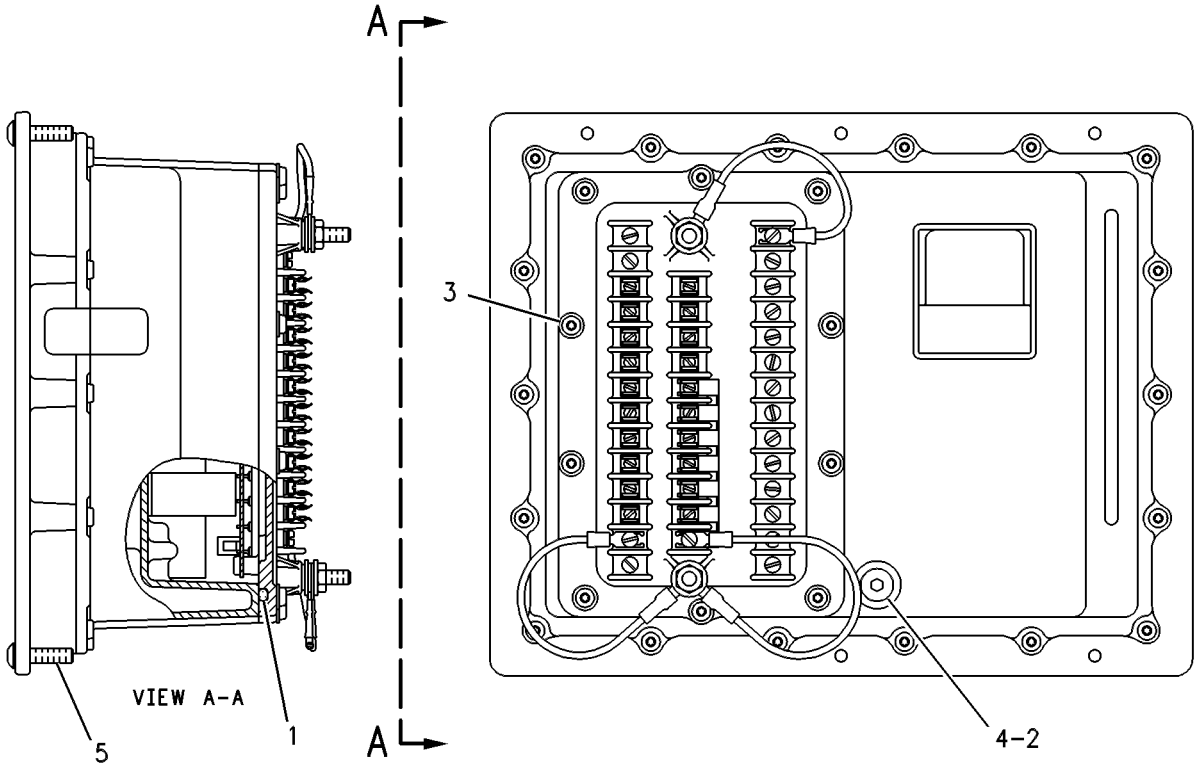
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

PART OF 145-9410, 145-9411 PANEL GP-CONTROL

SMCS-4490 **i01346332**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4974**	1	SEAL-O-RING (164.69MM ID)	
	2	1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	
	3	1	**4B-4863**	10	WASHER (1.2MM THK)	
	4	1	**9S-8002**	1	PLUG-O-RING (7/16-20 THD)	
	5	1	**9W-1464**	6	SCREW (1/4-20 X 1 IN)	
F		1	**4P-6407**	1	FILM-EMCP II	

F-NOT SHOWN



GRAPHIC #1 **<END>** g00265520

OPERATOR STATION

148-5368 CONTROL GP-EMCP ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH GENERATOR MOUNTED EMCP II+ CONTROL PANEL
AN ATTACHMENT

SMCS-4490 **i01283693**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	9Y-6497	1	BOARD AS-RELAY	
E	**6V-1075**		TRACK-RELAY (34CM)	
	8K-4644	10	FUSE (1 AMP)	
Y	**123-7450**	1	MODULE GP-RELAY DRIVER	483
	6V-2687	2	SCREW-PAN HEAD (10-24X1IN)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

<END>

103-6101 CONTROL GP-ENGINE MONITORING

S/N: KPS1-UP
WATER TEMPERATURE / OIL PRESSURE MODULE
AN ATTACHMENT

SMCS-1901, 7490 **i01883506**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**145-2362**	1	SENSOR GP-PRESSURE (ENGINE OIL)	408
			—OR—	
Y	**216-8684**	1	SENSOR GP-PRESSURE (ENGINE OIL)	409
Y	**102-0050**	1	SENSOR GP-TEMPERATURE (WATER)	413
	3S-2093	2	STRAP-CABLE	

Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

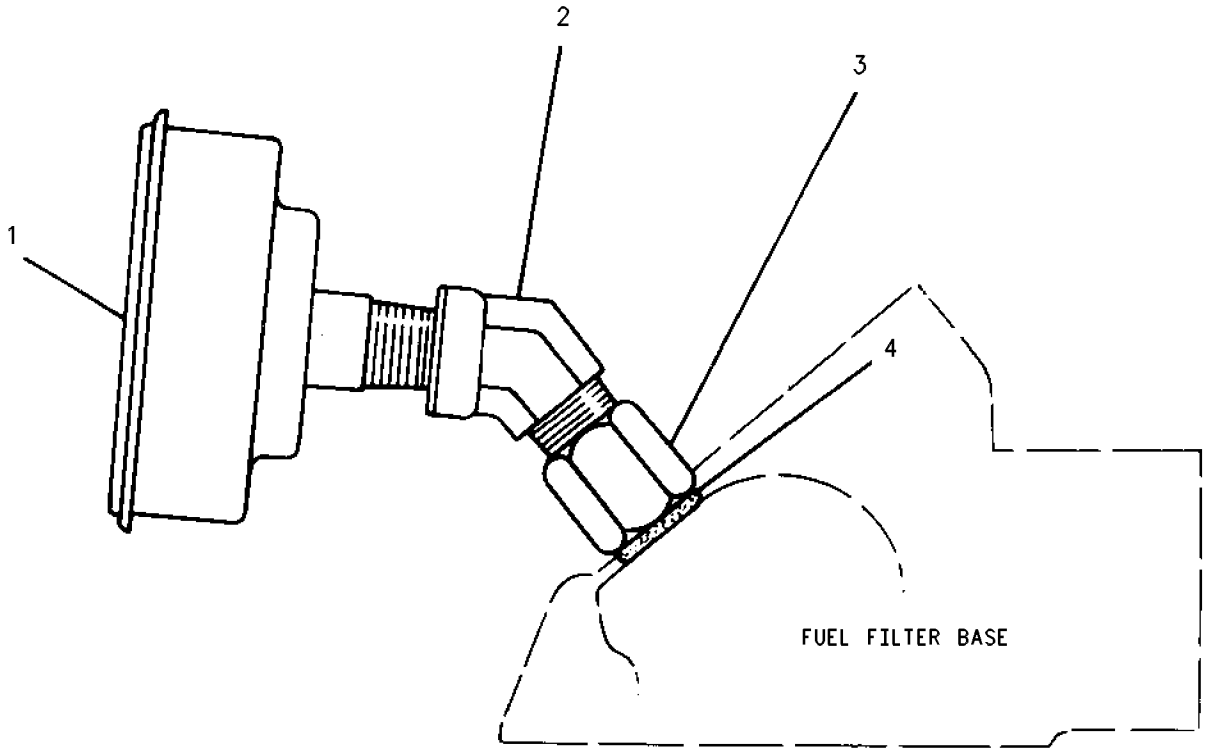
6N-8878 GAUGE GP-FUEL PRESSURE

S/N: KPS1-UP
AN ATTACHMENT

SMCS-7456 **i01140906**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**2W-3687**	1	INDICATOR-FUEL PRESSURE	
	2	1	**8L-5008**	1	ELBOW-PIPE	
	3	1	**5P-5528**	1	ADAPTER-O-RING (14.29MM THK)	
	4	1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00605493

OPERATOR STATION

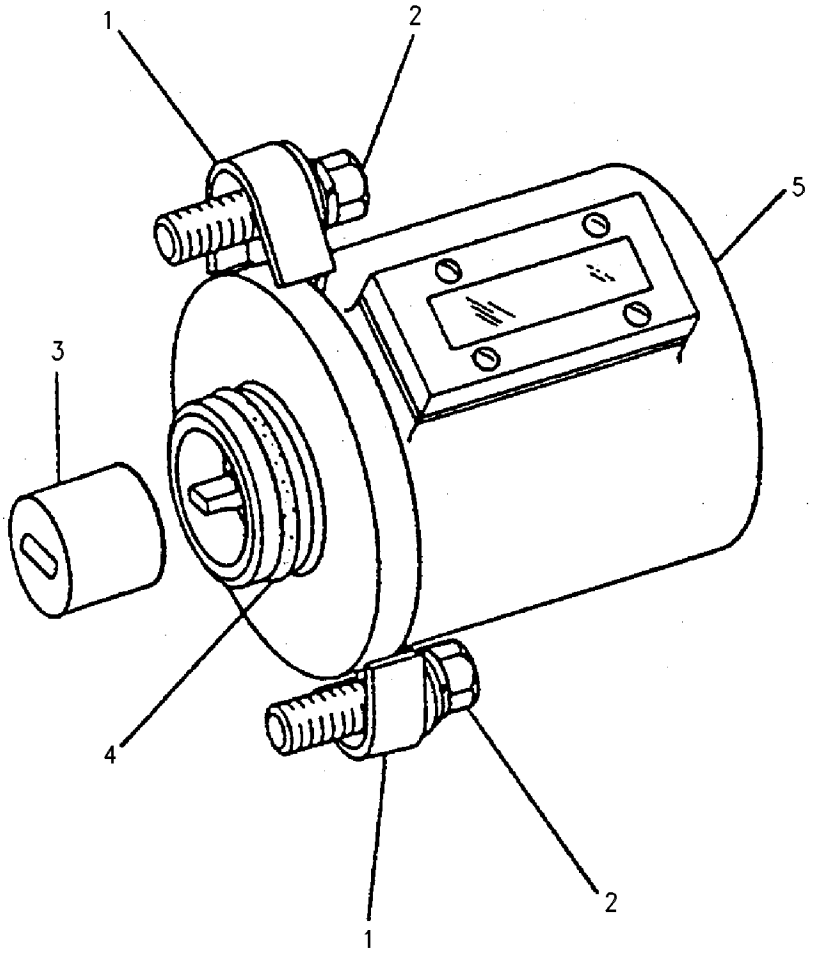
2W-8132 METER GP-SERVICE

S/N: KPS1-UP

REQUIRES 1500RPM ENGINE THAT HAS A CCW ROTATING SERVICE METER DRIVE AN ATTACHMENT

SMCS-7478 **i01724106**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9S-0211**	2	CLAMP-METER	
	2	1	**8H-3127**	2	BOLT (1/4-20X3/4 IN)	
	3	1	**4N-0538**	1	COUPLING	
	4	1	**4M-8303**	1	SEAL-O-RING	
	5	1	**9S-8917**	1	METER GP-SERVICE	
		1	**1P-4923**	1	KIT-SERVICE METER	
					(INCLUDES WINDOW, COVER, GASKET & SCREWS)	



GRAPHIC #1 **<END>** g00518811

OPERATOR STATION

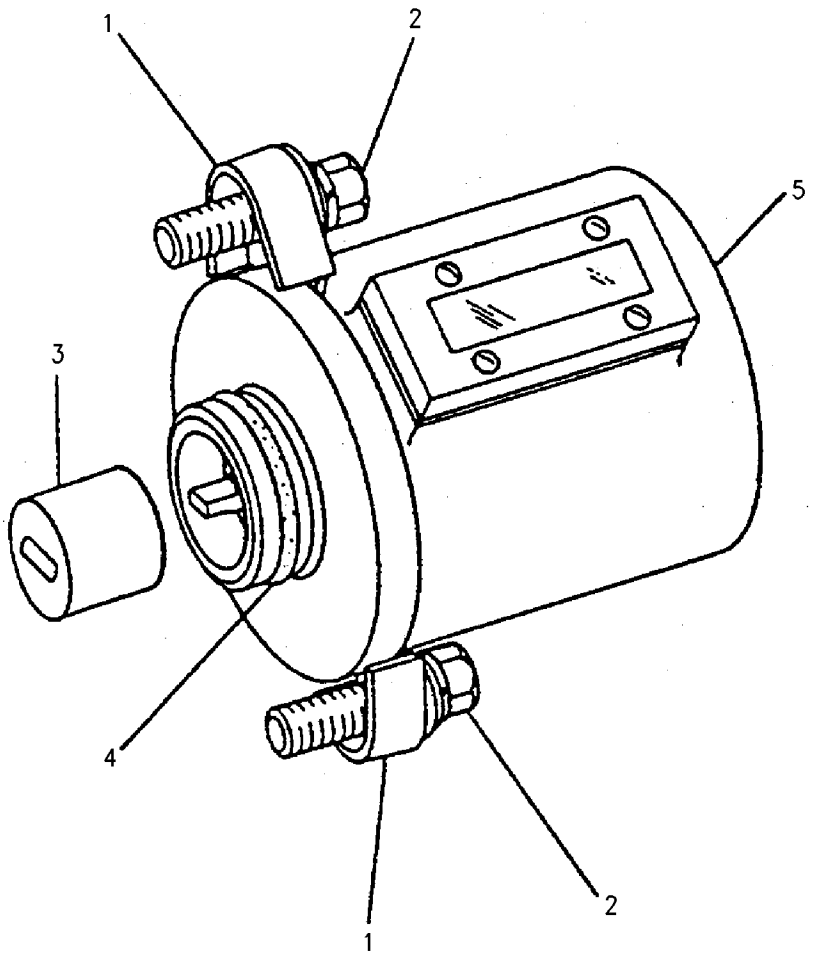
2W-8133 METER GP-SERVICE

S/N: KPS1-UP
FOR USE WITH 1800 RPM ENGINE
AN ATTACHMENT

SMCS-7478 **i01724108**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9S-0211**	2	CLAMP-METER	
	2	1	**8H-3127**	2	BOLT (1/4-20X3/4 IN)	
	3	1	**4N-0538**	1	COUPLING	
	4	1	**4M-8303**	1	SEAL-O-RING	
C	5	1	**4W-5556**	1	METER GP-SERVICE	
		1	**1P-4923**	1	KIT-SERVICE METER	
					(INCLUDES WINDOW, COVER, GASKET & SCREWS)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00886038

121-4707 MODULE GP-ALARM

S/N: KPS1-UP

PROVIDES FLASHING LEDS AND HORN TO ANNUNCIATE HIGH COOLANT TEMP ALARM, LOW DC VOLTS ALARM, PLUS THE FOLLOWING THAT REQUIRE CUSTOMER PROVIDED SWITCHES:, LOW OIL LEVEL ALARM, LOW COOLANT ALARM, ONE SPARE LED

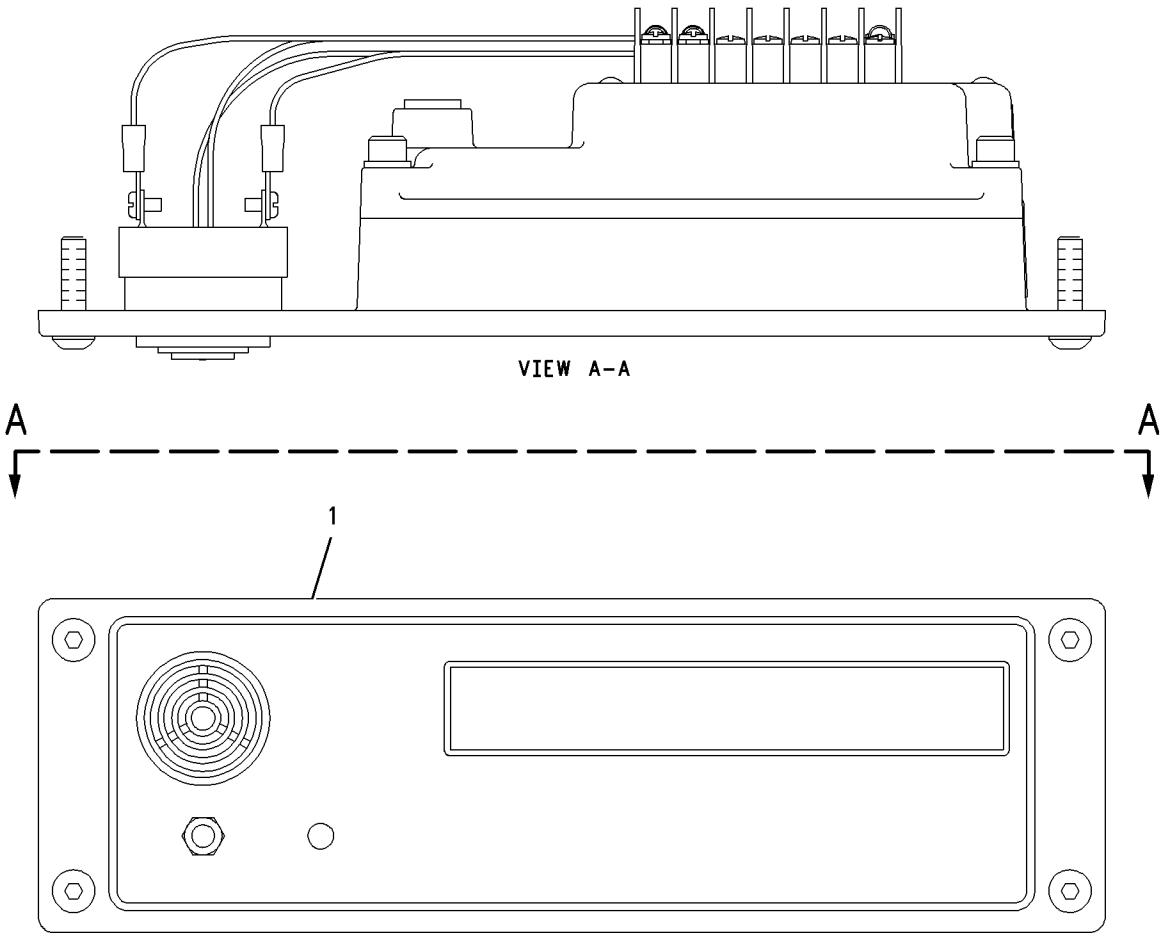
FOR USE WITH PRIME POWER APPLICATIONS

AN ATTACHMENT

SMCS-7400 **i01448156**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*7E-1234*	1	CONTROL GP-ALARM MODULE	450

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00758206

OPERATOR STATION

121-4716 MODULE GP-ALARM

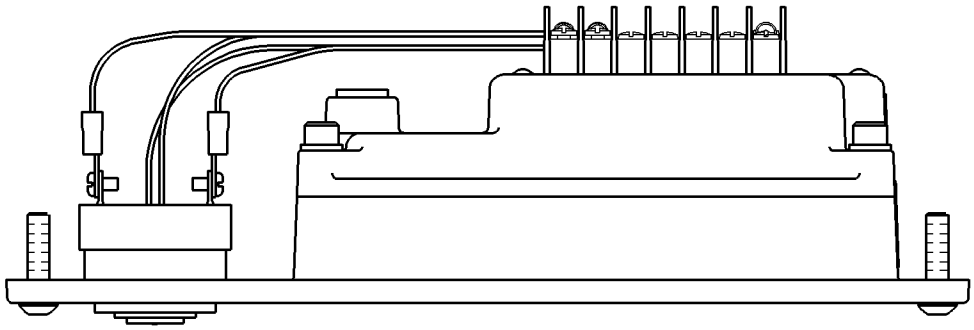
S/N: KPS1-UP

PROVIDES FLASHING LEDS AND HORN TO ANNUNCIATE HIGH COOLANT TEMP ALARM, LOW COOLANT TEMP ALARM, LOW OIL PRESSURE ALARM, LOW DC VOLTS ALARM, SYSTEM NOT IN AUTO, LOW FUEL LEVEL WITH CUSTOMER PROVIDED SWITCH AND TWO SPARE LEDS FOR USE WITH NFPA99 APPLICATIONS AN ATTACHMENT

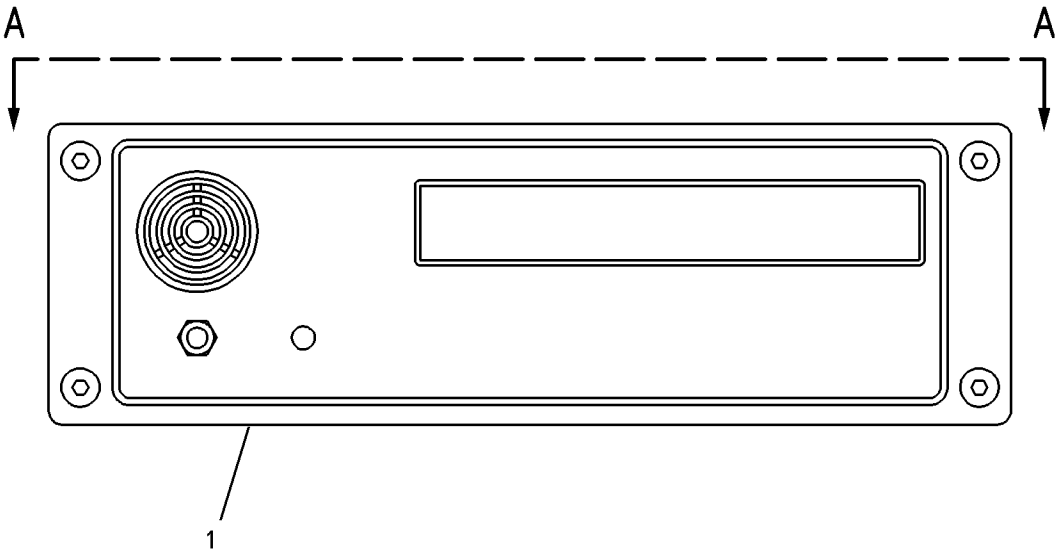
SMCS-7400 **i01448160**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*9Y-2907*	1	CONTROL GP-ALARM MODULE	453

Y-SEPARATE ILLUSTRATION



VIEW A-A



GRAPHIC #1 **<END>** g00758217

121-4717 MODULE GP-ALARM

S/N: KPS1-UP

PROVIDES FLASHING LEDS AND HORN TO ANNUNCIATE HIGH COOLANT TEMP ALARM, LOW COOLANT TEMP ALARM, LOW OIL PRESSURE ALARM, LOW DC VOLTS ALARM, SYSTEM NOT IN AUTO, PLUS THE FOLLOWING THAT REQUIRE CUSTOMER PROVIDED SWITCHES: LOW FUEL, BATTERY CHARGER MALFUNCTION, AND ENGINE INLET AIR DAMPER CLOSED

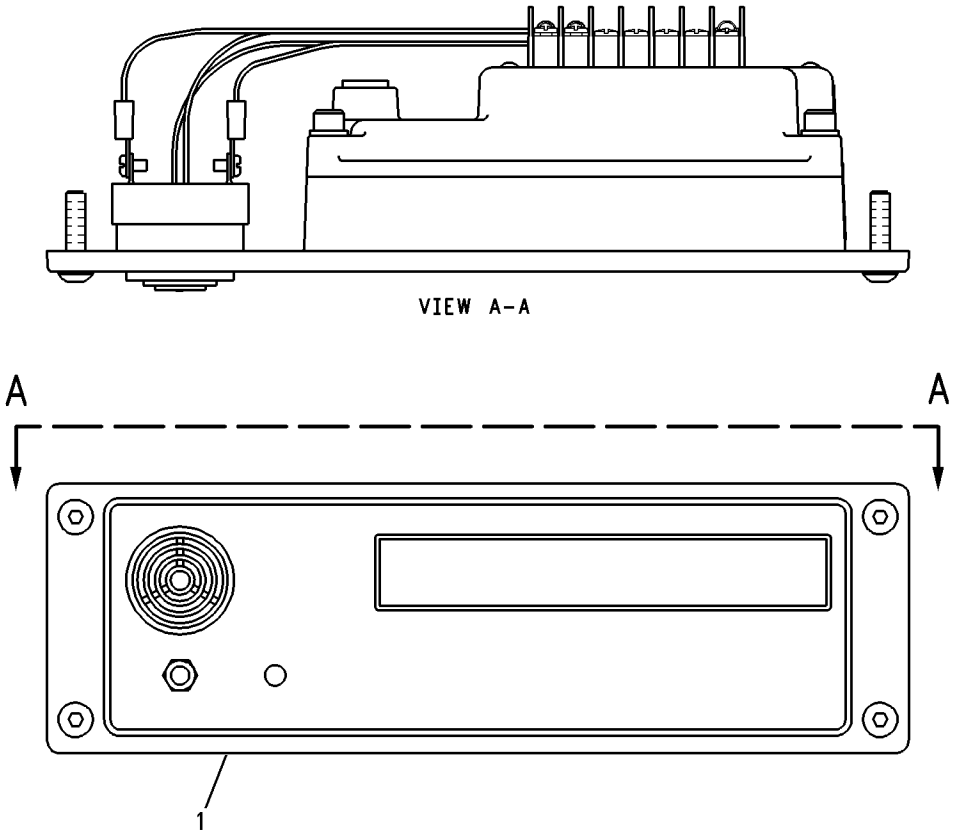
FOR USE WITH NFPA110 APPLICATIONS

AN ATTACHMENT

SMCS-7400 **i01448161**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*9Y-2906*	1	CONTROL GP-ALARM MODULE	452

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00758211

OPERATOR STATION

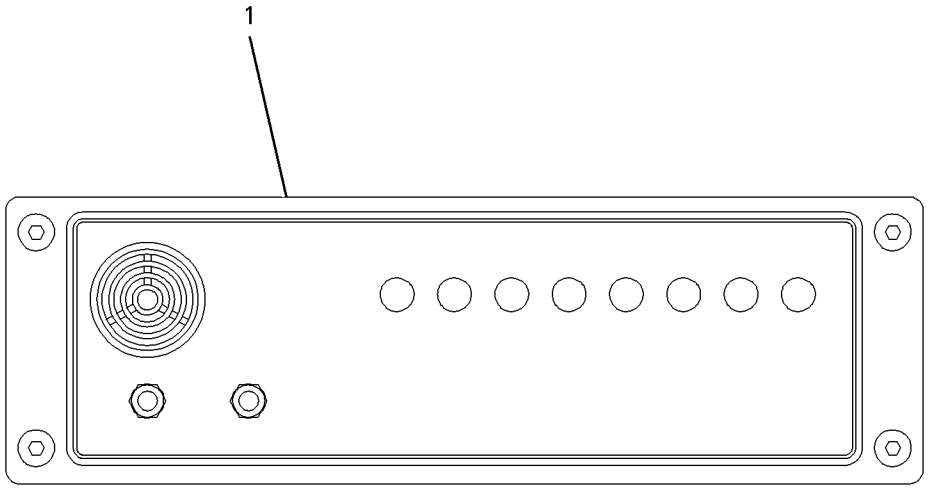
131-1956 MODULE GP-ALARM

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES A GENERATOR MOUNTED EMCP II CONTROL PANEL,
PROVIDES 8 LEDS AND HORN TO ANNUNCIATE CUSTOMER DEFINED ALARMS
AN ATTACHMENT

SMCS-7400 **i01448165**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*130-3325*	1	CONTROL GP-ALARM MODULE	455

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00758327

OPERATOR STATION

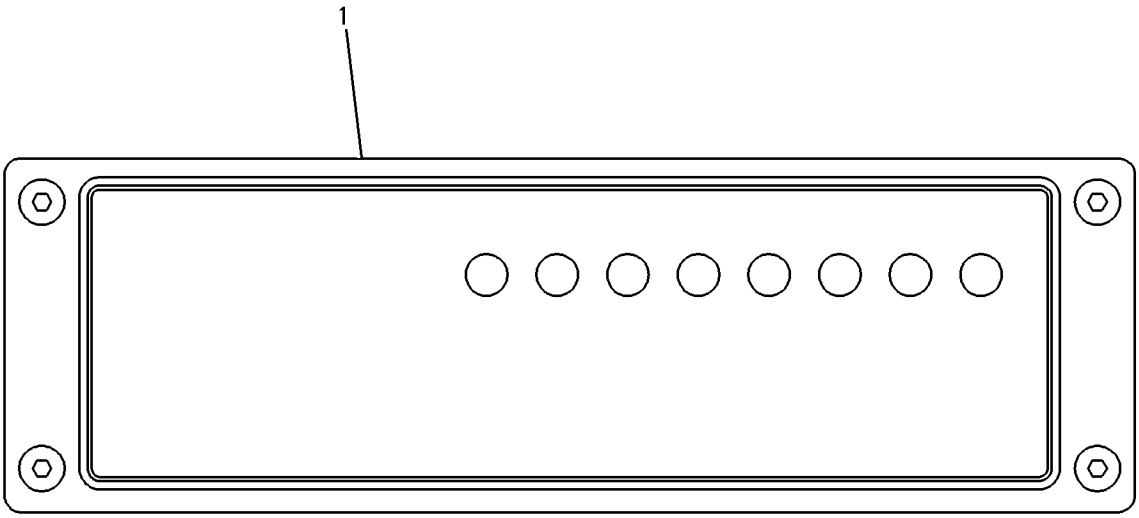
131-1958 MODULE GP-ALARM

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH GENERATOR MOUNTED EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-7400 **i01448176**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*130-3333*	1	CONTROL GP-ALARM MODULE	457

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00758333

219-3224 MODULE GP-ALARM

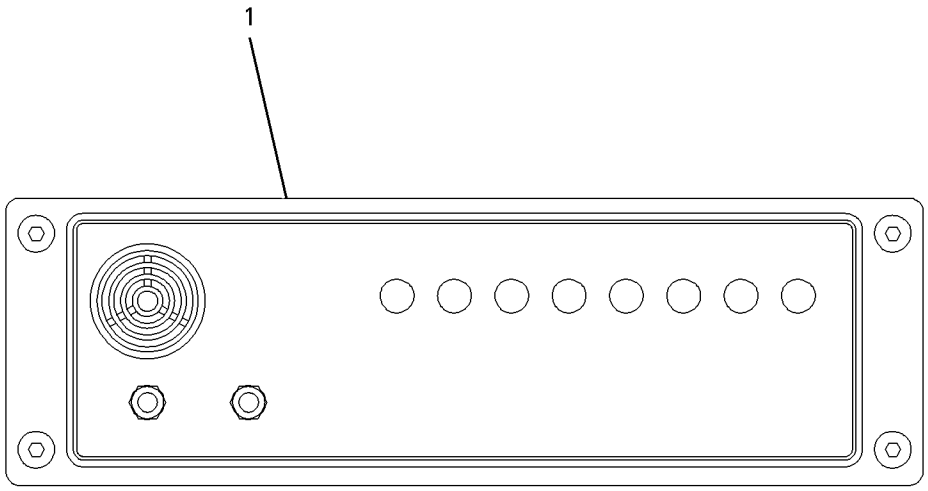
S/N: KPS1-UP

CUSTOM, PROVIDES 8 LEDS AND HORN TO ANNUNCIATE CUSTOMER DEFINED ALARMS

AN ATTACHMENT

SMCS-7400 **i01777830**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*130-3325*	1	CONTROL GP-ALARM MODULE (CUSTOM)	455
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1 **<END>** g00908946

OPERATOR STATION

219-3225 MODULE GP-ALARM

S/N: KPS1-UP

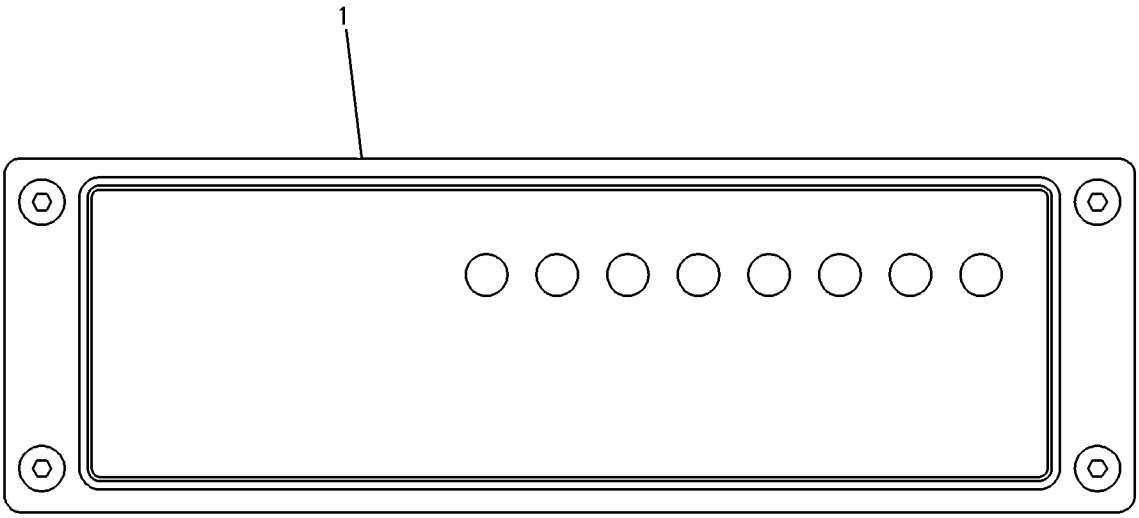
CUSTOM, PROVIDES 8 LEDS TO ANNUNCIATE CUSTOMER DEFINED ALARMS

AN ATTACHMENT

SMCS-7400 **i01777840**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*130-3333*	1	CONTROL GP-ALARM MODULE (CUSTOM)	457

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00908950

OPERATOR STATION

220-7915 MODULE GP-ALARM

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

PROVIDES FLASHING LEDS AND HORN TO ANNUNCIATE HIGH COOLANT TEMPERATURE ALARM, LOW OIL PRESSURE ALARM, LOW DC VOLTS ALARM, PLUS THE FOLLOWING THAT REQUIRE CUSTOMER PROVIDED SWITCHES: LOW OIL LEVEL ALARM, LOW COOLANT ALARM, AND ONE SPARE LED

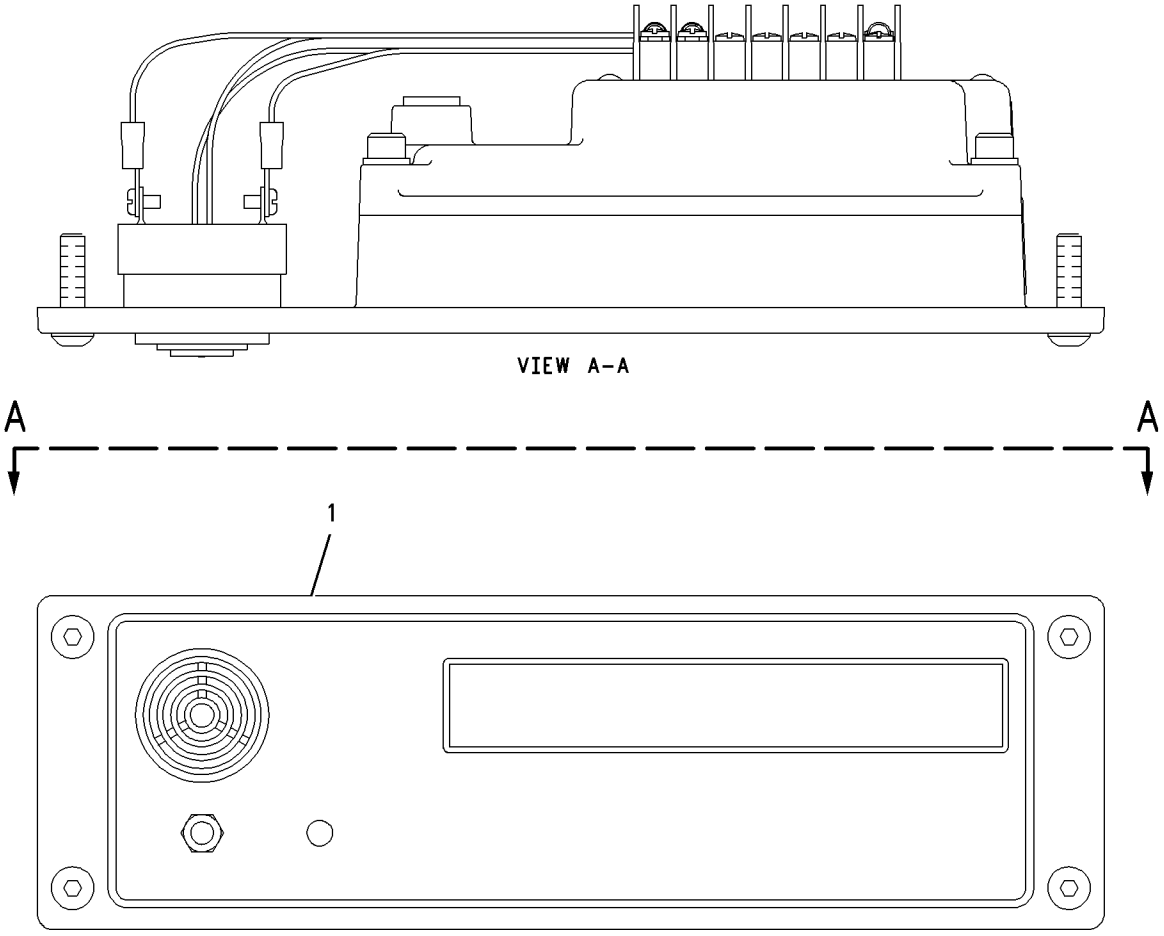
FOR USE WITH PRIME POWER APPLICATIONS

AN ATTACHMENT

SMCS-7400 **i01701919**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*7E-1234*	1	CONTROL GP-ALARM MODULE	450

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00758206

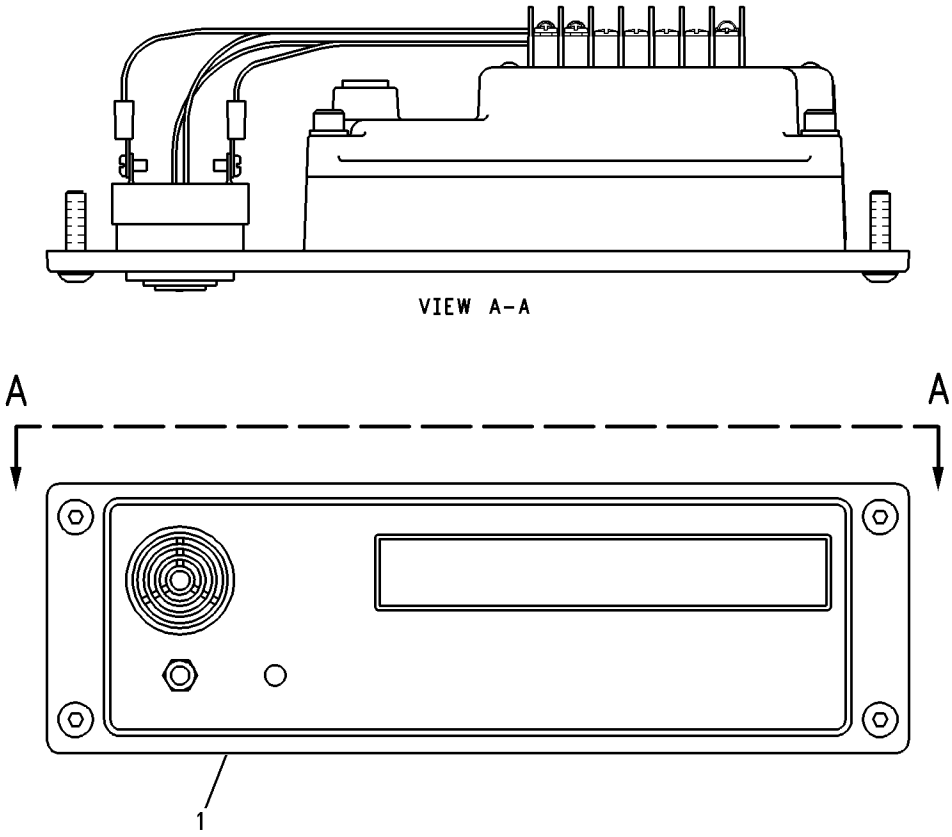
220-7918 MODULE GP-ALARM

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PROVIDES FLASHING LEDS AND HORN TO ANNUNCIATE: HIGH COOLANT TEMPERATURE ALARM, LOW COOLANT TEMPERATURE ALARM, LOW OIL PRESSURE ALARM, LOW DC VOLTS ALARM, SYSTEM NOT IN AUTO, PLUS THE FOLLOWING THAT REQUIRE CUSTOMER SWITCHES, LOW FUEL, BATTERY CHARGER MALFUNCTION, ENGINE INLET AIR DAMPER CLOSED
FOR USE WITH EMCPII PANEL
AN ATTACHMENT

SMCS-7400 **i01702313**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*9Y-2906*	1	CONTROL GP-ALARM MODULE	452

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00758211

OPERATOR STATION

220-8181 MODULE GP-ALARM

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

PROVIDES FLASHING LEDS AND HORN TO ANNUNCIATE: HIGH COOLANT TEMPERATURE ALARM, LOW COOLANT TEMPERATURE ALARM, LOW OIL PRESSURE ALARM, LOW DC VOLTS ALARM, SYSTEM NOT IN AUTO, LOW FUEL LEVEL WITH CUSTOMER PROVIDED SWITCH , TWO SPARE LEDS

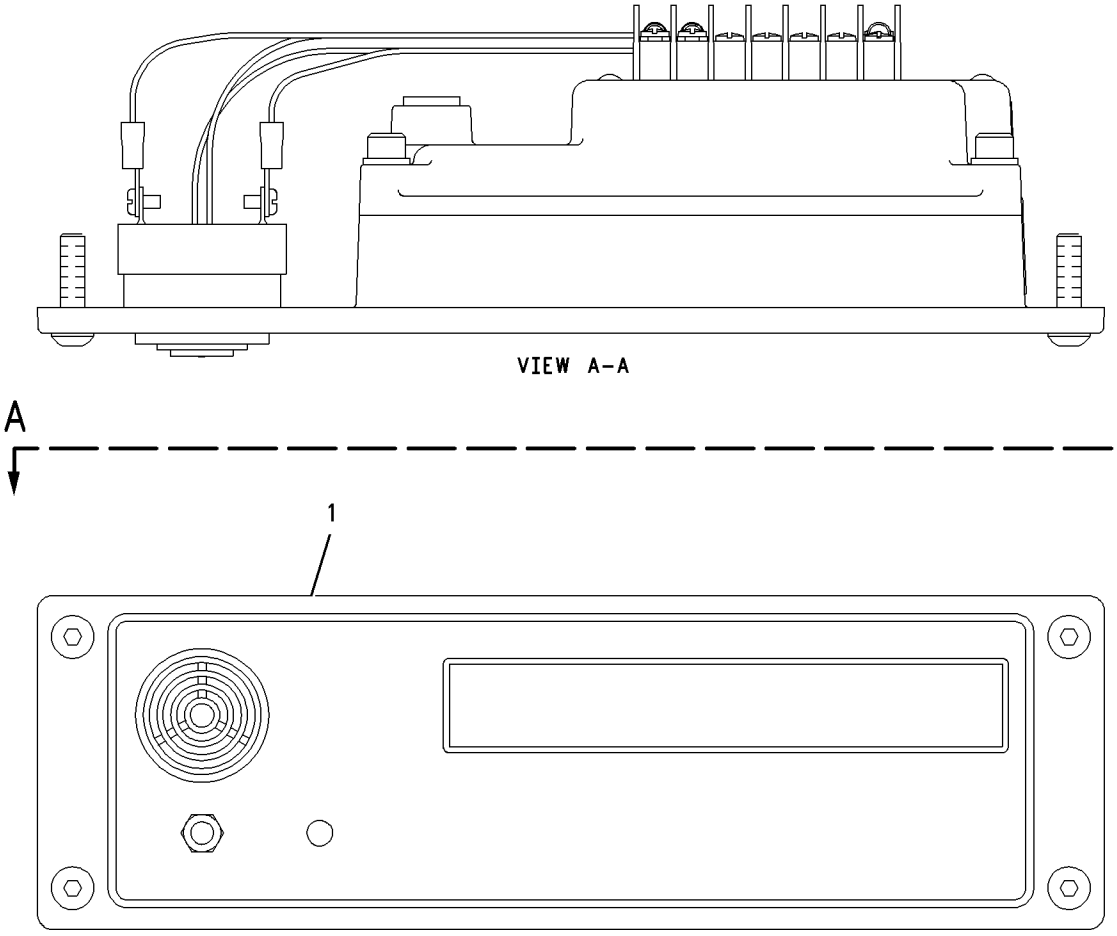
FOR USE WITH EMCPII PANEL

AN ATTACHMENT

SMCS-7400 **i01702099**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*9Y-2907*	1	CONTROL GP-ALARM MODULE	453

Y-SEPARATE ILLUSTRATION



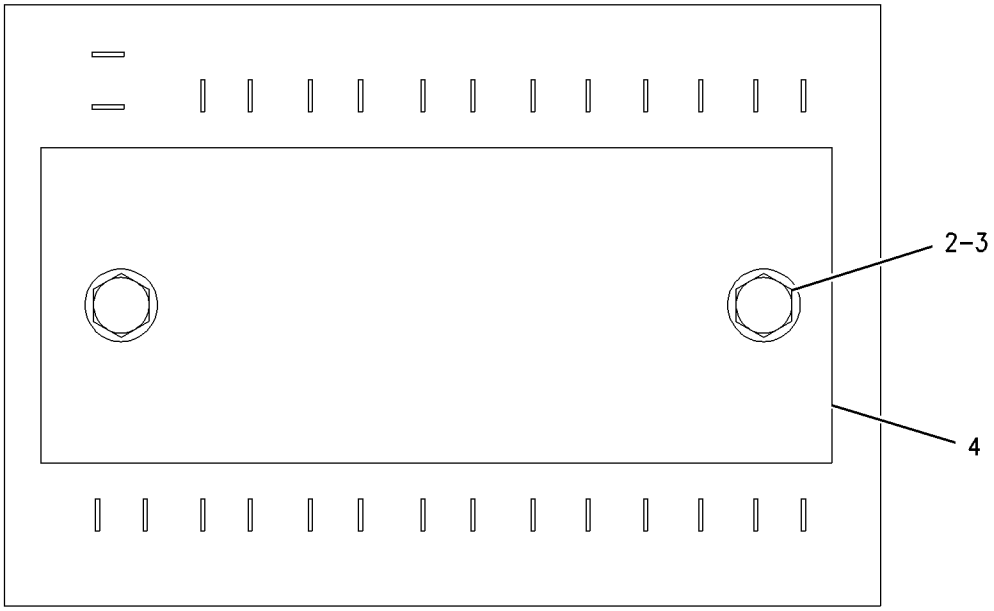
GRAPHIC #1 **<END>** g00758206

9X-0203 MODULE GP-RELAY DRIVER

S/N: KPS1-UP
PART OF 9Y-6496 MODULE GP-INTERFACE
FOR USE WITH EMCP CONTROL PANELS
AN ATTACHMENT

SMCS-1927 **i01838222**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	**2D-7563**	2	BOLT (1/4-28X1.75 IN)	
	3	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	4	1	**9X-1391**	1	FILM-IDENTIFICATION (CUSTOMER INTERFACE MODULE)	



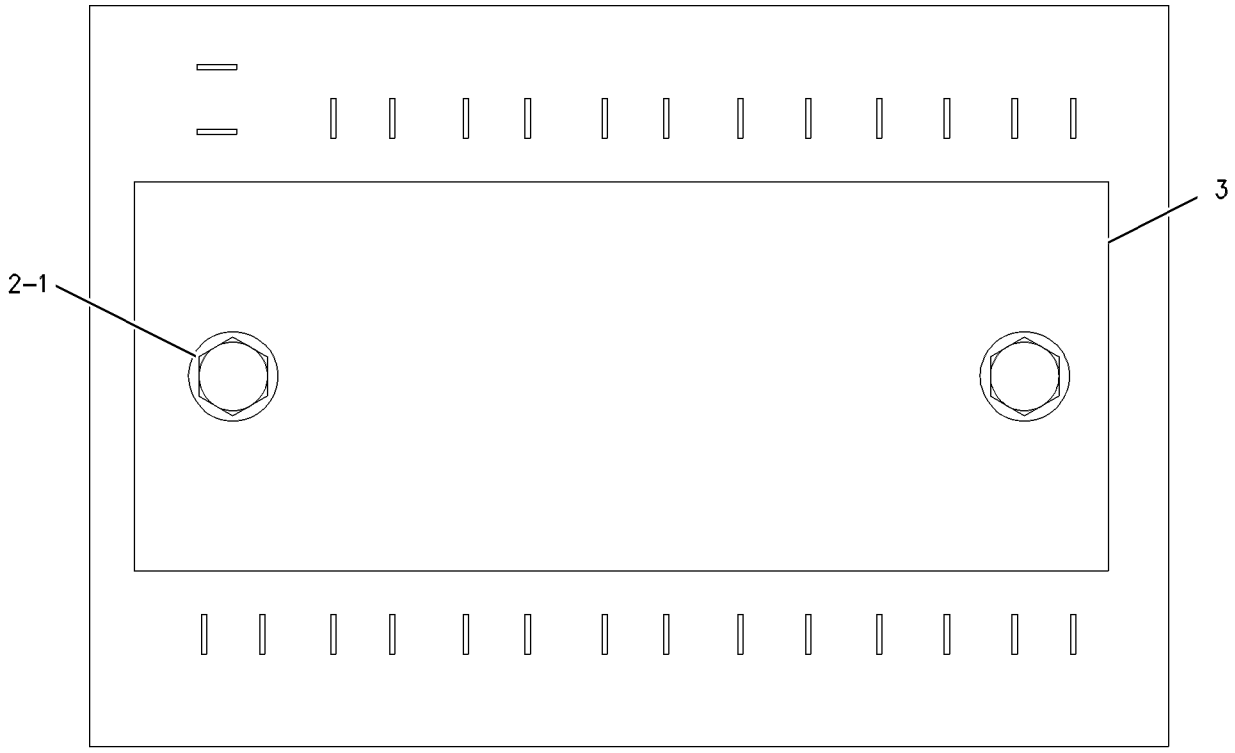
GRAPHIC #1 **<END>** g00745710

123-7450 MODULE GP-RELAY DRIVER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 148-5368 CONTROL GP-EMCP ELECTRONIC
AN ATTACHMENT

SMCS-1927 **i01835208**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2D-7563**	2	BOLT (1/4-28X1.75 IN)	
	2	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	3	1	**127-3330**	1	FILM-CONTROL PANEL (EMCPII RELAY DRIVER MODULE)	



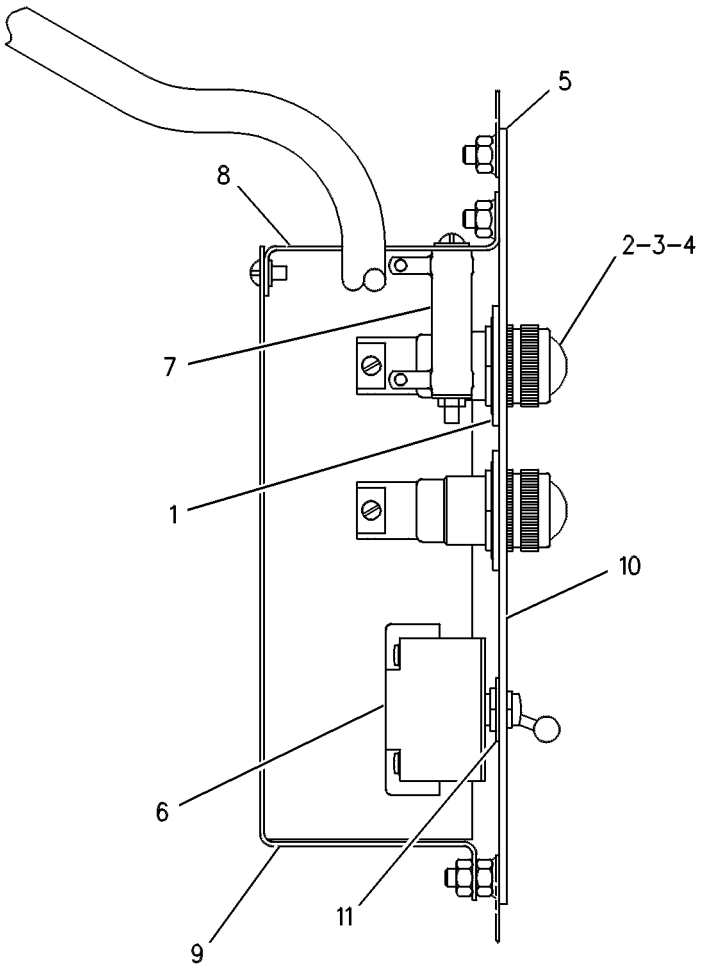
GRAPHIC #1 **<END>** g00626753

106-5169 MODULE GP-SYNCHRONIZING LIGHTS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
PROVIDES SYNCHRONIZING MODULE OPTION FOR THE ELECTRONIC MODULAR CONTROL PANEL (EMCP II)
PART OF 131-1969, 131-1970, 219-3222, 219-3231 MODULE GP-SYNCHRONIZING LIGHTS AN ATTACHMENT

SMCS-1429 **i01836752**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6L-9872**	2	WASHER (SEALING)	
	2	1	**4W-8754**	2	LENS-LAMP (CLEAR)	
	3	1	**5N-3615**	2	LAMP (6 WATT)	
	4	1	**4W-8755**	2	HOUSING AS-LAMP	
	5	1	**7C-0549**	1	PLATE AS-MODULE	
	6	1	**4W-8757**	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)	
	7	1	**7C-2945**	2	RESISTOR	
	8	1	**7C-4370**	1	BRACKET-SYNCHRONIZE MODULE	
	9	1	**106-5164**	1	COVER-SYNCHRONIZING MODULE	
	10	1	**7C-0972**	1	FILM-SYCHRONIZING PANEL (EMCP - ENGLISH/FRENCH)	
	11	1	**5L-5180**	1	WASHER (SEALING)	



GRAPHIC #1 **<END>** g00235811

OPERATOR STATION

106-5171 MODULE GP-SYNCHRONIZING LIGHTS

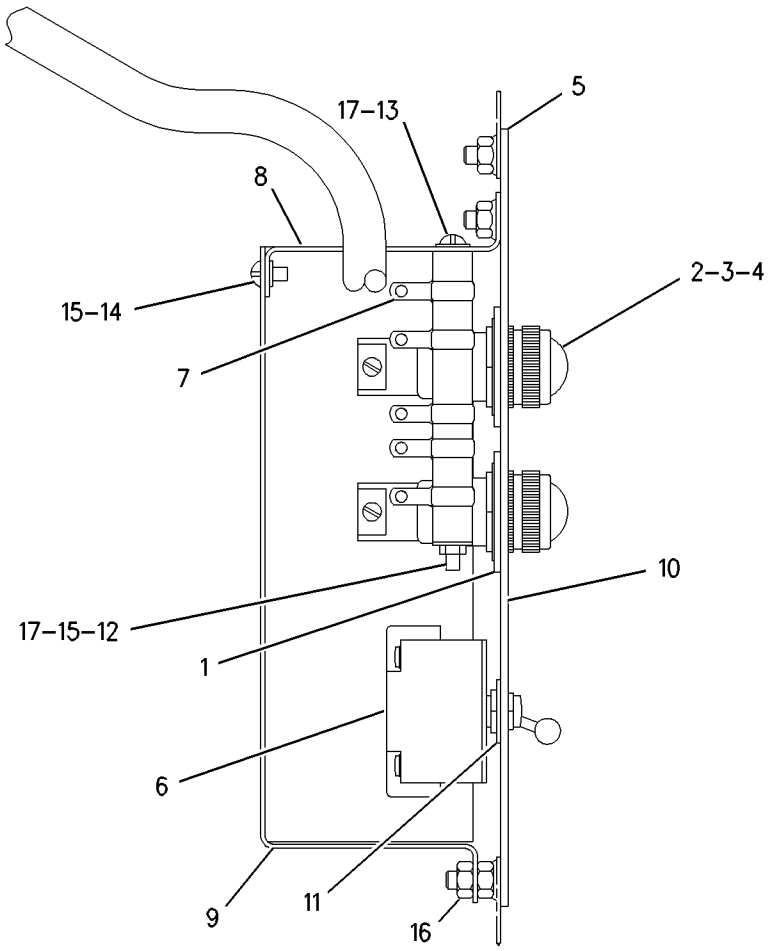
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP

PROVIDES SYNCHRONIZING MODULE OPTION FOR THE ELECTRONIC MODULAR CONTROL PANEL (EMCP II)

PART OF 131-1969, 131-1970, 219-3221, 220-7921 MODULE GP-SYNCHRONIZING LIGHTS AN ATTACHMENT

SMCS-1429 **i01969765**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6L-9872**	2	WASHER (SEALING)	
	2	1	**4W-8754**	2	LENS-LAMP (CLEAR)	
	3	1	**5N-3615**	2	LAMP (120 VOLT, 6 WATT)	
	4	1	**4W-8755**	2	HOUSING AS-LAMP	
	5	1	**7C-0549**	1	PLATE AS-MODULE	
	6	1	**4W-8757**	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)	
	7	1	**5N-5507**	2	RESISTOR (SYNCHRONIZING)	
	8	1	**7C-4370**	1	BRACKET	
	9	1	**106-5164**	1	COVER	
	10	1	**7C-0972**	1	FILM-SYCHRONIZING PANEL (EMCP)	
	11	1	**5L-5180**	1	WASHER (SEALING)	
	12	1	**4B-2047**	2	NUT (10-24 THD)	
	13	1	**227-8133**	2	SCREW-MACHINE (10-24X4.50 IN)	
	14	1	**2N-3478**	2	SCREW-MACHINE (10-24X.375IN)	
	15	1	**9F-8125**	4	LOCKWASHER (5.18X10.31X.02 IN)	
	16	1	**173-7181**	2	NUT (1/4-20 THD)	
	17	1	**8T-2228**	4	WASHER-HARD (6.5X17X2MM THK)	



GRAPHIC #1 **<END>** g00918012

131-1969 MODULE GP-SYNCHRONIZING LIGHTS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH CONTROL PANELS REQUIRING MANUAL SYNCHRONIZING LIGHTS, GENERATOR MOUNTED EMCP II CONTROL PANEL
AN ATTACHMENT

SMCS-1429 **i01701364**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
BY	**106-5169**	1	MODULE GP-SYNCHRONIZING LIGHTS	484
			(REQUIRED WITH 600 VOLT GENERATORS ONLY)	
BY	*106-5171*	1	MODULE GP-SYNCHRONIZING LIGHTS	485
			(REQUIRED WITH 0-480 VOLT GENERATORS ONLY)	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

<END>

131-1970 MODULE GP-SYNCHRONIZING LIGHTS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH CONTROL PANELS REQUIRING MANUAL SYNCHRONIZING LIGHTS AND A REVERSE POWER RELAY
AN ATTACHMENT

SMCS-1429 **i01701368**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
BLY	**106-5169**	1	MODULE GP-SYNCHRONIZING LIGHTS	484
BJY	*106-5171*	1	MODULE GP-SYNCHRONIZING LIGHTS	485
BJ	**5N-5510**	1	RELAY-REVERSE POWER	
BL	**7C-4378**	1	RELAY-REVERSE POWER	

B-USE AS REQUIRED
J-REQUIRED FOR 0-480 VOLT GENERATORS ONLY
L-REQUIRED FOR 600 VOLT GENERATORS ONLY
Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

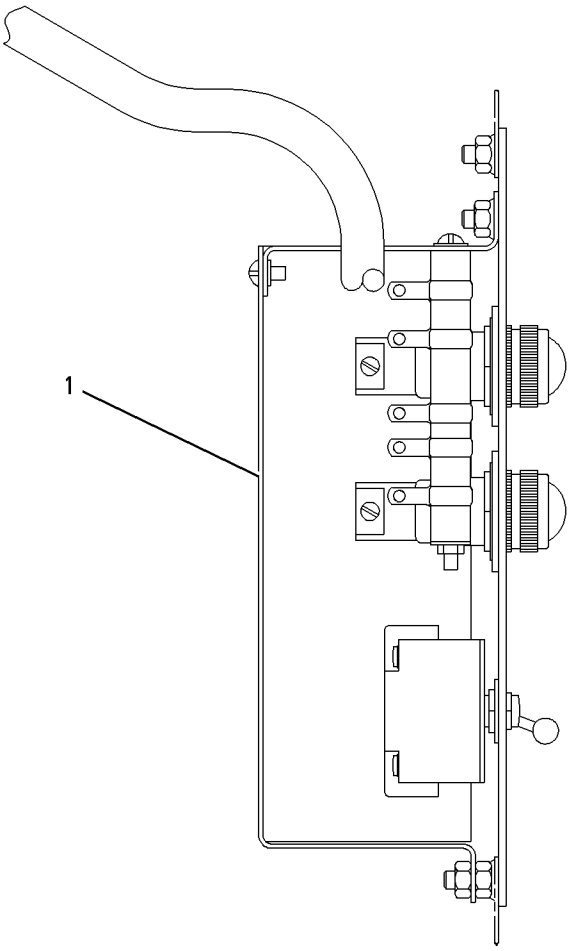
219-3221 MODULE GP-SYNCHRONIZING LIGHTS

S/N: KPS1-UP
FOR USE WITH 0-480 VOLT GENERATORS ONLY
AN ATTACHMENT

SMCS-1429 **i01777599**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**106-5171**	1	MODULE GP-SYNCHRONIZING LIGHTS	485

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00908838

OPERATOR STATION

219-3222 MODULE GP-SYNCHRONIZING LIGHTS

S/N: KPS1-UP
0-600 VOLT
AN ATTACHMENT

SMCS-1429 **i01777727**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**106-5169**	1	MODULE GP-SYNCHRONIZING LIGHTS	484
	7C-4378	1	RELAY-REVERSE POWER	

Y-SEPARATE ILLUSTRATION

<END>

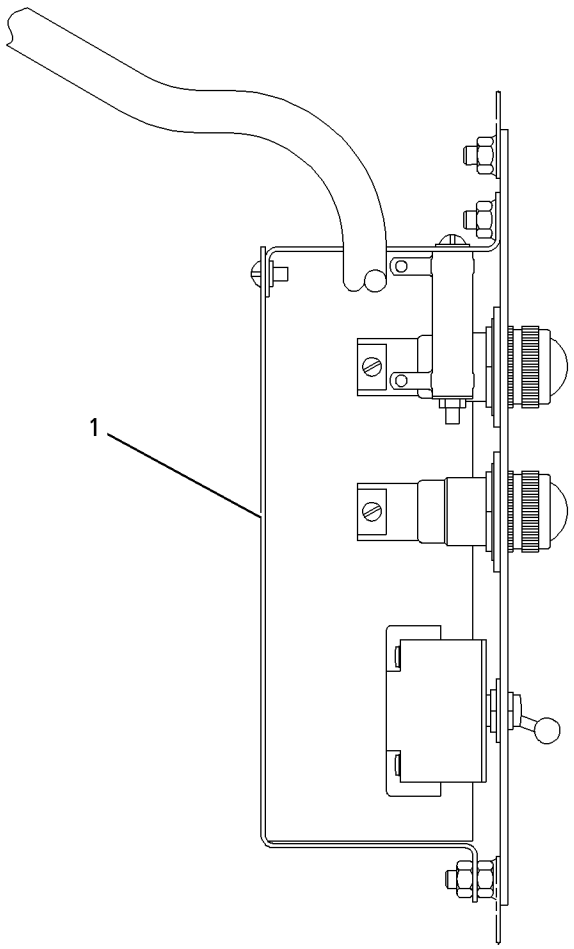
219-3231 MODULE GP-SYNCHRONIZING LIGHTS

S/N: KPS1-UP
FOR USE WITH 0-600 VOLT GENERATORS ONLY
AN ATTACHMENT

SMCS-1429 **i01778008**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**106-5169**	1	MODULE GP-SYNCHRONIZING LIGHTS	484

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00909069

OPERATOR STATION

220-7921 MODULE GP-SYNCHRONIZING LIGHTS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH EMCPII CONTROL PANEL
AN ATTACHMENT

SMCS-1429 **i01776534**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**106-5171**	1	MODULE GP-SYNCHRONIZING LIGHTS	485
	5N-5510	1	RELAY-REVERSE POWER	

Y-SEPARATE ILLUSTRATION

<END>

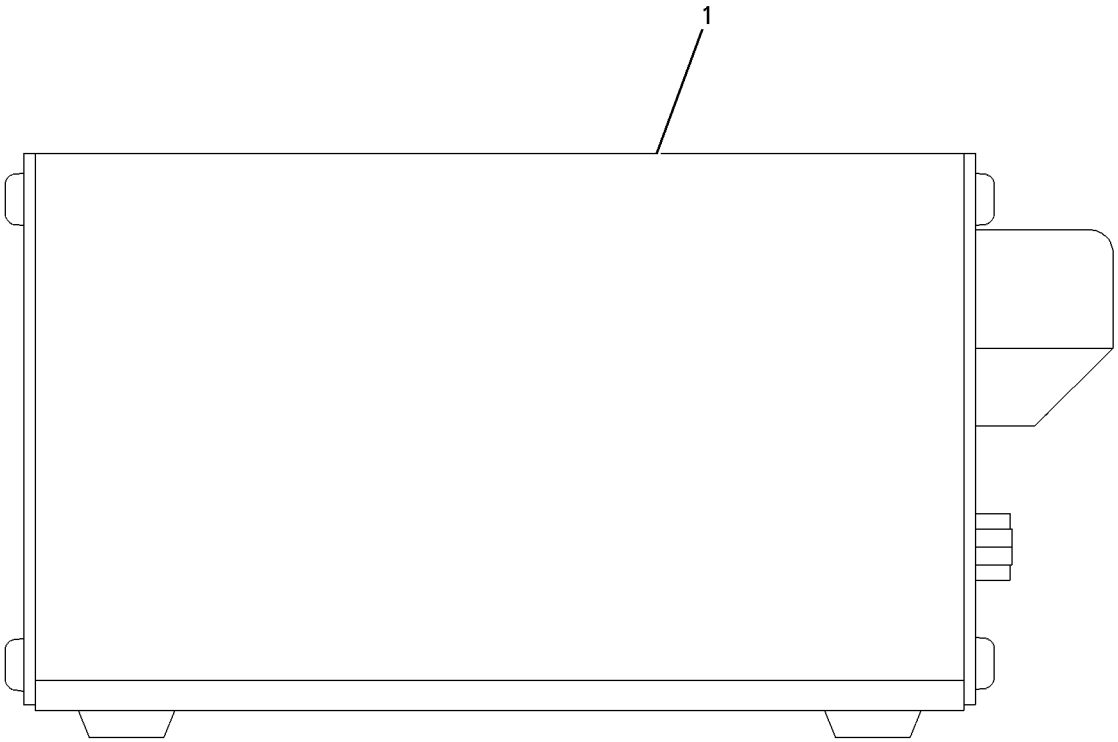
102-8627 MODULE GP-SYSTEM COMMUNICATION

S/N: KPS1-UP
COMMUNICATION MODULE
AN ATTACHMENT

SMCS-1926 **i01026456**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**164-8940**	1	MODULE GP-SYSTEM COMMUNICATION	493

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00535441

164-8940 MODULE GP-SYSTEM COMMUNICATION

S/N: KPS1-UP

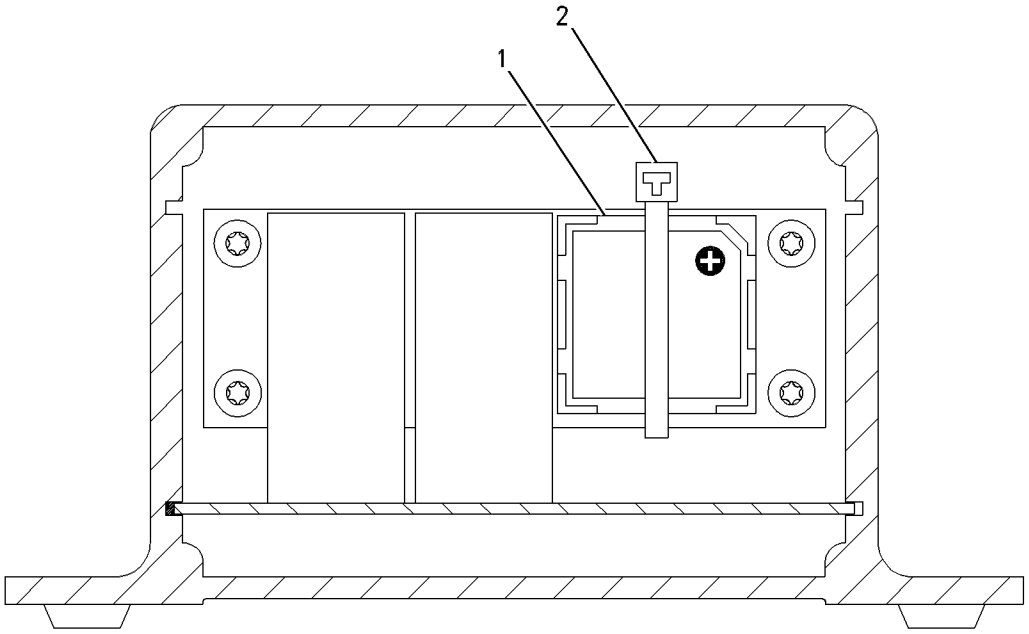
PART OF 102-8627 MODULE GP-SYSTEM COMMUNICATION

AN ATTACHMENT

SMCS-1926 **i01972231**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-1785**	1	BATTERY (LITHIUM) (3 VOLT)	
	2	1	**8L-8413**	1	STRAP-CABLE	
F		1	**109-5737**	1	FILM-DISPLAY (COMMUNICATION MODULE)	
F		1	**109-5738**	1	FILM-INTERFACE (COMMUNICATION MODULE)	

F-NOT SHOWN



GRAPHIC #1 **<END>** g00536597

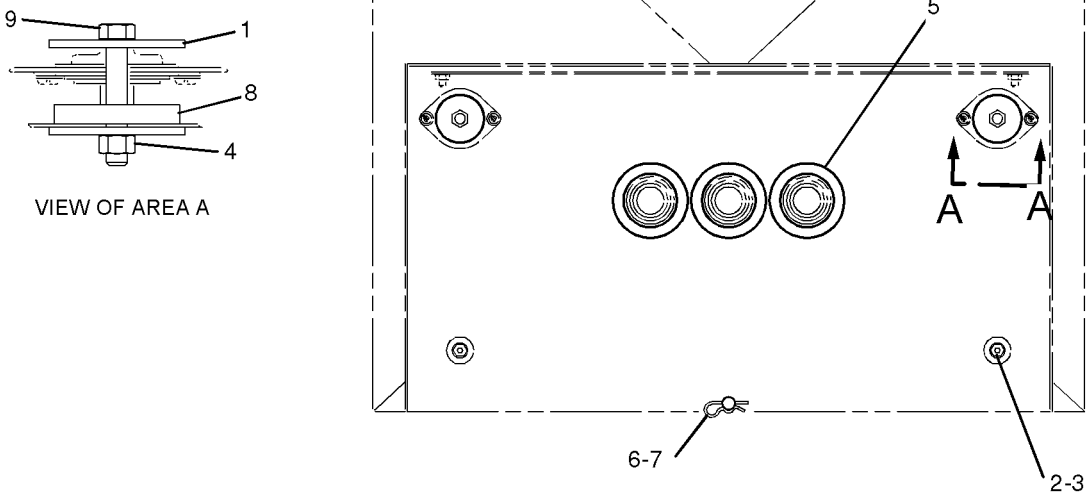
104-4704 MOUNTING GP-CONTROL PANEL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP; KPS1-UP
CANNOT BE USED WITH DUSTPROOF PANEL
AN ATTACHMENT

SMCS-7451 **i01956990**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4226**	4	WASHER-PLATED (10.5X45X3MM THK)	
	2	1	**3E-9865**	2	LOCKNUT	
	3	1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	4	1	**3K-6060**	2	LOCKNUT	
	5	1	**7C-2675**	3	SEAL-BELLOWS	
B	6	1	**1B-0676**	1	PIN	
B	7	1	**5P-0372**	1	LOCK PIN	
	8	1	**5S-3552**	2	PLATE	
	9	1	**8T-9377**	2	BOLT (3/8-16X2.25 IN)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g01017326

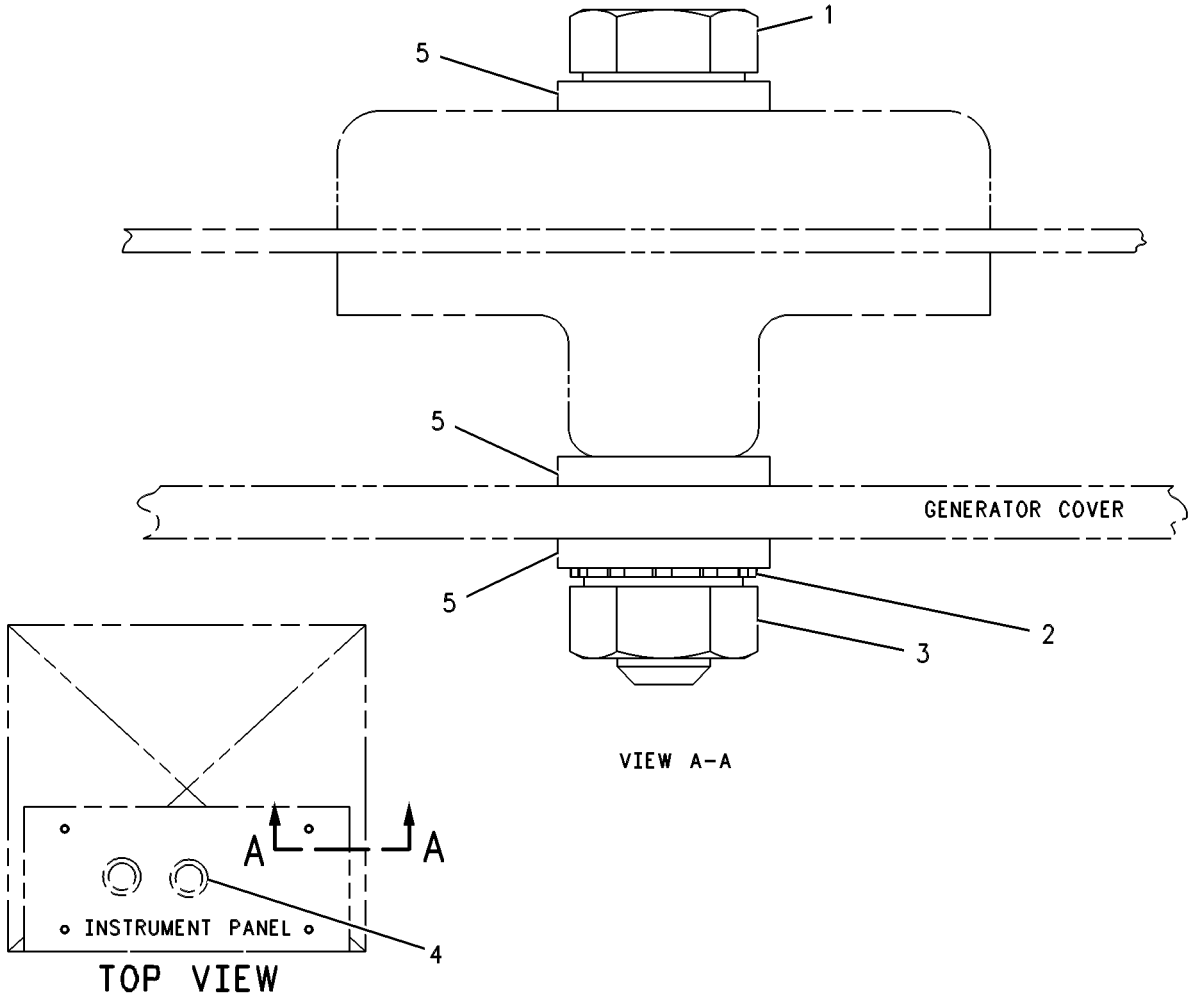
130-7241 MOUNTING GP-INSTRUMENT PANEL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

AN ATTACHMENT

SMCS-7451 **i00707056**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-3178**	4	BOLT (1/4-20X1.625IN)	
	2	1	**1H-3338**	4	LOCKWASHER (1/4-EXT.)	
	3	1	**6V-8185**	4	NUT (1/4-20 THD)	
	4	1	**7C-2675**	2	SEAL-BELLOWS	
	5	1	**8T-4205**	12	WASHER-HARD (2MM THK)	



GRAPHIC #1 **<END>** g00256240

OPERATOR STATION

145-9408 PANEL AR-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

FIELD INSTALLATION

SMCS-7451 **i01971419**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	144-9044	1	HARNESS AS-WIRING (CONTROL PANEL)	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8813	1	SEAL	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8812	1	SEAL	
Y	*145-9412*	1	KIT-CONTROL PANEL INSTALLATION	654
Y	*145-9410*	1	PANEL GP-CONTROL	497
Y-SEPARATE ILLUSTRATION				

<END>

145-9409 PANEL AR-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

FIELD INSTALLATION

SMCS-7451 **i01971438**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	144-9044	1	HARNESS AS-WIRING (CONTROL PANEL)	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8813	1	SEAL	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8812	1	SEAL	
Y	*145-9412*	1	KIT-CONTROL PANEL INSTALLATION	654
Y	*145-9411*	1	PANEL GP-CONTROL	500
Y-SEPARATE ILLUSTRATION				

<END>

OPERATOR STATION

151-5550 PANEL AR-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
RETRO-FIT
FIELD INSTALLATION

SMCS-7451 **i01971450**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	144-9044	1	HARNESS AS-WIRING (CONTROL PANEL)	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8813	1	SEAL	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8812	1	SEAL	
Y	*151-5554*	1	KIT-CONTROL PANEL INSTALLATION	655
Y	*151-5552*	1	PANEL GP-CONTROL	502
Y-SEPARATE ILLUSTRATION				

<END>

151-5551 PANEL AR-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
RETRO-FIT
FIELD INSTALLATION

SMCS-7451 **i01971458**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	144-9044	1	HARNESS AS-WIRING (CONTROL PANEL)	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	102-8813	1	SEAL	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (CONTROL PANEL WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
Y	*151-5554*	1	KIT-CONTROL PANEL INSTALLATION	655
Y	*151-5553*	1	PANEL GP-CONTROL	504
Y-SEPARATE ILLUSTRATION				

<END>

145-9410 PANEL GP-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
EMCPII, ETR, RETRO-FIT, UNIVERSAL INSTALLATION
PART OF 145-9408 PANEL AR-CONTROL
FOR USE WITH STANDARD PANEL/DUSTPROOF, PANEL LIGHTS/AUXILIARY RELAY COOLANT LOSS ENERGIZED TO RUN, CUSTOMER SUPPLIED CURRENT TRANSFORMERS

SMCS-4490, 7451 **i01974337**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5N-9117	3	ADAPTER	
	103-6197	1	BLOCK-TERMINAL	
	104-2994	1	BLOCK-TERMINAL	
	8T-2501	2	BOLT (3/8-16X2 IN)	
	1N-9770	1	CIRCUIT BREAKER AS (12.5 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	

145-9410 **PANEL GP-CONTROL** ***(contd.)*** **i01974337**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	9H-1958	1	CIRCUIT BREAKER GP (20 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	4P-2162	3	CLIP	
	5N-9072	3	CLIP	
	5N-9067	3	COLLAR	
	6V-5817	2	CONDUIT-FLEXIBLE	
Y	**101-0225**	1	CONTROL GP-EMCP ELECTRONIC	460
Y	**136-3870**	1	CONTROL GP-EMCP ELECTRONIC	467
			—OR—	
Y	**133-6350**	1	CONTROL GP-EMCP ELECTRONIC	465
Y	*7E-8396*	1	CONTROL GP-FUEL	213
	2W-4899	1	DIODE AS	
	5N-4988	1	DIODE AS	
	9Y-8412	1	DIODE AS	
	103-1837	1	FILM-CONTROL PANEL (MANUAL STARTING AID)	
	4P-6407	1	FILM-EMCP II	
	7C-4062	1	FILM-IDENTIFICATION (REVERSE POWER)	
	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)	
	9Y-9782	1	FILM-IDENTIFICATION (10A DC FUSE)	
	9Y-9783	1	FILM-IDENTIFICATION (2A DC FUSE)	
	106-9926	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)	
	7C-0974	1	FILM-WARNING (ELECTRICAL SHOCK)	
	3K-8782	16	FUSE (10 AMP)	
	7W-0482	3	FUSE (2 AMP)	
	8T-2882	1	HANDLE-PULL	
	5N-5159	2	JUMPER-STRIP	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG ASSEMBLY & WEDGE)	
	155-2274	1	KIT-CONNECTING PLUG (6-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG ASSEMBLY & WEDGE)	
	102-8806	1	KIT-RECEPTACLE (8 PIN) (CONTROL PANEL)	
			(INCLUDES RECEPTACLE ASSEMBLY & WEDGE)	
	4W-5972	1	KNOB (VOLTAGE LEVEL)	
	7N-5876	2	LAMP (24 VOLT)	
	7G-9730	2	LAMP AS (120 VOLT/3 WATT)	
			(EACH INCLUDES)	
	6V-8367	1	LOCKWASHER	
	6V-8382	1	NUT-HEX (11/16-27 THD)	
	062-5388	3	LOCKNUT	
	4D-1326	2	LOCKWASHER	
	8C-7507	4	LOCKWASHER	
	3N-5611	2	MOUNT AS	
	7C-6121	2	MOUNT-FLEXIBLE	
	4B-2049	4	NUT (10-32 THD)	
	6V-8801	2	NUT (3/8-16 THD)	
Y	**147-6842**	1	PANEL AS	502
	7C-1009	2	PLATE AS-COVER	
	110-6845	1	PLUG AS-CONNECTOR (40 PIN)	
	1U-9053	1	CAPSULE-LUBRICANT	
	110-6844	1	SEAL	
	5P-4935	2	PLUG-BUTTON	
	7C-4471	1	POTENTIOMETER (23 WATT)	
	129-0308	1	POTENTIOMETER (2 WATT)	
	125-9969	1	RAIL	
Y	**128-3326**	1	RELAY GP-AUXILIARY	403
	2N-3479	4	SCREW (10-24X0.5 IN)	
	4P-2161	3	SCREW	
Y	**103-8975**	1	SEAL GP-ENCLOSURE	524

145-9410 **PANEL GP-CONTROL** ***(contd.)*** **i01974337**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	**6V-6640**		SEALANT	
Y	*111-7760*	1	SHUTOFF GP-ELECTRICAL	417
	141-2064	1	STRIP-MARKER	
	4D-1260	1	STRIP AS-TERMINAL	
	6V-8376	28	SCREW-MACHINE (8-32X0.25 IN)	
	7C-9179	1	STRIP-TERMINAL	
	3N-5979	1	SWITCH GP-ENGINE START (4 POSITION) (ENGINE CONTROL)	
	9X-8124	2	SWITCH AS-MAGNETIC (24 VOLT) (DUAL STARTING MOTORS)	
			(EACH INCLUDES)	
M	**8T-4134**	2	NUT (M6X1 THD)	
	8D-2676	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	
	3L-8187	2	LOCKWASHER	
	6T-3631	2	NUT-HEX (15/32-32 THD)	
	6T-3632	1	LOCKWASHER	
	6T-3633	1	RING-LOCKING	
	6V-8374	2	SCREW-MACHINE (6-32X0.25 IN)	
	4W-8102	3	TRANSFORMER (RATIO 150:5)	
	5N-5429	3	TRANSFORMER (RATIO 100:5)	
	5N-5431	3	TRANSFORMER (RATIO 300:5)	
	5N-5432	3	TRANSFORMER (RATIO 400:5)	
	5N-5433	3	TRANSFORMER (RATIO 600:5)	
	5N-5434	3	TRANSFORMER (RATIO 800:5)	
	6I-1952	3	TRANSFORMER (RATIO 600:5 TYPE ND)	
	7E-1112	3	TRANSFORMER (RATIO 800:5 TYPE ND)	
	7E-1113	3	TRANSFORMER (RATIO 1000:5 TYPE ND)	
	7E-1114	3	TRANSFORMER (RATIO 1200:5 TYPE ND)	
	7E-1116	3	TRANSFORMER (RATIO 2000:5)	
	7E-1117	3	TRANSFORMER (RATIO 2500:5)	
	7E-1118	3	TRANSFORMER (RATIO 3000:5)	
	7E-1119	3	TRANSFORMER (RATIO 4000:5)	
	7W-6598	3	TRANSFORMER (RATIO 3000:5)	
	7W-7805	3	TRANSFORMER (RATIO 4000:5)	
	7W-8835	3	TRANSFORMER (RATIO 2500:5)	
	7W-8837	3	TRANSFORMER (RATIO 1500:5)	
	7W-8838	3	TRANSFORMER (RATIO 1200:5)	
	7W-8839	3	TRANSFORMER (RATIO 1000:5)	
	5N-5430	3	TRANSFORMER-CURRENT (RATIO 200:5)	
	7W-8836	3	TRANSFORMER-CURRENT (RATIO 2000:5)	
	4B-4274	4	WASHER (5.5X13X1.2MM THK)	
	4P-2160	3	WASHER (RETAINING RING)	

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

145-9411 PANEL GP-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
EMCPII, ETS, RETRO-FIT, UNIVERSAL APPLICATION
PART OF 145-9409 PANEL AR-CONTROL
FOR USE WITH STANDARD PANEL/DUSTPROOF, PANEL LIGHTS/AUXILIARY RELAY COOLANT LOSS ENERGIZED TO SHUT-OFF, CUSTOMER SUPPLIED CURRENT TRANSFORMERS

SMCS-4490, 7451 **i01971471**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5N-9117	3	ADAPTER	
	103-6197	1	BLOCK-TERMINAL	
	104-2994	1	BLOCK-TERMINAL	
	8T-2501	2	BOLT (3/8-16X2 IN)	
	1N-9770	1	CIRCUIT BREAKER AS (12.5 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	9H-1958	1	CIRCUIT BREAKER GP (20 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	4P-2162	3	CLIP	
	5N-9072	3	CLIP	
	5N-9067	3	COLLAR	
	6V-5817	2	CONDUIT-FLEXIBLE	
Y	**101-0225**	1	CONTROL GP-EMCP ELECTRONIC	460
Y	**136-3870**	1	CONTROL GP-EMCP ELECTRONIC	467
			—OR—	
Y	**133-6350**	1	CONTROL GP-EMCP ELECTRONIC	465
	2W-4899	1	DIODE AS	
	5N-4988	1	DIODE AS	
	9Y-8412	1	DIODE AS	
	103-1837	1	FILM-CONTROL PANEL (MANUAL STARTING AID)	
	4P-6407	1	FILM-EMCP II	
	7C-4062	1	FILM-IDENTIFICATION (REVERSE POWER)	
	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)	
	9Y-9782	1	FILM-IDENTIFICATION (10A DC FUSE)	
	9Y-9783	1	FILM-IDENTIFICATION (2A DC FUSE)	
	106-9926	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)	
	7C-0974	1	FILM-WARNING (ELECTRICAL SHOCK)	
	3K-8782	16	FUSE (10 AMP)	
	7W-0482	3	FUSE (2 AMP)	
	8T-2882	1	HANDLE-PULL	
	5N-5159	2	JUMPER-STRIP	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG ASSEMBLY & WEDGE)	
	155-2274	1	KIT-CONNECTING PLUG (6-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG ASSEMBLY & WEDGE)	
	102-8806	1	KIT-RECEPTACLE (8 PIN) (CONTROL PANEL)	
			(INCLUDES RECEPTACLE ASSEMBLY & WEDGE)	
	4W-5972	1	KNOB (VOLTAGE LEVEL)	
	7N-5876	2	LAMP (24 VOLT)	
	7G-9730	2	LAMP AS (120 VOLT/3 WATT)	
			(EACH INCLUDES)	
	6V-8367	1	LOCKWASHER	
	6V-8382	1	NUT-HEX (11/16-27 THD)	
	062-5388	3	LOCKNUT	
	4D-1326	2	LOCKWASHER	
	8C-7507	4	LOCKWASHER	
	3N-5611	2	MOUNT AS	
	7C-6121	2	MOUNT-FLEXIBLE	
	4B-2049	4	NUT (10-32 THD)	
	6V-8801	2	NUT (3/8-16 THD)	
Y	**147-6842**	1	PANEL AS	502

145-9411 **PANEL GP-CONTROL** ***(contd.)*** **i01971471**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7C-1009	2	PLATE AS-COVER	
	110-6845	1	PLUG AS-CONNECTOR (40 PIN)	
	1U-9053	1	CAPSULE-LUBRICANT	
	110-6844	1	SEAL	
	5P-4935	2	PLUG-BUTTON	
	7C-4471	1	POTENTIOMETER (23 WATT)	
	129-0308	1	POTENTIOMETER (2 WATT)	
	125-9969	1	RAIL	
Y	**128-3326**	1	RELAY GP-AUXILIARY	403
	2N-3479	4	SCREW (10-24X0.5 IN)	
	4P-2161	3	SCREW	
Y	**103-8975**	1	SEAL GP-ENCLOSURE	524
B	**6V-6640**		SEALANT	
Y	*111-7761*	1	SHUTOFF GP-ELECTRICAL	417
	141-2064	1	STRIP-MARKER	
	4D-1260	1	STRIP AS-TERMINAL	
	6V-8376	28	SCREW-MACHINE (8-32X0.25 IN)	
	7C-9179	1	STRIP-TERMINAL	
	3N-5979	1	SWITCH GP-ENGINE START (4 POSITION)	
	9X-8124	2	SWITCH AS-MAGNETIC (24 VOLT) (DUAL STARTING MOTORS)	
			(EACH INCLUDES)	
M	**8T-4134**	2	NUT (M6X1 THD)	
	8D-2676	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	
	3L-8187	2	LOCKWASHER	
	6T-3631	2	NUT-HEX (15/32-32 THD)	
	6T-3632	1	LOCKWASHER	
	6T-3633	1	RING-LOCKING	
	6V-8374	2	SCREW-MACHINE (6-32X0.25 IN)	
	4W-8102	3	TRANSFORMER (RATIO 150:5)	
	5N-5429	3	TRANSFORMER (RATIO 100:5)	
	5N-5431	3	TRANSFORMER (RATIO 300:5)	
	5N-5432	3	TRANSFORMER (RATIO 400:5)	
	5N-5433	3	TRANSFORMER (RATIO 600:5)	
	5N-5434	3	TRANSFORMER (RATIO 800:5)	
	6I-1952	3	TRANSFORMER (RATIO 600:5 TYPE ND)	
	7E-1112	3	TRANSFORMER (RATIO 800:5 TYPE ND)	
	7E-1113	3	TRANSFORMER (RATIO 1000:5 TYPE ND)	
	7E-1114	3	TRANSFORMER (RATIO 1200:5 TYPE ND)	
	7E-1116	3	TRANSFORMER (RATIO 2000:5)	
	7E-1117	3	TRANSFORMER (RATIO 2500:5)	
	7E-1118	3	TRANSFORMER (RATIO 3000:5)	
	7E-1119	3	TRANSFORMER (RATIO 4000:5)	
	7W-6598	3	TRANSFORMER (RATIO 3000:5)	
	7W-7805	3	TRANSFORMER (RATIO 4000:5)	
	7W-8835	3	TRANSFORMER (RATIO 2500:5)	
	7W-8837	3	TRANSFORMER (RATIO 1500:5)	
	7W-8838	3	TRANSFORMER (RATIO 1200:5)	
	7W-8839	3	TRANSFORMER (RATIO 1000:5)	
	5N-5430	3	TRANSFORMER-CURRENT (RATIO 200:5)	
	7W-8836	3	TRANSFORMER-CURRENT (RATIO 2000:5)	
	4B-4274	4	WASHER (5.5X13X1.2MM THK)	
	4P-2160	3	WASHER (RETAINING RING)	

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

147-6842 PANEL AS–RETRO-FIT SHEETMETAL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 145-9410, 145-9411, 151-5552, 151-5553 PANEL GP-CONTROL
FOR USE WITH EMCPII ENCLOSURE

SMCS-4490, 7451 **i01707578**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	147-6843	1	BOX AS	
	4P-2162	3	CLIP	
	147-6846	1	DOOR	
	8T-2882	1	HANDLE-PULL	
	5P-0372	1	LOCK PIN	
	101-9798	1	PANEL AS	
	104-7287	1	PANEL AS	
	1B-0676	1	PIN	
	4P-2161	3	SCREW	
	7S-1197	2	SCREW-MACHINE (8-32X.5IN)	
	4P-2160	3	WASHER	

<END>

151-5552 PANEL GP-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
EMCPII+, RETRO-FIT, UNIVERSAL INSTALLATION
PART OF 151-5550 PANEL AR-CONTROL
FOR USE WITH STANDARD PANEL/DUSTPROOF, PANEL LIGHTS, AUXILIARY RELAY COOLANT LOSS, ENERGIZED TO RUN, CUSTOMER SUPPLIED CURRENT TRANSFORMERS

SMCS-4490, 7451 **i01971493**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5N-9117	3	ADAPTER	
	103-6197	1	BLOCK-TERMINAL	
	104-2994	1	BLOCK-TERMINAL	
	8T-2501	2	BOLT (3/8-16X2 IN)	
	1N-9770	1	CIRCUIT BREAKER AS (12.5 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	9H-1958	1	CIRCUIT BREAKER GP (20 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	4P-2162	3	CLIP	
	5N-9072	3	CLIP	
	5N-9067	3	COLLAR	
	6V-5817	2	CONDUIT-FLEXIBLE	
Y	**118-0175**	1	CONTROL GP-EMCP ELECTRONIC (AC TRANSFORMER BOX +)	462
Y	**118-2070**	1	CONTROL GP-EMCP ELECTRONIC	463
Y	*7E-8396*	1	CONTROL GP-FUEL	213
	2W-4899	1	DIODE AS	
	5N-4988	1	DIODE AS	
	9Y-8412	1	DIODE AS	
	103-1837	1	FILM-CONTROL PANEL (MANUAL STARTING AID)	
	130-9715	1	FILM-CONTROL PANEL	
	7C-4062	1	FILM-IDENTIFICATION (REVERSE POWER)	
	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)	
	9Y-9782	1	FILM-IDENTIFICATION (10A DC FUSE)	
	9Y-9783	1	FILM-IDENTIFICATION (2A DC FUSE)	
	106-9926	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)	
	7C-0974	1	FILM-WARNING (ELECTRICAL SHOCK)	
	3K-8782	16	FUSE (10 AMP)	
	7W-0482	3	FUSE (2 AMP)	

151-5552 **PANEL GP-CONTROL** ***(contd.)*** **i01971493**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	8T-2882	1	HANDLE-PULL	
	5N-5159	2	JUMPER-STRIP	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG AS & WEDGE)	
	155-2274	1	KIT-CONNECTING PLUG (6-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG AS & WEDGE)	
	102-8806	1	KIT-RECEPTACLE (8 PIN) (CONTROL PANEL)	
			(INCLUDES RECEPTACLE AS & WEDGE)	
	4W-5972	1	KNOB (VOLTAGE LEVEL)	
	7N-5876	2	LAMP (24 VOLT)	
	7G-9730	2	LAMP AS (120 VOLT/3 WATT)	
			(EACH INCLUDES)	
	6V-8367	1	LOCKWASHER	
	6V-8382	1	NUT-HEX (11/16-27 THD)	
	062-5388	3	LOCKNUT	
	4D-1326	2	LOCKWASHER	
	8C-7507	4	LOCKWASHER	
	3N-5611	2	MOUNT AS	
	7C-6121	2	MOUNT-FLEXIBLE	
	4B-2049	4	NUT (10-32 THD)	
	6V-8801	2	NUT (3/8-16 THD)	
Y	**147-6842**	1	PANEL AS	502
	7C-1009	2	PLATE AS-COVER	
	110-6845	1	PLUG AS-CONNECTOR (40 PIN)	
	1U-9053	1	CAPSULE-LUBRICANT	
	110-6844	1	SEAL	
	5P-4935	2	PLUG-BUTTON	
	7C-4471	1	POTENTIOMETER (23 WATT)	
	129-0308	1	POTENTIOMETER (2 WATT)	
	125-9969	1	RAIL	
Y	**128-3326**	1	RELAY GP-AUXILIARY	403
	2N-3479	4	SCREW (10-24X0.5 IN)	
	4P-2161	3	SCREW	
Y	**103-8975**	1	SEAL GP-ENCLOSURE	524
B	**6V-6640**		SEALANT	
Y	*111-7760*	1	SHUTOFF GP-ELECTRICAL	417
	141-2064	1	STRIP-MARKER	
	4D-1260	1	STRIP AS-TERMINAL	
	6V-8376	28	SCREW-MACHINE (8-32X0.25 IN)	
	7C-9179	1	STRIP-TERMINAL	
	3N-5979	1	SWITCH GP-ENGINE START (4 POSITION)	
	9X-8124	2	SWITCH AS-MAGNETIC (24 VOLT) (DUAL STARTING MOTORS)	
			(EACH INCLUDES)	
M	**8T-4134**	2	NUT (M6X1 THD)	
	8D-2676	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	
	3L-8187	2	LOCKWASHER	
	6T-3631	2	NUT-HEX (15/32-32 THD)	
	6T-3632	1	LOCKWASHER	
	6T-3633	1	RING-LOCKING	
	6V-8374	2	SCREW-MACHINE (6-32X0.25 IN)	
	4W-8102	3	TRANSFORMER (RATIO 150:5)	
	5N-5429	3	TRANSFORMER (RATIO 100:5)	
	5N-5431	3	TRANSFORMER (RATIO 300:5)	
	5N-5432	3	TRANSFORMER (RATIO 400:5)	
	5N-5433	3	TRANSFORMER (RATIO 600:5)	
	5N-5434	3	TRANSFORMER (RATIO 800:5)	
	6I-1952	3	TRANSFORMER (RATIO 600:5 TYPE ND)	
	7E-1112	3	TRANSFORMER (RATIO 800:5 TYPE ND)	
	7E-1113	3	TRANSFORMER (RATIO 1000:5 TYPE ND)	

151-5552 **PANEL GP-CONTROL** ***(contd.)*** **i01971493**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7E-1114	3	TRANSFORMER (RATIO 1200:5 TYPE ND)	
	7E-1116	3	TRANSFORMER (RATIO 2000:5)	
	7E-1117	3	TRANSFORMER (RATIO 2500:5)	
	7E-1118	3	TRANSFORMER (RATIO 3000:5)	
	7E-1119	3	TRANSFORMER (RATIO 4000:5)	
	7W-6598	3	TRANSFORMER (RATIO 3000:5)	
	7W-7805	3	TRANSFORMER (RATIO 4000:5)	
	7W-8835	3	TRANSFORMER (RATIO 2500:5)	
	7W-8837	3	TRANSFORMER (RATIO 1500:5)	
	7W-8838	3	TRANSFORMER (RATIO 1200:5)	
	7W-8839	3	TRANSFORMER (RATIO 1000:5)	
	5N-5430	3	TRANSFORMER-CURRENT (RATIO 200:5)	
	7W-8836	3	TRANSFORMER-CURRENT (RATIO 2000:5)	
	4B-4274	4	WASHER (5.5X13X1.2MM THK)	
	4P-2160	3	WASHER (RETAINING RING)	

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

<END>

151-5553 PANEL GP-CONTROL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
RETRO-FIT FOR UNIVERSAL APPLICATION, EMCPII+, ETS
PART OF 151-5551 PANEL AR-CONTROL
FOR USE WITH CUSTOMER SUPPLIED CURRENT TRANSFORMERS, STANDARD PANEL/DUSTPROFF, AUXILIARY RELAY, COOLANT LOSS SHUT-OFF

SMCS-4490, 7451 **i01971535**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5N-9117	3	ADAPTER	
	103-6197	1	BLOCK-TERMINAL	
	104-2994	1	BLOCK-TERMINAL	
	8T-2501	2	BOLT (3/8-16X2 IN)	
	1N-9770	1	CIRCUIT BREAKER AS (12.5 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	9H-1958	1	CIRCUIT BREAKER GP (20 AMP)	
	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	9B-7233	2	LOCKWASHER	
	4P-2162	3	CLIP	
	5N-9072	3	CLIP	
	5N-9067	3	COLLAR	
	6V-5817	2	CONDUIT-FLEXIBLE	
Y	**118-0175**	1	CONTROL GP-EMCP ELECTRONIC (AC TRANSFORMER BOX +)	462
Y	**118-2070**	1	CONTROL GP-EMCP ELECTRONIC	463
	2W-4899	1	DIODE AS	
	5N-4988	1	DIODE AS	
	9Y-8412	1	DIODE AS	
	103-1837	1	FILM-CONTROL PANEL (MANUAL STARTING AID)	
	130-9715	1	FILM-CONTROL PANEL	
	7C-4062	1	FILM-IDENTIFICATION (REVERSE POWER)	
	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)	
	9Y-9782	1	FILM-IDENTIFICATION (10A DC FUSE)	
	9Y-9783	1	FILM-IDENTIFICATION (2A DC FUSE)	
	106-9926	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)	
	7C-0974	1	FILM-WARNING (ELECTRICAL SHOCK)	
	3K-8782	16	FUSE (10 AMP)	

151-5553 **PANEL GP-CONTROL** ***(contd.)*** **i01971535**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7W-0482	3	FUSE (2 AMP)	
	8T-2882	1	HANDLE-PULL	
	5N-5159	2	JUMPER-STRIP	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG AS & WEDGE)	
	155-2274	1	KIT-CONNECTING PLUG (6-PIN) (CONTROL PANEL)	
			(INCLUDES PLUG AS & WEDGE)	
	102-8806	1	KIT-RECEPTACLE (8 PIN) (CONTROL PANEL)	
			(INCLUDES RECEPTACLE AS & WEDGE)	
	4W-5972	1	KNOB (VOLTAGE LEVEL)	
	7N-5876	2	LAMP (24 VOLT)	
	7G-9730	2	LAMP AS (120 VOLT/3 WATT)	
			(EACH INCLUDES)	
	6V-8367	1	LOCKWASHER	
	6V-8382	1	NUT-HEX (11/16-27 THD)	
	062-5388	3	LOCKNUT	
	4D-1326	2	LOCKWASHER	
	8C-7507	4	LOCKWASHER	
	3N-5611	2	MOUNT AS	
	7C-6121	2	MOUNT-FLEXIBLE	
	4B-2049	4	NUT (10-32 THD)	
	6V-8801	2	NUT (3/8-16 THD)	
Y	**147-6842**	1	PANEL AS	502
	7C-1009	2	PLATE AS-COVER	
	110-6845	1	PLUG AS-CONNECTOR (40 PIN)	
	1U-9053	1	CAPSULE-LUBRICANT	
	110-6844	1	SEAL	
	5P-4935	2	PLUG-BUTTON	
	7C-4471	1	POTENTIOMETER (23 WATT)	
	129-0308	1	POTENTIOMETER (2 WATT)	
	125-9969	1	RAIL	
Y	**128-3326**	1	RELAY GP-AUXILIARY	403
	2N-3479	4	SCREW (10-24X0.5 IN)	
	4P-2161	3	SCREW	
Y	**103-8975**	1	SEAL GP-ENCLOSURE	524
B	**6V-6640**		SEALANT	
Y	*111-7761*	1	SHUTOFF GP-ELECTRICAL	417
	141-2064	1	STRIP-MARKER	
	4D-1260	1	STRIP AS-TERMINAL	
	6V-8376	28	SCREW-MACHINE (8-32X0.25 IN)	
	7C-9179	1	STRIP-TERMINAL	
	3N-5979	1	SWITCH GP-ENGINE START (4 POSITION)	
	9X-8124	2	SWITCH AS-MAGNETIC (24 VOLT) (DUAL STARTING MOTORS)	
			(EACH INCLUDES)	
M	**8T-4134**	2	NUT (M6X1 THD)	
	8D-2676	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	
	3L-8187	2	LOCKWASHER	
	6T-3631	2	NUT-HEX (15/32-32 THD)	
	6T-3632	1	LOCKWASHER	
	6T-3633	1	RING-LOCKING	
	6V-8374	2	SCREW-MACHINE (6-32X0.25 IN)	
	4W-8102	3	TRANSFORMER (RATIO 150:5)	
	5N-5429	3	TRANSFORMER (RATIO 100:5)	
	5N-5431	3	TRANSFORMER (RATIO 300:5)	
	5N-5432	3	TRANSFORMER (RATIO 400:5)	
	5N-5433	3	TRANSFORMER (RATIO 600:5)	
	5N-5434	3	TRANSFORMER (RATIO 800:5)	
	6I-1952	3	TRANSFORMER (RATIO 600:5 TYPE ND)	
	7E-1112	3	TRANSFORMER (RATIO 800:5 TYPE ND)	

151-5553 **PANEL GP-CONTROL** ***(contd.)*** **i01971535**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7E-1113	3	TRANSFORMER (RATIO 1000:5 TYPE ND)	
	7E-1114	3	TRANSFORMER (RATIO 1200:5 TYPE ND)	
	7E-1116	3	TRANSFORMER (RATIO 2000:5)	
	7E-1117	3	TRANSFORMER (RATIO 2500:5)	
	7E-1118	3	TRANSFORMER (RATIO 3000:5)	
	7E-1119	3	TRANSFORMER (RATIO 4000:5)	
	7W-6598	3	TRANSFORMER (RATIO 3000:5)	
	7W-7805	3	TRANSFORMER (RATIO 4000:5)	
	7W-8835	3	TRANSFORMER (RATIO 2500:5)	
	7W-8837	3	TRANSFORMER (RATIO 1500:5)	
	7W-8838	3	TRANSFORMER (RATIO 1200:5)	
	7W-8839	3	TRANSFORMER (RATIO 1000:5)	
	5N-5430	3	TRANSFORMER-CURRENT (RATIO 200:5)	
	7W-8836	3	TRANSFORMER-CURRENT (RATIO 2000:5)	
	4B-4274	4	WASHER (5.5X13X1.2MM THK)	
	4P-2160	3	WASHER (RETAINING RING)	

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

<END>

121-4712 PANEL GP-ELECTRONIC

S/N: KPS1-UP
PANEL LIGHTS & AUXILIARY RELAY
AN ATTACHMENT

SMCS-4490, 7490 **i01666307**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7N-5876	3	LAMP (24 VOLT) (CLEAR)	
	7G-9730	2	LAMP AS (3 WATT) (CLEAR)	
Y	**128-3326**	1	RELAY GP-AUXILIARY	403
	8D-2676	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHTS)	

Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

219-3214 PANEL GP-ELECTRONIC

S/N: KPS1-UP
EMCPII
AN ATTACHMENT

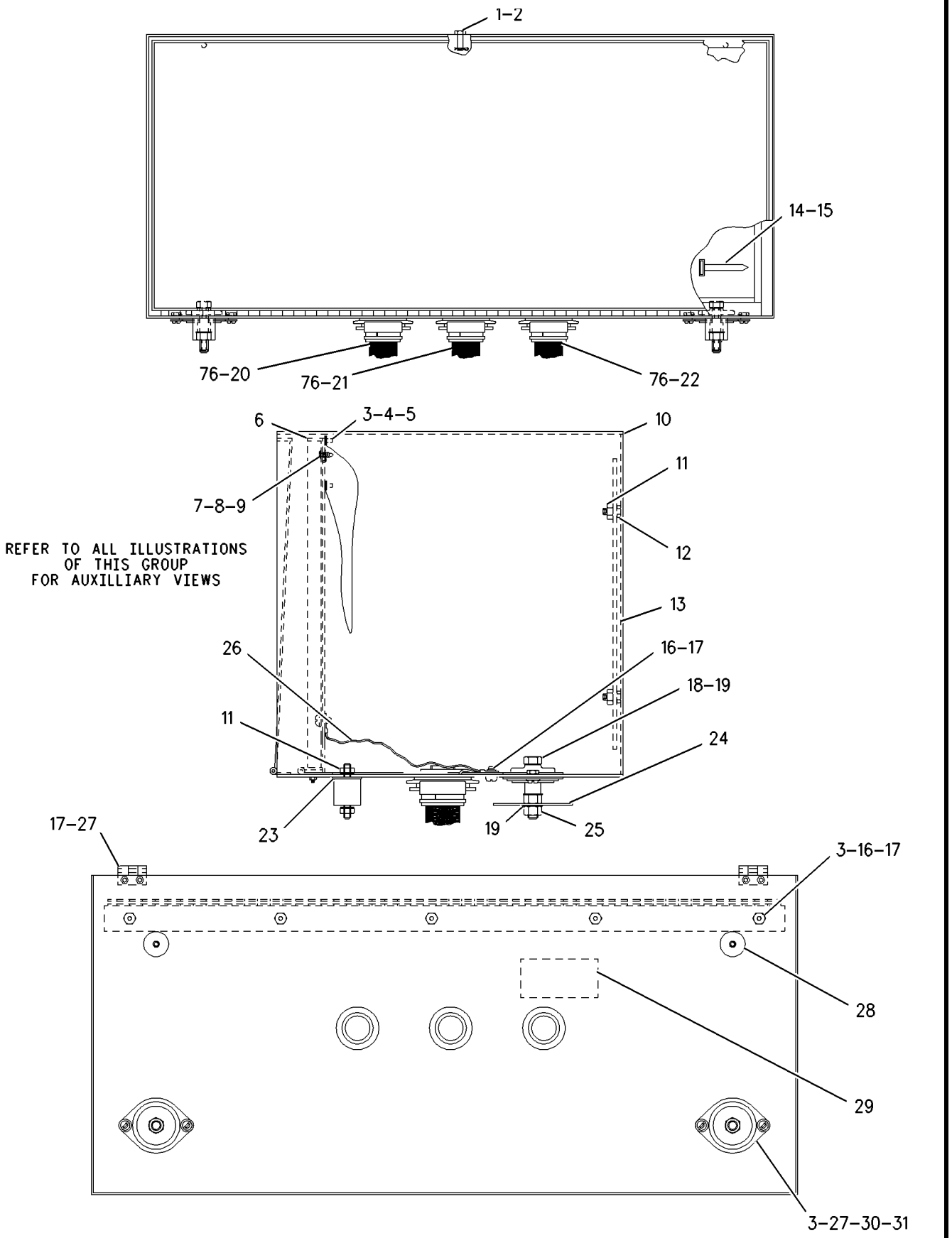
SMCS-4490, 7490 **i01971608**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-0372**	1	LOCK PIN	
	2	1	**1B-0676**	1	PIN	
	3	1,3	**4B-4274**	17	WASHER (5.5X13X1.2MM THK)	
	4	1	**4B-2049**	2	NUT (10-32 THD)	
	5	1	**126-7491**	2	STRAP	
	6	1	**104-7287**	1	PANEL AS	
		1	**233-7441**	6	MOUNT	
	7	1	**4P-2162**	3	CLIP	
	8	1	**4P-2160**	3	WASHER (RETAINING RING)	
	9	1	**4P-2161**	3	SCREW	
	10	1	**158-6174**	1	BOX AS	
	11	1,3	**173-7181**	22	NUT (1/4-20 THD)	
	12	1	**6V-8185**	4	NUT (1/4-20 THD)	
	13	1	**101-9798**	1	PANEL AS	
	14	1	**8L-8413**	25	STRAP-CABLE	
	15	1	**3S-2093**	8	STRAP-CABLE	
	16	1	**2N-3479**	6	SCREW (10-24X0.5 IN)	
	17	1	**9F-8125**	11	LOCKWASHER (5.18X10.31X.02 IN)	
	18	1	**8T-9377**	2	BOLT (3/8-16X2.25 IN)	
	19	1	**8T-4226**	4	WASHER-PLATED (10.5X45X3MM THK)	
	20	1	**219-3218**	1	HARNESS AS-ENGINE (ELECTRONIC PANEL)	
		1	**155-2260**	4	KIT-CONNECTING PLUG (3-PIN) (ELEK PANEL ENGINE HARNESS)	
					(EACH INCLUDES PLUG AS & WEDGE)	
		1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN) (ELEK PANEL ENGINE HARNESS)	
					(INCLUDES PLUG AS & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8 PIN) (ELEK PANEL ENGINE HARNESS)	
					(INCLUDES RECEPTACLE AS $ WEDGE)	
		1	**110-6845**	1	PLUG AS-CONNECTOR (40 PIN)	
	21	1	**219-3216**	1	HARNESS AS (DC)(ELECTRONIC PANEL)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN) (ELECTRONIC PANEL DC HARNESS)	
					(INCLUDES PLUG AS & WEDGE)	
	22	1	**219-3219**	1	HARNESS AS (ELECTRONIC PANEL AS HARNESS)	
	23	1	**6V-7646**	2	WASHER-HARD (7.2X25X2MM THK)	
	24	1	**5S-3552**	2	PLATE	
	25	1	**3K-6060**	2	LOCKNUT (3/8-16 THD)	
	26	1	**126-7488**	1	STRAP-GROUNDING	
	27	1	**2N-3478**	8	SCREW-MACHINE (10-24X.375IN)	
	28	1	**7C-6121**	2	MOUNT-FLEXIBLE	
	29	1	**200-2722**	1	FILM GP (CONTROL PANEL IDENT)	
	30	1	**8C-7507**	4	LOCKWASHER	
	31	1	**3N-5611**	2	MOUNT AS	
	32	2	**7C-0974**	1	FILM-WARNING (ELECTRICAL SHOCK)	
	33	3	**186-3165**	2	CLAMP-CABLE	
	34	3	**8C-8514**	2	SCREW-MACHINE (8-32X.375 IN)	
	35	2	**8T-2882**	1	HANDLE-PULL	
	36	2	**7C-5075**	2	STRIP-DUST SEAL	
	37	2	**7C-5076**	2	STRIP-DUST SEAL	
	38	2	**124-3176**	1	COVER	
	39	2	**103-1838**	1	FILM-CONTROL PANEL (AUTO STARTING AID)	
	40	3	**157-2792**	1	STRIP	
	41	3	**2D-6235**	2	LOCKNUT (1/4-20 THD)	
	42	3	**4B-5324**	2	WASHER (3.9X9.6X1.2MM THK)	

219-3214 **PANEL GP-ELECTRONIC** *(contd.)* **i01971608**

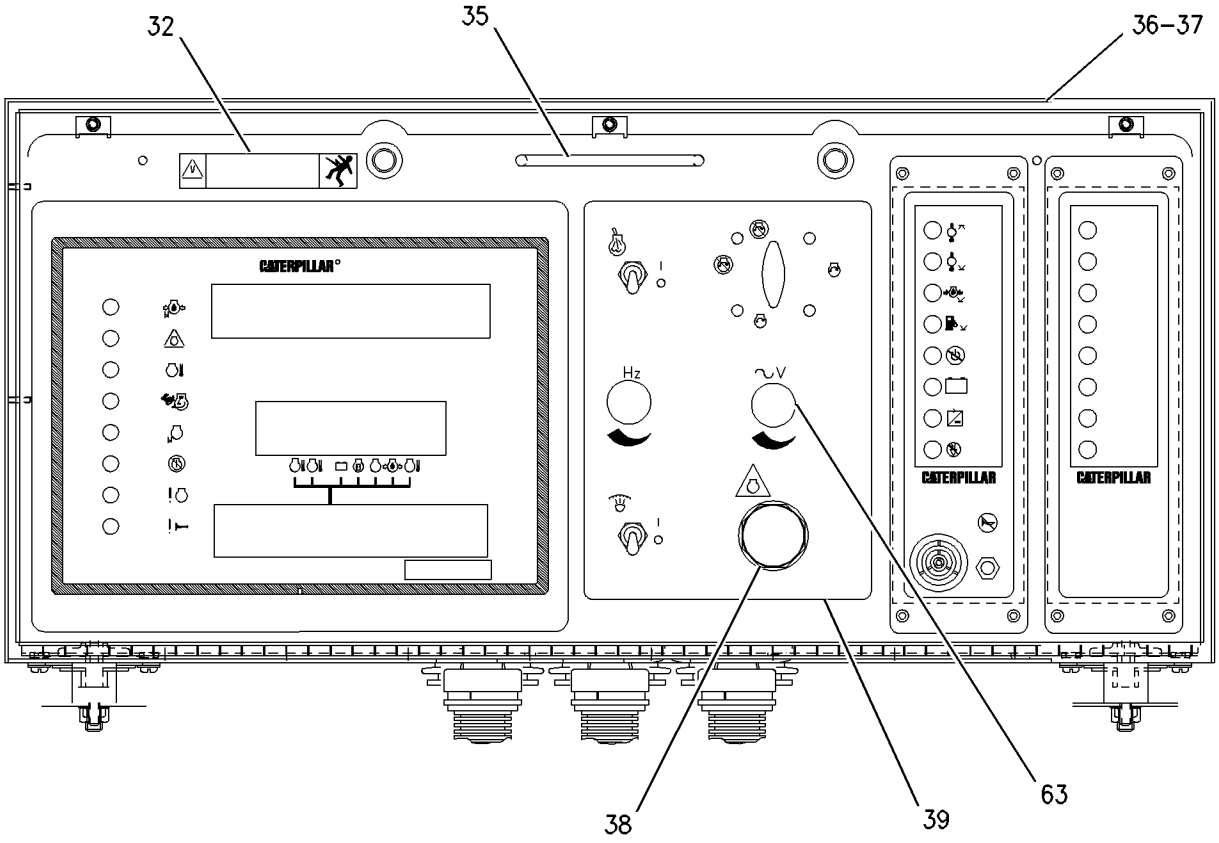
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	43	3	**9Y-9783**	1	FILM-IDENTIFICATION (2A DC FUSE)	
	44	3	**7W-0482**	3	FUSE (2 AMP)	
Y	45	3	**101-0225**	1	CONTROL GP-EMCP ELECTRONIC	460
H	46	3	**217-7165**		DUCT-WIRE (225MM)	
	47	3	**1N-9770**	1	CIRCUIT BREAKER AS (12.5 AMP)	
		3	**6V-8376**	2	SCREW-MACHINE (8-32X0.25 IN)	
		3	**9B-7233**	2	LOCKWASHER	
	48	3	**030-8838**	2	SCREW (6-32X1.0 IN)	
	49	3	**2N-3480**	2	SCREW-MACHINE (10-24X0.75 IN)	
	50	3	*204-9553*	1	BAR GP-GROUND	
		3	**4B-2049**	4	NUT (10-32 THD)	
		3	**8F-1434**	4	LOCKWASHER	
		3	**103-6197**	1	BLOCK-TERMINAL	
		3	**204-9552**	1	BAR-GROUND	
	51	3	**2N-3476**	2	SCREW-MACHINE (6-32X0.75 IN)	
	52	3	**106-9926**	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)	
	53	3	**228-4181**	1	TERMINAL	
	54	3	**212-0922**	1	SWITCH AS-MAGNETIC (STARTING MOTOR)	
		3	**115-1185**	2	RING-TERMINAL	
Y	55	3	*133-6351*	1	CONTROL GP-EMCP ELECTRONIC	466
	56	3	**3K-8782**	20	FUSE (10 AMP)	
	57	3	**9Y-9782**	1	FILM-IDENTIFICATION (10A DC FUSE)	
	59	3	**5P-0537**	2	WASHER-HARD (7.2X14.5X2MM THK)	
	60	3	**111-1324**	1	BLOCK-CONTACT (1 POLE)	
	61	3	**111-1325**	1	BLOCK-CONTACT (2 POLE)	
	62	3	**195-2637**	2	SCREW (8-32 X 1/2IN)	
	63	2	**4W-5972**	1	KNOB	
	64	3	**127-9070**	1	POTENTIOMETER (2 WATT)	
	65	3	**7C-1009**	2	PLATE AS-COVER	
Y	66	3	**3N-5979**	1	SWITCH GP-ENGINE START (4 POSITION)	441
	67	3	**4B-2047**	4	NUT (10-24 THD)	
	68	3	**186-3166**	60	TUBE-HEAT SHRINK	
	69	3	**219-3215**	1	HARNESS AS (GOVERNOR)	
	70	3	**219-3217**	1	HARNESS AS-PANEL (ELECTRONIC)	
	71	3	**097-5921**	1	RAIL-MOUNTING	
Y	72	3	**158-6181**	1	RELAY GP	402
	73	3	**8D-2676**	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHT)	
		3	**3L-8187**	2	LOCKWASHER	
		3	**6T-3631**	2	NUT-HEX (15/32-32 THD)	
		3	**6T-3632**	1	LOCKWASHER	
		3	**6T-3633**	1	RING-LOCKING	
		3	**6V-8374**	2	SCREW-MACHINE (6-32X0.25 IN)	
	74	3	**7G-9730**	2	LAMP AS (120 VOLT/3 WATT) (PANEL LIGHT) (EACH INCLUDES)	
		3	**6V-8367**	1	LOCKWASHER	
		3	**6V-8382**	1	NUT-HEX (11/16-27 THD)	
	75	3	**7N-5876**	2	LAMP (24 VOLT)	
	76	1	**7C-2675**	3	SEAL-BELLOWS	
	77	3	**109-6507**	1	SWITCH AS-PUSH BUTTON (SECONDARY STOP)	
	78	3	**7N-9017**	1	TERMINAL	
	79	3	**0S-1615**	2	BOLT (1/4-20X0.75 IN)	

H-ORDER BY MILLIMETER
Y-SEPARATE ILLUSTRATION

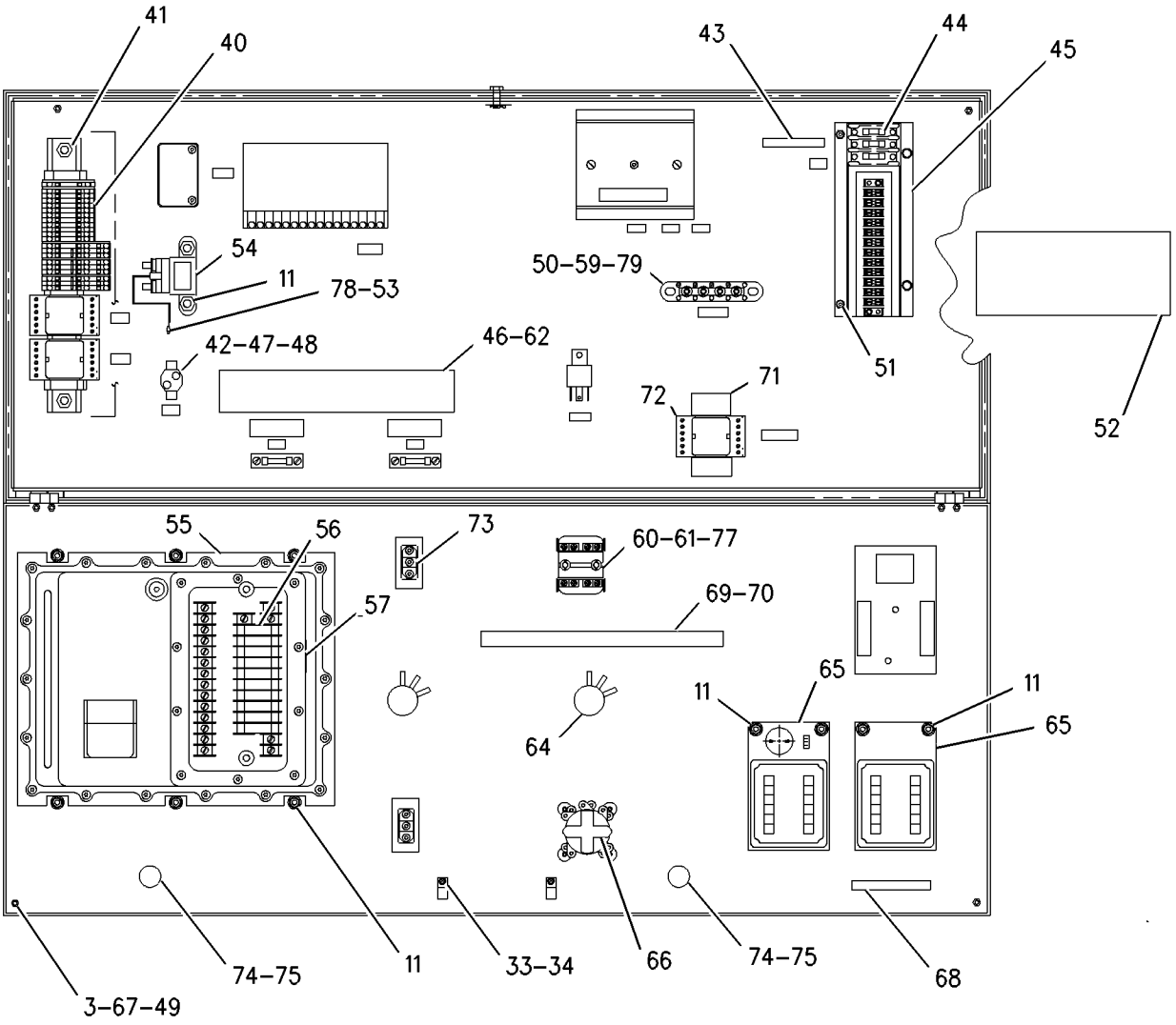


GRAPHIC #1

g00996468



GRAPHIC #2 g00996486



GRAPHIC #3 **<END>** g00996523

OPERATOR STATION

220-7916 PANEL GP-ELECTRONIC

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
3 POLE DOUBLE THROW 6-10 AMPERE RELAY. TWO PANEL LIGHTS AND AUXILIARY RELAY
FOR USE WITH EMCPII CONTROL PANEL
AN ATTACHMENT

SMCS-4490, 7490 **i01821220**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7N-5876	3	LAMP (24 VOLT) (CLEAR)	
	7G-9730	2	LAMP AS (3 WATT) (CLEAR)	
	223-7267	1	RELAY AS	
	179-9956		DIODE (SURGE SUPPRESSOR)	
	211-0640	1	SPRING (RELAY)	
	223-6470	1	RELAY (CONTROL)	
	223-6471	1	BASE-RELAY	
	8D-2676	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL LIGHTS)	
	6T-3631	2	NUT-HEX (15/32-32 THD)	
	6V-8374	2	SCREW-MACHINE (6-32X0.25 IN)	
	3L-8187	2	LOCKWASHER (3.70X7.24X.48MM THK)	
	6T-3632	1	LOCKWASHER (11.96X15.08X053MM THK)	
	6T-3633	1	RING-LOCKING	

<END>

OPERATOR STATION

4W-6049 PANEL GP-INSTRUMENT

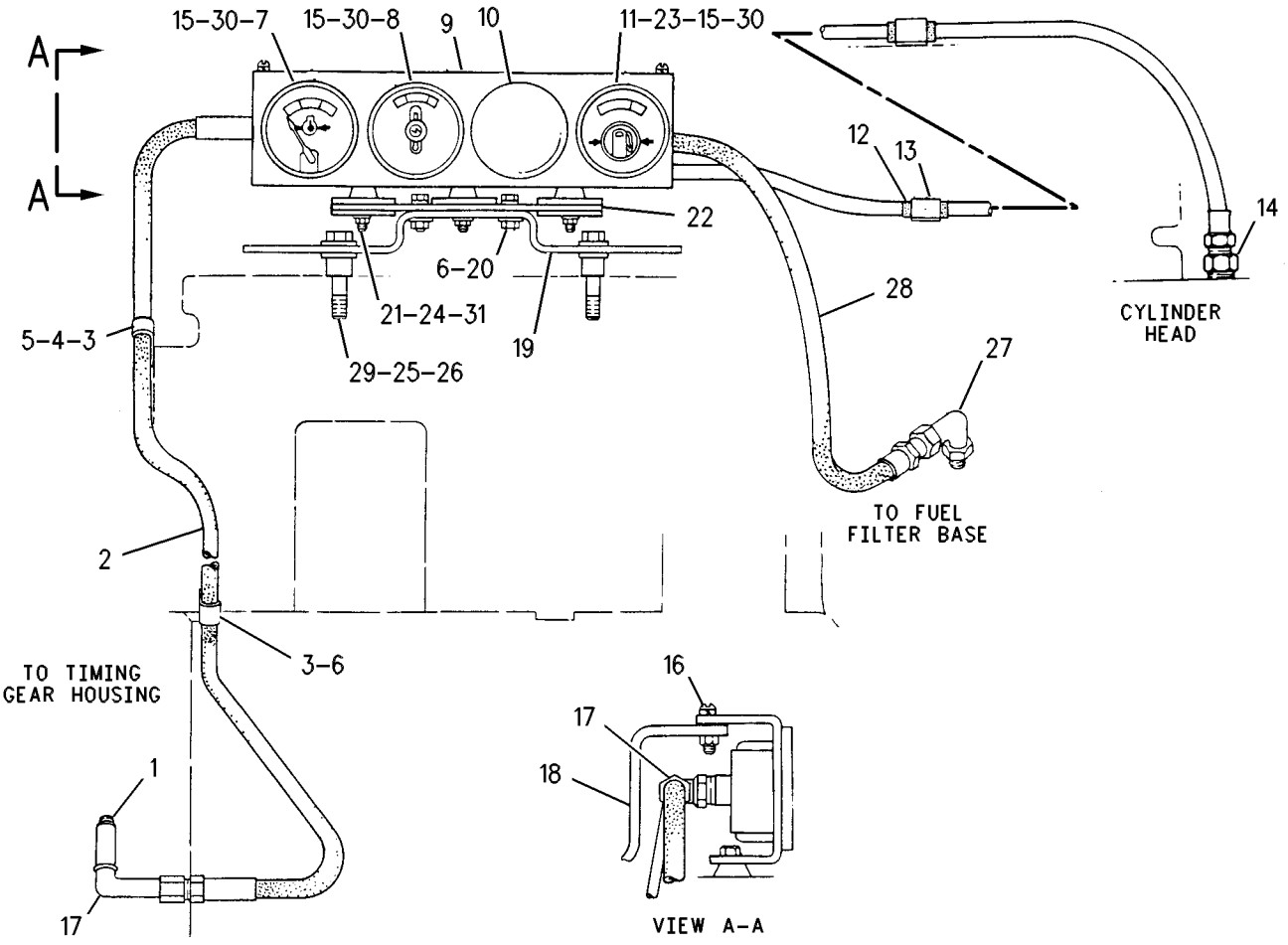
S/N: KPS1-UP
FOR USE WITH AFTERCOOLED ENGINE AR.
AN ATTACHMENT

SMCS-7451 **i01369459**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3B-7263**	1	NIPPLE-PIPE	
I	2	1	**3P-6048**	1	HOSE AS	
	3	1	**6D-3479**	2	CLIP	
	4	1	**2B-2694**	1	BOLT (5/16-18X2IN)	
	5	1	**5P-4116**	1	WASHER (8.8X20.5X2MM THK)	
	6	1	**8T-4896**	5	WASHER-HARD (10.2X18.5X2.5MM THK)	
	7	1	**2W-3681**	1	INDICATOR AS (ENGINE OIL PRESSURE)	
	8	1	**1W-5928**	1	INDICATOR (WATER TEMPERATURE)	
	9	1	**2N-0816**	1	PANEL-INSTRUMENT	
B	10	1	**1L-6561**	1	PLUG	
	11	1	**2W-3687**	1	INDICATOR-FUEL PRESSURE	
	12	1	**8F-0244**	2	GROMMET	
	13	1	**3L-2875**	2	CLIP (6.35MM ID)	
	14	1	**1S-0666**	1	ADAPTER	
	15	1	**2N-0794**	3	RETAINER	
	16	1	**5S-7348**	2	SCREW-MACHINE (6-32X.375 IN)	
		1	**4B-2041**	2	NUT (6-32 THD)	
		1	**9B-1117**	2	LOCKWASHER (#6)	
	17	1	**3S-1099**	2	ELBOW-FLARED (90 DEGREE)	
	18	1	**2N-0821**	1	COVER-PANEL	
	19	1	**2N-4604**	1	BRACKET	
	20	1	**4L-6454**	2	BOLT (3/8-16X1 IN)	
		1	**6V-8801**	2	NUT (3/8-16 THD)	
	21	1	**6D-2928**	3	BOLT (1/4-20X1.125 IN)	
	22	1	**2N-5848**	1	BASE AS	
	23	1	**3B-6769**	1	ELBOW	
	24	1	**8T-4205**	6	WASHER-HARD (7.2X14.5X2MM THK)	
	25	1	**2S-2301**	2	SPACER	
	26	1	**7X-0613**	4	WASHER-HARD (5MM THK)	
	27	1	**030-7946**	1	ELBOW	
		1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	
I	28	1	**3N-4411**	1	HOSE AS	
	29	1	**4M-6424**	2	BOLT (5/16-18X3IN)	
	30	1	**6V-3507**	3	SEAL-RECTANGULAR (49.5MM ID)	
	31	1	**6V-8185**	3	NUT (1/4-20 THD)	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE

4W-6049 PANEL GP-INSTRUMENT *(contd.)* i01369459



GRAPHIC #1 **<END>** g00645373

OPERATOR STATION

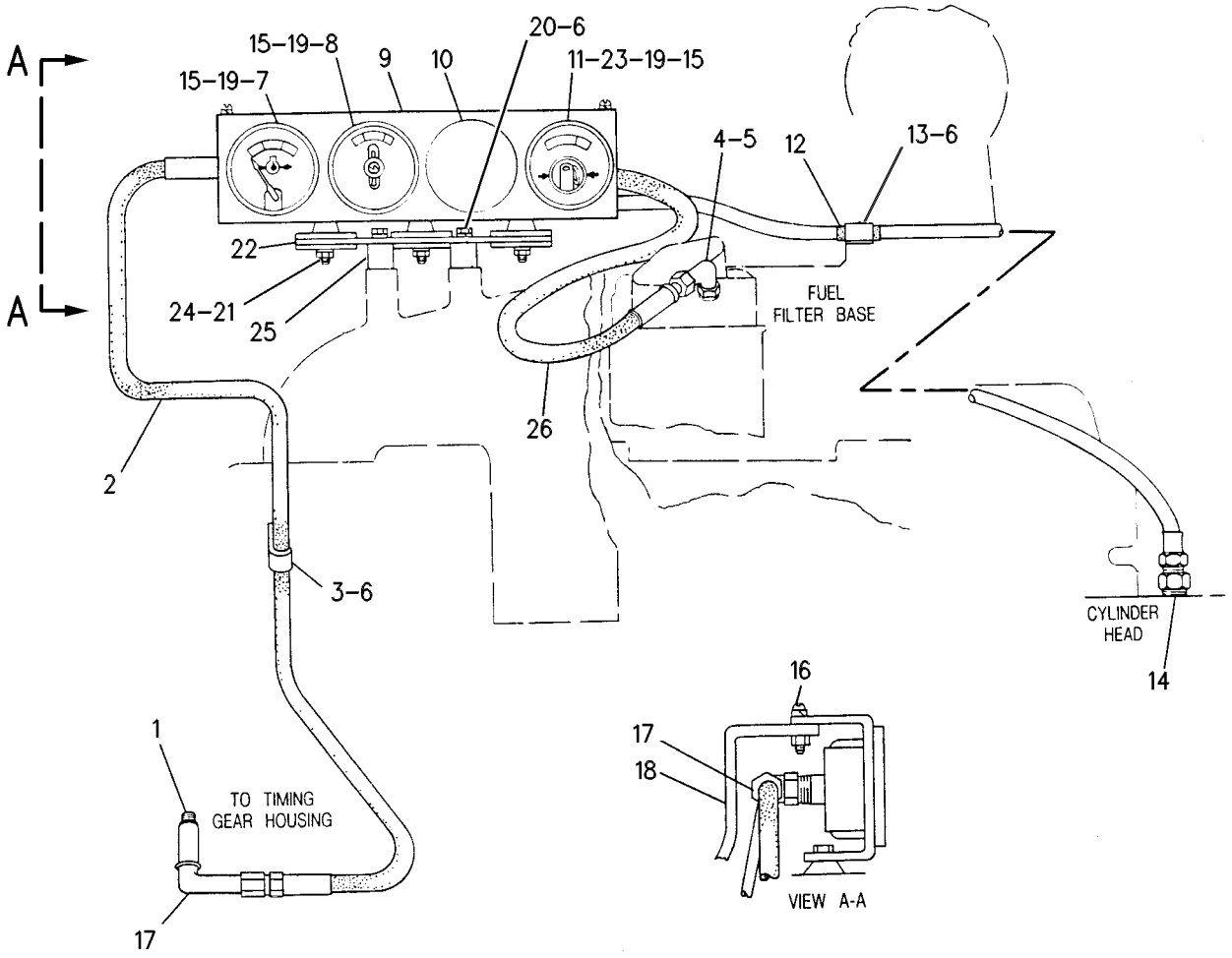
4W-6050 PANEL GP-INSTRUMENT

S/N: KPS1-UP
FOR USE WITH NON AFTERCOOLED ENGINE AR.
AN ATTACHMENT

SMCS-7451 **i01724111**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3B-7263**	1	NIPPLE-PIPE	
I	2	1	**3P-6048**	1	HOSE AS	
	3	1	**124-0174**	1	CLIP	
	4	1	**030-7946**	1	ELBOW	
	5	1	**3J-7354**	1	SEAL-O-RING	
	6	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	7	1	**2W-3681**	1	INDICATOR AS (ENGINE OIL PRESSURE)	
	8	1	**1W-5928**	1	INDICATOR (WATER TEMPERATURE)	
	9	1	**2N-0816**	1	PANEL-INSTRUMENT	
B	10	1	**1L-6561**	1	PLUG	
	11	1	**2W-3687**	1	INDICATOR-FUEL PRESSURE	
	12	1	**8F-0244**	1	GROMMET	
	13	1	**3L-2875**	1	CLIP	
	14	1	**1S-0666**	1	ADAPTER	
	15	1	**2N-0794**	3	RETAINER	
	16	1	**5S-7348**	2	SCREW-MACHINE (6-32X.375 IN)	
		1	**4B-2041**	2	NUT (6-32 THD)	
		1	**4B-5324**	4	WASHER (3.9X9.6X1.2MM THK)	
	17	1	**3S-1099**	2	ELBOW-FLARED	
	18	1	**2N-0821**	1	COVER-PANEL	
	19	1	**6V-3507**	3	SEAL-RECTANGULAR	
	20	1	**4L-9337**	2	BOLT (3/8-16X1.5 IN)	
	21	1	**6D-2928**	3	BOLT (1/4-20X1.125 IN)	
		1	**6V-8185**	3	NUT (1/4-20 THD)	
	22	1	**2N-5848**	1	BASE AS	
	23	1	**3B-6769**	1	ELBOW	
	24	1	**8T-4205**	6	WASHER-HARD (7.2X14.5X2MM THK)	
	25	1	**2B-0941**	2	SPACER (10.5X19X19MM THK)	
I	26	1	**3N-4411**	1	HOSE AS	

B-USE AS REQUIRED
I-SEE HOSE FABRICATION GUIDE



GRAPHIC #1 **<END>** g00239219

OPERATOR STATION

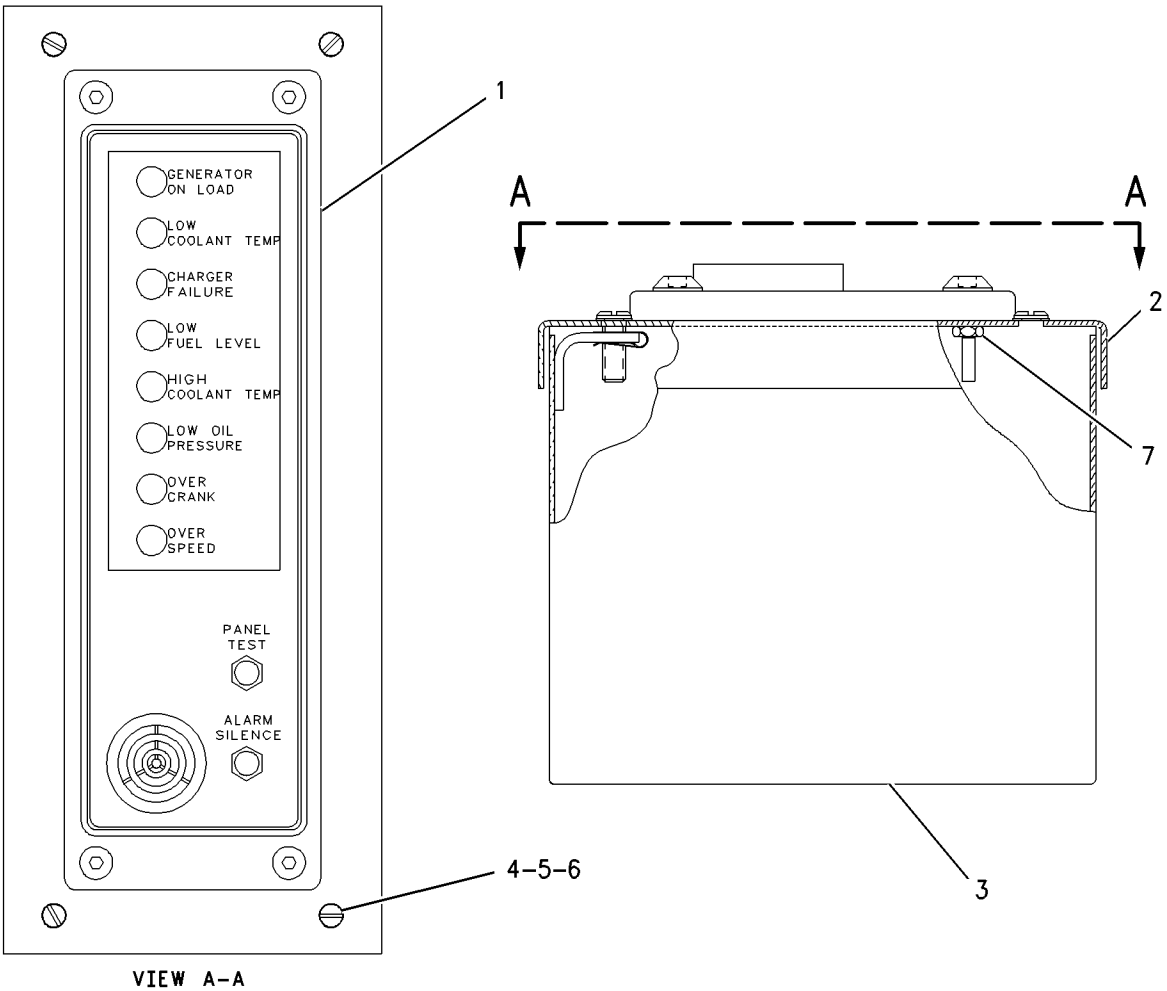
7C-5296 PANEL GP-INSTRUMENT

S/N: KPS1-UP
REMOTE, NATIONAL FIRE PROTECTION ASSOCIATION 99
FOR USE WITH EMCP CONTROL PANEL
AN ATTACHMENT

SMCS-7451 **i01969758**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**9W-3577**	1	CONTROL GP-ALARM MODULE	451
	2	1	**9W-3274**	1	COVER	
	3	1	**9W-3277**	1	BOX AS	
	4	1	**4P-2161**	4	SCREW	
	5	1	**4P-2162**	4	CLIP	
	6	1	**4P-2160**	4	WASHER (RETAINING RING)	
	7	1	**211-0089**	4	NUT (1/2-13X31.75MM)	

Y-SEPARATE ILLUSTRATION



VIEW A–A

GRAPHIC #1 **<END>** g00813863

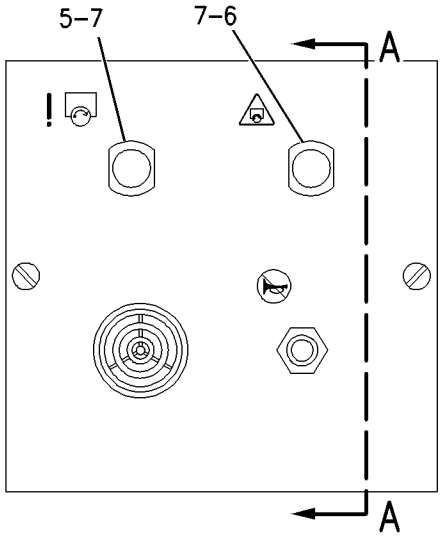
OPERATOR STATION

7E-8270 PANEL GP-INSTRUMENT

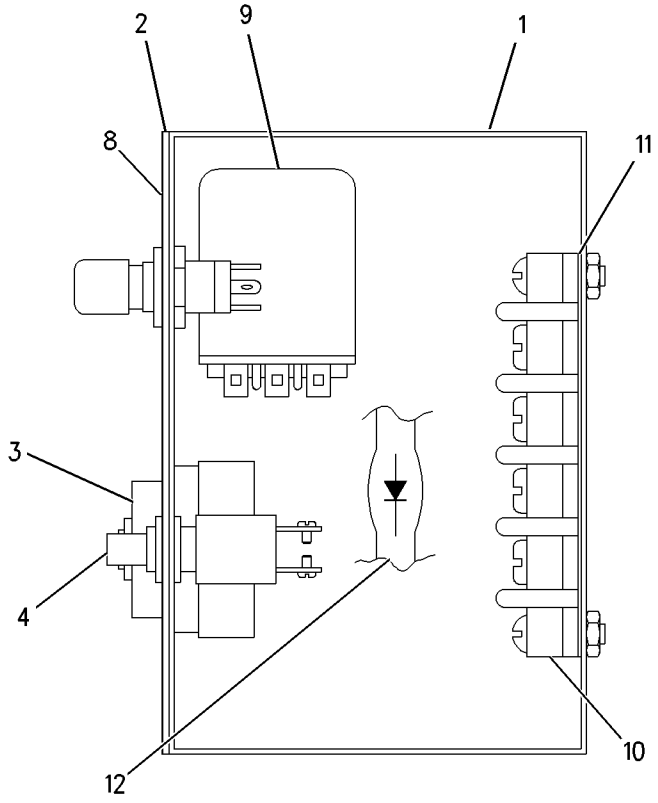
S/N: KPS1-UP
REMOTE NFPA-110
FOR USE WITH EMCP CONTROL PANEL
AN ATTACHMENT

SMCS-7451 **i01844365**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-3521**	1	JUNCTION BOX	
	2	1	**7E-8255**	1	COVER-JUNCTION BOX	
	3	1	**3N-5762**	1	HORN	
	4	1	**3N-5716**	1	SWITCH (ALARM SILENCE)	
	5	1	**5N-5499**	1	LAMP AS (RED)	
	6	1	**5N-5501**	1	LAMP AS (GREEN)	
	7	1	**3N-5719**	2	LAMP (CLEAR)	
	8	1	**118-1265**	1	FILM-PANEL (INSTRUMENT)	
	9	1	**3N-5714**	1	RELAY AS (24 VOLT) (ALARM DISCONNECT)	
	10	1	**4D-6066**	1	STRIP-TERMINAL	
	11	1	**7C-4925**	1	STRIP-MARKER	
	12	1	**2W-4899**	1	DIODE AS	



FRONT VIEW



SECTION A–A

GRAPHIC #1 **<END>** g00770438

OPERATOR STATION

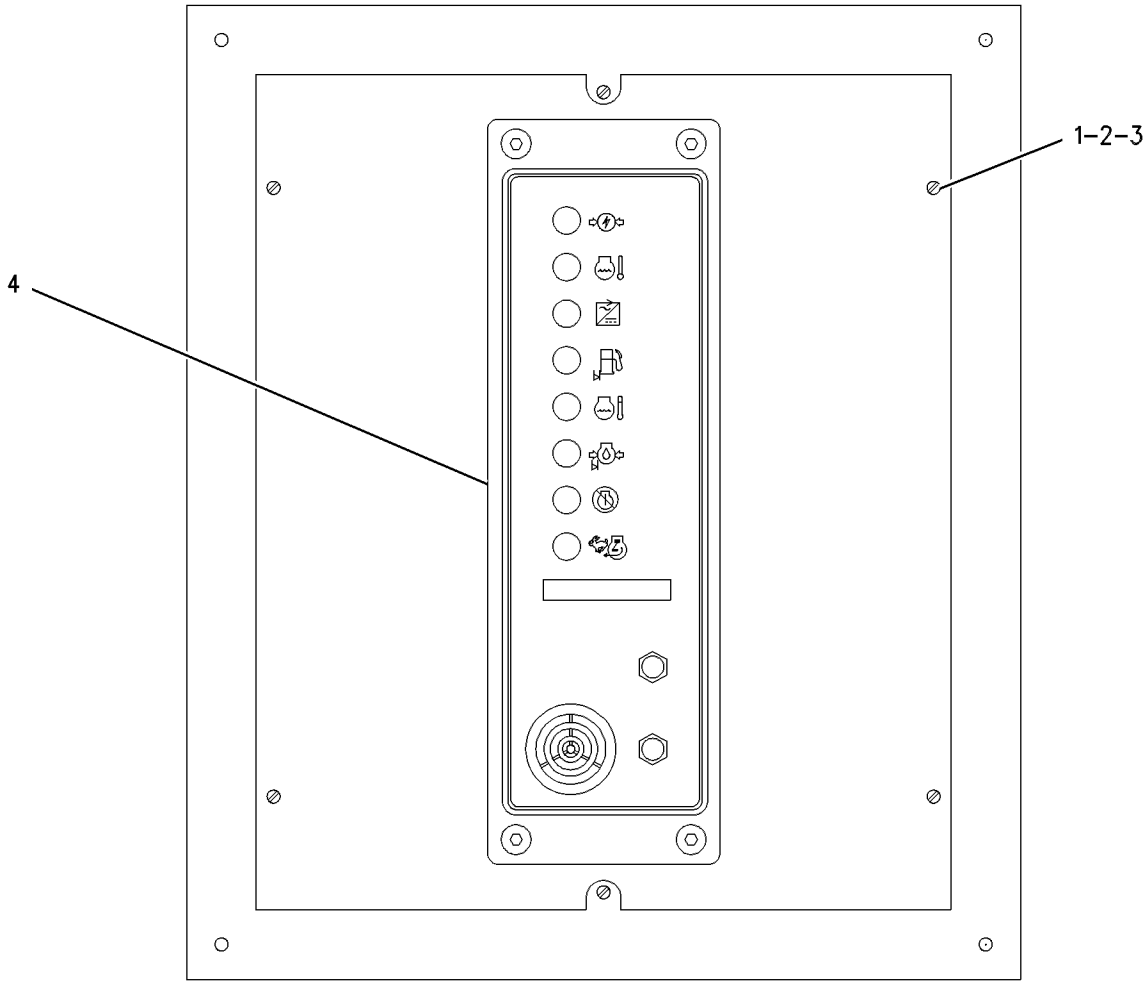
131-1960 PANEL GP-INSTRUMENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
8 LIGHT REMOTE ANNUNCIATOR
AN ATTACHMENT

SMCS-7451 **i01969769**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-2160**	6	WASHER (RETAINING RING)	
	2	1	**4P-2161**	6	SCREW	
	3	1	**4P-2162**	6	CLIP	
Y	4	1	*130-3325*	1	CONTROL GP-ALARM MODULE	455

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00579972

OPERATOR STATION

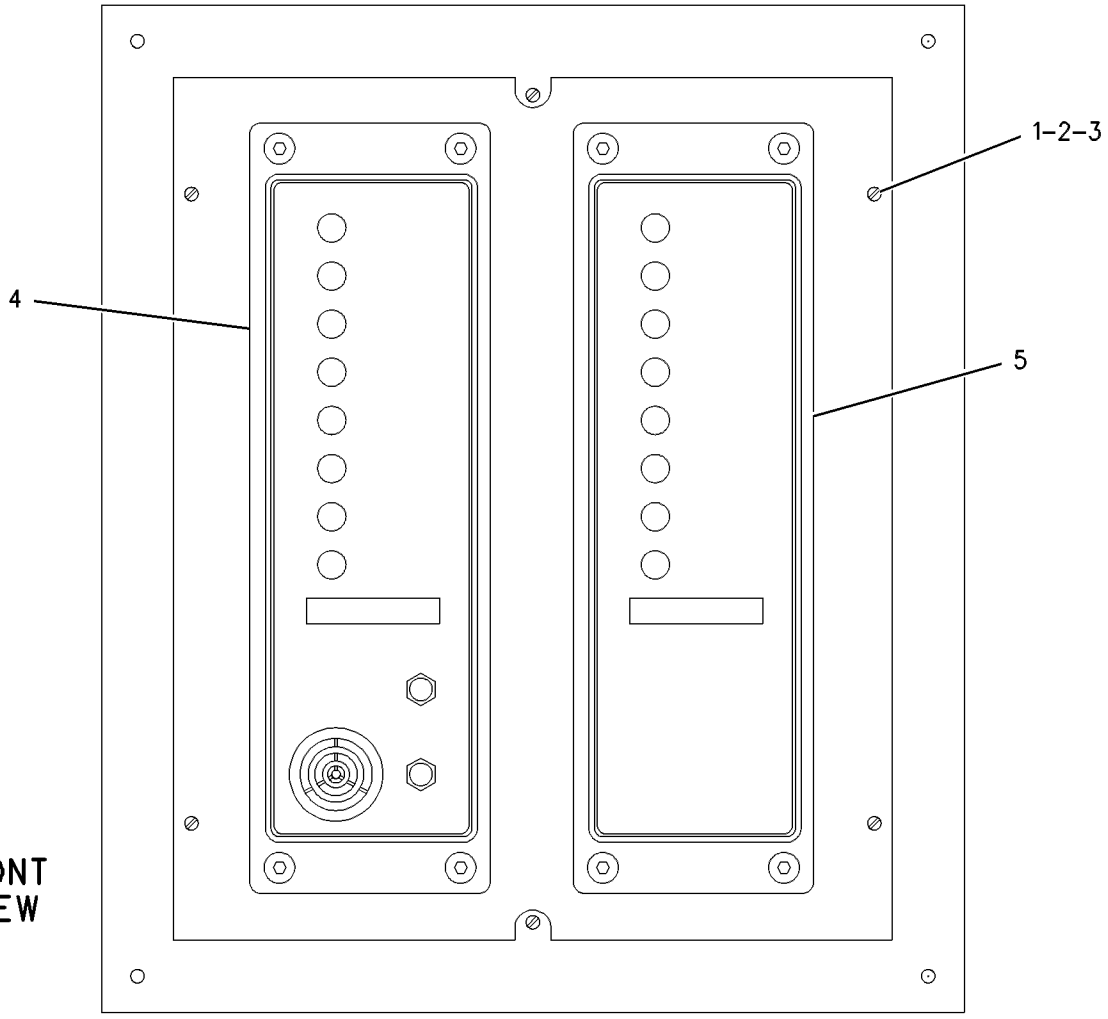
131-1961 PANEL GP-INSTRUMENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
16 LIGHT REMOTE ANNUNCIATOR
AN ATTACHMENT

SMCS-7451 **i01969781**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-2160**	6	WASHER (RETAINING RING)	
	2	1	**4P-2161**	6	SCREW	
	3	1	**4P-2162**	6	CLIP	
Y	4	1	*130-3325*	1	CONTROL GP-ALARM MODULE	455
Y	5	1	*130-3333*	1	CONTROL GP-ALARM MODULE	457

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00580015

OPERATOR STATION

131-1962 PANEL GP-INSTRUMENT

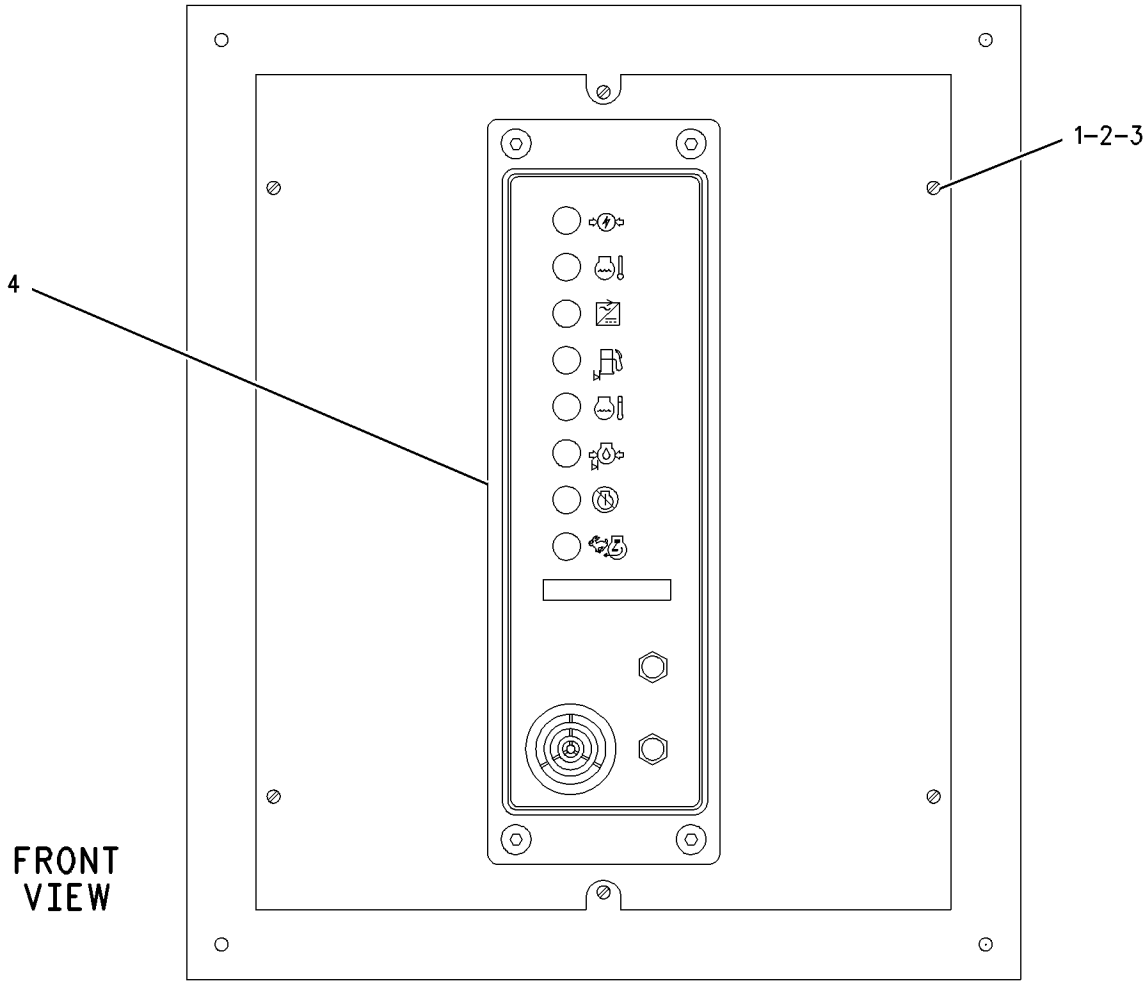
S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

PROVIDES AN 8 LIGHT NFPA 99 REMOTE ANNUNCIATOR WITH A FLUSH MOUNT PLATE AN ATTACHMENT

SMCS-7451 **i01850700**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-2160**	6	WASHER	
	2	1	**4P-2161**	6	SCREW	
	3	1	**4P-2162**	6	CLIP	
Y	4	1	**9W-3577**	1	CONTROL GP-ALARM MODULE	451

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00942709

OPERATOR STATION

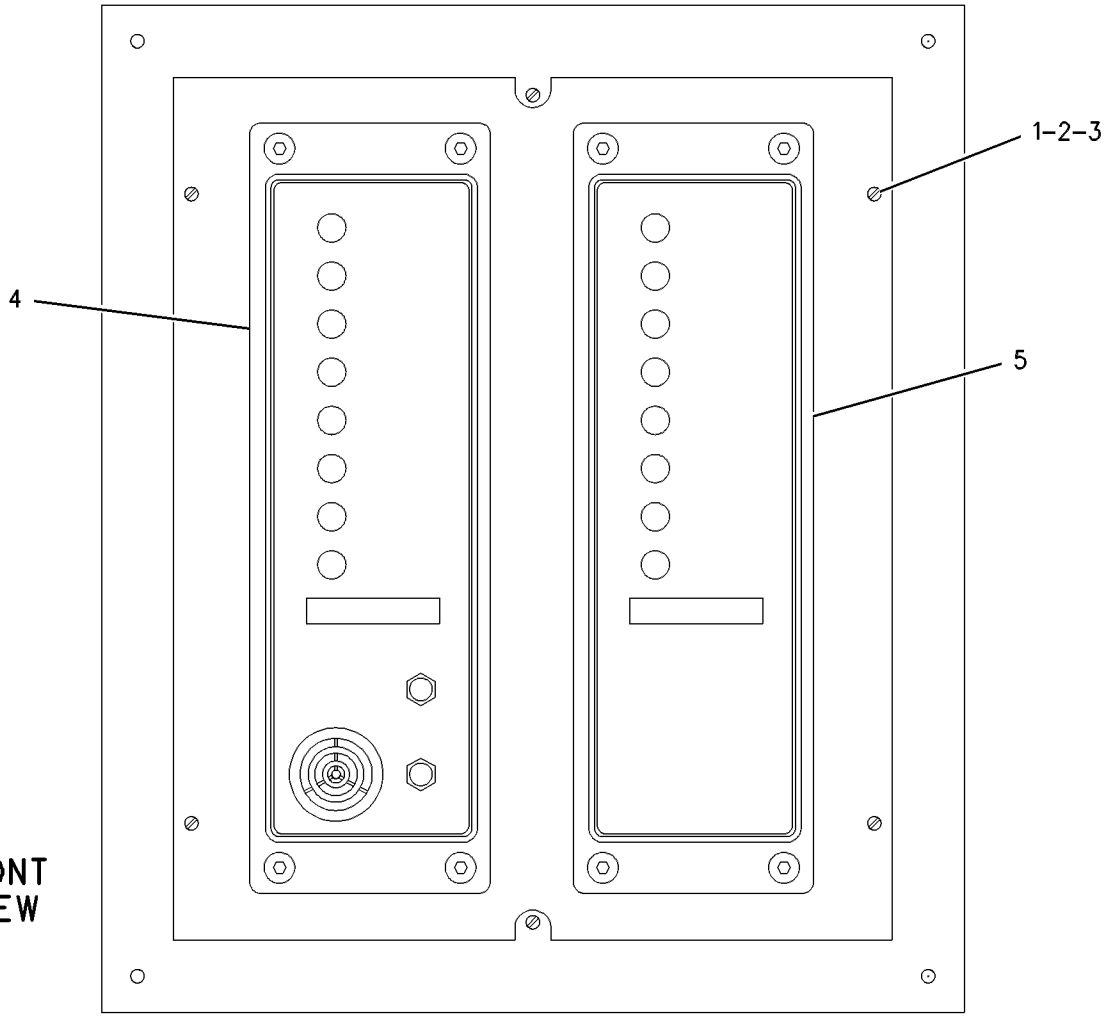
131-1963 PANEL GP-INSTRUMENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PROVIDES A 16 LIGHT NFPA 99 REMOTE ANNUNCIATOR
AN ATTACHMENT

SMCS-7451 **i01969774**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-2160**	6	WASHER (RETAINING RING)	
	2	1	**4P-2161**	6	SCREW	
	3	1	**4P-2162**	6	CLIP	
Y	4	1	**9W-3577**	1	CONTROL GP-ALARM MODULE	451
Y	5	1	*130-3333*	1	CONTROL GP-ALARM MODULE	457

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00580015

OPERATOR STATION

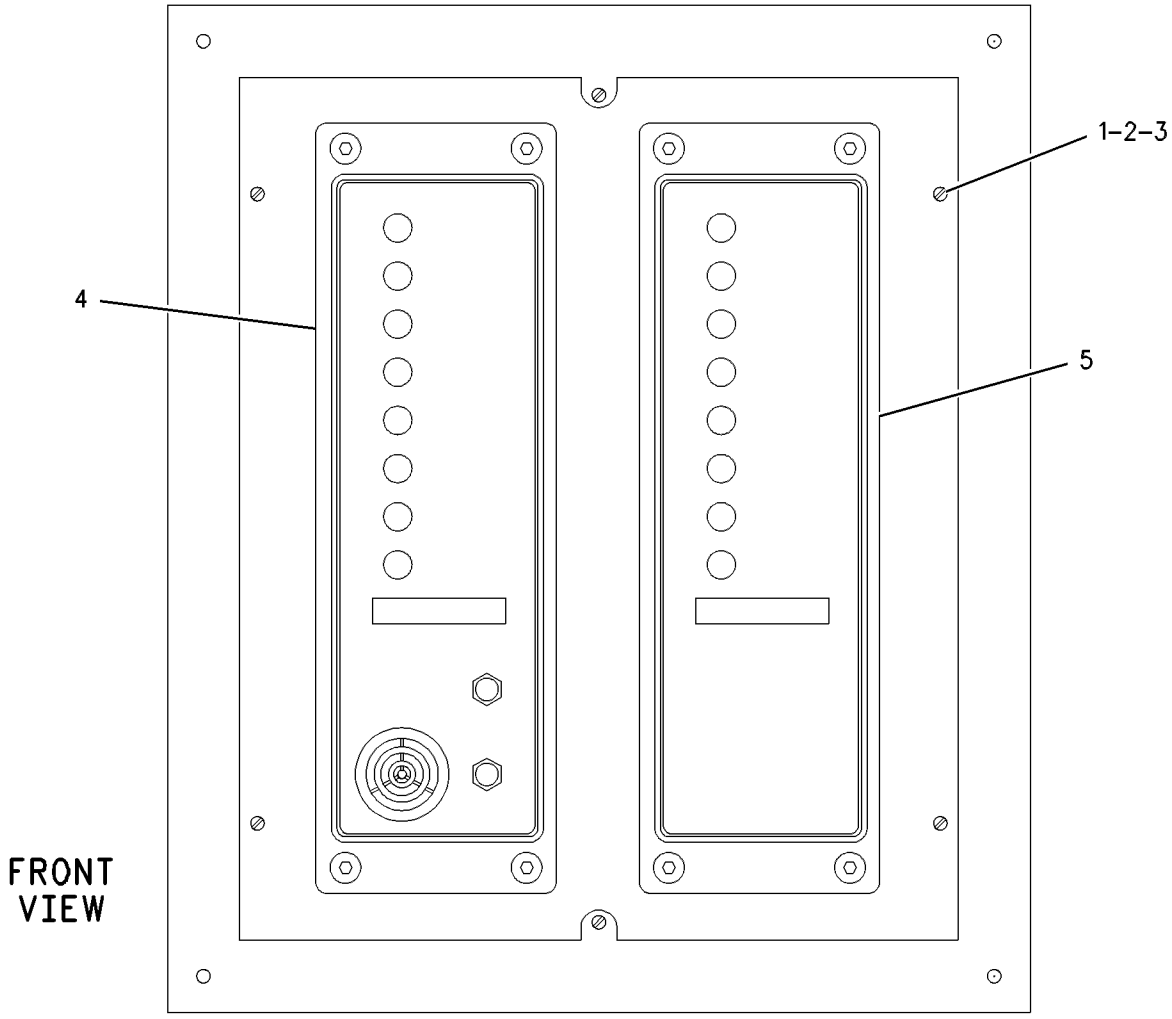
131-1965 PANEL GP-INSTRUMENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PROVIDES A 16 LIGHT, NFPA 110 REMOTE ANNUNICATOR
AN ATTACHMENT

SMCS-7451 **i01837744**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-2160**	6	WASHER	
	2	1	**4P-2161**	6	SCREW	
	3	1	**4P-2162**	6	CLIP	
Y	4	1	*130-3333*	1	CONTROL GP-ALARM MODULE	457
Y	5	1	*130-3350*	1	CONTROL GP-ALARM MODULE	459

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00580015

OPERATOR STATION

103-8975 SEAL GP-ENCLOSURE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CONTROL PANEL EMCPII
PART OF 145-9410, 145-9411, 151-5552, 151-5553 PANEL GP-CONTROL

SMCS-7451 **i01422868**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7C-2954	2	GASKET-MODULE	
	103-6272	1	SEAL-CONTROL	
	7C-4550	2	SEAL-SHAFT	
	7C-4910	1	SEAL-WASHER (6.4MM ID)	
	7C-5075	2	STRIP-DUST SEAL	
	7C-5076	2	STRIP-DUST SEAL	
	5L-5180	3	WASHER (SEALING)	
	5L-5840	2	WASHER (SEALING)	

<END>

121-4705 SEAL GP-ENCLOSURE

S/N: KPS1-UP
FOR USE WITH EMCP II OR EMCP II+ CONTROL PANEL. CANNOT BE USED WITH ANALOG CONTROL PANELS OR SWITCHGEAR CONVERSION PANELS
AN ATTACHMENT

SMCS-7451 **i01448120**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7C-2954	2	GASKET-MODULE	
	103-6272	1	SEAL-CONTROL	
	7C-4550	2	SEAL-SHAFT	
	7C-4910	1	SEAL-WASHER (6.4MM ID)	
	5L-5840	2	WASHER (SEALING) (21/32X3/64 IN)	
	5L-5180	3	WASHER (SEALING) (7/8X3/64 IN)	

<END>

220-7913 SEAL GP-ENCLOSURE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH CATERPILLAR CONTROLS
AN ATTACHMENT

SMCS-7451 **i01703547**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7C-2954	2	GASKET-MODULE (ALARM/SYNC)	
	7C-4910	1	SEAL (WASHER)	
	103-6272	1	SEAL-CONTROL	
	7C-4550	2	SEAL-SHAFT	
	5L-5180	3	WASHER (SEALING)	
	5L-5840	2	WASHER (SEALING)	

<END>

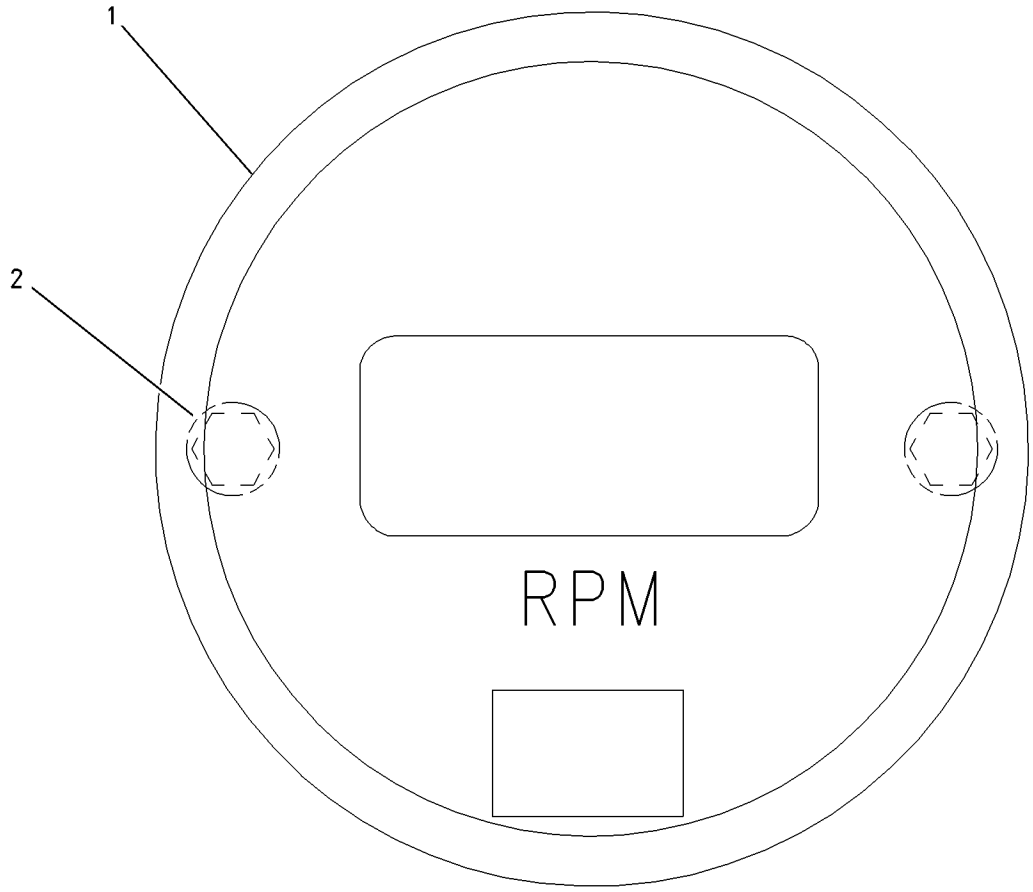
OPERATOR STATION

7C-1072 TACHOMETER GP-ELECTRIC

S/N: KPS1-UP
FOR USE WITH NO. 1 SAE FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-7462 **i01932699**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**197-7348**	1	TACHOMETER GP	
	2	1	**6V-8377**	2	NUT (8-32 THD)	
		1	**9B-7233**	2	LOCKWASHER (4.37X8.39X.52MM THK)	



GRAPHIC #1 **<END>** g00780579

MARINE TRANSMISSION

111-7534 MOUNTING GP-ACTUATOR

S/N: KPS1-UP

FOR USE WITH 111-4421—PAGE 207, 131-5455—PAGE 211

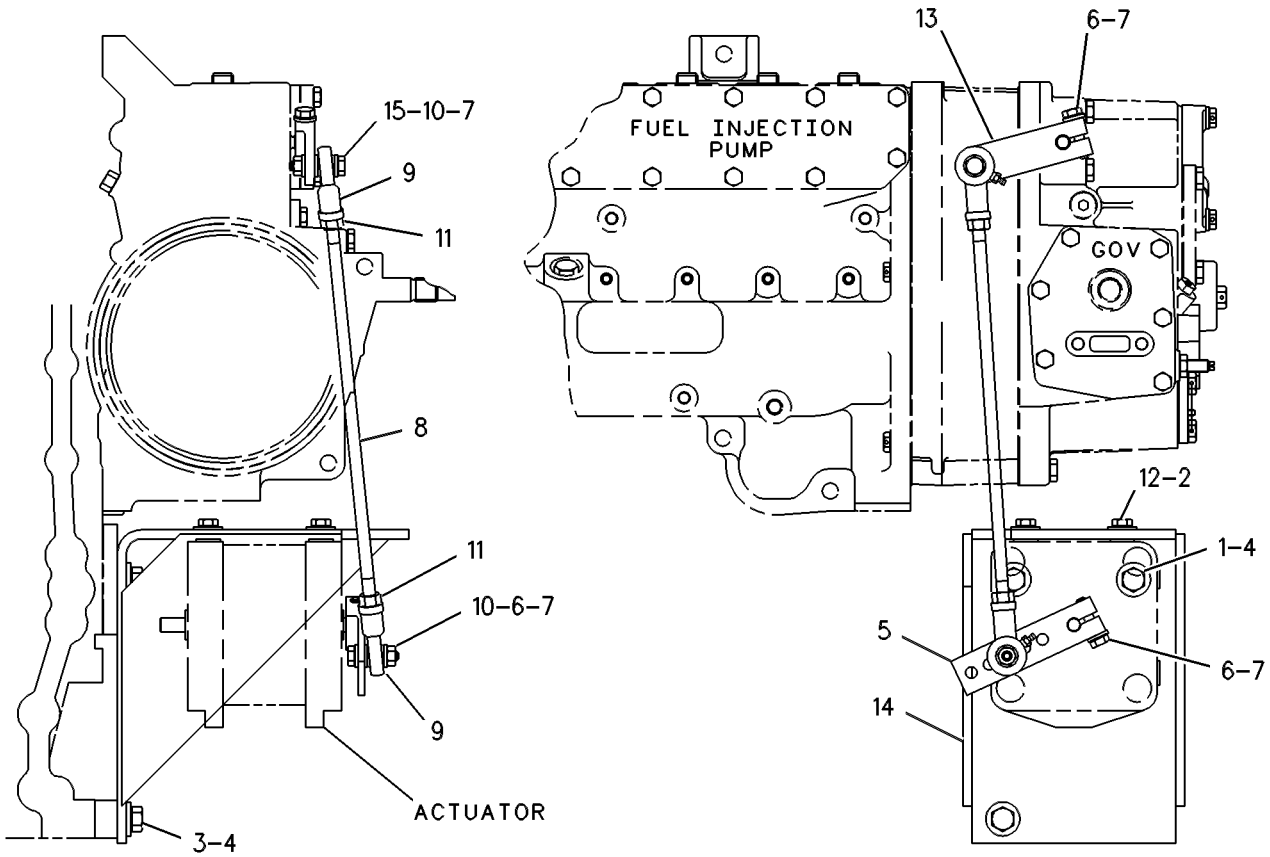
AN ATTACHMENT

SMCS-3308 **i01370650**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
	2	1	**5P-4115**	4	WASHER-HARD (7.2X19X2MM THK)	
	3	1	**4L-9337**	1	BOLT (3/8-16X1.5 IN)	
	4	1	**5P-1075**	3	WASHER-HARD (10.2X22.5X3MM THK)	
	5	1	**7C-9189**	1	LEVER-GOVERNOR CONTROL	
	6	1	**6D-2928**	3	BOLT (1/4-20X1.125 IN)	
	7	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2MM THK)	
	8	1	**113-1703**	1	ROD	
	9	1	**7L-4186**	2	ROD END	
	10	1	**6V-8185**	2	NUT (1/4-20 THD)	
	11	1	**6V-8186**	2	NUT-FULL (5/16-24 THD)	
	12	1	**4M-5281**	4	BOLT (1/4-20X.750 IN)	
	13	1	**1N-9954**	1	LEVER	
	14	1	**9Y-4397**	1	BRACKET AS	
		1	**9G-8140**	1	SPACER (15MM LG X 25MM DIA)	
	15	1	**7X-2501**	1	BOLT (1/4-20X1.25 IN)	
AB		1	**9S-3263**		COMPOUND-THREAD LOCK	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED

111-7534 **MOUNTING GP-ACTUATOR** ***(contd.)*** **i01370650**



FRONT VIEW LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00261896

128-8556 ADAPTER GP-BASE END CHANNELS

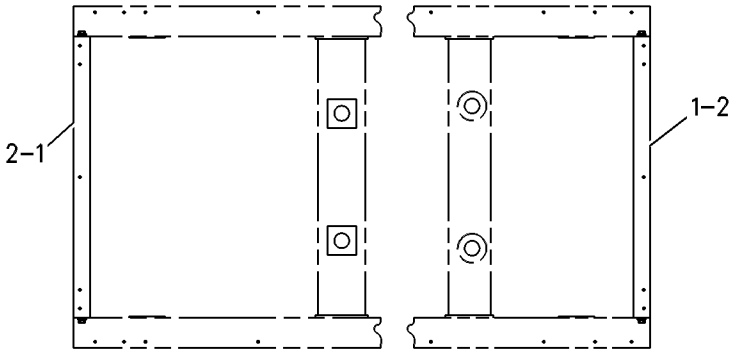
S/N: KPS1-UP

FOR USE WITH 128-5881—PAGE 531. CANNOT BE USED WITH WIDE SKIDDABLE BASE OR INTEGRAL FUEL TANK BASE

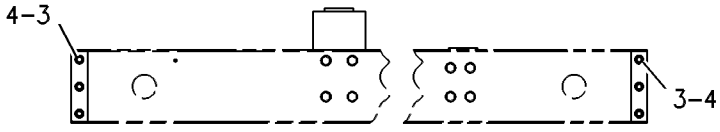
AN ATTACHMENT

SMCS-7060 **i00709496**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**128-5880**	2	PLATE AS	
					(EACH INCLUDES)	
	2	1	**3J-5169**	6	NUT (5/8-11 THD)	
	3	1	**8T-9393**	12	BOLT (5/8-11X1.50IN)	
	4	1	**7X-0515**	12	WASHER (5MM THK)	



TOP VIEW



RIGHT SIDE VIEW

GRAPHIC #1

<END>

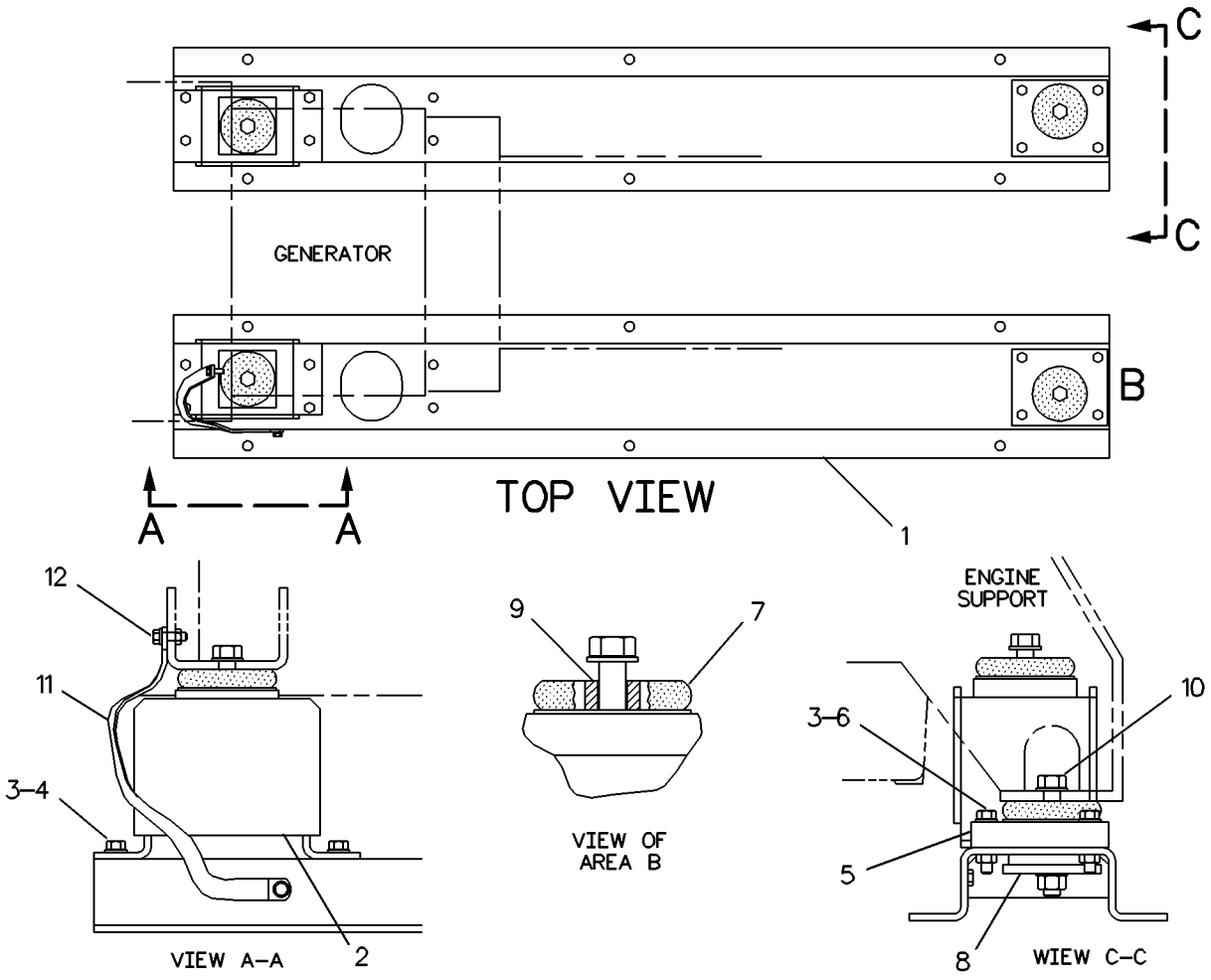
g00256755

4P-1976 BASE GP-ENGINE & GENERATOR

S/N: KPS1-UP
FOR USE WITH 4W-1880—PAGE 68
AN ATTACHMENT

SMCS-7060 **i01946353**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-1979**	2	BASE AS	
	2	1	**4P-1974**	2	BRACKET AS	
	3	1	**8T-4223**	16	WASHER-HARD (13.5X25.5X3MM THK)	
	4	1	**5P-2566**	8	BOLT (1/2-13X1.5 IN)	
	5	1	**4P-1973**	2	PLATE	
	6	1	**7X-0325**	8	BOLT (1/2-13X2.5 IN)	
	7	1	**9W-9930**	4	MOUNT AS	
	8	1	**9W-6584**	4	WASHER (20.5X114X10MM THK)	
	9	1	**9W-6582**	4	SLEEVE	
	10	1	**7X-0375**	4	BOLT (3/4-10X5 IN)	
		1	**6V-8182**	4	NUT (3/4-10 THD)	
		1	**8T-4994**	8	WASHER-HARD (20X36.5X3.5MM THK)	
	11	1	**034-3665**	1	STRAP-GROUNDING	
	12	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
		1	**8T-4896**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	



GRAPHIC #1 **<END>** g00214021

107-6332 BASE GP-ENGINE & GENERATOR

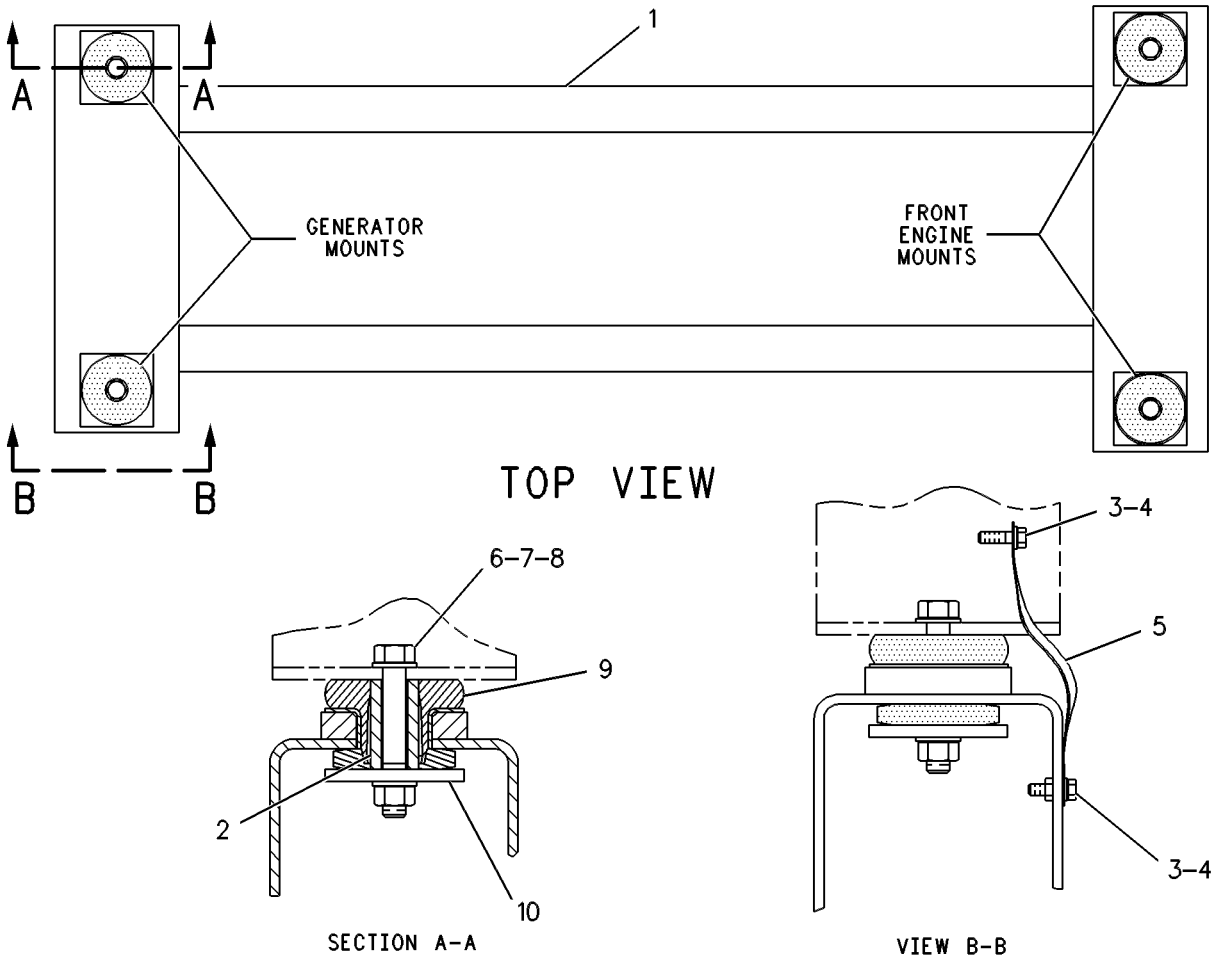
S/N: KPS1-UP

FOR USE WITH FRONT ENGINE SUPPORT & GENERATOR. CANNOT BE USED WITH MOUNTED BATTERY RACKS, MOUNTED ENCLOSURES, OIL & COOLANT DRAINS, SINGLE POINT LIFT, FUEL TANK BASES & WIDE BASES

AN ATTACHMENT

SMCS-7060 **i01423437**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**107-4438**	1	BASE AS	
		1	**1F-0750**	1	NUT-WELD (3/8-16 THD)	
	2	1	**9W-6582**	4	SLEEVE	
	3	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
	4	1	**8T-4896**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	5	1	**034-3665**	1	STRAP-GROUNDING	
	6	1	**7X-0375**	4	BOLT (3/4-10X5 IN)	
	7	1	**8T-4994**	8	WASHER-HARD (20X36.5X5MM THK)	
	8	1	**6V-8182**	4	NUT (3/4-10 THD)	
	9	1	**9W-9930**	4	MOUNT AS	
	10	1	**9W-6584**	4	WASHER (20.5X114X10MM THK)	



GRAPHIC #1 **<END>** g00249490

ENCLOSURES, GUARDS AND BASES

128-5881 BASE GP-ENGINE & GENERATOR

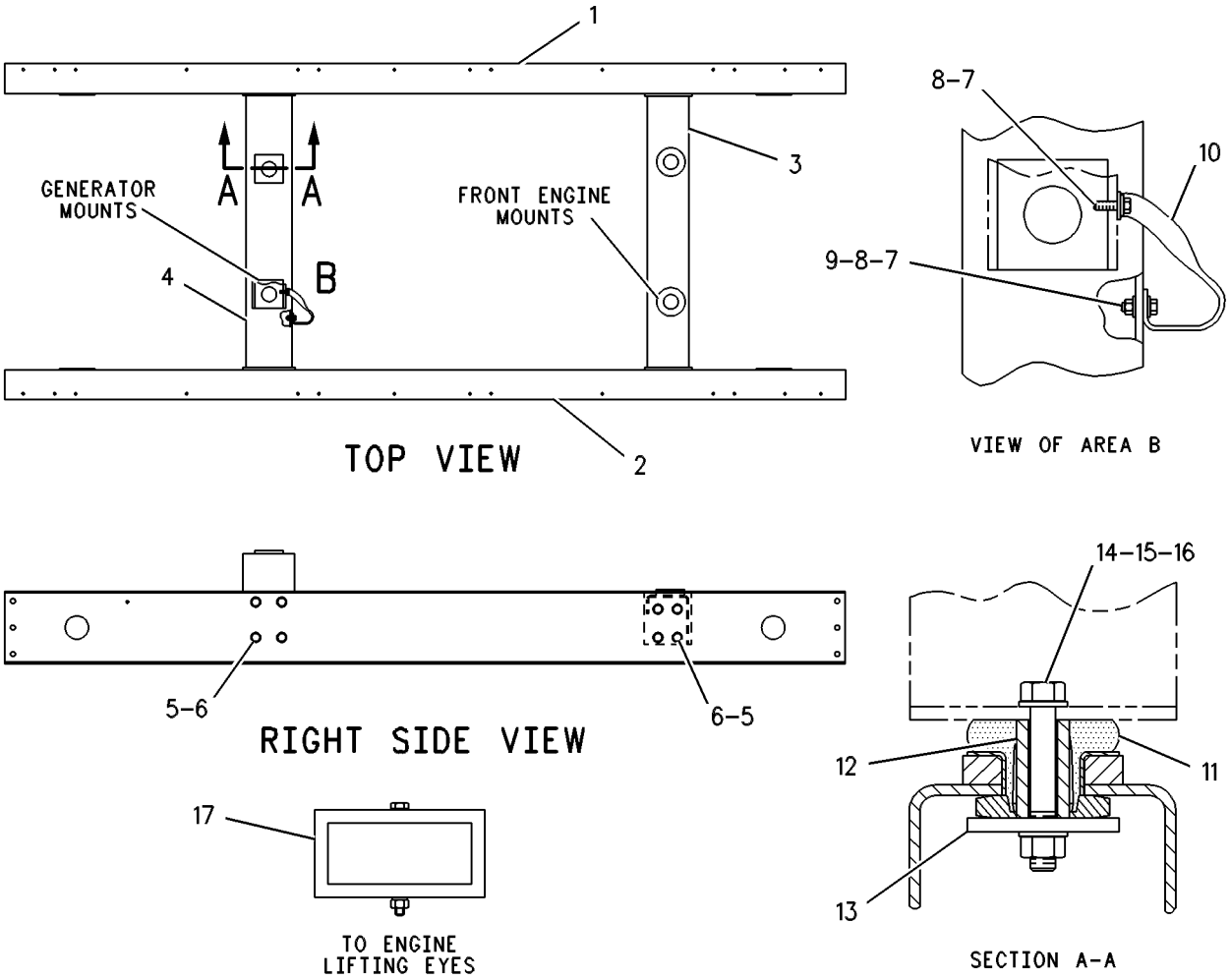
S/N: KPS1-UP

AN ATTACHMENT

SMCS-7060 **i01370631**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**128-5878**	1	SUPPORT AS	
	2	1	**128-5879**	1	SUPPORT AS	
	3	1	**127-8380**	1	SUPPORT AS-ENGINE	
		1	**2J-3505**	8	NUT-FULL (7/8-9 THD)	
	4	1	**127-8381**	1	SUPPORT AS-GENERATOR	
		1	**2J-3505**	8	NUT-FULL (7/8-9 THD)	
	5	1	**7X-0381**	16	BOLT (7/8-9X2IN)	
	6	1	**8C-6913**	16	WASHER-HARD (4MM THK)	
	7	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
	8	1	**5P-1075**	3	WASHER-HARD (10.2X22.5X3MM THK)	
	9	1	**6V-8801**	1	NUT (3/8-16 THD)	
	10	1	**034-3665**	1	STRAP-GROUNDING	
	11	1	**9W-9930**	4	MOUNT AS	
	12	1	**9W-6582**	4	SLEEVE	
	13	1	**9W-6584**	4	WASHER (10MM THK)	
	14	1	**7X-0375**	4	BOLT (3/4X10X5 IN)	
	15	1	**8T-4994**	8	WASHER-HARD (20X36.5X5MM THK)	
	16	1	**6V-8182**	4	NUT (3/4-10 THD)	
Y	17	1	*3N-8594*	2	COVER GP-PROTECTIVE LIFT	554

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00256757

ENCLOSURES, GUARDS AND BASES

129-1645 BASE GP-ENGINE & GENERATOR

S/N: KPS1-UP

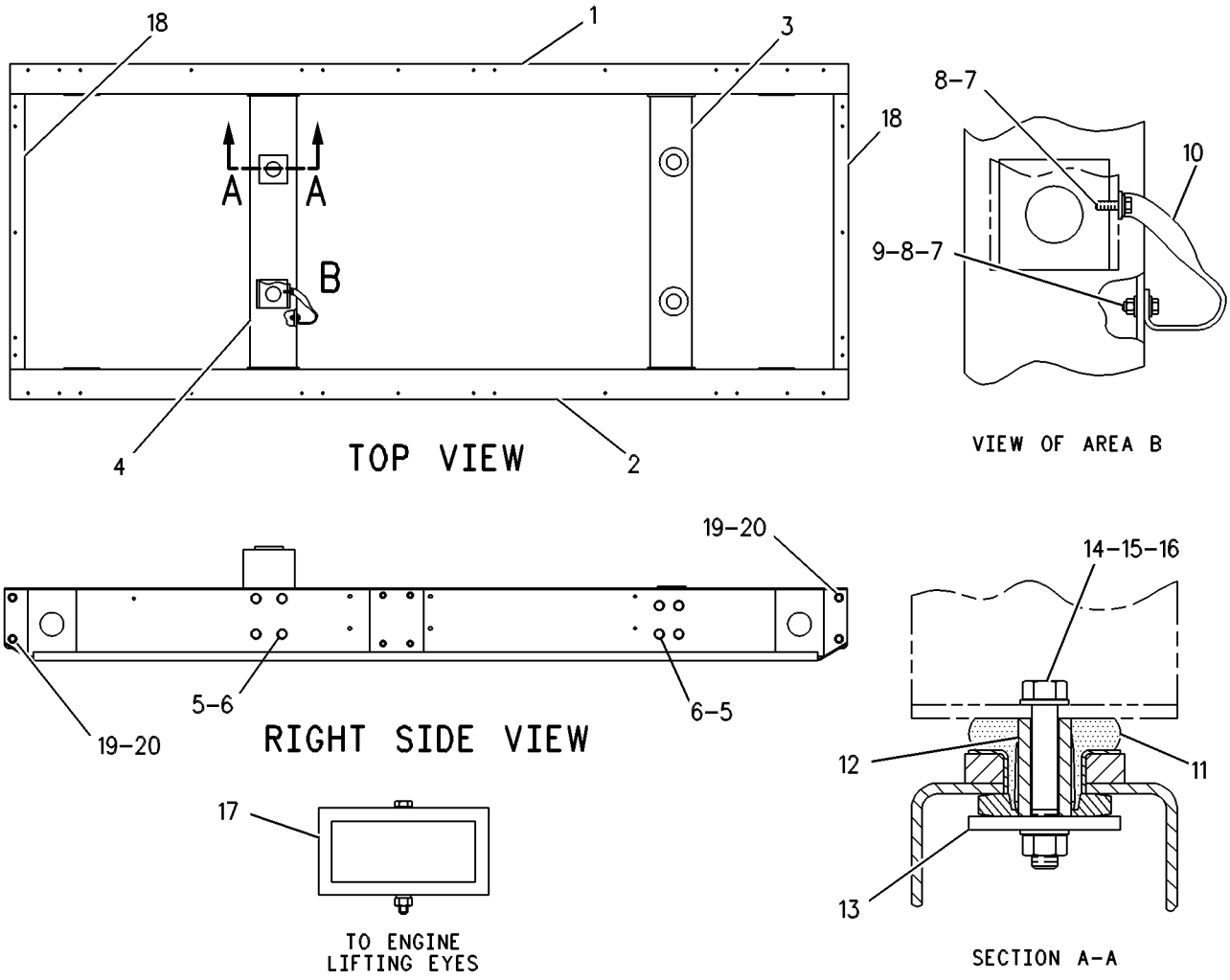
CANNOT BE USED WITH STATIONARY BASE GP, INTEGRAL FUEL TANK BASE GP OR STACK-ON FUEL TANK BASES

AN ATTACHMENT

SMCS-7060 **i01423788**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**129-1643**	1	SUPPORT AS	
		1	**2J-3505**	4	NUT-FULL (7/8-9 THD)	
	2	1	**129-1644**	1	SUPPORT AS	
		1	**2J-3505**	4	NUT-FULL (7/8-9 THD)	
	3	1	**127-8380**	1	SUPPORT AS-ENGINE	
		1	**2J-3505**	8	NUT-FULL (7/8-9 THD)	
	4	1	**127-8381**	1	SUPPORT AS-GENERATOR	
		1	**2J-3505**	8	NUT-FULL (7/8-9 THD)	
	5	1	**7X-0381**	16	BOLT (7/8-9X2 IN)	
	6	1	**8C-6913**	16	WASHER-HARD (24X41.5X4MM THK)	
	7	1	**9B-7237**	2	BOLT (3/8-16X1.25 IN)	
	8	1	**5P-1075**	3	WASHER-HARD (10.2X22.5X3MM THK)	
	9	1	**6V-8801**	1	NUT (3/8-16 THD)	
	10	1	**034-3665**	1	STRAP-GROUNDING	
	11	1	**9W-9930**	4	MOUNT AS	
	12	1	**9W-6582**	4	SLEEVE	
	13	1	**9W-6584**	4	WASHER (20.5X114X10MM THK)	
	14	1	**7X-0375**	4	BOLT (3/4-10X5 IN)	
	15	1	**8T-4994**	8	WASHER-HARD (20X36.5X5MM THK)	
	16	1	**6V-8182**	4	NUT (3/4-10 THD)	
Y	17	1	*3N-8594*	2	COVER GP-PROTECTIVE LIFT	554
	18	1	**127-8382**	2	PLATE AS	
					(EACH INCLUDES)	
		1	**3J-5169**	4	NUT (5/8-11 THD)	
	19	1	**8T-9393**	8	BOLT (5/8-11X1.5 IN)	
	20	1	**7X-0515**	8	WASHER-HARD (17X35X5MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00256653

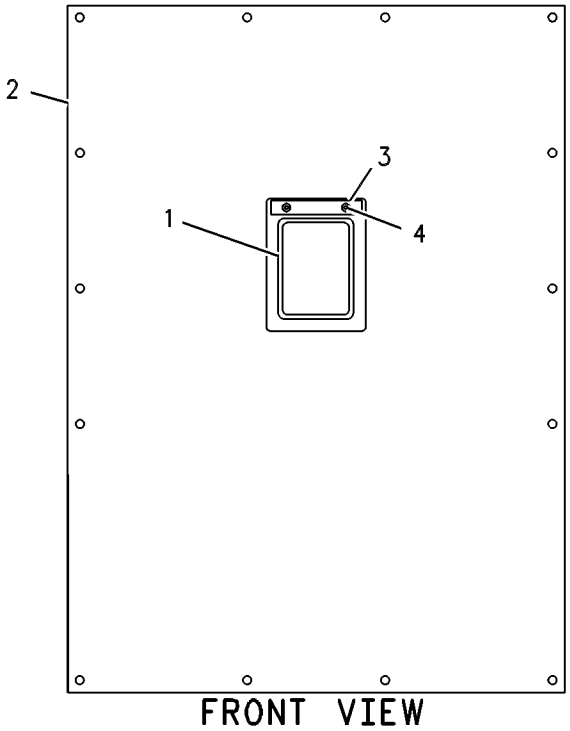
129-5841 COVER GP-GENERATOR

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
PART OF 222-5184, 222-5185, 222-5186 BOX GP-EXTENSION TERMINAL
FOR USE WITH 440-450 FRAME GENERATORS, 169-1851–PAGE 390, 169-1861–PAGE 392, 169-1837–PAGE 342, 169-1839–PAGE 343, 175-1329–PAGE 344, 175-1330–PAGE 345. CANNOT BE USED WITH 100 TO 250 AMPERE, 3 POLE OR 200 TO 250 AMPERE, 4 POLE "NSF" CIRCUIT BREAKER
AN ATTACHMENT

SMCS-7274 **i01959395**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-5721**	1	BOOT-CIRCUIT BREAKER	
	2	1	**232-3101**	1	COVER AS	
E		1	**101-2863**		SEAL (287CM)	
	3	1	**4P-5718**	1	STRIP	
	4	1	**4L-1250**	2	NUT (10 X 32 THD)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00256252

135-9996 ENCLOSURE GP

S/N: KPS1-UP

CANNOT BE USED WITH REAR MOUNTED CONTROL PANEL AN ATTACHMENT

SMCS-7263, 7274 **i01797117**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	130-6589	2	BAFFLE-RADIATOR	
			(MOUNT ONE BAFFLE TO FRONT FACE OF EACH SIDE CHANNEL OF RADIATOR)	
	4L-6454	8	BOLT (3/8-16X1 IN)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	
Y	*135-9995*	1	ENCLOSURE GP-GENERATOR	541
	1W-6802	4	PLUG-PROTECTION	
			(SHIPPED LOOSE)	
	6V-4247	138	SCREW-HEX HEAD	
			(THESE SCREWS ASSEMBLE ENCLOSURE PARTS TOGETHER AND MOUNT THE ENCLOSURE TO THE BASE)	
	8L-8413	1	STRAP-CABLE	
			(SECURES RADIATOR FILL CAP COVER IN CLOSED POSITION DURING SHIPPING)	
	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	

Y-SEPARATE ILLUSTRATION

<END>

ENCLOSURES, GUARDS AND BASES

129-9423 ENCLOSURE GP-GENERATOR

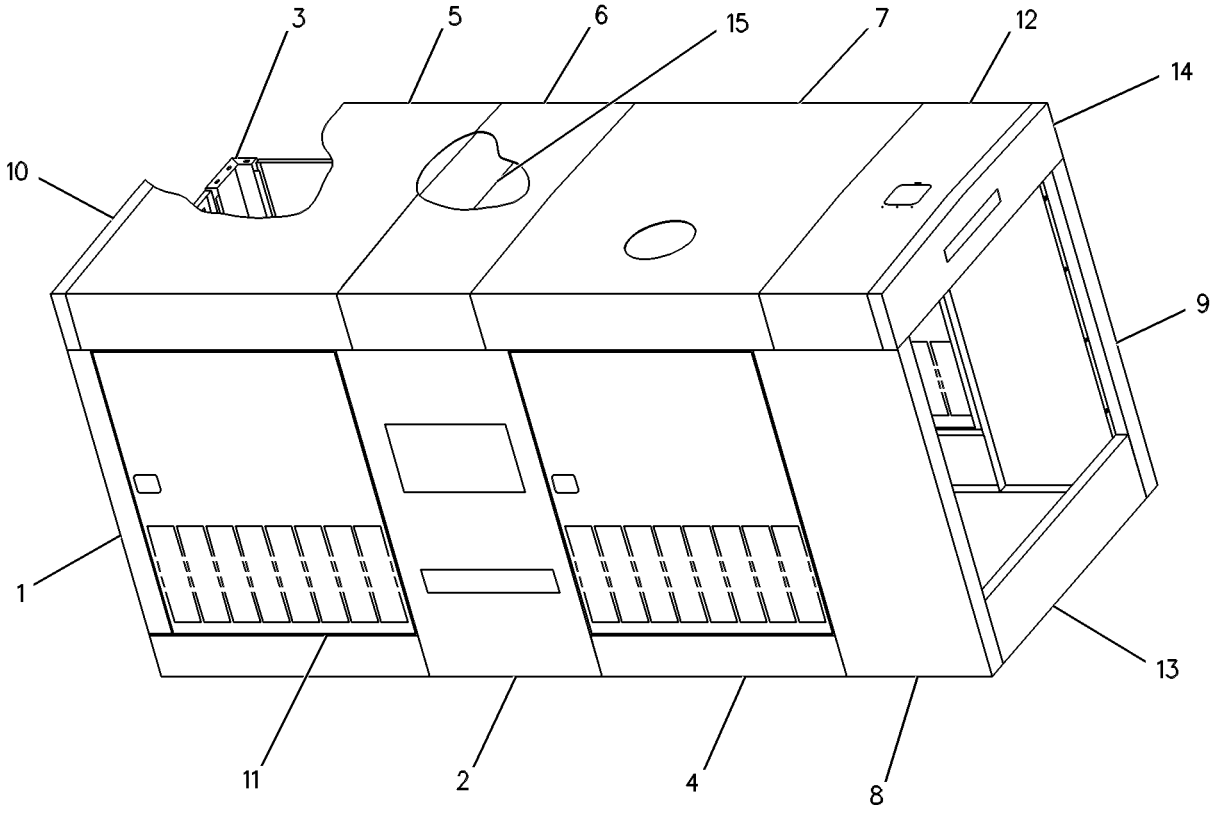
S/N: KPS1-UP

PART OF 129-9424, 129-9426, 135-9987, 135-9995 ENCLOSURE GP-GENERATOR AN ATTACHMENT

SMCS-7274 **i01753946**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**131-5247**	1	POST AS-CORNER	
	2	1	**129-5205**	2	POST AS-SIDE	
		1	**112-6221**	1	FILM-CAT	
	3	1	**131-5246**	1	POST AS-CORNER	
	4	1	**129-5207**	5	PANEL AS-DOOR	
	5	1	**130-5705**	1	PANEL AS-ROOF	
	6	1	**130-5710**	1	PANEL AS-ROOF	
	7	1	**130-5709**	1	PANEL AS-ROOF	
	8	1	**130-5706**	1	POST AS-CORNER	
	9	1	**129-9146**	1	POST AS-CORNER	
	10	1	**130-5707**	1	PANEL AS-ROOF	
		1	**112-6222**	1	FILM-CATERPILLAR	
	11	1	**129-5214**	5	DOOR AS-SIDE	
	12	1	**131-5248**	1	PANEL AS-ROOF	
	13	1	**129-5216**	1	PANEL AS	
	14	1	**130-5708**	1	PANEL AS-ROOF	
		1	**112-6222**	1	FILM-CATERPILLAR	
	15	1	**129-9155**	2	TRUSS-ROOF	

129-9423 ENCLOSURE GP-GENERATOR *(contd.)* i01753946



GRAPHIC #1 **<END>** g00269129

129-9424 ENCLOSURE GP-GENERATOR

S/N: KPS1-UP
56 INCH WIDE. YELLOW
AN ATTACHMENT

SMCS-7274 **i01796062**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	130-6589	2	BAFFLE-RADIATOR	
			(MOUNT ONE BAFFLE TO FRONT FACE OF EACH SIDE CHANNEL OF RADIATOR)	
	4L-6454	8	BOLT (3/8-16X1 IN)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	
Y	**129-9423**	1	ENCLOSURE GP-GENERATOR	537
	1W-6802	4	PLUG-PROTECTION	
			(SHIPPED LOOSE)	
	6V-4247	138	SCREW-HEX HEAD	
			(THESE SCREWS ASSEMBLE ENCLOSURE PARTS TOGETHER AND MOUNT THE ENCLOSURE TO THE BASE)	
	8L-8413	1	STRAP-CABLE	
			(SECURES RADIATOR FILL CAP COVER IN CLOSED POSITION DURING SHIPPING)	
	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	

Y-SEPARATE ILLUSTRATION

<END>

129-9426 ENCLOSURE GP-GENERATOR

S/N: KPS1-UP
PART OF 129-9427 ENCLOSURE GP-GENERATOR
AN ATTACHMENT

SMCS-7274 **i00707106**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**129-9423**	1	ENCLOSURE GP-GENERATOR	537

Y-SEPARATE ILLUSTRATION

<END>

129-9427 ENCLOSURE GP-GENERATOR

S/N: KPS1-UP
56 INCH WIDE. WHITE
AN ATTACHMENT

SMCS-7274 **i01796157**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	130-6589	2	BAFFLE-RADIATOR	
			(MOUNT ONE BAFFLE TO FRONT FACE OF EACH SIDE CHANNEL OF RADIATOR)	
	4L-6454	8	BOLT (3/8-16X1 IN)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	
Y	**129-9426**	1	ENCLOSURE GP-GENERATOR	539
	1W-6802	4	PLUG-PROTECTION	
			(SHIPPED LOOSE)	
	6V-4247	138	SCREW-HEX HEAD	
			(THESE SCREWS ASSEMBLE ENCLOSURE PARTS TOGETHER AND MOUNT THE ENCLOSURE TO THE BASE)	
	8L-8413	1	STRAP-CABLE	
			(SECURES RADIATOR FILL CAP COVER IN CLOSED POSITION DURING SHIPPING)	
	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	

Y-SEPARATE ILLUSTRATION

<END>

135-9987 ENCLOSURE GP-GENERATOR

S/N: KPS1-UP
BRIGHT BEIGE, 56 INCH WIDE
PART OF 135-9988 ENCLOSURE GP-GENERATOR
AN ATTACHMENT

SMCS-7274 **i01691573**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**129-9423**	1	ENCLOSURE GP-GENERATOR	537

Y-SEPARATE ILLUSTRATION

<END>

135-9988 ENCLOSURE GP-GENERATOR

S/N: KPS1-UP
BEIGE
AN ATTACHMENT

SMCS-7274 **i01797122**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	130-6589	2	BAFFLE-RADIATOR	
			(MOUNT ONE BAFFLE TO FRONT FACE OF EACH SIDE CHANNEL OF RADIATOR)	
	4L-6454	8	BOLT (3/8-16X1 IN)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	
Y	*135-9987*	1	ENCLOSURE GP-GENERATOR	540
	1W-6802	4	PLUG-PROTECTION	
			(SHIPPED LOOSE)	
	6V-4247	138	SCREW-HEX HEAD	
			(THESE SCREWS ASSEMBLE ENCLOSURE PARTS TOGETHER AND MOUNT THE ENCLOSURE TO THE BASE)	
	8L-8413	1	STRAP-CABLE	
			(SECURES RADIATOR FILL CAP COVER IN CLOSED POSITION DURING SHIPPING)	
	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
			(SECURES BAFFLES TO SIDE CHANNELS OF RADIATOR)	

Y-SEPARATE ILLUSTRATION

<END>

135-9995 ENCLOSURE GP-GENERATOR

S/N: KPS1-UP
PART OF 135-9996 ENCLOSURE GP
AN ATTACHMENT

SMCS-7274 **i00708247**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**129-9423**	1	ENCLOSURE GP-GENERATOR	537

Y-SEPARATE ILLUSTRATION

<END>

ENCLOSURES, GUARDS AND BASES

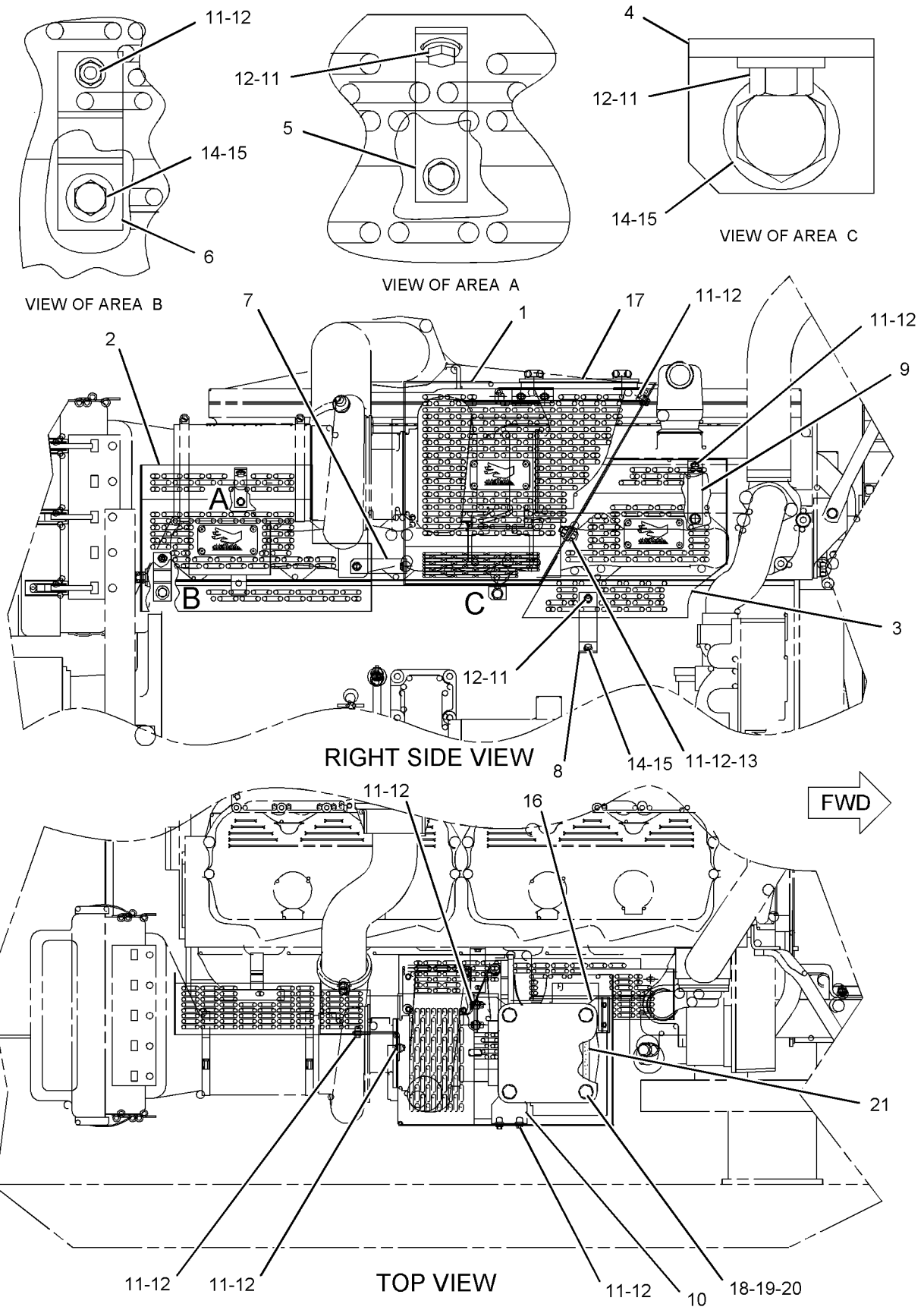
203-0841 GUARD GP-ENGINE

S/N: KPS1-UP
TURBO/MANIFOLD
AN ATTACHMENT

SMCS-7154 **i01948292**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**202-0690**	1	GUARD AS	
M		1	**3E-4304**	1	INSERT-THREADED	
		1	**6C-3679**	4	RIVET-POP	
		1	**192-4645**	1	PLATE-WARNING (HOT SURFACE)	
	2	1	**201-8822**	1	GUARD AS	
		1	**6C-3679**	4	RIVET-POP	
		1	**192-4645**	1	PLATE-WARNING (HOT SURFACE)	
	3	1	**201-8892**	1	GUARD AS	
		1	**6C-3679**	4	RIVET-POP	
		1	**192-4645**	1	PLATE-WARNING (HOT SURFACE)	
	4	1	**202-4934**	1	BRACKET	
	5	1	**202-4935**	1	BRACKET AS	
M		1	**3E-4304**	1	INSERT-THREADED	
	6	1	**202-4936**	1	BRACKET AS	
M		1	**3E-4304**	1	INSERT-THREADED	
	7	1	**202-4937**	1	BRACKET AS	
M		1	**3E-4304**	2	INSERT-THREADED	
	8	1	**202-4938**	1	BRACKET AS	
M		1	**3E-4304**	1	INSERT-THREADED	
	9	1	**202-4939**	1	BRACKET AS	
M		1	**3E-4304**	1	INSERT-THREADED	
	10	1	**202-4940**	2	BRACKET AS	
M		1	**3E-4304**	1	INSERT-THREADED	
M	11	1	**5C-9553**	14	BOLT (M6X1X16MM)	
	12	1	**9X-8256**	15	WASHER (6.6X12X2MM THK)	
M	13	1	**5C-2890**	1	NUT (M6X1 THD)	
	14	1	**4L-6454**	3	BOLT (3/8-16X1 IN)	
	15	1	**8T-4896**	3	WASHER-HARD (10.2X18.5X2.5MM THK)	
	16	1	**202-4941**	1	BRACKET AS	
M		1	**3E-4304**	2	INSERT-THREADED	
	17	1	**5N-4430**	1	COVER	
M	18	1	**8T-4779**	4	BOLT (M16X2X35MM)	
	19	1	**9X-8257**	8	WASHER (17.5X30X3.5MM THK)	
M	20	1	**8T-4132**	4	NUT (M16X2 THD)	
CD	21	1	**5P-5637**		SEAL (.7M)	

C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
M-METRIC PART



GRAPHIC #1 **<END>** g01023570

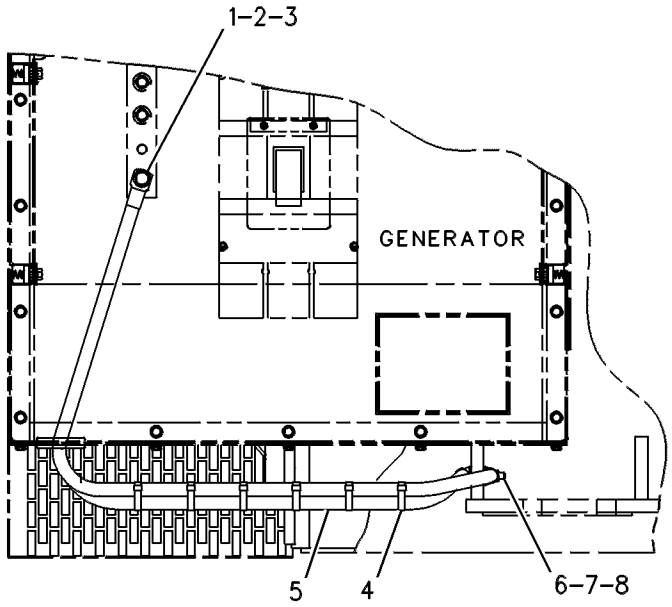
108-1058 CABLE GP-GENERATOR GROUND

S/N: KPS1-UP
800 AMPERE
FOR USE WITH 108-1063—PAGE 320
AN ATTACHMENT

SMCS-4459 **i00671712**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-8919**	1	BOLT (1/2-13X1.75IN)	
	2	1	**8T-4223**	2	WASHER-HARD (3MM THK)	
	3	1	**6V-8188**	1	NUT (1/2-13 THD)	
B	4	1	**6K-0806**	6	STRAP-CABLE	
	5	1	**132-6790**	1	CABLE AS	
	6	1	**8T-0192**	1	BOLT (3/8-16X2.25IN)	
	7	1	**6V-8801**	2	NUT (3/8-16 THD)	
	8	1	**5P-1075**	2	WASHER-HARD (3MM THK)	

B-USE AS REQUIRED



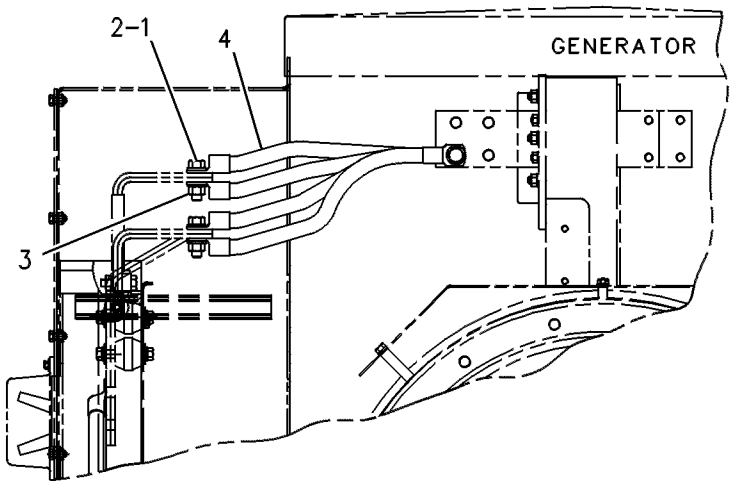
GRAPHIC #1 **<END>** g00239124

108-1059 CABLE GP-GENERATOR GROUND

S/N: KPS1-UP
POWER - 800 AMPERE
FOR USE WITH 108-1063—PAGE 320
AN ATTACHMENT

SMCS-4459 **i00671720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-8919**	8	BOLT (1/2-13X1.75IN)	
	2	1	**8T-4223**	16	WASHER-HARD (3MM THK)	
	3	1	**6V-8188**	8	NUT (1/2-13 THD)	
	4	1	**106-9988**	8	CABLE AS	



GRAPHIC #1 **<END>** g00239125

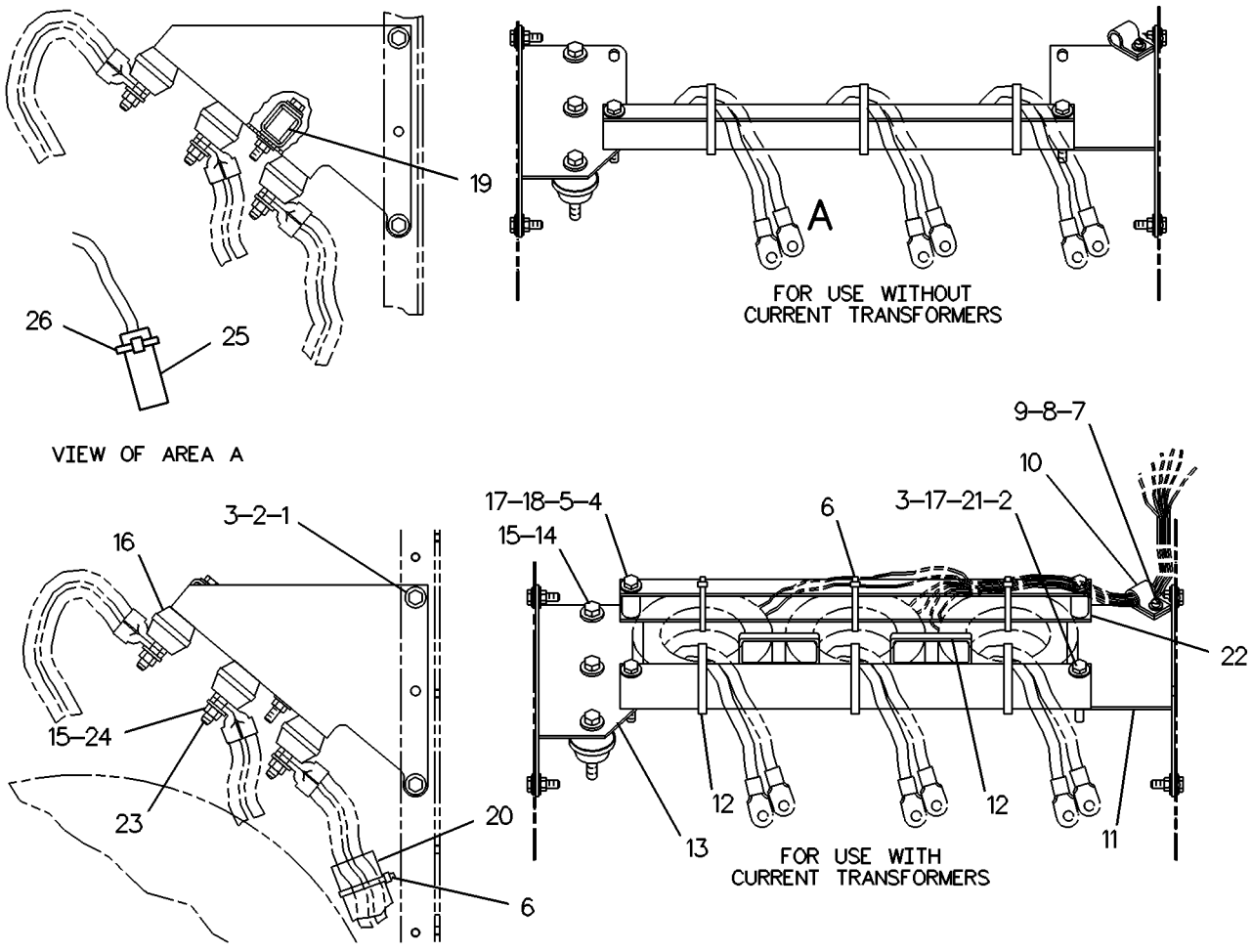
4P-7148 CONNECTION GP-GENERATOR LEADS

S/N: 9CR2744-UP
440 FRAME, 12 LEAD
AN ATTACHMENT

SMCS-4460 **i00671619**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-0023**	4	BOLT-HEAD LOCKING	
	2	1	**5P-4116**	8	WASHER (2MM THK)	
	3	1	**6V-8189**	6	NUT (5/16-18 THD)	
B	4	1	**8T-8912**	2	BOLT (5/16-18X2.25IN)	
B	5	1	**5P-4116**	4	WASHER (2MM THK)	
B	6	1	**6K-0806**	15	STRAP-CABLE	
	7	1	**6J-4762**	1	SCREW	
	8	1	**4B-4274**	2	WASHER (1.2MM THK)	
	9	1	**9S-5937**	1	LOCKNUT	
	10	1	**8J-1256**	1	CLIP (12.7MM ID)	
	11	1	**6I-3022**	1	BRACKET	
B	12	1	**7K-1181**	12	STRAP-CABLE (4.00IN DIA)	
	13	1	**4P-5533**	1	BRACKET	
	14	1	**5P-8167**	3	BOLT (3/8-16X.625IN)	
	15	1	**5P-1075**	6	WASHER-HARD (3MM THK)	
	16	1	**4W-7142**	3	INSULATOR	
B	17	1	**7K-3377**	4	PIPE	
	18	1	**6V-8189**	2	NUT (5/16-18 THD)	
	19	1	**8B-0544**	2	SPACER	
	20	1	**7H-8213**	6	MAT	
	21	1	**8T-8912**	2	BOLT (5/16-18X2.25IN)	
	22	1	**4W-7388**	2	CHANNEL-MOUNTING	
	23	1	**8T-5409**	3	STUD-TAPERLOCK	
	24	1	**6V-8801**	3	NUT (3/8-16 THD)	
BE	25	1	**9X-2639**		SLEEVE (276CM BULK)	
B	26	1	**3S-2093**	12	STRAP-CABLE (1.75IN DIA)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00222092

7C-1781 CONNECTION GP-GENERATOR LEADS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CSA, SERIES-WYE, HV
AN ATTACHMENT

SMCS-4460 **i01790300**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	8T-0192	1	BOLT (3/8-16X2.25 IN)	
	6V-8801	2	NUT (3/8-16 THD)	
	5P-1075	3	WASHER-HARD (10.2X22.5X3MM THK)	

<END>

7C-1846 CONNECTION GP-GENERATOR LEADS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
CSA, PARALLEL-WYE, LV
AN ATTACHMENT

SMCS-4460 **i01790305**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	8T-0192	1	BOLT (3/8-16X2.25 IN)	
	1D-4717	2	NUT (3/8-16 THD)	
	5P-1075	3	WASHER-HARD (10.2X22.5X3MM THK)	

<END>

129-5035 CONNECTION GP-GENERATOR LEADS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

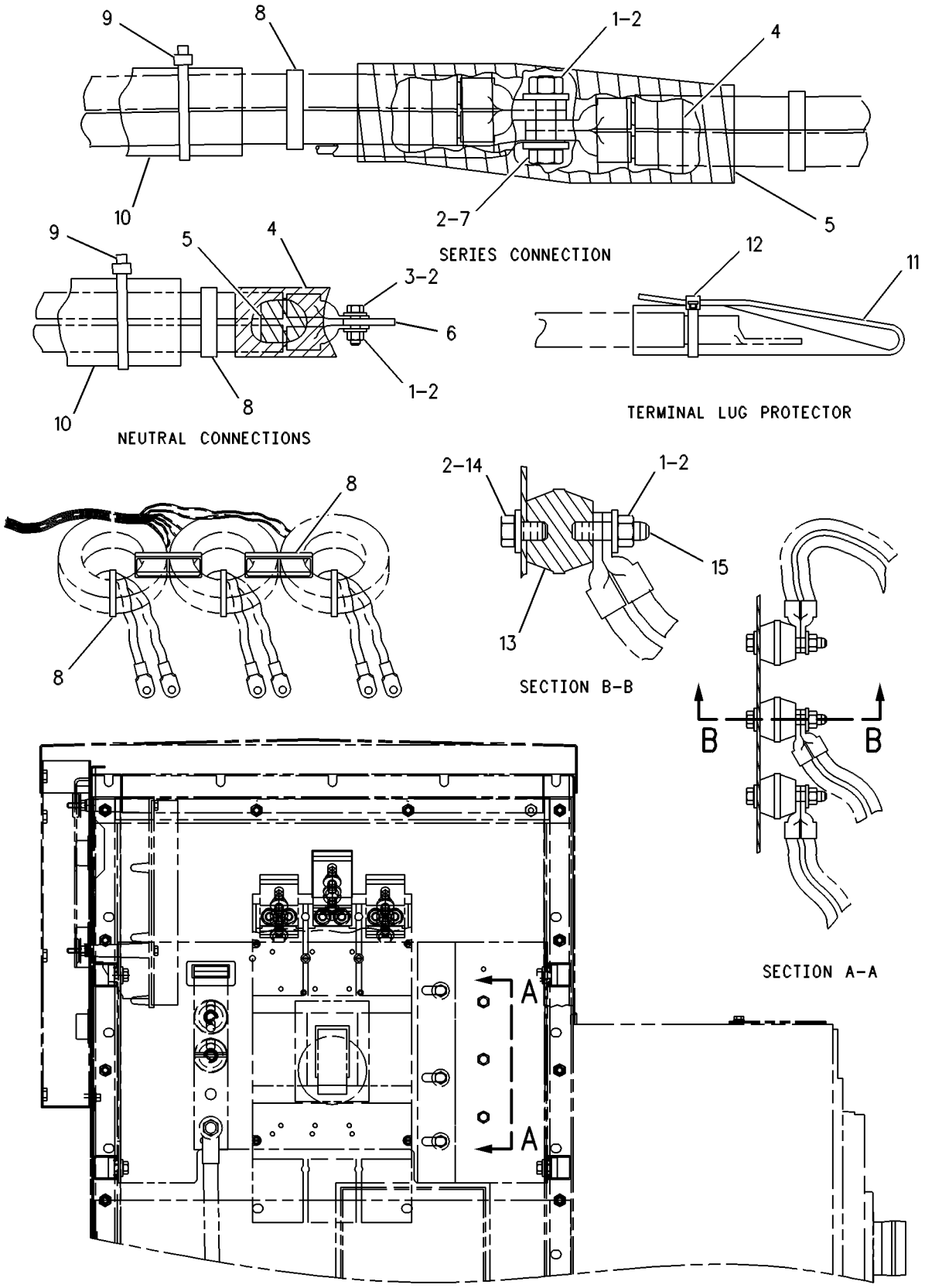
PART OF 129-1478, 129-1479, 129-1482, 129-1483, 129-1486, 129-1487, 142-4934 GENERATOR AR

SMCS-4460 **i00706952**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-8801**	9	NUT (3/8-16 THD)	
	2	1	**5P-1075**	18	WASHER-HARD (3MM THK)	
	3	1	**9B-7237**	3	BOLT (3/8-16X1.25IN)	
B	4	1	**5N-4686**	2	TAPE-ELECTRICAL (VINYL PLASTIC)	
B	5	1	**5N-4685**	2	TAPE-ELECTRICAL (VARNISHED CAMBRIC)	
	6	1	**7W-0133**	1	BAR-CONNECTOR	
	7	1	**5S-7382**	3	BOLT (3/8-16X1.375IN)	
B	8	1	**7K-1181**	17	STRAP-CABLE (4.00IN DIA)	
B	9	1	**6K-0806**	18	STRAP-CABLE	
B	10	1	**7H-8213**	3	MAT	
E	11	1	**9X-2639**		SLEEVE (138 CM)	
	12	1	**3S-2093**	6	STRAP-CABLE (1.75IN DIA)	
	13	1	**4W-7142**	3	INSULATOR	
	14	1	**5P-8167**	3	BOLT (3/8-16X.625IN)	
	15	1	**8T-5409**	3	STUD-TAPERLOCK	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER

129-5035 **CONNECTION GP-GENERATOR LEADS** *(contd.)* **i00706952**



GRAPHIC #1 **<END>** g00270967

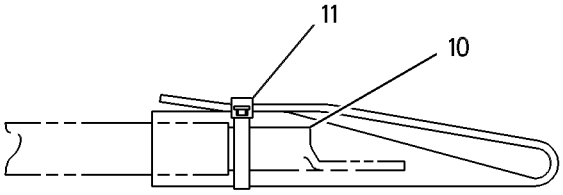
132-9785 CONNECTION GP-GENERATOR LEADS

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH LOW VOLTAGE PS2000 GENERATORS
AN ATTACHMENT

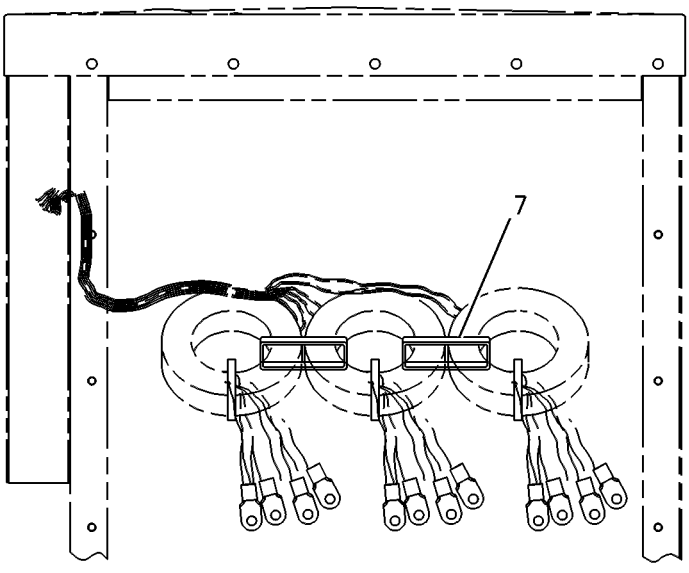
SMCS-4460 **i00958564**

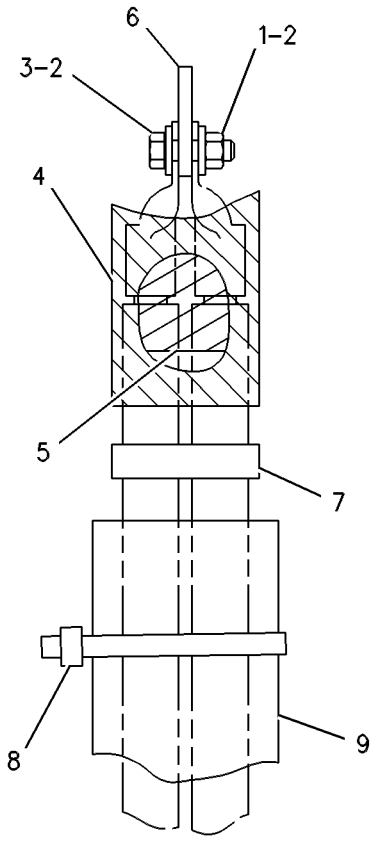
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-8801**	6	NUT (3/8-16 THD)	
	2	1	**5P-1075**	12	WASHER-HARD (3MM THK)	
	3	1	**9B-7237**	6	BOLT (3/8-16X1.25IN)	
B	4	1	**5N-4686**	2	TAPE-ELECTRICAL (VINYL PLASTIC)	
B	5	1	**5N-4685**	2	TAPE-ELECTRICAL (VARNISHED CAMBRIC)	
	6	1	**7W-0133**	2	BAR-CONNECTOR	
B	7	1	**7K-1181**	16	STRAP-CABLE (4.00IN DIA)	
B	8	1	**6K-0806**	12	STRAP-CABLE	
B	9	1	**7H-8213**	3	MAT	
BE	10	1	**9X-2639**		SLEEVE	
	11	1	**3S-2093**	12	STRAP-CABLE (1.75IN DIA)	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



TERMINAL LUG PROTECTOR





NEUTRAL CONNECTIONS

GRAPHIC #1 **<END>** g00256402

130-4591 CONNECTION GP-TERMINAL STRIP

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

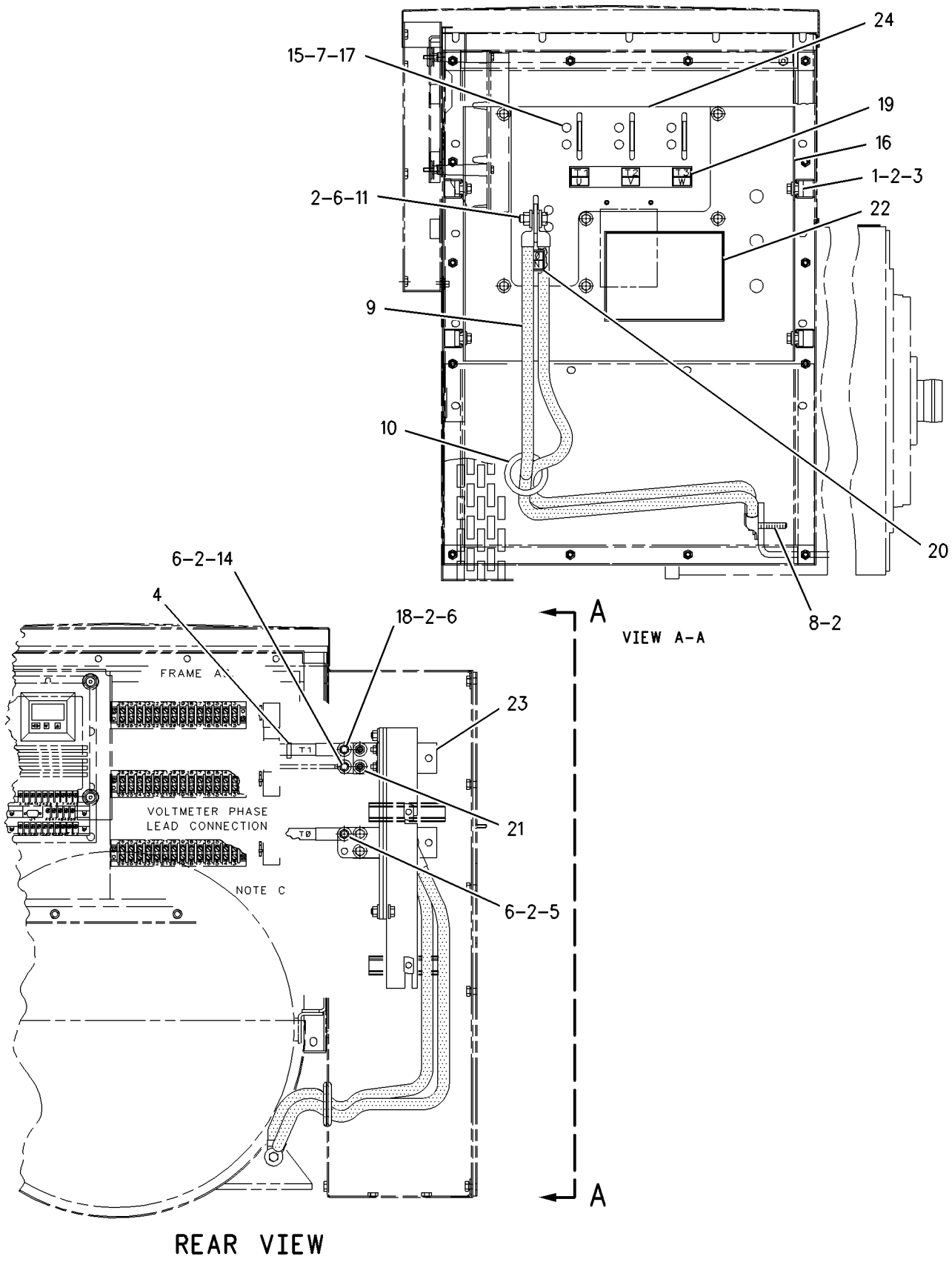
AN ATTACHMENT

SMCS-4460 **i01832631**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-6734**	4	NUT-SPRING (3/8-16 THD)	
	2	1	**5P-1075**	49	WASHER-HARD (10.2X22.5X3MM THK)	
	3	1	**5M-3062**	4	BOLT (3/8-16X0.75 IN)	
	4	1	**7K-1181**	4	STRAP-CABLE	
	5	1	**9B-7237**	4	BOLT (3/8-16X1.25 IN)	
	6	1	**6V-8801**	22	NUT (3/8-16 THD)	
	7	1	**5P-4115**	8	WASHER-HARD (7.2X19X2MM THK)	
	8	1	**8T-0192**	1	BOLT (3/8-16X2.25 IN)	
	9	1	**130-5693**	2	CABLE AS	
					(EACH INCLUDES)	
		1	**5P-2600**	1	RING-TERMINAL (FOR 1/2IN BOLT)	
		1	**035-0425**	1	RING-TERMINAL (FOR 3/8IN BOLT)	
E		1	**188-3111**		CABLE (000 GA) (132CM)	
	10	1	**2S-1647**	1	GROMMET	
	11	1	**4L-9337**	1	BOLT (3/8-16X1.5 IN)	
	14	1	**5S-7379**	3	BOLT (3/8-16X0.875 IN)	
	15	1	**6V-8185**	8	NUT (1/4-20 THD)	
	16	1	**130-4589**	1	BRACKET-STRIP	
	17	1	**1D-4669**	8	BOLT-CARRIAGE	
	18	1	**4L-6454**	8	BOLT (3/8-16X1 IN)	
	19	1	**4W-6392**	1	FILM-TERMINAL STRIP	
	20	1	**4W-6393**	1	FILM-TERMINAL STRIP	
	21	1	**4W-8984**	4	BRACKET-SUPPORT	
	22	1	**4W-9449**	1	FILM-GENERATOR WIRING	
	23	1	**4W-9993**	4	BAR-BUS	
	24	1	**4W-9995**	2	PLATE-INSULATOR	

E-ORDER BY THE CENTIMETER

130-4591 **CONNECTION GP-TERMINAL STRIP** ***(contd.)*** **i01832631**



GRAPHIC #1 **<END>** g00936241

3N-8594 COVER GP-PROTECTIVE LIFT

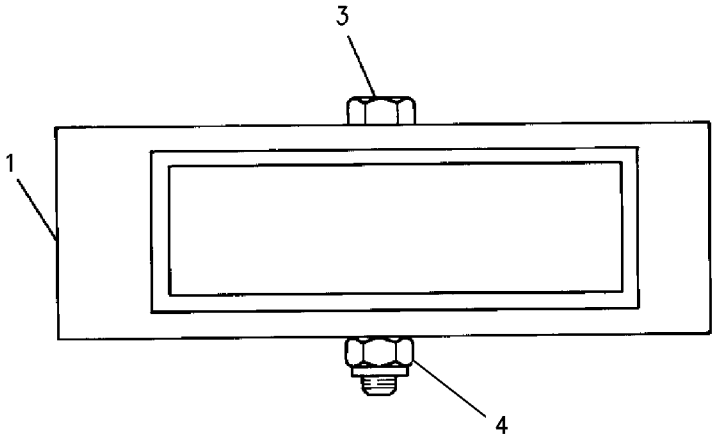
S/N: KPS1-UP

PART OF 128-5881, 129-1645 BASE GP-ENGINE & GENERATOR, 130-0033 TANK & BASE GP-FUEL

AN ATTACHMENT

SMCS-726A **i01365688**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-8593**	1	COVER-EYE	
	3	1	**8T-9368**	1	BOLT (1/4-20X2.25IN)	
	4	1	**3E-9865**	1	LOCKNUT (1/4-20 THD)	



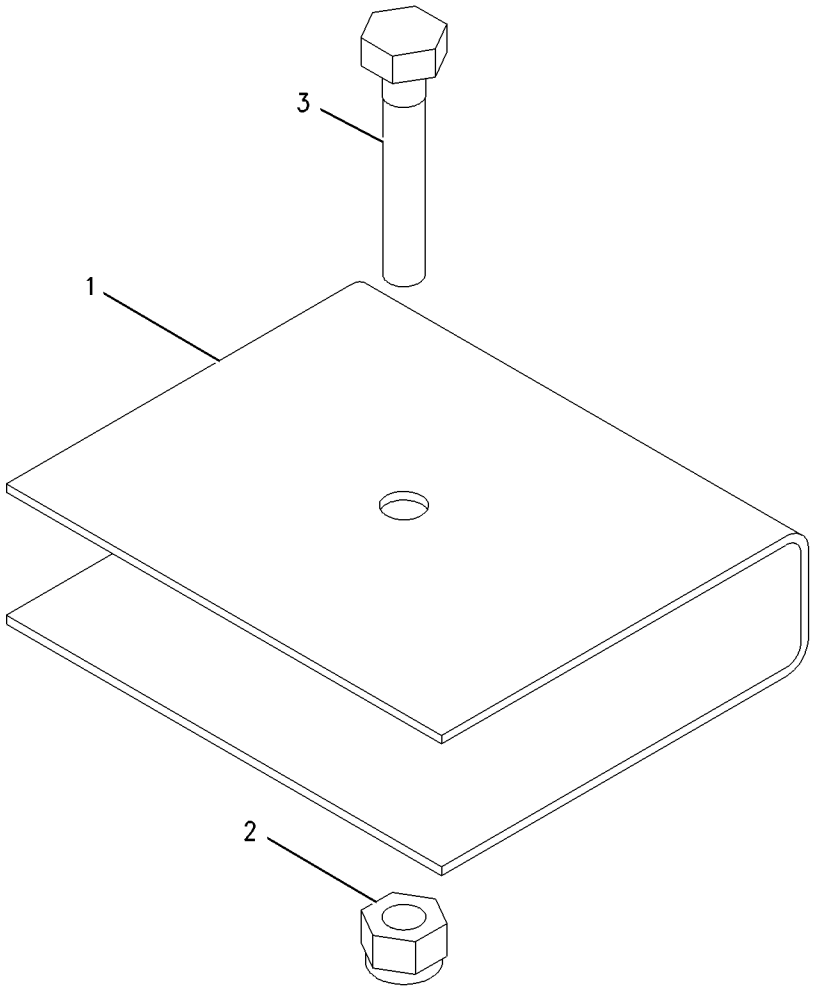
GRAPHIC #1 **<END>** g00720602

225-7845 COVER GP-ACCESS—LIFTING EYES

S/N: KPS1-UP
AN ATTACHMENT

SMCS-726A **i01888748**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**225-7846**	1	COVER (LIFTING EYES)	
	2	1	**3E-9865**	1	LOCKNUT	
	3	1	**4M-5282**	1	BOLT (1/4-20X1.50 IN)	



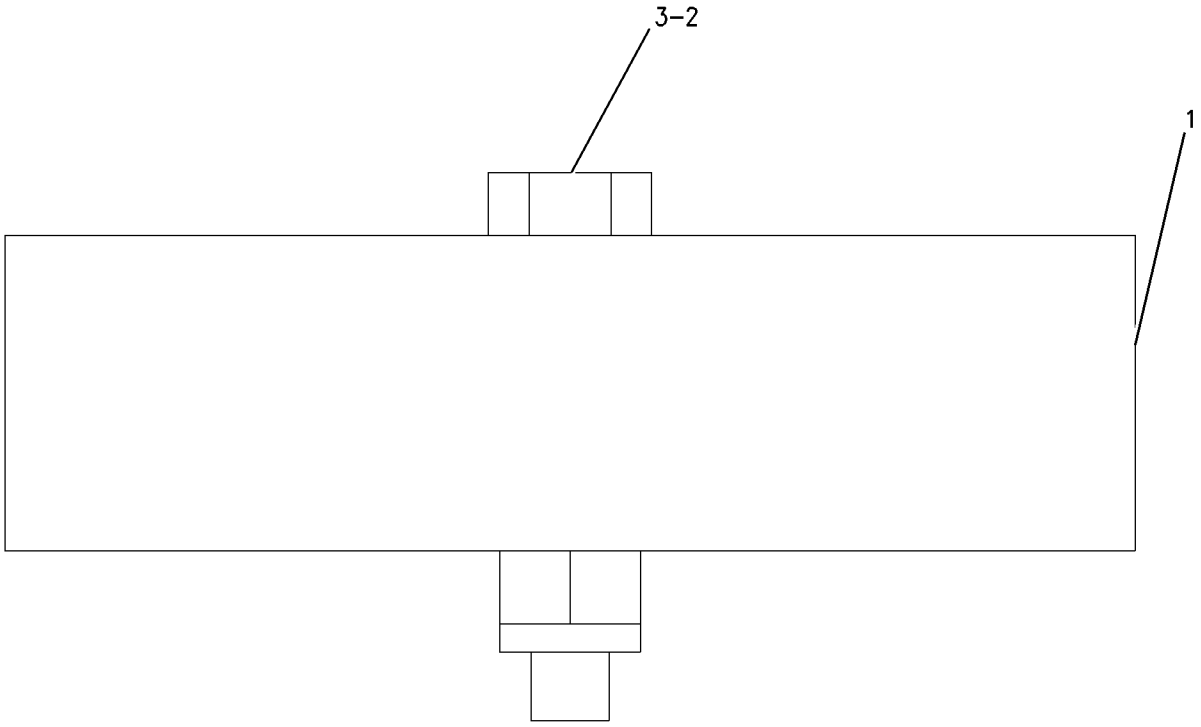
GRAPHIC #1 **<END>** g00984636

226-1771 COVER GP-ACCESS

S/N: KPS1-UP
FOR USE WITH GENSETS
AN ATTACHMENT

SMCS-726A **i01892313**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**226-1781**	1	COVER	
	2	1	**3E-9865**	1	LOCKNUT (1/4-20 THD)	
	3	1	**4M-5282**	1	BOLT (1/4-20X1.50 IN)	



GRAPHIC #1 **<END>** g00999051

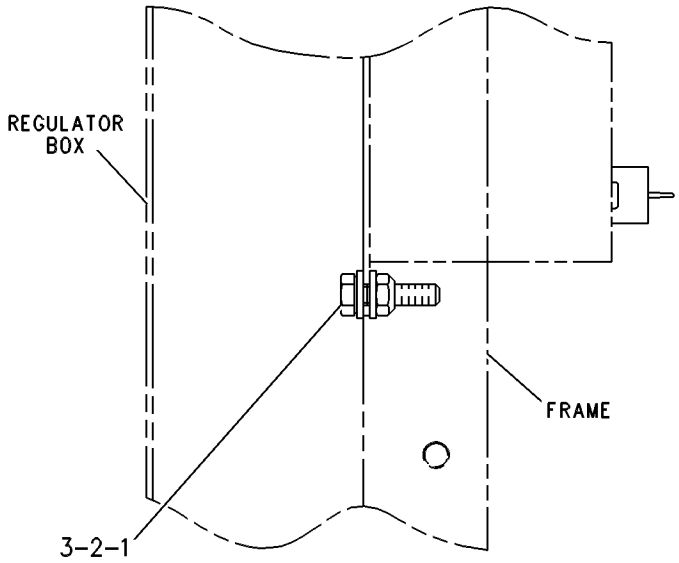
130-7548 FASTENER GP-RFI FILTER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

AN ATTACHMENT

SMCS-4479 **i01112358**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-8908**	4	BOLT (1/4-20X1IN)	
	2	1	**8T-4205**	8	WASHER-HARD (2MM THK)	
	3	1	**2D-6235**	4	LOCKNUT (1/4-20 THD)	



GRAPHIC #1 **<END>** g00256255

GENERATORS

129-1478 GENERATOR AR

S/N: 9DR4432-UP
240-480 VOLT, 60 HERTZ

SMCS-4450 **i01645535**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
Y	*129-1502*	1	GENERATOR GP	573
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT	
			OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES	
			FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

129-1479 GENERATOR AR

S/N: 9DR4432-UP
240-480 VOLT, 60 HERTZ

SMCS-4450 **i01645649**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
Y	*129-1503*	1	GENERATOR GP	575
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1480 GENERATOR AR

S/N: 9DR4432-UP
600 VOLT, 60 HERTZ

SMCS-4450 **i01645543**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-1504*	1	GENERATOR GP	577
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

129-1481 GENERATOR AR

S/N: 9DR4432-UP
600 VOLT, 60 HERTZ

SMCS-4450 **i01645544**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-1505*	1	GENERATOR GP	579
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1482 GENERATOR AR

S/N: 8ER3559-UP
240-480 VOLT, 60 HERTZ

SMCS-4450 **i01645546**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
Y	*129-1506*	1	GENERATOR GP	581
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

129-1483 GENERATOR AR

S/N: 8ER3559-UP
240-480 VOLT, 60 HERTZ

SMCS-4450 **i01704747**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
Y	*129-1507*	1	GENERATOR GP	583
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1484 GENERATOR AR

S/N: 8ER3559-UP
600 VOLT, 60 HERTZ

SMCS-4450 **i01704754**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-1508*	1	GENERATOR GP	585
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1485 GENERATOR AR

S/N: 8ER3559-UP
600 VOLT, 60 HERTZ

SMCS-4450 **i01704756**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-1509*	1	GENERATOR GP	587
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1486 GENERATOR AR

S/N: 9CR2744-UP

240-480 VOLT, 60 HERTZ

SMCS-4450 **i01704758**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
Y	*129-1510*	1	GENERATOR GP	589
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

129-1487 GENERATOR AR

S/N: 9CR2744-UP
240-480 VOLT, 60 HERTZ

SMCS-4450 **i01704760**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
Y	*129-1511*	1	GENERATOR GP	591
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1488 GENERATOR AR

S/N: 9CR2744-UP
600 VOLT, 60 HERTZ

SMCS-4450 **i01704762**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-1512*	1	GENERATOR GP	593
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1489 GENERATOR AR

S/N: 9CR2744-UP
600 VOLT, 60 HERTZ

SMCS-4450 **i01704765**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-1513*	1	GENERATOR GP	595
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	
	7C-7319	2	FILM-NOTICE (GENERATOR FAN)	
			(INSTALLED ON EACH SIDE OF GENERATOR ABOVE HORIZONTAL CENTERLINE AS FAR FORWARD AS POSSIBLE)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	

Y-SEPARATE ILLUSTRATION

<END>

130-4708 GENERATOR AR

S/N: 9DR4432-UP
208 VOLT, 60 HERTZ

SMCS-4450 **i01645559**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-4719*	1	GENERATOR GP	597
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMERCONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

130-4710 GENERATOR AR

S/N: 9DR4432-UP
208 VOLT, 60 HERTZ

SMCS-4450 **i01645563**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-4720*	1	GENERATOR GP	599
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

130-4711 GENERATOR AR

S/N: 8ER3559-UP
208 VOLT, 60 HERTZ

SMCS-4450 **i01645564**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-4721*	1	GENERATOR GP	601
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

130-4712 GENERATOR AR

S/N: 8ER3559-UP
208 VOLT, 60 HERTZ

SMCS-4450 **i01645567**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-4722*	1	GENERATOR GP	603
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

130-4713 GENERATOR AR

S/N: 9CR2744-UP
208 VOLT, 60 HERTZ

SMCS-4450 **i01645569**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-4723*	1	GENERATOR GP	605
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMERCONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

130-4714 GENERATOR AR

S/N: 9CR2744-UP
208 VOLT, 60 HERTZ

SMCS-4450 **i01645570**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-4724*	1	GENERATOR GP	607
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHESFROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

130-7569 GENERATOR AR

S/N: 9DR4432-UP
380 VOLT, 60 HERTZ

SMCS-4450 **i01645572**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-7584*	1	GENERATOR GP	609
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

130-7570 GENERATOR AR

S/N: 9DR4432-UP
380 VOLT, 60 HERTZ

SMCS-4450 **i01645617**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-7585*	1	GENERATOR GP	611
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS	
	2K-3219	2	SCREW-DRIVE	
			INSTALL GENERATOR SERIAL NUMBER PLATE	

Y-SEPARATE ILLUSTRATION

<END>

130-7571 GENERATOR AR

S/N: 8ER3559-UP
380 VOLT, 60 HERTZ

SMCS-4450 **i01645620**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-7586*	1	GENERATOR GP	613
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMERCONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

130-7572 GENERATOR AR

S/N: 8ER3559-UP
380 VOLT, 60 HERTZ

SMCS-4450 **i01645622**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-7587*	1	GENERATOR GP	615
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERFOOT USING 2K3219 DRIVE SCREWSATOR)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

130-7573 GENERATOR AR

S/N: 9CR2744-UP
380 VOLT, 60 HERTZ

SMCS-4450 **i01645623**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-7588*	1	GENERATOR GP	617
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

130-7574 GENERATOR AR

S/N: 9CR2744-UP
380 VOLT, 60 HERTZ

SMCS-4450 **i01645626**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*130-7589*	1	GENERATOR GP	619
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHESFROM REAR & TOP OF GENERATOR)	
	139-9026	1	FILM (GENERATOR WIRING)	
			(INSTALL INSIDE OF GENERATOR TERMINAL BOX SIDE PANEL)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

142-4934 GENERATOR AR

S/N: 9DR4432-UP
240-480 VOLT, 60 HERTZ

SMCS-4450 **i01645634**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*129-5035*	1	CONNECTION GP-GENERATOR LEADS	549
	7W-4445	2	FILM-WARNING (DANGER VOLTAGE)	
			(INSTALL ONE ON RH & LH GENERATOR SIDE PANELS. LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)	
	4W-5138	1	FILM-SYMBOL (EARTH GROUND)	
			(INSTALL NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)	
	142-4935	1	GENERATOR GP	
	1W-7848	1	PLATE-SERIAL NUMBER (ENGLISH)	
			(INSTALL ON THE FRONT OF RH GENERATOR FOOT USING 2K3219 DRIVE SCREWS)	
	2K-3219	2	SCREW-DRIVE	
			(INSTALL GENERATOR SERIAL NUMBER PLATE)	

Y-SEPARATE ILLUSTRATION

<END>

GENERATORS

129-1502 GENERATOR GP

S/N: 9DR4432-UP

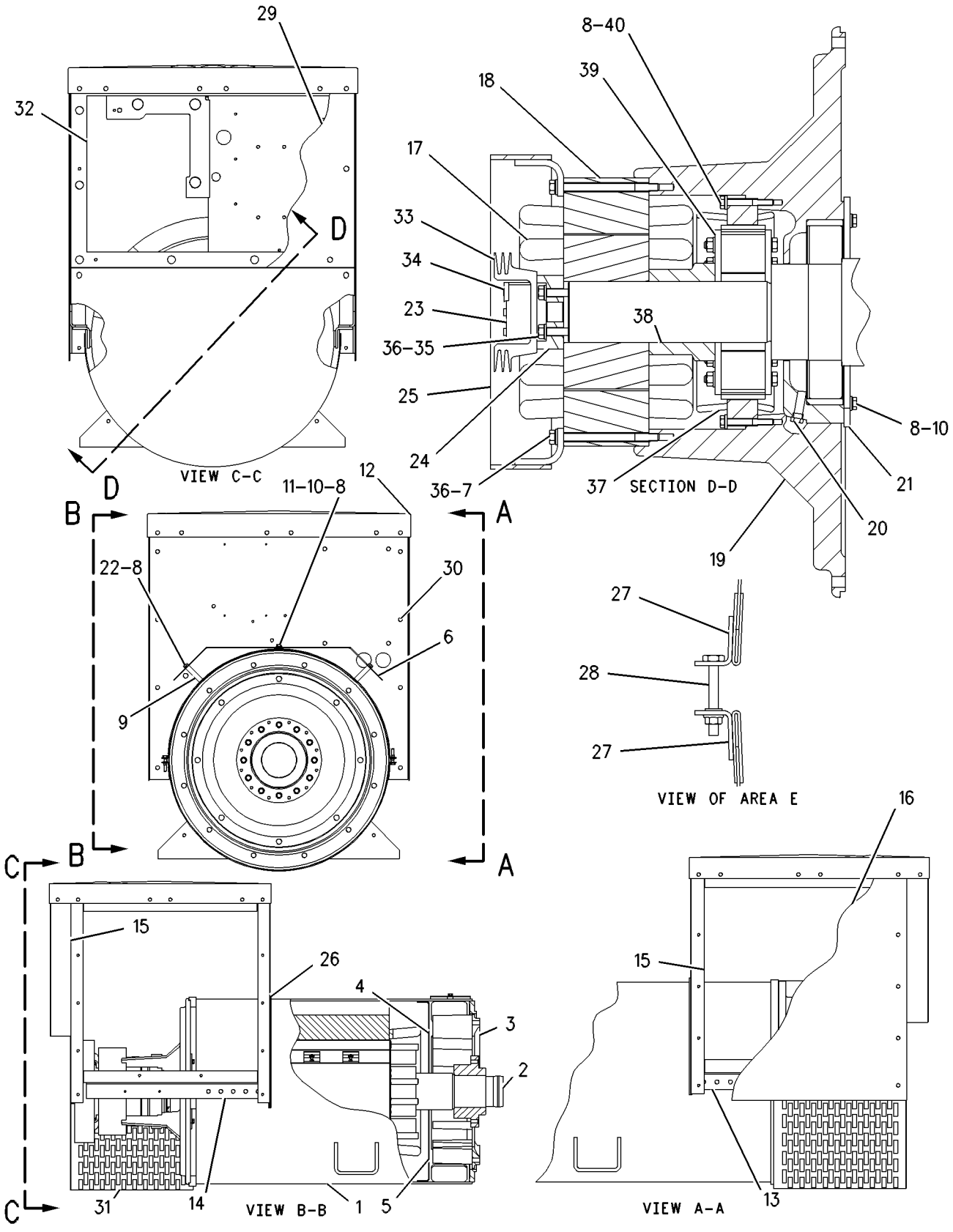
PART OF 129-1478 GENERATOR AR

SMCS-4450 **i01653344**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5201**	1	STATOR AS	
Y	2	1	**110-3403**	1	ROTOR AS	635
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

129-1502 **GENERATOR GP** *(contd.)* **i01653344**



GRAPHIC #1 **<END>** g00285762

GENERATORS

129-1503 GENERATOR GP

S/N: 9DR4432-UP

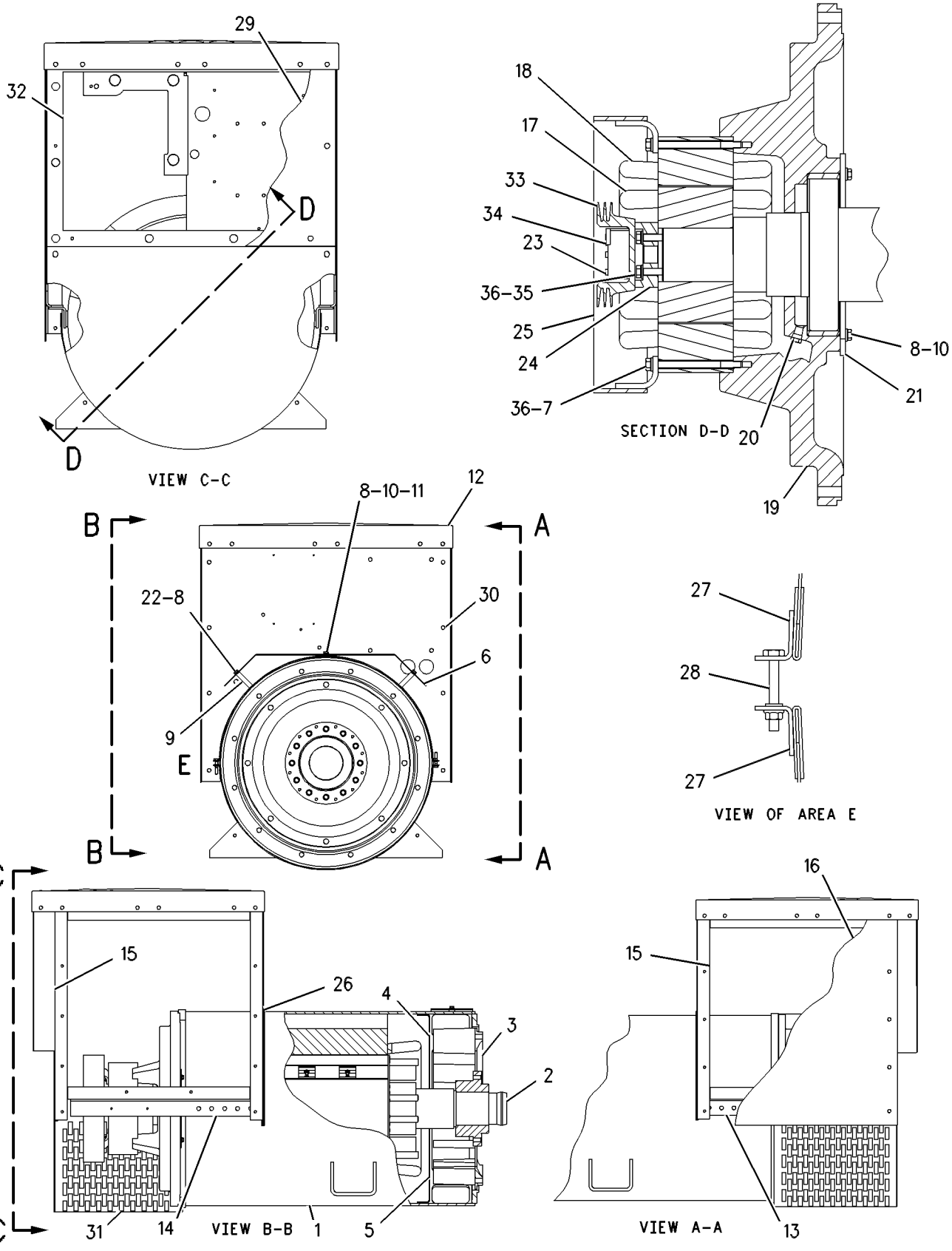
PART OF 129-1479 GENERATOR AR

SMCS-4450 **i01493235**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5201**	1	STATOR AS	
Y	2	1	**131-6181**	1	ROTOR AS	639
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	

Y-SEPARATE ILLUSTRATION

129-1503 **GENERATOR GP** *(contd.)* **i01493235**



GRAPHIC #1 **<END>** g00285761

GENERATORS

129-1504 GENERATOR GP

S/N: 9DR4432-UP

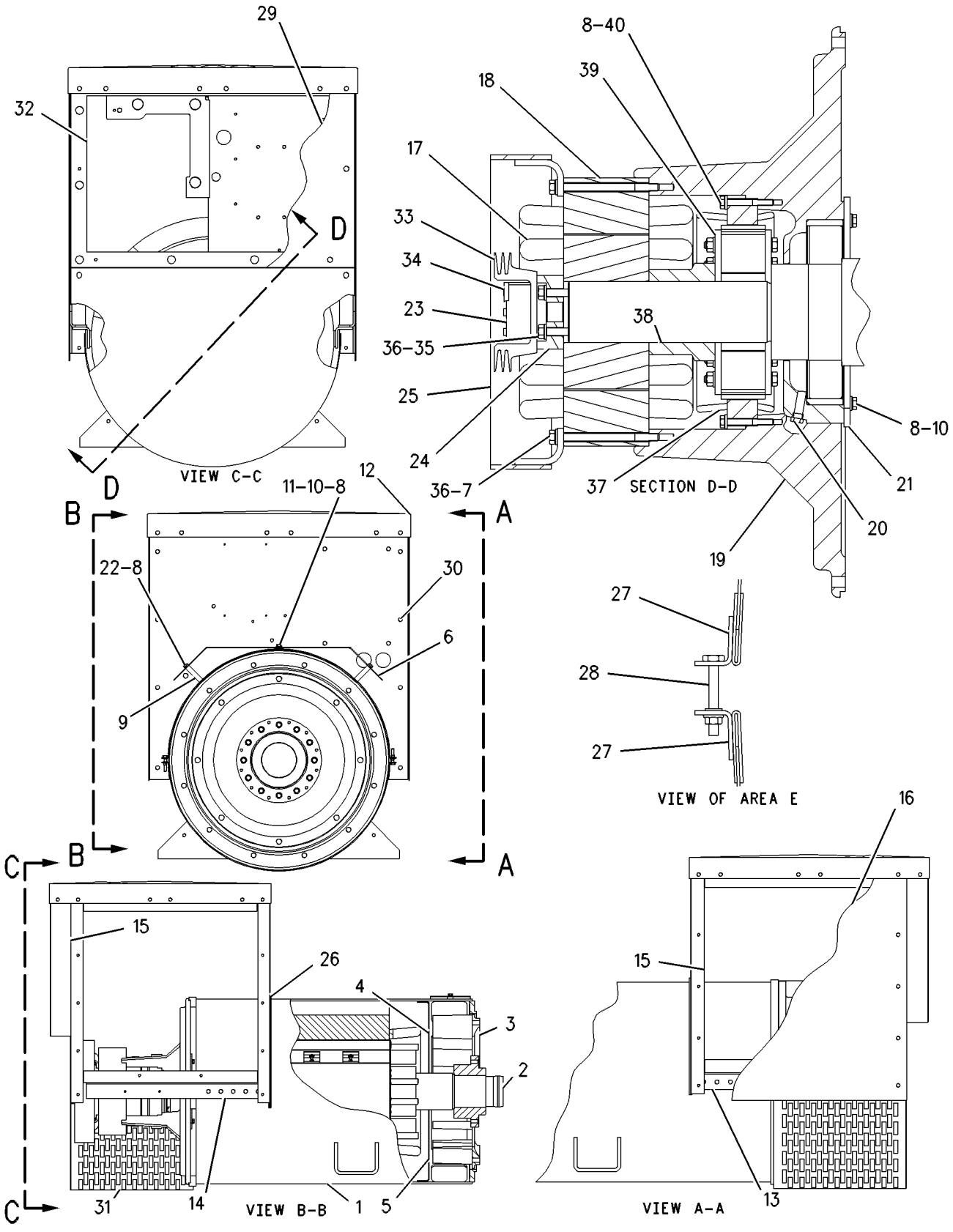
PART OF 129-1480 GENERATOR AR

SMCS-4450 **i01653347**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5201**	1	STATOR AS	
Y	2	1	**110-3403**	1	ROTOR AS	635
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

129-1504 **GENERATOR GP** *(contd.)* **i01653347**



GRAPHIC #1 **<END>** g00285762

GENERATORS

129-1505 GENERATOR GP

S/N: 9DR4432-UP

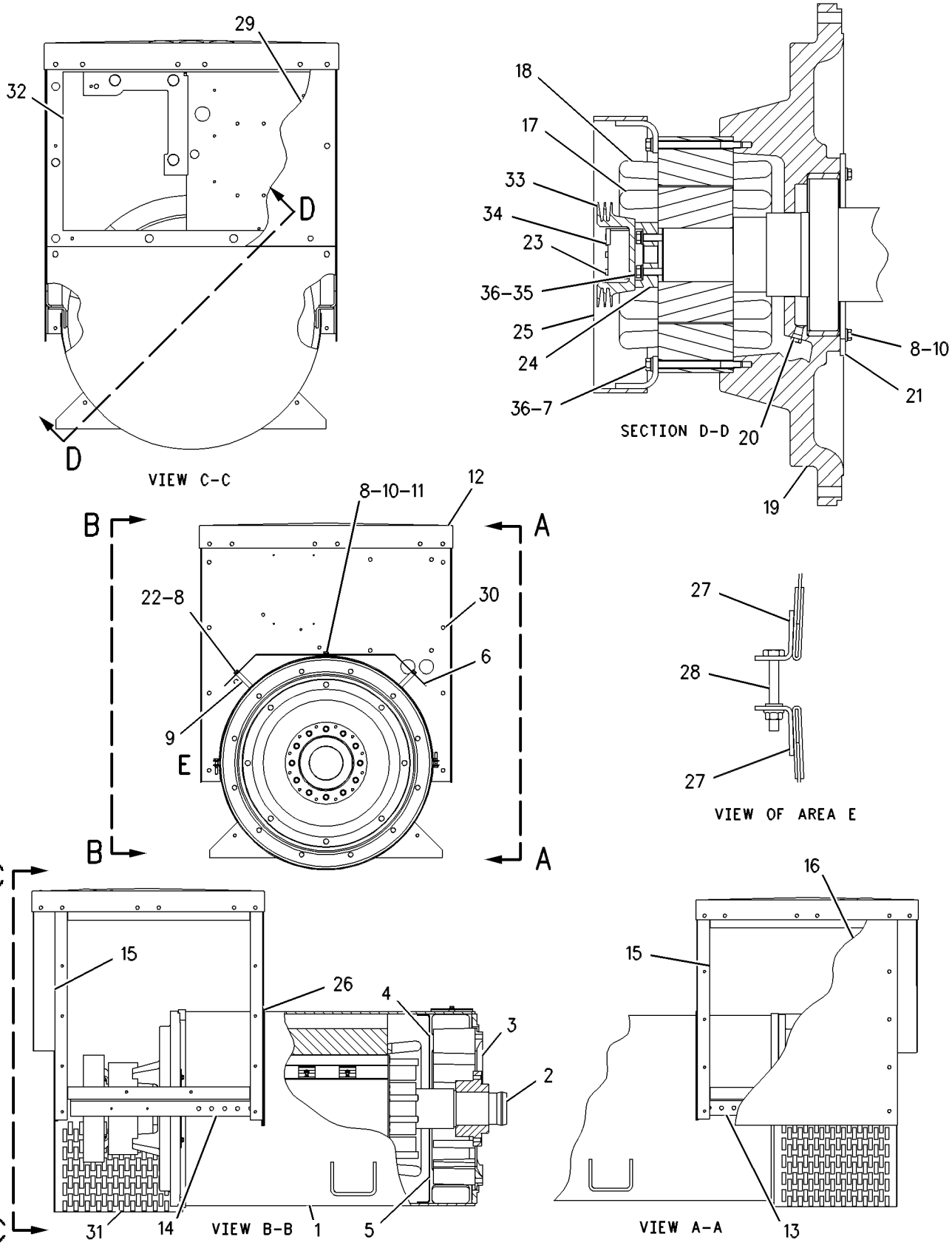
PART OF 129-1481 GENERATOR AR

SMCS-4450 **i01493240**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-4268**	1	STATOR AS	
Y	2	1	**131-6181**	1	ROTOR AS	639
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	

Y-SEPARATE ILLUSTRATION

129-1505 **GENERATOR GP** *(contd.)* **i01493240**



GRAPHIC #1 **<END>** g00285761

GENERATORS

129-1506 GENERATOR GP

S/N: 8ER3559-UP

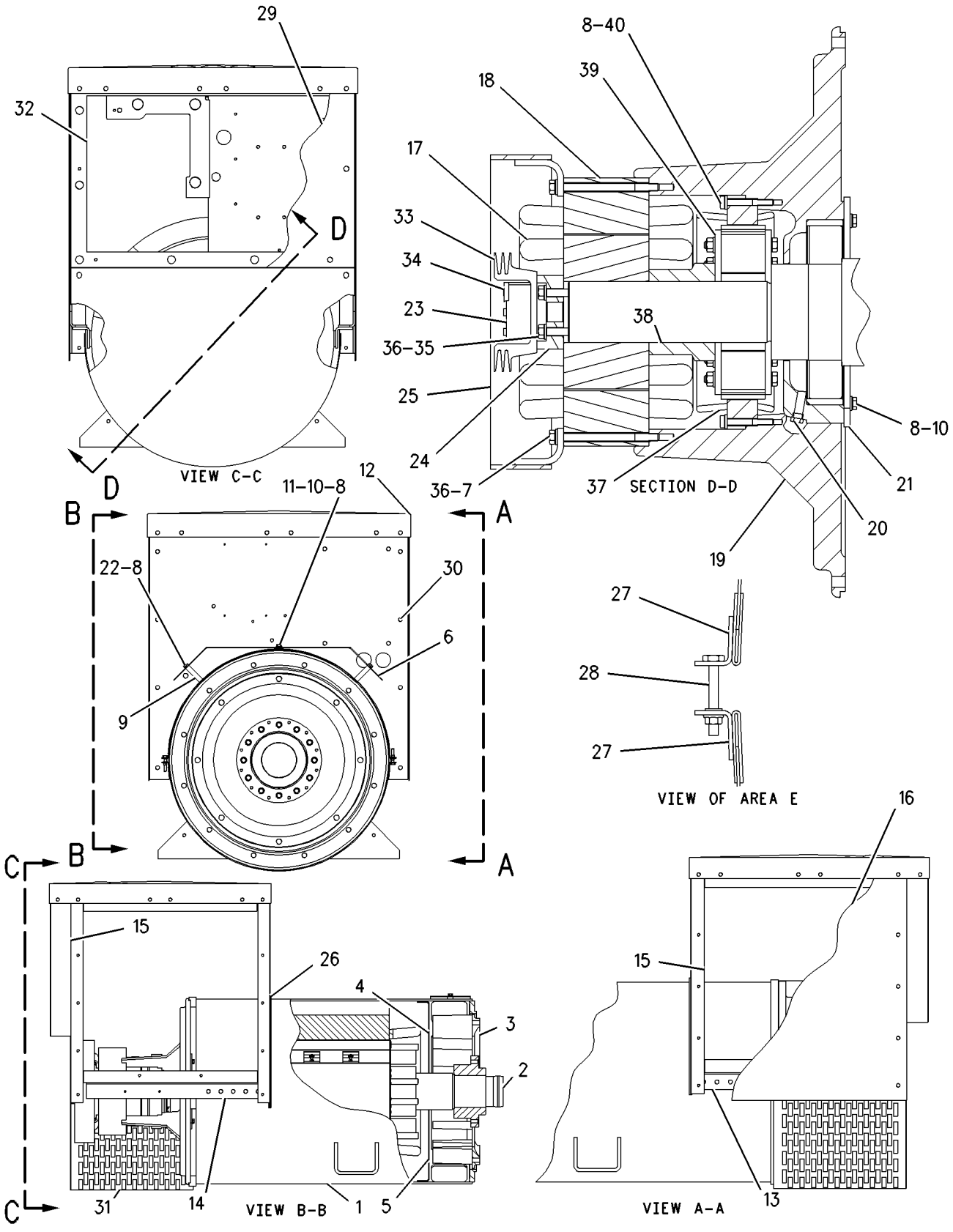
PART OF 129-1482 GENERATOR AR

SMCS-4450 **i01652823**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5204**	1	STATOR AS	
Y	2	1	**110-3402**	1	ROTOR AS	634
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

129-1506 **GENERATOR GP** *(contd.)* **i01652823**



GRAPHIC #1 **<END>** g00823146

GENERATORS

129-1507 GENERATOR GP

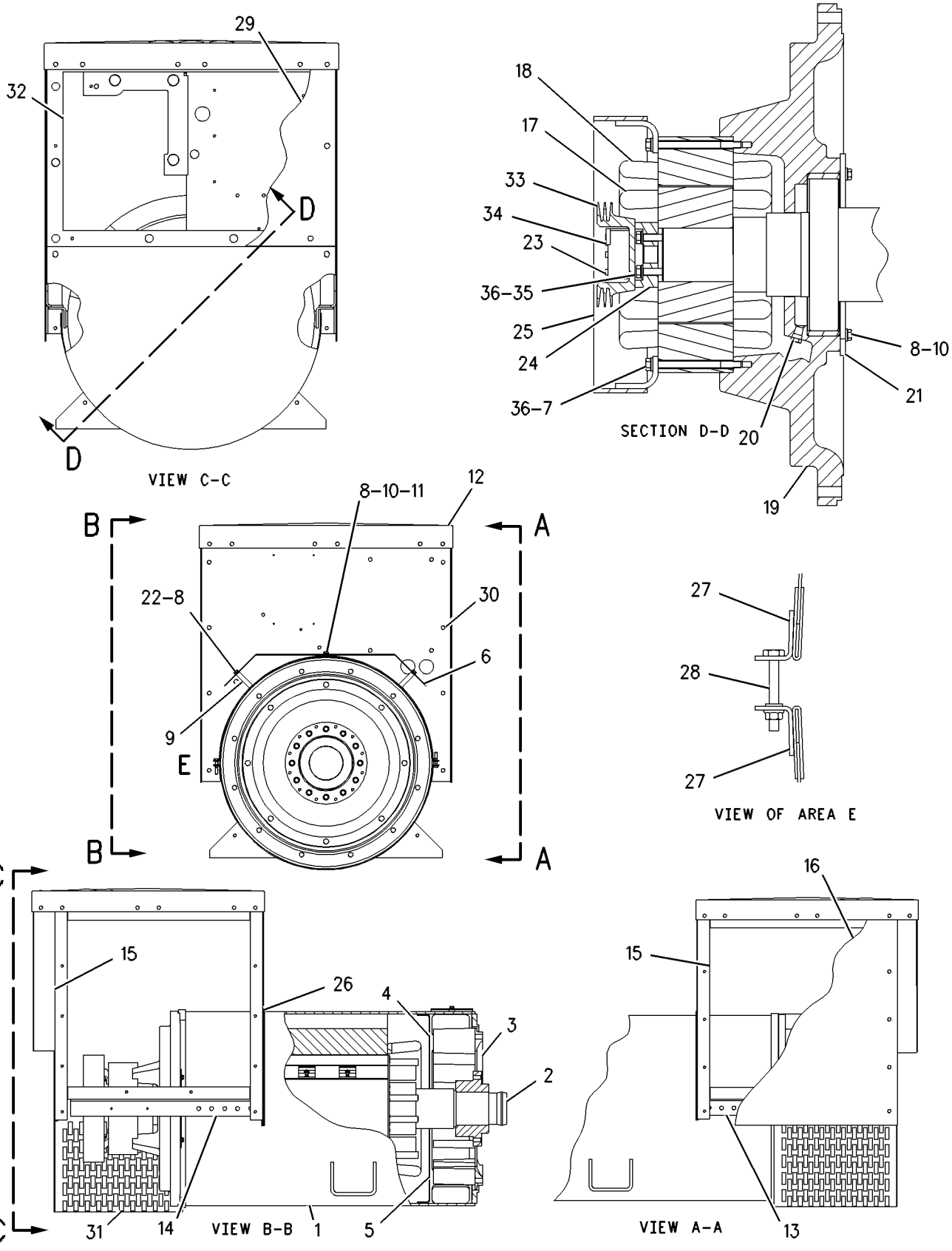
S/N: 8ER3559-UP

PART OF 129-1483 GENERATOR AR

SMCS-4450 **i00706864**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5204**	1	STATOR AS	
Y	2	1	**131-6180**	1	ROTOR AS	638
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00281774

GENERATORS

129-1508 GENERATOR GP

S/N: 8ER3559-UP

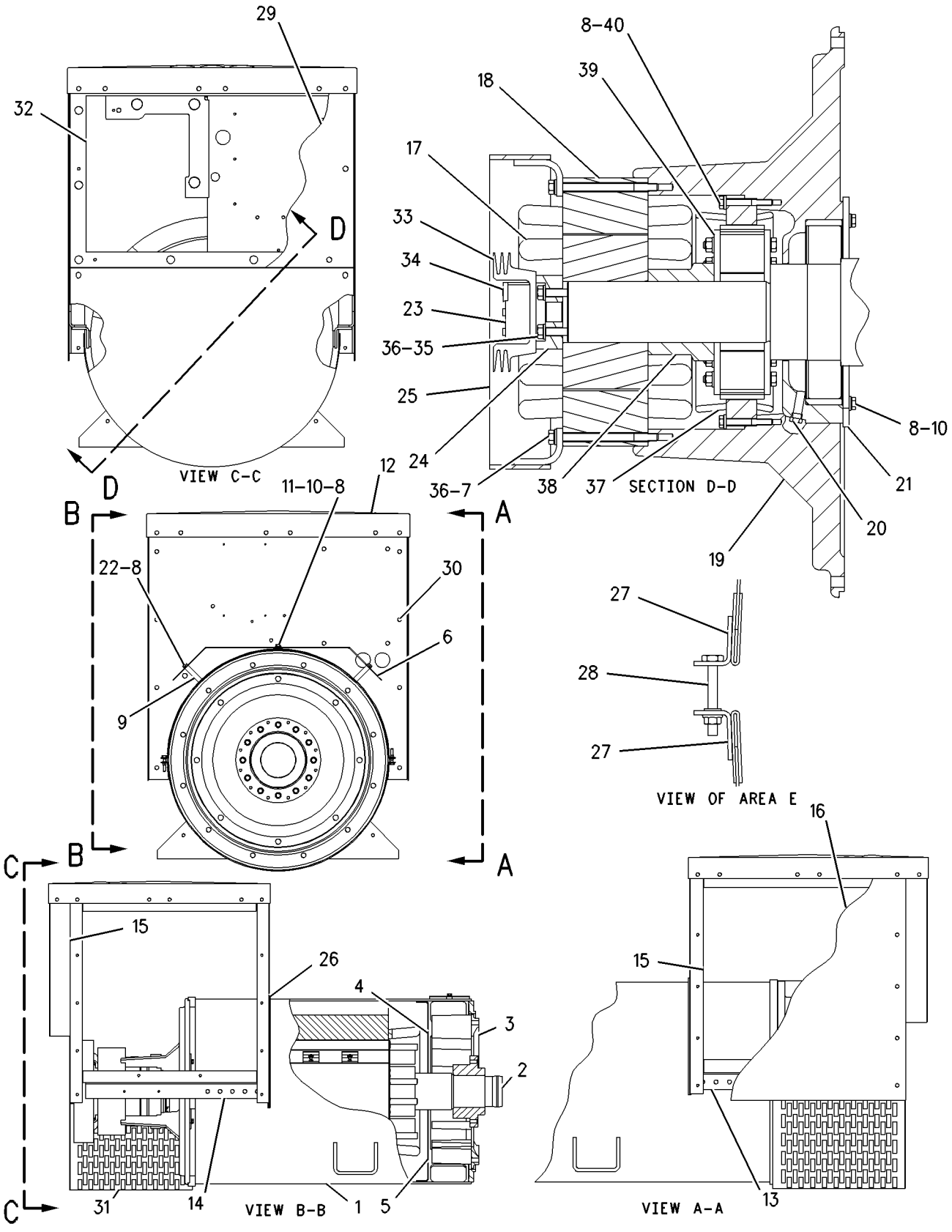
PART OF 129-1484 GENERATOR AR

SMCS-4450 **i01652890**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-9148**	1	STATOR AS	
Y	2	1	**110-3402**	1	ROTOR AS	634
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

129-1508 **GENERATOR GP** *(contd.)* **i01652890**



GRAPHIC #1 **<END>** g00818438

GENERATORS

129-1509 GENERATOR GP

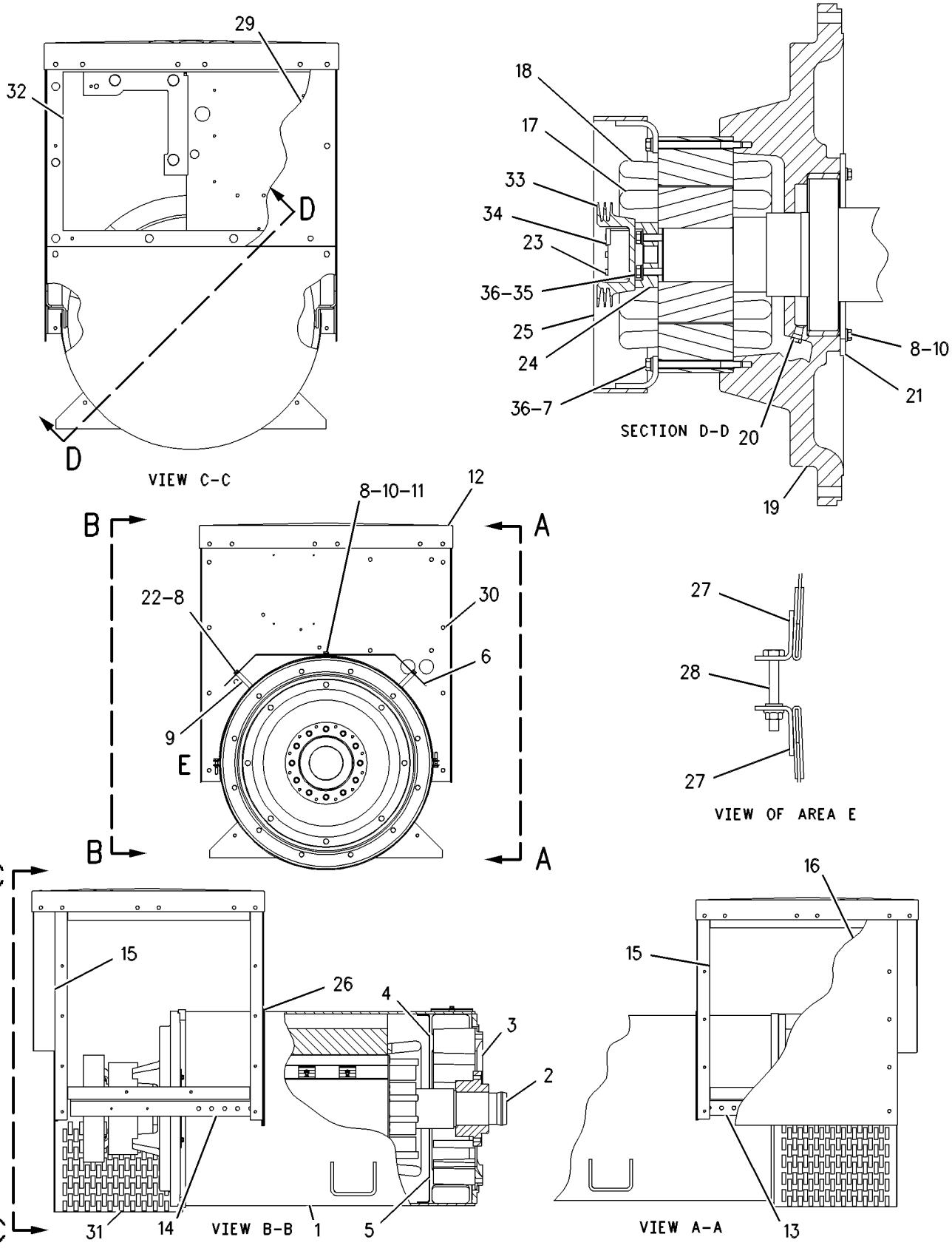
S/N: 8ER3559-UP

PART OF 129-1485 GENERATOR AR

SMCS-4450 **i00706900**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-9148**	1	STATOR AS	
Y	2	1	**131-6180**	1	ROTOR AS	638
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00281776

GENERATORS

129-1510 GENERATOR GP

S/N: 9CR2744-UP

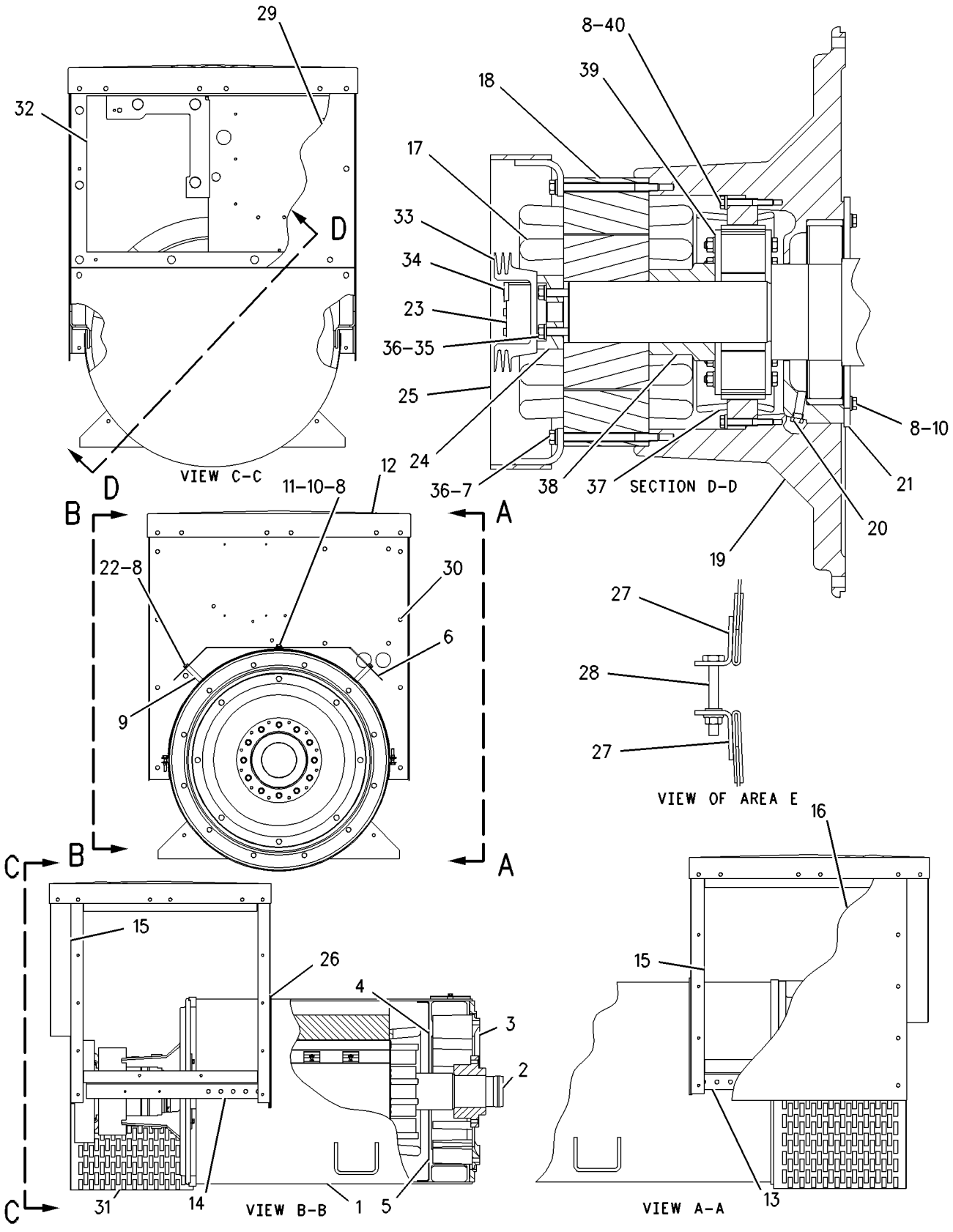
PART OF 129-1486 GENERATOR AR

SMCS-4450 **i01653118**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5207**	1	STATOR AS	
Y	2	1	**110-3404**	1	ROTOR AS	636
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

129-1510 **GENERATOR GP** *(contd.)* **i01653118**



GRAPHIC #1 **<END>** g00818438

GENERATORS

129-1511 GENERATOR GP

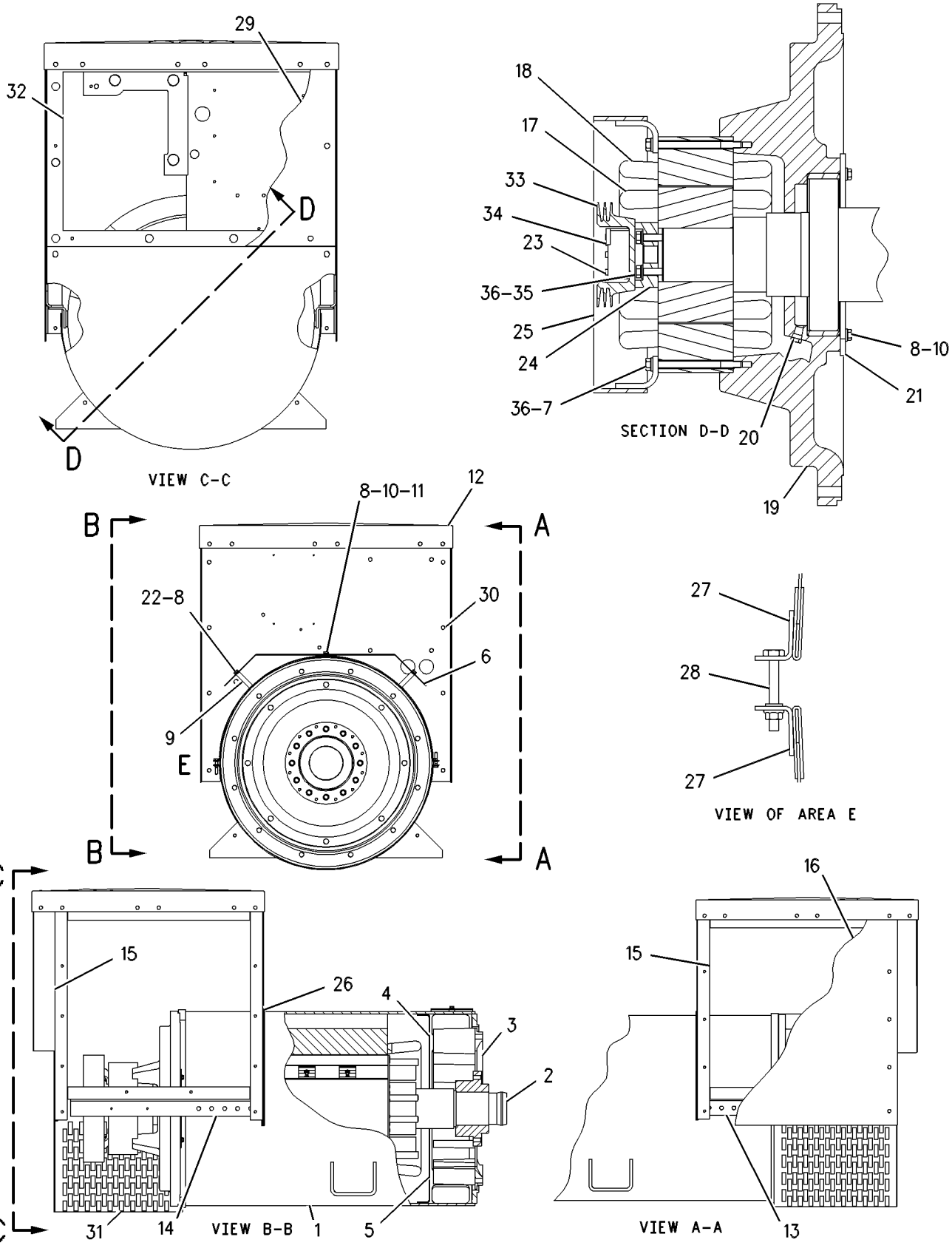
S/N: 9CR2744-UP

PART OF 129-1487 GENERATOR AR

SMCS-4450 **i00706912**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5207**	1	STATOR AS	
Y	2	1	**131-6179**	1	ROTOR AS	637
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00281778

GENERATORS

129-1512 GENERATOR GP

S/N: 9CR2744-UP

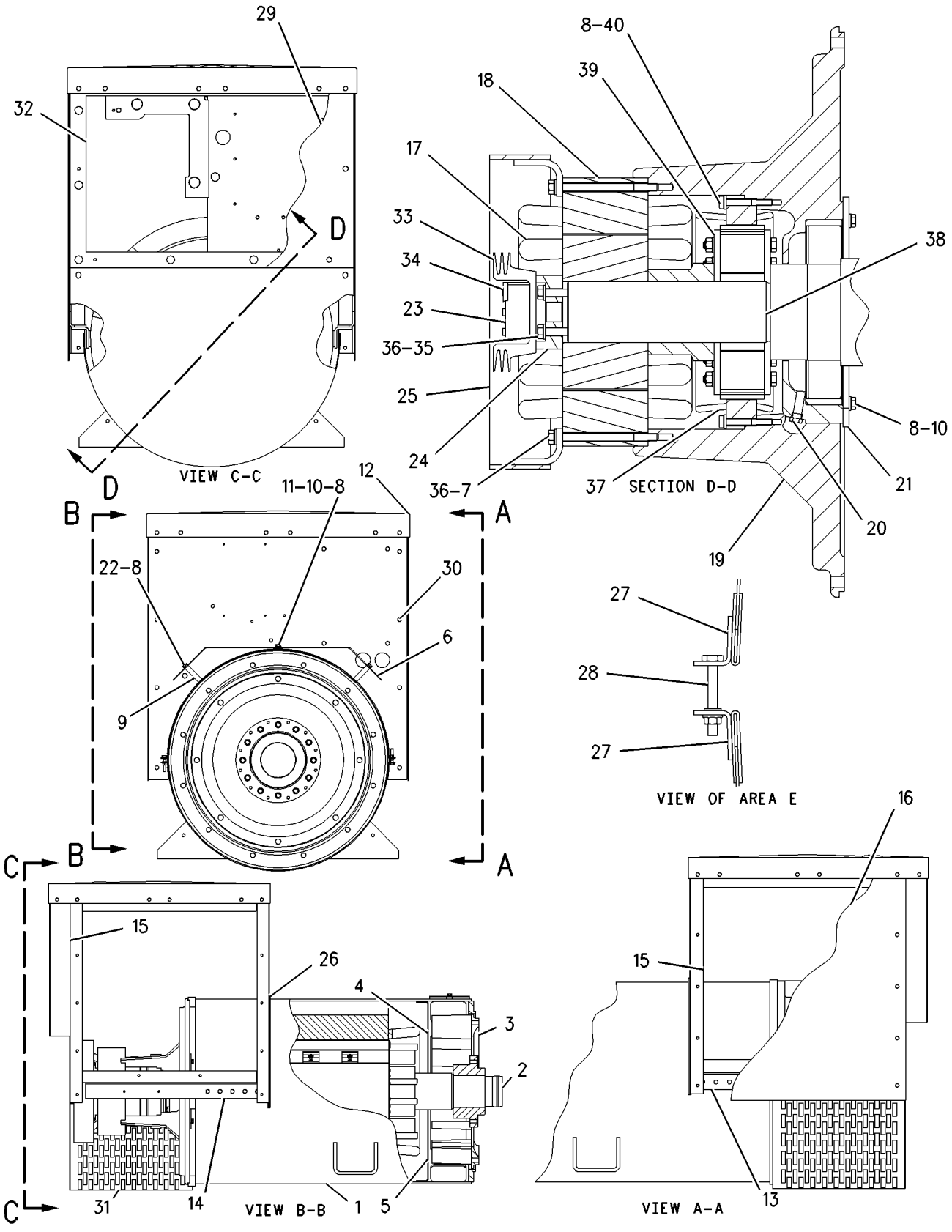
PART OF 129-1488 GENERATOR AR

SMCS-4450 **i01652786**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5208**	1	STATOR AS	
Y	2	1	**110-3404**	1	ROTOR AS	636
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

129-1512 **GENERATOR GP** *(contd.)* **i01652786**



GRAPHIC #1 **<END>** g00823134

GENERATORS

129-1513 GENERATOR GP

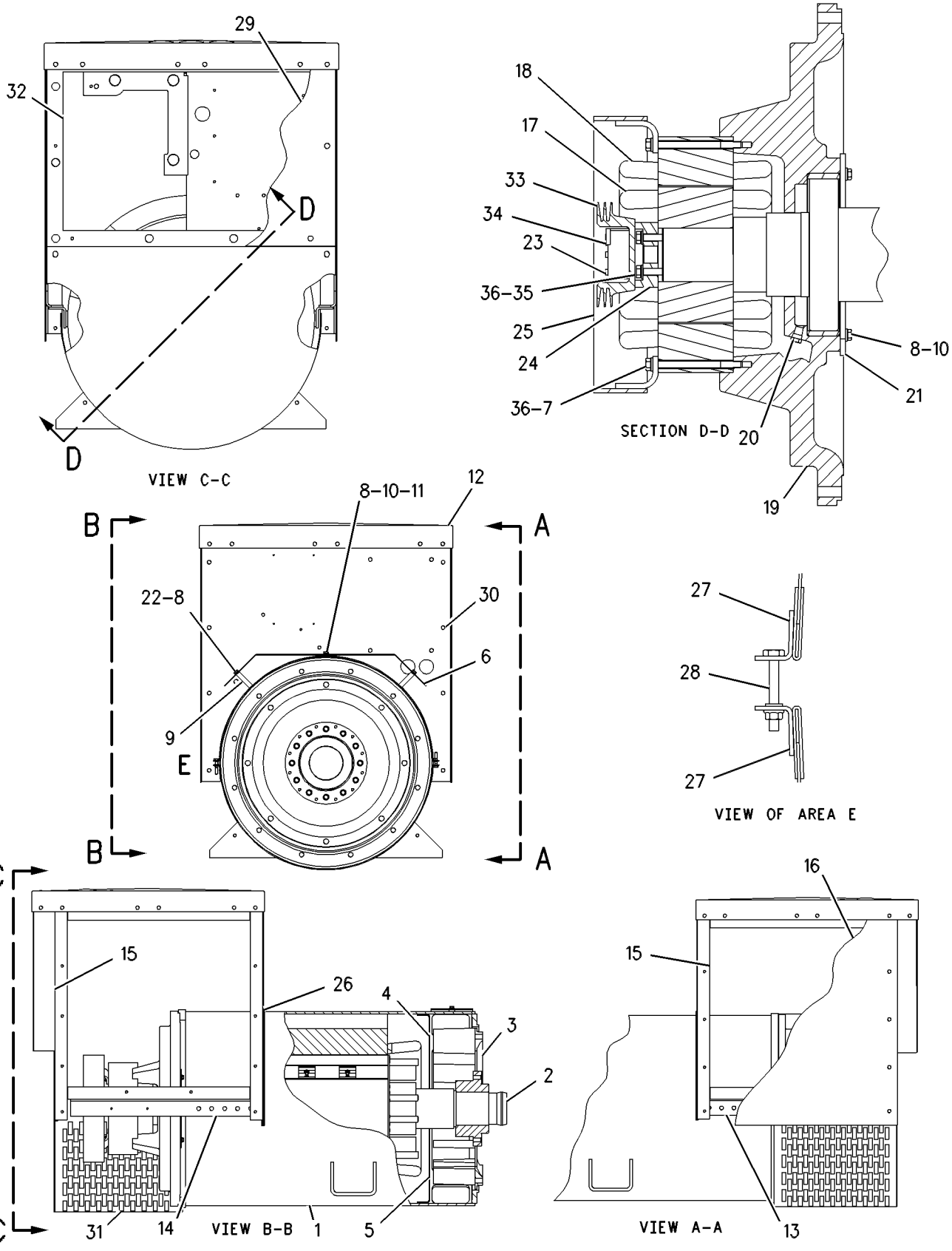
S/N: 9CR2744-UP

PART OF 129-1489 GENERATOR AR

SMCS-4450 **i00706916**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5208**	1	STATOR AS	
Y	2	1	**131-6179**	1	ROTOR AS	637
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00281780

GENERATORS

130-4719 GENERATOR GP

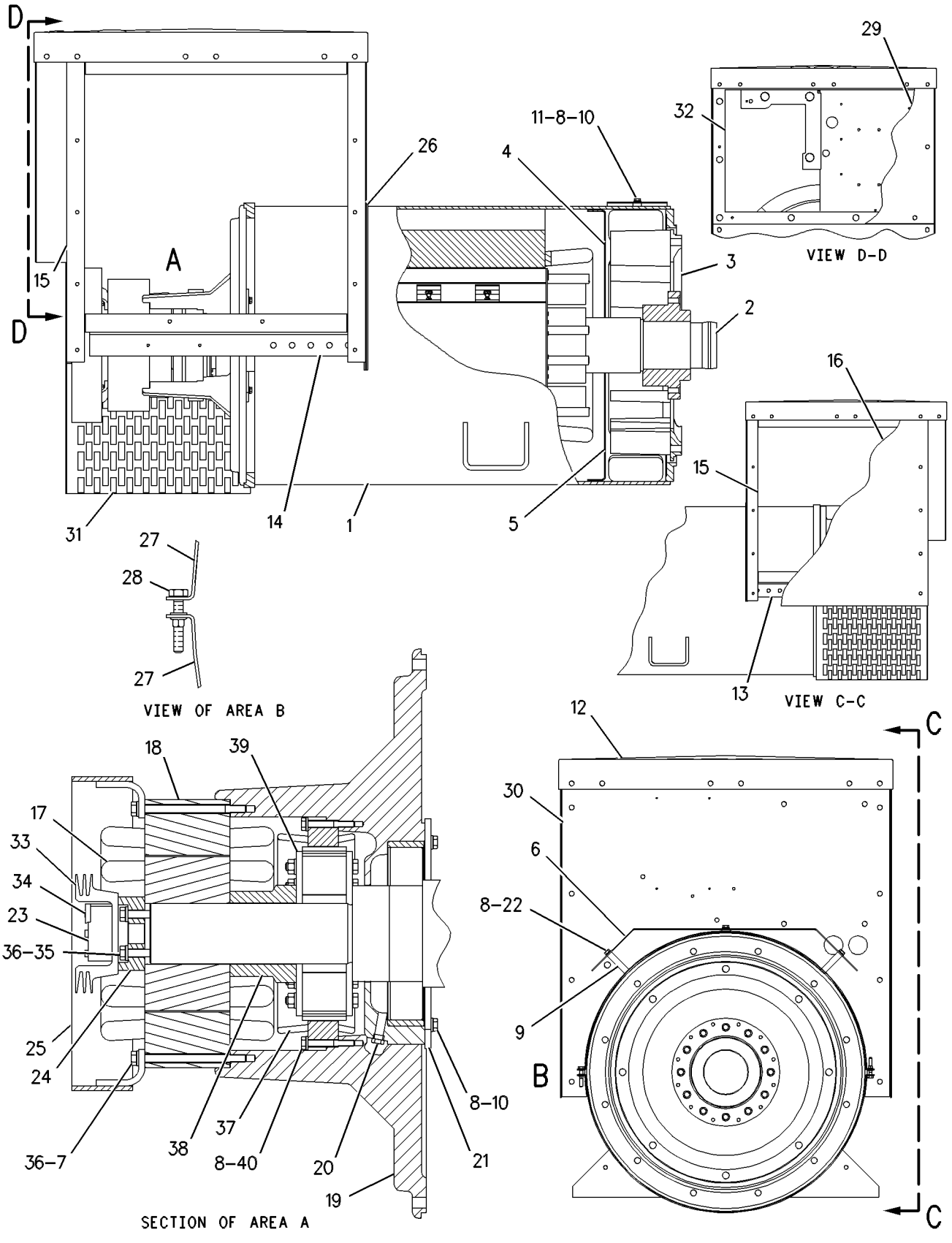
S/N: 9DR4432-UP

PART OF 130-4708 GENERATOR AR

SMCS-4450 **i01652842**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5200**	1	STATOR AS	
Y	2	1	**110-3403**	1	ROTOR AS	635
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
		1	**4F-8711**	2	PLUG-BUTTON (39.69MM DIA)	
		1	**5N-3174**	4	PLUG (8.63MM DIA)	
		1	**6K-9593**	1	PLUG-BUTTON	
		1	**8P-7065**	8	PLUG (10.414MM DIA)	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00286599

GENERATORS

130-4720 GENERATOR GP

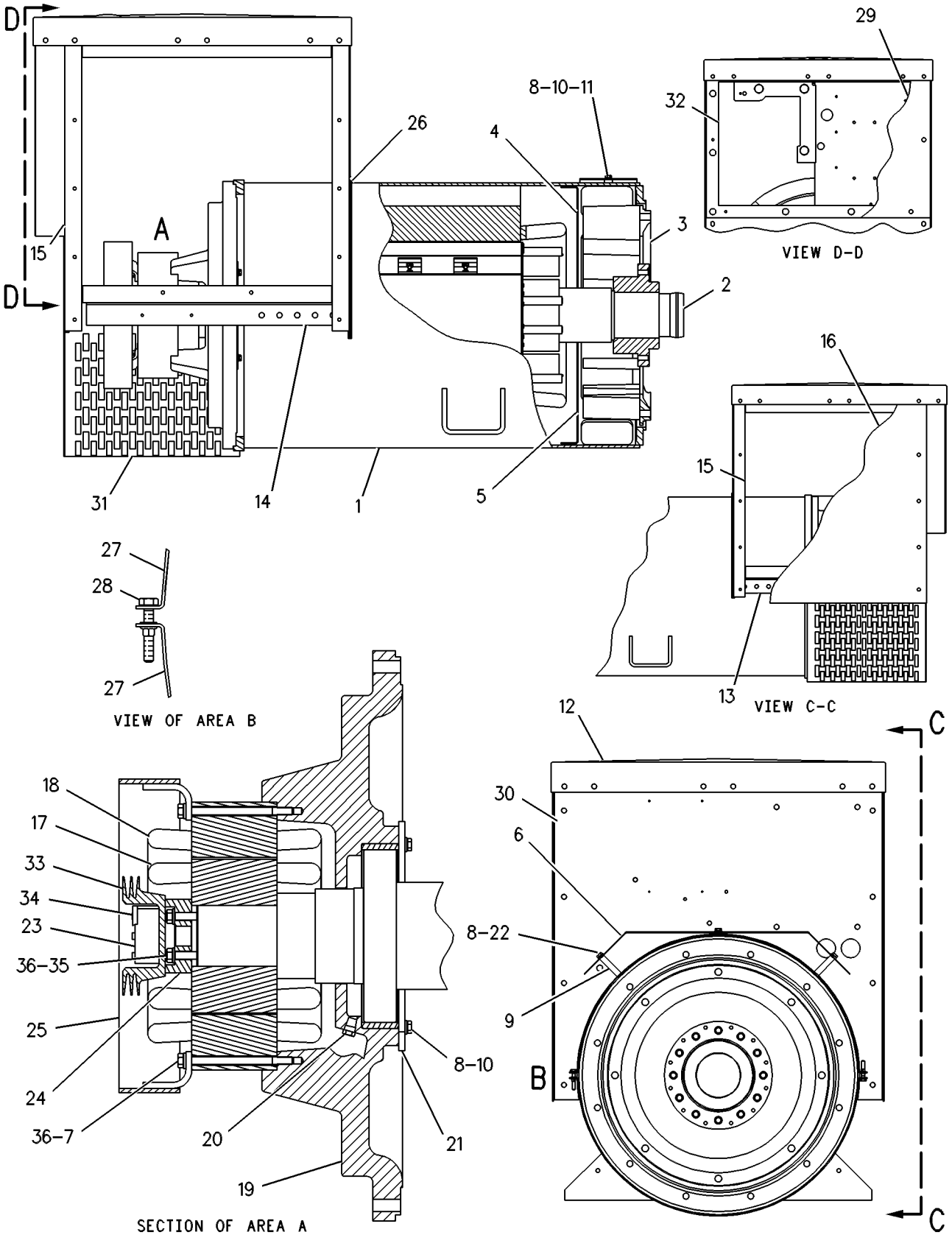
S/N: 9DR4432-UP

PART OF 130-4710 GENERATOR AR

SMCS-4450 **i01574001**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5200**	1	STATOR AS	
Y	2	1	**131-6181**	1	ROTOR AS	639
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
		1	**4F-8711**	2	PLUG-BUTTON	
		1	**5N-3174**	4	PLUG	
		1	**6K-9593**	1	PLUG-BUTTON	
		1	**8P-7065**	8	PLUG (10.414MM DIA)	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00286598

GENERATORS

130-4721 GENERATOR GP

S/N: 8ER3559-UP

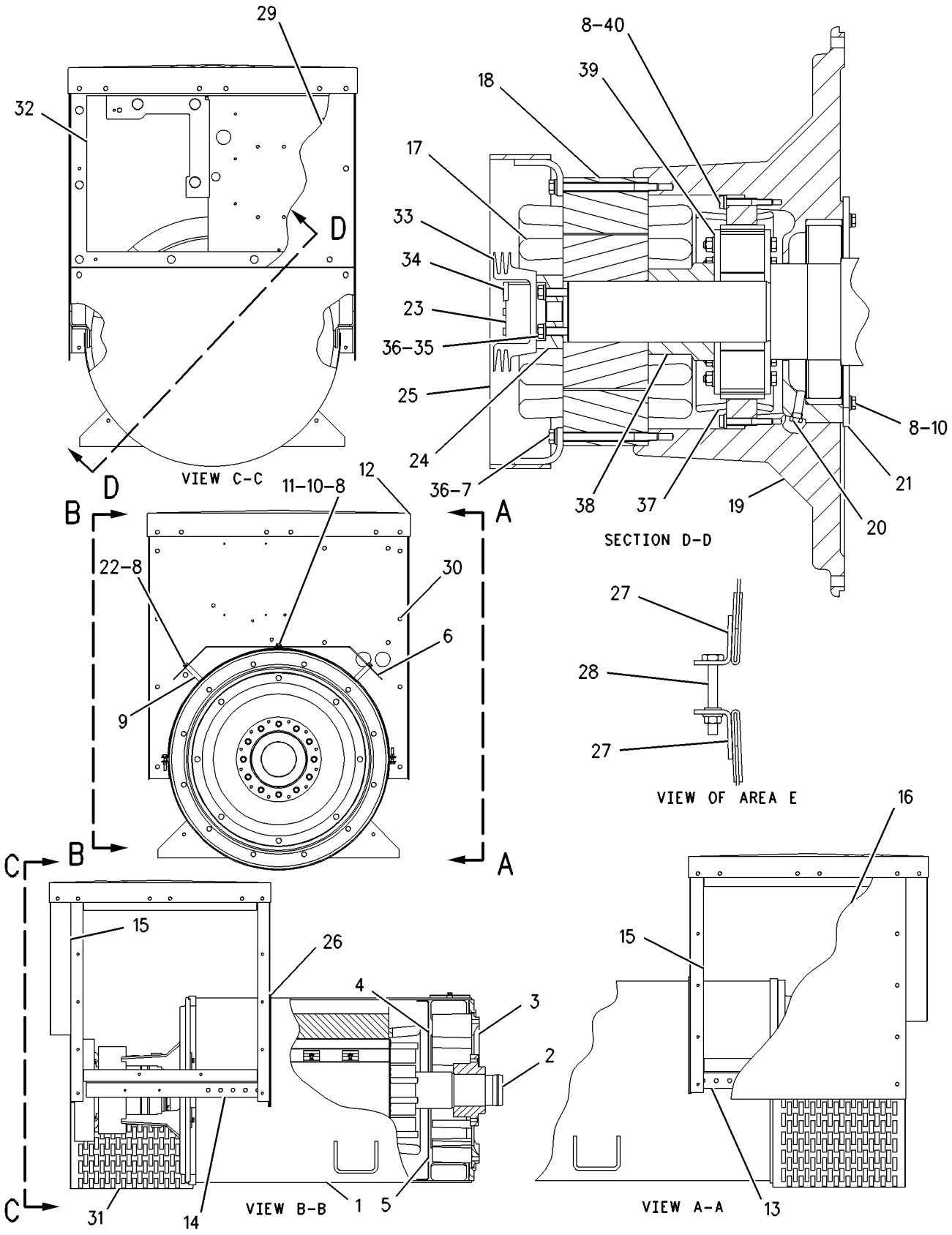
PART OF 130-4711 GENERATOR AR

SMCS-4450 **i01653313**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5203**	1	STATOR AS	
Y	2	1	**110-3402**	1	ROTOR AS	634
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

130-4721 **GENERATOR GP** *(contd.)* **i01653313**



GRAPHIC #1 **<END>** g00823117

GENERATORS

130-4722 GENERATOR GP

S/N: 8ER3559-UP

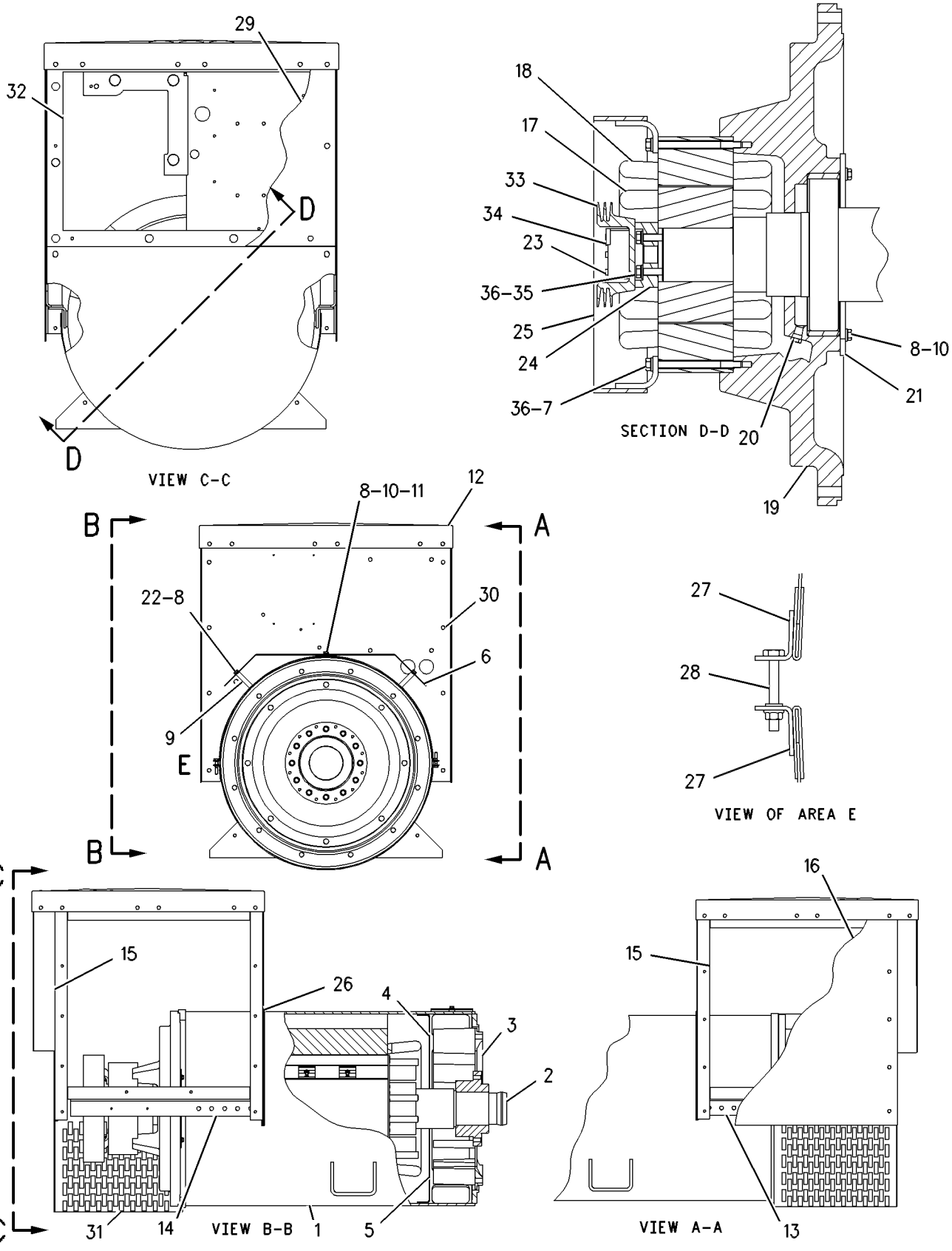
PART OF 130-4712 GENERATOR AR

SMCS-4450 **i00707010**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5203**	1	STATOR AS	
Y	2	1	**131-6180**	1	ROTOR AS	638
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION

130-4722 **GENERATOR GP** *(contd.)* **i00707010**



GRAPHIC #1 **<END>** g00285761

GENERATORS

130-4723 GENERATOR GP

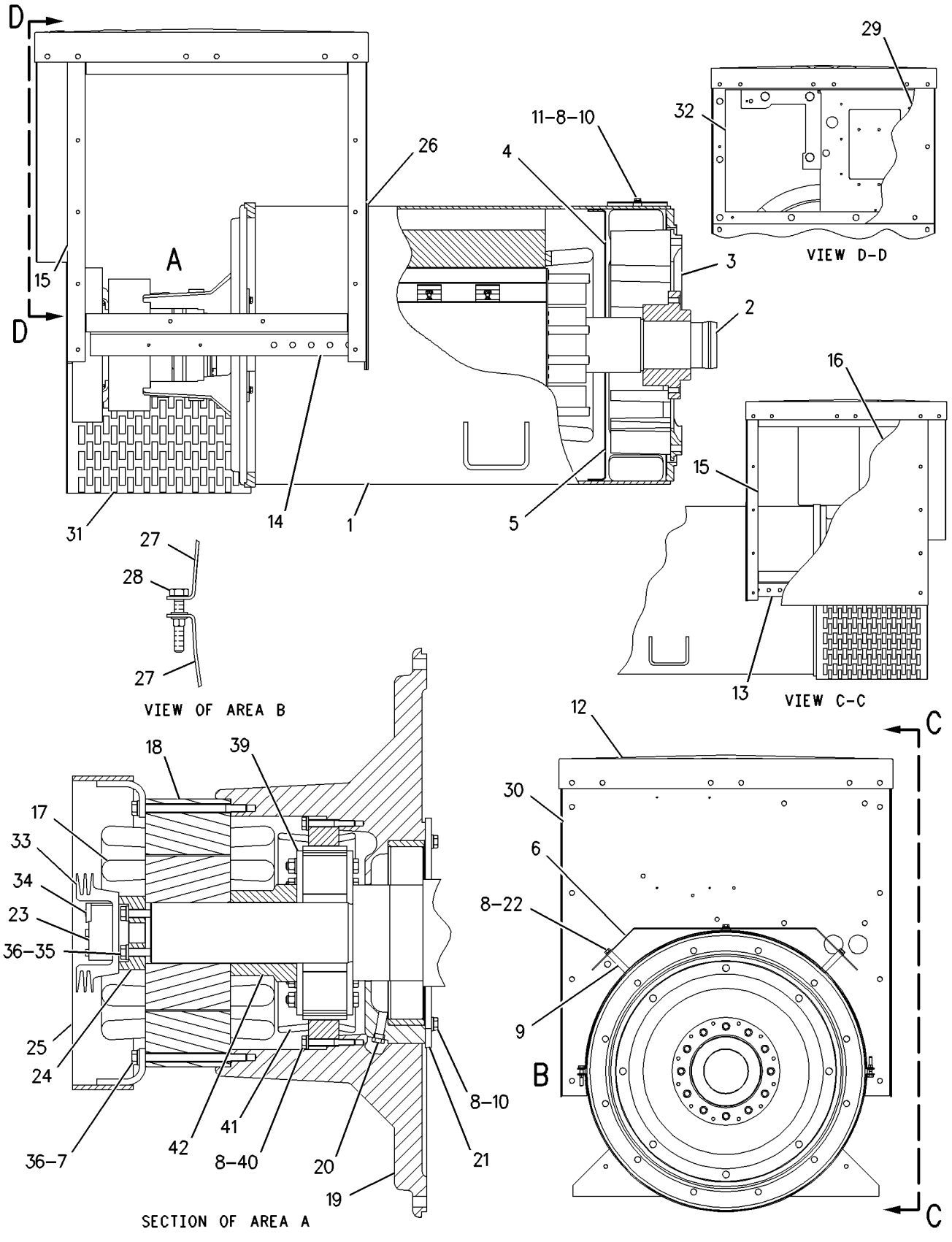
S/N: 9CR2744-UP

PART OF 130-4713 GENERATOR AR

SMCS-4450 **i01652846**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5206**	1	STATOR AS	
Y	2	1	**110-3404**	1	ROTOR AS	636
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
		1	**4F-8711**	2	PLUG-BUTTON (39.69MM DIA)	
		1	**5N-3174**	4	PLUG (8.63MM DIA)	
		1	**6K-9593**	1	PLUG-BUTTON	
		1	**8P-7065**	8	PLUG (10.414MM DIA)	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	
	41	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	42	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00810159

GENERATORS

130-4724 GENERATOR GP

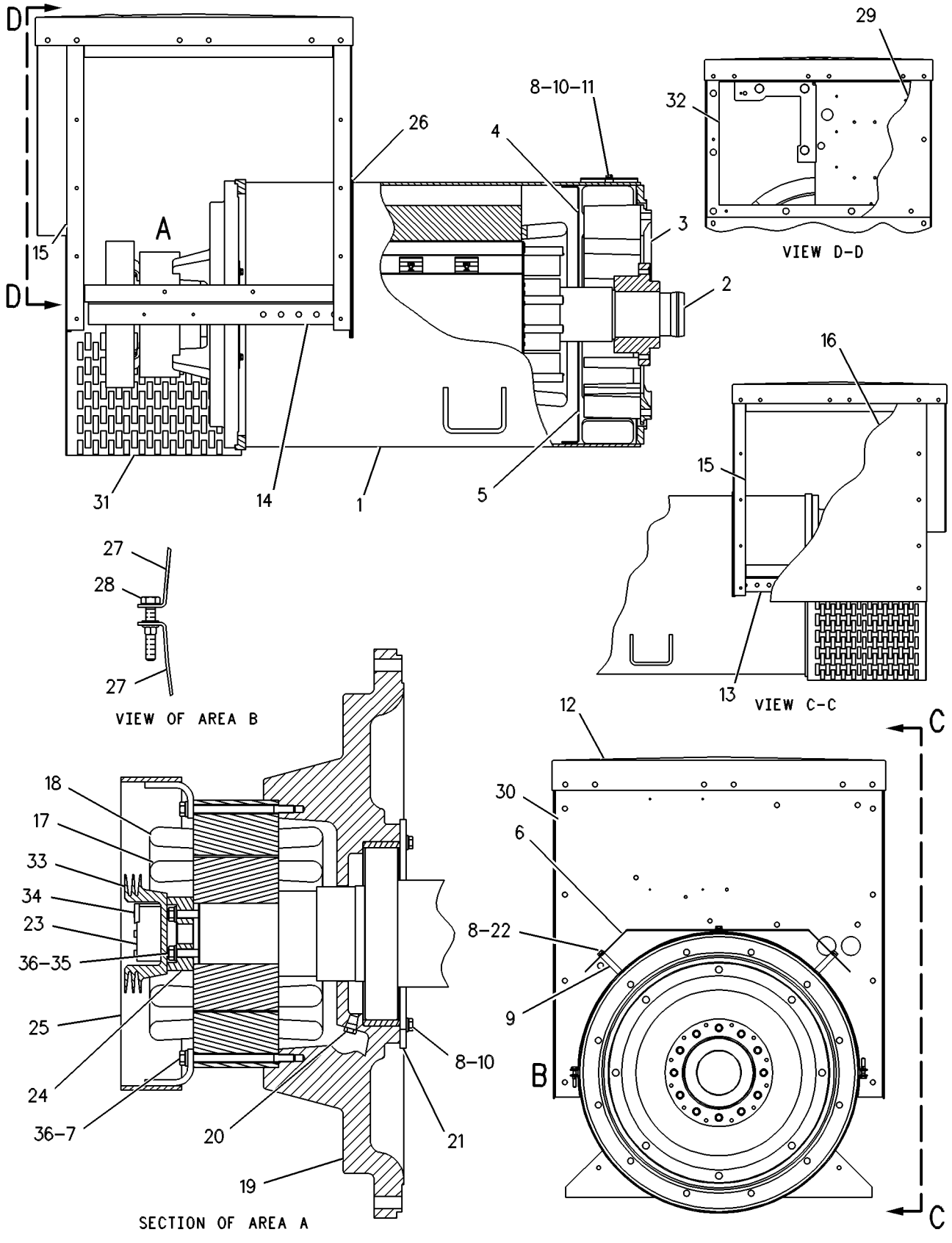
S/N: 9CR2744-UP

PART OF 130-4714 GENERATOR AR

SMCS-4450 **i01662288**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5206**	1	STATOR AS	
Y	2	1	**131-6179**	1	ROTOR AS	637
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
		1	**4F-8711**	2	PLUG	
		1	**5N-3174**	4	PLUG (8.63MM DIA)	
		1	**6K-9593**	1	PLUG-BUTTON	
		1	**8P-7065**	8	PLUG (10.414MM DIA)	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00286590

130-7584 GENERATOR GP

S/N: 9DR4432-UP

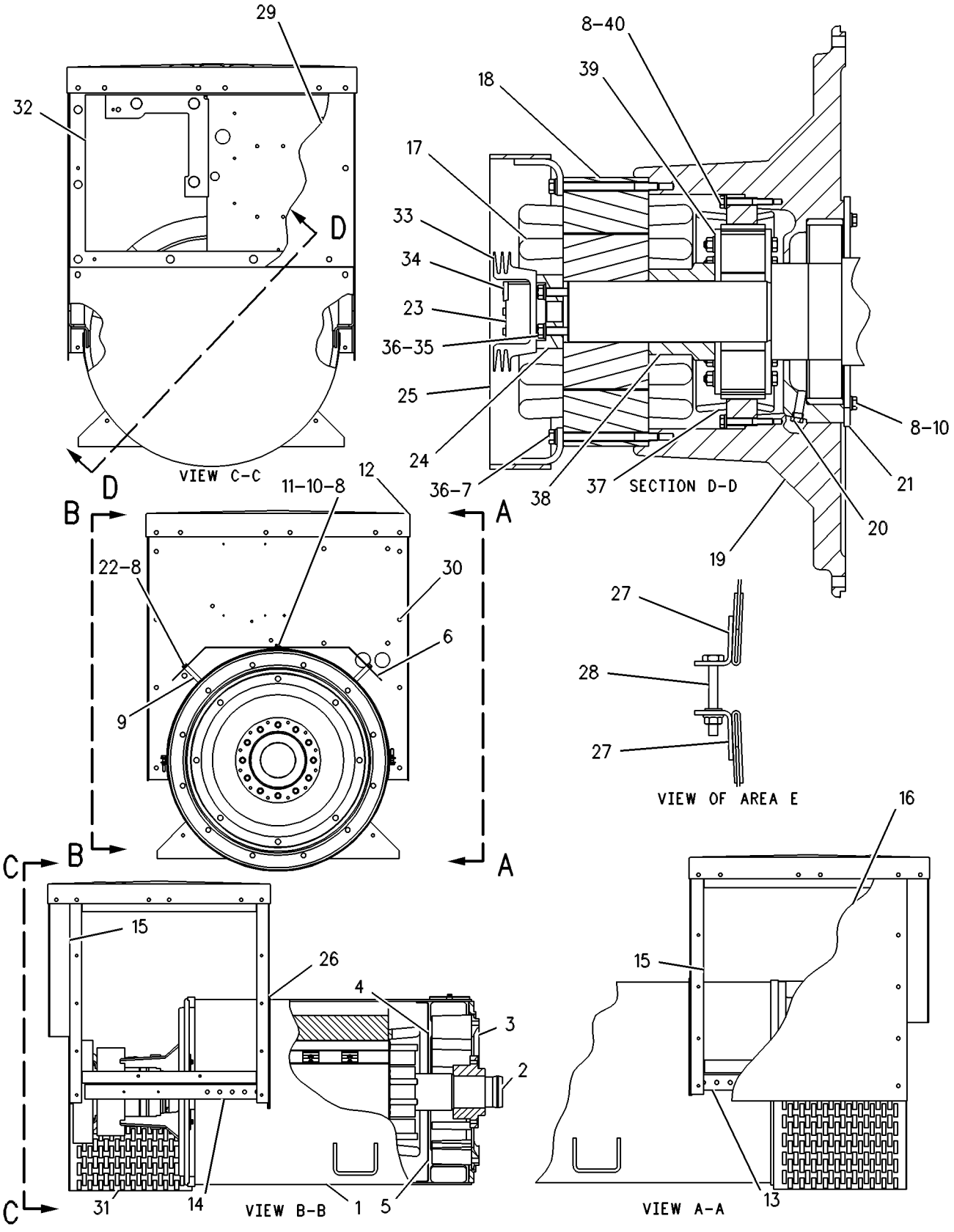
PART OF 130-7569 GENERATOR AR

SMCS-4450 **i01652894**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5202**	1	STATOR AS	
Y	2	1	**110-3403**	1	ROTOR AS	635
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

130-7584 **GENERATOR GP** *(contd.)* **i01652894**



GRAPHIC #1 **<END>** g00282793

GENERATORS

130-7585 GENERATOR GP

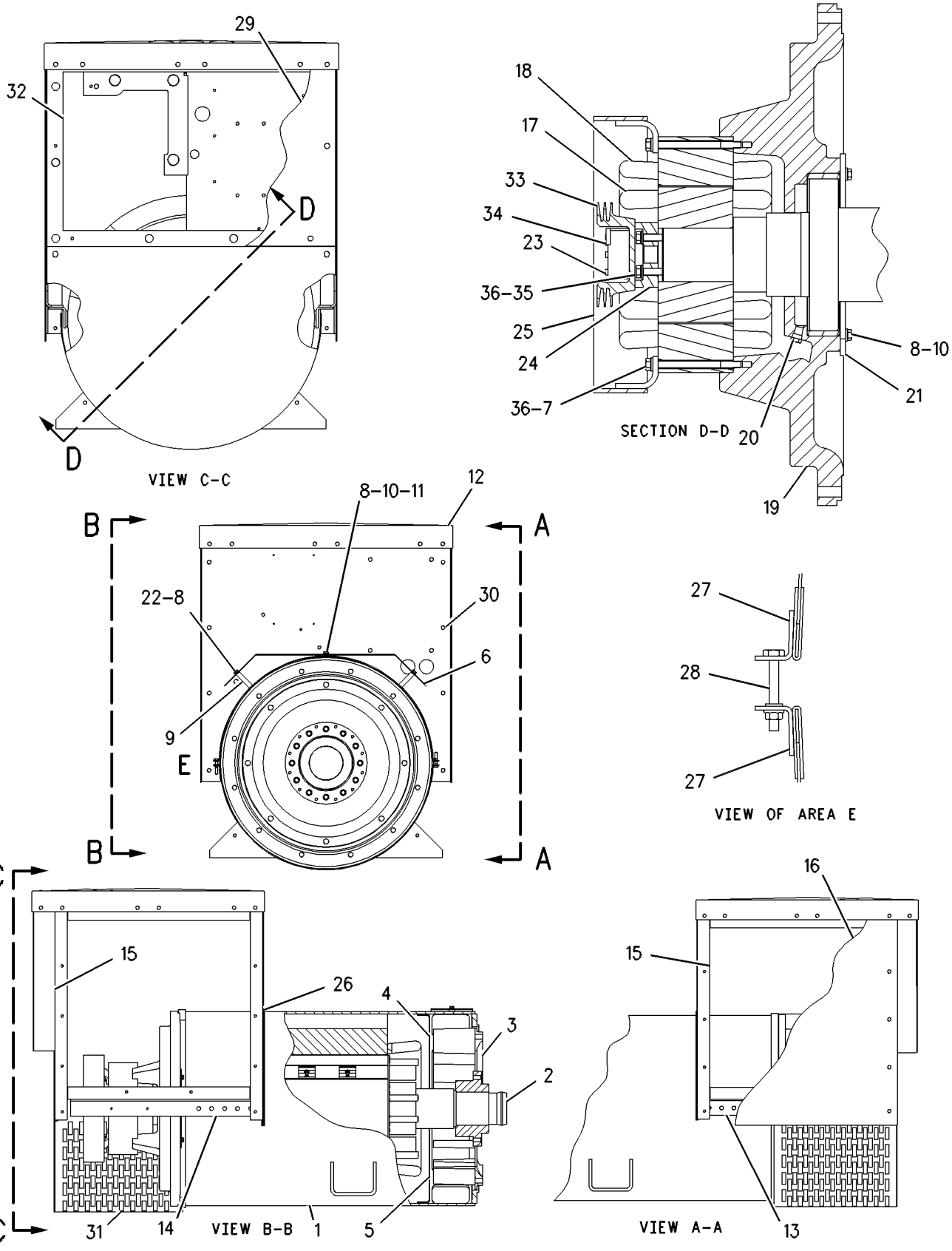
S/N: 9DR4432-UP

PART OF 130-7570 GENERATOR AR

SMCS-4450 **i01493225**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5202**	1	STATOR AS	
Y	2	1	**131-6181**	1	ROTOR AS	639
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**4P-4006**	1	DEFLECTOR	
	5	1	**4P-4007**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE	
	21	1	**6I-2737**	1	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00283271

GENERATORS

130-7586 GENERATOR GP

S/N: 8ER3559-UP

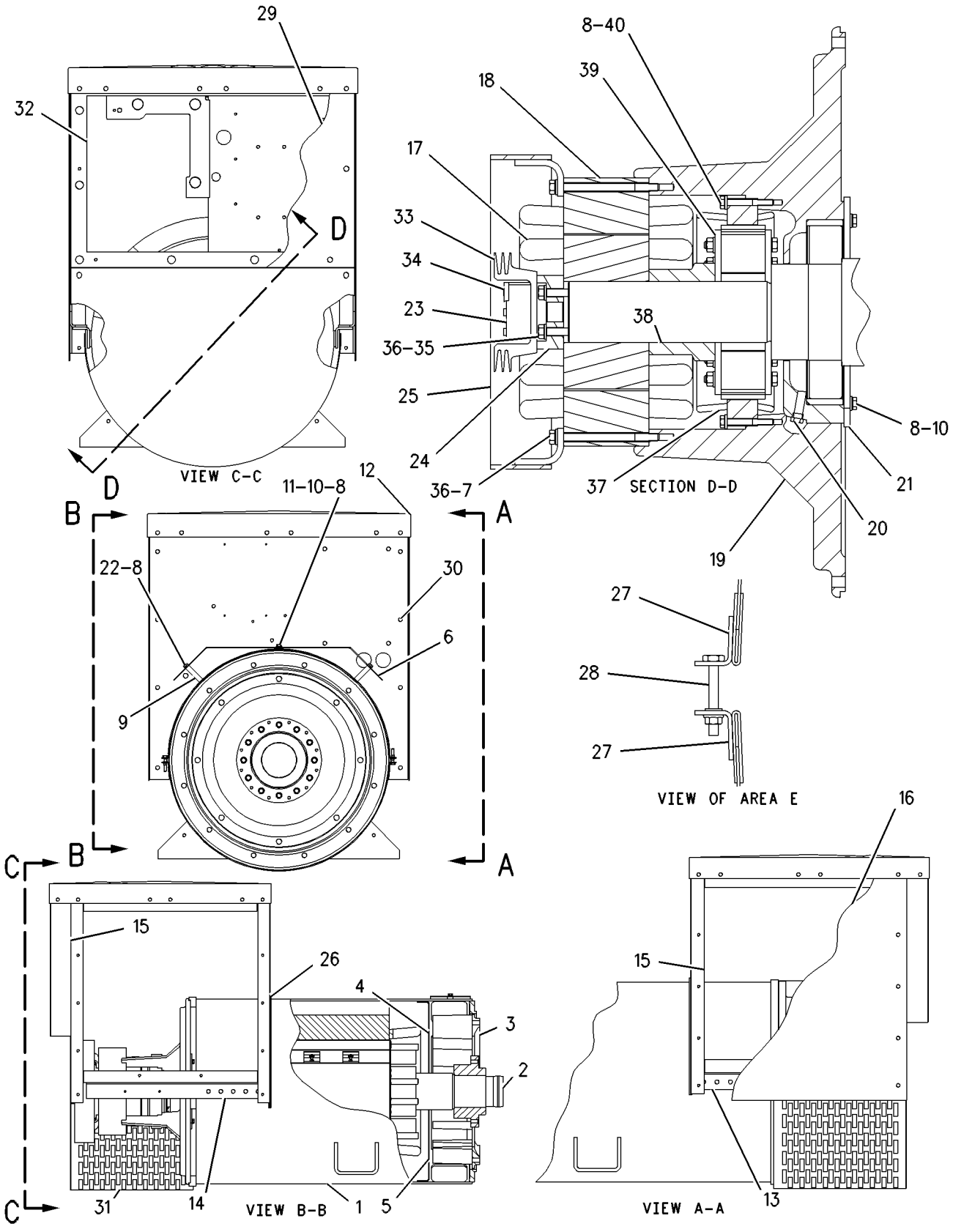
PART OF 130-7571 GENERATOR AR

SMCS-4450 **i01652851**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5205**	1	STATOR AS	
Y	2	1	**110-3402**	1	ROTOR AS	634
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	

Y-SEPARATE ILLUSTRATION

130-7586 **GENERATOR GP** *(contd.)* **i01652851**



GRAPHIC #1 **<END>** g00285762

GENERATORS

130-7587 GENERATOR GP

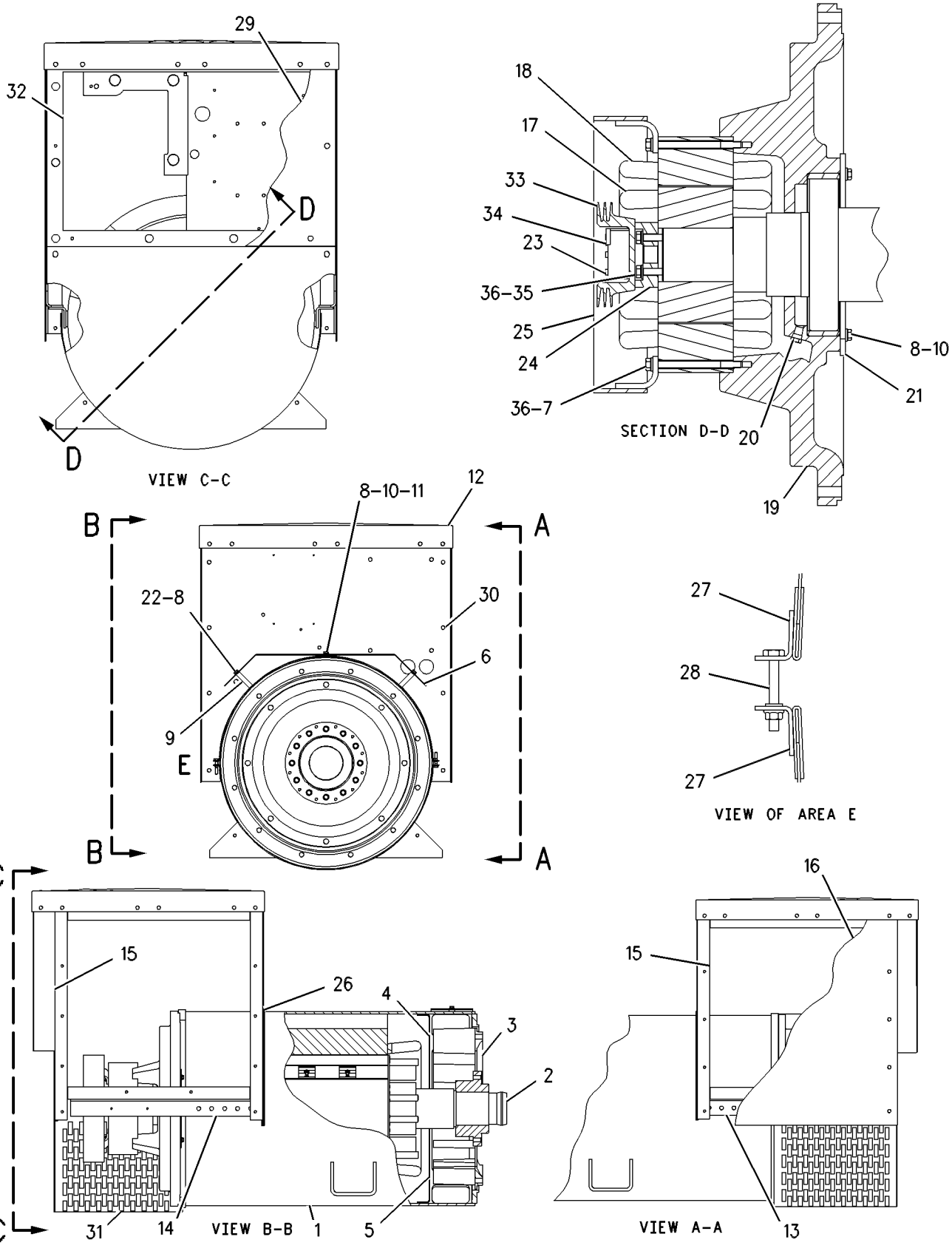
S/N: 8ER3559-UP

PART OF 130-7572 GENERATOR AR

SMCS-4450 **i00707154**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5205**	1	STATOR AS	
Y	2	1	**131-6180**	1	ROTOR AS	638
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00285761

GENERATORS

130-7588 GENERATOR GP

S/N: 9CR2744-UP

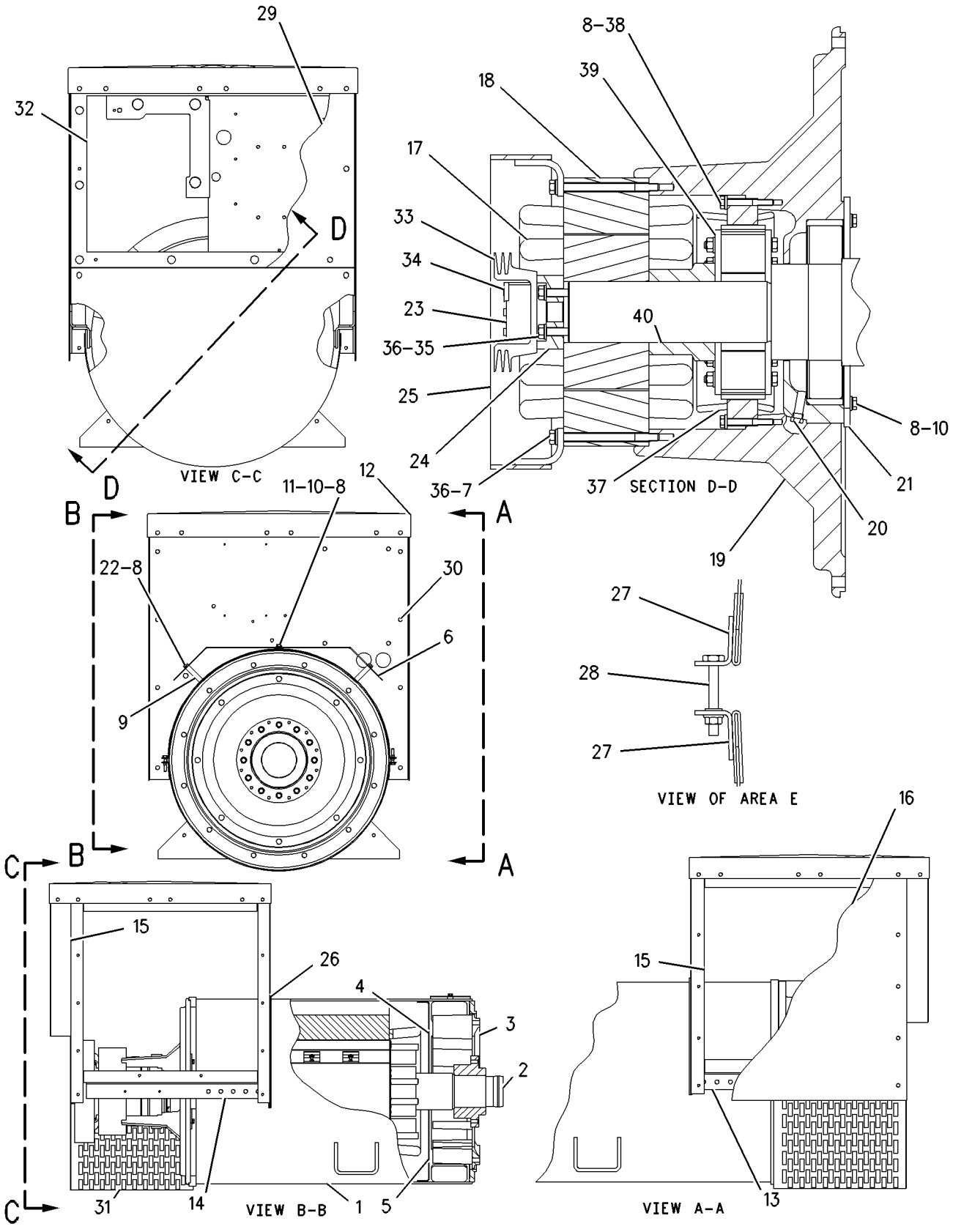
PART OF 130-7573 GENERATOR AR

SMCS-4450 **i01653316**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5209**	1	STATOR AS	
Y	2	1	**110-3404**	1	ROTOR AS	636
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	13	WASHER-HARD (7.2X14.5X2MM THK)	
	9	1	**5L-2087**	4	SPACER (9.25X13.72X50.8MM THK)	
	10	1	**0S-1615**	5	BOLT (1/4-20X0.75 IN)	
	11	1	**9W-4216**	1	SPACER (9X18X7MM THK)	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG-BUTTON (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**110-4325**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/2-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5 IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER (20.6X77X27.8MM THK)	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50 IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5 IN)	
	36	1	**9M-1974**	8	WASHER-HARD (8.8X16X2MM THK)	
	37	1	**110-4875**	1	STATOR AS	
		1	**7E-8266**	2	HOLDER AS-FUSE	
		1	**9Y-6027**	2	FUSE-CERAMIC (10 AMP)	
	38	1	**5L-9018**	4	BOLT-SOCKET HEAD (1/4X20X1.75 IN)	
	39	1	**110-4874**	1	ROTOR AS	
	40	1	**112-9430**	1	SPACER (63.6X101.6X69.2MM THK)	

Y-SEPARATE ILLUSTRATION

130-7588 **GENERATOR GP** *(contd.)* **i01653316**



GRAPHIC #1 **<END>** g00810369

GENERATORS

130-7589 GENERATOR GP

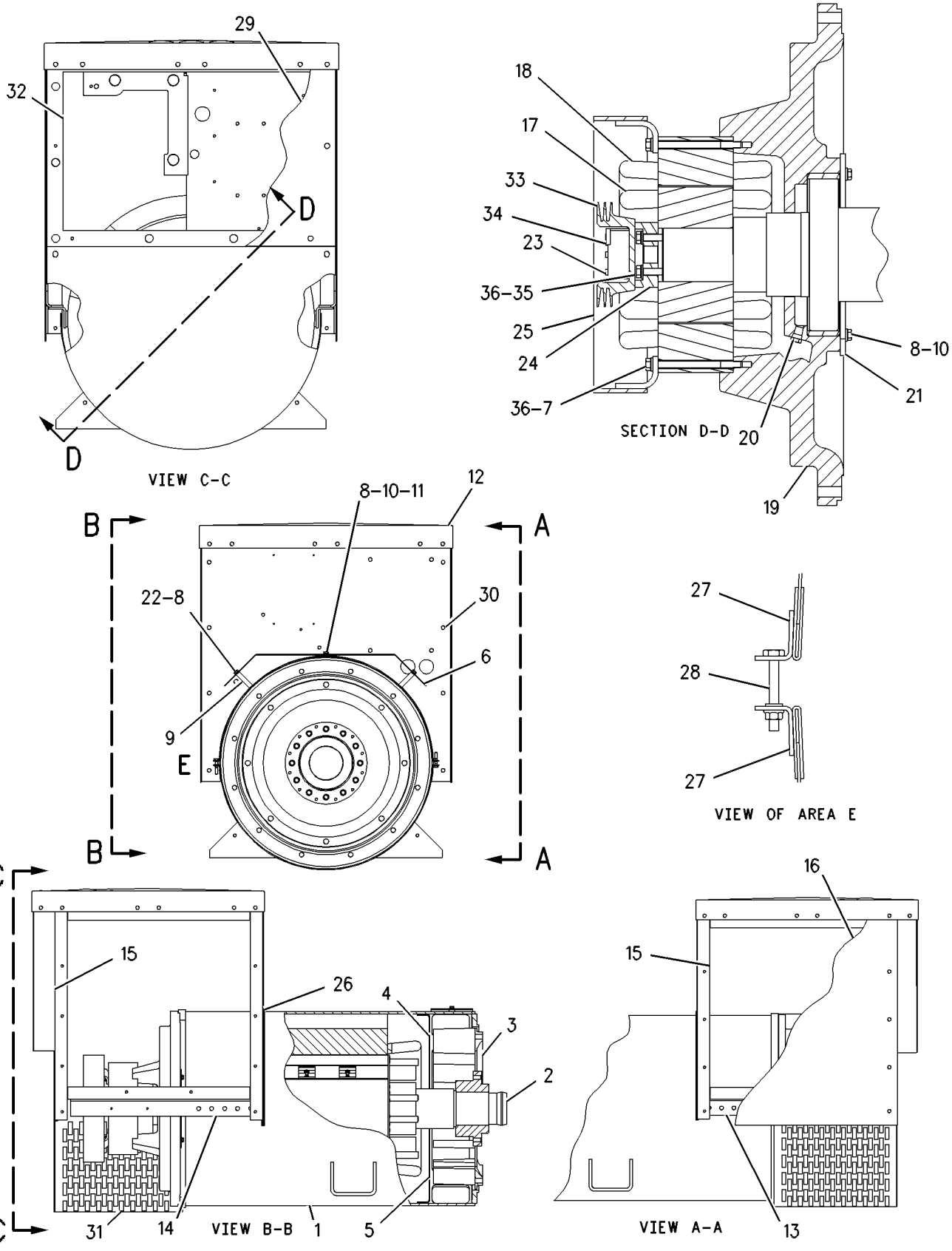
S/N: 9CR2744-UP

PART OF 130-7574 GENERATOR AR

SMCS-4450 **i00707167**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**132-5209**	1	STATOR AS	
Y	2	1	**131-6179**	1	ROTOR AS	637
	3	1	**111-2413**	1	FAN-GENERATOR	
	4	1	**9Y-5821**	1	DEFLECTOR	
	5	1	**7E-1257**	1	DEFLECTOR-LOWER	
	6	1	**7E-1256**	1	COVER-DRIP	
	7	1	**3H-5932**	4	BOLT (5/16-18X4.5IN)	
	8	1	**5P-0537**	9	WASHER (2MM THK)	
	9	1	**5L-2087**	4	SPACER	
	10	1	**0S-1615**	5	BOLT (1/4-20X.75IN)	
	11	1	**9W-4216**	1	SPACER	
	12	1	**129-5842**	1	COVER AS	
		1	**5N-3167**	3	SEAL (50.80MM ID)	
		1	**5N-3176**	3	PLUG (58.674MM DIA)	
		1	**6D-7128**	4	SEAL (9.25MM ID)	
		1	**8P-7065**	2	PLUG (10.414MM DIA)	
		1	**8T-9587**	2	SEAL (6.07MM ID)	
		1	**030-2284**	4	PLUG (12.7MM DIA)	
	13	1	**131-0460**	1	BRACKET	
	14	1	**131-0461**	1	BRACKET	
	15	1	**130-8402**	2	FRAME AS	
	16	1	**7E-6578**	2	PANEL	
	17	1	**4P-3152**	1	ROTOR-EXCITER	
	18	1	**9Y-5816**	1	STATOR-EXCITER	
	19	1	**118-1324**	1	BRACKET-BEARING	
	20	1	**5M-6214**	2	PLUG-PIPE (1/8-27 THD)	
	21	1	**6I-2737**	2	RETAINER-BEARING	
	22	1	**1B-2714**	4	BOLT (1/4-20X2.5IN)	
	23	1	**9Y-0916**	1	RECTIFIER	
	24	1	**4P-3153**	1	SPACER	
	25	1	**6I-0088**	1	COVER AS-EXCITER	
	26	1	**1N-7219**	1	CHANNEL-RUBBER	
	27	1	**111-0887**	2	SCREEN AS	
	28	1	**4M-5282**	4	BOLT (1/4-20X1.50IN)	
	29	1	**129-6598**	1	COVER	
	30	1	**131-1909**	1	PANEL AS	
	31	1	**129-6596**	1	COVER AS-AIR INLET	
	32	1	**129-6597**	1	BOX AS	
	33	1	**4P-3154**	1	HEAT SINK	
	34	1	**7E-6577**	1	COVER-RECTIFIER	
	35	1	**1A-9579**	4	BOLT (5/16-18X1.5IN)	
	36	1	**9M-1974**	8	WASHER-HARD (2MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00285761

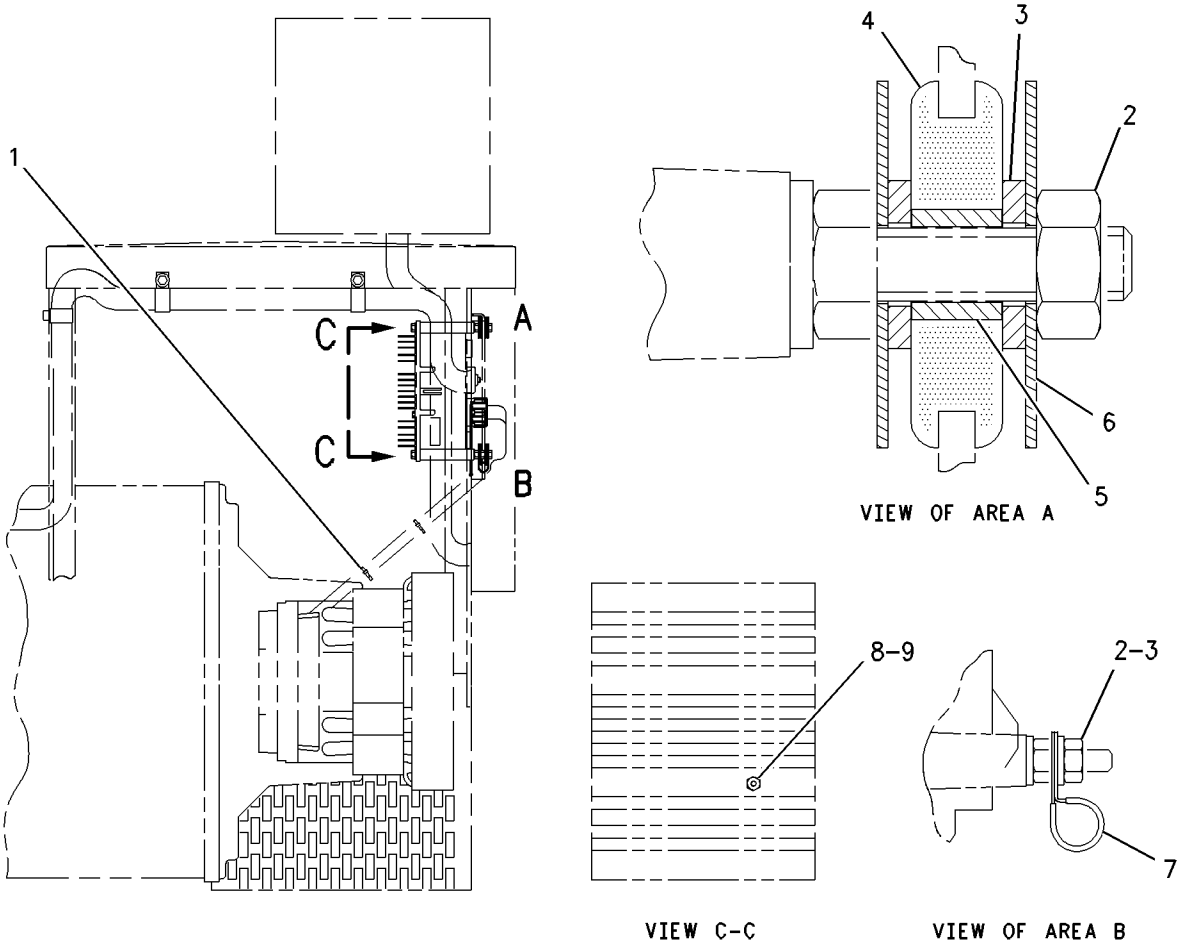
130-3480 MOUNTING GP-VOLTAGE REGULATOR

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES VR3, VR3F OR DIGITAL VOLTAGE REGULATOR

SMCS-4467 **i01370643**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**3S-2093**	6	STRAP-CABLE	
	2	1	**6V-8185**	4	NUT (1/4-20 THD)	
	3	1	**8T-4205**	7	WASHER-HARD (7.2X14.5X2MM THK)	
	4	1	**7C-5708**	3	GROMMET	
	5	1	**7C-5709**	3	SLEEVE	
	6	1	**7X-0586**	6	WASHER-HARD (M7.2X32.0X2MM THK)	
	7	1	**8J-1256**	1	CLIP	
	8	1	**9B-7233**	1	LOCKWASHER	
	9	1	**4B-2043**	1	NUT (8-32 THD)	

B-USE AS REQUIRED



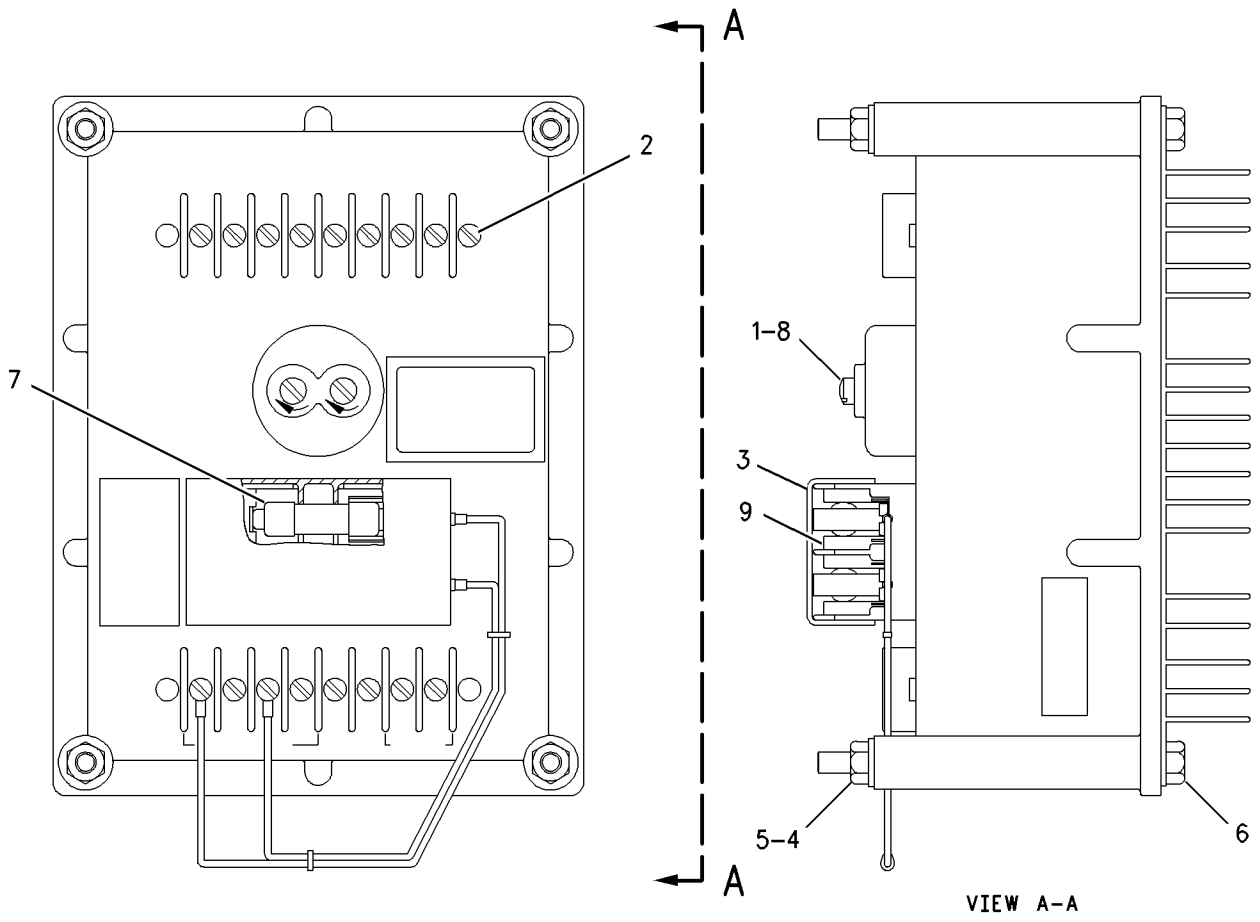
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155-3820 REGULATOR AS-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
VR3, PERMANENT MAGNET, 240 VOLT, SENSING
PART OF 130-3649 REGULATOR GP-VOLTAGE
AN ATTACHMENT

SMCS-4467 **i01972250**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8M-8468**	2	SEAL-O-RING	
	2	1	**6V-8374**	16	SCREW-MACHINE (6-32X0.25 IN)	
	3	1	**9Y-8420**	1	COVER (FUSE)	
	4	1	**9S-8750**	4	NUT-FULL (1/4-20 THD)	
	5	1	**4B-4674**	4	WASHER (6.4X14.5X1.6MM THK)	
	6	1	**7C-3887**	4	SCREW (1/4-20 THD)	
	7	1	**9Y-8419**	2	FUSE (12 AMPERE)	
	8	1	**4B-1242**	2	SCREW-MACHINE (12-24X.375IN)	
	9	1	**4P-9826**	1	BLOCK-FUSE	



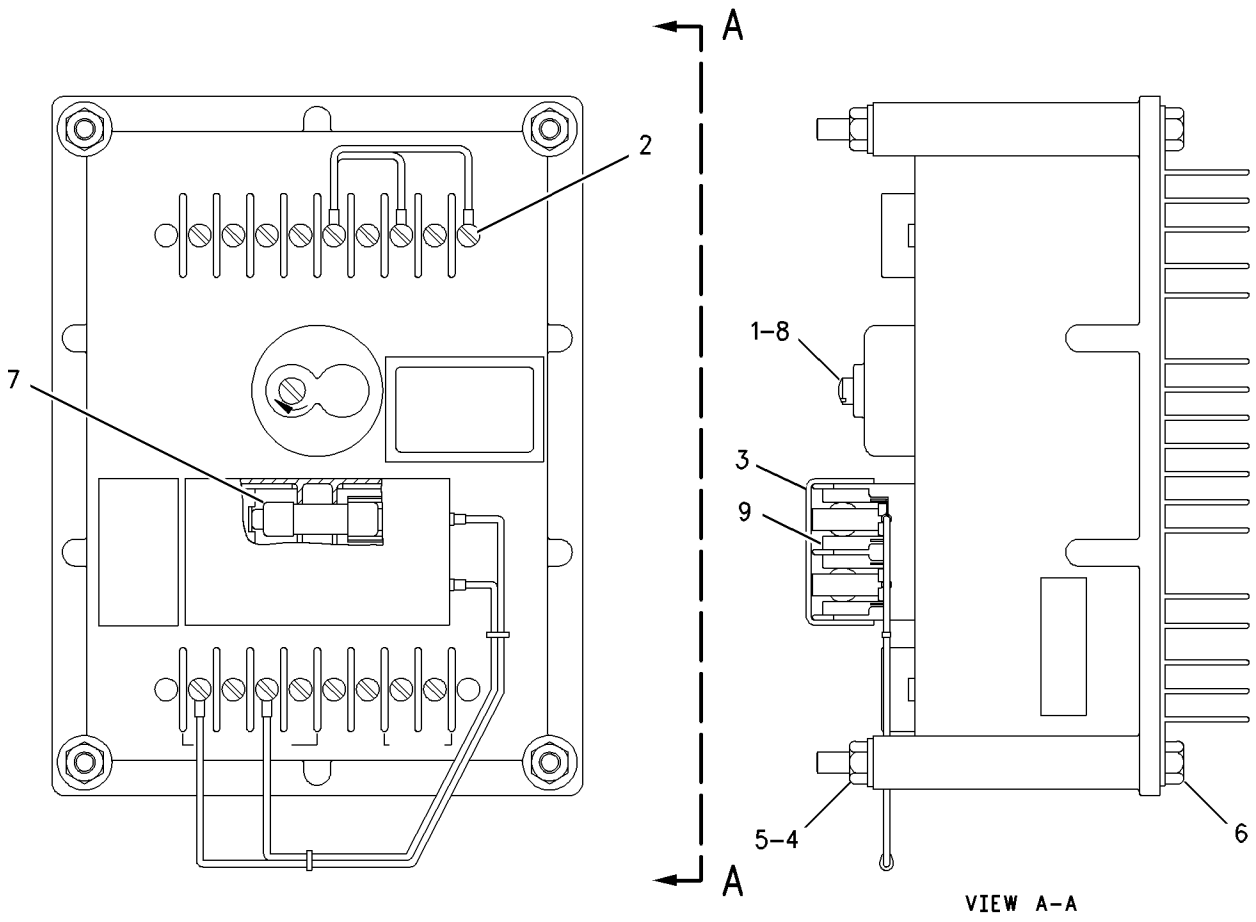
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155-3822 REGULATOR AS-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
VR3F, SELF EXCITED, 240 VOLT, SENSING
PART OF 130-3460 REGULATOR GP-VOLTAGE
AN ATTACHMENT

SMCS-4467 **i01849185**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8M-8468**	1	SEAL-O-RING	
	2	1	**6V-8374**	17	SCREW-MACHINE (6-32X0.25 IN)	
	3	1	**9Y-8420**	1	COVER (FUSE)	
	4	1	**9S-8750**	4	NUT-FULL (1/4-20 THD)	
	5	1	**4B-4674**	4	WASHER (6.4X14.5X1.6MM THK)	
	6	1	**7C-3887**	4	SCREW	
	7	1	**9Y-8419**	2	FUSE (12 AMP)	
	8	1	**4B-1242**	1	SCREW-MACHINE (12-24X.375IN)	
	9	1	**4P-9826**	1	BLOCK-FUSE	



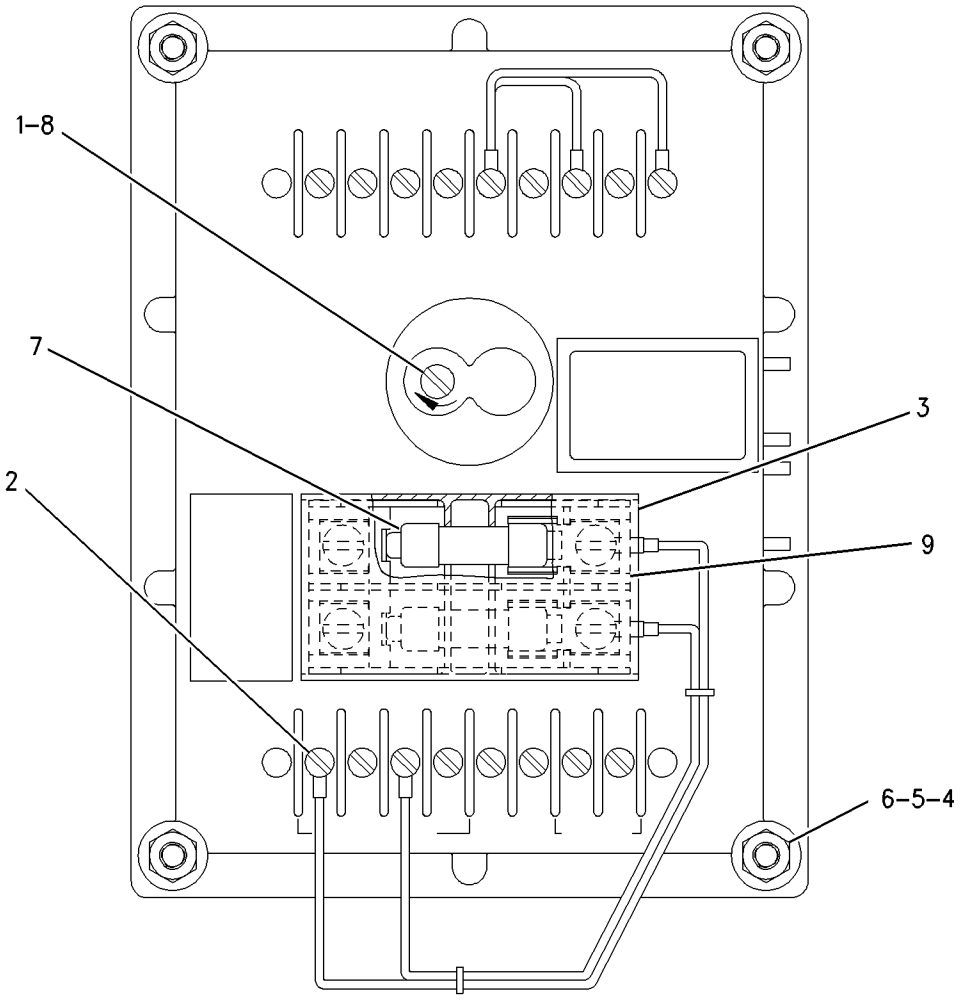
GRAPHIC #1 **<END>** g00766779

105-4401 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
VR3F, PERMANENT MAGNET, 240 VOLT, SENSING
PART OF 130-3650 REGULATOR GP-VOLTAGE
AN ATTACHMENT

SMCS-4467 **i01969761**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8M-8468**	1	SEAL-O-RING	
	2	1	**6V-8374**	17	SCREW-MACHINE (6-32X0.25 IN)	
	3	1	**9Y-8420**	1	COVER (FUSE)	
	4	1	**6V-8185**	4	NUT (1/4-20 THD)	
	5	1	**4B-4674**	4	WASHER (6.4X14.5X1.6MM THK)	
	6	1	**7C-3887**	4	SCREW (1/4-20 THD)	
	7	1	**9Y-8419**	2	FUSE (12 AMP)	
	8	1	**4B-1242**	1	SCREW-MACHINE (12-24X.375IN)	
	9	1	**4P-9826**	1	BLOCK-FUSE	



GRAPHIC #1 **<END>** g00735573

130-3459 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 240 VOLT SENSING SELF EXCITED GENERATORS

SMCS-4467 **i01971706**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7C-5711	1	FILM-INSTRUCTION (VOLTAGE CONTROL ADJUSTMENT)	
Y	**149-6130**	1	REGULATOR GP-VOLTAGE	632

Y-SEPARATE ILLUSTRATION

<END>

130-3460 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 240 VOLT SENSING SELF EXCITED GENERATORS
AN ATTACHMENT
TYPE 1

SMCS-4467 **i01974344**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7E-8074	1	FILM-INSTRUCTION (PACKAGE PRE-START)	
Y	**155-3822**	1	REGULATOR AS-VOLTAGE	623

Y-SEPARATE ILLUSTRATION

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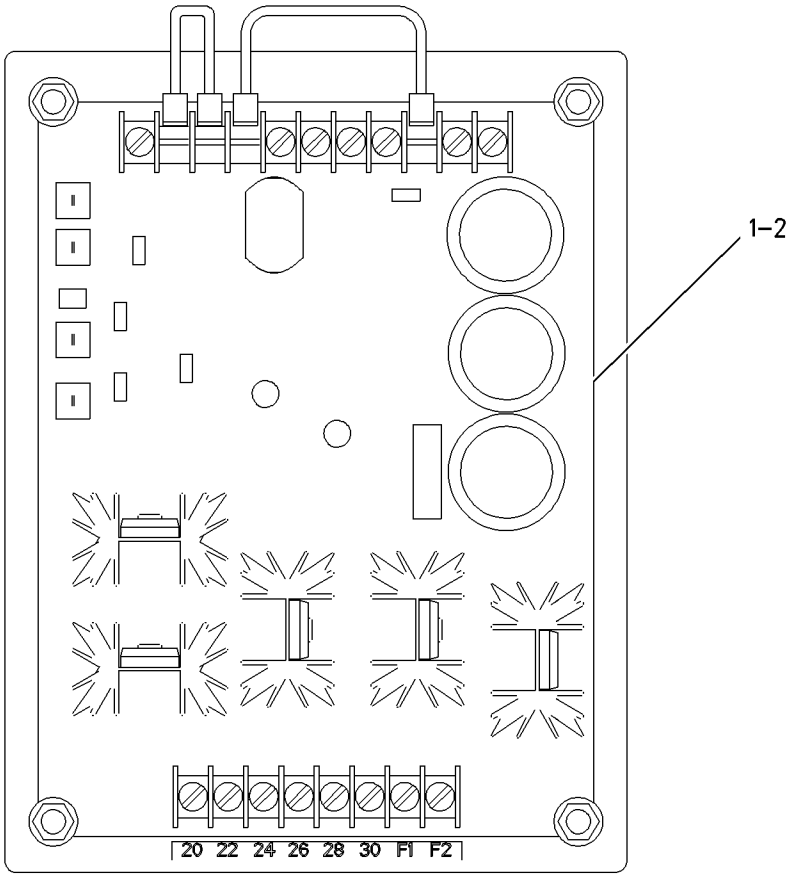
130-3460 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 240 VOLT SENSING SELF EXCITED GENERATORS
AN ATTACHMENT
TYPE 2

SMCS-4467 **i01971712**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*202-8634*	1	REGULATOR GP-VOLTAGE	633
C	2	1	**216-8748**	1	FILM (INSTRUCTION) (PRE-START)(VOLTAGE CONTROL)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00903150

130-3649 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES PERMANENT MAGNET GENERATORS
AN ATTACHMENT

SMCS-4467 **i01971719**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**155-3820**	1	REGULATOR AS-VOLTAGE	622
	7C-5711	1	FILM-INSTRUCTION (VOLTAGE CONTROL ADJUSTMENT)	

Y-SEPARATE ILLUSTRATION

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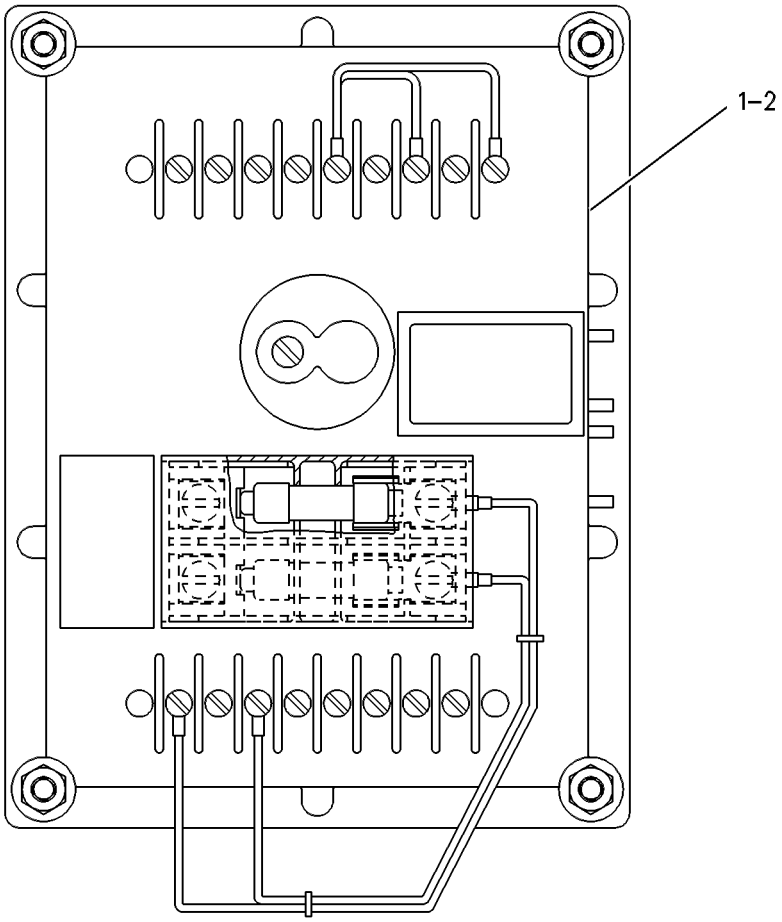
130-3650 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 240 VOLT SENSING PERMANENT MAGNET GENERATORS
AN ATTACHMENT
TYPE 1

SMCS-4467 **i01510867**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**105-4401**	1	REGULATOR GP-VOLTAGE	624
	2	1	**7E-8074**	1	FILM-INSTRUCTION (PACKAGE PRE-START)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00457809

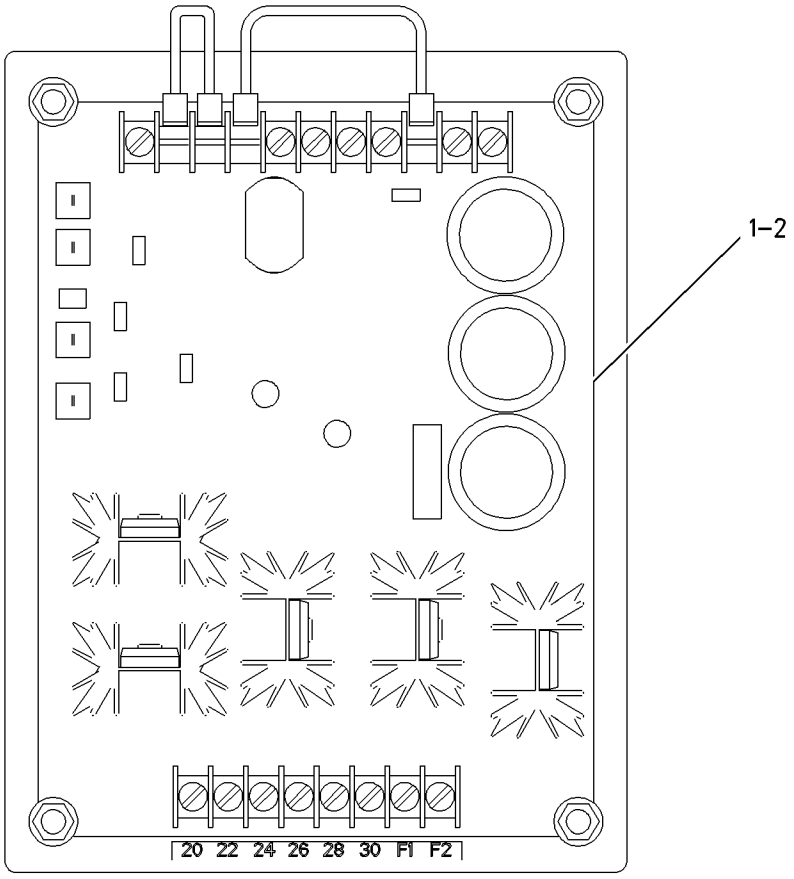
130-3650 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 240 VOLT SENSING PERMANENT MAGNET GENERATORS
AN ATTACHMENT
TYPE 2

SMCS-4467 **i01971723**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*202-8634*	1	REGULATOR GP-VOLTAGE	633
C	2	1	**216-8748**	1	FILM (INSTRUCTION) (PRE-START)(VOLTAGE CONTROL)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



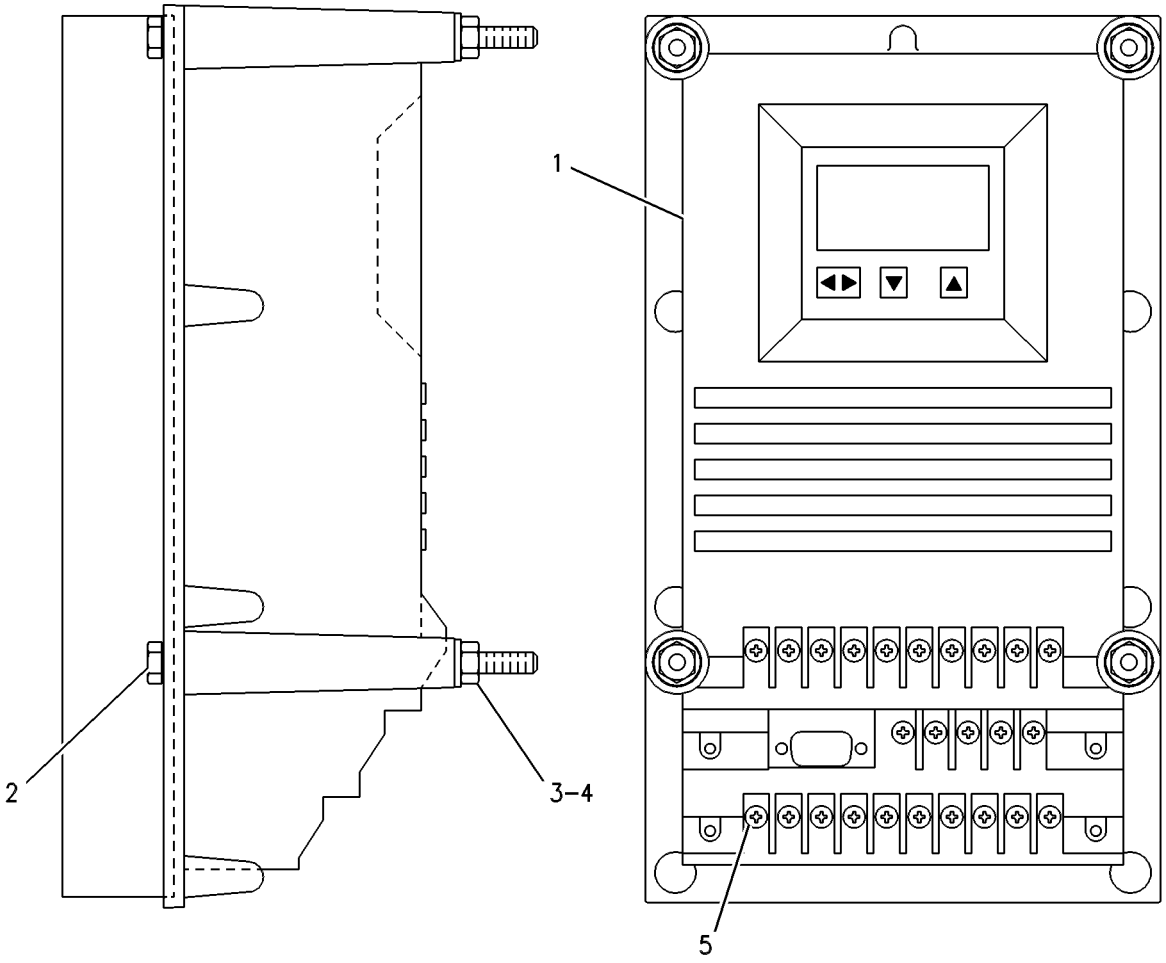
GRAPHIC #1 **<END>** g00903150

130-3651 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 125 - 249 VOLT SENSING PERMANENT MAGNET GENERATOR
AN ATTACHMENT

SMCS-4467 **i01707643**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-3832**	1	REGULATOR GP-VOLTAGE	
	2	1	**8S-4711**	4	BOLT (1/4-20X4.5IN)	
	3	1	**9S-8750**	4	NUT-FULL (1/4-20 THD)	
	4	1	**5P-0537**	4	WASHER-HARD (7.2X14.5X2MM THK)	
	5	1	**2F-7306**	25	SCREW-MACHINE (6-32X.25 IN)	



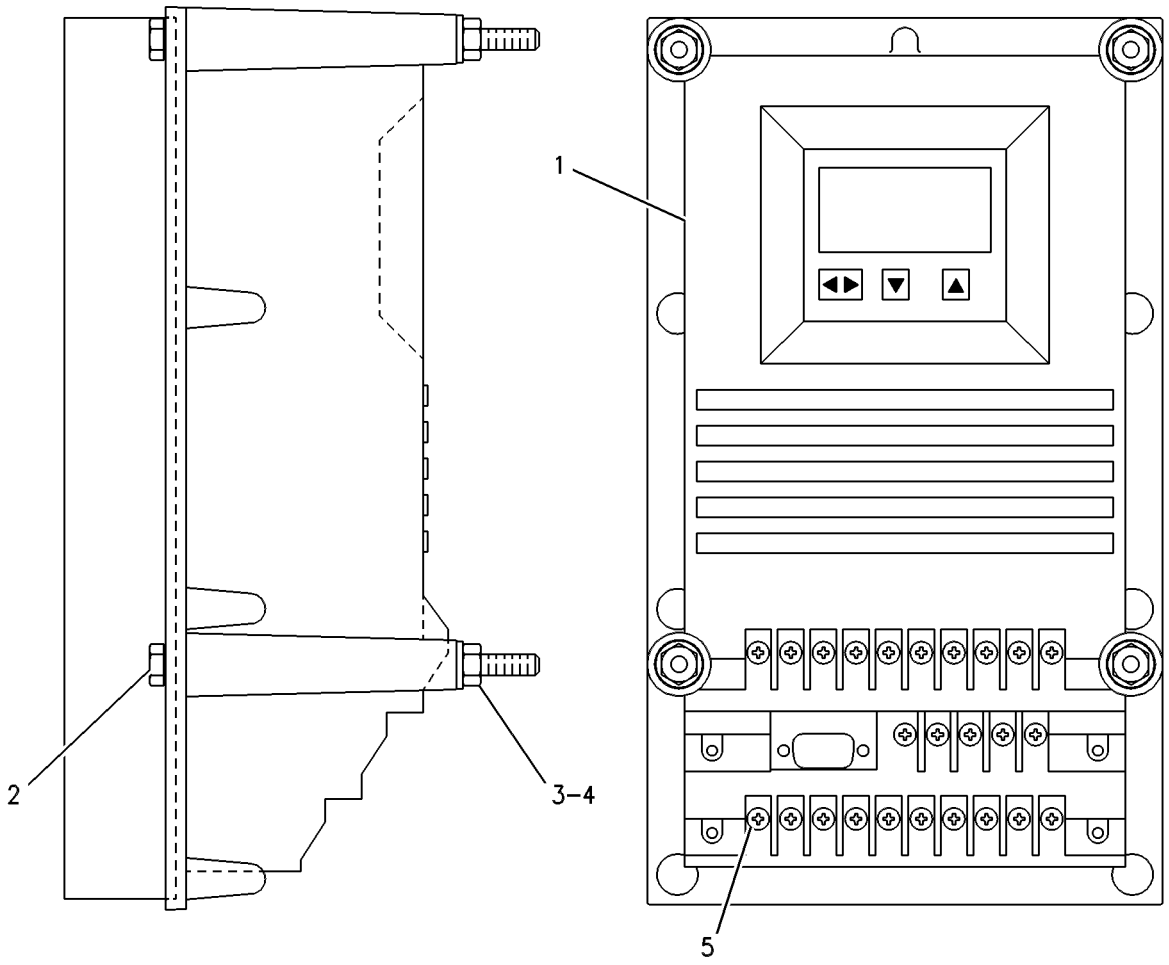
GRAPHIC #1 **<END>** g00256364

130-3652 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
REQUIRES 125 - 249 VOLT SENSING PERMANENT MAGNET GENERATORS
AN ATTACHMENT

SMCS-4467 **i01441881**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-3835**	1	REGULATOR GP-VOLTAGE	
	2	1	**8S-4711**	4	BOLT (1/4-20X4.5IN)	
	3	1	**9S-8750**	4	NUT-FULL (1/4-20 THD)	
	4	1	**5P-0537**	4	WASHER-HARD (7.2X14.5X2MM THK)	
	5	1	**2F-7306**	25	SCREW-MACHINE (6-32X.25 IN)	



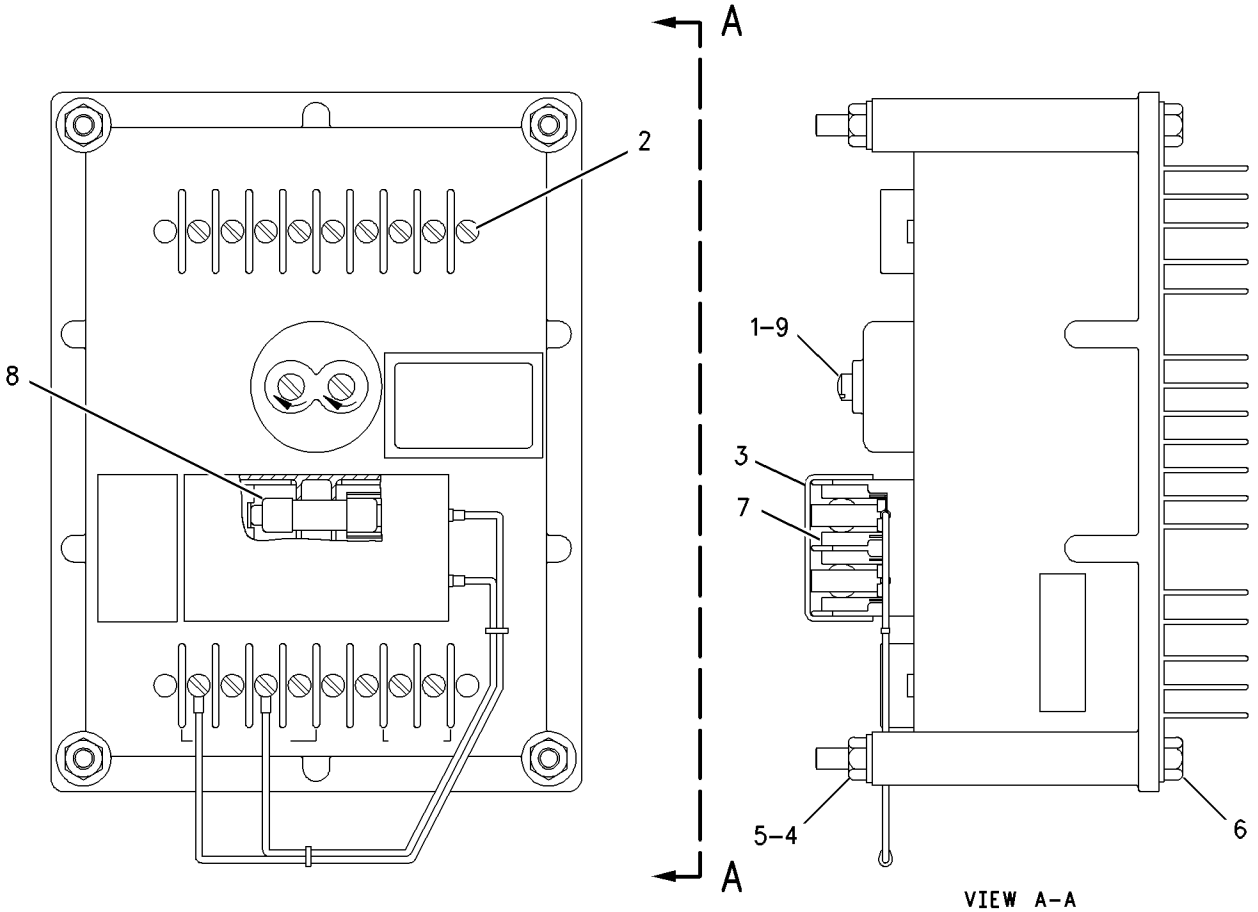
GRAPHIC #1 **<END>** g00256364

149-6130 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
VR3, SELF EXCITED, 240 VOLT, SENSING
PART OF 130-3459 REGULATOR GP-VOLTAGE

SMCS-4467 **i01469251**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8M-8468**	2	SEAL-O-RING	
	2	1	**6V-8374**	16	SCREW-MACHINE (6-32X0.25 IN)	
	3	1	**9Y-8420**	1	COVER (FUSE)	
	4	1	**9S-8750**	4	NUT-FULL (1/4-20 THD)	
	5	1	**4B-4674**	4	WASHER (6.4X14.5X1.6MM THK)	
	6	1	**7C-3887**	4	SCREW	
	7	1	**4P-9826**	1	BLOCK-FUSE	
	8	1	**9Y-8419**	2	FUSE (12 AMP)	
	9	1	**4B-1242**	2	SCREW-MACHINE (12-24X.375IN)	



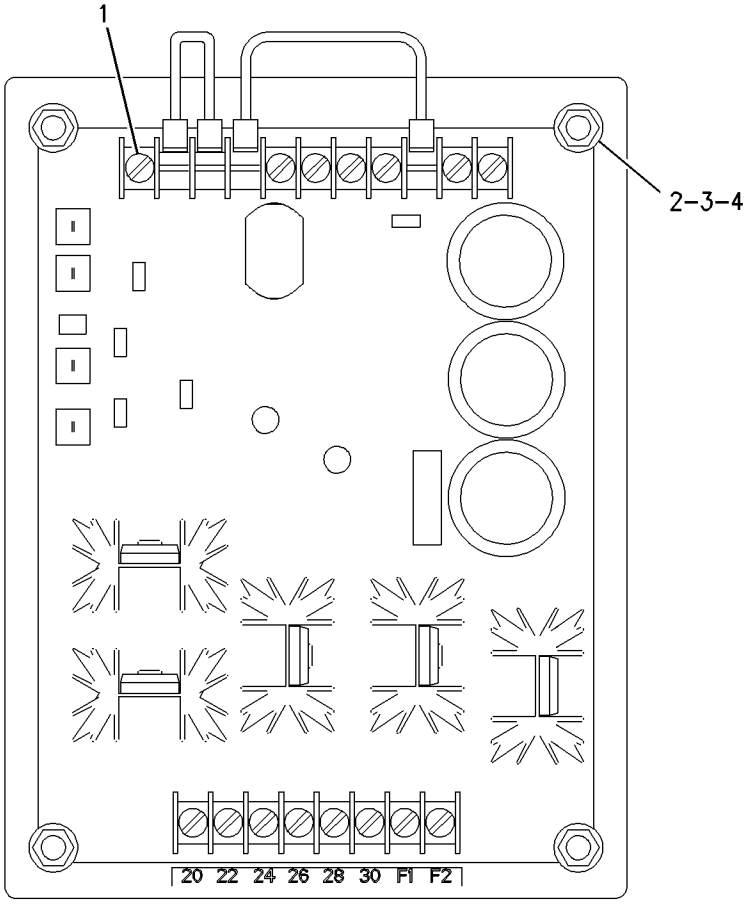
GRAPHIC #1 **<END>** g00766623

202-8634 REGULATOR GP-VOLTAGE

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
VR6-B 240 VOLT SENSING
PART OF 130-3460, 130-3650 REGULATOR GP-VOLTAGE
AN ATTACHMENT

SMCS-4467 **i01838269**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-8374**	19	SCREW-MACHINE (6-32X0.25 IN)	
	2	1	**6V-8185**	4	NUT (1/4-20 THD)	
	3	1	**4B-4674**	8	WASHER (6.4X14.5X1.6MM THK)	
	4	1	**7C-3887**	4	SCREW	



GRAPHIC #1 **<END>** g00800547

GENERATORS

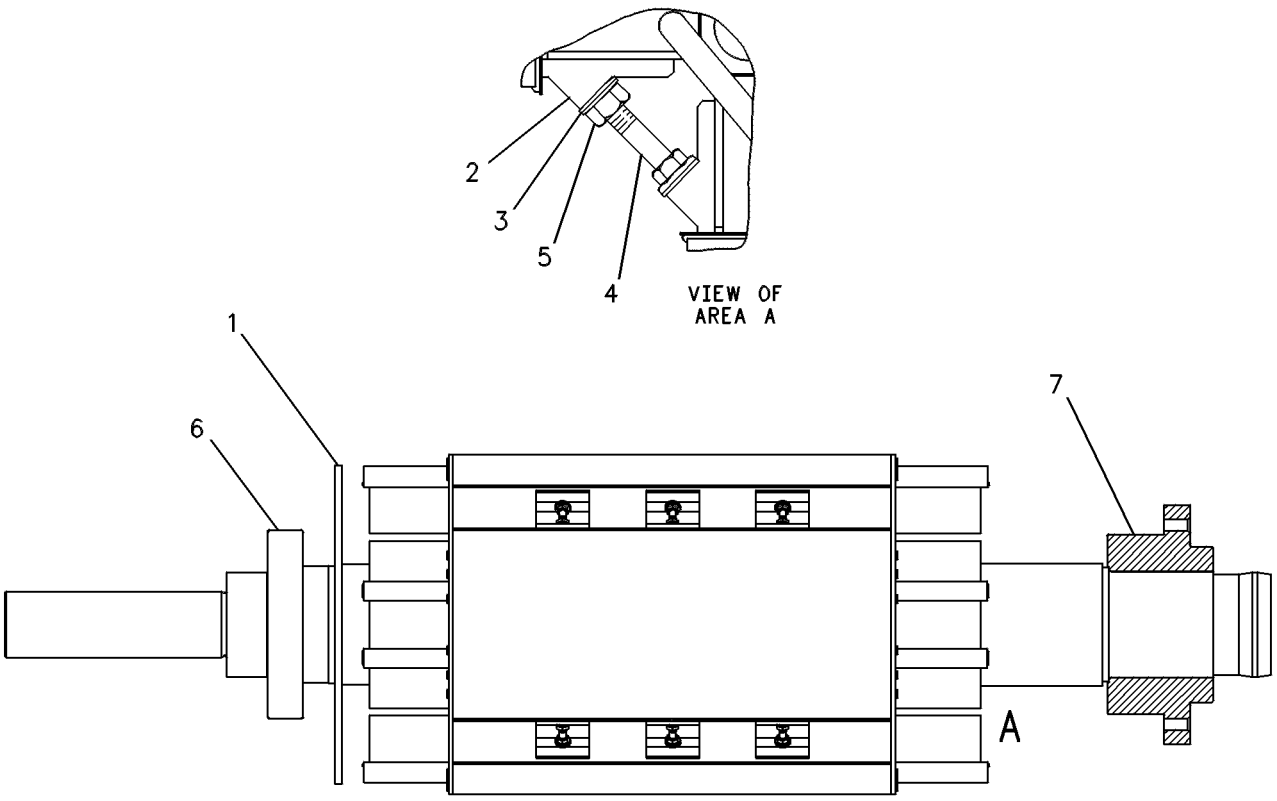
110-3402 ROTOR AS

S/N: 8ER3559-UP

PART OF 129-1506, 129-1508, 130-4721, 130-7586 GENERATOR GP

SMCS-4457 **i01849180**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-5845**	1	DISC	
	2	1	**5N-0627**	24	WEDGE-POLE	
	3	1	**5N-0618**	24	WASHER-SPRING	
	4	1	**5N-0626**	12	BOLT-SPECIAL	
	5	1	**9S-8750**	12	NUT-FULL (1/4-20 THD)	
	6	1	**6Y-3955**	1	BALL BEARING	
	7	1	**110-3763**	1	HUB-DRIVE	



GRAPHIC #1 **<END>** g00240947

GENERATORS

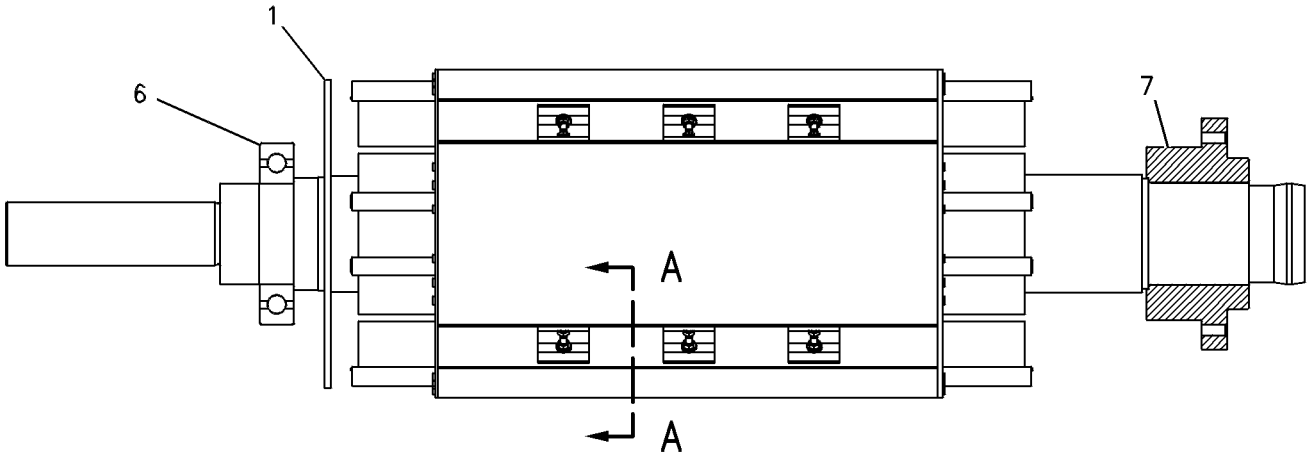
110-3403 ROTOR AS

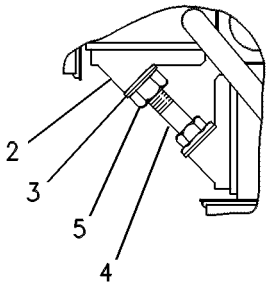
S/N: 9DR4432-UP

PART OF 129-1502, 129-1504, 130-4719, 130-7584 GENERATOR GP

SMCS-4457 **i00706748**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-5845**	1	DISC-BALANCE	
	2	1	**5N-0627**	24	WEDGE-POLE	
	3	1	**5N-0618**	24	WASHER-SPRING	
	4	1	**5N-0626**	12	BOLT	
	5	1	**9S-8750**	12	NUT-FULL (1/4-20 THD)	
	6	1	**6Y-3955**	1	BALL BEARING	
	7	1	**110-3763**	1	HUB-DRIVE	





VIEW A–A

GRAPHIC #1 **<END>** g00240974

GENERATORS

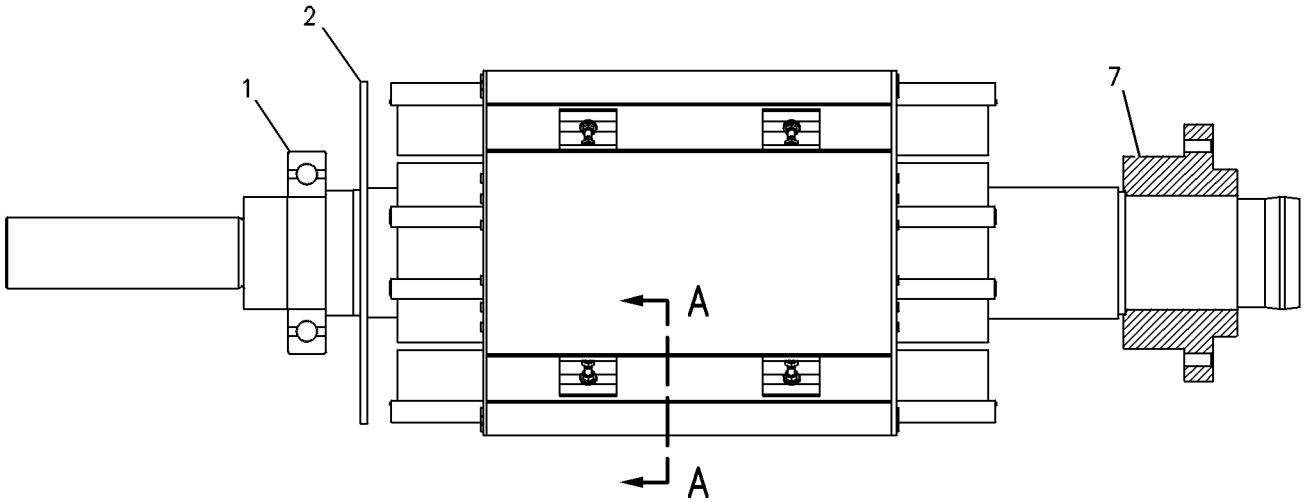
110-3404 ROTOR AS

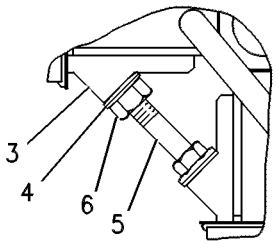
S/N: 9CR2744-UP

PART OF 129-1510, 129-1512, 130-4723, 130-7588 GENERATOR GP

SMCS-4457 **i01849184**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6Y-3955**	1	BALL BEARING	
	2	1	**9Y-5845**	1	DISC	
	3	1	**5N-0627**	16	WEDGE-POLE	
	4	1	**5N-0618**	16	WASHER-SPRING	
	5	1	**5N-0626**	8	BOLT-SPECIAL	
	6	1	**9S-8750**	8	NUT-FULL (1/4-20 THD)	
	7	1	**110-3763**	1	HUB-DRIVE	





VIEW A–A

GRAPHIC #1 **<END>** g00240957

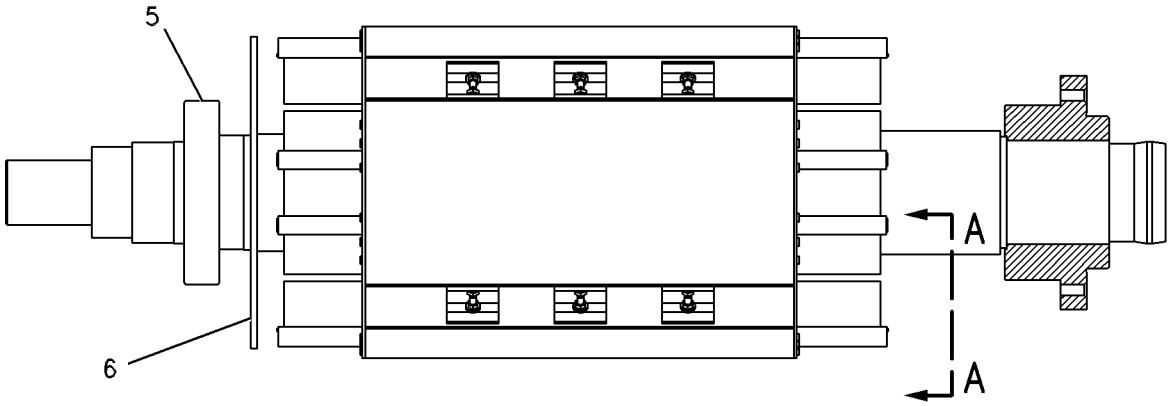
131-6179 ROTOR AS

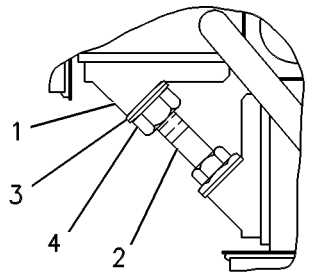
S/N: 9CR2744-UP

PART OF 129-1511, 129-1513, 130-4724, 130-7589 GENERATOR GP

SMCS-4457 **i00707460**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-0627**	16	WEDGE-POLE	
	2	1	**5N-0626**	8	BOLT	
	3	1	**5N-0618**	16	WASHER-SPRING	
	4	1	**9S-8750**	8	NUT-FULL (1/4-20 THD)	
	5	1	**6Y-3955**	1	BALL BEARING	
	6	1	**9Y-5845**	1	DISC-BALANCE	





VIEW A-A

GRAPHIC #1 **<END>** g00256761

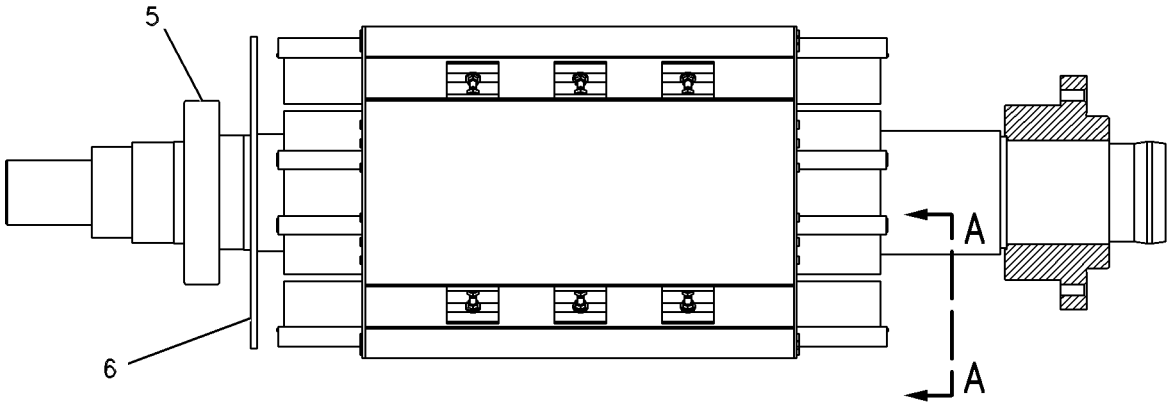
131-6180 ROTOR AS

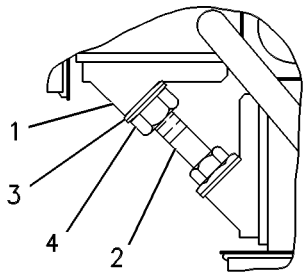
S/N: 8ER3559-UP

PART OF 129-1507, 129-1509, 130-4722, 130-7587 GENERATOR GP

SMCS-4457 **i00707457**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-0627**	24	WEDGE-POLE	
	2	1	**5N-0626**	12	BOLT	
	3	1	**5N-0618**	24	WASHER-SPRING	
	4	1	**9S-8750**	12	NUT-FULL (1/4-20 THD)	
	5	1	**6Y-3955**	1	BALL BEARING	
	6	1	**9Y-5845**	1	DISC-BALANCE	





VIEW A-A

GRAPHIC #1 **<END>** g00256761

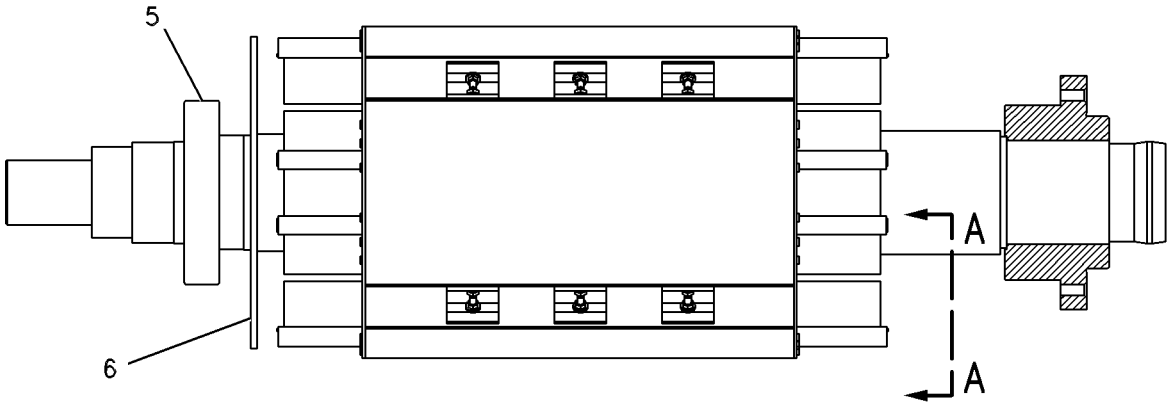
131-6181 ROTOR AS

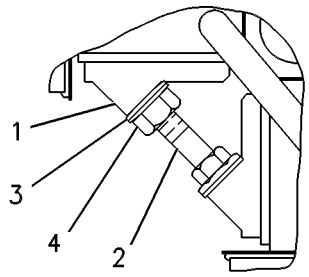
S/N: 9DR4432-UP

PART OF 129-1503, 129-1505, 130-4720, 130-7585 GENERATOR GP

SMCS-4457 **i00707455**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-0627**	24	WEDGE-POLE	
	2	1	**5N-0626**	12	BOLT	
	3	1	**5N-0618**	24	WASHER-SPRING	
	4	1	**9S-8750**	12	NUT-FULL (1/4-20 THD)	
	5	1	**6Y-3955**	1	BALL BEARING	
	6	1	**9Y-5845**	1	DISC-BALANCE	





VIEW A-A

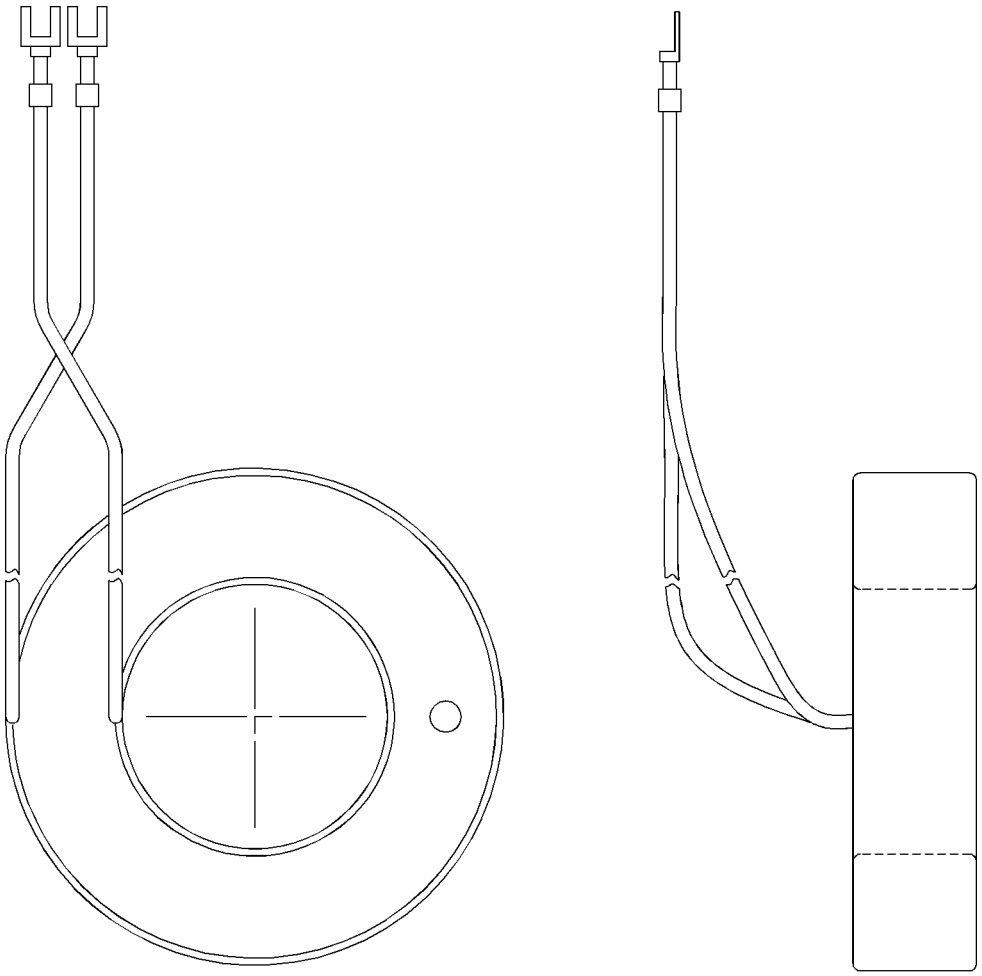
GRAPHIC #1 **<END>** g00256761

241-6738 TRANSFORMER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
50 - 400 HERTZ. CURRENT
AN ATTACHMENT

SMCS-4476 **i01961452**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01019982

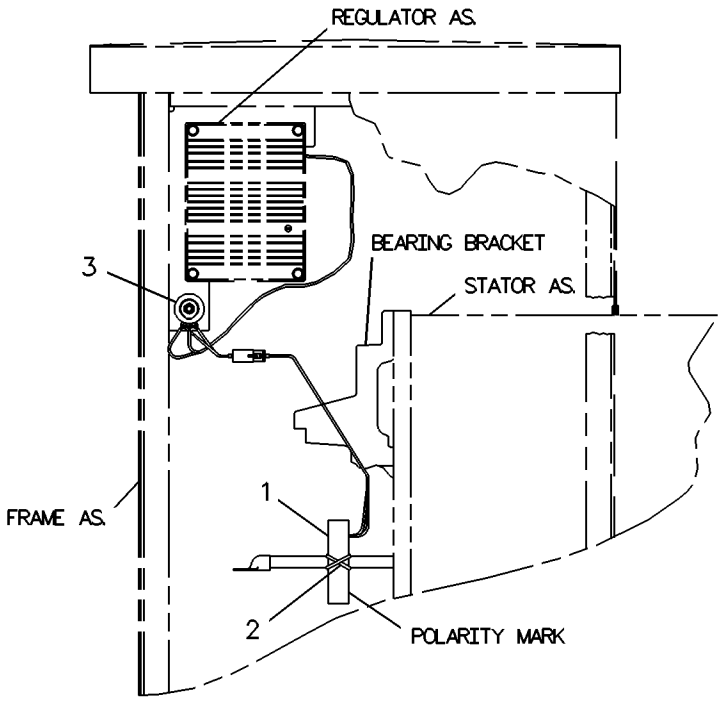
4P-3848 TRANSFORMER GP-CURRENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
DROOP
FOR USE WITH VR3 REGULATOR
AN ATTACHMENT

SMCS-4476 **i00709363**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-9437**	1	TRANSFORMER AS	
B	2	1	**7K-1181**	6	STRAP-CABLE (4.00IN DIA)	
	3	1	**7C-8760**	1	RHEOSTAT AS	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00219466

131-1966 TRANSFORMER GP-CURRENT

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
DUAL VOLTAGE
FOR USE WITH GENERATOR MOUNTED EMCPII CONTROL PANEL
AN ATTACHMENT

SMCS-4476 **i01297461**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

SERVICE EQUIPMENT AND SUPPLIES

129-4053 CHART-CONTROL PANEL

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
FOR USE WITH 590 SQUARE LAMINATION GENERATORS
AN ATTACHMENT

SMCS-4490, 7451 **i01234096**

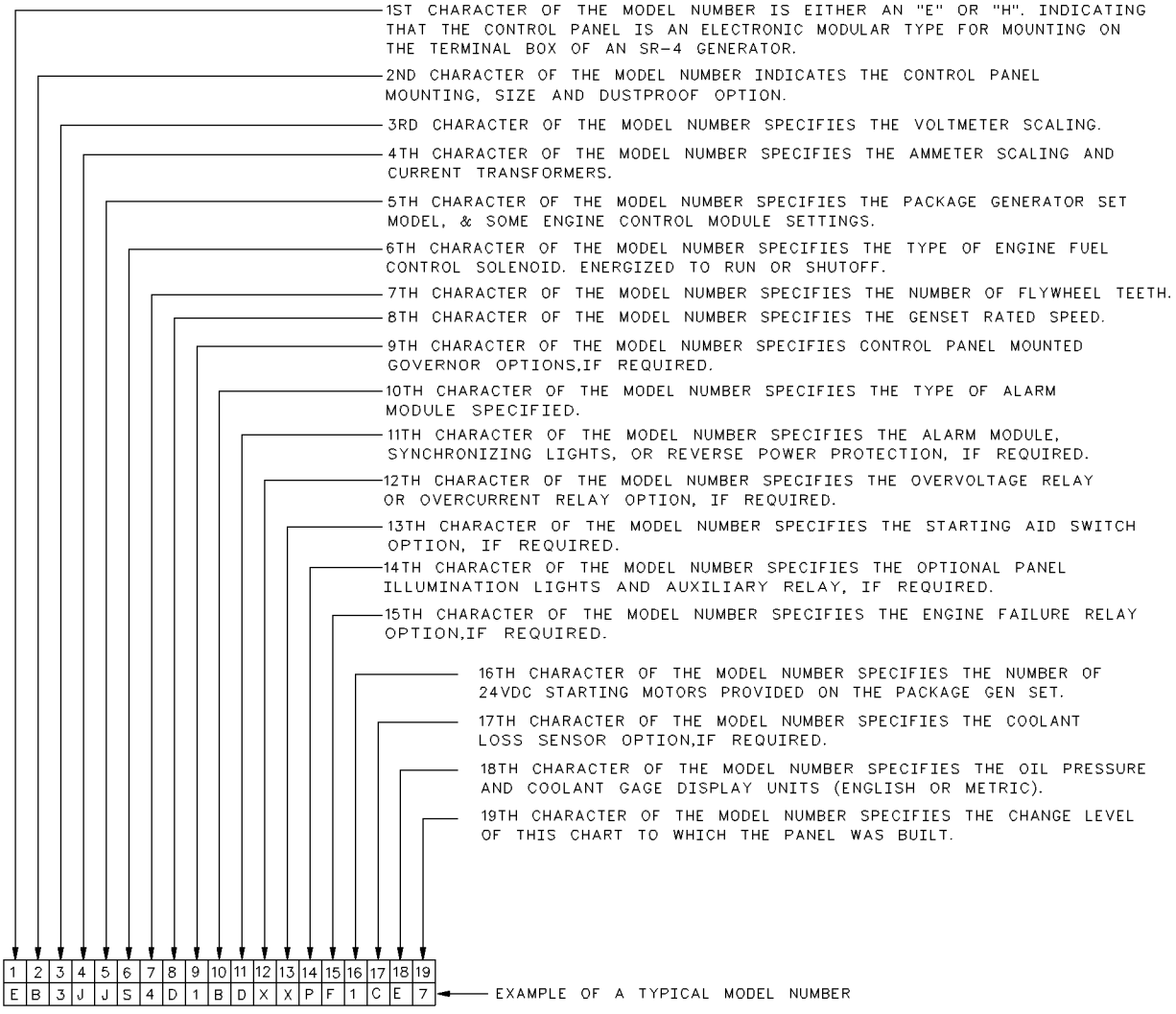
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					REFER TO ILLUSTRATION	

I. SCOPE

THIS CHART IS REQUIRED TO ENABLE THE PROPER SELECTION AND ORDERING OF A GENERATOR MOUNTED ELECTRONIC MODULAR CONTROL PANEL, FOR USE WITH A CATERPILLAR AUTOMATIC STANDBY OR MANUAL PRIME POWER PACKAGE GENERATOR SET. THE CHART DEFINES THE CONTROL PANEL DESIGN AND BILL OF MATERIAL BY ESTABLISHING A MULTI-CHARACTER MODEL NUMBER.

II. MODEL NUMBER SELECTION

THE MODEL NUMBER OF THE CONTROL PANEL IS ESTABLISHED BASED ON PANEL OPTIONS AND GENERATOR RATINGS (EXAMPLE:EB3JJS4D1BDXXPF1CE7). THE MODEL IS DEVELOPED ONECHARACTER AT A TIME BY FOLLOWING THE INSTRUCTIONS ON SHEETS 1-6. A GENERAL DEFINITION OF MODEL NUMBER CHARACTERS APPEARS BELOW:



GRAPHIC #1 g00594747

III. DESCRIPTION OF EQUIPMENT SPECIFIED BY MODEL NUMBER

1 — AN "E" AS THE FIRST CHARACTER OF THE MODEL NUMBER SPECIFIES THAT THE CONTROL PANEL IS AN ELECTRONIC MODULAR TYPE WITHOUT POWER METERING. AN "H" INDICATES THAT THE PANEL IS WITHOUT POWER METERING AND IS BUILT AND TESTED TO MEET CANADIAN STANDARDS ASSOC (CSA APPROVAL). A "P" INDICATES THE PANEL CONTAINS POWER METERING. A "T" INDICATES THAT THE PANEL CONTAINS POWER METERING AND IS BUILT AND TESTED TO MEET CANADIAN STANDARDS ASSOC (CSA APPROVAL).

	PANEL TYPE	VOLTAGE ADJ RHEOSTAT	GSC TYPE	ATB TYPE	KW RELAY	INSTRUCTION SET
E	STANDARD PANEL (NO POWER METERING)	129-0308	133-6351	101-0225	———	129-4055
H	CSA APPROVED STD PANEL TESTED PER 3L-0369 INCLUDES 132-2112 FILM	7C-4471				
P	STANDARD PANEL WITH POWER METERING	129-0308	118-2071	118-0175	128-3326	138-9422
T	CSA APPROVED PANEL WITH POWER METERING TESTED PER 3L-0369 INCLUDES 132-2112 FILM	7C-4471				

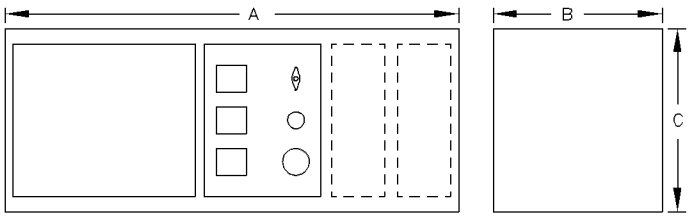
2 — THE SECOND CHARACTER OF THE MODEL NUMBER SPECIFIES THE CONTROL PANEL MOUNTING SIZE AND DUSTPROOF OPTION. SEE TABLE 1 AND FIGURE 1. DUSTPROOF OPTION SATISFIES NEMA 12 AND IP44.

EB3JJS4D1BDXXPF1CE7

TABLE 1

	PANEL MTG AND TYPE	GENERATOR FRAME SIZE	PANEL DIMENSIONS A	B	C	VANDAL DOOR AS.	DUSTPROOF KIT
A	STANDARD TOP MTD	360	698.5	323.8	323.8	REQUIRED	———
B	STANDARD TOP MTD	440 580/680	698.5	323.8	323.8	REQUIRED	———
C	TOP MTD DUSTPROOF	360	698.5	323.8	323.8	REQUIRED	103-8975
D	TOP MTD DUSTPROOF	440 580/680	698.5	323.8	323.8	REQUIRED	103-8975

FIGURE 1



3 — THE THIRD CHARACTER OF THE MODEL NUMBER SPECIFIES THE GENERATOR AC OPERATING VOLTAGE & THE RESULTING AC METERING MODULE VOLTMETER SCALING SELECTION.

MODEL EB3JJS4D1BDXXPF1CE7

	GENERATOR VOLTAGE(S) (LINE TO LINE)	VOLTMETER SCALING SELECTION PROGRAMMING	JUMPER
2	0 -150 VAC L-L	150	NO
3	151-600 VAC L-L	600	YES
4	2400 VAC L-L	3.00 KV	NO
5	3300 VAC L-L	4.50 KV	NO
6	4160 VAC L-L	5.25 KV	NO

REF: REPUBLIC ELECTRIC AND DEVELOPMENT CO

GRAPHIC #2 g00594750

4 —— THE FOURTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE AMMETER SCALING SELECTION AND CURRENT TRANSFORMER. (GENERATOR POWER RATING MUST BE LESS THAN OR EQUAL TO VALUES GIVEN IN TABLE BELOW.)

MODEL EB3JJS4D1BDXXPF1CE7

GENERATOR EKW OUTPUT TABLE CALCULATED FROM RATED OUTPUT VOLTAGE AT 0.80 POWER FACTOR WITH 15% MARGIN. (GENERATOR POWER RATING MUST BE LESS THAN OR EQUAL TO VALUES GIVEN IN TABLE BELOW.)

	GENERATOR EKW RATING AT-VOLTAGES (L-L, RMS):										
	200 VAC	208 VAC	220 VAC	240 VAC	300 VAC	380 VAC	400 VAC	416 VAC	440 VAC	480 VAC	600 VAC
C	20EKW	25EKW	25EKW	25EKW	35EKW	45EKW	45EKW	50EKW	50EKW	55EKW	70EKW
D	35	35	35	40	50	65	70	75	75	85	105
E	45	50	50	55	70	90	95	100	105	115	140
F	70	75	75	85	105	135	140	150	155	170	215
G	95	100	105	115	140	180	190	200	210	230	285
H	140	150	155	170	215	270	285	300	315	345	430
J	190	200	210	230	285	365	385	400	420	460	575
K	240	250	265	285	360	455	480	500	530	575	720
L	285	300	315	345	430	545	575	600	635	690	865
M	360	375	395	430	540	685	720	750	795	865	1080
N	480	500	530	575	720	915	960	1000	1060	1155	1445
P	600	625	660	720	900	1145	1205	1250	1325	1445	1805
R	720	750	795	865	1080	1370	1445	1500	1590	1735	2165
S	960	1000	1060	1155	1445	1830	1925	2005	2120	2310	2890

	AMMETER (TRANSFORMER RATED)			CURRENT TRANSFORMERS			
				ROUND		SQUARE	
	QTY	SCALE	PROGRAM SETTING	QTY	RATIO	PART NO	RATIO	PART NO
C	1	0- 100 AMPS	100	3	100:5	5N-5429	——	——
D	1	0- 150 AMPS	150	3	150:5	4W-8102	——	——
E	1	0- 200 AMPS	200	3	200:5	5N-5430	——	——
F	1	0- 300 AMPS	300	3	300:5	5N-5431	——	——
G	1	0- 400 AMPS	400	3	400:5	5N-5432	——	——
H	1	0- 600 AMPS	600	3	600:5	5N-5433	600:5	6I-1952
J	1	0- 800 AMPS	800	3	800:5	5N-5434	800:5	7E-1112
K	1	0-1000 AMPS	1000	3	1000:5	7W-8839	1000:5	7E-1113
L	1	0-1200 AMPS	1200	3	1200:5	7W-8838	1200:5	7E-1114
M	1	0-1500 AMPS	1500	3	1500:5	7W-8837	1500:5	7E-1115
N	1	0-2000 AMPS	2000	3	2000:5	7W-8836	2000:5	7E-1116
P	1	0-2500 AMPS	2500	3	2500:5	7W-8835	2500:5	7E-1117
R	1	0-3000 AMPS	3000	3	3000:5	7W-6598	3000:5	7E-1118
S	1	0-4000 AMPS	4000	3	4000:5	7W-7805	4000:5	7E-1119

NOTE:SQUARE CURRENT TRANSFORMERS TO BE SUPPLIED IF 5TH CHARACTER OF CONTROL PANEL MODEL NUMR IS M THROUGH P (3408 AND 3412). ROUND CURRENT TRANSFORMERS TO BE SUPPLIED WITH ALL OTHER ENGINE SALES MODELS.

GRAPHIC #3 g00594751

5 —— THE FIFTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE PACKAGE GENERATOR SET ON WHICH THE PANEL WILL BE INSTALLED & SOME ENGINE CONTROL MODULE SETTINGS.

MODEL EB3JJS4D1BDXXPF1CE7

PACKAGE GENERATOR SET	CHARACTER	ENGINE CONTROL MODULE SETTINGS					
		FAULT SHUTDOWN SETTINGS				OIL STEP SPEED	CRANK TERMINATION SPEED
		OIL PRESSURE		COOLANT TEMP °C(°F)	OVER-SPEED		
		HI RPM KPA(PSI)	LOW RPM KPA(PSI)				
3114 PRIME	A	206(30)	68(10)	107(225)	SAME AS 3208	SAME AS 3208	
3116 PRIME	B						
3208 STANDBY	C	206(30)	68(10)	113(235)			
3208 PRIME	D			107(225)			
3304 STANDBY	E			113(235)			
3304 PRIME	F	82(12)	68(10)	107(225)			
3306 STANDBY	G			107(225)			
3306 PRIME	H			107(225)			
3406 STANDBY	J						
3406 PRIME	K						
3408 STANDBY	M				REF 3L-0332	REF 3L-0332	
3408 PRIME	N	206(30)	68(10)	107(225)			400 RPM
3412 STANDBY	O						
3412 PRIME	P						

NOTE: IF CONTROL PANEL MODEL NUMBER 5TH CHARACTER IS "M" THROUGH "P", 7E-8396 AUXILIARY FUEL CONTROL RELAY GROUP IS INCLUDED.

6 —THE SIXTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE TYPE OF THE ENGINE FUEL CONTROL SOLENOID.

MODEL EB3JJS4D1BDXXPF1CE7

	FUEL CONTROL SOLENOID TYPE	PROGRAM ENGINE CONTROL MODULE FOR:	SHUT-OFF GP
R	ENERGIZED TO RUN	ENERGIZED TO RUN	111-7760
S	ENERGIZED TO SHUTOFF	ENERGIZED TO SHUTOFF	111-7761

GRAPHIC #4 g00594754

7 —— THE SEVENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE NUMBER OF TEETH ON THE FLYWHEEL OF THE GENSET THAT THE CONTROL PANEL WILL BE INSTALLED ON. IT IS IMPORTANT THAT THE CORRECT NUMBER OF TEETH BE PROGRAMED INTO THE ENGINE CONTROL MODULE TO ASSURE PROPER OPERATION.

MODEL EB3JJS4D1BDXXPF1CE7

	NUMBER OF FLYWHEEL TEETH	PACKAGE GANERATOR SET	GENERATOR FRAME SIZE
2	136	3412,3408	ALL
3	136	3406(# 0 FLYWHEEL HOUSING)	582
4	113	3406(# 1 FLYWHEEL HOUSING)	ALL
5	156	3306,3304	ALL
6	134	3208 ,3114,3116	ALL

REFER TO CHART 3L-0332 TO ASSIST IN DETERMINING NUMBER OF FLYWHEEL TEETH.

8 —— THE EIGHTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE RATED SPEED AT WHICH THE GENERATOR SET WILL OPERATE.

MODEL EB3JJS4D1BDXXPF1CE7

	RATED SPEED (RPM)
A	1000
B	1200
C	1500
D	1800

9 —— THE NINTH CHARACTER OF THE MODEL NUMBER SPECIFIES CONTROL PANEL MOUNTED GOVERNOR OPTIONS, IF REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	GOVERNOR OPTION	GOVERNOR TYPE	GOV SW	GOVERNOR GP-ELECTRONIC	GOVERNOR FUSE	
					PART #	QTY
X	NONE, OR SHIPPED LOOSE CUSTOMER INSTALLED 2301A GOVERNOR	CAT HYDRA-MECH, 2301A LOAD SHARING	—	—	NOT REQUIRED	—
1	GOVERNOR SWITCH GP	CAT HYDRA-MECH PSG,3161	7N-8008	—	NOT REQUIRED	—
2	GEN DEC	GEN DEC	7N-8008	—	NOT REQUIRED	
5	524/1724/8290 GOVERNOR	ELECTRONIC SPEED SENSING	—	7E-1232	3K-8782	1
6	2301A GOVERNOR	2301A SPEED SENSING	—	4P-2788	7T-0037	1

GRAPHIC #5 g00594755

10 — THE TENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE TYPE OF ALARM MODULE REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	MODULE TYPE	CONTROL GP	COVER PLATE
X	NOT REQUIRED	–	7C-1009
A	ALARM (NFPA99)	9Y-2907	–
B	ALARM (NFPA110)	9Y-2906	–
C	ALARM (PRIME POWER)	7E-1234	–
D	ALARM (CUSTOM)	130-3325	–

11 — THE ELEVENTH CHARACTER OF THE MODEL NUMBER SPECIFIES EITHER THE CUSTOM ALARM MODULE,OR SYNCHRONIZING LIGHT MODULE,OR THE SYNCHRONIZING LIGHT MODULE WITH GENERATOR REVERSE POWER PROTECTION IF REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	MODULE TYPE	PART NO.			
		MODULE OR CONTROL GP	REVERSE POWER RELAY	FILMS	COVER PLATE
X	NOT REQUIRED	NOT REQUIRED	–	–	7C-1009
A	ALARM (CUSTOM)	130-3333	–	–	–
B	SYNC LIGHTS (0-480V L-L)	106-5171	–	–	–
C	SYNC LIGHTS (600V L-L)	106-5169	–	–	–
D	SYNC LIGHTS (0-480V L-L) WITH REVERSE POWER	106-5171	5N-5510	7C-4062	–
E	SYNC LIGHTS (600V L-L) WITH REVERSE POWER	106-5169	7C-4378	7C-4062	–

NOTE: ABOVE OPTIONS D AND E ARE NOT COMPATIBLE WITH OPTIONS P AND T OF THE FIRST CHARACTER.
REVERSE POWER RELAY SHALL BE SET AT APPROX 15% OF GENERATOR RATING.

12 — THE TWELFTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE PANEL MOUNTED GENERATOR OVERVOLTAGE OR OVERCURRENT RELAY,IF REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	RELAY TYPE	RELAY P/N
X	NOT REQUIRED	———
1	208 V OVERVOLTAGE THREE PHASE	123-4944
2	240 V OVERVOLTAGE THREE PHASE	123-4945
3	416 V OVERVOLTAGE THREE PHASE	123-4946
4	480 V OVERVOLTAGE THREE PHASE	123-4947
5	600 V OVERVOLTAGE THREE PHASE	126-0558
6	3 PHASE OVERCURRENT RELAY	112-7959

NOTE: ABOVE OPTIONS #1,#2,#3,#4,#5 AND #6 ARE NOT COMPATIBLE WITH OPTIONS P AND T OF THE FIRST CHARACTER OR OPTIONS D AND E OF THE ELEVENTH CHARACTER. OVERVOLTAGE AND OVERCURRENT RELAY PICK-UP SETTINGS SHALL BE SET AT ITS MAXIMUM VALUE.

GRAPHIC #6 g00594756

13 —THE THIRTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE STARTING AID SWITCH OPTION, IF REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	QTY	STARTING AID SWITCH	METER PANEL FILM
X	0	NOT REQUIRED	103-1837
S	1	9D-3721 MANUAL	103-1837
A	1	8C-9812 AUTOMATIC	103-1838

NOTE: ABOVE CHARACTER "A" PERMITS INJECTION OF ETHER INTO ENGINE AFTER CRANK TERMINATION IF JACKET WATER TEMPERATURE IS LESS THAN 70 °F (52 °C)

14 —THE FOURTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE PANEL ILLUMINATION LIGHT GROUP AND AUXILIARY RELAY OPTION,IF REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	QTY	LAMP HOUSING AS.	LAMP	SWITCH	PLUG BUTTON	RELAY GP
X	0	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	———
	2	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	5P-4935	———
P	2	7G-9730	7N-5876	———	NOT REQUIRED	———
	1	——	———	8D-2676	NOT REQUIRED	128-3326

15 —THE FIFTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE ENGINE FAILURE RELAY. THIS PROVIDES A SET OF "DRY" CONTACTS FOR ANY ENGINE FAILURE.

MODEL EB3JJS4D1BDXXPF1CE7

	RELAY GP
X	–
F	128-3326

16 —THE SIXTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE NUMBER OF 24VDC STARTING MOTORS PROVIDED ON THE PACKAGE GENERATOR SET, TO BE CONTROLLED BY THE PANEL.

MODEL EB3JJS4D1BDXXPF1CE7

		QTY	STARTER MOTOR MAGNETIC SWITCH(S)	CIRCUIT BREAKER PART #	
				3114 & 3116 PRIME GENSETS (REF:MODEL # CHARACTER 5)	ALL OTHER GENSETS
1	SINGLE STARTING MOTOR	1	9X-8124	9H-1958	1N-9770
2	DUAL STARTING MOTORS	2	9X-8124	——	——
		1	——	——	9H-1958

17 —THE SEVENTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE COOLANT LOSS SENSOR AND OIL TEMPERATURE SENSOR OPTION, IF REQUIRED.

MODEL EB3JJS4D1BDXXPF1CE7

	QTY	SENSOR TYPE	HARNESS CONNECTOR
X	0	———	NOT REQUIRED
C	1	COOLANT LOSS	3E-3367
D	1	OIL TEMPERATURE	3E-3370
E	1	COOLANT LOSS	3E-3367
	1	OIL TEMPERATURE	3E-3370

NOTE: ABOVE OPTIONS D AND E ARE NOT COMPATIBLE WITH OPTIONS E AND H OF THE FIRST CHARACTER.

GRAPHIC #7 g00594759

18—THE EIGHTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE UNITS USED IN DISPLAYING OIL PRESSURE & COOLANT TEMPERATURE ON THE ENGINE CONTROL MODULE.

MODEL EB3JJS4D1BDXXPF1CE7

E	ENGLISH UNITS (PSI, °F)
M	METRIC UNITS (kPa, °C)

19—THE NINETEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE CHANGE LEVEL OF THIS CHART TO WHICH THE PANEL WAS BUILT.

MODEL EB3JJS4D1BDXXPF1CE7

FOR EXAMPLE THIS MEANS CHANGE LEVEL 7. REFER TO DRAWING TITLE BLOCK AND/OR CONTROL PANEL IDENTIFICATION TAG FOR ACTUAL CHANGE LEVEL.

IV. IN ADDITION TO THE COMPONENTS SPECIFIED BY THE MODEL NUMBER, THE FOLLOWING COMPONENTS ARE REQUIRED TO COMPLETE THE CONTROL PANEL.

	PART NO.		
2	125-9969	RAIL	
2	5N-5159	JUMPER	
1	3N-5979	SWITCH	ENGINE CONTROL SWITCH & KNOB
3	-	TERMINALS FOR WIRE T1,T2,T3	ETC MOLEX INC, PART NO. B-201-38HDX
1	7C-0974	FILM	WARNING ELECTICAL SHOCK HAZARD
2	3N-5611	SHOCK MOUNT AS.	REAR, MULTIPLANE MOUNTS
2	7C-6121	SHOCK MOUNT	FRONT, SANDWICH MOUNTS
1 LOT	-	INTERNAL WIRING	APPROVED BY CAT
1 LOT	-	LABELS-COMPONENT	APPROVED BY CAT
1	-	WIRING HARNESS	PANEL INTERCONNECT TO GENERATOR WITH SPRING SPADE TERMINALS
3	7W-0482	FUSE	2 AMP, 600 VOLT AC
16	3K-8782	FUSE	10 AMP, 32 VAC (8 INSTALLED & 8 SPARES)
1 LOT	-	SHEET METAL COMPONENTS	CONTROL PANEL ENCLOSURE COMPONENTS
1	8T-2882	HANDLE	INSTRUMENT PANEL DOOR HANDLE
1 LOT	-	TETHER(S) & ASSOC. HARDWARE	INSTRUMENT DOOR TETHER(S)
1	6V-6640	SEALANT	ACCESS COVER SEALANT (USE AS REQUIRED)
1	9Y-9771	FILM	PANEL IDENTIFICATION NAMEPLATE
1	9Y-9782	FILM	10A DC FUSE REPLACEMENT INFORMATION LABEL
1	9Y-9783	FILM	2A AC FUSE REPLACEMENT INFORMATION LABEL
1	2W-4899	DIODE	5A 600PIV FLYBACK DIODE WITH BLADE CONNECTORS
1	5N-4988	DIODE	5A 600PIV FLYBACK DIODE WITH SPADE LUGS
1	101-9798	PANEL AS.	SUB PANEL ASSEMBLY
3	4P-2160	WASHER	
3	4P-2161	SCREW	METER PLATE HARDWARE
3	4P-2162	CLIP	
20dm	5N-8359	CONDUIT	1" PLASTIC CONDUIT AND HARDWARE
2	5N-9072	CLIP	
2	5N-9067	COLLAR	
2	062-5388	LOCKNUT	
2	5N-9117	ADAPTER	
1	103-1838	FILM	
1	4D-1260	STRIP-TERMINAL	AUXILIARY TERMINAL STRIP
1	141-2064	FILM	AUXILIARY TERMINAL STRIP FILM
1	3E-3388	RECEPTACLE AS.	8 PIN RECEPTACLE TO MATCH ATB
1	3E-6286	PLUG AS.	40 PIN PLUG TO MATCH GSC
1	3E-3379	PLUG AS.	6 PIN PLUG FOR SENSOR HARNESS
4	2N-3479	SCREW	SHOCK MOUNT HARDWARE
4	4B-4274	WASHER	
4	8C-7507	LOCKWASHER	
4	4B-2049	NUT	
2	0L-2070	BOLT	MOUNTING HARDWARE
2	4D-1326	LOCKWASHER	
2	6V-8801	NUT	
1	4W-5972	KNOB	KNOB FOR VOLTAGE LEVEL ADJUST POT.
1	106-9926	FILM	COMPONENT I.D.FILM
1	103-6197	BLOCK-TERMINAL	4 POINT GROUNDING BLOCK-SUBPAN

GRAPHIC #8 g00594760

V.——— GENERAL REQUIREMENTS

1. ALL CONTROL PANELS SHALL CONTAIN THE APPROPRIATE SPACE,WIRING,HOLES,ETC. TO SUPPORT THE FIELD INSTALLATION OF ANY OPTION LISTED ON THIS CHART. REFER TO DIMENSIONAL DRAWINGS 142-7578 OR 102-6300 FOR GENERAL ENCLOSURE DIMENSIONS.
2. THE COMPLETED CONTROL PANEL SHALL BE FINISHED PAINTED CATERPILLAR YELLOW,1E2139,WITH THE INSTRUMENT DOOR PAINTED FLAT BLACK.
3. A SUPPLIER NAMEPLATE WILL BE ATTACHED INSIDE THE PANEL. 129-4053 AND THE CONTROL PANEL MODEL NUMBER SHALL BE STAMPED ON THIS NAMEPLATE, ALONG WITH THE DATE CODE.
4. A COMPLETE SET OF CAT DRAWINGS INCLUDING OUTLINE DRAWING, WIRING DIAGRAMS, SCHEMATIC DIAGRAMS,INTERCONNECT DIAGRAM SHALL BE PACKED WITH EACH CONTROL PANEL.
5. STANDARD HARDWARE FASTENERS USED FOR SHEETMETAL TO SHEETMETAL SECUREMENT SHALL BE TORQUED TO THE VALUES GIVEN BELOW. IN ADDITION TYPE B LOCTITE SEALANT, AS SPECIFIED BY 1E2200, SHALL BE USED EXCEPT ON INSTRUMENT PANEL DOOR FASTENERS.

SCREW SIZE (INCH)	STANDARD HARDWARE			
	NEWTON-METERS		FOOT-LBS	
	MIN	MAX	MIN	MAX
4-40	0.37	0.53	0.3	0.4
6-32	0.69	0.98	0.5	0.7
8-32	1.41	2.01	1.0	1.5
10-32	2.35	3.36	1.7	2.5
1/4-20	5.70	8.14	4.2	6.0
5/16-18	10.44	14.91	7.7	11.0
3/8-16	18.03	25.76	13.3	19.0
7/16-14	28.48	40.68	21.3	30.0
1/2-13	42.71	61.02	31.5	45.0
9/16-12	62.65	89.50	46.2	66.0
5/8-11	88.28	126.11	65.1	93.0
3/4-10	142.38	203.40	105.0	150.0
7/8-9	191.74	273.91	141.4	202.0

VI.—— CATERPILLAR REFERENCE DRAWING

129-4055 CHANGE 04 INSTRUCTIONS (EMCP II)
138-9422 CHANGE 03 INSTRUCTIONS (EMCP II+)

VII.— CATERPILLAR MISCELLANEOUS DRAWINGS

102-0050 WATER TEMP SENSOR
145-2362 OIL PRESSURE SENSOR
111-3794 COOLANT LOSS SENSOR

GRAPHIC #9 **<END>** g00594761

SERVICE EQUIPMENT AND SUPPLIES

6L-4502 CHART-PLATE & FILM

S/N: KPS1-UP

SMCS-7557 **i01974342**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	4W-6412	1	FILM (3400 MAINTENANCE)	
			INSTALL ON SIDE OF ENGINE OIL COOLER	
			OR ON RH SIDE OF OIL PAN.	
	114-5988	1	FILM-IDENTIFICATION (FUEL FILTER)	
			INSTALL ON SPIN-ON FUEL FILTER.	
	115-5852	1	PLATE & FILM GP (ENGINE) (ENGINE RATING)	
			INSTALL ON TOP OF REAR VALVE COVER IN FRONT OF RECESS OR BOSS READABLE FROM REAR OF ENGINE.	
			INSTALL LAMINANT OVER THE TOP SILVER FILM.	
	7E-2681	1	PLATE-IDENTIFICATION (CATERPILLAR)	
			INSTALL IN CENTER OF FRONT VALVE COVER.	
	9L-6531	1	PLATE-INFORMATION (ENGINE RATING)	
			INSTALL ON REAR VALVE COVER TOWARDS	
			FRONT OF ENGINE. USE LOCTITE COMPANY	
			DEPEND ADHESIVE.	
	3N-3790	1	PLATE-SERIAL NUMBER (ENGINE) (USA)	
			INSTALL IN UPPER RH CORNER OF CYLINDER	
			BLOCK APPROXIMATELY 163MM FROM REAR	
			FACE OF BLOCK TO LH SIDE OF PLATE AND	
			152MM FROM TOP FACE OF BLOCK TO TOP OF	
			PLATE USING LOCTITE COMPANY DEPEND.	
			STAMP SERIAL NUMBER IN BLOCK JUST BELOW	
			PLATE IN FIGURES 6 HIGH.	
	8L-8413	1	STRAP-CABLE	
			INSTALL PRESTART TAG.	
	3N-3469	1	TAG-INSTRUCTION (ENGINE PRESTART)	
			INSTALL ON RH OR LH SIDE OF ENGINE IN A	
			VISIBLE LOCATION. DO NOT INSTALL ON	
			FRONT OF REAR OF ENGINE OF COMPONENT.	

<END>

230-9026 CONVERSION AR-FAST FILL—QUICKEVAC

S/N: KPS1-UP

FIELD INSTALLATION

SMCS-1273, 1302, 7513, 7540 **i01922308**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

SERVICE EQUIPMENT AND SUPPLIES

145-9412 KIT-CONTROL PANEL INSTALLATION

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

PART OF 145-9408, 145-9409 PANEL AR-CONTROL

SMCS-7451 **i01931372**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	9X-0435	1	ADAPTER	
	5N-9117	1	ADAPTER	
	4L-6454	3	BOLT (3/8-16X1 IN)	
	1S-2294	4	BOOT	
	1S-2244	2	BOOT	
	8M-2773	4	CLIP	
	4D-7388	4	CLIP	
	4P-7581	5	CLIP	
	7C-4354	4	CLIP	
	4P-8134	5	CLIP	
	5N-9072	1	CLIP	
	5N-9067	1	COLLAR	
	6V-5819	6	CONDUIT-FLEXIBLE	
	6V-5817	6	CONDUIT-FLEXIBLE	
	6V-5818	4	CONDUIT-FLEXIBLE	
	144-0840	1	FILM-INFORMATION (SYMBOL DESCRIPTION)	
	109-4388	1	FILM-INSTRUCTION (ECMP II STARTING)	
	109-4389	1	FILM-WARNING (SECONDARY STOP ACCESS)	
	5N-5159	4	JUMPER-STRIP	
	102-8805	1	KIT-RECEPTACLE (6 PIN)	
	5P-0372	1	LOCK PIN	
	3K-6060	2	LOCKNUT	
	9S-5937	7	LOCKNUT	
	3E-9865	2	LOCKNUT	
	062-5388	1	LOCKNUT	
	9F-8125	1	LOCKWASHER (5.18X10.31X.02 IN)	
	6V-8801	3	NUT (3/8-16 THD)	
	1B-0676	1	PIN	
	8T-8729	9	PIN-CONNECTOR	
	5S-3552	2	PLATE	
	3E-3382	1	RECEPTACLE AS (6 PIN)	
	3E-3383	1	WEDGE-RECEPTACLE LOCK	
	102-8805	1	KIT-RECEPTACLE (6 PIN) (CONTROL PANEL INSTALLATION)	
	3E-3370	1	RECEPTACLE AS (3 PIN)	
	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
	102-8803	1	KIT-RECEPTACLE (3 PIN) (CONTROL PANEL INSTALLATION)	
	6V-7978	7	SCREW-MACHINE (10-32X0.375 IN)	
	7C-2675	3	SEAL-BELLOWS	
	6V-5048	1	SEAL-O-RING	
Y	**111-3794**	1	SENSOR GP-LIQUID LEVEL (ENGINE COOLANT)	406
Y	**216-8684**	1	SENSOR GP-PRESSURE (ENGINE OIL)	409
Y	**102-0050**	1	SENSOR GP-TEMPERATURE (ENGINE COOLANT)	413
	8T-8730	2	SOCKET-CONNECTOR	
	8L-8413	40	STRAP-CABLE	
	3S-2093	15	STRAP-CABLE	

Y-SEPARATE ILLUSTRATION

<END>

SERVICE EQUIPMENT AND SUPPLIES

151-5554 KIT-CONTROL PANEL INSTALLATION

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP

PART OF 151-5550, 151-5551 PANEL AR-CONTROL

SMCS-7451 **i01931373**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5N-9117	1	ADAPTER	
	9X-0435	1	ADAPTER	
	4L-6454	4	BOLT (3/8-16X1 IN)	
	8T-9377	2	BOLT (3/8-16X2.25 IN)	
	1S-2244	2	BOOT	
	1S-2294	4	BOOT	
	4D-7388	4	CLIP (M10 OR 3/8 IN ID)	
	4P-7581	5	CLIP (USE WITH 7.9MM WIDE TIE WRAP)	
	4P-8134	5	CLIP (USE WITH 7.9MM WIDE TIE WRAP)	
	5N-9072	1	CLIP (1/2 IN ID)	
	7C-4354	4	CLIP (M10 OR 3/8 IN ID)	
	8M-2773	4	CLIP (11/16 IN ID LOOP)	
	5N-9067	1	COLLAR	
	6V-5817	6	CONDUIT-FLEXIBLE	
	6V-5818	4	CONDUIT-FLEXIBLE	
	6V-5819	6	CONDUIT-FLEXIBLE	
	144-0840	1	FILM-INFORMATION (SYMBOL DESCRIPTION)	
	144-0861	1	FILM-INSTRUCTION (ECMP II+ STARTING)	
	109-4389	1	FILM-WARNING (SECONDARY STOP ACCESS)	
	5N-5159	4	JUMPER-STRIP	
	5P-0372	1	LOCK PIN	
	3E-9865	2	LOCKNUT	
	3K-6060	2	LOCKNUT	
	9S-5937	7	LOCKNUT (10-32 THD)	
	062-5388	1	LOCKNUT (1-11 1/2 NPS THD)	
	9F-8125	1	LOCKWASHER (5.18X10.31X.02 IN)	
	6V-8801	4	NUT (3/8-16 THD)	
	1B-0676	1	PIN	
	8T-8729	9	PIN-CONNECTOR	
	5S-3552	2	PLATE	
	102-8803	1	KIT-RECEPTACLE (3 PIN) (CONTROL PANEL INSTALLATION)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	102-8805	1	KIT-RECEPTACLE (6 PIN) (CONTROL PANEL INSTALLATION)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	6V-7978	7	SCREW-MACHINE (10-32X0.375 IN)	
	7C-2675	3	SEAL-BELLOWS	
	6V-5048	1	SEAL-O-RING	
Y	**111-3794**	1	SENSOR GP-LIQUID LEVEL (ENGINE COOLANT)	406
Y	**216-8684**	1	SENSOR GP-PRESSURE (ENGINE OIL)	409
Y	*4P-7610*	1	SENSOR GP-SPEED (ENGINE)	411
Y	**102-0050**	1	SENSOR GP-TEMPERATURE (ENGINE COOLANT)	413
	8T-8730	2	SOCKET-CONNECTOR	
	3S-2093	15	STRAP-CABLE	
	6K-0806	20	STRAP-CABLE	
	7K-1181	20	STRAP-CABLE	
	8L-8413	40	STRAP-CABLE	
	4D-1260	3	STRIP AS-TERMINAL	
	7C-4551	1	STRIP-MARKER	
	7C-4552	1	STRIP-MARKER	
	108-2780	1	STRIP-MARKER	
	2L-8081	3	TERMINAL (14-16 GA) (12.7MM)	
	5P-1477	5	TERMINAL	
	5P-2321	2	TERMINAL (16-14 GAUGE)	
	090-4715	2	TERMINAL (18-22 GAUGE, 16MM)	

151-5554 KIT-CONTROL PANEL INSTALLATION *(contd.)* i01931373

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	5P-1475	4	TERMINAL-BLADE (14 GAUGE)	
	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)	
	8T-4226	4	WASHER-PLATED (10.5X45X3MM THK)	
	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
	3E-3383	1	WEDGE-RECEPTACLE LOCK	
	7W-0922	1	WIRE AS-STRAP	
	2L-8076	1	TERMINAL-RING	
	5P-1476	1	TERMINAL-BLADE	
Y-SEPARATE ILLUSTRATION				

<END>

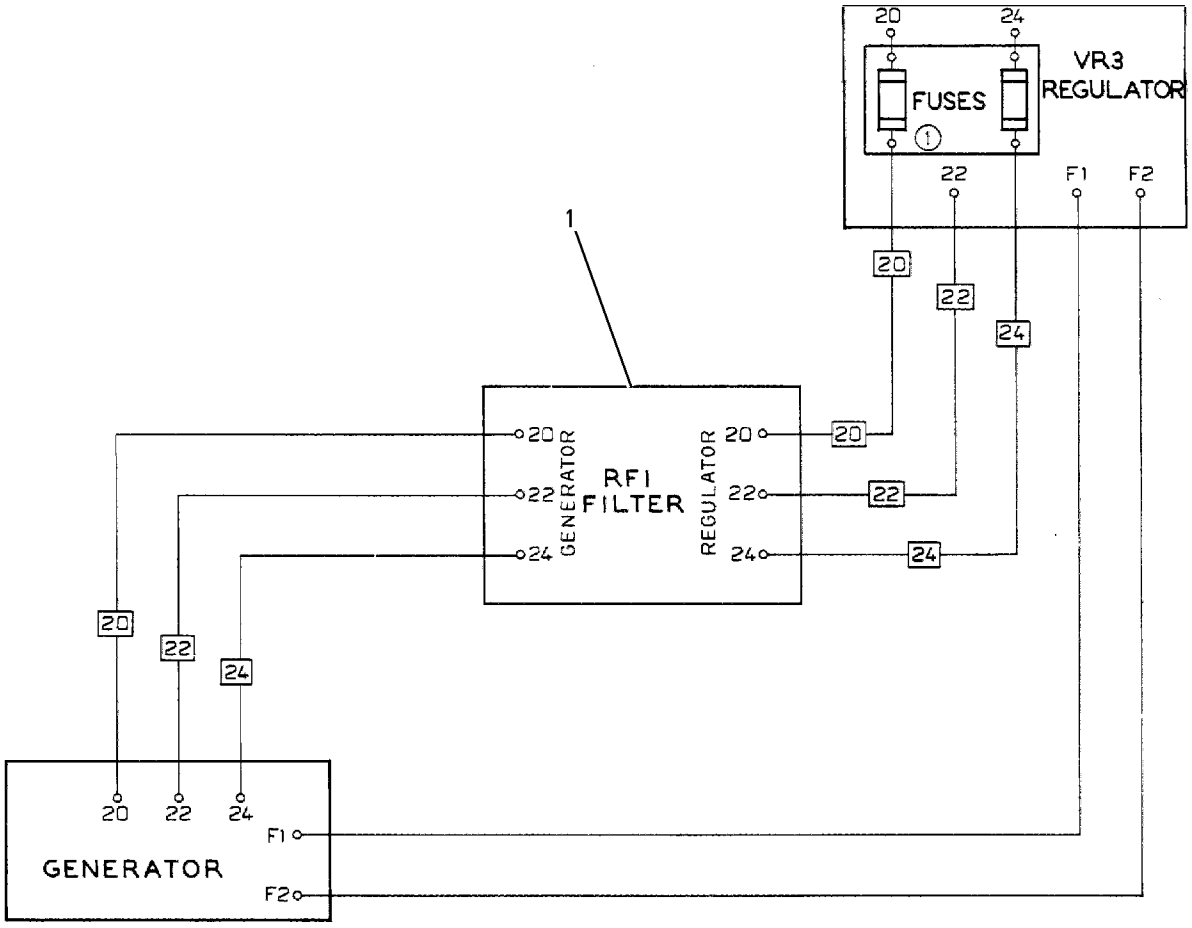
SERVICE EQUIPMENT AND SUPPLIES

7E-5034 KIT-RFI FILTER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
240 VOLT
FOR USE WITH VR3 REGULATOR
AN ATTACHMENT

SMCS-4479 **i01581643**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-0968**	1	KIT-RFI FILTER	



GRAPHIC #1 **<END>** g00820768

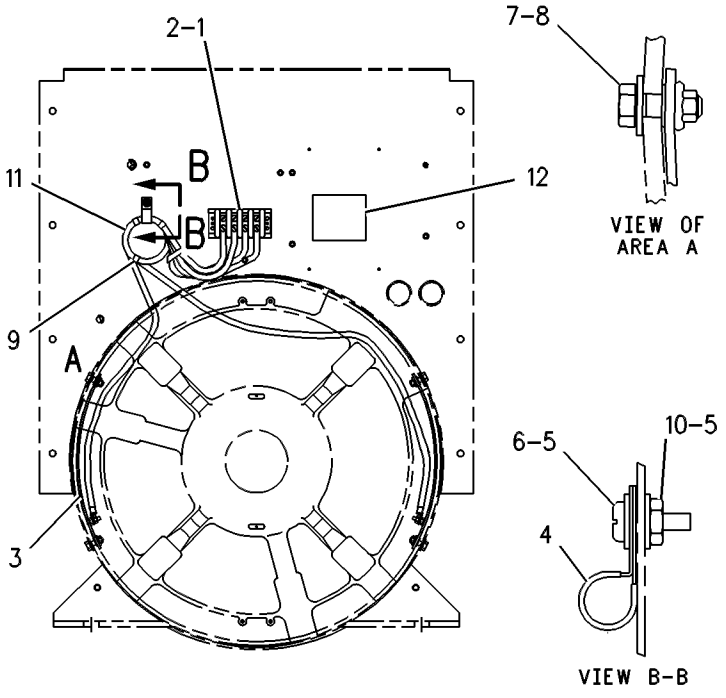
4P-5639 KIT-SPACE HEATER

S/N: 8ER3559-UP; 9CR2744-UP; 9DR4432-UP
2-250 WATT, 120 VOLT. 440 FRAME
AN ATTACHMENT

SMCS-7274 **i01903729**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6L-7575**	1	STRIP-TERMINAL	
	2	1	**3N-8763**	1	STRIP-MARKER	
		1	**8C-4642**	2	SCREW-MACHINE	
		1	**4B-2043**	2	NUT (8-32 THD)	
		1	**4B-4863**	2	WASHER (4.7X11X1.2MM THK)	
	3	1	**4P-3829**	2	HEATER-SPACE	
	4	1	**8J-1256**	1	CLIP	
	5	1	**4B-4274**	2	WASHER (5.5X13X1.2MM THK)	
	6	1	**5M-5845**	1	SCREW (M10-32X.625)	
	7	1	**8T-9043**	4	BOLT (5/16-18X.875 IN)	
	8	1	**5P-4116**	4	WASHER-HARD (8.8X20.5X2MM THK)	
B	9	1	**8L-8413**	4	STRAP-CABLE	
	10	1	**4B-2049**	1	NUT (10-32 THD)	
	11	1	**105-6624**	1	LEAD AS	
	12	1	**3N-8764**	1	FILM-CONNECTION (SPACE HEATER)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00256794

PART NUMBER INDEX

Part	Page
0	
0L-1022	73
0L-1143	79
	110
	130
0L-1351	84
	87
	88
	110
	253
0L-1352	57
0L-2070	39
	107
	126
	128
0S-0509	12
	85
	86
	110
	139
	150
0S-1347	243
0S-1566	189
	191
0S-1571	48
	91
	92
	105
	139
	195
	229
0S-1585	61
	63
	139
	192
0S-1587	99
0S-1588	17
	82
	105
	126
	128
	150
	244
	263
0S-1590	79
	107
	188
0S-1591	85
	88
	111
	122
	139
	196
0S-1594	15
	16
	17
	18
	59
	61
	63
	84
	87
	96
	111
	126
	128
	139
	215
	231
	233
	255
0S-1595	59
0S-1601	47
0S-1608	81
	139
0S-1614	222
0S-1615	139
	221
	259
	261
	264
	265
	268
	271
	508
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
0S-1616	215
	222
0S-1617	130
	253
	259
	261
0S-1618	61
	130
	259
	261
0S-1619	17
	81
	91
	92
	111
0T-0055	57
	139
0T-0065	227
0T-0573	61
	126
	128
	139
	215
	231
	233
	255
	259
	261
	264
	265
	268
	271
	508
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
1	
1A-1135	122
	171
1A-1460	63
1A-2029	46
	57
	80
	81
	88
	91
	92
	107
	111
	118
	188
1A-4784	85
1A-4907	222
1A-5964	18
1A-7669	55
1A-8285	215
1A-9579	259
	261
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
1B-0581	231
1B-0676	494
	502
	507
	654
	655
1B-1293	231
1B-2713	243
1B-2714	223
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
1B-2716	230
1B-2717	222
1B-2790	20
	259
	261
	270
1B-3867	120
1B-4430	61
1B-5170	282
1B-5174	40
	44
	124
1B-5357	172
	173
	189
	192
1B-5358	171
	189
	191
	193
1B-7182	118
	122
	130
1B-8471	124
	132
	134
	137
1B-8704	298
1B-8705	12
	48
1B-9575	145
1C-0569	198
1C-1976	124
	132
	134
	137
1D-4533	215
1D-4669	552
1D-4717	91
	101
	103
	126
	128
	548
1F-0750	431
	433

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	530
1F-4622	250
1F-6660	398
1F-7958	18
	61
	63
1H-1200	101
	103
1H-3244	293
	296
	298
1H-3338	495
1H-5514	215
1H-6936	393
	394
1H-7339	18
1H-8289	215
1J-9671	243
1K-6539	218
1L-2313	215
1L-3769	235
1L-4775	120
1L-5081	442
1L-5987	398
1L-6561	309
	312
	513
	515
1M-0644	93
	94
1M-3735	39
1M-4986	430
	431
	433
	435
1M-6119	304
	305
	306
	319
	431
	433
	435
1M-6120	304
	305
	306
	319
	431
	433
	435
1N-2984	181
1N-3181	57
1N-3257	267
1N-3447	▶188
1N-3452	188
1N-3583	235
1N-3789	234
1N-3800	243
1N-3802	243
1N-3810	84
	87
1N-3886	61
1N-3887	243
1N-3935	243
1N-4471	1
	▶180
1N-7219	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
1N-9087	298
1N-9770	314
	497
	500
	502
	504
	508
1N-9882	222
1N-9954	281
	526
1P-0436	270
1P-1367	76
1P-4923	470
	471
1P-6452	291
	292
1P-7326	309
	312
1P-7346	48
1P-9390	147
1P-9946	40
	42
	44
1R-0716	81
1R-0749	234
1S-0666	513
	515
1S-1953	265
	268
1S-2244	654
	655
1S-2294	654
	655
1S-4295	200
	203
	205
1S-4577	196
1S-4810	91
	92
1S-4974	463
	465
	467
1S-5440	225
	243
1S-6595	91
	92
1S-7056	298
1S-7251	319
	431
	433
1S-9540	23
	25
	27
1S-9544	110
1S-9593	309
	312
1U-8846	56
1U-9053	498
	501
	503
	505
1V-0002	263
1W-0512	145
1W-0947	1
	▶200
1W-1052	200
	▶201
1W-1053	▶154
	201
1W-1055	154
1W-1179	▶231
1W-1180	233
1W-1182	▶233
1W-1183	▶242
1W-1184	222
1W-1185	222
1W-1186	222
1W-1187	222
1W-1188	222
1W-1189	222
1W-1190	222
1W-1191	222
1W-1192	222
1W-1196	222
1W-1198	222
1W-1200	222
1W-1202	222
1W-1204	222
	▶250
1W-1205	▶222
	277
	278
1W-1395	1
	2
	4
	5
	6
	▶18
1W-1396	110
1W-1397	110
1W-1398	110
1W-1399	110
1W-1430	139
1W-1468	1
	2
	4
	5
	6
	▶57
1W-1469	57
1W-1471	57
1W-1669	271
1W-1698	271
1W-1699	271
1W-1700	264
	▶271
1W-1898	39
1W-2093	175
	176
	177
1W-2488	18
1W-2636	111
	139
1W-2841	442
1W-3151	253
	277
1W-3285	265
	268
1W-3728	▶202
	203
1W-3729	▶156
	202
1W-3730	202
1W-3731	156
1W-3961	244
1W-3962	244
1W-4098	243
1W-4200	91
1W-4202	91
1W-4203	2
	4
	▶91
1W-4209	2
	4
	▶203
1W-4243	243
1W-4478	139
1W-4481	139
1W-4482	139
1W-4581	228
1W-4878	▶147
1W-4879	145
1W-5106	1
	▶15
1W-5107	2
	4
	5
	6
	▶16
1W-5283	37
1W-5342	244
1W-5427	225
1W-5431	225
1W-5434	225
1W-5438	225
1W-5441	225
1W-5785	265
	268
1W-5910	271
1W-5928	513
	515

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
1W-6159	61		394		99	2N-7229	73
1W-6802	536		396	2M-1538	39	2N-8037	236
	539	2A-1162	56	2M-2488	39		238
	540	2A-1314	398	2M-4779	57		252
	541	2A-4429	33	2M-6471	37		255
1W-7238	93	2A-4996	222	2M-7819	243	2N-8109	78
	94	2B-0941	61		244	2N-8204	145
1W-7239	93		515	2M-8545	139		180
	94	2B-0947	61	2M-9780	219	2N-8220	1
1W-7303	147		189		220		2
1W-7306	147	2B-2006	18		280		4
1W-7376	1		61		358		5
	2	2B-2694	513	2N-0794	513		6
	4	2B-2695	243		515		▶78
	5	2D-4867	40	2N-0816	513	2N-8628	175
	6		42		515	2N-8630	175
	▶229		44	2N-0821	513	2P-2216	398
1W-7410	214	2D-6235	215		515	2P-2333	179
	215		507	2N-0931	115	2P-2685	291
1W-7411	▶214		557		139		292
1W-7848	558	2D-6392	275	2N-2258	309	2P-2772	17
	559	2D-7563	482		312		96
	560		483	2N-2765	175	2P-2817	69
	561	2F-7306	630		176		70
	562		631		177		72
	563	2G-5836	431		200	2P-3202	175
	564		433		203	2P-3203	66
	565	2H-0210	218		205		67
	566	2H-1193	111	2N-2766	175		175
	567	2H-3429	222		176	2P-3205	93
	568		235		177		94
	569	2J-0157	235		178	2P-4304	77
	570	2J-3505	531		179	2P-7214	253
	571		533		200	2P-9084	40
	572	2K-3219	558		203		42
1W-8235	▶228		559		205		44
1W-8347	2		560	2N-2878	275	2P-9845	75
	4		561	2N-3350	229	2R-6806	252
	5		562	2N-3385	144		253
	6		563		150	2S-1304	202
	▶145		564		151		204
1W-8584	▶118		565	2N-3475	239	2S-1647	386
1W-9070	414		566		449		389
	415		567	2N-3476	508		390
	416		568	2N-3478	485		552
1W-9113	67		569		507	2S-2053	107
1W-9167	256		570	2N-3479	309	2S-2301	513
	257		571		312	2S-2493	194
	258		572		498	2S-2760	93
1W-9168	256	2K-4973	124		501		94
	257		132		503	2S-3770	178
	258		134		505		179
1W-9169	256		137		507	2S-4652	222
	257		147	2N-3480	144	2S-6658	113
	258	2L-3331	251		309	2S-6708	194
1W-9302	21	2L-3605	198		312	2V-1713	419
1W-9460	69	2L-6243	84		508		420
	70		87	2N-4604	513	2V-7397	304
	72	2L-6267	222	2N-5775	33		305
		2L-8075	419		36		306
			420	2N-5842	75	2W-0394	309
2		2L-8076	656	2N-5848	513		312
		2L-8081	655		515	2W-0459	18
2A-0047	181	2M-0849	18	2N-5920	222	2W-0619	371
	385		61	2N-7228	73	2W-0725	154

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
2W-0727	156
2W-0799	244
2W-0800	244
2W-0801	244
2W-2216	243
2W-2927	253
2W-3452	1
	2
	4
	5
	6
	▶253
2W-3457	▶255
2W-3458	255
2W-3466	215
2W-3467	215
2W-3469	▶215
2W-3681	513
	515
2W-3687	469
	513
	515
2W-3882	233
2W-4072	▶185
2W-4234	▶279
	280
2W-4235	279
2W-4236	279
2W-4273	279
2W-4381	1
	2
	4
	5
	6
	▶264
2W-4480	451
	454
	459
2W-4869	231
	242
2W-4899	498
	500
	502
	504
	518
2W-5447	272
	273
2W-5448	272
	273
	274
	275
2W-6102	244
2W-6458	253
2W-6659	275
	▶291
2W-6660	272
	273
	274
	▶292
2W-7157	▶110
2W-7158	▶139
2W-7234	291
	292
2W-7256	55
2W-7257	▶55
2W-7455	48
2W-7851	▶171
2W-7852	▶172
2W-7853	143
	172
2W-7860	▶173
2W-7861	173
2W-7862	173
2W-8030	▶277
2W-8132	▶470
2W-8133	▶471
2W-8197	▶414
2W-8198	▶415
2W-8543	4
	▶272
2W-8576	▶243
	272
	273
	274
	275
2W-8602	309
	312
2W-8603	309
	312
2W-8604	393
	394
2W-8638	244
2W-8645	244
2W-8684	309
	312
2W-8802	309
	312
2W-8803	309
	312
2W-8916	360
	▶439
2W-8935	312
2W-8938	314
2W-9103	2
	▶273
2W-9161	1
	2
	4
	5
	6
	▶281
2W-9660	52
2W-9661	52
2W-9663	52
2W-9666	▶49
2W-9667	49
	52
	54
2W-9672	49
	54
2W-9685	49
	52
	54
2W-9686	49
	52
	54
2W-9687	49
	52
	54
2W-9688	49
	65
2W-9689	49
	65
2W-9690	49
	52
	54
2W-9691	49
	54
2W-9694	52

3

Part	Page
3B-0551	398
3B-0623	37
3B-0645	37
3B-1915	86
	107
	126
	128
3B-4501	314
	420
	443
3B-4502	144
3B-4505	130
3B-4506	101
	103
	126
	128
	400
	401
3B-4510	298
3B-4604	218
3B-6424	222
3B-6485	90
3B-6491	398
3B-6552	147
3B-6554	109
3B-6769	513
	515
3B-7263	513
	515
3B-7721	358
	394
3B-7745	89
	109
3D-2098	430
	435
3D-2824	271
3D-2898	271
3D-8317	244
3D-8752	231
	233
3D-9428	139
3E-0125	422
3E-0127	422
3E-0128	422
3E-0129	422
3E-0130	422
3E-0131	422
3E-0132	422
3E-0133	422
3E-0134	422
3E-0135	422
3E-0136	422
3E-0137	422
3E-0138	422
3E-0139	422
3E-0140	422
3E-0141	422
3E-0142	422
3E-0144	422
3E-0145	422
3E-0146	422
3E-3370	654
3E-3371	407
	408
	409
	413
	461
	654
	656
3E-3382	654
3E-3383	654
	656
3E-4301	225
3E-4304	542
3E-5454	293
	296
3E-6477	309
	312
3E-6747	23
	25
	27
	29
3E-6772	32
	34
3E-7430	145
3E-7775	425
3E-7886	▶410
	412
3E-9865	494
	554
	555
	556
	654
	655
3F-0379	425
	427
3F-4134	282
3F-7586	120
3G-2292	48
3G-3835	243
3G-4214	110
3H-0442	265
3H-0761	17
3H-5932	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
3H-7654	63
3J-1907	219
	220
	277
	309
	312
	359
	360
3J-5169	528
	533
3J-5389	160
3J-7352	394
3J-7354	76
	233
	265
	268
	393
	394
	397
	454
	456
	458
	463
	465
	467
	469
	513
	515
3K-1715	319
3K-3256	57
3K-3467	225
3K-5733	244
3K-6060	494
	507
	654
	655
3K-6168	298
3K-8106	314
3K-8782	241
	363
	417
	498
	500
	502
	504
	508
3K-9089	215
3L-1425	40
	42
	44
3L-2198	13
	14
3L-2875	513
	515
3L-3324	222
3L-4566	309
	312
3L-5987	222
3L-6789	120
	314
3L-8187	441
	447
	499
	501
	503
	505
	508
	512
3L-9689	91
	92
3N-1200	298
3N-1202	298
3N-1223	298
3N-1555	105
	106
3N-3469	653
3N-3786	218
3N-3787	218
3N-3790	653
3N-4411	513
	515
3N-4848	118
3N-4849	118
3N-4850	118
3N-4851	118
	▶120
3N-4854	120
3N-4855	120
3N-4856	120
3N-4857	120
3N-4858	120
3N-4859	120
3N-4860	120
3N-4861	120
3N-4862	120
3N-4863	120
3N-4866	120
3N-5611	498
	500
	503
	505
	507
3N-5632	120
3N-5714	518
3N-5716	518
3N-5719	518
3N-5762	454
	518
3N-5977	460
	462
3N-5979	▶441
	499
	501
	503
	505
	508
3N-6667	251
3N-6734	386
	388
	389
	390
	391
	392
	552
3N-7054	429
3N-7055	429
3N-7056	▶429
3N-7155	282
3N-7351	101
	103
3N-7391	233
3N-7442	444
3N-7758	120
3N-7759	120
3N-7990	▶101
	105
3N-7992	▶103
	106
3N-8593	554
3N-8594	282
	531
	533
	▶554
3N-8763	658
3N-8764	658
3N-8775	▶105
3N-9094	▶106
3N-9479	105
3N-9599	101
	103
3N-9607	101
	103
3N-9612	101
	103
3N-9635	103
3N-9636	101
3N-9638	103
3P-0009	243
3P-0650	81
3P-6048	513
	515
3P-8283	60
3R-0881	263
3S-1099	513
	515
3S-2093	252
	350
	352
	355
	361
	371
	375
	468
	507
	546
	549
	551
	621
	654
	655
3S-2713	253
3S-5496	23
	25
	27
	32
	34
3S-6049	319
	431
3S-6050	319
3S-7189	253
3S-8022	265
	268
3S-8664	350
	355
3S-9643	111
	139
3T-0306	419
	420
3T-2170	213
3T-3422	425
	427
3T-3434	425
	427
3T-6354	293
	296
3V-6785	319
4	
4B-0418	86
4B-1242	622
	623
	624
	632
4B-1663	282
4B-2041	513
	515
4B-2043	314
	621
	658
4B-2047	144
	256
	257
	258
	298
	312
	485
	508
4B-2049	244
	275
	358
	422
	460
	462
	498
	500
	503
	505
	507
	508
	658
4B-4043	17
4B-4274	257
	355
	379
	460
	462
	499
	501

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	504		314	4L-7547	233	4N-0045	148
	506		597	4L-7636	139	4N-0205	124
	507		599	4L-8183	394		128
	546		605	4L-8337	175		134
	658		607		176		137
4B-4278	126	4H-3001	309		177	4N-0260	244
	128		312		198	4N-0273	18
4B-4280	55	4H-6145	57	4L-9337	83	4N-0342	12
4B-4281	279	4H-7869	421		195	4N-0350	122
	412	4J-0522	359		236	4N-0362	111
4B-4550	40	4J-6750	218		238	4N-0432	244
	42	4J-7533	222		263	4N-0513	93
	44		244		280		94
4B-4674	622		272		515	4N-0538	228
	623		273		526		470
	624		274		552		471
	632		275	4M-0061	120	4N-0641	111
	633	4J-8997	264		124	4N-0683	23
4B-4863	314	4K-8651	359		132		25
	463	4K-9821	420		134		27
	465	4K-9822	420		137	4N-0684	21
	467	4K-9890	243		371		40
	658	4L-1250	365	4M-1336	139		42
4B-5324	507		535	4M-1831	425		44
	515	4L-3776	222		427	4N-0685	29
4B-5423	282	4L-3833	118	4M-5281	263		31
4B-5949	282	4L-3862	105		526	4N-0699	15
4B-5984	89		106	4M-5282	555		16
4B-7770	398		115		556		80
4B-9365	264	4L-4642	132		573		91
4D-1260	350	4L-4859	124		575		92
	352		134		577		107
	355		137		579	4N-0741	1
	499	4L-5757	137		581		2
	501	4L-5801	▶191		583		4
	503	4L-6454	49		585		5
	505		52		587		6
	655		54		589		▶21
4D-1326	498		124		591	4N-0754	1
	500		132		593		2
	503		134		595		4
	505		137		597		▶178
4D-3100	350		182		599	4N-0756	1
	352		183		601		2
4D-3704	47		184		603		4
4D-6066	518		350		605		5
4D-7388	654		371		607		6
	655		386		609		▶66
4F-2099	265		388		611	4N-0794	15
	268		389		613		16
4F-2294	263		390		615		231
	314		391		617	4N-0839	73
4F-4873	105		392		619	4N-0875	1
	106		400	4M-6424	513		▶175
	115		431	4M-6425	394	4N-0878	▶148
4F-5695	139		433	4M-6983	154		150
4F-6024	243		513		156		151
4F-7390	78		536	4M-6990	154	4N-0913	88
4F-7957	230		539	4M-8013	154	4N-0914	88
	231		540		156	4N-0933	17
	253		541	4M-8303	221		96
	265		542		228		107
	268		552		470		110
4F-8711	309		654		471	4N-0955	73
	312		655	4N-0015	148	4N-0995	88

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
4N-1010	175	4N-2985	132	4N-5614	73	4N-8569	126
	176	4N-3002	111	4N-5621	244	4N-8579	124
	177	4N-3032	132	4N-5893	37		134
4N-1045	▶73	4N-3065	139	4N-5995	130		137
	75	4N-3070	134	4N-6006	1	4N-8995	128
4N-1062	▶421	4N-3091	98		2	4N-8997	128
4N-1128	1	4N-3093	▶98		4	4N-9019	243
	2	4N-3095	134		5	4N-9556	154
	4	4N-3306	124		6	4N-9720	106
	5		134		▶46	4N-9776	▶113
	6		137	4N-6134	126	4N-9778	▶114
	▶88	4N-3311	124	4N-6237	151	4N-9951	▶84
4N-1151	66		134	4N-6247	128	4P-0667	1
4N-1156	111		137	4N-6257	111		▶274
	139	4N-3338	99	4N-6268	151	4P-1347	265
4N-1157	177	4N-3415	124	4N-6289	42	4P-1358	225
4N-1331	1		137	4N-6404	244	4P-1365	1
	2	4N-3466	▶99	4N-6406	244		2
	4	4N-3661	67	4N-6407	244		4
	5	4N-3828	215	4N-6408	244		▶225
	6		▶217	4N-6643	139	4P-1368	225
	▶59	4N-3829	214	4N-6658	29	4P-1369	225
4N-1418	114		▶218		31	4P-1379	265
	124	4N-3857	139	4N-6699	201	4P-1385	▶265
	134	4N-3858	139	4N-7024	144		272
	137	4N-3862	139	4N-7253	32		273
4N-1641	1	4N-3863	139		34		274
	2	4N-3918	139	4N-7521	422		277
	4	4N-4107	46	4N-7594	156	4P-1650	18
	5	4N-4159	198	4N-7596	156	4P-1973	529
	6	4N-4188	110	4N-7597	154	4P-1974	529
	▶111	4N-4193	145		156	4P-1976	▶529
4N-1650	23	4N-4196	107	4N-7598	156	4P-1979	529
	25	4N-4308	59	4N-7609	154	4P-2160	499
	27	4N-4519	217		156		501
4N-1981	1		218	4N-7796	107		502
	2	4N-4520	217	4N-7806	107		504
	4		218	4N-7937	113		506
	5	4N-4523	217	4N-8124	156		507
	6		218	4N-8150	76		517
	▶234	4N-4792	1	4N-8183	130		519
4N-2040	91		2	4N-8184	130		520
	92		4	4N-8185	130		521
4N-2370	42		5	4N-8188	130		522
4N-2372	40		6	4N-8189	130		523
	42		▶17	4N-8192	130	4P-2161	498
	44	4N-4942	61	4N-8193	130		501
4N-2474	2		63	4N-8194	130		502
	4	4N-4946	61	4N-8200	114		503
	5	4N-4953	1	4N-8216	61		505
	6		2		63		507
	▶107		4	4N-8217	42		517
4N-2481	1		5	4N-8225	63		519
	2		6	4N-8445	243		520
	4		▶20	4N-8557	126		521
	5	4N-5186	59		128		522
	6	4N-5394	1	4N-8559	126		523
	▶79		5	4N-8561	126	4P-2162	498
4N-2514	47		6		128		500
4N-2569	▶97		▶92	4N-8562	126		502
4N-2571	97	4N-5484	244		128		504
4N-2573	132	4N-5485	244	4N-8566	126		507
4N-2617	107	4N-5495	144		128		517
4N-2927	225	4N-5498	▶144	4N-8567	126		519
4N-2953	243	4N-5607	75		128		520

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	521
	522
	523
4P-2788	▶240
4P-2948	268
4P-3152	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
4P-3153	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
4P-3154	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
4P-3829	658
4P-3848	▶641
4P-4006	573
	575
	577
	579
	597
	599
	609
	611
4P-4007	573
	575
	577
	579
	597
4P-5533	546
4P-5639	▶658
4P-5718	365
	535
4P-5721	365
	535
4P-5894	1
	2
	4
	5
	6
	▶38
4P-6407	465
	467
	498
	500
4P-7045	268
4P-7148	▶546
4P-7377	72
4P-7581	654
	655
4P-7610	▶411
	655
4P-7688	267
4P-7974	448
4P-8021	198
4P-8134	375
	654
	655
4P-8388	248
4P-8480	268
4P-8495	69
	70
4P-9148	585
	587
4P-9202	63
4P-9621	248
4P-9622	248
4P-9623	248
4P-9624	248
4P-9625	248
4P-9626	248
4P-9627	248
4P-9629	248
4P-9658	▶256
	259
	261
4P-9659	▶257
	259
	261
4P-9660	▶258
	259
	261
4P-9826	622
	623
	624
	632
4S-1988	417
4S-4455	350
	371
	375
4S-6137	32
	34
4W-0435	225
4W-0658	124
	137
4W-0659	124
	137
4W-0660	132
4W-0661	134
4W-0662	134
4W-0663	132
4W-1727	▶221
4W-1873	▶67
	68
4W-1880	▶68
4W-1894	85
4W-1895	68
	▶85
4W-2436	1
	2
	4
	▶32
4W-2461	1
	3
	4
	5
	6
	▶75
4W-2471	33
4W-2472	33
4W-2473	33
4W-2474	33
4W-2541	217
	218
4W-2542	217
	218
4W-2754	227
4W-3925	309
	312
4W-3969	309
	312
4W-4319	5
	6
	▶179
4W-4616	225
4W-4617	225
4W-4775	145
4W-4794	111
	139
4W-5123	248
4W-5138	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
4W-5492	21
4W-5556	471
4W-5580	▶61
4W-5698	21
4W-5699	21
4W-5700	21
4W-5701	21
4W-5734	244
4W-5735	244
4W-5828	▶174
4W-5971	239
	240
4W-5972	239
	240
	241
	498
	500
	503
	505
	508
4W-5998	75
4W-6049	▶513
4W-6050	▶515
4W-6334	394
4W-6392	552
4W-6393	400
	401
	552
4W-6412	653
4W-6548	144
4W-6868	243
4W-7142	400
	401
	546
	549
4W-7388	546
4W-7502	▶416
4W-7503	416
4W-7544	394

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
4W-7773	215
4W-7957	309
	312
4W-7986	▶158
4W-8102	499
	501
	503
	505
4W-8471	309
4W-8585	23
	25
	27
	29
4W-8754	484
	485
4W-8755	484
	485
4W-8757	484
	485
4W-8790	213
	239
	240
	241
	363
	417
4W-8915	272
4W-8984	552
4W-9449	388
	391
	392
	552
4W-9601	▶309
	316
4W-9602	▶312
4W-9733	309
	312
4W-9890	15
	16
4W-9993	552
4W-9995	552

5

Part	Page
5B-3180	243
5B-4855	360
	444
5B-5620	145
5B-7040	230
5B-7890	159
	279
5B-9079	416
5B-9169	101
	103
5C-2890	542
5C-9553	542
5D-2643	139
5D-4697	222
5D-9372	231
5D-9844	145
	180
5F-0304	56
5F-1265	367
	368
5F-4899	32
5F-9144	244
5G-2003	414
5G-3699	394
5H-0071	430
5H-0244	17
5H-0793	225
5H-1190	198
5H-1504	32
	34
	75
5H-2532	222
	244
5H-3124	85
5H-5744	222
	250
5H-6552	243
	272
	273
	274
	275
5H-6555	449
5H-8331	166
	167
	168
	169
	171
	189
	190
	191
5J-5793	56
5K-0605	217
	218
5K-1928	181
5K-9241	110
5K-9243	110
	139
5L-2087	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
5L-2264	191
5L-3233	147
	150
	151
5L-3338	▶192
5L-3773	172
	192
5L-3855	192
5L-4398	173
5L-5180	484
	485
	524
5L-5840	524
5L-7200	419
	420
	443
5L-7520	▶162
5L-7631	159
	160
5L-7635	159
5L-8484	193
5L-8546	352
5L-8605	193
5L-8632	▶193
5L-8854	158
	161
	175
	176
	177
5L-9018	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
	617
5M-2894	15
	16
	17
	18
	39
	46
	55
	56
	57
	59
	61
	79
	80
	81
	82
	84
	85
	86
	87
	91
	92
	93
	94
	96
	105
	107
	110
	118
5M-3062	52
	144
	151
	371
	386
	388
	389
	390
	391
	392
	400
	401
	552
5M-5845	658
5M-5926	253
5M-6213	111
	126
	128
	175
5M-6214	18
	124
	148
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
5M-6668	385
5N-0377	236
	238
5N-0378	▶238

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
5N-0591	▶362
5N-0603	362
5N-0605	362
5N-0606	362
5N-0610	362
5N-0612	362
5N-0613	362
5N-0618	634
	635
	636
	637
	638
	639
5N-0626	634
	635
	636
	637
	638
	639
5N-0627	634
	635
	636
	637
	638
	639
5N-2042	433
5N-2060	▶198
5N-2144	430
	431
5N-2145	430
	433
	435
5N-2368	255
5N-2496	116
5N-2808	115
5N-2829	198
5N-2830	198
5N-3160	198
5N-3167	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
5N-3174	597
	599
	605
	607
5N-3176	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
	654
5N-3340	398
5N-3615	484
	485
5N-3852	198
5N-4227	222
5N-4430	542
5N-4487	116
5N-4656	116
5N-4681	▶116
5N-4685	549
	551
5N-4686	549
	551
5N-4699	115
5N-4701	115
5N-4710	▶115
5N-4739	142
	166
	167
	168
	169
	171
5N-4988	312
	366
	498
	500
	502
	504
5N-5159	309
	312
	350
	352
	355
	366
	462
	498
	500
	503
	505
	654
	655
5N-5285	430
	435
5N-5429	499
	501
	503
	505
5N-5430	499
	501
	504
	506
5N-5431	499
	501
	503
	505
5N-5432	499
	501
	503
	505
5N-5433	499
	501
	503
	505
5N-5434	499
	501
	503
	505
5N-5499	518
5N-5501	518
5N-5507	485
5N-5510	487
	491
5N-5662	198
5N-5692	▶293
5N-6053	198
5N-6147	189
	190
5N-6148	▶189
5N-6501	215
5N-6930	115
5N-7381	83
5N-8857	▶357
	359
5N-9067	498
	500
	502
	504
	654
	655
5N-9072	498
	500
	502
	504
	654
	655
5N-9095	362
5N-9107	362
5N-9117	497
	500
	502
	504
	654
	655
5N-9222	309
	312
5P-0076	229
5P-0372	494
	502
	507
	654
	655
5P-0399	214
5P-0537	215
	221
	222
	231
	253
	259
	261
	264
	270
	314
	415
	482
	483
	508
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
5P-0597	188
5P-0598	124
	132
	134
	137
5P-0600	194
5P-0640	420
5P-0651	379
5P-0746	430
	435
5P-0747	304
	305
	306
	431
	433
5P-0760	431
	433
5P-0761	319

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
5P-0764	124
	137
5P-0796	250
5P-0801	148
5P-1075	83
	181
	182
	183
	184
	253
	354
	386
	388
	389
	390
	391
	392
	431
	433
	526
	531
	533
	536
	539
	540
	541
	544
	546
	548
	549
	551
	552
	656
5P-1076	386
	389
	390
5P-1255	83
5P-1261	118
5P-1265	124
	137
5P-1296	132
	134
5P-1404	219
	220
	358
5P-1420	139
5P-1471	188
5P-1475	656
5P-1476	379
	656
5P-1477	655
5P-1717	124
	137
5P-2094	90
	109
5P-2321	655
5P-2424	14
5P-2566	98
	116
	124
	132
	134
	137
	389
	390
5P-2600	386
	552
5P-2675	263
5P-2948	419
	420
5P-3059	450
	451
	454
	459
5P-3383	225
5P-3860	147
	150
	151
5P-3931	34
	179
5P-4115	526
	552
5P-4116	130
	231
	253
	513
	546
	658
5P-4255	57
5P-4868	113
	114
5P-4935	498
	501
	503
	505
5P-4939	256
	257
	258
5P-5391	419
	420
5P-5528	397
	469
5P-5610	419
5P-5623	379
	419
5P-5637	542
5P-5678	20
5P-5757	154
	156
5P-5846	229
5P-5855	172
5P-5991	124
	132
	134
	137
5P-6025	309
	312
5P-6620	272
	273
	274
	275
5P-6672	233
5P-6836	298
5P-6920	293
	296
5P-7204	145
5P-7701	76
5P-7813	265
	268
5P-7854	215
5P-7979	40
	42
	44
5P-8038	74
5P-8167	371
	546
	549
5P-8210	66
5P-8215	271
5P-8245	18
	56
	59
	61
	63
	74
	139
	172
	173
5P-8247	17
	150
	171
5P-8435	450
	451
5P-8783	253
5P-8934	282
5P-9297	253
	280
5P-9617	76
5P-9757	243
5R-0066	139
5R-1771	40
	44
5S-0003	231
	233
5S-0581	122
5S-1188	175
	176
	177
	198
5S-2106	40
	42
	44
5S-3552	494
	507
	654
	655
5S-4517	201
	202
	204
5S-4546	154
	156
5S-4547	154
	156
5S-4549	154
	156
5S-4551	154
5S-4554	154
5S-4556	154
	156
5S-4557	154
	156
5S-4558	201
5S-5199	154
	156
5S-7348	513
	515
5S-7349	368
	425
	427
5S-7379	52
	124
	132
	134
	137
	375
	552
5S-7382	116
	393
	549
5S-7383	101
	103
	106
	190
	359
	371
5S-9062	40
	42
	44
6B-2250	57
6B-5150	218
6B-6684	63
6B-9081	89
	398
6C-3679	542
6D-2675	18
6D-2928	414
	513
	515
	526
6D-3479	513
6D-3897	243
6D-7128	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619

6

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
6D-8498	271		589	6L-7442	32	6N-8587	195
6F-5926	222		591		34	6N-8588	▶195
6F-6405	359		593	6L-7575	658	6N-8878	▶469
6F-6672	271		595	6L-8617	132	6N-9294	▶296
6F-7012	118		597		139	6N-9587	419
6F-7027	222		599	6L-8649	139		420
6F-8515	107		601	6L-8700	139	6N-9995	419
6F-8814	188		603	6L-9589	107	6T-1395	▶298
6H-0187	233		605		145	6T-1546	309
6H-0406	57		607	6L-9872	484		312
6H-3958	225		609		485	6T-2031	298
6H-9691	244		611	6L-9888	231	6T-3631	441
6I-0088	573		613	6N-0367	111		447
	575		615	6N-0389	57		499
	577		617	6N-0425	158		501
	579		619	6N-0597	40		503
	581	6I-2981	23	6N-0775	217		505
	583		25		218		508
	585		27	6N-1015	80		512
	587	6I-3022	546	6N-1016	1	6T-3632	441
	589	6I-3066	32		2		447
	591		34		4		499
	593	6I-3339	▶400		5		501
	595	6I-3340	▶401		6		503
	597	6I-4024	23		▶80		505
	599		25	6N-1141	92		508
	601		27	6N-1872	293		512
	603	6I-4268	579		296	6T-3633	441
	605	6J-2237	139	6N-1931	93		447
	607	6J-2419	271		94		499
	609	6J-2819	227	6N-2283	85		501
	611	6J-4762	355	6N-2645	231		503
	613		379	6N-2985	80		505
	615		546	6N-3504	244		508
	617	6K-0806	350	6N-3575	160		512
	619		355	6N-3826	425	6T-3642	309
6I-0093	48		544		427		312
6I-0984	248		546	6N-5015	2	6T-3644	309
6I-1101	242		549		4		312
	▶248		551		▶176	6T-3645	314
6I-1103	248		655	6N-5579	148		385
6I-1140	248	6K-9194	236	6N-5899	419	6T-4949	219
6I-1178	248	6K-9591	309		420		220
6I-1453	21		312	6N-5926	358	6T-6652	359
6I-1575	107	6K-9593	597	6N-6223	149		360
6I-1842	312		599	6N-6473	115	6T-9446	298
6I-1862	309		605	6N-6598	40	6V-1075	384
6I-1952	499		607		44		468
	501	6L-1597	222	6N-6652	40	6V-1426	61
	503	6L-2279	118	6N-6656	44	6V-1614	417
	505	6L-2280	101	6N-6872	75	6V-1813	397
6I-2002	414		103	6N-7031	114	6V-2202	293
	415		118	6N-7033	126		296
6I-2507	149	6L-2282	101		128	6V-2455	411
6I-2508	149		103	6N-7249	88	6V-2673	309
6I-2593	147	6L-2927	▶159	6N-7378	38		312
	▶149	6L-3528	233	6N-7653	86	6V-2687	384
6I-2737	573	6L-3616	139	6N-7672	420		468
	575	6L-4428	63	6N-7674	419	6V-3319	229
	577	6L-4502	▶653		420	6V-3507	513
	579	6L-4964	132	6N-7688	40		515
	581	6L-5551	243		42	6V-4247	536
	583	6L-5652	360		44		539
	585	6L-5897	291	6N-7692	149		540
	587		292	6N-7840	85		541

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
6V-4259	18
	526
6V-5029	243
	552
6V-5048	654
	621
	655
	624
6V-5049	76
	633
	252
	253
6V-5135	265
	526
6V-5582	▶422
	424
6V-5817	350
	352
	498
	500
	502
	504
	654
	655
6V-5818	654
	655
6V-5819	355
	381
	382
	654
	655
6V-5894	230
6V-6640	499
	501
	503
	505
6V-6835	244
6V-7192	309
	312
6V-7543	225
6V-7646	507
6V-7699	256
	257
	258
6V-7978	350
	355
	654
	655
6V-8182	164
	165
	182
	183
	184
	252
	282
	529
	530
	531
	533
6V-8185	198
	263
	298
	352
	367
	368
	393
	394
	495
	507
	513
	515
6V-8186	231
	233
	526
6V-8187	293
	296
6V-8188	40
	42
	44
	116
	181
	386
	389
	390
	422
	425
	427
	544
	545
6V-8189	350
	352
	355
	394
	546
6V-8364	443
6V-8367	498
	500
	503
	505
	508
6V-8374	441
	447
	499
	501
	503
	505
	508
	512
	622
	623
	624
	632
	633
6V-8376	309
	312
	314
	419
	420
	497
	498
	499
	500
	501
	502
	503
	504
	505
	508
6V-8377	293
	296
	418
6V-8378	425
	427
6V-8379	419
	420
6V-8382	498
	500
	503
	505
	508
6V-8645	298
6V-8801	49
	51
	52
	54
	83
	106
	115
	181
	182
	183
	184
	190
	195
	280
	350
	354
	371
	386
	388
	389
	390
	391
	392
	393
	394
	396
	498
	500
	503
	505
	513
	531
	533
	544
	546
	548
	549
	551
	552
	654
	655
6V-8832	419
	420
6Y-3955	634
	635
	636
	637
	638
	639
7B-1598	85
7B-2002	282
7B-2742	215
	230
	270
7B-9665	282
7C-0052	150
7C-0088	▶150
7C-0089	393
7C-0091	393
7C-0092	150
7C-0097	396
7C-0307	15
	16
	111
	139
	231
	233
7C-0549	484
	485
7C-0675	49
	54
7C-0676	52
7C-0790	243
7C-0942	39
7C-0972	484
	485
7C-0974	498
	500
	502
	504
	507
7C-1009	498
	501
	503
	505
	508
7C-1072	▶525
7C-1572	152
7C-1781	▶548
7C-1846	▶548
7C-2675	494
	495
	508
	654
	655
7C-2700	▶363
7C-2945	484
7C-2954	524
7C-3039	95
7C-3491	▶371
	374
	448
7C-3521	518
7C-3887	622
	623
	624
	632
	633
7C-4062	498
	500
	502
	504
7C-4354	352
	371
	654

7

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	655		70		583		615
7C-4370	484		72		585		617
	485	7E-0559	69		587		619
7C-4372	▶442		70		589	7E-6578	573
7C-4378	487		72		591		575
	489	7E-0598	▶206		593		577
7C-4471	498	7E-1112	499		595		579
	501		501		601		581
	503		503		603		583
	505		505		605		585
7C-4550	239	7E-1113	499		607		587
	241		501		613		589
	524		503		615		591
7C-4551	350		506		617		593
	655	7E-1114	499		619		595
7C-4552	350		501	7E-2464	271		597
	655		504	7E-2681	653		599
7C-4753	398		506	7E-3667	271		601
7C-4910	524	7E-1116	499	7E-3674	435		603
7C-4925	518		501	7E-3986	243		605
7C-5075	507		504	7E-4195	69		607
	524		506		70		609
7C-5076	507	7E-1117	499		72		611
	524		501	7E-4656	271		613
7C-5296	▶517		504	7E-4697	2		615
7C-5708	621		506		▶23		617
7C-5709	621	7E-1118	499	7E-5034	▶657		619
7C-5711	625		501	7E-5661	48	7E-6785	274
	627		504	7E-5665	69		275
7C-6121	498		506		70	7E-7848	451
	500	7E-1119	499	7E-5887	265	7E-8074	625
	503		501		268		628
	505		504	7E-5996	69	7E-8255	518
	507		506		70	7E-8266	573
7C-6514	20	7E-1177	72	7E-6002	265		577
7C-7319	560	7E-1232	▶241		268		581
	561	7E-1234	▶450	7E-6003	265		585
	562		472		268		589
	563		479	7E-6004	265		593
	564	7E-1246	241		268		597
	565	7E-1256	573	7E-6011	265		601
	566		575		268		605
7C-7548	▶444		577	7E-6247	▶380		609
7C-8760	641		579		383		613
7C-9130	452		581	7E-6577	573		617
7C-9141	▶300		583		575	7E-8270	▶518
7C-9179	499		585		577	7E-8396	▶213
	501		587		579		498
	503		589		581		502
	505		591		583	7E-9262	21
7C-9189	263		593		585	7E-9794	124
	526		595		587		137
7C-9198	259		597		589	7E-9907	265
	261		599		591		268
7C-9222	121		601		593	7G-4327	396
7C-9365	358		603		595	7G-8802	215
	▶445		605		597	7G-9730	498
7C-9368	▶359		607		599		500
7C-9667	20		609		601		503
7E-0123	▶263		611		603		505
7E-0329	20		613		605		506
7E-0333	20		615		607		508
7E-0491	2		617		609		512
	▶69		619		611	7H-2079	298
7E-0558	69	7E-1257	581		613	7H-8213	546

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	549	7N-2444	175	7N-7781	309		410
	551	7N-2594	243		312	7N-9801	419
7H-9678	235	7N-2856	154		357	7N-9845	416
7J-0204	222		156		358	7N-9857	132
	223	7N-2900	40		359	7N-9858	132
7J-9016	231		42		360	7N-9859	134
7K-1181	371		44		439	7N-9860	134
	386	7N-3060	1		445	7N-9861	124
	388		2	7N-7795	293		137
	389		4		296	7N-9862	124
	390		5	7N-7796	293		137
	391		6		296	7N-9863	124
	392		▶47	7N-7798	293	7N-9864	124
	546	7N-3448	92		296	7N-9947	▶124
	549	7N-3516	1	7N-7800	293	7S-0687	150
	551		2		296		151
	552		4	7N-7801	293	7S-1197	502
	641		▶70		296	7S-3687	195
	655	7N-3761	236	7N-7802	293	7S-4338	309
7K-3377	546		238		296		312
7K-9197	393	7N-5274	319	7N-7804	296		314
	394		430	7N-7805	293	7S-4411	▶153
7L-0688	309		431		296		164
	312		433	7N-7806	293	7S-5003	189
7L-2894	425		435		296		190
	427	7N-5876	498	7N-7807	293	7S-5005	21
7L-3326	265		500		296	7S-5757	222
	268		503	7N-7808	293	7S-6798	222
7L-4186	215		505		296	7S-9323	235
	263		506	7N-7809	293	7T-0037	240
	526		508		296	7T-0676	298
7L-4975	250		512	7N-7810	293	7T-0677	298
7L-4984	222	7N-6351	▶160		296	7T-0895	298
7L-6326	83	7N-7078	69	7N-7811	293	7T-2009	282
7L-7871	▶304		70		296	7T-2036	282
7L-7872	▶305		72	7N-7913	86	7T-2037	282
7M-0327	443	7N-7264	225	7N-7916	86	7T-3267	425
7M-3361	350	7N-7269	244	7N-8008	441		427
	352	7N-7270	244	7N-8084	1	7T-3268	425
	355	7N-7779	208		2		427
7M-7219	243		215		4	7T-3271	425
7M-9831	256		219		5		427
	258		248		6	7T-3276	425
7M-9910	257		309		▶86		427
7N-0001	248		312	7N-8821	244	7T-3277	425
7N-0060	304		357	7N-8827	40		427
	305		358		42	7T-3278	425
7N-0140	419		359		44		427
	420		360	7N-8828	44	7T-3279	425
7N-0239	154		410	7N-8837	▶40		427
	156		439	7N-8838	▶42	7T-3451	425
7N-0296	419		445	7N-8840	▶44		427
	420	7N-7780	208	7N-9017	508	7T-3454	425
7N-1572	111		215	7N-9021	293		427
7N-1599	222		219		296	7T-3973	427
7N-1628	235		248	7N-9023	293	7T-3974	425
7N-1796	291		309		296		427
	292		312	7N-9024	293	7T-6365	309
7N-2043	69		357		296		312
	70		358	7N-9564	201	7T-9517	419
	72		359	7N-9565	154		420
7N-2059	419		360	7N-9738	208	7V-1037	393
	420		410		215	7W-0133	549
7N-2156	93		439		219		551
	94		445		248	7W-0134	271

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
7W-0482	498
	500
	502
	505
	508
7W-0632	▶393
7W-0683	265
	268
7W-0688	145
7W-0752	▶394
7W-0825	▶319
7W-0922	350
	352
	355
	656
7W-0993	225
	227
7W-1060	▶396
7W-1117	49
	52
	54
7W-1224	273
7W-1248	47
7W-1340	▶63
7W-1749	243
7W-2203	32
	▶33
	34
7W-2206	1
	2
	4
	5
	6
	▶95
7W-2315	259
	261
7W-2967	359
7W-3218	225
7W-3355	▶412
7W-3602	87
7W-3603	▶87
7W-3798	1
	2
	4
	5
	6
	▶12
7W-4247	244
7W-4272	243
7W-4381	39
7W-4445	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
7W-4487	259
	261
7W-5342	▶360
7W-5520	61
	63
7W-5733	18
7W-5836	243
7W-6081	23
	25
	27
	29
7W-6492	23
	25
	27
	29
	32
	34
	139
	145
	180
7W-6534	23
	25
	27
	29
7W-6542	▶219
7W-6598	499
	501
	504
	506
7W-6788	309
	312
7W-7037	259
7W-7429	362
7W-7663	225
7W-7805	499
	501
	504
	506
7W-7999	▶314
7W-8001	▶316
7W-8052	316
	▶366
7W-8405	291
	292
7W-8835	499
	501
	504
	506
7W-8836	499
	501
	504
	506
7W-8837	499
	501
	504
	506
7W-8838	499
	501
	504
	506
7W-8839	499
	501
	504
	506
7W-9048	314
7W-9467	18
7X-0290	115
	371
7X-0310	124
	132
	134
	137
7X-0325	529
7X-0328	40
	42
	44
7X-0343	151
7X-0345	116
7X-0346	166
	167
	168
	169
	394
7X-0347	181
	385
	394
	396
	398
7X-0375	282
	529
	530
	531
	533
7X-0381	531
	533
7X-0383	60
7X-0384	117
	124
	137
7X-0447	124
	132
	134
	137
7X-0448	116
	166
	167
	168
	169
	190
7X-0513	394
7X-0515	528
	533
7X-0562	422
	425
	427
7X-0575	371
7X-0579	124
	132
	134
	137
7X-0586	621
7X-0591	151
7X-0613	513
7X-0772	100
7X-0869	230
7X-2501	263
	526
7X-3178	393
	394
	495
7X-3353	293
	296
7X-3373	425
	427
7X-3391	40
	42
	44
7X-7731	56
	89
	111
	132
	134
	137
	139
7X-7732	23
	25
	27
7X-7893	132
	134

8

Part	Page
8B-0544	546
8B-2377	223
8B-8817	180
8C-0566	116
8C-0620	431
	433
8C-3234	259
8C-3389	231
8C-3445	76
8C-3446	76
8C-3655	425
	427
8C-4642	658
8C-4646	452
8C-5196	20
8C-5230	81
8C-5917	304
	305
	306
8C-6099	416
8C-6123	451
	454
	459
8C-6808	443
8C-6905	398
8C-6913	117
	124
	137
	531
	533
8C-7507	498
	500
	503
	505
	507
8C-8418	208
	231
8C-8514	507
8C-9812	446
	447
8D-0983	124
	132

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	134		275	8M-2771	379	8N-3256	243
	137	8K-4644	384	8M-2773	371	8N-3303	243
8D-2676	499		468		381	8N-3536	419
	501	8L-2779	259		382		420
	503		261		654	8N-3731	265
	505	8L-3282	236		655	8N-3757	243
	506		238	8M-3839	309	8N-3760	244
	508	8L-3873	416		312	8N-3761	244
	512	8L-4282	217	8M-4447	39	8N-3762	243
8D-8724	239		218	8M-5249	32	8N-3776	243
8E-5237	265	8L-4497	101		34	8N-3799	272
	268		103	8M-5312	309		273
8F-0244	513	8L-4498	101		312		274
	515		103	8M-7145	61		275
8F-0908	314	8L-4502	101		63	8N-3945	244
8F-1434	293		103	8M-8468	622	8N-3956	243
	296	8L-5008	147		623	8N-4398	5
	298		358		624		6
	358		469		632		▶177
	419	8L-5213	42	8M-8489	93	8N-4455	148
	420	8L-5354	101		94	8N-4617	144
	422	8L-5832	225	8M-8515	272		148
	425		243		273	8N-4875	130
	427		244		274	8N-4876	130
	443		272		275	8N-4880	▶126
	460		273	8M-9062	291		134
	508		274		292	8N-4881	126
8F-3030	17	8L-6557	393	8N-0076	215	8N-4882	126
8F-3437	443		394	8N-0205	279	8N-4885	124
8F-4610	279	8L-7979	251	8N-0620	▶419		▶128
8F-8178	230	8L-8413	304	8N-0621	▶420		137
8F-9206	279		305	8N-0654	265	8N-4886	128
8H-0707	416		306	8N-0869	319	8N-4887	128
8H-0708	222		359		430	8N-4975	189
8H-1141	425		360		431	8N-5305	40
	427		371		433		42
8H-2778	235		379		435		44
8H-3127	228		381	8N-1184	158	8N-5993	267
	470		382		161	8N-6115	▶151
	471		430	8N-1585	279	8N-6116	150
8H-7202	235		431	8N-1586	279		151
8H-7204	▶235		433	8N-1587	279	8N-6680	275
	236		435	8N-1588	279	8N-7519	291
	237		493	8N-1589	279	8N-7520	292
	238		507	8N-1590	279	8N-8082	221
8H-8754	124		536	8N-1608	69	8N-8098	145
	137		539		70	8N-8099	145
8H-9186	222		540	8N-1667	84	8N-8100	145
8H-9204	259		541	8N-1725	319	8N-8254	12
	261		653		430	8N-8256	39
8H-9789	40		654		431	8N-8258	39
	42		655		433	8N-8259	39
	44		658		435	8N-8361	181
8J-1256	350	8L-9362	298	8N-2104	88	8N-8614	188
	352	8L-9654	298	8N-2148	222	8N-8837	130
	355	8L-9655	298	8N-2499	244	8N-8838	▶130
	546	8L-9656	298	8N-2505	243		132
	621	8L-9657	298	8N-2510	243	8N-9246	1
	658	8L-9661	298	8N-2637	271		2
8J-4351	265	8L-9663	298	8N-2640	271		4
	268	8L-9767	101	8N-2641	271		5
8J-4785	442		103	8N-2694	147		6
8J-8343	272	8L-9859	▶163	8N-3089	243		▶48
	273	8M-0456	213	8N-3238	222	8N-9267	1
	274		417	8N-3248	134		2

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	4
	►25
8N-9367	265
	268
8N-9371	265
	268
8N-9382	272
	273
	274
	275
8N-9476	39
8N-9599	274
8N-9653	1
	2
	4
	5
	6
	►39
8N-9678	243
8N-9680	243
8N-9759	►181
8P-7065	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
8S-1460	189
	190
8S-2332	421
8S-4710	230
8S-4711	630
	631
8S-4753	38
8S-5383	63
8S-6511	93
	94
8S-6559	190
8S-6814	243
	250
8S-7803	244
8S-8158	231
	309
	312
8S-9092	150
8S-9094	23
	25
	27
	29
8S-9191	57
8S-9222	154
8T-0023	350
	352
	355
	546
8T-0192	354
	386
	388
	389
	390
	391
	392
	544
	548
	552
8T-0328	293
	296
	298
	358
	422
	425
	427
8T-0659	259
8T-2228	485
8T-2501	183
	442
	497
	500
	502
	504
8T-2502	40
	42
	44
	49
	51
	52
	54
	83
	97
	114
	181
	371
	393
8T-2882	498
	500
	502
	503
	505
	507
8T-4121	422
8T-4122	116
	166
	167
	168
	169
	181
	385
	394
	396
	398
	411
8T-4132	542
8T-4133	422
8T-4134	499
	501
	503
	505
8T-4205	198
	263
	293
	296
	298
	350
	352
	367
	368
	393
	394
	425
	427
	430
	431
	433
	435
	494
	495
	513
	515
	526
	557
	621
	656
8T-4223	13
	14
	98
	116
	124
	132
	134
	137
	181
	529
	544
	545
8T-4224	280
	350
	352
	355
	371
	394
8T-4226	494
	507
	656
8T-4779	542
8T-4896	49
	51
	52
	54
	83
	97
	106
	114
	115
	124
	132
	134
	137
	144
	147
	151
	183
	236
	280
	282
	350
	359
	371
	375
	393
	394
	396
	400
	401
	513
	515
	529
	530
	542
8T-4988	152
8T-4994	164
	165
	182
	183
	184
	252
	282
	529
	530
	531
	533
8T-5360	13
	14
	124
	132
	134
	137
	181
8T-5409	546
	549
8T-5677	208
8T-6726	132
	134
	398
8T-6757	23
	25
	27
	29
8T-6761	66
	67
	111
	130
8T-6762	145
	180
8T-6763	23
	25
	27
	29
	39
8T-6764	23
	25
	27
	29
	57

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	132
	134
	137
	145
	180
8T-6765	56
	107
	130
	139
	145
	180
	198
8T-6767	29
	32
	34
	107
	111
8T-7893	225
8T-8566	425
	427
8T-8569	425
	427
8T-8729	461
	654
	655
8T-8730	460
	654
	655
8T-8908	263
	352
	367
	557
8T-8911	371
8T-8912	280
	546
8T-8915	115
8T-8916	13
	14
8T-8917	124
	134
	137
	181
8T-8919	13
	14
	386
	544
	545
8T-8924	164
	165
	182
	183
	184
8T-9043	658
8T-9101	100
8T-9368	554
8T-9377	40
	42
	44
	115
	181
	494
	507
	655
8T-9378	442
8T-9389	13
8T-9393	190
	193
	528
	533
8T-9398	252
8T-9587	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
8T-9757	304
	305
	306
8T-9758	431
	433
8T-9884	425
	427
9A-7377	244
9B-0887	118
	159
9B-1117	513
9B-4202	89
	109
9B-7233	293
	296
	309
	312
	314
	418
	419
	420
	497
	498
	500
	502
	504
	508
	525
	621
9B-7237	49
	52
	54
	101
	103
	106
	115
	124
	132
	134
	137
	151
	182
	184
	236
	238
	282
	359
	386
	388
	389
	390
	391
	392
	394
	526
	529
	530
	531
	533
	549
	551
	552
9D-3721	446
9F-2947	139
9F-2978	124
	137
	433
9F-3099	314
9F-4337	421
9F-4446	40
	42
	44
9F-6580	215
	281
9F-8125	239
	350
	352
	355
	485
	507
	654
	655
9F-8999	145
9F-9920	252
9G-0003	304
	305
	306
9G-0004	304
	305
	306
9G-5208	298
9G-5578	293
9G-8140	526
9G-8909	319
	430
	431
	433
	435
9G-9151	371
9G-9153	371
9H-1031	22
	31
9H-1958	498
	500
	502
	504
9H-8260	63
9J-6190	251
9J-8050	231
9L-2137	293
	296
9L-2139	293
	296
9L-2140	293
	296
9L-5839	161
9L-5854	31
9L-6531	653
9L-6657	175
	176
9L-6671	1
	2
	4
	5
	6
	►196
9L-6770	293
	296
9L-7657	77
	250
9L-7712	73
	75
9L-8925	20
9L-9098	259
	261
9L-9132	110
	126
	128
	150
9L-9814	259
	261
9M-1974	20
	61
	130
	145
	231
	233
	259
	261
	270
	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595

9

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
9M-2342	235
9M-2904	83
9M-3786	121
9M-4584	91
	92
9M-5520	314
9M-5732	80
9M-6527	122
9M-7540	91
	92
9M-7783	150
9M-7958	90
	109
9M-7959	118
9N-0048	202
9N-0415	109
9N-0685	1
	▶96
9N-1008	196
9N-1202	293
9N-1545	265
	268
9N-3288	1
	2
	4
	5
	6
	▶121
9N-5120	40
	42
	44
9N-5124	88
9S-0211	228
	470
	471
9S-1366	18
	63
9S-2437	293
	296
9S-2544	293
	296
9S-3263	526
9S-3784	61
9S-4167	234
9S-4180	244
	272
	273
	274
	275
9S-4182	23
	25
	27
	29
	253
	265
	268
9S-4190	23
	25
	27
	29
9S-4191	76
9S-4684	309
	312
9S-5282	198
9S-5937	350
	352
	355
	379
	546
	654
	655
9S-8001	222
	265
	268
9S-8002	454
	456
	458
	463
	465
	467
9S-8003	243
	265
	268
9S-8007	222
	223
	265
	268
9S-8009	23
	25
	27
	29
9S-8750	215
	253
	314
	415
	622
	623
	630
	631
	632
	634
	635
	636
	637
	638
	639
9S-8752	18
	39
	57
	61
	84
	85
	86
	87
	92
	105
	116
	118
	139
	145
	188
	196
	215
	229
	253
9S-8917	470
9S-8993	154
9S-9334	76
9W-0073	451
	454
	459
9W-1077	442
	▶443
9W-1464	454
	456
	458
	463
	465
	467
9W-3274	517
9W-3277	517
9W-3577	▶451
	517
	521
	522
9W-4216	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
9W-6582	282
	529
	530
	531
	533
9W-6583	282
9W-6584	282
	529
	530
	531
	533
9W-9930	282
	529
	530
	531
	533
	535
	139
	145
9X-0203	384
	▶482
9X-0435	654
	655
9X-1386	410
	411
9X-1391	482
9X-1813	408
	409
	413
9X-2639	546
	549
	551
9X-2649	415
9X-3401	408
9X-4276	358
9X-4824	425
9X-6138	132
9X-6451	67
9X-6458	88
9X-7378	23
	25
	27
	29
	253
9X-7715	225
	227
9X-8124	499
	501
	503
	505
9X-8256	542
9X-8257	542
9X-9720	304
9X-9730	305
9Y-0916	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
9Y-0947	453
9Y-0968	657
9Y-1234	▶230
	272

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	273
	274
	275
9Y-1792	94
9Y-1800	93
9Y-1856	1
	2
	4
	5
	6
	▶74
9Y-1857	74
9Y-1867	▶381
9Y-1900	381
9Y-1901	381
	382
9Y-1921	431
9Y-2239	382
9Y-2906	▶452
	474
	480
9Y-2907	▶453
	473
	481
9Y-2921	213
	417
9Y-2988	78
9Y-2995	▶382
9Y-3070	1
	2
	4
	▶259
9Y-3750	431
	435
9Y-4004	70
9Y-4275	320
	321
	322
	323
	324
	325
	335
	336
	337
	338
	339
	340
	341
	342
	343
	344
	345
	348
9Y-4383	73
9Y-4384	73
9Y-4397	263
	526
9Y-4701	243
9Y-4812	▶251
9Y-5288	231
9Y-5289	231
9Y-5290	231
9Y-5291	231
9Y-5292	231
9Y-5545	282
9Y-5816	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
9Y-5821	581
	583
	585
	587
	589
	591
	593
	595
	601
	603
	605
	607
	613
	615
	617
	619
9Y-5845	634
	635
	636
	637
	638
	639
9Y-6027	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
	617
9Y-6051	70
9Y-6053	70
9Y-6054	72
9Y-6089	17
9Y-6102	152
9Y-6103	▶152
9Y-6180	152
9Y-6362	282
9Y-6387	▶430
9Y-6400	70
9Y-6496	▶384
9Y-6497	384
	468
9Y-7037	243
9Y-7331	252
9Y-7332	252
9Y-7735	69
	70
	72
9Y-8412	498
	500
	502
	504
9Y-8419	622
	623
	624
	632
9Y-8420	622
	623
	624
	632
9Y-8857	180
9Y-9092	183
9Y-9138	183
9Y-9437	641
9Y-9771	498
	500
	502
	504
9Y-9776	450
9Y-9781	213
	417
9Y-9782	241
	363
	417
	498
	500
	502
	504
	508
9Y-9783	498
	500
	502
	504
	508
0	
003-2143	236
	238
003-9163	398
006-7403	73
009-3101	225
012-8140	360
030-1193	352
030-2010	358
030-2284	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
030-3978	233
030-7571	23
	25
	27
	29
030-7946	393
	513
030-7947	253
030-8194	280
030-8838	508
030-9612	293
	296
030-9615	244
031-0216	222
	243
031-0217	242
031-0219	145
	180
031-4155	130
032-1267	233
033-5879	272
	273
	274
	275
034-3665	282
	529
	530
	531
	533
034-4288	229
035-0425	386
	552
035-0499	430
	431
	433
	435
036-9823	425
	427
039-8557	13
	14
053-0103	431
	433
053-2294	39
053-2313	90
054-4984	259

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	261
061-7540	82
	227
061-9458	67
062-5388	498
	500
	503
	505
	654
	655
090-4715	655
097-5921	508
1	
100-2848	227
100-2849	227
100-2851	227
100-6920	32
	34
100-7399	23
	25
	27
	29
100-7408	12
100-7432	18
101-0222	460
101-0225	▶460
	498
	500
	508
101-0523	23
101-1785	493
101-1816	75
101-1818	75
101-2863	364
	365
	535
101-5003	460
101-7352	178
	179
101-7769	204
101-7788	75
101-9798	502
	507
102-0050	361
	▶413
	468
	654
	655
102-8501	179
102-8502	178
102-8619	363
	417
	▶461
102-8627	▶492
102-8802	376
	377
	411
	448
102-8803	376
	377
	378
	406
	407
	408
	409
	413
	448
	461
	654
	655
102-8804	376
	377
102-8805	376
	448
	654
	655
102-8806	498
	500
	503
	505
	507
102-8812	496
	497
102-8813	496
	497
102-8816	460
	462
103-1736	▶448
103-1837	498
	500
	502
	504
103-1838	507
103-1956	▶397
103-6101	▶468
103-6197	497
	500
	502
	504
	508
103-6272	524
103-7284	▶385
103-7288	385
103-8975	498
	501
	503
	505
	▶524
104-2994	497
	500
	502
	504
104-3038	257
104-3045	307
	369
	370
104-4704	▶494
104-6564	367
	368
104-7287	502
	507
104-7632	321
104-7633	320
	321
104-7634	321
104-7635	322
104-8680	321
	322
105-3410	460
	462
105-4401	▶624
	628
105-6624	658
105-7185	▶379
105-7541	403
105-7931	▶437
	440
106-1771	▶369
106-1792	32
	34
106-5164	484
	485
106-5169	▶484
	487
	489
	490
106-5171	▶485
	487
	488
	491
106-7410	1
	2
	4
	5
	6
	▶56
106-8848	417
106-9695	320
106-9696	320
106-9926	498
	500
	502
	504
	508
106-9988	545
107-4438	530
107-5670	36
107-5696	460
107-5907	460
107-6332	▶530
108-0136	▶220
108-1058	▶544
108-1059	▶545
108-1063	▶320
108-2102	267
108-2104	267
108-2780	350
	352
	355
	655
108-3612	178
	179
108-4756	56
108-5603	73
108-6633	265
	▶267
	268
108-7930	122
108-8500	465
109-0072	88
109-0076	111
	139
109-0077	95
	111
	121
109-0078	88
	107
	145
109-0079	115
109-3038	379
109-3206	265
	268
109-3319	▶13
109-4388	654
109-4389	654
	655
109-5737	493
109-5738	493
109-6507	309
	312
	417
	508
109-9685	265
	268
110-1282	5
	6
	▶227
110-1284	227
110-2220	31
110-3402	581
	585
	601
	613
	▶634
110-3403	573
	577
	597
	609
	▶635
110-3404	589
	593
	605
	617
	▶636
110-3763	634
	635
	636
110-4325	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
110-4874	573
	577
	581
	585
	589
	593
	597
	601

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	605
	609
	613
	617
110-4875	573
	577
	581
	585
	589
	593
	597
	601
	605
	609
	613
	617
110-5095	5
	6
	▶34
110-5096	▶36
110-5099	33
	36
	▶37
110-6465	414
110-6844	498
	501
	503
	505
110-6845	498
	501
	503
	505
	507
110-7753	139
110-9697	▶252
111-0887	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
111-1323	309
	417
111-1324	417
	508
111-1325	309
	312
	417
	508
111-1810	13
	14
111-2413	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	654
	655
111-4421	▶207
111-6138	▶301
111-6139	▶367
111-7534	▶526
111-7760	▶417
	499
	503
111-7761	▶417
	501
	505
111-8250	321
	322
111-8251	321
	322
111-9706	▶321
111-9707	▶321
111-9708	▶321
111-9709	▶322
112-4036	398
112-6221	537
112-6222	537
112-6282	164
112-7959	403
112-9119	296
112-9217	48
112-9430	573
	577
	581
	585
	589
	593
	595
	597
	601
	605
	609
	613
	617
113-0802	323
113-0804	323
113-0805	324
	325
113-0807	324
	325
113-0827	323
113-0828	324
113-0829	325
113-0839	▶323
113-0840	▶324
113-0841	▶325
113-0857	323
	324
	325
113-0860	▶438
	440
113-1703	526
113-7794	265
	268
113-9543	164
	183
	184
113-9848	165
	182
114-0863	▶358
114-1172	▶186
114-2687	91
	92
114-3364	261
114-4394	▶170
114-4427	23
	25
	27
	29
	91
	92
114-5988	653
114-6486	▶302
115-0199	182
115-1185	508
115-1360	▶186
115-1361	▶182
115-2367	33
115-2368	33
115-2421	306
115-5852	653
115-7941	403
115-9321	100
115-9322	▶100
116-0427	▶164
116-0428	▶165
116-1918	280
116-1920	▶280
116-2439	▶186
116-2440	▶183
116-3177	165
116-7040	184
116-7041	▶184
117-1385	259
	261
117-3176	130
118-0175	449
	▶462
	502
	504
118-1265	518
118-1324	575
	579
	583
	587
	591
	595
	599
	603
	607
	611
	615
	619
118-2070	449
	▶463
	464
	502
	504
118-2071	449
	▶464
118-5068	84
	85
	86
	87
118-5632	184
118-6932	182
119-0075	280
119-0076	280
119-5155	23
	25
	27
	29
119-5780	▶303
119-8699	244
119-8978	▶303
121-4705	▶524
121-4707	▶472
121-4712	▶506
121-4716	▶473
121-4717	▶474
122-3772	121
122-7374	33
	36
122-9276	5
	6
	▶27
123-1373	306
123-4944	404
123-4945	404
123-4946	404
	405
123-4947	404
	405
123-7450	468
	▶483
124-0174	515
124-1855	32
	34
124-3176	507
125-5700	165
125-5774	415

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	▶418
125-8869	72
125-9969	498
	501
	503
	505
126-0558	404
	405
126-1756	48
126-3515	403
126-7488	507
126-7491	507
127-3330	483
127-6260	380
127-6356	93
	94
127-8380	531
	533
127-8381	531
	533
127-8382	533
127-9070	508
128-0317	122
128-2922	122
128-3326	▶403
	498
	501
	503
	505
	506
128-5096	431
128-5097	▶431
128-5212	433
128-5213	433
128-5214	▶433
128-5878	531
128-5879	531
128-5880	528
128-5881	▶531
128-7405	▶197
128-8556	▶528
129-0308	498
	501
	503
	505
129-1478	▶558
129-1479	▶558
129-1480	▶559
129-1481	▶559
129-1482	▶560
129-1483	▶560
129-1484	▶561
129-1485	▶562
129-1486	▶563
129-1487	▶564
129-1488	▶565
129-1489	▶566
129-1502	558
	▶573
129-1503	558
	▶575
129-1504	559
	▶577
129-1505	559
	▶579
129-1506	560
	▶581
129-1507	560
	▶583
129-1508	561
	▶585
129-1509	562
	▶587
129-1510	563
	▶589
129-1511	564
	▶591
129-1512	565
	▶593
129-1513	566
	▶595
129-1643	533
129-1644	533
129-1645	▶533
129-4053	▶643
129-4428	▶284
129-4439	▶398
129-5035	▶549
	558
	560
	563
	564
	572
129-5205	537
129-5207	537
129-5214	537
129-5216	537
129-5322	167
129-5670	268
129-5672	▶268
	275
	278
129-5841	308
	▶535
129-5842	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
129-6321	448
129-6596	573
129-6597	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
129-6598	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
129-6803	▶350
129-6814	307
129-7502	▶109
129-7543	60
129-7544	▶60
129-7735	▶284
129-9146	537
129-9155	537
129-9423	▶537
	539
	540
	541
129-9424	▶539
129-9426	▶539
	540
129-9427	▶540
129-9452	178
	179
129-9892	166
129-9893	▶166
129-9894	▶167
129-9907	122
130-0032	282
130-0033	▶282
130-0241	72
130-1077	▶284
130-1080	▶284
130-1081	▶285
130-1085	▶285
130-1086	▶285
130-1088	▶285
130-1094	▶286
130-1095	▶286
130-1101	▶286
130-1253	▶286
130-1254	▶287
130-1270	▶287
130-1272	▶287
130-1274	▶287
130-1277	▶288
130-1966	386
	388
130-1967	386
	388
	389
	390
	391
	392
130-1968	▶386
130-1971	▶388
130-1983	▶368
130-2270	▶288
130-2568	307
	▶364
130-2569	307
	308
	▶370
130-2572	307
	308

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
130-3324	▶454
	455
130-3325	▶455
	475
	477
	519
	520
130-3326	455
	457
130-3327	457
130-3328	455
130-3329	459
130-3332	▶456
	457
130-3333	▶457
	476
	478
	520
	522
	523
130-3349	450
	451
	452
	453
	▶458
	459
130-3350	▶459
	523
130-3459	▶625
130-3460	▶625
	▶626
130-3480	▶621
130-3649	▶627
130-3650	▶628
	▶629
130-3651	▶630
130-3652	▶631
130-4589	552
130-4591	▶552
130-4614	5
	6
	▶72
130-4708	▶566
130-4710	▶567
130-4711	▶567
130-4712	▶568
130-4713	▶568
130-4714	▶569
130-4719	566
	▶597
130-4720	567
	▶599
130-4721	567
	▶601
130-4722	568
	▶603
130-4723	568
	▶605
130-4724	569
	▶607
130-5187	261
130-5469	▶204
	205
130-5470	204
130-5622	5
	6
	▶205
130-5691	▶317
130-5693	552
130-5705	537
130-5706	537
130-5707	537
130-5708	537
130-5709	537
130-5710	537
130-6276	▶186
130-6277	▶187
130-6537	▶190
130-6589	536
	539
	540
	541
130-7201	▶142
	169
130-7202	168
130-7241	▶495
130-7242	▶352
130-7435	▶435
130-7548	▶557
130-7569	▶569
130-7570	▶570
130-7571	▶570
130-7572	▶571
130-7573	▶571
130-7574	▶572
130-7584	569
	▶609
130-7585	570
	▶611
130-7586	570
	▶613
130-7587	571
	▶615
130-7588	571
	▶617
130-7589	572
	▶619
130-8402	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
130-8885	111
130-9715	463
	464
	502
	504
130-9716	465
	466
131-0188	5
	6
	▶261
131-0460	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
131-0461	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
131-1701	143
131-1702	▶143
131-1909	573
	575
	577
	579
	581
	583
	585
	587
	589
	591
	593
	595
	597
	599
	601
	603
	605
	607
	609
	611
	613
	615
	617
	619
131-1955	5
	6
	▶275
131-1956	▶475
131-1958	▶476
131-1960	▶519
131-1961	▶520
131-1962	▶521
131-1963	▶522
131-1965	▶523
131-1966	▶642
131-1967	▶441
131-1969	▶487
131-1970	▶487
131-1971	▶404
131-1976	▶403
131-1977	▶446
131-2831	323
131-2832	324
	325
131-3719	265
	268
131-5246	537
131-5247	537
131-5248	537
131-5453	220
	239
	240
131-5454	▶210
	219
131-5455	▶211
	241
131-5567	▶212
131-6179	591
	595
	607
	619
	▶637
131-6180	583
	587
	603
	615
	▶638
131-6181	575
	579

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	599
	611
	▶639
131-7123	48
132-3122	▶278
132-5200	597
	599
132-5201	573
	575
	577
132-5202	609
	611
132-5203	601
	603
132-5204	581
	583
132-5205	613
	615
132-5206	605
	607
132-5207	589
	591
132-5208	593
	595
132-5209	617
	619
132-6790	386
	389
	390
	544
132-8638	284
132-8640	286
132-8643	288
132-8645	287
132-8648	287
132-8649	286
	287
	288
132-8650	284
132-8659	284
132-8660	284
132-8661	286
132-8662	285
132-8664	285
	288
132-8666	285
	287
132-8669	287
132-8670	284
	285
	286
	287
	288
132-8671	284
132-8672	284
132-8680	284
132-8681	286
132-8682	285
132-8684	285
	288
132-8686	285
	287
132-8689	287
132-8690	284
	285
	286
	287
	288
132-9785	▶551
133-6350	▶465
	466
	498
	500
133-6351	▶466
	508
133-8890	243
133-9850	463
133-9878	▶14
134-1157	▶402
134-8278	298
135-2823	▶354
135-2858	198
135-2923	▶318
135-4926	121
	▶122
135-4928	122
135-9987	▶540
	541
135-9988	▶541
135-9995	536
	▶541
135-9996	▶536
136-1106	122
136-1107	122
136-3742	122
136-3870	▶467
	498
	500
136-5937	▶168
136-5938	▶169
137-5541	270
138-0777	▶208
138-6744	122
138-9507	243
139-9026	558
	559
	560
	561
	562
	563
	564
	565
	566
	567
	568
	569
	570
	571
	572
140-3004	298
140-3005	298
141-1468	204
141-1767	▶355
141-2064	499
	501
	503
	505
141-2672	259
	261
141-2674	259
141-2675	259
	261
141-2676	259
	261
141-2678	▶209
141-2858	▶449
142-4934	▶572
142-4935	572
142-5867	21
142-5868	21
142-6073	▶161
142-6217	31
142-7072	31
143-5853	346
143-6856	326
	327
	328
	329
	330
	331
	332
	333
	334
	346
	347
	349
143-7610	347
143-7886	440
	441
143-9760	298
144-0478	243
144-0479	243
144-0480	244
144-0482	265
	268
144-0840	654
	655
144-0861	655
144-3517	257
144-9044	496
	497
145-2362	▶408
	468
145-5219	▶361
145-8855	1
	2
	4
	5
	6
	▶270
145-9408	▶496
145-9409	▶496
145-9410	496
	▶497
145-9411	496
	▶500
145-9412	496
	▶654
147-3081	▶236
147-6842	498
	500
	▶502
	503
	505
147-6843	502
147-6846	502
148-5368	▶468
149-6130	625
	▶632
150-1713	▶194
150-4637	66
151-5550	▶497
151-5551	▶497
151-5552	497
	▶502
151-5553	497
	▶504
151-5554	497
	▶655
151-5925	23
	25
	72
151-5928	23
151-5929	25
152-7642	▶29
153-1256	122
153-2724	107
153-5484	145
153-6680	82
154-4326	1
	2
	4
	5
	6
	▶81
154-4327	▶76
	82
155-2260	376
	448
	496
	497
	498
	500
	503
	505
	507
155-2265	460
	462
155-2270	376
	377
	448
	496
	497
155-2271	376
155-2274	448
	498
	500
	503
	505
	507
155-3820	▶622
	627
155-3822	▶623
	625
155-3832	630
155-3835	631
155-5005	81
	▶82
157-2792	507

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
158-6174	507
158-6181	402
	508
159-1798	463
160-1131	69
160-5447	▶306
161-1720	▶289
161-1721	▶290
161-4111	1
	2
	4
	5
	6
	▶93
161-4113	2
	5
	6
	▶94
164-8940	492
	▶493
165-3929	56
165-3931	56
165-3935	56
165-6170	84
	85
	86
	87
165-6634	▶407
166-9142	57
166-9146	57
167-8081	22
	31
167-8083	22
	31
167-8126	38
168-0342	▶326
	342
168-0343	▶327
	343
168-0345	327
168-7246	72
168-8967	▶328
	335
168-8968	▶329
	336
168-8969	▶330
	337
168-8970	▶331
	338
168-8971	▶332
	339
168-8972	▶333
	340
168-8973	▶334
	341
169-1828	▶335
169-1829	▶336
169-1830	▶337
169-1831	▶338
169-1832	▶339
169-1833	▶340
169-1834	▶341
169-1837	▶342
169-1839	▶343
169-1842	335
169-1843	342
169-1844	335
169-1845	342
169-1850	▶389
169-1851	▶390
169-1854	389
	390
	391
	392
169-1855	326
169-1860	▶391
169-1861	▶392
169-1862	348
169-1863	344
	345
169-1864	▶440
169-1866	440
	▶441
171-5349	410
	411
173-7181	485
	507
174-4290	454
	459
175-1329	▶344
175-1330	▶345
175-1331	344
	▶346
175-1332	345
	▶347
175-1333	346
	347
175-1335	▶348
175-1337	348
	▶349
176-1363	76
	▶77
177-9024	38
178-1318	259
	261
179-9956	402
	449
	512
180-9339	409
185-2831	259
185-7236	363
186-0712	117
	124
	137
186-3165	507
186-3166	508
186-3735	406
	407
	411
	413
186-3736	462
187-2034	293
	296
188-3111	386
	552
191-2205	1
	2
	4
	5
	6
	▶89
191-7941	256
191-7942	256
191-7943	257
191-7944	257
191-7945	258
191-7946	258
192-0276	▶365
192-0277	365
192-4645	542
192-7208	▶90
193-8570	425
	427
194-8124	34
195-2637	508
197-7348	525
197-9322	31
197-9336	72
199-1430	▶117
199-8972	51
2	
200-2302	51
200-2358	368
200-2722	507
200-4289	▶51
201-8822	542
201-8892	542
202-0690	542
202-1257	▶22
	29
202-1258	23
	25
	27
	▶31
202-4934	542
202-4935	542
202-4936	542
202-4937	542
202-4938	542
202-4939	542
202-4940	542
202-4941	542
202-8626	▶83
202-8634	626
	629
	▶633
203-0841	▶542
204-9552	508
204-9553	508
206-4202	293
	296
206-7331	66
206-8874	49
	52
	54
206-8876	49
	52
	54
206-9188	49
	52
	54
207-1556	▶424
207-1557	424
	▶425
207-1564	421
	▶427
207-8644	328
	329
	330
	331
	332
	333
207-8656	334
208-1705	307
211-0089	517
211-0130	309
211-0640	402
	449
	512
212-0922	508
216-8684	361
	▶409
	468
	654
	655
216-8748	626
	629
217-7165	508
217-8402	▶7
217-8403	▶8
217-8404	▶9
217-8405	▶10
217-8406	▶11
217-8407	▶1
	7
217-8408	▶2
	8
217-8409	▶4
	9
217-8410	▶5
	10
217-8411	▶6
	11
219-3214	▶507
219-3215	508
219-3216	507

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
219-3217	508	229-4917	▶363				
219-3218	507	230-9026	▶653				
219-3219	507	232-3101	535				
219-3220	▶449	233-3577	374				
219-3221	▶488		▶375				
219-3222	▶489	233-7441	507				
219-3223	▶403	241-6738	▶640				
219-3224	▶477						
219-3225	▶478						
219-3226	▶404						
219-3227	▶404						
219-3228	▶405						
219-3229	▶405						
219-3230	▶405						
219-3231	▶490						
219-3232	▶447						
219-3233	▶374						
219-3405	▶237						
219-6106	▶132						
219-6107	▶134						
219-6108	▶65						
219-6109	▶52						
219-6110	▶54						
220-4135	▶383						
220-4380	▶440						
220-4382	▶440						
220-4897	▶440						
220-7912	▶239						
220-7913	▶524						
220-7915	▶479						
220-7916	▶512						
220-7918	▶480						
220-7919	▶402						
220-7921	▶491						
220-8181	▶481						
222-0751	▶376						
222-5182	▶307						
222-5183	▶307						
222-5184	▶308						
222-5185	▶308						
222-5186	▶308						
222-5392	▶376						
222-5393	▶376						
222-5395	▶377						
222-5396	▶377						
222-5397	▶377						
222-5398	▶378						
223-6470	402						
	449						
	512						
223-6471	402						
	449						
	512						
223-7267	449						
	512						
224-0791	▶137						
225-7845	▶555						
225-7846	555						
226-1771	▶556						
226-1781	556						
227-4055	124						
	132						
	134						
227-8133	485						
228-4181	508						

▶ **PRIMARY REFERENCE**



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