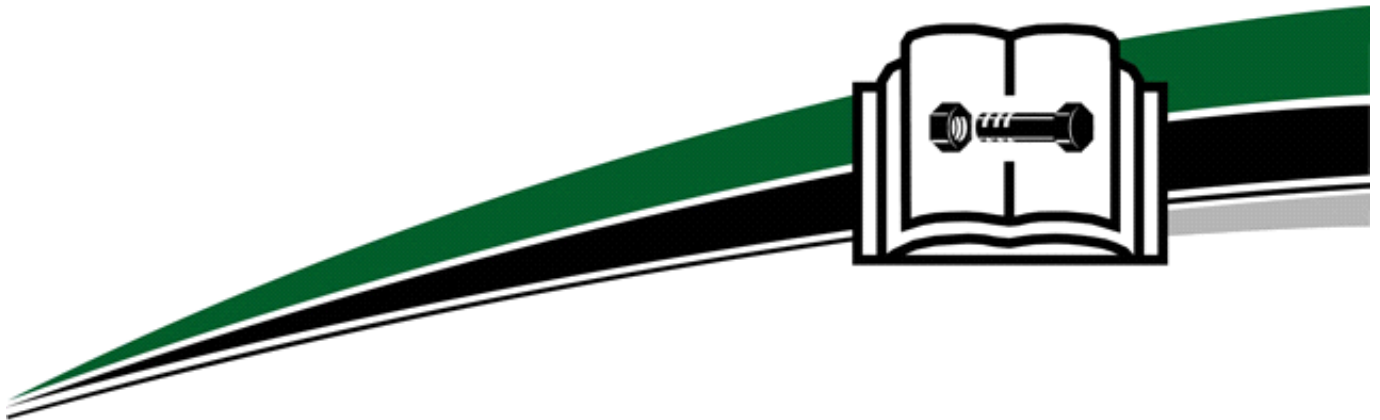


RT450 Tractor

Parts Manual



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Serial No.
Order No. 105400ZRE



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HOW TO USE THE MANUAL

This manual contains illustrations and parts lists of components and assemblies which make up the machine. Each page consists of the name of the assembly or component, a figure number, reference numbers, part numbers, part names, and the quantities of the parts used.

Assembly or component name helps identify the illustration and parts list for each figure. This name also helps locate the general area of the machine where the assembly or component can be located.

Figure numbers are used to identify each assembly or component and to group these assemblies or components into major categories.

Reference numbers shown in a column refer to the numbered parts in the illustration. This ties the part in the illustration to the part number and description in the parts list.

Part numbers are used to identify individual parts or part assemblies.

Part descriptions provide the name of the part, plus additional information such as dimensional specifications and what parts are grouped together to form part assemblies, which helps you identify the part(s).

Quantities listed for each figure are only for that assembly or component and not the total used per machine.

This parts manual is not intended to be a complete guide for machine service or repairs. Contact your Vermeer dealer for any of your service or technical requirements.

ORDERING PARTS

Parts for repair or replacement are available through our network of authorized dealers located throughout the world.

Use only authorized Vermeer parts for repair or replacement. Always give the serial number and

model number of the machine for which parts are being ordered. When ordering parts for component(s), which are not manufactured by Vermeer Corporation, also give the serial number of that component(s). Order all parts by part number, part name, and quantity needed.

UPDATING AND REORDERING MANUALS

The parts lists, illustrations, and specifications in this manual are based on the latest information available at time of publication. Your machine may have product improvements and options not yet contained in this manual.

Vermeer Corporation reserves the right to make changes at any time without notice or obligation to you.

Your dealer will receive notice of these changes and can assist you with accurate parts identification when ordering.

A copy of this manual is supplied with each machine. Additional copies are available through your dealer. When ordering additional manuals, use the reorder number listed on the front cover and the quantity needed.

NOTICE TO OWNER

Replacement manuals are free of charge by registering your **used** Vermeer machine. Your machine's Operator's, Maintenance and Parts Manuals may be available online at www.myvermeer.com. For questions about online or printed manuals, or to register a used machine, contact the Customer Data Department by telephone: 800-829-0051 or 641-628-3141; email: customerdata@vermeer.com; internet: www.vermeer.com or www.myvermeer.com; or, letter: Customer Data Dept., Vermeer Corporation, PO Box 200, Pella IA 50219 USA.

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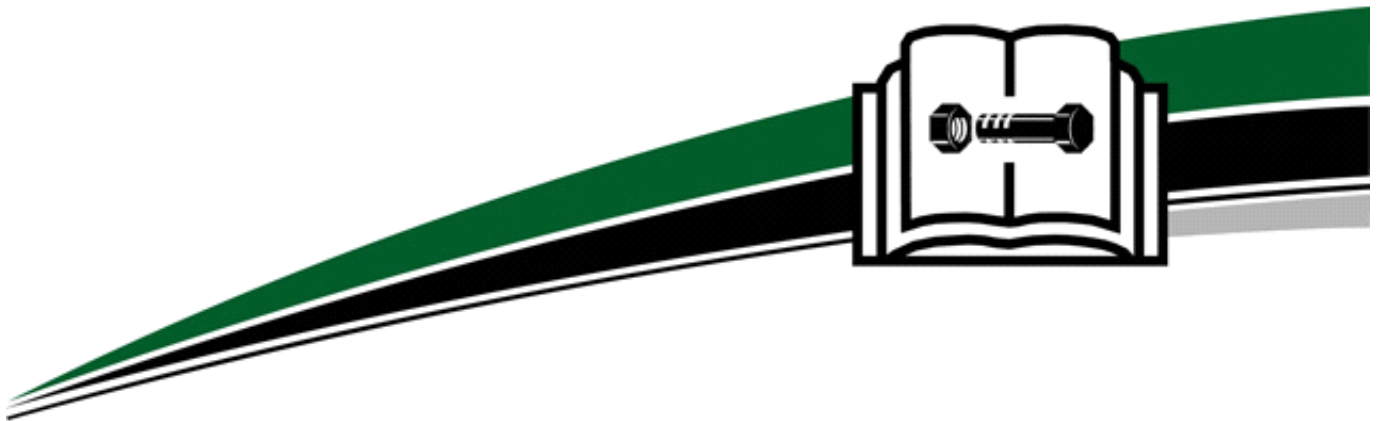
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MAINTENANCE SUPPLIES



MAINTENANCE SUPPLIES

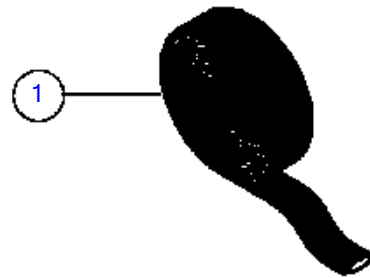
HYDRAULIC SUPPLIES
LUBRICANTS
DT SERIES CONNECTORS
DT SERIES TOOLS

Fig 01-01
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HYDRAULIC SUPPLIES

Fig 01-01

CORDURA SLEEVES

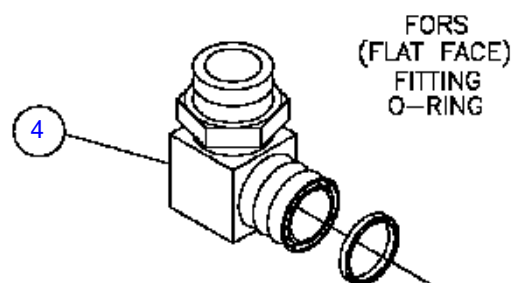
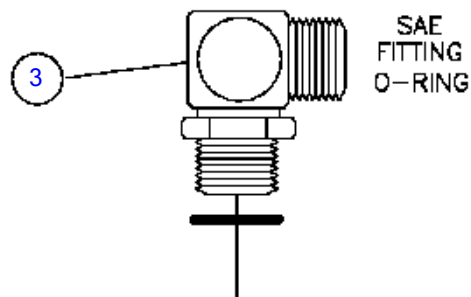


NOTE: SPECIFY LENGTH WHEN ORDERING

TIE STRAPS



O-RINGS



NOTE: O-RINGS LISTED ARE 90 DUROMETER

HYDRAULIC SUPPLIES

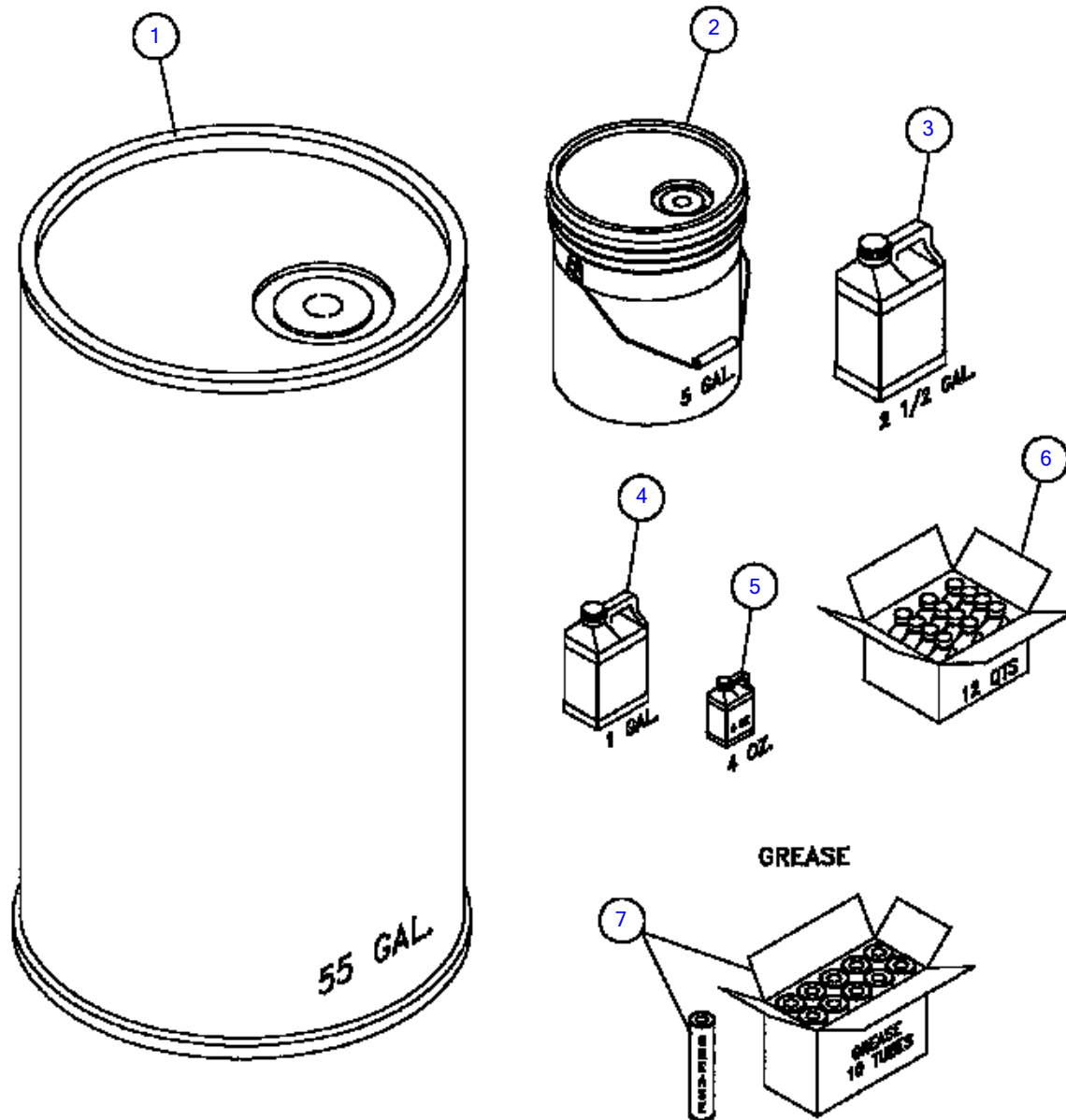
Fig 01-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
		CORDURA SLEEVES	A/R	
1	83726001	CORDURA SLEEVE-.090WALLX.71ID.	A/R	SPECIFY LENGTH
1	66094001	CORDURA SLEEVE .090WALL 1.22ID	A/R	SPECIFY LENGTH
1	67264001	CORDURA SLEEVE .090WALL 1.42ID	A/R	SPECIFY LENGTH
1	69129001	SLEEVE-CORDURA 1.59ID	A/R	SPECIFY LENGTH
1	53840001	CORDURA SLEEVE-.090WALL1.81 ID	A/R	SPECIFY LENGTH
1	53841001	CORDURA SLEEVE-.090WALL 2.37DI	A/R	SPECIFY LENGTH
1	235824001	CORDURA SLEEVE-NHS-090	A/R	SPECIFY LENGTH
		TIE STRAPS	A/R	
2	78657001	STRAP-CABLE TIE 4" T18R	A/R	
2	59634001	SINGLE NYTIE - 8"	A/R	
2	58151001	STRAP-CABLE TIE-T120R-0 15"	A/R	
		O-RINGS (SAE)	A/R	
3	78185027	O-RING # 407228	A/R	
3	53649081	O-RING	A/R	
3	59088057	O-RING AS-906-C90	A/R	
3	59088053	O-RING SAE 8	A/R	
3	792029	O-RING	A/R	
3	78518037	ORING	A/R	
3	(3152013)	SEAL-O-RING GRESEN 2708-001	A/R	
3	793017	ORING	A/R	
3	(3155015)	SEAL-O-RING GRESEN 2709-001	A/R	
3	81580001	O-RING # AS-916-090	A/R	
3	93316001	O-RING AS-920-C90	A/R	
		O-RINGS (FORS)	A/R	
4	4485011	O-RING-250003-903 (90D) 5/16" ID X 7/16" OD	A/R	90 DUROMETER
4	(93843001)	ORING-AS-011-C90 FOR#4ORS FIT	A/R	90 DUROMETER
4	1749025	SEAL-O RING 15007 (90D)	A/R	91 DUROMETER
4	(93844001)	ORING-AS-012-C90 FOR #6ORS FIT	A/R	91 DUROMETER
4	16138031	ORING	A/R	92 DUROMETER
4	(93845001)	ORING-AS-014-C90 FOR#8ORS FIT.	A/R	92 DUROMETER
4	93846001	O-RING-AS-016-C90 FOR#10ORS FIT	A/R	93 DUROMETER
4	93847001	O-RING-AS-018-C90 FOR#12ORS FIT	A/R	94 DUROMETER
4	19876047	O-RING-405895 (90D)	A/R	95 DUROMETER
4	(93848001)	ORING-AS-021-C90 FOR#16ORS FIT	A/R	95 DUROMETER
4	93849001	O-RING-AS-025-C90 FOR#20ORS FIT	A/R	96 DUROMETER
4	93850001	O-RING-AS-029-C90 FOR#24ORS FIT	A/R	97 DUROMETER

LUBRICANTS

Fig 01-02

MOTOR OIL, HYD FLUID, HYD OIL,
TRANSMISSION FLUID, ETC.



LUBRICANTS

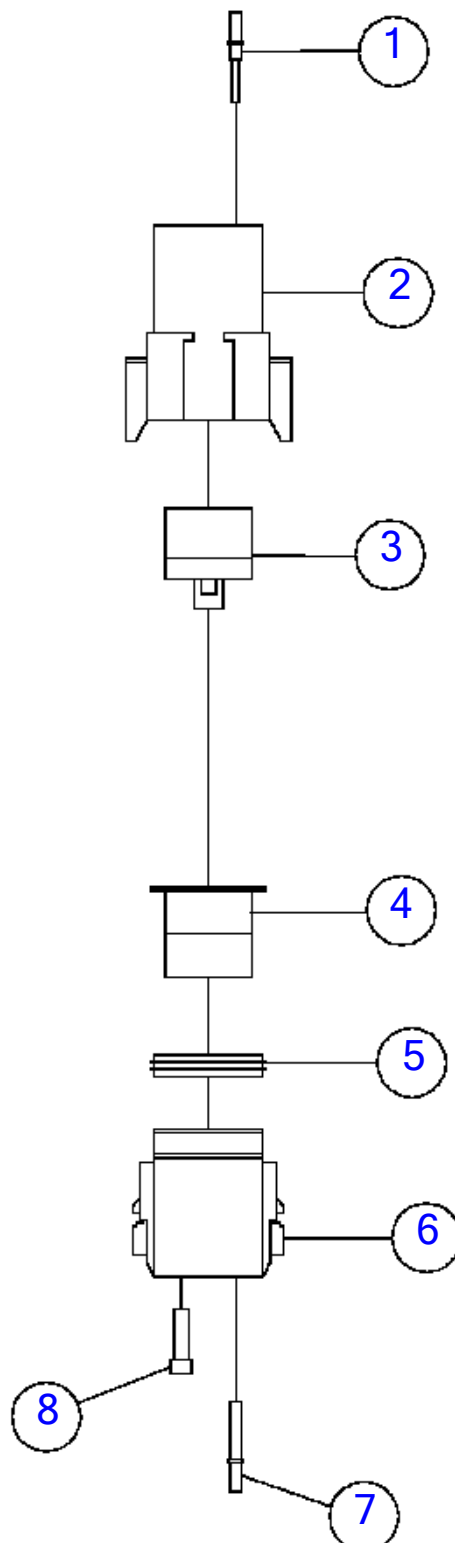
Fig 01-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
		55 GALLON	A/R	
1	99661005	ULTRA GOLD 15W40 55 GALLON DRUM	A/R	
1	104155005	ULTRA GOLD 30W 55 GALLON DRUM	A/R	
1	99662005	ULTRA GOLD VMF HYD FLUID 55 DRUM	A/R	
1	101518005	ULTRA GOLD HY-POWER 68 55 GALLON DRUM	A/R	
1	101519005	ULTRA GOLD HY-POWER 100 55 GALLON DRUM	A/R	
1	621584005	ULTRA GOLD HY-POWER 46 HYD OIL 55 GAL.	A/R	
1	144569982	MOBIL EAL224H 55 GALLON DRUM	A/R	
1	99663005	ULTRA GOLD 80/90WGEAR OIL 55 DRUM	A/R	
1	99661005	ULTRA GOLD 15W40 55 GALLON DRUM	A/R	
		5 GALLON	A/R	
2	99661003	ULTRA GOLD 15W40 5 GALLON PAIL	A/R	
2	142939003	ULTRA GOLD 10W/30 5 GAL PAIL	A/R	
2	99662003	ULTRA GOLD VMF HYD FLUID 5 GALLON PAIL	A/R	
2	101518003	ULTRA GOLD HY-POWER 68 5 GALLON PAIL	A/R	
2	101519003	ULTRA GOLD HY-POWER 100 5 GALLON PAIL	A/R	
2	621584003	ULTRA GOLD HY-POWER 46 HYD OIL 5 GALLON	A/R	
2	125653003	ULTRA GOLD ATF 5 GALLON	A/R	
2	127732003	HYD. OIL-BIODEGRADABLE (5 GAL)	A/R	
2	99663003	ULTRA GOLD 80W90 TRANS 5 GALLON PAIL	A/R	
		2 1/2 GALLON	A/R	
3	99661002	ULTRA GOLD 15W40 CASE 2 2 1/2 GALLON JUGS	A/R	
3	99662002	ULTRA GOLD VMF HYD 2 2 1/2 GALLON JUGS	A/R	
3	101518002	ULTRA GOLD HY-POWER 68 2 2 1/2 GALLON JUGS	A/R	
3	101519002	ULTRA GOLD HY-POWER 100 2 2 1/2 GALLON BUCKETS	A/R	
3	621584002	ULTRA GOLD HY-POWER 46 HYD OIL 2 1/2 GAL (CASE 2)	A/R	
3	125653002	ULTRA GOLD ATF FLUID 2 2 1/2 GALLON JUGS	A/R	
3	99663002	ULTRA GOLD 80W90 TRANS 2 1/2 case	A/R	
3	142939002	ULTRA GOLD 10W30 2 2 1/2 GALLON BUCKETS	A/R	
		1 GALLON	A/R	
4	101518007	ULTRA GOLD HY-POWER 68 BULK	A/R	
		MISC	A/R	
5	2647001	DIFFERENTIAL FLUID - 4 OZ.	A/R	
		12 QUARTS (CASE)	A/R	
6	99661008	ULTRA GOLD 15W40 CASE 12 QUARTS	A/R	
6	142939008	ULTRA GOLD 10W30 MOTOR OIL(12 QTS)	A/R	
6	247337008	50W OIL-NONDETERGENT(CASE 12 QUARTS)	A/R	
6	216825008	ULTRA GOLD 75W90 SYNTHETIC 12 QUARTS	A/R	
6	238858008	PL VMR ISO SYN GEAR 12QT/CS	A/R	
		10PC CASE (14OZ TUBES)	A/R	
7	101562003	ULTRA GOLD ULTRA LC GREASE CASE OF 10 14OZ	A/R	

DT SERIES CONNECTORS

Fig 01-03

DT SERIES



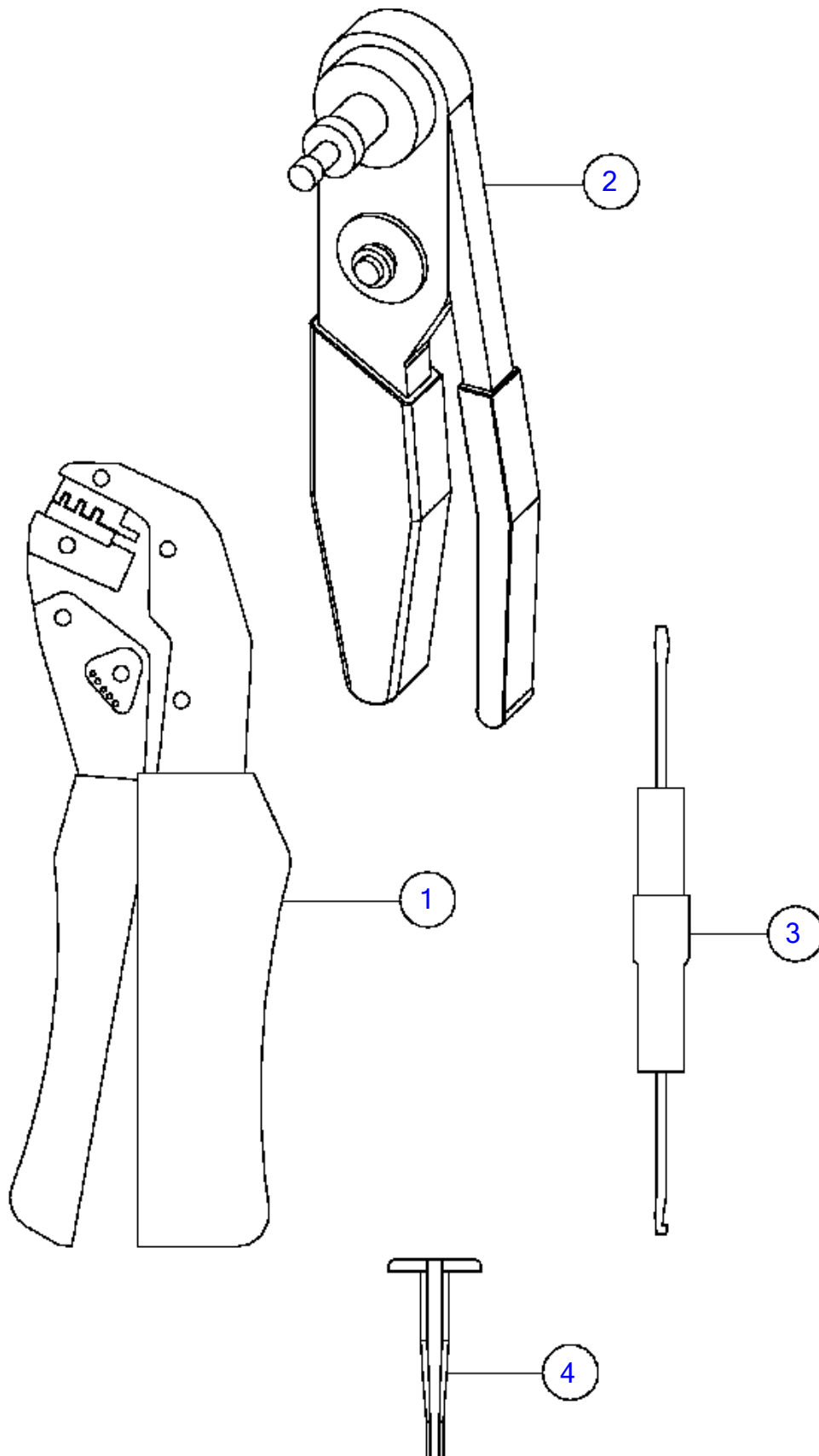
DT SERIES CONNECTORS

Fig 01-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	276866001	PIN - 14/16 GA.	A/R	
1	87696001	CONTACT PIN - SIZE 16, SOLID	A/R	
2	125286001	RECEPTACLE-DEUTSCH 2 PIN	A/R	
2	(276867001)	RECEPTACLE - 2 PIN	A/R	
2	276868001	RECEPTACLE - 3 PIN	A/R	
2	130656001	RECEPTACLE-DEUTSCH 4 PIN	A/R	
2	(276869001)	RECEPTACLE - 4 PIN	A/R	
2	276890001	RECEPTACLE - 6 PIN	A/R	
2	276943001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276944001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276945001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276946001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276947001	RECEPTACLE - 12 PIN (A)	A/R	
2	276948001	12 WAY RECEPTACLE - DT SERIES	A/R	
2	276949001	12 WAY RECEPTACLE - DT SERIES	A/R	
2	276950001	12 WAY RECEPTACLE - DT SERIES	A/R	
3	276870001	WEDGE - 2 PIN RECEPTACLE	A/R	
3	276871001	WEDGE - 3 PIN RECEPTACLE	A/R	
3	276872001	WEDGE - 4 PIN RECEPTACLE	A/R	
3	276873001	WEDGE - 6 PIN RECEPTACLE	A/R	
3	94200001	8 CONTACT RECEPTACLE - WEDGE LOCK	A/R	
3	103213001	12 CONTACT RECEPTACLE - WEDGE LOCK	A/R	
4	276874001	WEDGE - 2 PIN PLUG	A/R	
4	125284001	3 CONTACT PLUG - WEDGE LOCK	A/R	
4	(276875001)	WEDGE - 3 PIN PLUG	A/R	
4	276876001	4 WAY PLUG - WEDGELOCK	A/R	
4	276877001	WEDGE - 6 PIN PLUG	A/R	
4	98106001	8 CONTACT PLUG - WEDGE LOCK	A/R	
4	103214001	WEDGE - 12 PIN PLUG	A/R	
5	276878001	GASKET - INTERFACE 2 PIN	A/R	
5	276879001	GASKET - INTERFACE 3 PIN	A/R	
5	276880001	GASKET - INTERFACE 4 PIN	A/R	
5	276881001	GASKET - INTERFACE 6 PIN	A/R	
5	276882001	GASKET - INTERFACE 8 PIN	A/R	
5	276883001	GASKET - INTERFACE 12 PIN	A/R	
6	276884001	PLUG - 2 PIN	A/R	
6	125289001	3 WAY PLUG - DT SERIES	A/R	
6	(276885001)	PLUG - 3 PIN	A/R	
6	276886001	4 WAY PLUG - DT SERIES	A/R	
6	276887001	PLUG - 6 PIN	A/R	
6	98107001	8 WAY PLUG - DT SERIES	A/R	
6	276985001	8 WAY PLUG - DT SERIES	A/R	
6	276986001	8 WAY PLUG - DT SERIES	A/R	
6	276987001	8 WAY PLUG - DT SERIES	A/R	
6	103211001	12 WAY PLUG - DT SERIES	A/R	
6	276988001	12 WAY PLUG - DT SERIES	A/R	
6	276989001	12 WAY PLUG - DT SERIES	A/R	
6	276990001	12 WAY PLUG - DT SERIES	A/R	
7	91354001	CONTACT SOCKET - SIZE 16, SOLID	A/R	
8	94201001	PLUG - SEALING (12-16)	A/R	

DT SERIES TOOLS

Fig 01-04

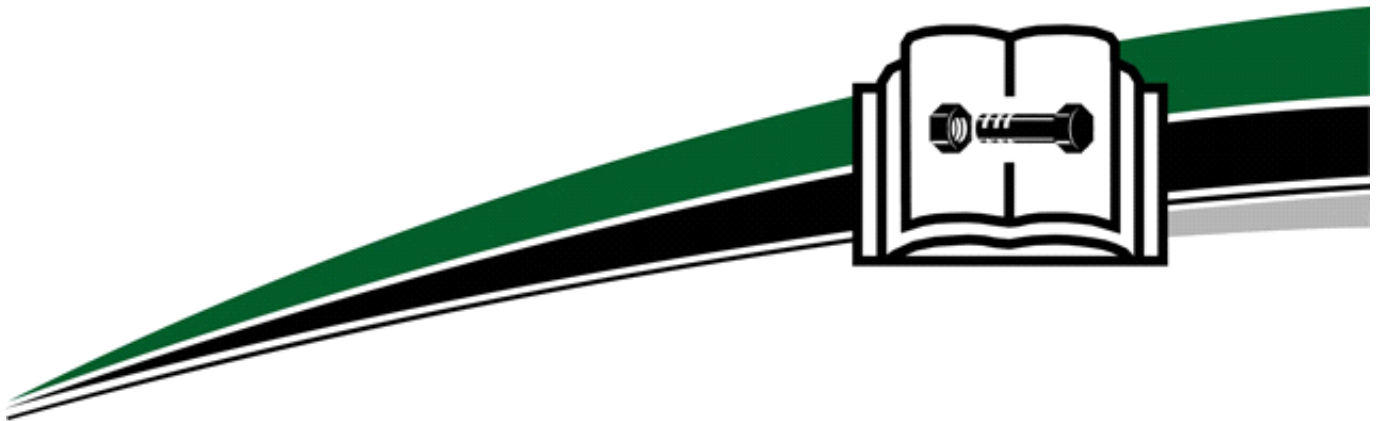


DT SERIES TOOLS

Fig 01-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	286553001	TOOL - DEUTSCH CRIMPING (FIELD)	A/R	
2	603961001	PLIERS-DEUTSCH CRIMPING	A/R	
3	286553003	TOOL - DEUTSCH (FIELD)	A/R	
4	905102001	TOOL-CONTACT REMOVAL	A/R	
4	(276892001)	TOOL - 16/18 GA. EXTRACTOR (BLUE)	A/R	
	276893001	TOOL - 20/24 GA. EXTRACTOR (RED)	A/R	

DECAL LIST

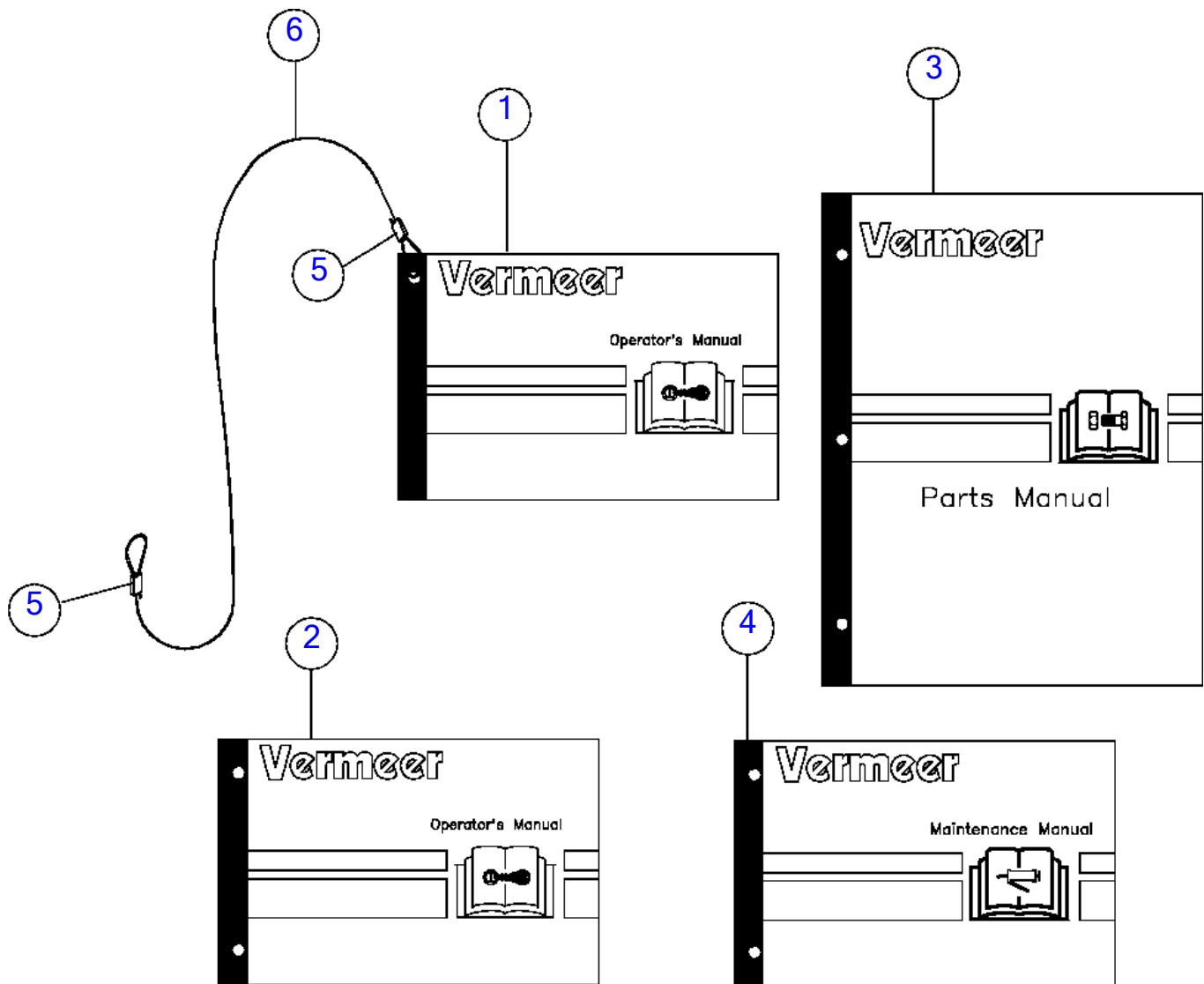


DECAL LIST

RESOURCE LIBRARY	Fig 02-01
DECAL-COSMETIC (DOMESTIC / INTERNATIONAL)	Fig 02-02
DECAL-CONTROL (DOMESTIC / INTERNATIONAL)	Fig 02-03
DECAL-CONTROL (DOMESTIC / INTERNATIONAL)	Fig 02-04
DECAL-MISC (DOMESTIC / INTERNATIONAL)	Fig 02-05
DECAL-WARNING (DOMESTIC/INTERNATIONAL)	Fig 02-06
DECAL-WARNING (DOMESTIC/INTERNATIONAL)	Fig 02-07
DECAL-WARNING (DOMESTIC/INTERNATIONAL)	Fig 02-08
DECAL-AUX. TOOL/PORTA BORE (DOMESTIC/INTERNATIONAL)	Fig 02-09

RESOURCE LIBRARY

Fig 02-01



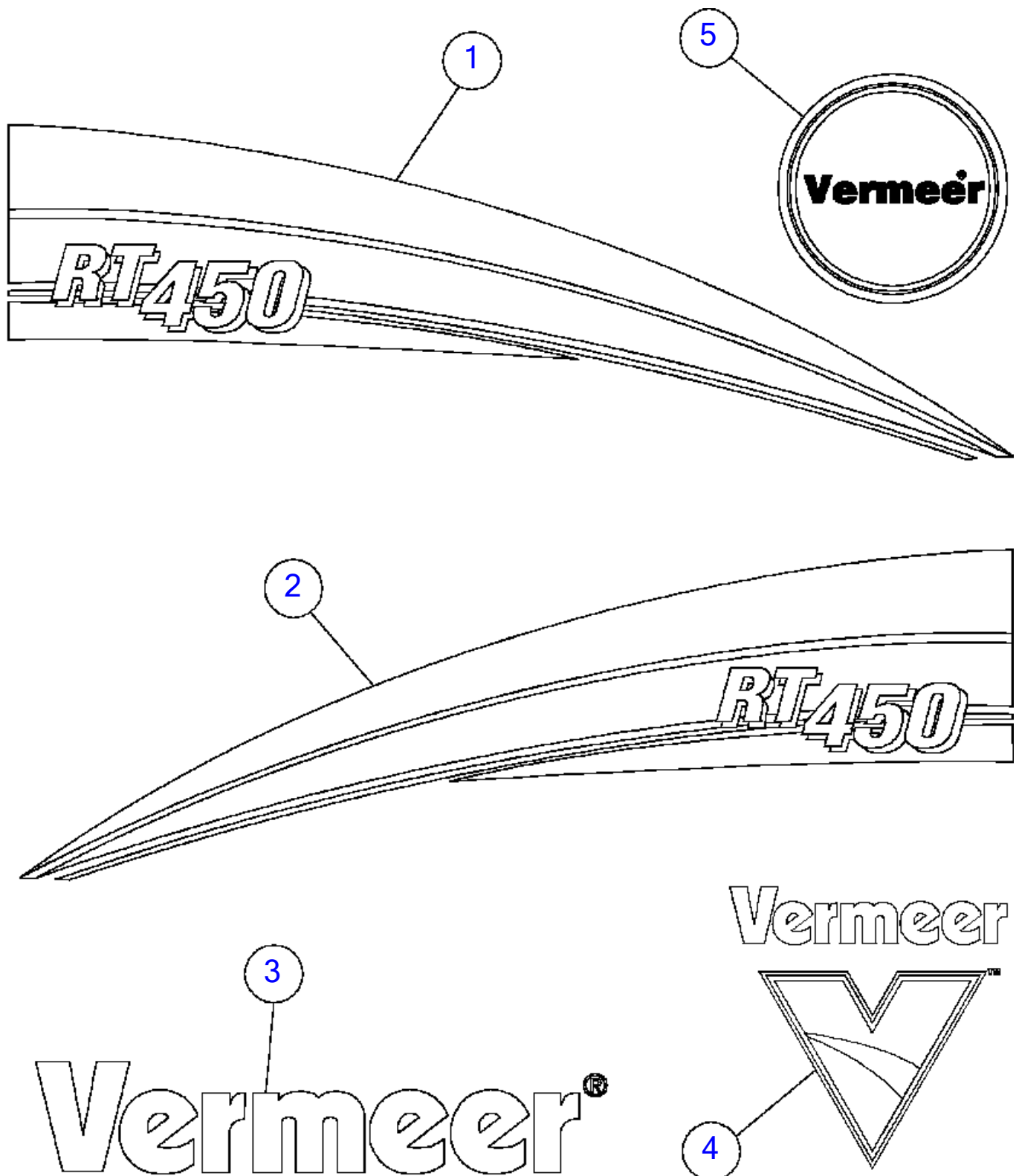
RESOURCE LIBRARY

Fig 02-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	262107001	MANUAL ASSY - RT450 OM CABLED	1	Includes Ref. No's 5&6
1	262234001	MANUAL ASSY - RT450 (SP) CABLED	1	
2	105400V18	OM-RT450 W/ATTCH (EN) o1.00	1	
2	117000U65	OM-RT450 (SP) o1.02	1	
3	105400ZRE	PM - RT450 TRACTOR PARTS MANUAL p3.00	1	
4	105400V20	MM-RT450 W/ATTCH (EN)	1	
4	117000U67	MM-RT450 (SP) m1.02	1	
5	142423001	CRIMP-CABLE (FOR.068DIA.CABLE)	2	
6	142954001	CABLE-.068DIA.NYLON CT.-36.00	1	

DECAL-COSMETIC (DOMESTIC / INTERNATIONAL)

Fig 02-02

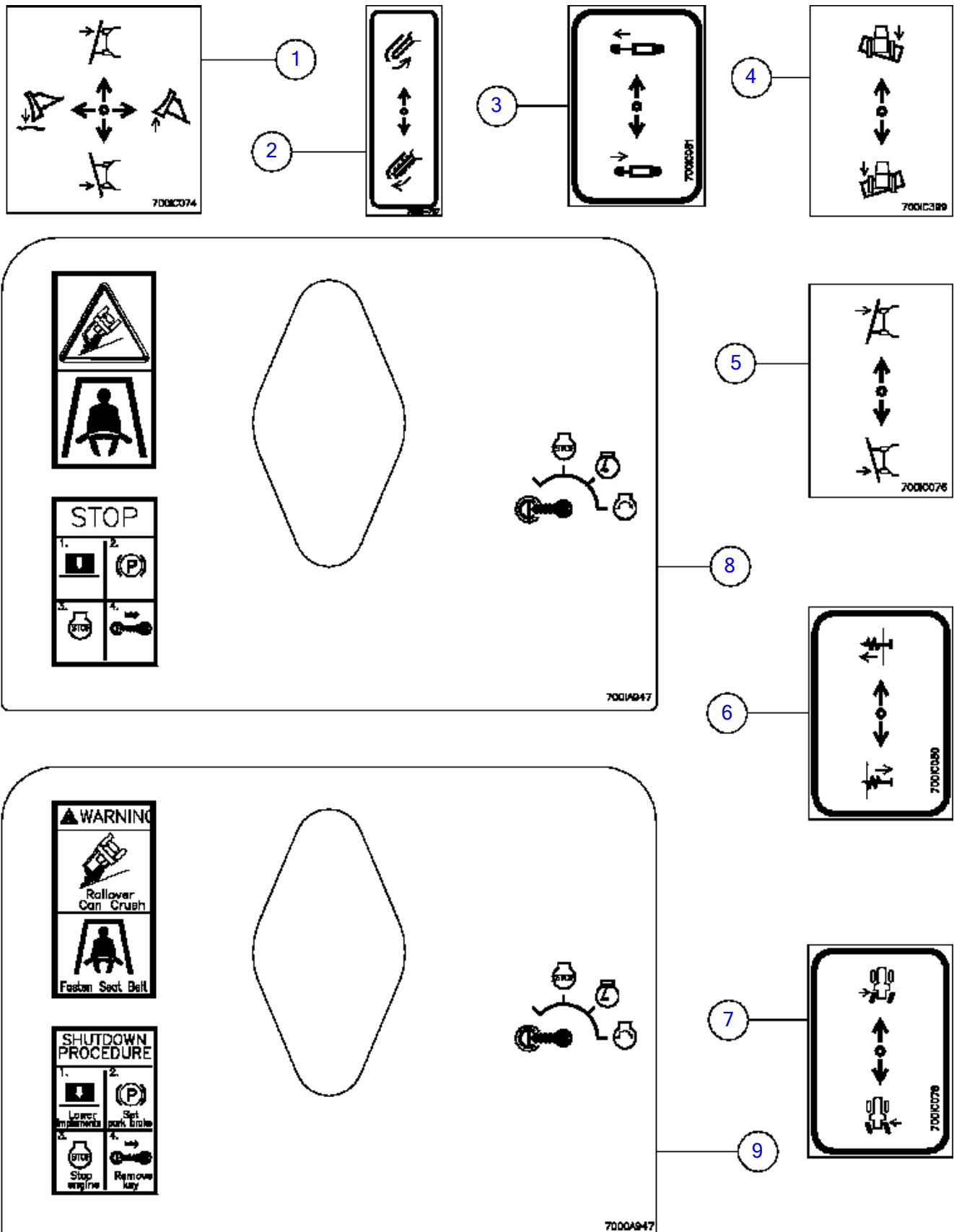


DECAL-COSMETIC (DOMESTIC / INTERNATIONAL)**Fig 02-02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000D147	DECAL - RT450 LEFT SIDE STRIPE	1	
2	7000D146	DECAL - RT450 RIGHT SIDE STRIPE	1	
3	2326621	DECAL- VERMEER 2 3/8 X 11 7/8	1	
	2326608	DECAL-VERMEER 4"	1	
4	7000D007	DECAL-6.00" COSMETIC V	1	
5	2326811	DECAL-STEERING WHEEL CAP	1	

DECAL-CONTROL (DOMESTIC / INTERNATIONAL)

Fig 02-03



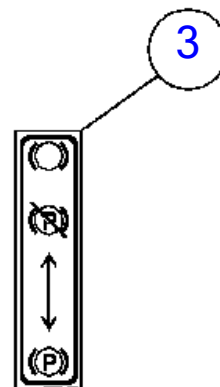
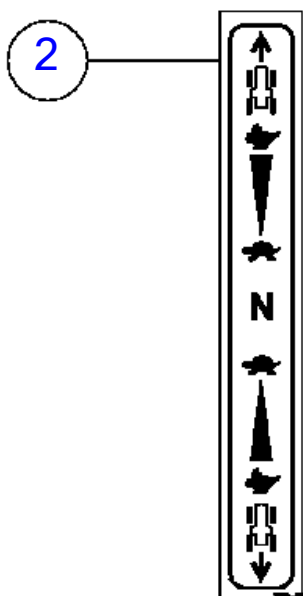
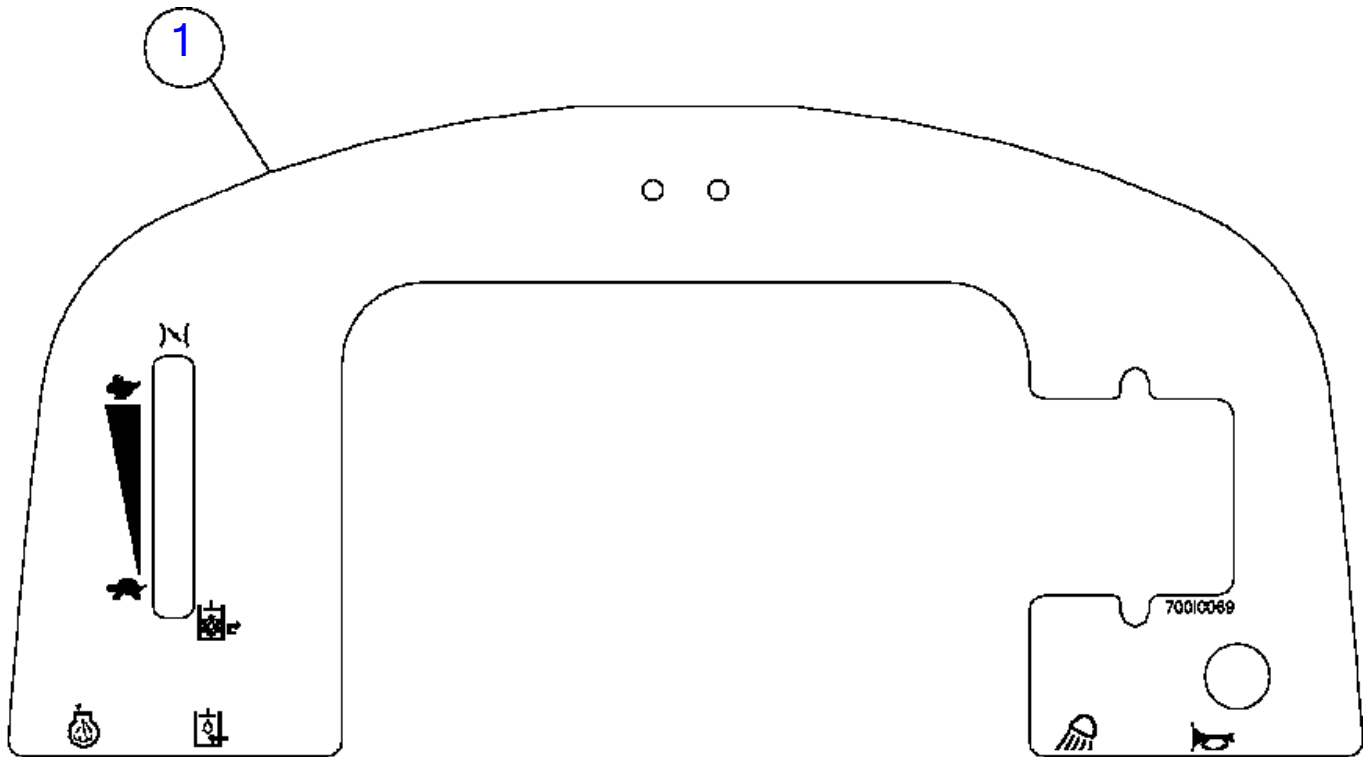
DECAL-CONTROL (DOMESTIC / INTERNATIONAL)

Fig 02-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	700IC074	DECAL - BLADE SWING/LIFT	1	
2	7000I757	DECAL-TRENCHER DRIVE	1	
3	700IC081	DECAL - AUXILIARY HYDRAULICS	1	
4	700IC399	DECAL - BLADE TILT	1	
5	700IC076	DECAL - BLADE SWING	1	
6	700IC080	DECAL - BORING ATTACHMENT	1	
7	700IC078	DECAL - REAR STEER	1	
8	700IA947	DECAL-CONTROL PANEL	1	International
9	7000A947	DECAL-CONTROL PANEL	1	Domestic

DECAL-CONTROL (DOMESTIC / INTERNATIONAL)

Fig 02-04

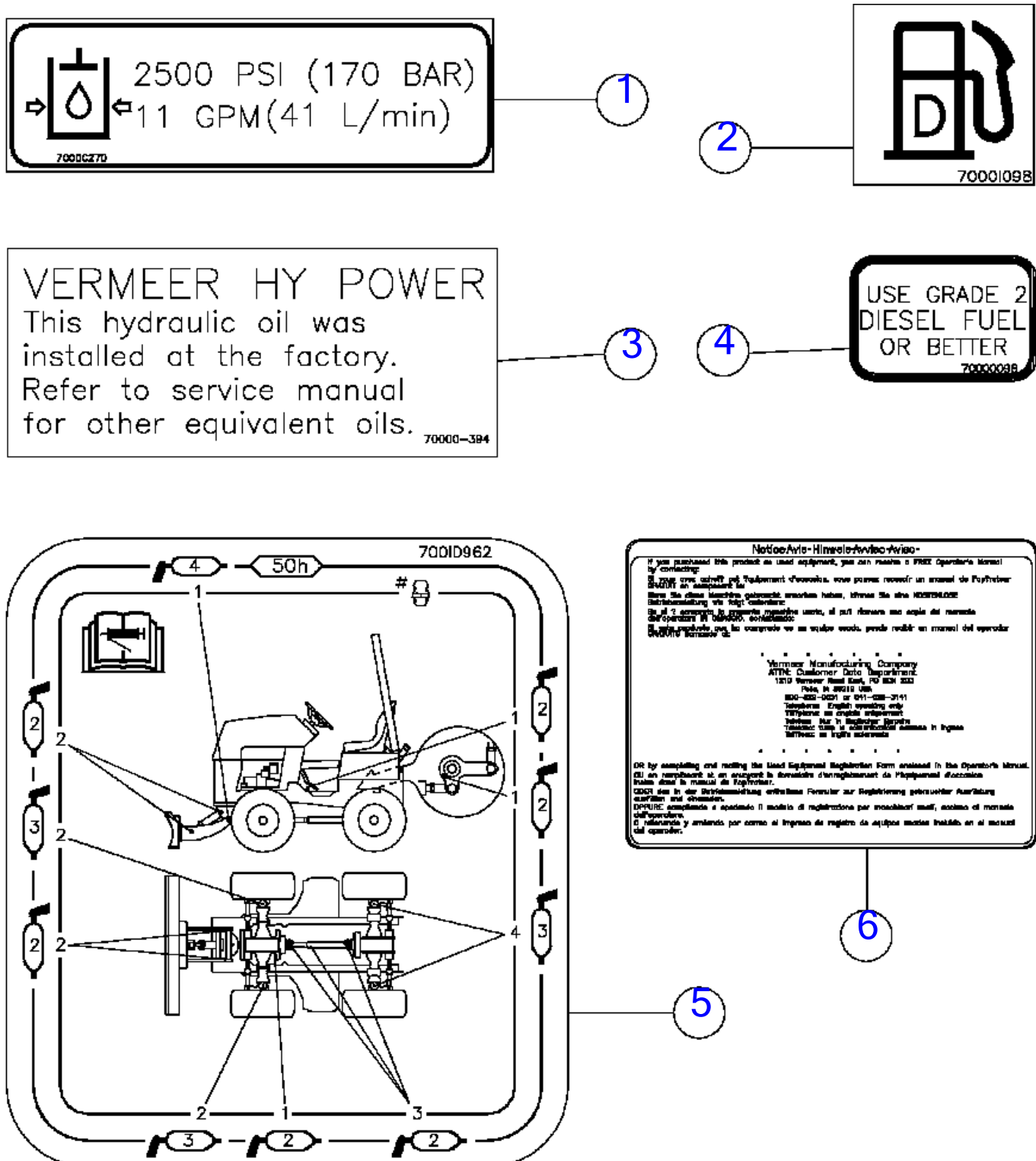


DECAL-CONTROL (DOMESTIC / INTERNATIONAL)**Fig 02-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	700IC069	DECAL - MAIN CONTROL PANEL	1	
2	700IA300	DECAL-HYDRAULIC CREEP (UND)	1	
3	700IA064	DECAL-PARK BRAKE	1	

DECAL-MISC (DOMESTIC / INTERNATIONAL)

Fig 02-05



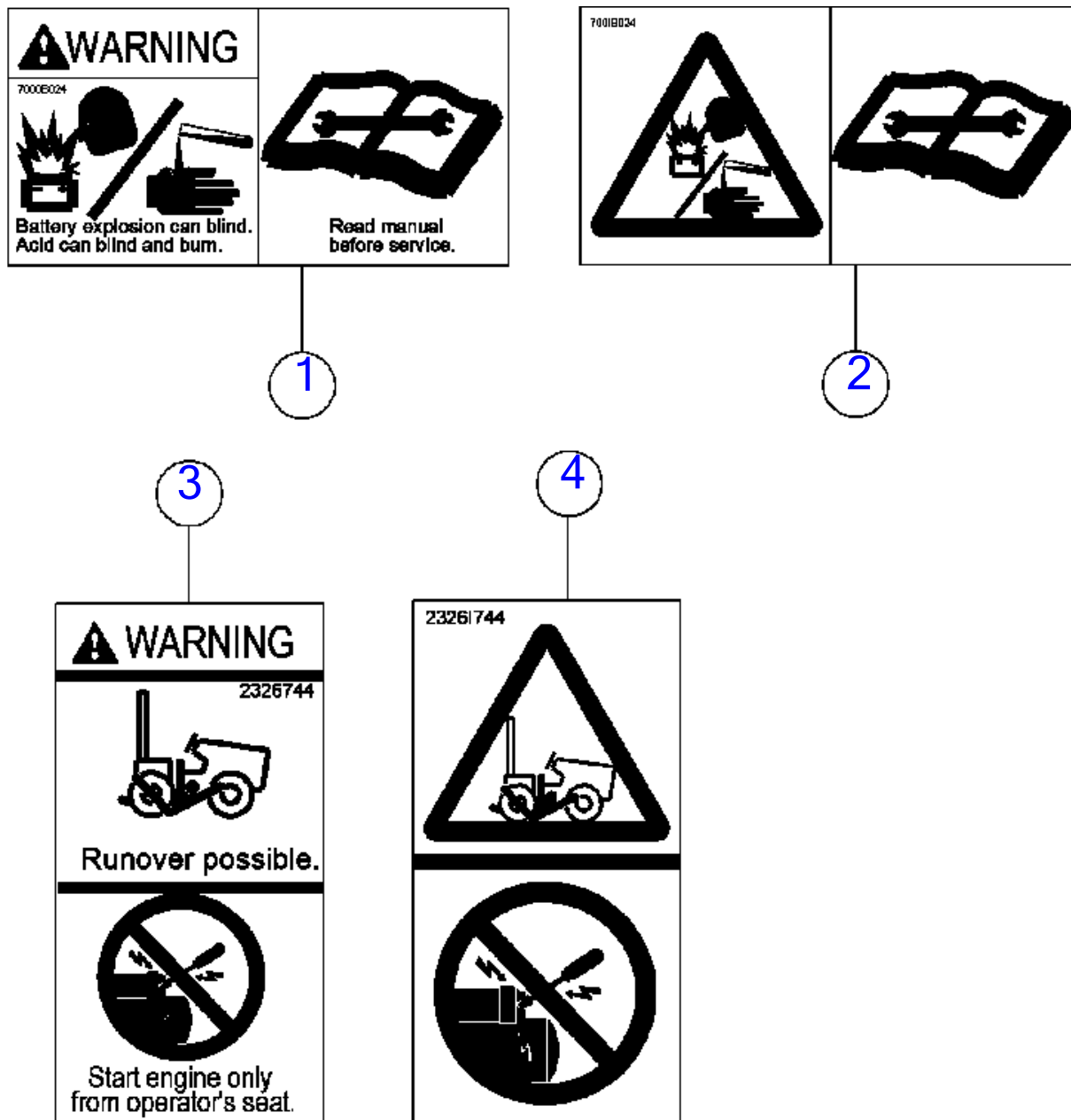
DECAL-MISC (DOMESTIC / INTERNATIONAL)

Fig 02-05

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000C270	DECAL - RT450 AUX.HYDRAULIC	1	
2	7000I098	DECAL-DIESEL FUEL	1	
3	70000394	DECAL-VERMEER HY POWER	1	
4	70000098	DECAL-DIESEL (AT/UND)	1	
5	700ID962	DECAL-LUBE CHART	1	
6	2326940	DECAL-NOTICE TO OWNERS	1	

DECAL-WARNING (DOMESTIC/INTERNATIONAL)

Fig 02-06



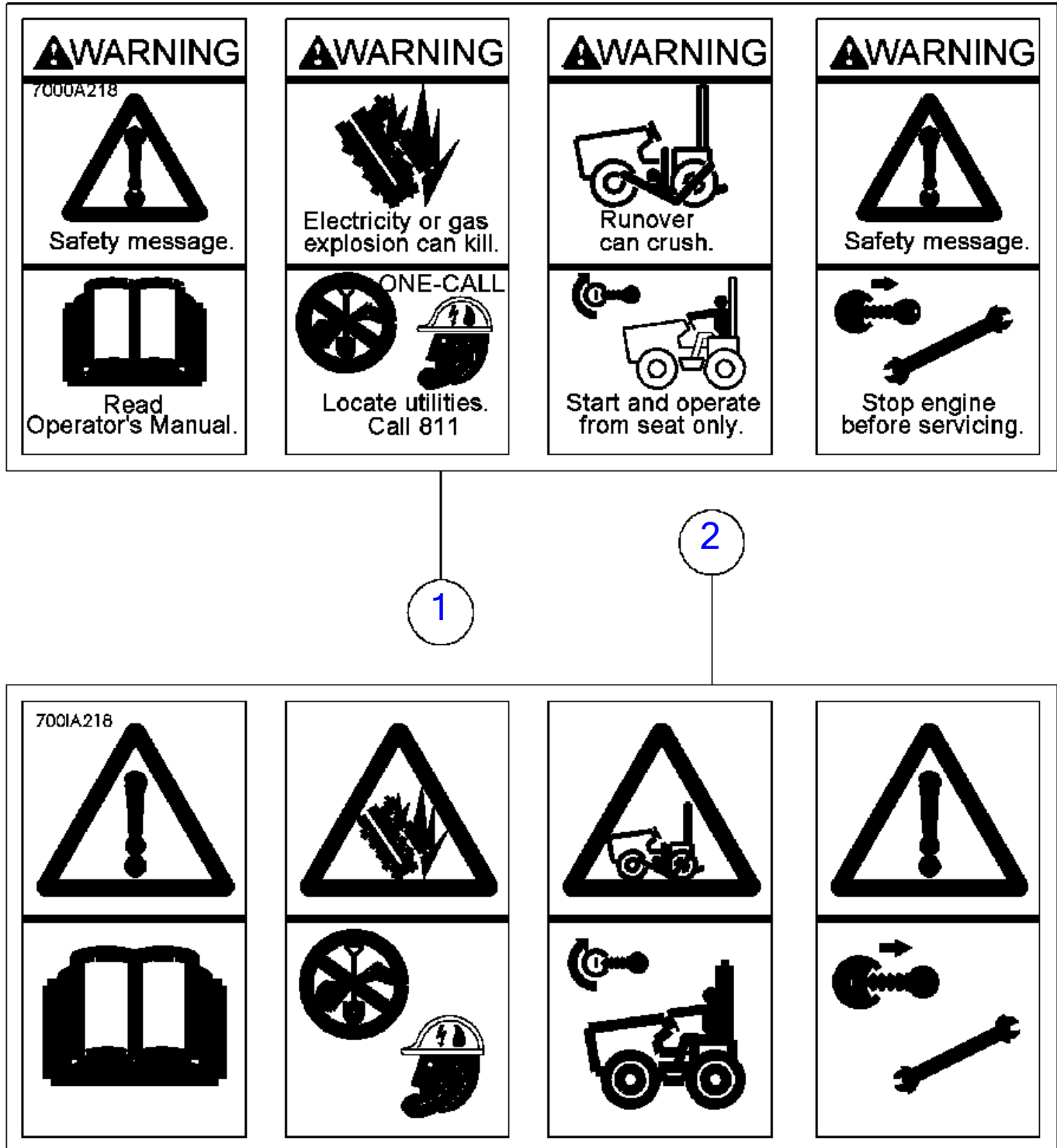
DECAL-WARNING (DOMESTIC/INTERNATIONAL)

Fig 02-06

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	700IB024	DECAL - WARNING	1	DOMESTIC
2	7000B024	DECAL - WARNING	1	INTERNATIONAL
3	2326744	DECAL-WARNING 2 1/8X3 7/8	1	DOMESTIC
4	2326I744	DECAL-WARNING	1	INTERNATIONAL

DECAL-WARNING (DOMESTIC/INTERNATIONAL)

Fig 02-07

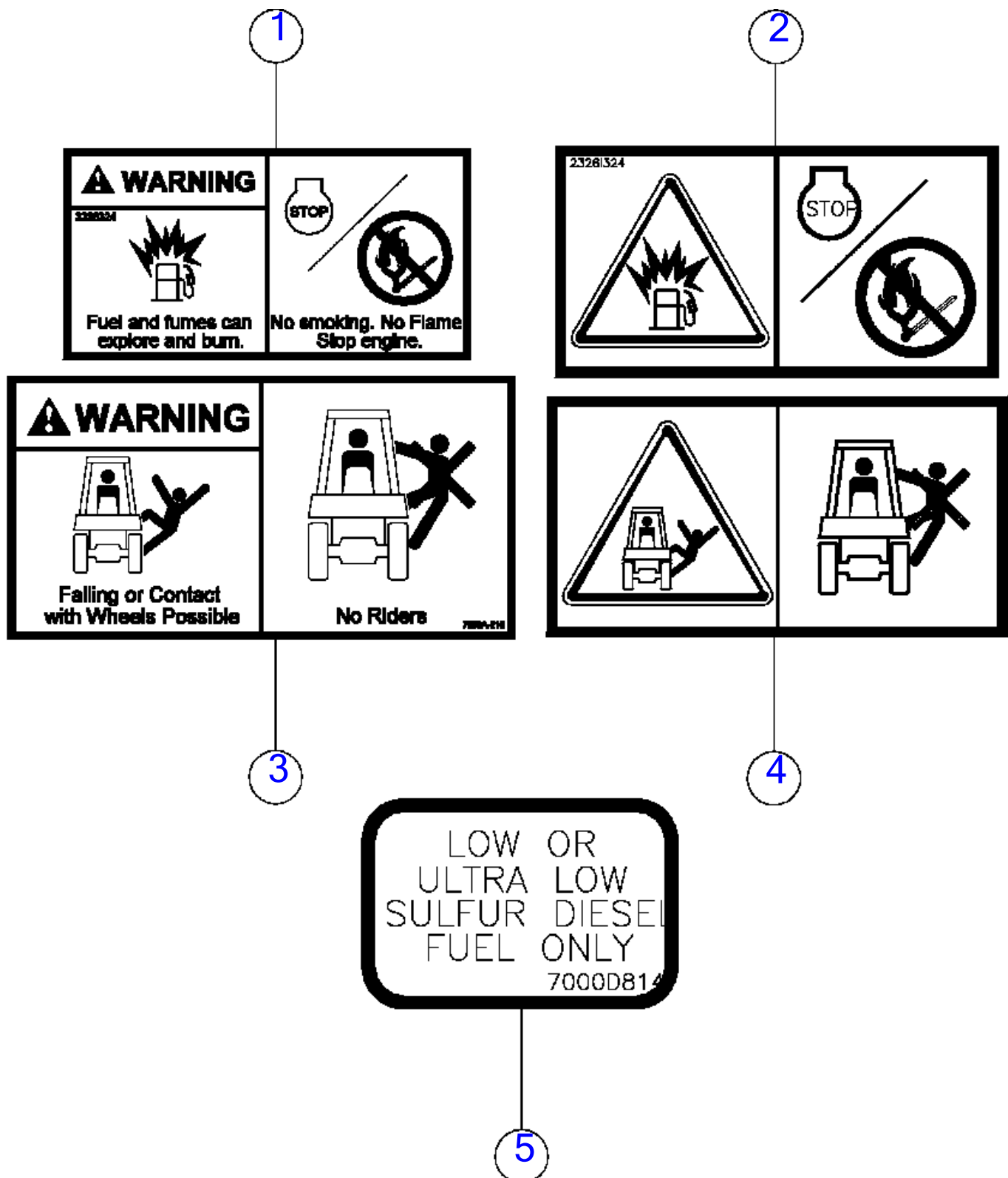


DECAL-WARNING (DOMESTIC/INTERNATIONAL)**Fig 02-07**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000A218	DECAL-WARNING (UND)	1	DOMESTIC
2	700IA218	DECAL - WARNING	1	INTERNATIONAL

DECAL-WARNING (DOMESTIC/INTERNATIONAL)

Fig 02-08



DECAL-WARNING (DOMESTIC/INTERNATIONAL)**Fig 02-08**

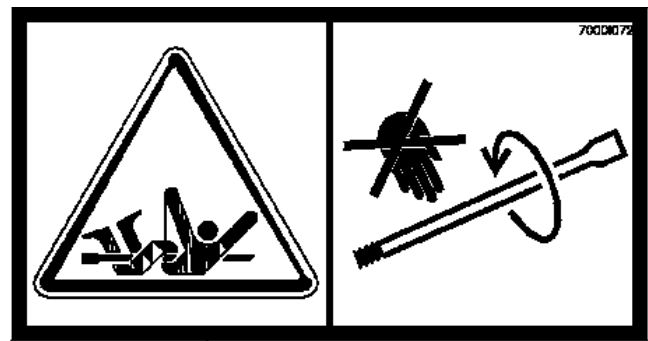
REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	2326324	DECAL-WARNING/REFUEL	1	Domestic
2	2326I324	DECAL - WARNING EXPLOSION	1	International
3	7000A216	DECAL-WARNING (UND)	1	Domestic
4	700IA216	DECAL - WARNING	1	International
5	7000D814	DECAL - DIESEL FUEL SPECIFICATION	1	Added

DECAL-AUX. TOOL/PORTA BORE (DOMESTIC/INTERNATIONAL)

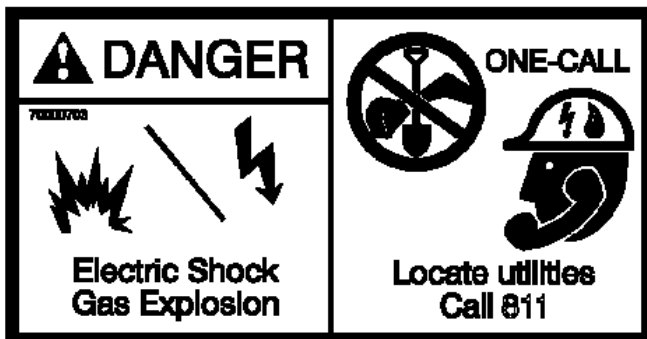
Fig 02-09



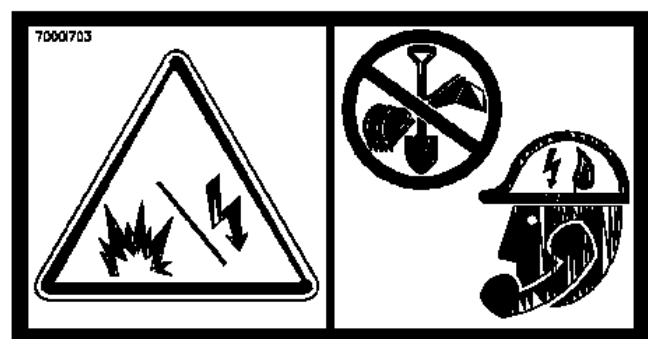
1



2



3



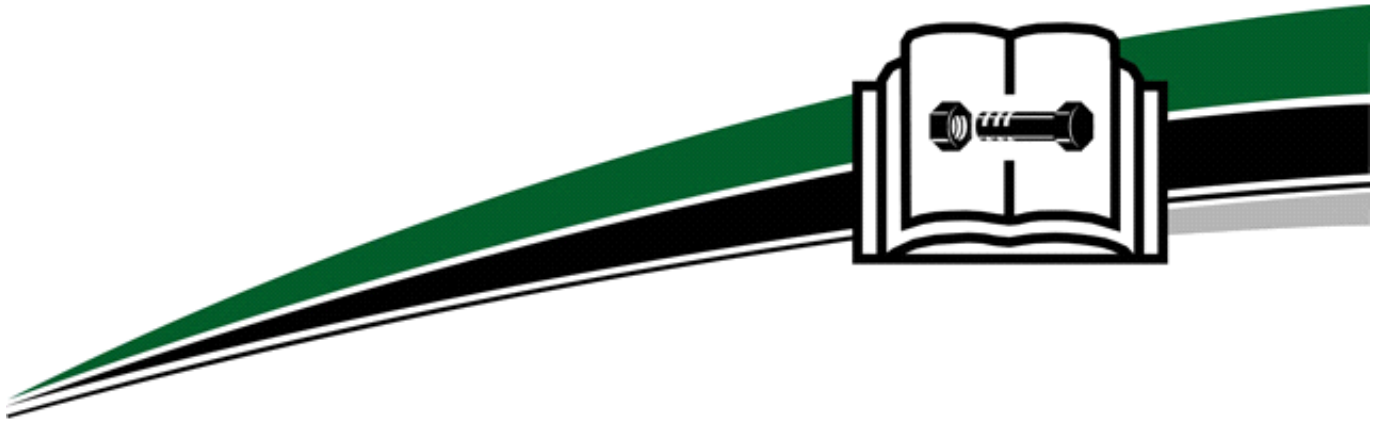
4

DECAL-AUX. TOOL/PORTA BORE (DOMESTIC/INTERNATIONAL)

Fig 02-09

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	70000072	DECAL-DANGER (UND)	A/R	Domestic
2	70001072	DECAL-DANGER	A/R	International
3	70000703	DECAL-DANGER	A/R	Domestic
4	70001703	DECAL-DANGER	A/R	International

FRAME & SHIELDS

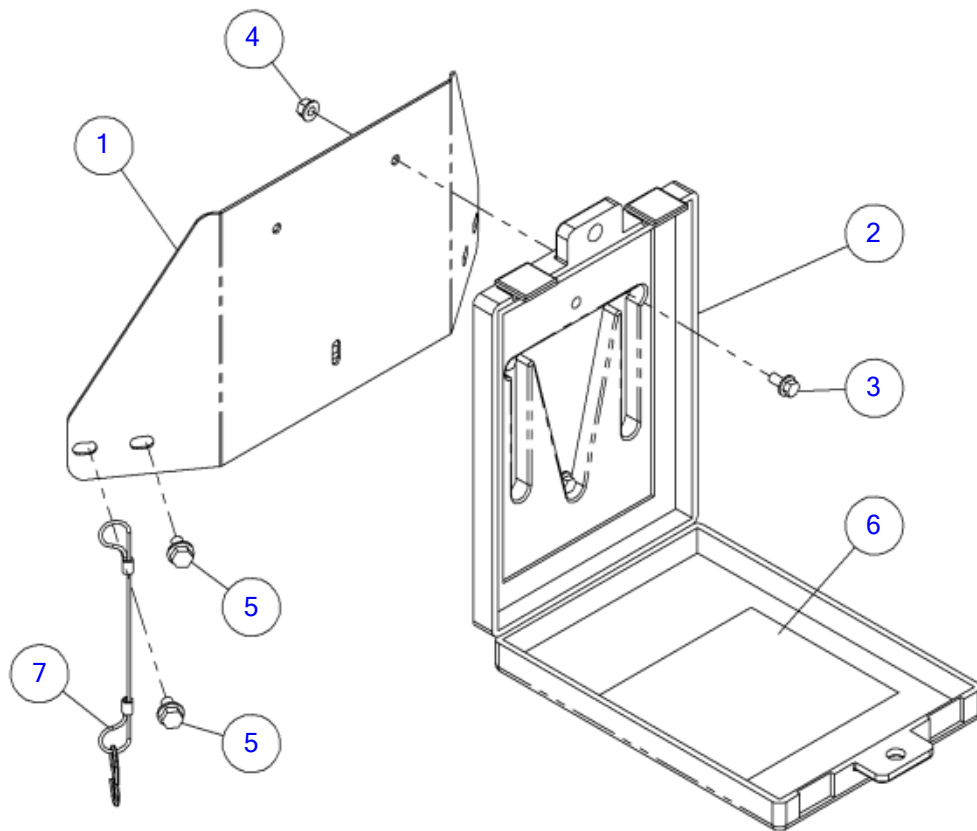


FRAME & SHIELDS

LITERATURE BOX	Fig	03-01
COMPONENTS: SEAT LATCH CABLE	Fig	03-01Z01
ENGINE SHIELD	Fig	03-02
PUMP COVER SHIELD	Fig	03-03
SEAT MOUNT	Fig	03-04
CONTROL VALVE CONSOLE	Fig	03-05
FUEL TANK	Fig	03-06
MAIN FRAME	Fig	03-07
SLOW MOVING VEHICLE SIGN	Fig	03-08
SEAT BELT - 2"	Fig	03-09
SEAT BELT - 3"	Fig	03-10
WHEEL WEIGHT KIT- 50 LBS (DELETED)	Fig	03-11
REAR MOUNT WEIGHT KIT - 300 LBS (DELETED)	Fig	03-12
FRONT TIE DOWN BRACKET	Fig	03-13
CANOPY	Fig	03-14
FRONT WEIGHT KIT (550 LB)	Fig	03-15
FRONT WEIGHT KIT (850 LB)	Fig	03-16

LITERATURE BOX

Fig 03-01

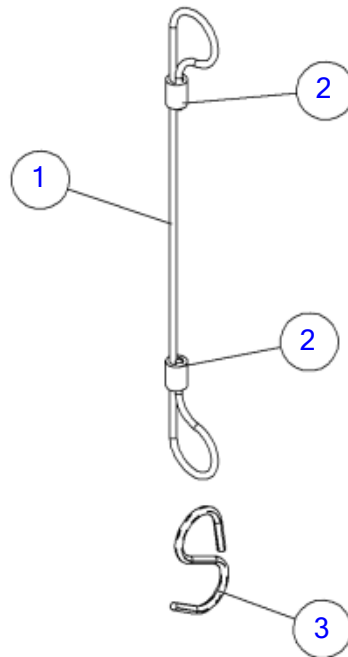


LITERATURE BOX**Fig 03-01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	235683001	MOUNT-MANUAL BOX	1	
2	142410001	CASE-6"X9"X1" OPERATOR MANUAL	1	
3	296300751	SCREW HFS-.25-20X50GR8-Y2	3	
4	296300848	NUT-HEXFLGTL-.25-20-G-YZ	3	
5	296300859	SCREW-HFS-.31-18X.50-GR8-YZ	4	
6	2326940	DECAL-NOTICE TO OWNERS	1	
7	296402066	CABLE ASSY SEAT LATCH	1	Breakdown Fig. 3-1z01
7	(80025001)	CABLE ASSY-SEAT LATCH	1	Breakdown Fig. 3-1z01

COMPONENTS: SEAT LATCH CABLE

Fig 03-01Z01

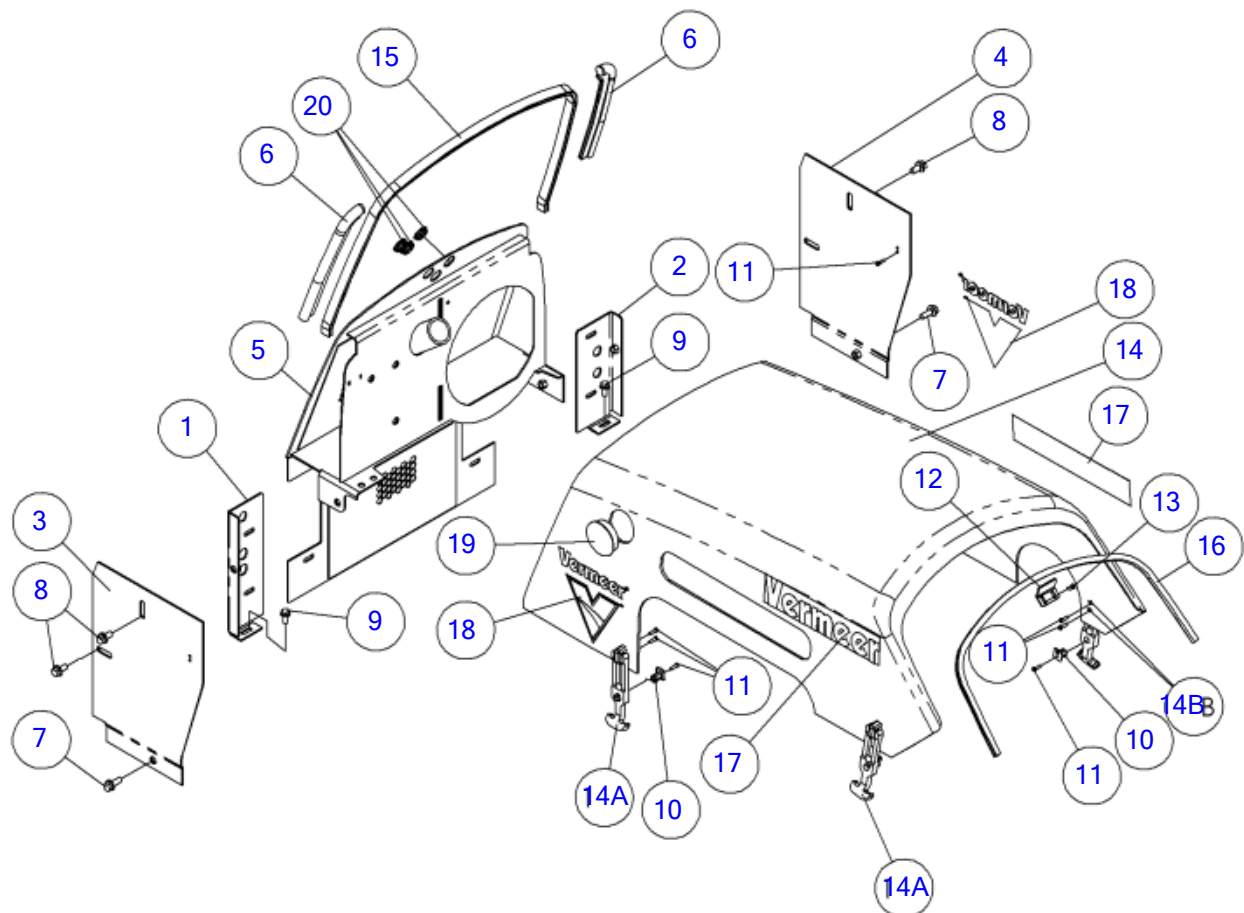


COMPONENTS: SEAT LATCH CABLE**Fig 03-01Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	1830007	CABLE - 3/32" NYLON COATED (FT)	1	
2	1838001	CONNECTOR-WIRE (ETC)	2	
3	76533001	HOOK- 3/16 "S"	1	
	296402066	CABLE ASSY SEAT LATCH	A/R	Includes All Items in Figure.
	(80025001)	CABLE ASSY-SEAT LATCH	A/R	Includes All Items in Figure.

ENGINE SHIELD

Fig 03-02



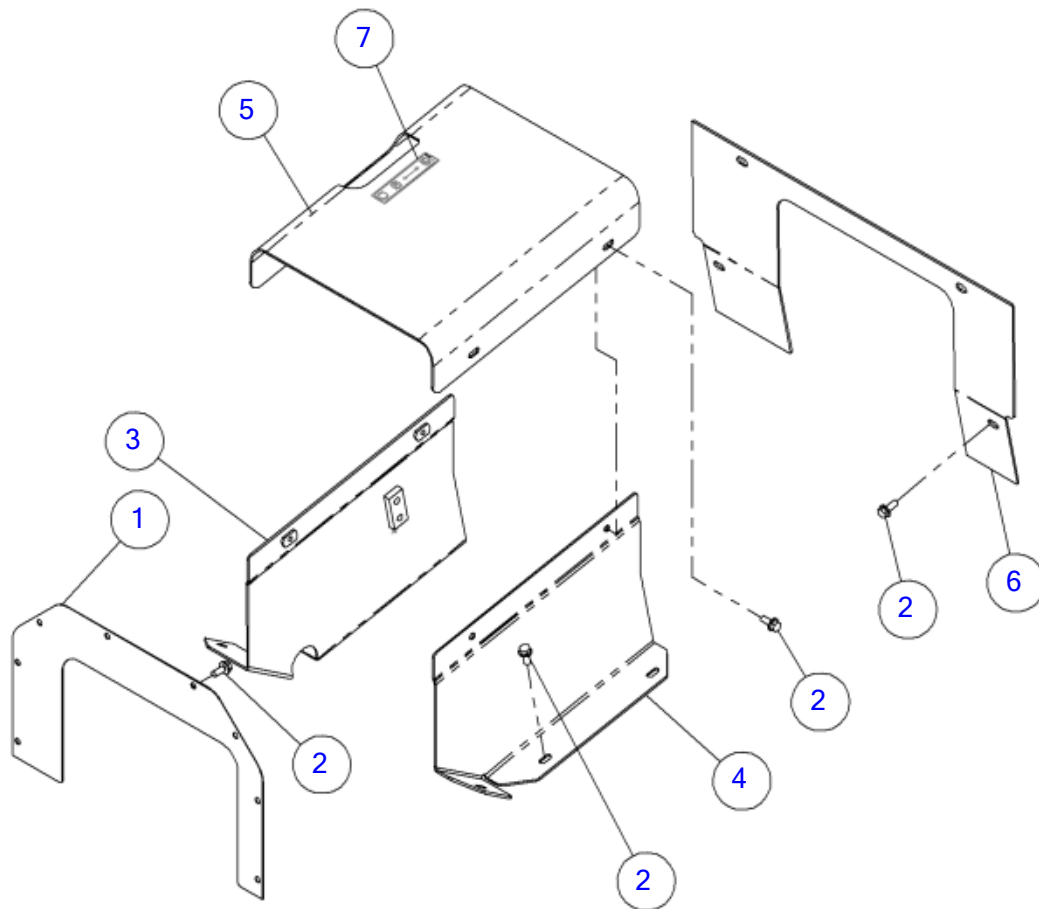
ENGINE SHIELD

Fig 03-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	264153001	MOUNT - OIL COOLER LEFT	1	
2	264154001	MOUNT - OIL COOLER RIGHT	1	
3	264138001	PANEL - SIDE LEFT	1	
4	264139001	PANEL - SIDE RIGHT	1	
5	264127001	SHIELD - RADIATOR / HOOD	1	
6	264147001	SEAL-BULB EDGE 3/4"C X 1/8	A/R	Specify Length
7	296300864	SCREW-HFS-.38-16X1.00-GR8-YZ-PATCH	2	
8	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	4	
9	296300860	SCREW-HFS-.31-18X.75-GR8-YZ-PATCH	2	
10	269544001	KEEPER - DRAW LATCH	4	
11	269545001	SCREW, MOUNTING 15.9MM, 8-16 PHILLIPS	12	
12	265533001	TAB - HOOD MOUNT	1	
13	242655001	SCREW-#10-24X1/2PAN HD PLT PHP	2	
14	269556001	HOOD - FIBERGLASS	1	S/N 601, 602, 604 & UP
14A	269543001	DRAW LATCH ASSEMBLY	4	Included Qty. 8 of Ref. #14B & Ref. #11
14B	510337601	WASHER-FLATSTD-.19-.22X.56-.05-YZ	8	
15	264149001	TRIM-EDGE 3/16" BLK W/AL CLIP	A/R	Specify Length
16	264148001	SEAL-BULB FACE 7MM E X 1/8	A/R	Specify Length
17	2326621	DECAL- VERMEER 2 3/8 X 11 7/8	2	
18	7000D007	DECAL-6.00" COSMETIC V	2	
19	265289001	PLUG - HOLE 2.5 DIA. BLACK	1	
20	233447001	PLUG-1" HOLE (BLACK)	3	

PUMP COVER SHIELD

Fig 03-03



PUMP COVER SHIELD**Fig 03-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	264167001	PLATE - COVER COWLING	1	
2	296300860	SCREW-HFS-.31-18X.75-GR8-YZ-PATCH	18	
3	230201001	COVER-RIGHT HAND PUMP	1	
4	230203001	COVER-LEFT HAND PUMP	1	
5	262818001	COVER - PUMP TOP	1	
6	230206001	PLATE-BACKING	1	
7	700IA064	DECAL-PARK BRAKE	1	

SEAT MOUNT

Fig 03-04

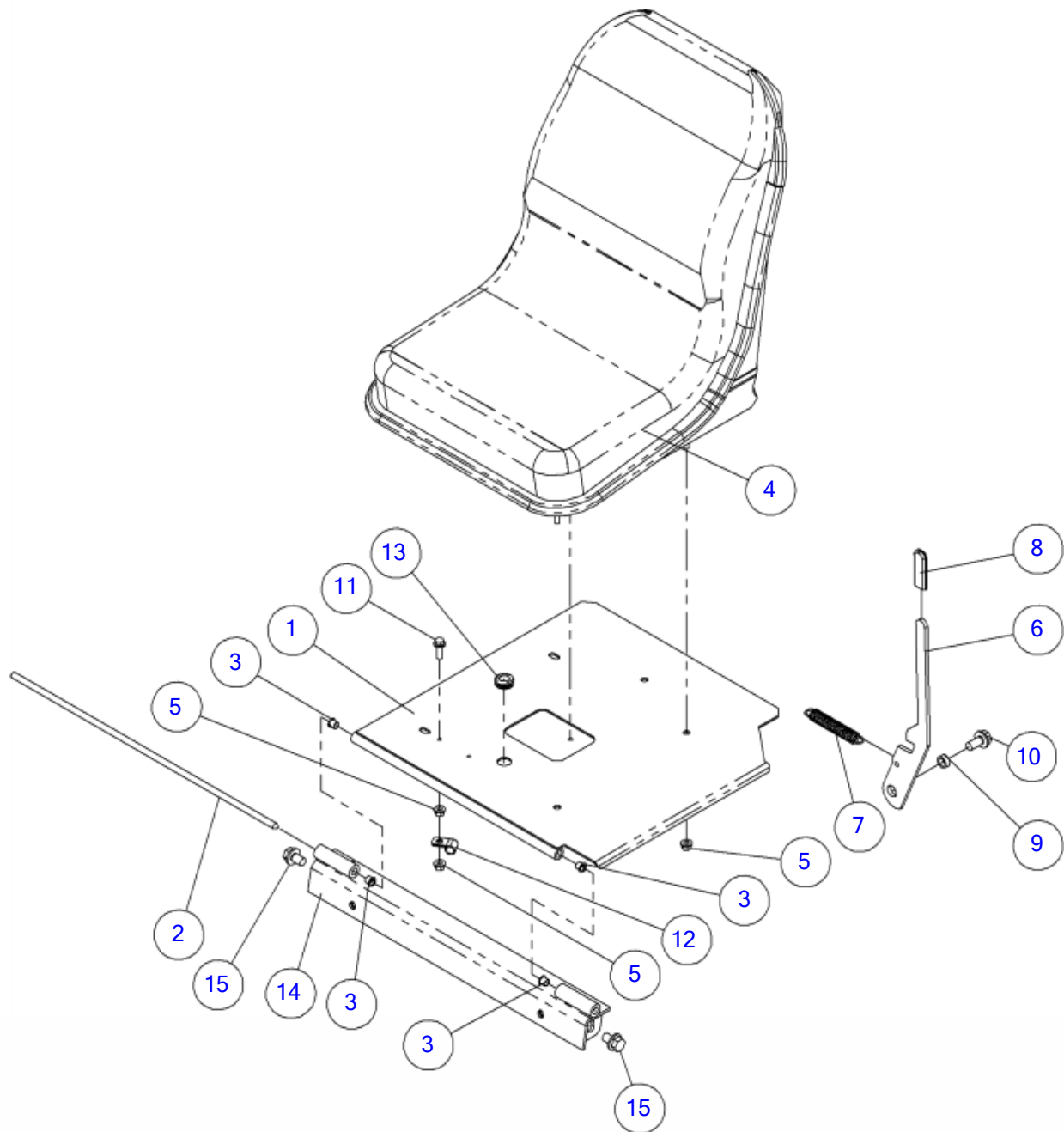


Illustration No. 296297572

SEAT MOUNT

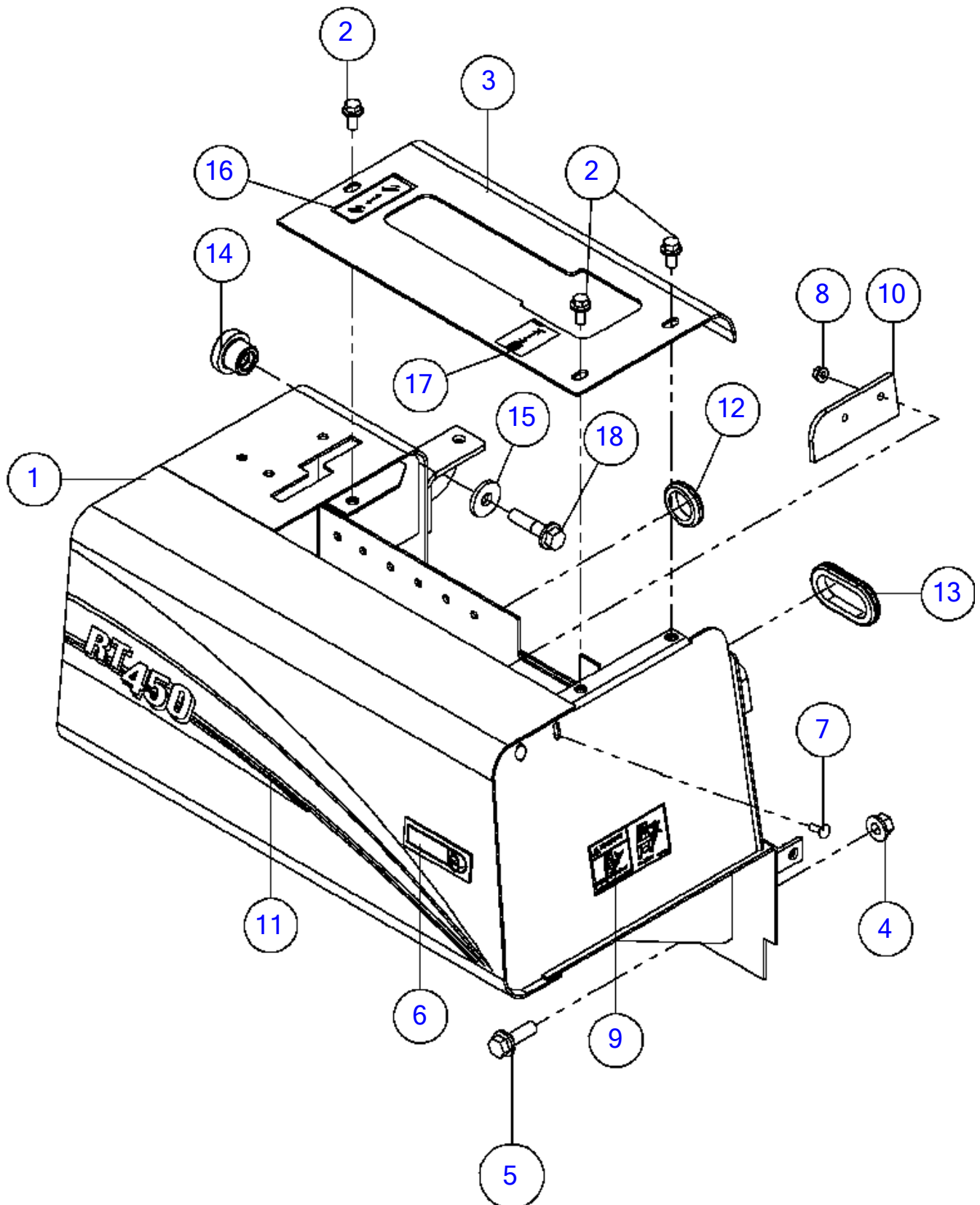
Fig 03-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	230211001	PLATE - SEAT MTG.	1	
2	230210001	ROD-SEAT PIVOT	1	
3	209009	BUSHING-NYLINER 3/8"	4	
4	296274289	SEAT - MILSCO XR210 GRAY	1	
	219186003	SWITCH-SAFETY	1	Included in Ref. 4
	296300751	SCREW HFS-.25-20X50GR8-Y2	2	Included in Ref. 4
5	296300849	NUT-HEXFLGTL-.31-18-G-YZ	6	
6	233870001	LEVER-SEAT PLATE LOCKING	1	
7	1789017	SPRING - EXT. 4 3/4" OA	1	
8	201482001	HANDLE-BLACK PLASTIC 2 1/2"	1	
9	1073019	TUBE - 3/4" OD X 11 GA.- 5/16" REF T10373	1	
10	296300788	SCREW-HFS-.50-13X1.00GR8-YZ	1	
11	296300763	SCREW-HFS-.31-18X1.00-GR8-YZ	1	
12	2595001	HOSE CLAMP - TS7FR 1/2"	1	
13	1865015	GROMMET-BLACK/5/8ID-3/16 GR.	1	
14	210463001	MOUNT-SEAT	1	
15	296300873	SCREW-HFS-.50-13X.75-GR8-YZ	2	

CONTROL VALVE CONSOLE

Fig 03-05

Illustration No. 296303251



CONTROL VALVE CONSOLE

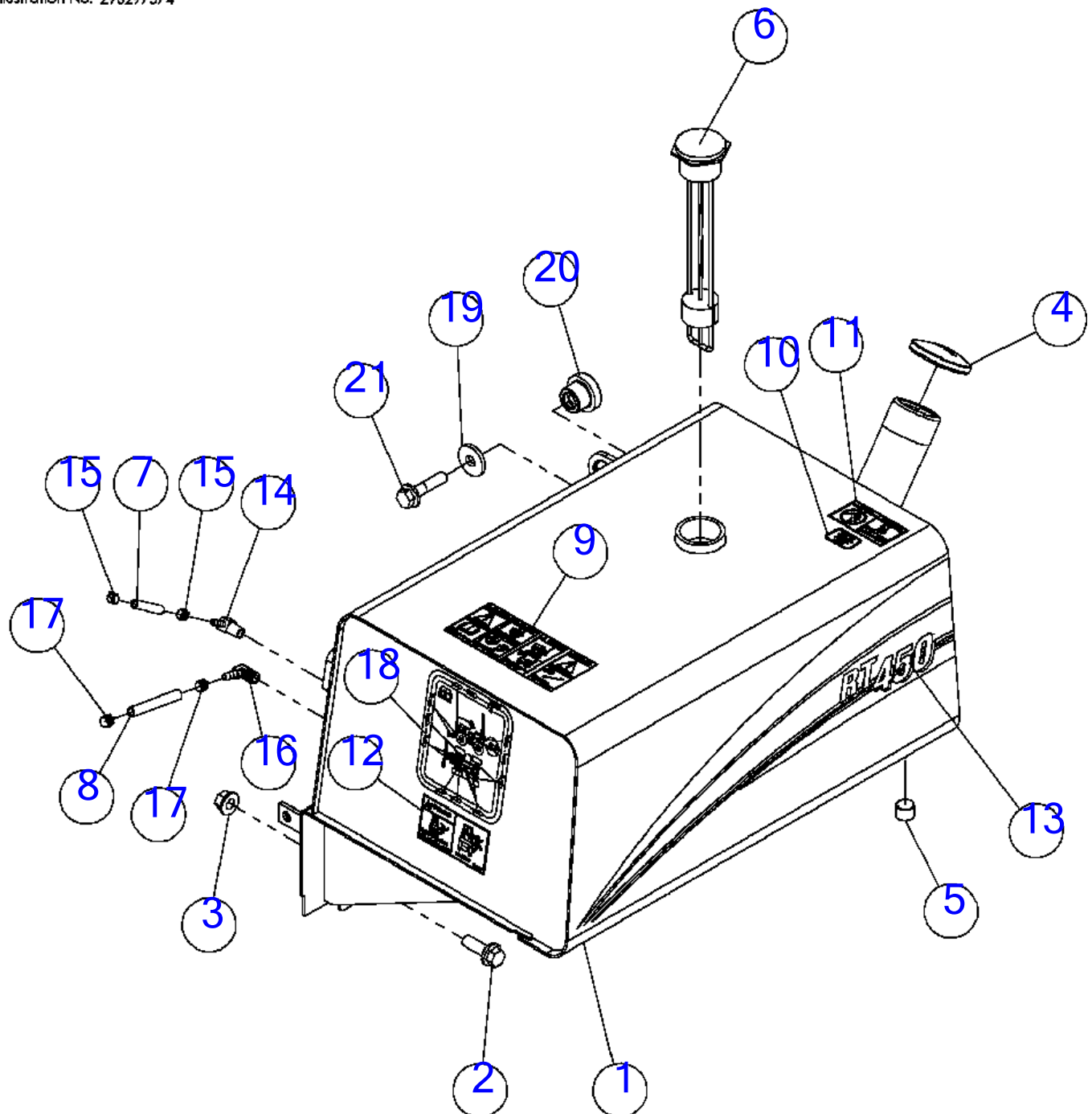
Fig 03-05

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303749	CONSOLE - CONTROLS/BATTERY	1	
2	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	3	
3	269591001	COVER - VALVE BANK	1	
4	296300851	NUT-HEXFLGTL-.50-13-G-YZ	2	
5	296300790	SCREW-HFS-.50-13X1.50-GR8-YZ	2	
6	218080001	LATCH-ADJ.LEVER W/RAISED BUTTN(INC KEYS)	1	
6	97874003	KEYS	1	(Pair)
7	373006	1/4"-20X3/4"GD#5CARRIAGE BOLT	2	
8	296300848	NUT-HEXFLGTL-.25-20-G-YZ	2	
9	7000A216	DECAL-WARNING (UND)	1	Domestic
9	700IA216	DECAL - WARNING	1	International
10	210494001	BAR-WEAR (POLY)	1	
11	7000D146	DECAL - RT450 RIGHT SIDE STRIPE	1	
12	224616001	GROMMET-1 1/4 ID X 1/8 GROOVE	1	
13	1865047	GROMMET-2.13IDX2.88OD-1/8GRV.	1	
14	280925001	MOUNT - RUBBER BC-1121-2	1	
14	(296303524)	ISOLATOR MOUNT	1	
15	510360637	WASHER-FLATSTRL-.50-.53X1.50-.19-YZ	1	
16	7000I757	DECAL-TRENCHER DRIVE	1	
17	7000C076	DECAL - BLADE SWING	1	
18	296300792	SCREW-HFS-.50-13X2.00-GR8-YZ	1	

FUEL TANK

Fig 03-06

Illustration No. 296297574



FUEL TANK

Fig 03-06

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303523	TANK - FUEL	1	
2	296300790	SCREW-HFS-.50-13X1.50-GR8-YZ	2	
3	296300851	NUT-HEXFLGTL-.50-13-G-YZ	2	
4	63769001	FUEL CAP AA0-3942(DIESEL ONLY)	1	
5	735003	PLUG-1/2 COUNTERSUNK PIPE	1	
6	102016001	GAUGE-FUEL 9.5 SPIRAL	1	
7	619001	HOSE-1/4 I.D.GASOLINE&DIESEL	1	Order Qty Per Foot
8	620001	HOSE - 5/16 FUEL LINE	1	Order Qty Per Foot
9	7000A218	DECAL-WARNING (UND)	1	Domestic
9	700IA218	DECAL - WARNING	1	International
10	7000D814	DECAL - DIESEL FUEL SPECIFICATION	1	
11	2326324	DECAL-WARNING/REFUEL	1	Domestic
11	2326I324	DECAL - WARNING EXPLOSION	1	International
12	7000A216	DECAL-WARNING (UND)	1	Domestic
12	700IA216	DECAL - WARNING	1	International
13	7000D147	DECAL - RT450 LEFT SIDE STRIPE	1	
14	608118001	FITTING-1/4NPTX1/4HOSE BARB90	1	
15	242698001	CLAMP-1/4" ID	2	
16	602037001	FITTING -1/4 PIPE 5/16 BARB 90	1	
17	242699001	CLAMP-5/16" ID	2	
18	700ID962	DECAL-LUBE CHART	1	
19	510360637	WASHER-FLATSTRL-.50-.53X1.50-.19-YZ	1	
20	280925001	MOUNT - RUBBER BC-1121-2	1	
20	(296303524)	ISOLATOR MOUNT	1	
21	296300792	SCREW-HFS-.50-13X2.00-GR8-YZ	1	

MAIN FRAME

Fig 03-07

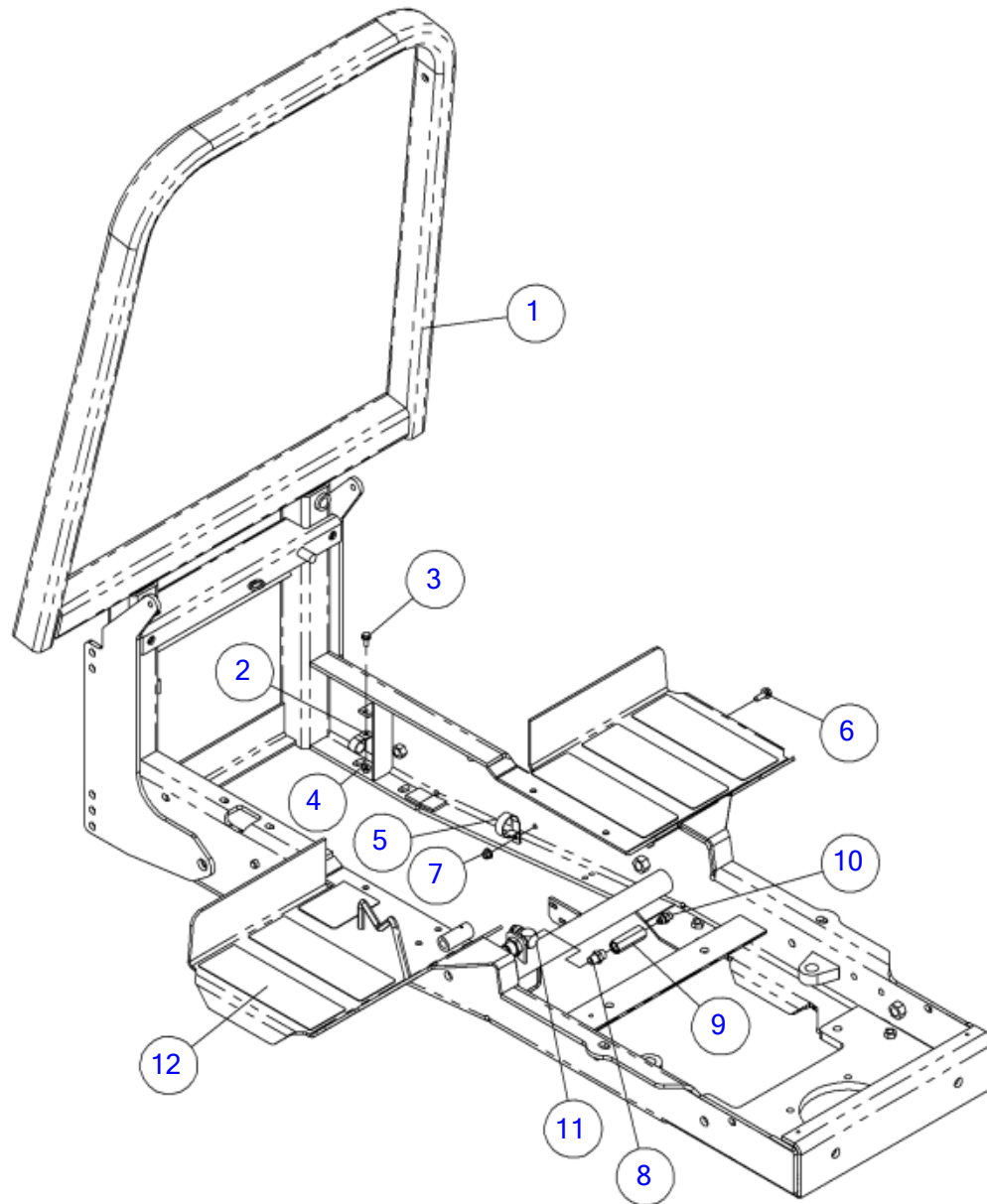


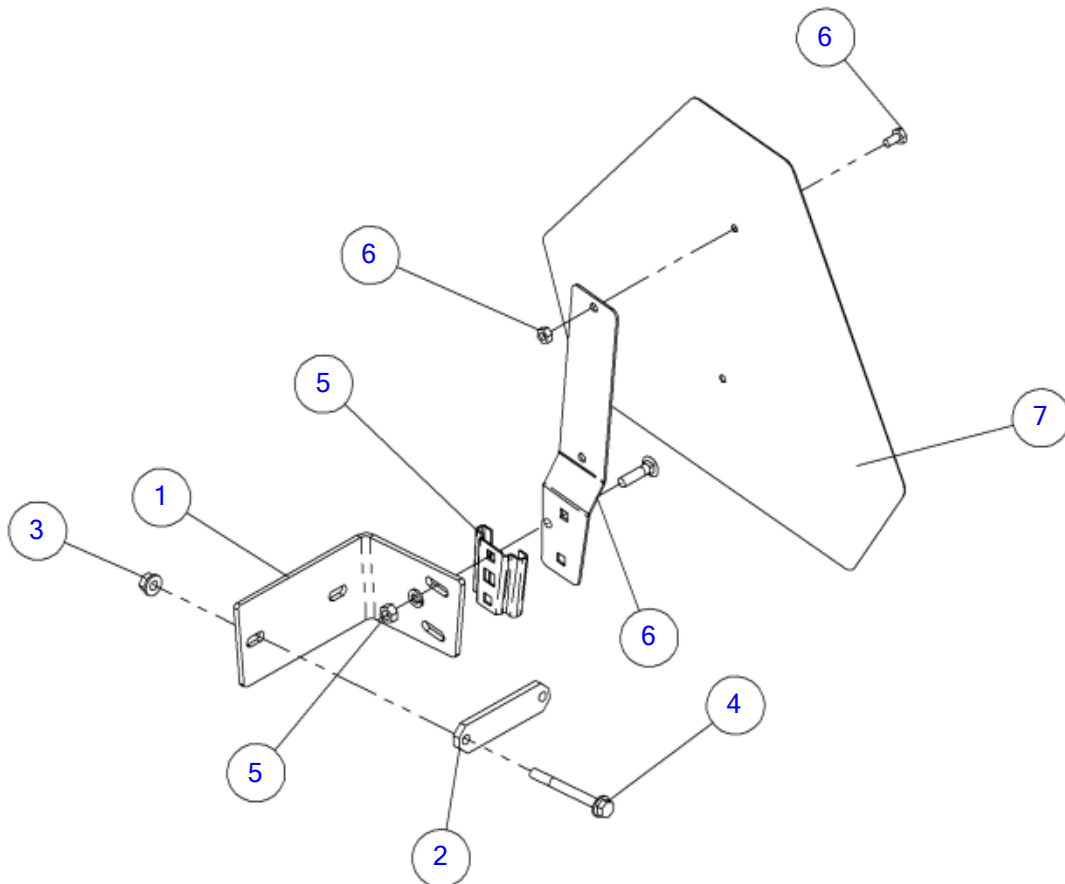
Illustration No. 296297575

MAIN FRAME**Fig 03-07**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	264117001	FRAME - MAIN	1	
2	2595009	CLAMP-1 1/4 HOSE #7701164	1	
3	296300762	SCREW-HFS-.31-18X.75-GR8-YZ	1	
4	296300849	NUT-HEXFLGTL-.31-18-G-YZ	1	
5	204721001	HOSE CLAMP-CCV2913 1 3/4"	1	
6	296300772	SCREW-HFS-...38-16X1.00-GR8-YZ	1	
7	296300850	NUT-HEXFLGTL-.38-16-G-YZ	1	
8	60048001	FITTING-8M X 3/8 STR. ADAPTER	1	
9	216330001	*CHECK VALVE ASSY	1	Breakdown Figure 5-11
10	65565001	FITTING - 6M O-RING X 6M JIC ST.	1	
11	230712001	FITTING - MODIFIED #12 BULKHEAD	1	
12	252477001	KIT-ANTI SKID PADS (RT450)	1	

SLOW MOVING VEHICLE SIGN

Fig 03-08

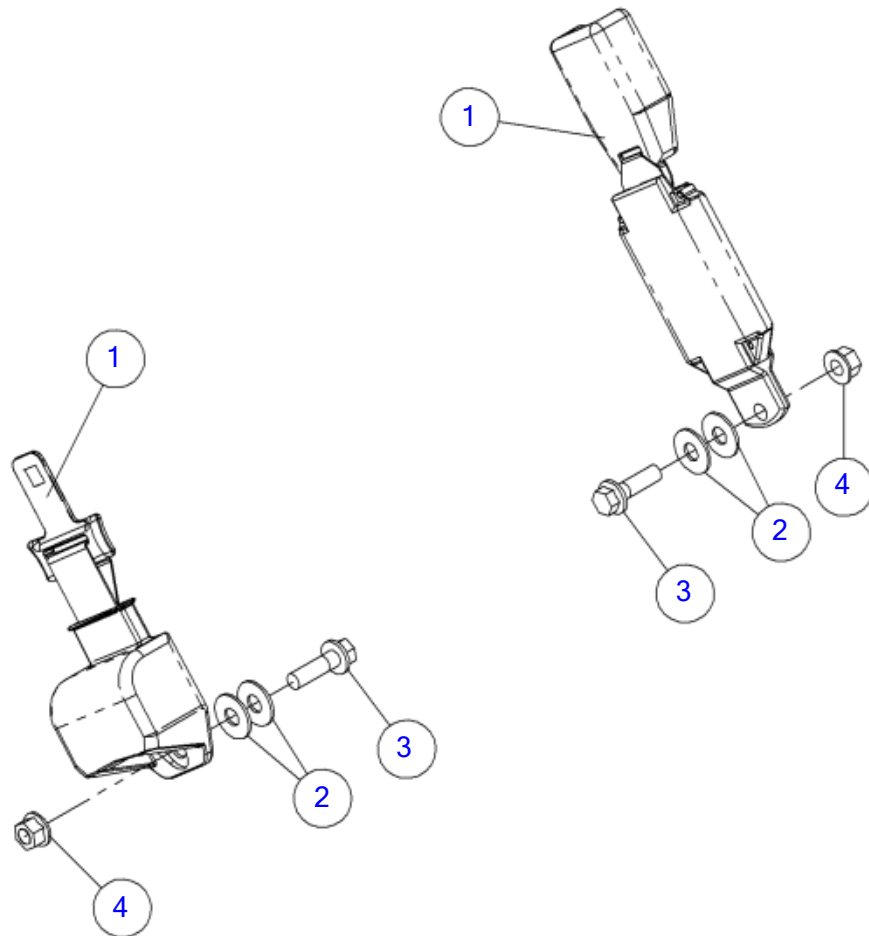


SLOW MOVING VEHICLE SIGN**Fig 03-08**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	267219001	MOUNT - SMV	1	
2	242617001	BAR - LIGHT MTG.	1	
3	296300849	NUT-HEXFLGTL-.31-18-G-YZ	2	
4	296300770	SCREW-HFS-.31-18X3.00-GR8-YZ	2	
5	15408001	MOUNT-SMV SLIDE	1	
6	15409001	BRACKET-SMV MOUNTING	1	
7	1836001	SIGN-#2 SMV PRE-PUNCHED METAL	1	

SEAT BELT - 2"

Fig 03-09

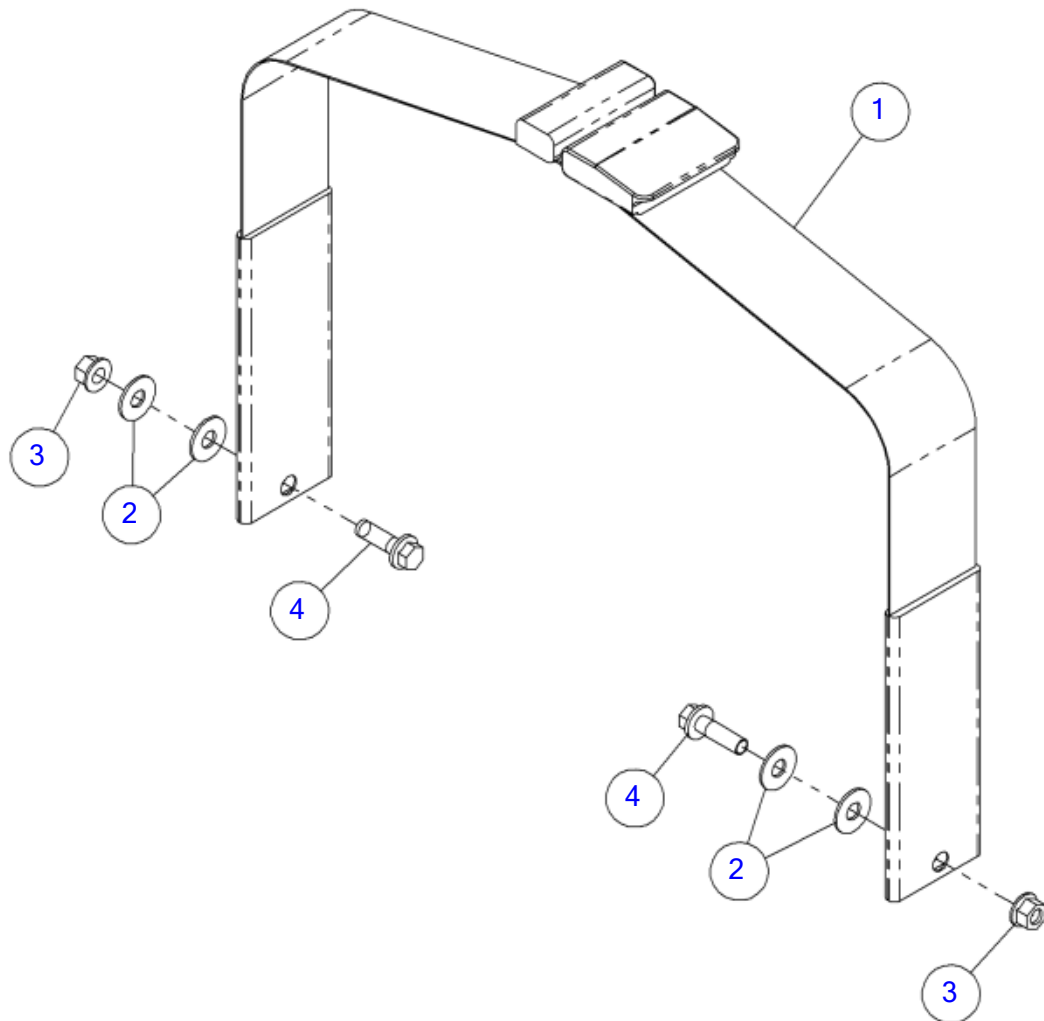


SEAT BELT - 2"**Fig 03-09**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	203254001	2"SEAT BELT F08015	1	
2	510337609	WASHER-FLATSTD-.44-.50X1.25-.08-YZ	4	
3	296300782	SCREW-HFS-.44-14X1.50-GR8- YZ	2	
4	296300883	NUT-HEXFLGTL-.44-14-G-YZ	2	

SEAT BELT - 3"

Fig 03-10



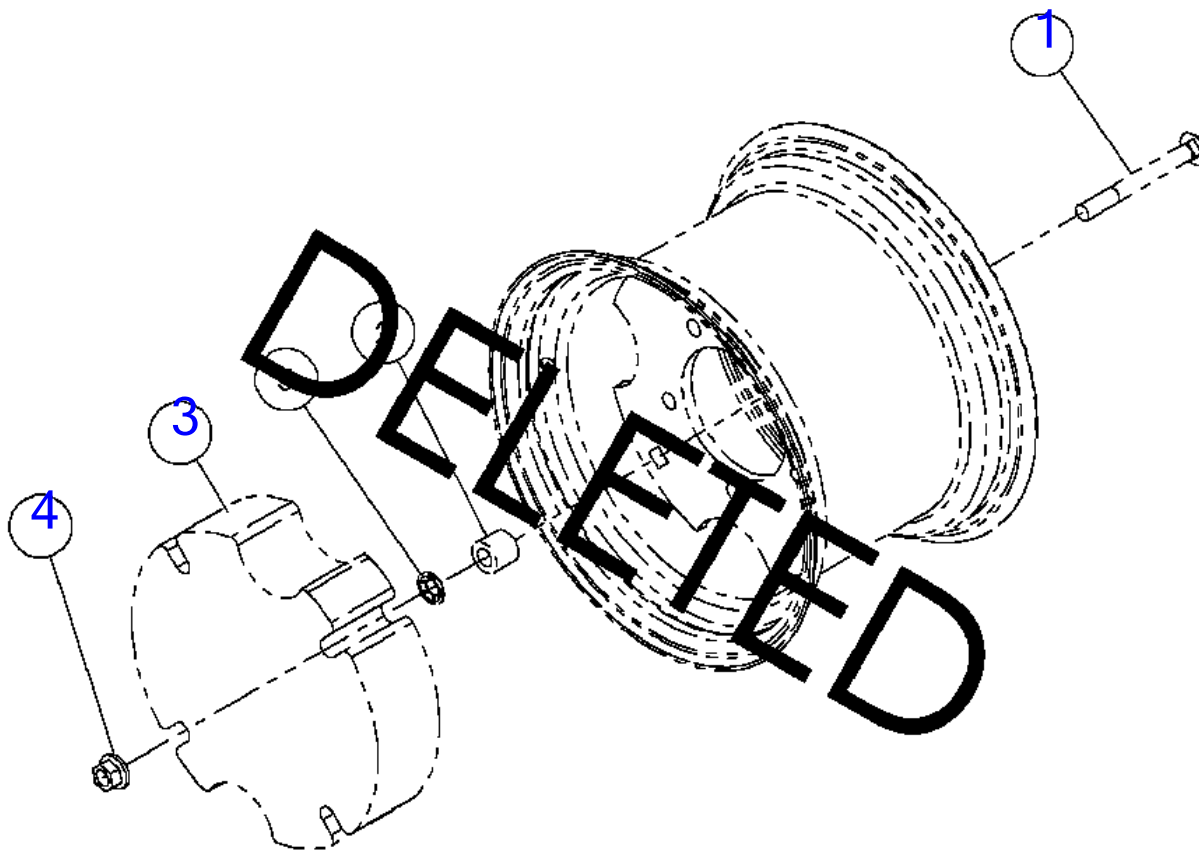
SEAT BELT - 3"**Fig 03-10**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	62492001	SEAT BELT-3"	1	
2	510337609	WASHER-FLATSTD-.44-.50X1.25-.08-YZ	4	
3	296300883	NUT-HEXFLGTL-.44-14-G-YZ	2	
4	296300782	SCREW-HFS-.44-14X1.50-GR8- YZ	2	

WHEEL WEIGHT KIT- 50 LBS (DELETED)

Fig 03-11

Illustration No. 252365001



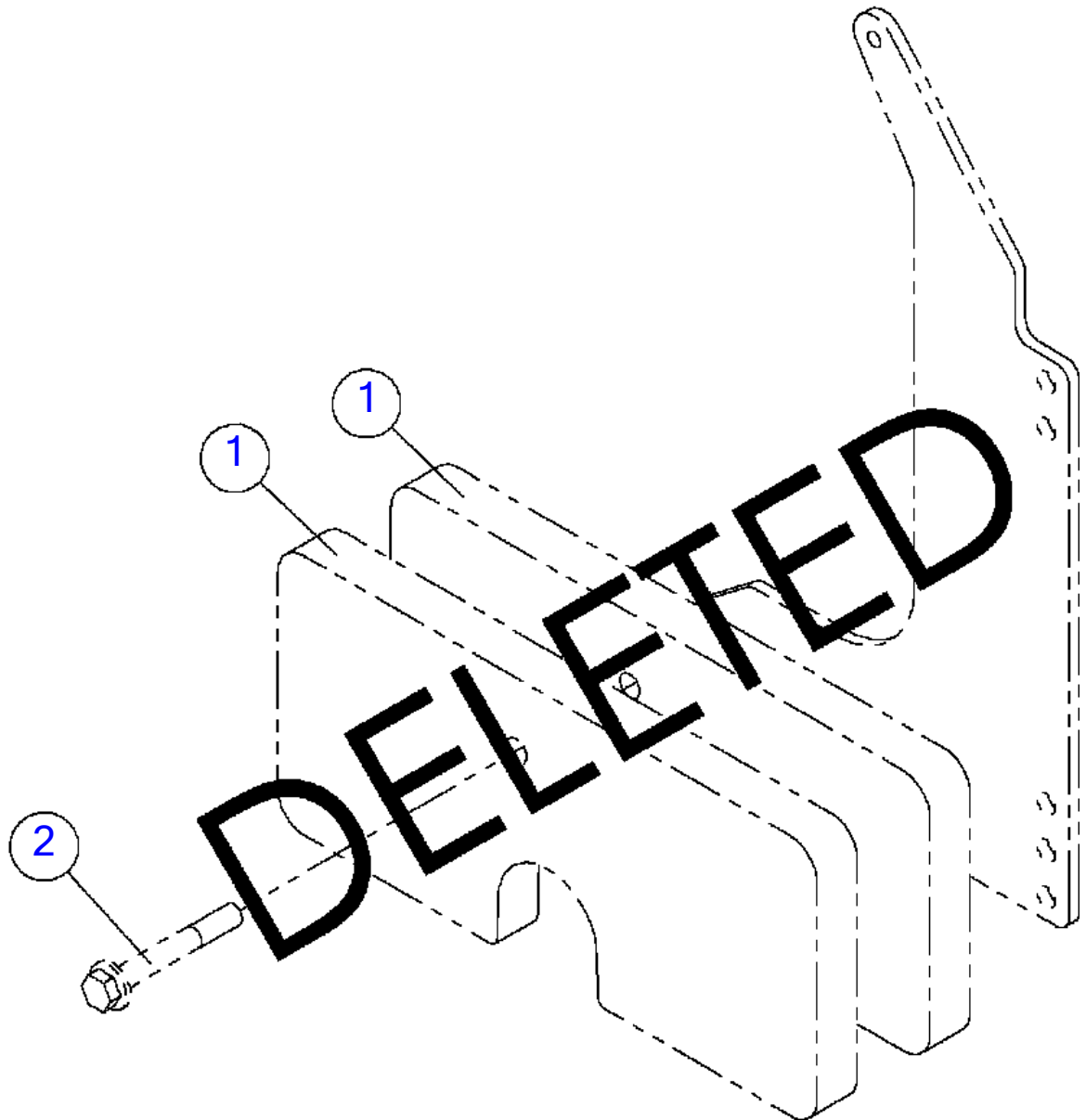
WHEEL WEIGHT KIT- 50 LBS (DELETED)

Fig 03-11

REAR MOUNT WEIGHT KIT - 300 LBS (DELETED)

Fig 03-12

Illustration No. 265271001

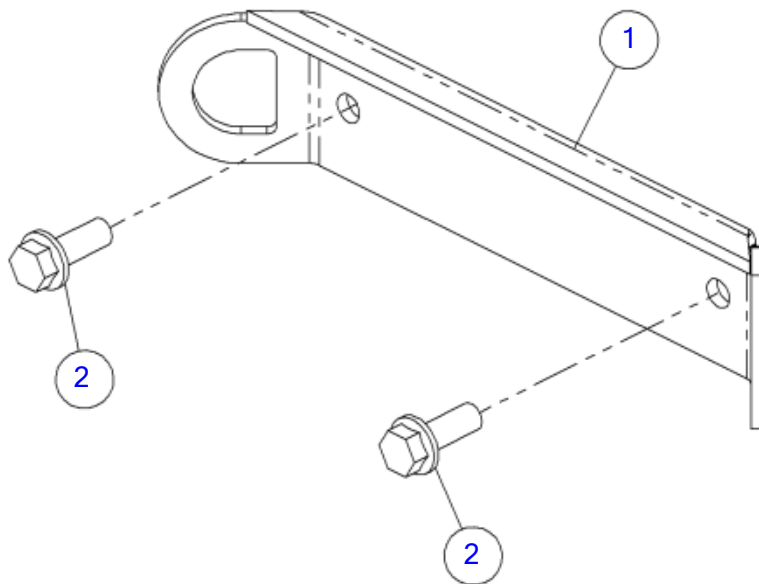


REAR MOUNT WEIGHT KIT - 300 LBS (DELETED)

Fig 03-12

FRONT TIE DOWN BRACKET

Fig 03-13

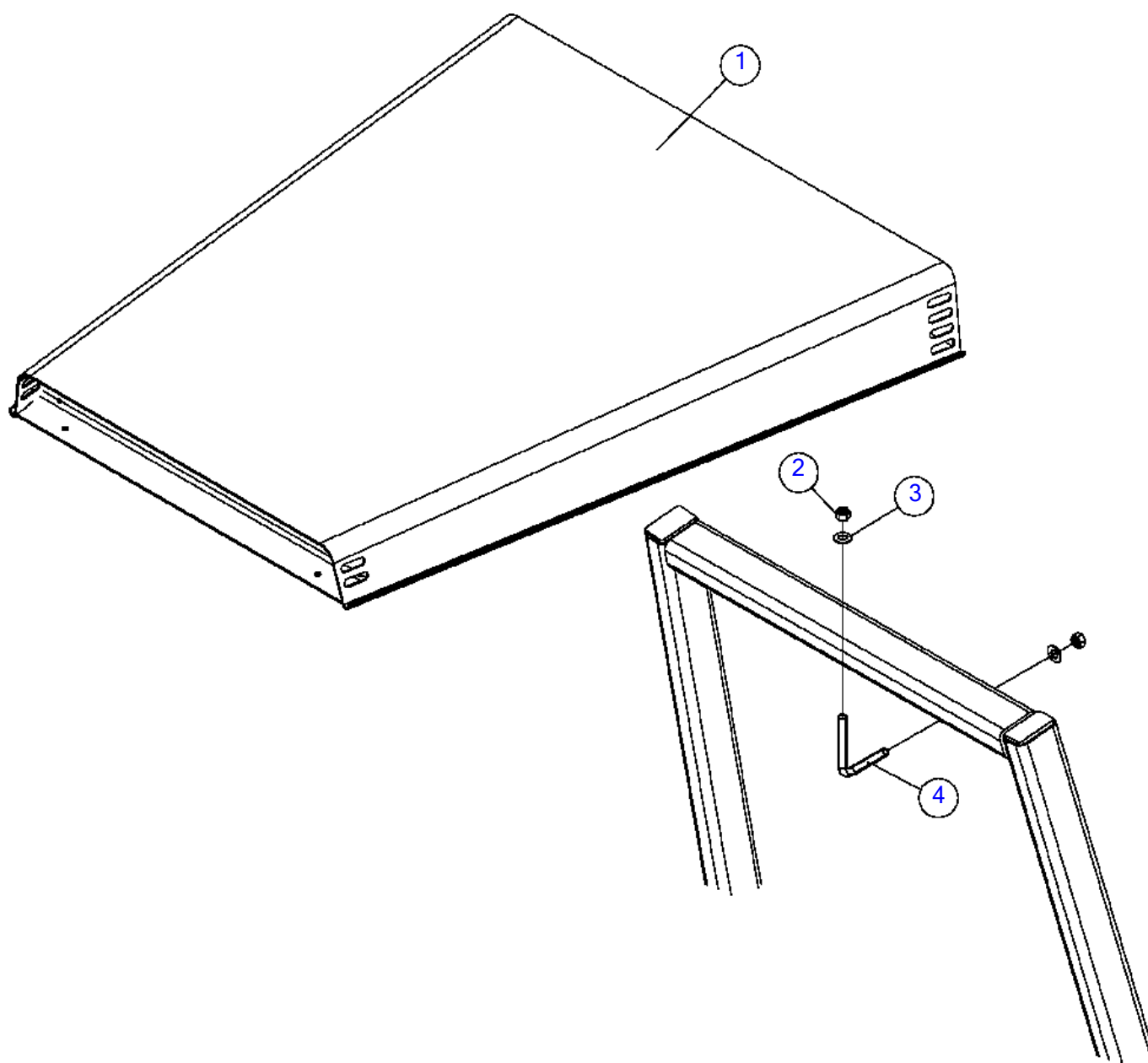


FRONT TIE DOWN BRACKET**Fig 03-13**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	242663001	BRACKET-FRONT TIE DOWN	1	
2	296300817	SCREW-HFS-.75-10X2.00-GR8-YZ	2	

CANOPY

Fig 03-14



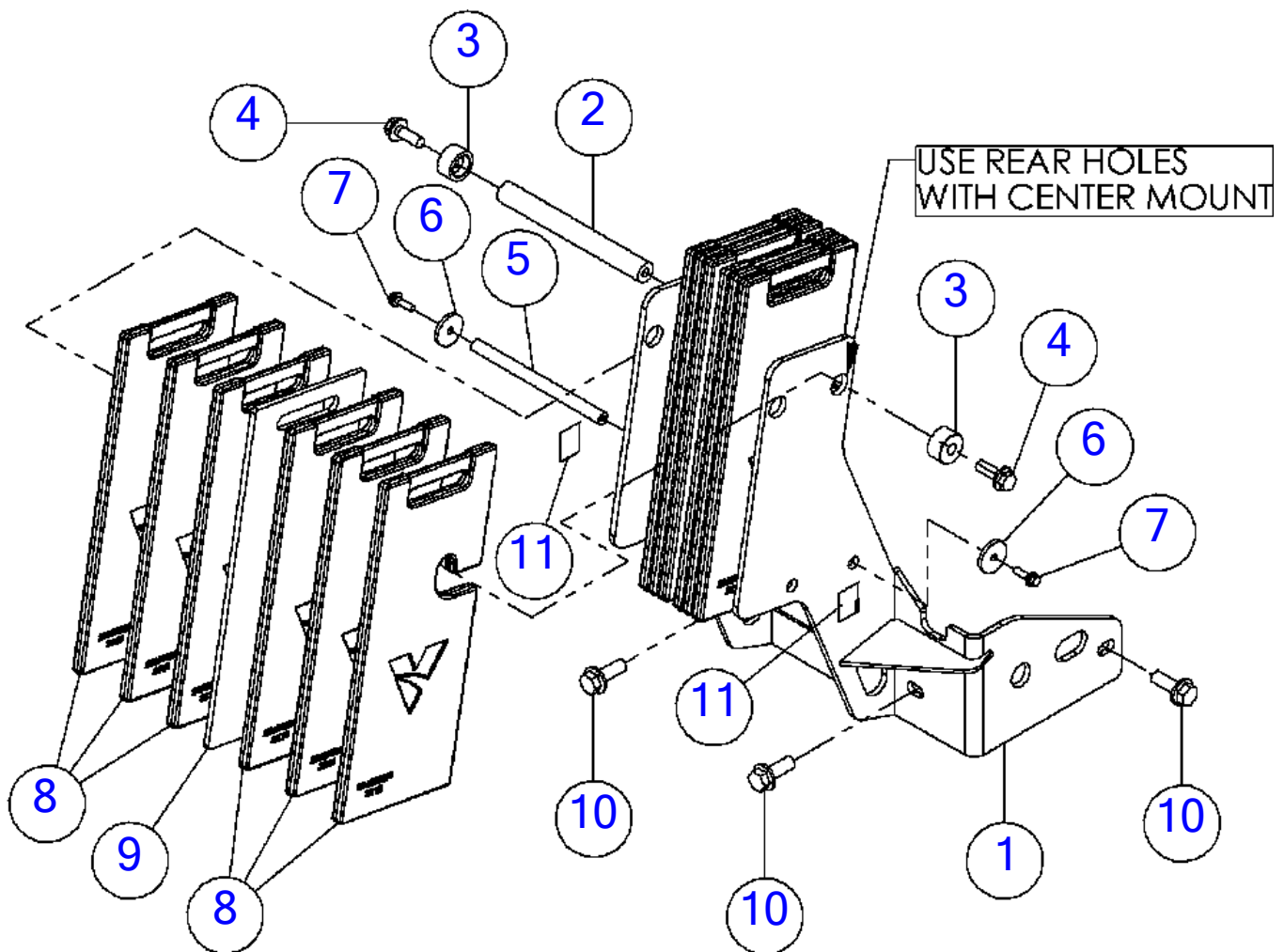
CANOPY**Fig 03-14**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	260885001	CANOPY - 3550A 2-POST	1	
2	510317501	NUT-TLHEX-.50-13-B-YZ	6	
3	510337611	WASHER - FLATSTD - .50-.56X1.38-.11-YZ	6	
4	260890001	BOLT - CANOPY "L"	3	
	265485001	CANOPY ASS'Y (2 POST ROPS) W/O LIGHTS	A/R	Includes All Items in Figure.

FRONT WEIGHT KIT (550 LB)

Fig 03-15

Illustration No. 296329328



FRONT WEIGHT KIT (550 LB)

Fig 03-15

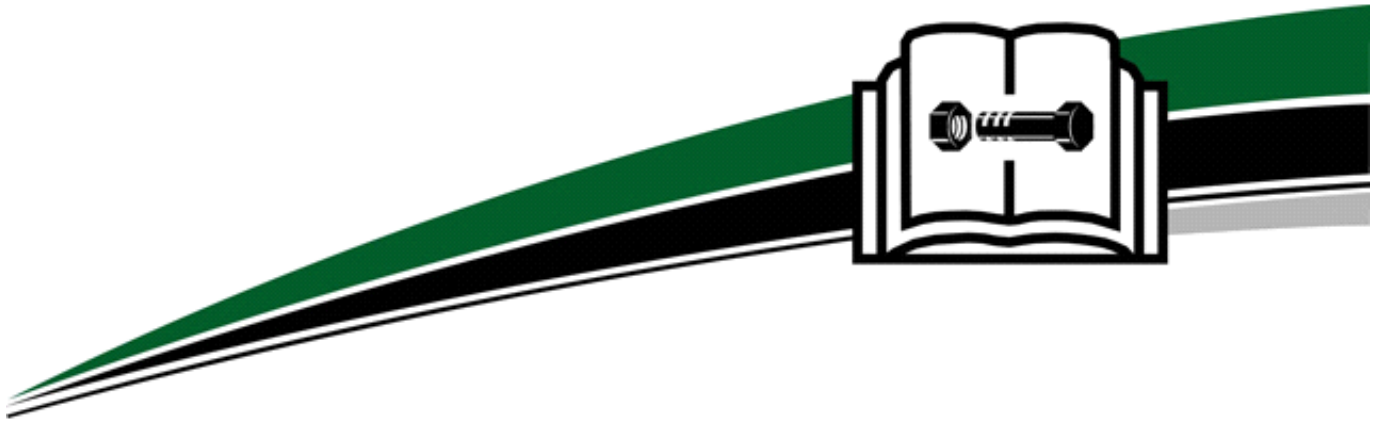
REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	225826001	MOUNT-FRONT COUNTER WEIGHT	1	
2	218886001	ROD-WEIGHT MOUNT	1	
3	82502001	CAP-ROD	2	
4	296300801	SCREW-HFS-.63-11X1.75-GR8-YZ	2	
5	243968001	ROD-WEIGHT SUPPORT	1	
6	18150001	SLUG-2 DIA.-1/4"	2	
7	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
8	296290291	WEIGHT - 35 LB	12	
9	296329326	SPACER WEIGHT - .375" 20#	1	
10	296300817	SCREW-HFS-.75-10X2.00-GR8-YZ	4	
11	70001834	DECAL - TIE DOWN POINT	2	

FRONT WEIGHT KIT (850 LB)

Fig 03-16

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	225826001	MOUNT-FRONT COUNTER WEIGHT	1	
2	296351249	ROD - WEIGHT MOUNT	1	
2	(225808001)	ROD-WEIGHT MOUNT	1	
3	82502001	CAP-ROD	2	
4	296300801	SCREW-HFS-.63-11X1.75-GR8-YZ	2	
5	243969001	ROD-WEIGHT SUPPORT	1	
6	18150001	SLUG-2 DIA.-1/4"	2	
7	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
8	296290291	WEIGHT - 35 LB	20	
9	296300817	SCREW-HFS-.75-10X2.00-GR8-YZ	4	
10	70001834	DECAL - TIE DOWN POINT	2	
11	296329326	SPACER WEIGHT - .375" 20#	1	

DRIVE ASSEMBLIES



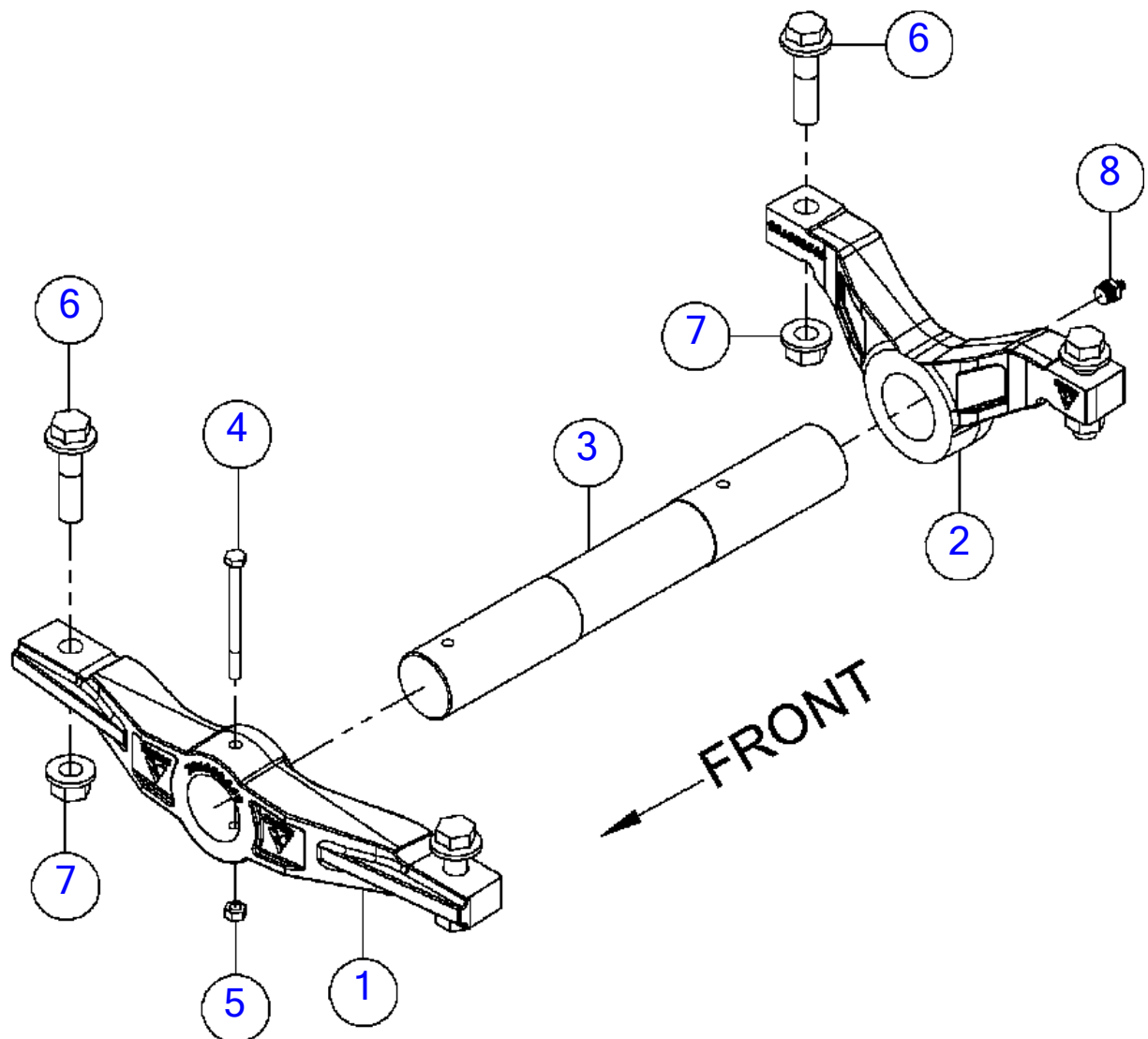
DRIVE ASSEMBLIES

AXLE MOUNT FRONT STEERABLE	Fig	04-01
AXLE MOUNTING REAR	Fig	04-02
AXLE DRIVE SHAFT PLANETARY	Fig	04-03
COMPONENTS-AXLE DRIVE SHAFT PLANETARY	Fig	04-03Z01
AXLE FRONT STEERABLE	Fig	04-04
COMPONENTS: AXLE FRONT STEERABLE	Fig	04-04Z01
COMPONENTS: PINION FRONT STEERABLE	Fig	04-04Z02
COMPONENTS: KNUCKLE FRONT STEERABLE	Fig	04-04Z03
OSCILLATION STOP FRONT STEERABLE	Fig	04-05
AXLE RIGID REAR	Fig	04-06
COMPONENTS: AXLE RIGID REAR	Fig	04-06Z01
COMPONENTS: PINION RIGID REAR	Fig	04-06Z02
COMPONENTS: WHEEL HUB RIGID REAR	Fig	04-06Z03
AXLE REAR STEERABLE	Fig	04-07
COMPONENTS: AXLE REAR STEERABLE	Fig	04-07Z01
COMPONENTS: PINION REAR STEERABLE	Fig	04-07Z02
COMPONENTS: KNUCKLE REAR STEERABLE	Fig	04-07Z03
COMPONENTS: GROUND DRIVE MOTOR	Fig	04-07Z04
26 X 12 - 12 WHEEL	Fig	04-08
26 X 12 - 12 WHEEL (SUPERGRIP) / PLANETARY	Fig	04-09
26 X 12 - 12 WHEEL WITH TUBE / PLANETARY AXLE	Fig	04-10
26 X 12 - 12 WHEEL WITH TUBE & FLUID / PLANETARY AXLE (DELETED)	Fig	04-11
26 X 12 - 12 WHEEL (SUPERGRIP) W/ TUBE / PLANETARY	Fig	04-12
26 X 12 - 12 WHEEL (SUPERGRIP) W/ TUBE & FLUID / PLANETARY (DELETED)	Fig	04-13
KIT WHEEL WEIGHT (50 LBS. PER WHEEL)	Fig	04-14
REAR MOUNT 300 LBS. WEIGHT KIT / PLANETARY AXLE (DELETED)	Fig	04-15

AXLE MOUNT FRONT STEERABLE

Fig 04-01

Illustration No. 296303649



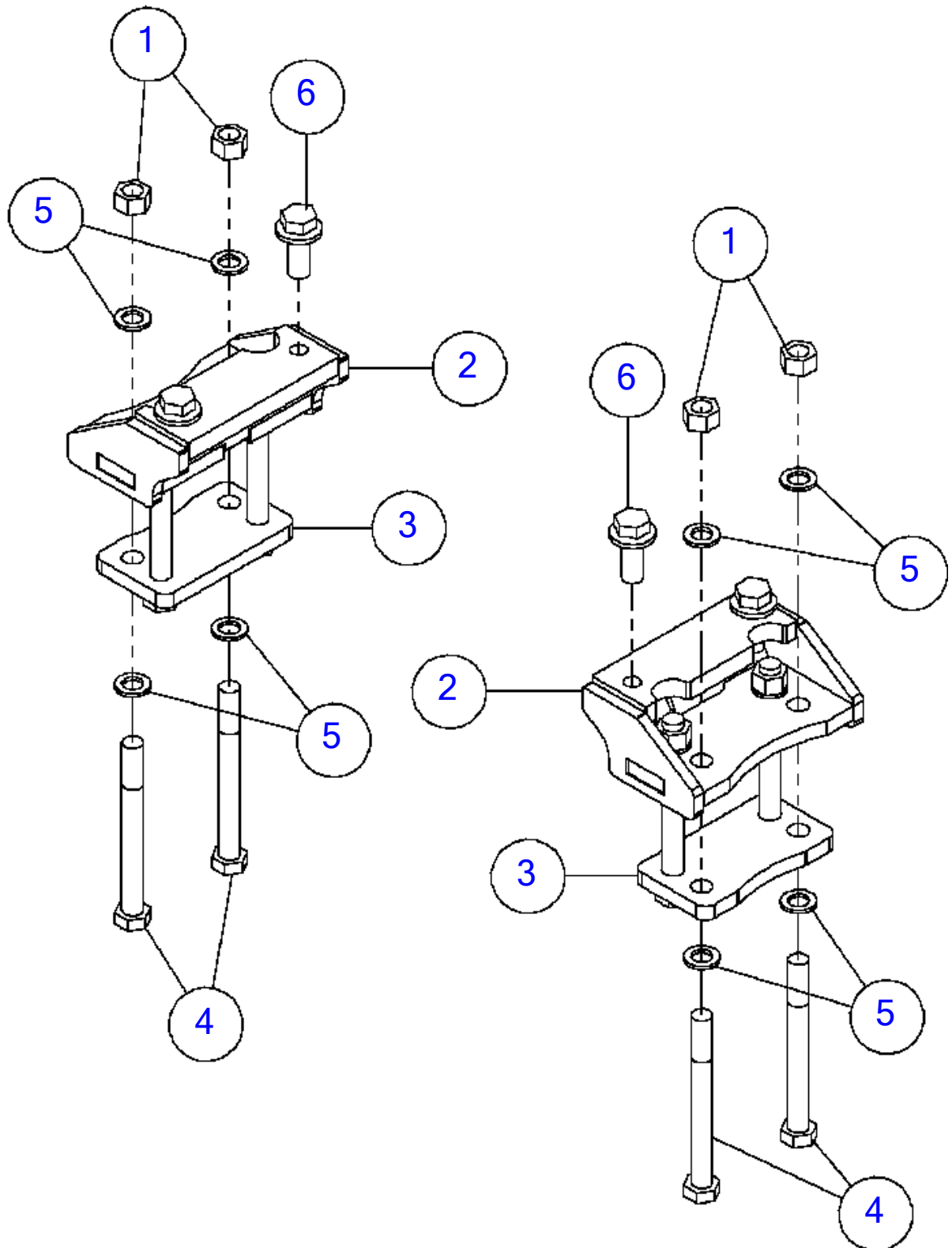
AXLE MOUNT FRONT STEERABLE**Fig 04-01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303541	AXLE PIVOT - FRONT	1	
2	296303543	AXLE PIVOT - REAR	1	
3	296303539	PIN - AXLE PIVOT	1	
4	250503001	BOLT 5/16 - 18 X 3 3/4 Gr8 HEX	1	
5	163621962	NUT-HEXCTRLOCK-.31-18-GR5-CZ	1	
6	296300804	SCREW-HFS-.63-11X2.50-GR8-YZ	4	
7	296300852	NUT-HEXFLGTL-.63-11-G-YZ	4	
8	595001	ZERK-1/4" NPT ST GREASE	1	

AXLE MOUNTING REAR

Fig 04-02

Illustration No. 296303650



AXLE MOUNTING REAR**Fig 04-02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	430001	NUT-5/8 NC SLTL GRADE B ZINC	1	
1	(510319501)	NUT-TLHEX-.63-11-B-YZ	1	
2	296303641	MOUNT - REAR AXLE	1	
3	296309827	PLATE - AXLE BASE CLAMP	1	
4	160763001	BOLT- 5/8 - 11 X 6 HHCS GR.8 ZY	1	
5	180014886	WASHER-FLATHARD-.63-.64 X 1.06-.11-ZP	1	
6	296300800	SCREW-HFS-.63-11X1.50-GR8-YZ	1	

AXLE DRIVE SHAFT PLANETARY

Fig 04-03

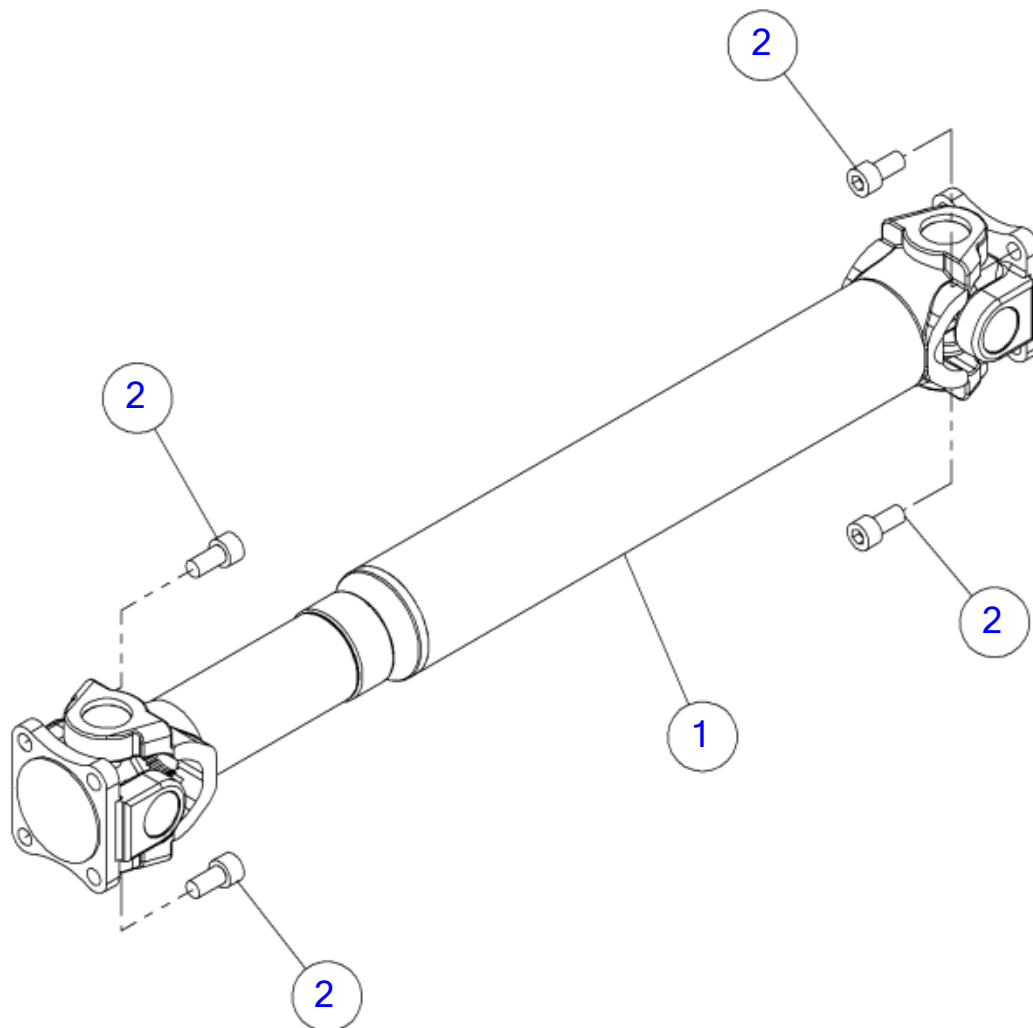


Illustration No. 296303651

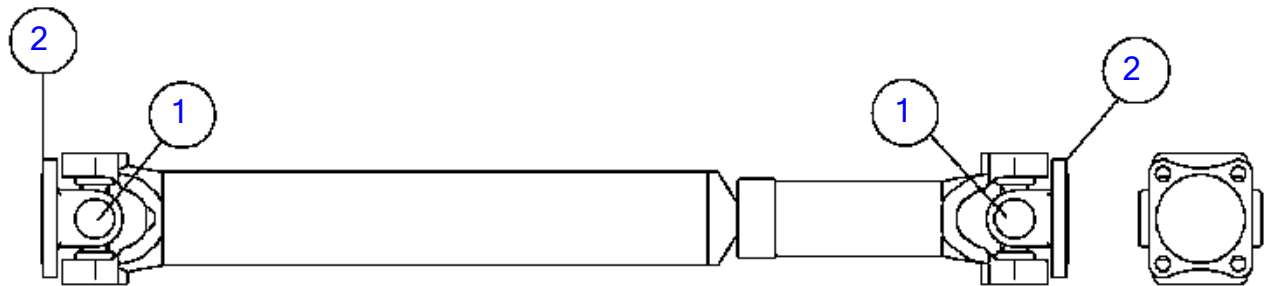
AXLE DRIVE SHAFT PLANETARY**Fig 04-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303505	DRIVE SHAFT ASSEMBLY	1	Breakdown Figure 4-3z01
2	507715020	BOLT-SHCS,M10-1.50X20,DIN912,12.9	8	

COMPONENTS-AXLE DRIVE SHAFT PLANETARY

Fig 04-03Z01

Illustration No. 296303906



COMPONENTS-AXLE DRIVE SHAFT PLANETARY**Fig 04-03Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	219200013	BEARING ASSEMBLY	1	
1	(16132001)	BRG./JOURNAL-SPICER #5-153X	1	
2	16134003	FLANGE-2-2-329	1	
	296303505	DRIVE SHAFT ASSEMBLY	A/R	Include All Items In Figure

AXLE FRONT STEERABLE

Fig 04-04

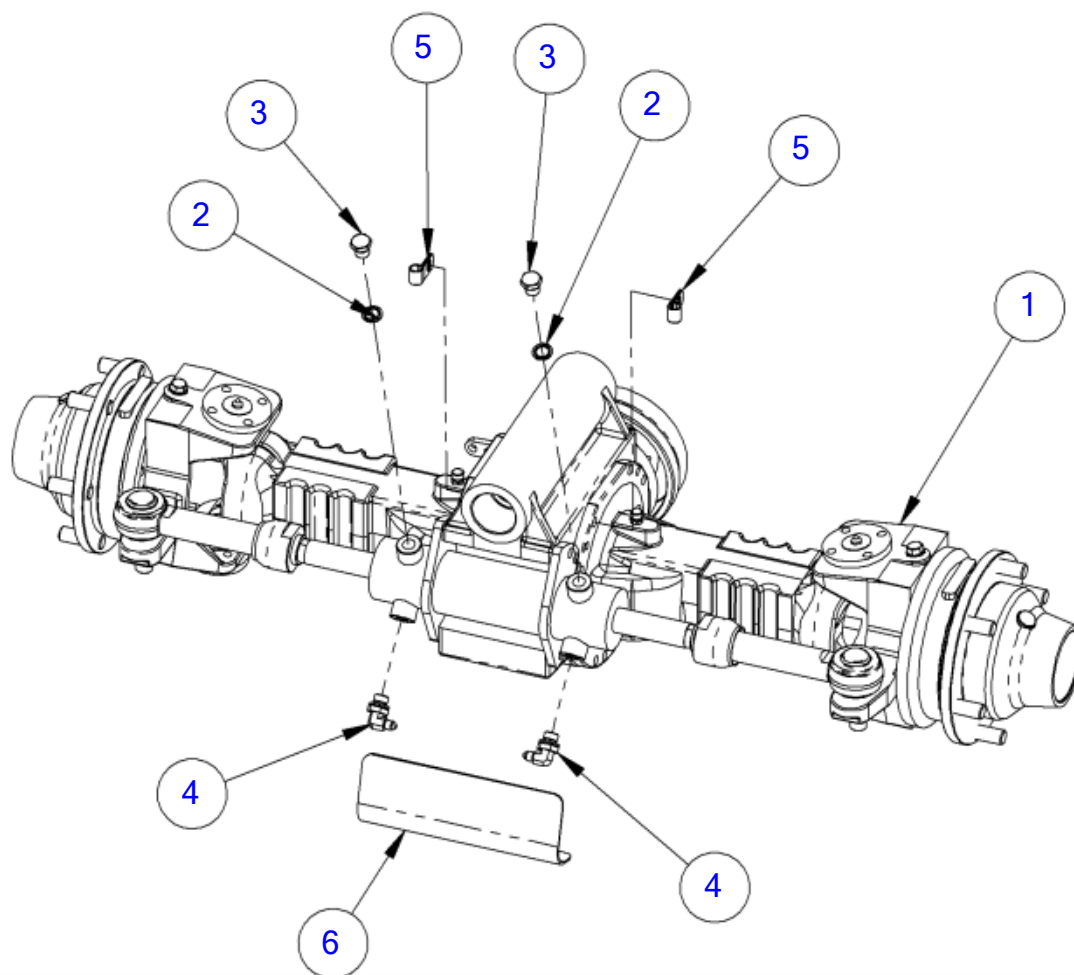


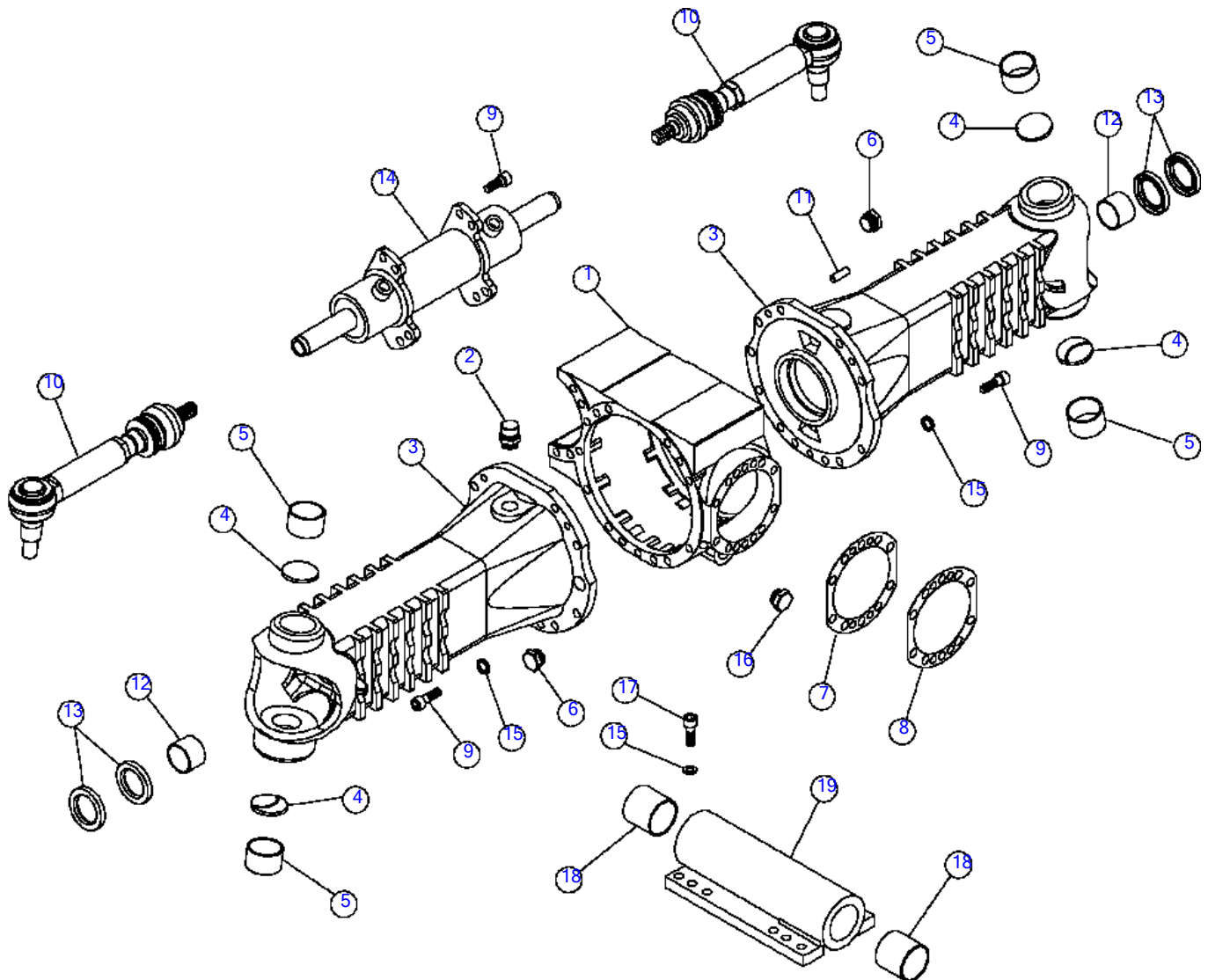
Illustration No. 296303570

AXLE FRONT STEERABLE**Fig 04-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303501	FRONT STEERING AXLE - COMER TYPE 068-865624	1	Breakdown Fig 4-4z01, 4-4z02, 4-4z03
2	296303519	SEAL RING - #6BSPP	2	
3	263694001	FITTING - PLUG - 06MBSPP - HEX, DIN 908	2	
3	(296303518)	FITTING - PLUG - #6MBSPP	2	
4	296303647	FITTING-90-4MJIC-6MBSPP	2	
5	296297645	CLAMP - .50 DIA - .53 MTG HOLE	2	
6	296309832	SHIELD STEERING CYLINDER	1	

COMPONENTS: AXLE FRONT STEERABLE

Fig 04-04Z01

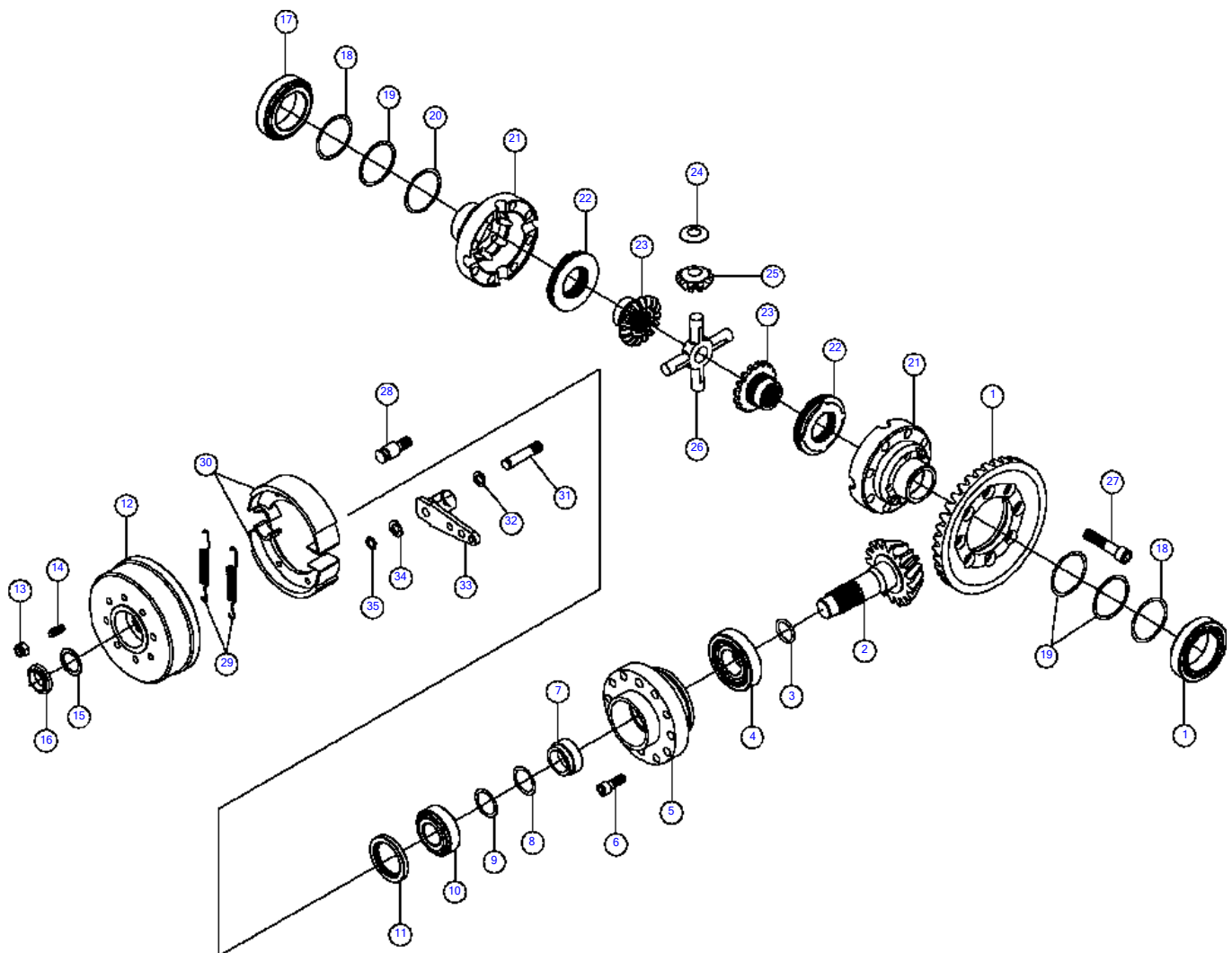


COMPONENTS: AXLE FRONT STEERABLE**Fig 04-04Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319751	CENTRAL HOUSING	1	
2	296319752	OIL PLUG M10X1	2	
3	296319753	HOUSING	2	
4	296319754	THRUST WASHER	4	
5	296319755	BUSH 35X39X20 BIMET	4	
6	296319757	PLUG M22X1.5 DIN 906	3	
7	296319758	296319787/	1	
8	296319759	PAPER GASKET 0.1	1	
9	296319760	SOCKET HEAD SCREW M12X30	32	
10	296319768	STEERING TIE WITH HEAD	2	
11	296319761	PARALLEL PIN 10X30	6	
12	296319762	BUSH 35X39X30	2	
13	296319763	SEAL RING BASL 35-47-7	4	
14	296319769	STEERING RAM	1	
14	296319911	SEAL KIT-STEERING CYLINDER	1	
15	128481001	WASHER-M12 FLAT HARDENED	28	
16	296319756	*PLUG M22X1.5 DIN 909	1	
17	507716030	BOLT- SHCS,M12-1.75X30,12.9,YZ,DIN912	12	
18	296319766	BUSH 50X55X50	2	
19	296319767	UPPER PIVOT HOUSING	1	
	296303501	*FRONT STEERING AXLE - COMER TYPE 068-865624	A/R	Include All Items in Fig. 4-4z01, 4-4z02, 4-4z03

COMPONENTS: PINION FRONT STEERABLE

Fig 04-04Z02



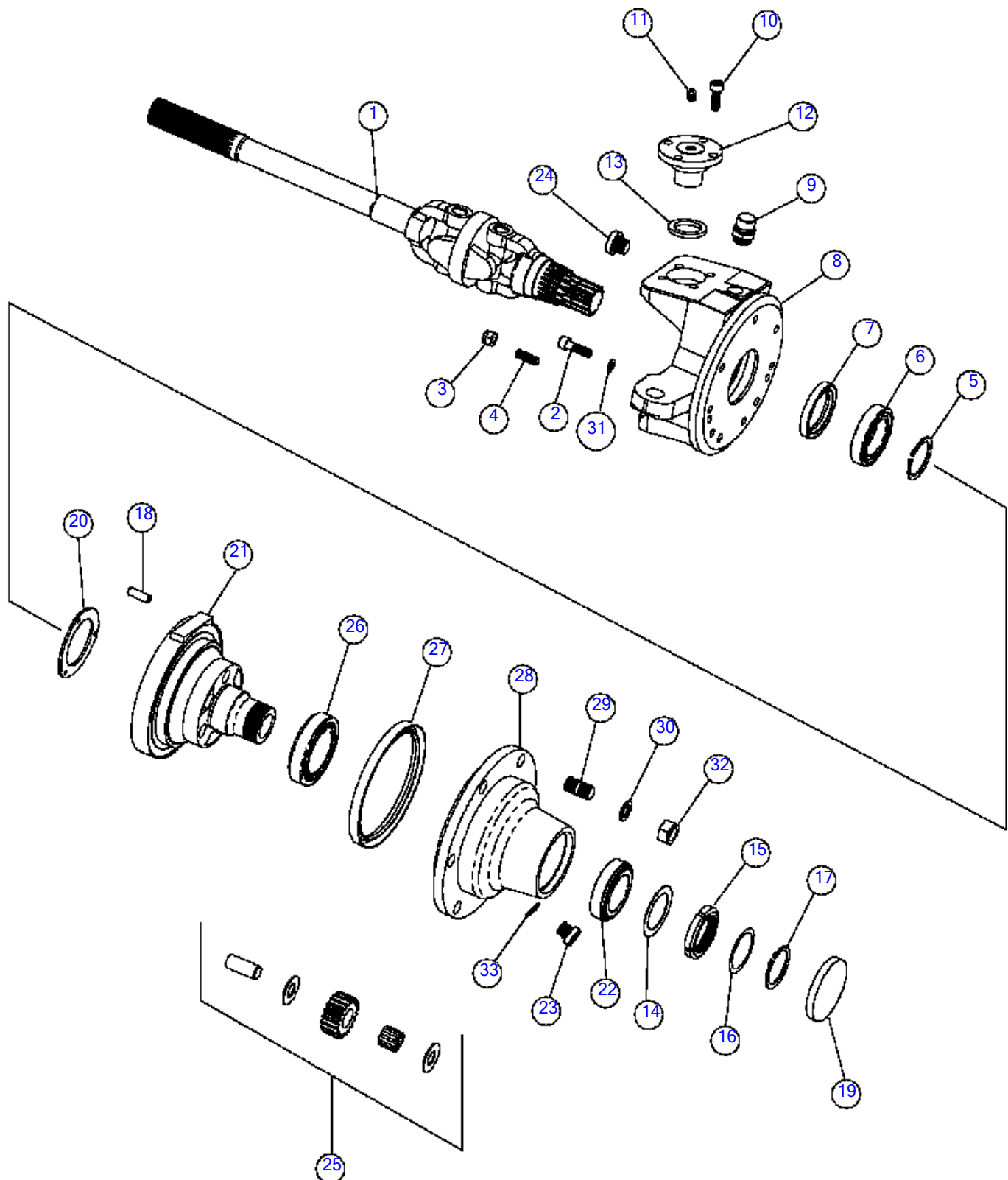
COMPONENTS: PINION FRONT STEERABLE

Fig 04-04Z02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319789	BEVEL RING GEAR Z-39	1	
2	296319770	BEVEL PINION Z-12	1	
3	296319771	O-RING 4112	1	
4	296319772	TAPER ROLLING BEARING 30308	1	
5	296319773	PINION HOUSING	1	
6	296319783	SOCKET SCREW M12X45 12.9	10	
7	296319774	SPACER	1	
8	296319775	SHIM PS 35X45X0.1	A/R	Order As Required
9	296319776	SHIM PS 35X40X0.3	A/R	Order As Required
10	296319777	TAPER ROLLING BEARING 32207	1	
11	296319778	OIL SEAL BASL 50X72X8	1	
12	296319779	FLANGE WITH BRAKE DRUM	1	
13	296319784	SELF LOCK NUT M10	8	
14	296319782	STUD BOLT M10X25	8	
15	296319780	SHIM AS 3047	1	
16	296319781	SELF - LOCK NUT GP M30X1.5	1	
17	296319785	TAPER ROLLING BEARING 32012	2	
18	296319786	SHIM 61X70X0.1	A/R	Order As Required
19	296319787	SHIM 61X70X0.3	A/R	Order As Required
20	296319788	SHIM 61X70X.05	A/R	Order As Required
21	296319790	*DIFF. HALF HOUSING	1	Include Two Pieces
22	296319791	LMS DISC PACKAGE	2	
23	296319792	CROWN WHEEL	2	
24	296319793	SIDE PINION SHIM	4	
25	296319794	SIDE PINION	4	
26	296319795	SPIDER	1	
27	296319796	SOCKET SCREW M14X70 12.9	8	
28	296319802	BRAKE FULCRUM PIN	1	
29	296319797	SPRING	2	
30	296319801	BRAKE SHOE -PAIR	1	
31	296319803	BRAKE LEVER PIN	1	
32	296319804	SHIM AS 1528	1	
33	296319798	BRAKE LEVER	1	
34	296319799	FRICTION WASHER	1	
35	296319800	SNAP RING E14 230-150H	1	
	296303501	*FRONT STEERING AXLE - COMER TYPE 068-865624	A/R	Include All Items in Fig. 4-4z01, 4-4z02, 4-4z03

COMPONENTS: KNUCKLE FRONT STEERABLE

Fig 04-04Z03



COMPONENTS: KNUCKLE FRONT STEERABLE**Fig 04-04Z03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319805	CARDAN SHAFT	1	
2	296319806	SOCKET HEAD SCREW M10X30	7	
3	296319808	SELF LOCKING NUT G8 M10	2	
4	296319809	STUD BOLT 8.8 M10X30	2	
5	296319810	SNAP RING E50	1	
6	296319811	BALL BEARING 6010	1	
7	296319812	OIL SEAL BASL 55-75-10	1	
8	296319813	RIGHT HAND OUTSIDE KNUCKLE	1	
8	296319814	LEF HAND OUTSIDE KNUCKLE	1	
9	296319815	OIL BLEEDING CAP M22X1.5	1	
10	296319818	SOCKET HEAD SCREW M10X25	16	
11	296319819	GREASING NIPPLE M10X1	4	
12	296319820	FLANGED PIN	4	
13	296319821	FELT PIN	4	
14	296319824	SHIM AS 5070	1	
15	296319825	RING NUT KM10 M50X1.5	1	
16	296319826	SHIM 50X62X0.1	3	
17	296319810	SNAP RING E50	1	
18	296319816	PIN 10X30	2	
19	296319827	PLASTIC CAP 85X10	1	
20	296319861	RING	1	
21	296319829	SPINDLE	1	
22	296319836	*TAPER ROLLER BEARING 32010	1	
23	296319834	OIL OUTLET CAP TC M18X1.5	1	
24	296319817	OIL CAP M22X1.5	1	
25	296319830	PLANETARY GEAR ASSEMBLY	3	
26	296319852	*TAPER ROLLER BEARING 32012	1	
27	296319831	OIL SEAL BASL 145X170X13	1	
28	296319832	WHEEL HUB	1	
29	296319833	STUD BOLT 10.9 M18X1.5	6	
30	296319823	*SPLIT WASHER DIAM. 18	6	
31	296319807	SPRING DIAM 10	9	
32	296319822	*NUT M18X1.5	6	
33	296319835	SPRING DIAM. 18X24X1.5	1	
	296303501	*FRONT STEERING AXLE - COMER TYPE 068-865624	A/R	Include All Items in Fig. 4-4z01, 4-4z02, 4-4z03
		NOTE: DUE TO INTERCHANGEABLE PARTS BETWEEN FRONT & REAR AXLES, REFERENCES TO THE RIGHT/LEFT COMPONENTS OF FRONT AXLE ARE OPPOSITE TO THOSE OF THE TRACTOR	A/R	

OSCILLATION STOP FRONT STEERABLE

Fig 04-05

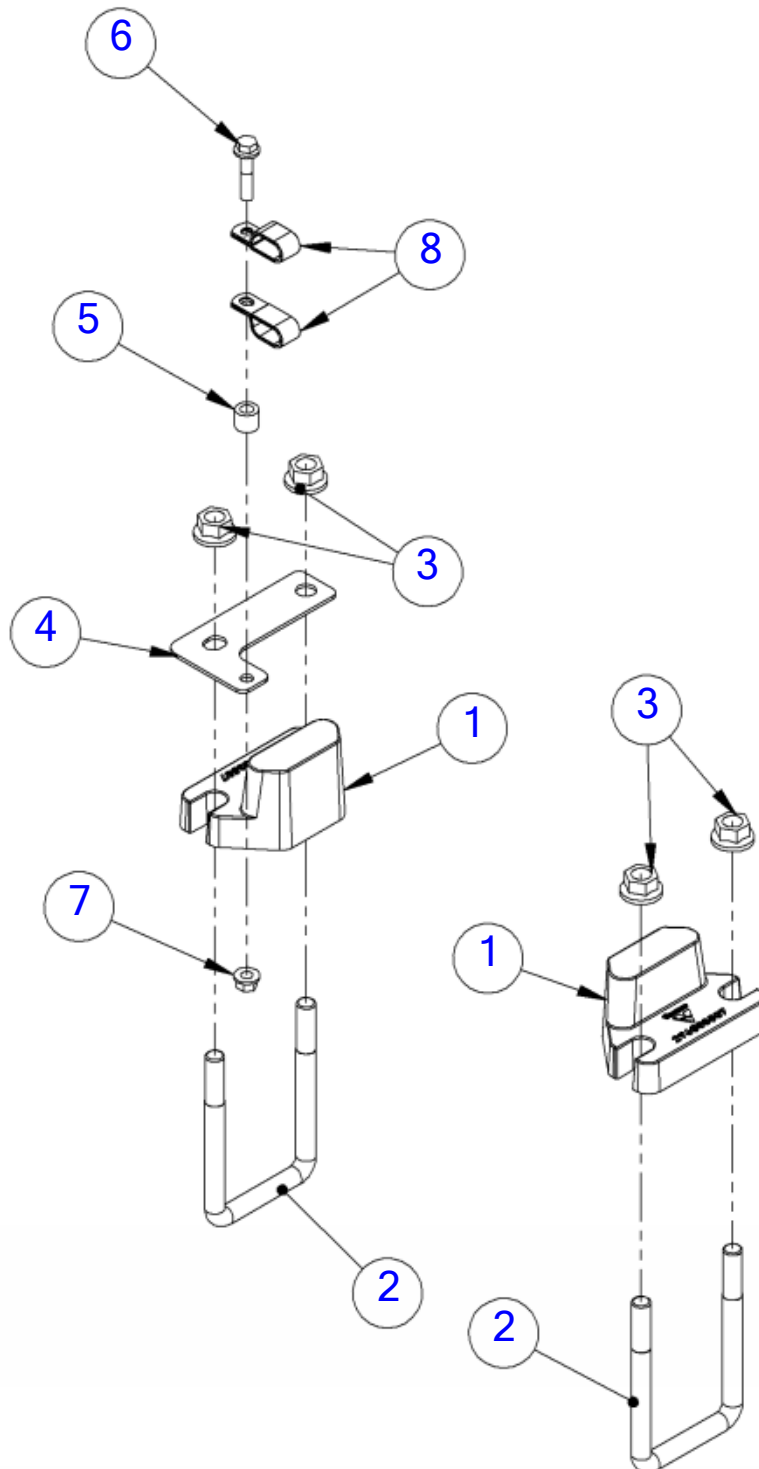


Illustration No. 296303652

OSCILLATION STOP FRONT STEERABLE**Fig 04-05**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303507	OSCILLATION STOP - FRONT	2	
2	296303538	U-BOLT	2	
3	296300852	NUT-HEXFLGTL-.63-11-G-YZ	4	
4	296297644	PLATE - HOSE CLAMP MOUNT	1	
5	242584001	SPACER TUBE-SHORT	1	
6	296300775	SCREW-HFS-...38-16X1.75-GR8-YZ	1	
7	296300850	NUT-HEXFLGTL-.38-16-G-YZ	1	
8	70076001	CLIP-CUSHION KMC CDV-0813	2	

AXLE RIGID REAR

Fig 04-06

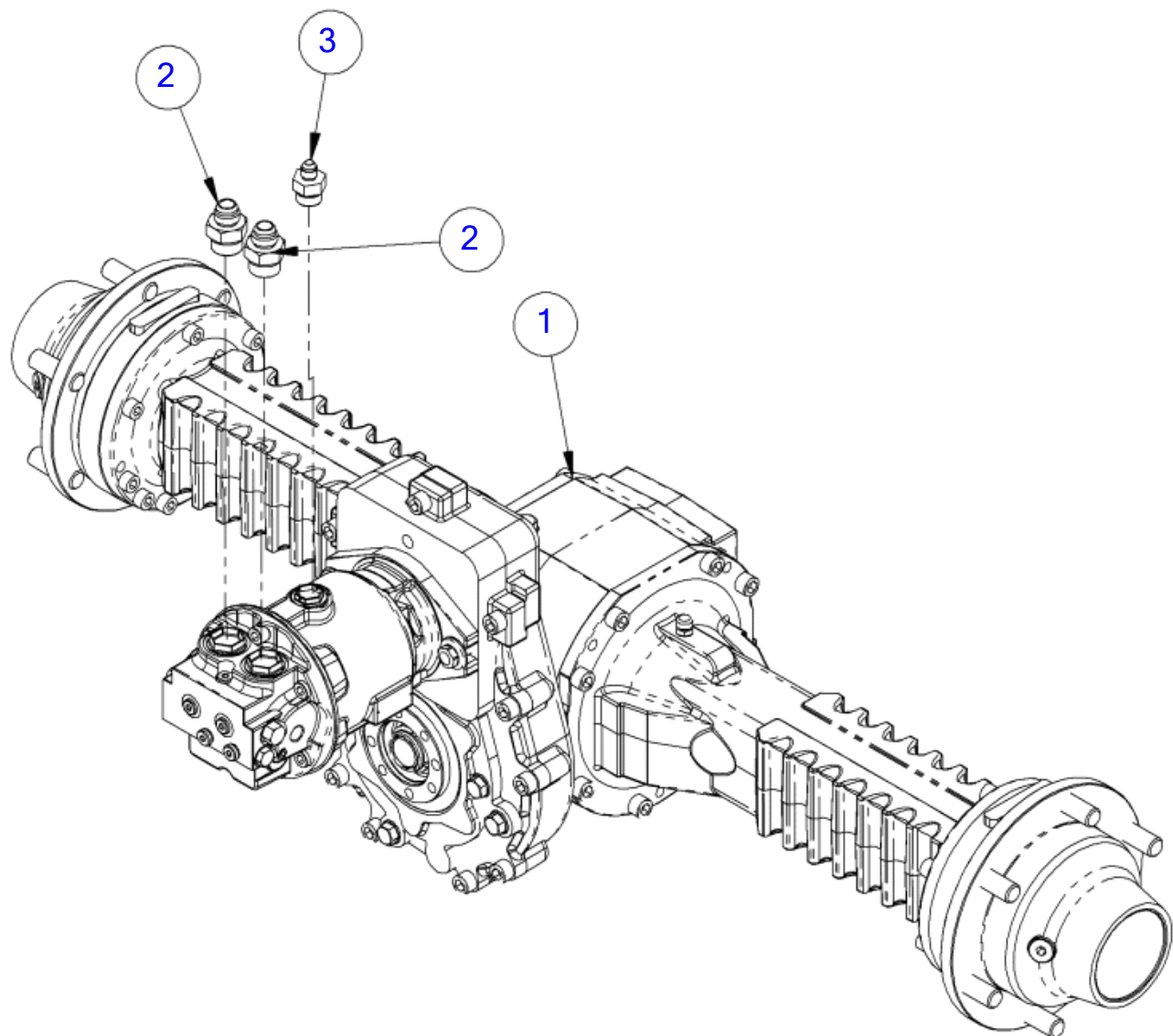


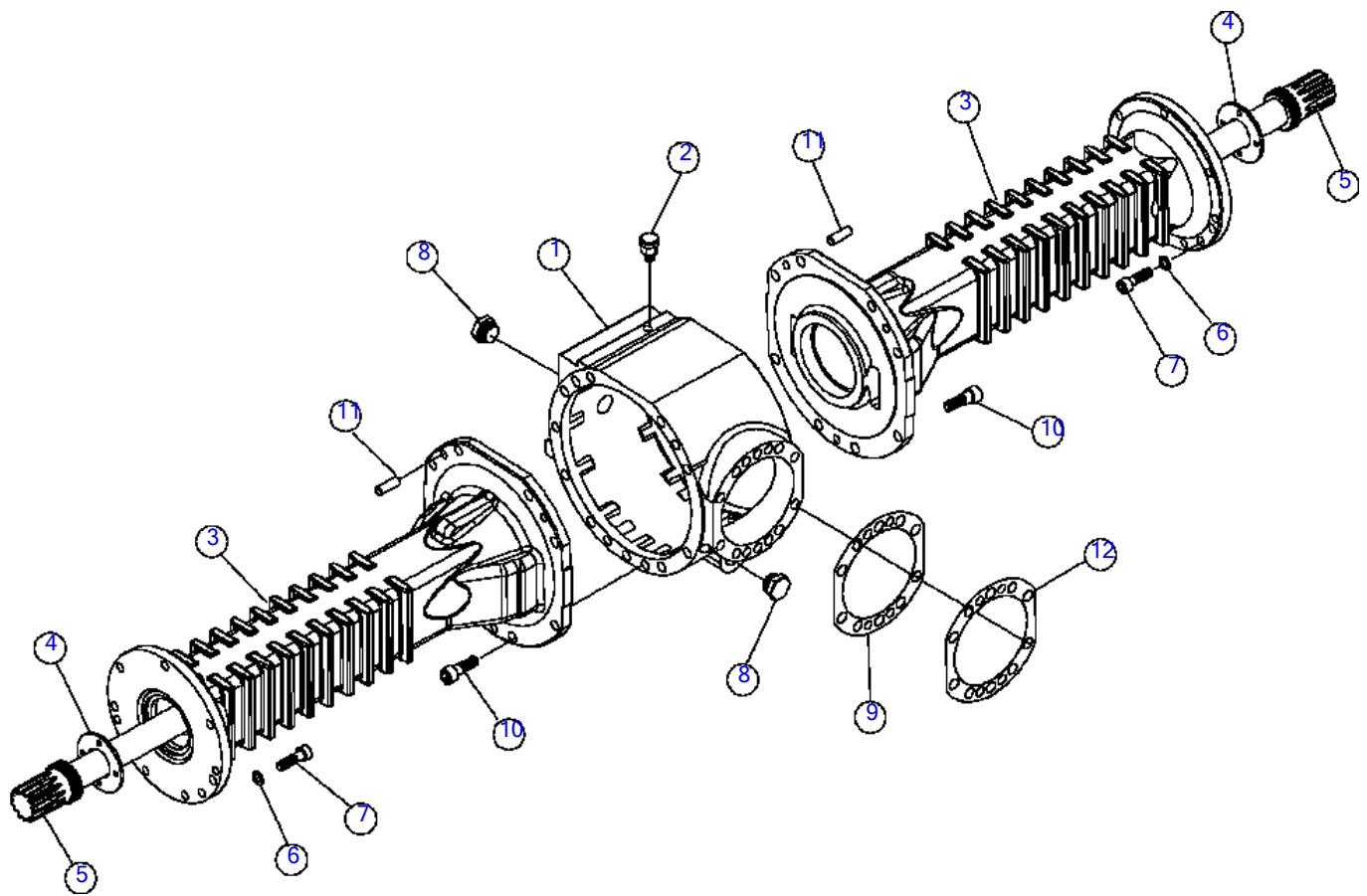
Illustration No. 296303572

AXLE RIGID REAR**Fig 04-06**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303502	RIGID REAR AXLE - COMER TYPE 068-881992	1	Breakdown Fig 4-6z01, 4-6z02, 4-6z03
2	53854001	FITTING-12M O-RING-10M JIC ST.	2	
3	57946001	FITTING-10MX#6JIC ST ADAPTER	1	

COMPONENTS: AXLE RIGID REAR

Fig 04-06Z01

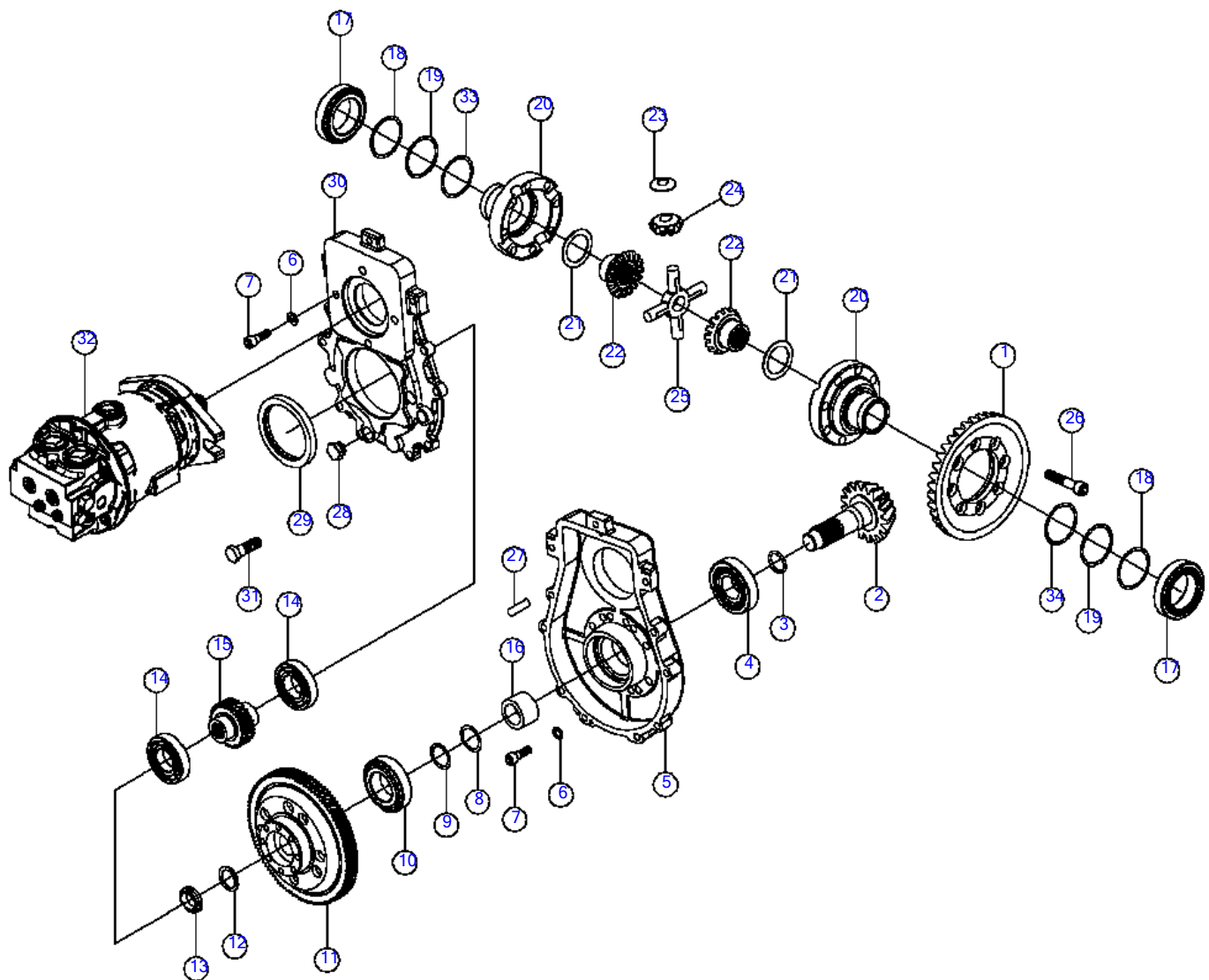


COMPONENTS: AXLE RIGID REAR**Fig 04-06Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319838	CENTRAL HOUSING	1	
2	296319839	OIL PLUG M22X1.5	1	
3	296319840	SIDE HOUSING	2	
4	296319841	SUN GEAR WASHER	2	
5	296319842	DRIVE SHAFT	2	
6	296319843	WSHER D.10	18	
7	296319806	SOCKET HEAD SCREW M10X30	18	
8	296319756	*PLUG M22X1.5 DIN 909	2	
9	296319759	PAPER GASKET 0.1	18	
10	296319844	SOCKET HEAD SCREW M10X30.8	16	
11	296319816	PIN 10X30	6	
12	296319758	296319787/	2	
13	296319757	PLUG M22X1.5 DIN 906	1	Not Shown.
	296303502	RIGID REAR AXLE - COMER TYPE 068-881992	1	Includes All Items in 4-6z01, 4-6z02, 4-6z03

COMPONENTS: PINION RIGID REAR

Fig 04-06Z02



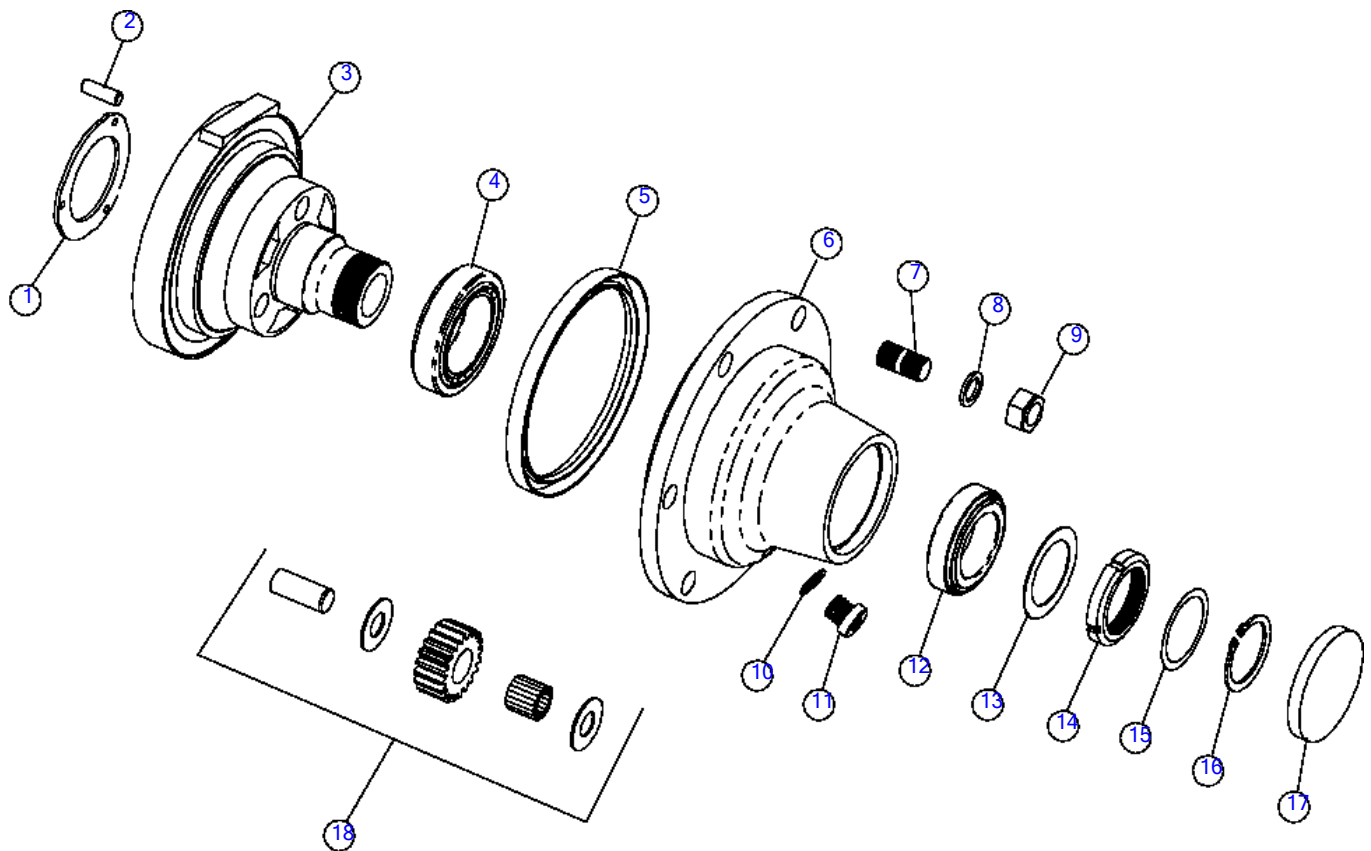
COMPONENTS: PINION RIGID REAR

Fig 04-06Z02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319789	BEVEL RING GEAR Z-39	1	
2	296319770	BEVEL PINION Z-12	1	
3	296319771	O-RING 4112	1	
4	296319772	TAPER ROLLING BEARING 30308	1	
5	296319846	PINION HOUSING	1	
6	501802001	WASHER-D. 12X30X4	19	
7	296319851	SCREW M12X35 12.9	19	
8	296319775	SHIM PS 35X45X0.1	A/R	Order As Required
9	296319776	SHIM PS 35X40X0.3	A/R	Order As Required
10	296319847	TAPER ROLLING BEARING 32210	2	
11	296319848	GEAR Z - 105	1	
12	296319780	SHIM AS 3047	1	
13	296319781	SELF - LOCK NUT GP M30X1.5	1	
14	296319849	*BALL BEARING 6208	2	
15	296319854	INPUT GEAR	1	
16	296319850	SPACER	1	
17	296319852	*TAPER ROLLER BEARING 32012	2	
18	296319912	SHIM- 60.3 X 71.7 X 0.35	2	
19	296319787	SHIM 61X70X0.3	A/R	Order As Required
20	296319790	DIFF. HALF HOUSING	2	
21	296319791	LMS DISC PACKAGE	2	
22	296319792	CROWN WHEEL	2	
23	296319793	SIDE PINION SHIM	4	
24	296319794	SIDE PINION	4	
25	296319795	SPIDER	1	
26	296319796	SOCKET SCREW M14X70 12.9	8	
27	296319853	PIN 6X20 DIN 6325	2	
28	296319855	PLUG EE M22X1.5	3	
29	296319856	OIL SEAL BASL 95X102X12	1	
30	296319857	COVER PINION	1	
31	296319858	SCREW M14X35 10.9	2	
32	296319859	*HYDRAULIC MOTOR MV2B	1	Breakdown Figure 4-7z04
33	296319786	SHIM 61X70X0.1	A/R	Order As Required
34	296319788	SHIM 61X70X0.05	A/R	Order As Required
	296303502	RIGID REAR AXLE - COMER TYPE 068-881992	A/R	Includes All Items in 4-6z01, 4-6z02, 4-6z03

COMPONENTS: WHEEL HUB RIGID REAR

Fig 04-06Z03



COMPONENTS: WHEEL HUB RIGID REAR

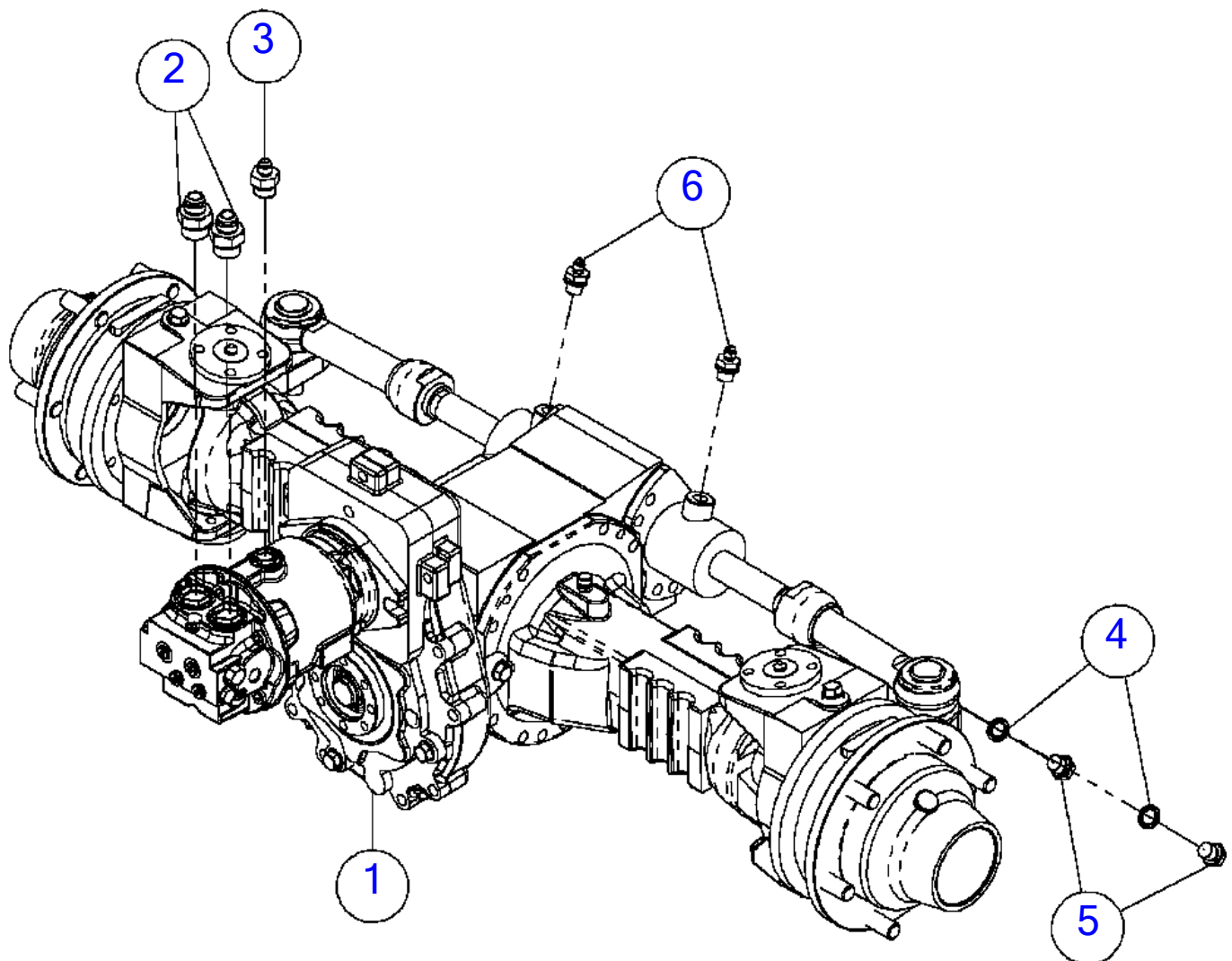
Fig 04-06Z03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319861	RING	1	
2	296319816	PIN 10X30	4	
3	296319829	SPINDLE	1	
4	296319785	TAPER ROLLING BEARING 32012	1	
5	296319831	OIL SEAL BASL 145X170X13	1	
6	296319832	WHEEL HUB	1	
7	296319833	STUD BOLT 10.9 M18X1.5	6	
8	296319823	*SPLIT WASHER DIAM. 18	6	
9	296319822	*NUT M18X1.5	6	
10	296319835	SPRING DIAM. 18X24X1.5	1	
11	296319834	OIL OUTLET CAP TC M18X1.5	1	
12	296319836	TAPER ROLLER BEARING 32010	1	
13	296319824	SHIM AS 5070	1	
14	296319825	RING NUT KM10 M50X1.5	1	
15	296319826	SHIM 50X62X0.1	3	
16	296319810	SNAP RING E50	1	
17	296319827	PLASTIC CAP 85X10	1	
18	296319830	PLANETARY GEAR ASSEMBLY	3	
	296303502	RIGID REAR AXLE - COMER TYPE 068-881992	A/R	Includes All Items in 4-6z01, 4-6z02, 4-6z03

AXLE REAR STEERABLE

Fig 04-07

Illustration No. 296303571

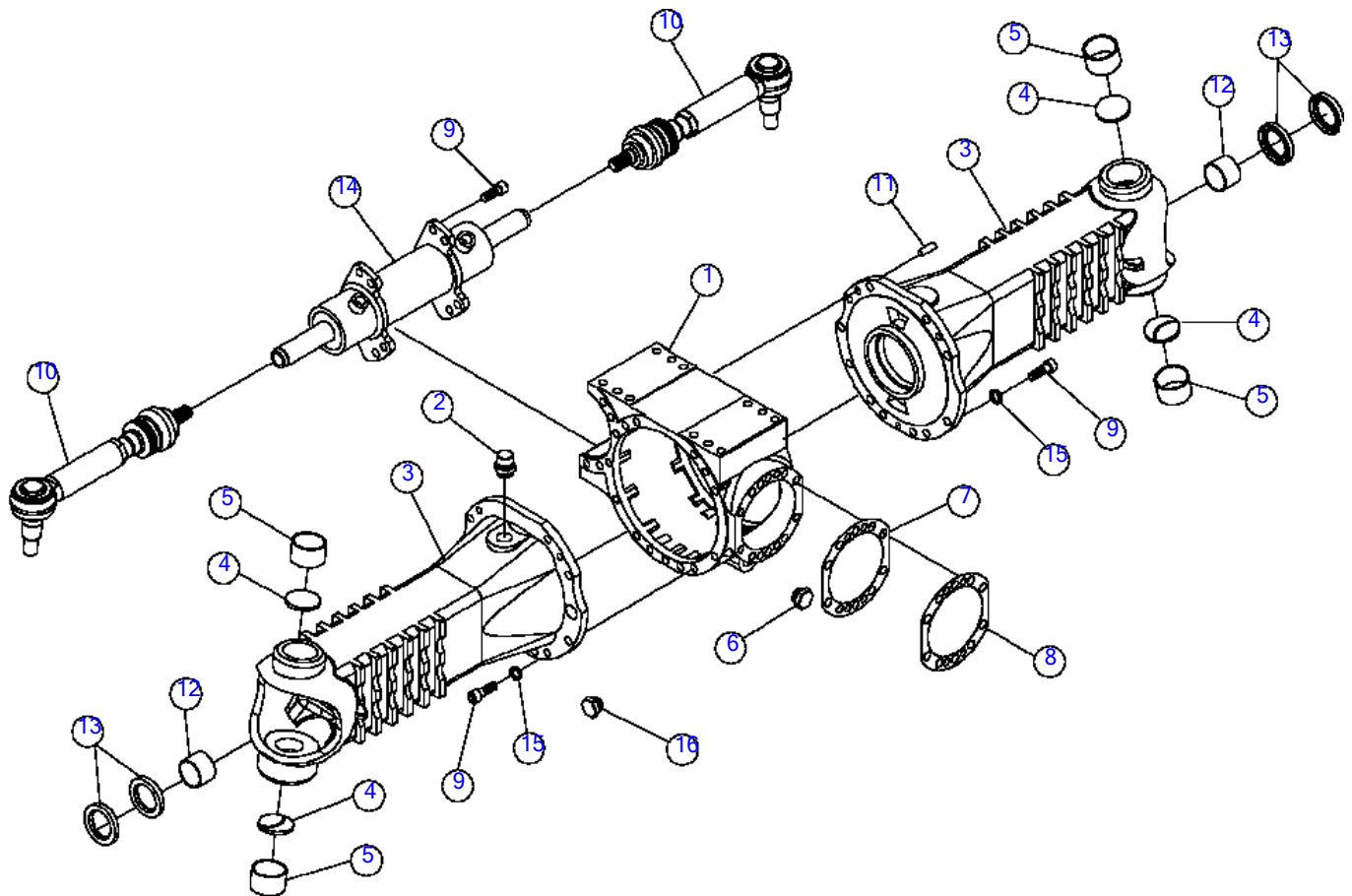


AXLE REAR STEERABLE**Fig 04-07**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303503	*STEERABLE AXLE - REAR - COMER TYPE 068-865623	1	Breakdown Figure 4-7z01 To 4-7z04
2	53854001	FITTING-12M O-RING-10M JIC ST.	2	
3	57946001	FITTING-10MX#6JIC ST ADAPTER	1	
4	296303519	SEAL RING - #6BSPP	2	
5	263694001	FITTING - PLUG - 06MBSPP - HEX, DIN 908	2	
5	(296303518)	FITTING - PLUG - #6MBSPP	2	
6	144479001	FITTING-4JIC X 3/8-19 BSPP	2	

COMPONENTS: AXLE REAR STEERABLE

Fig 04-07Z01

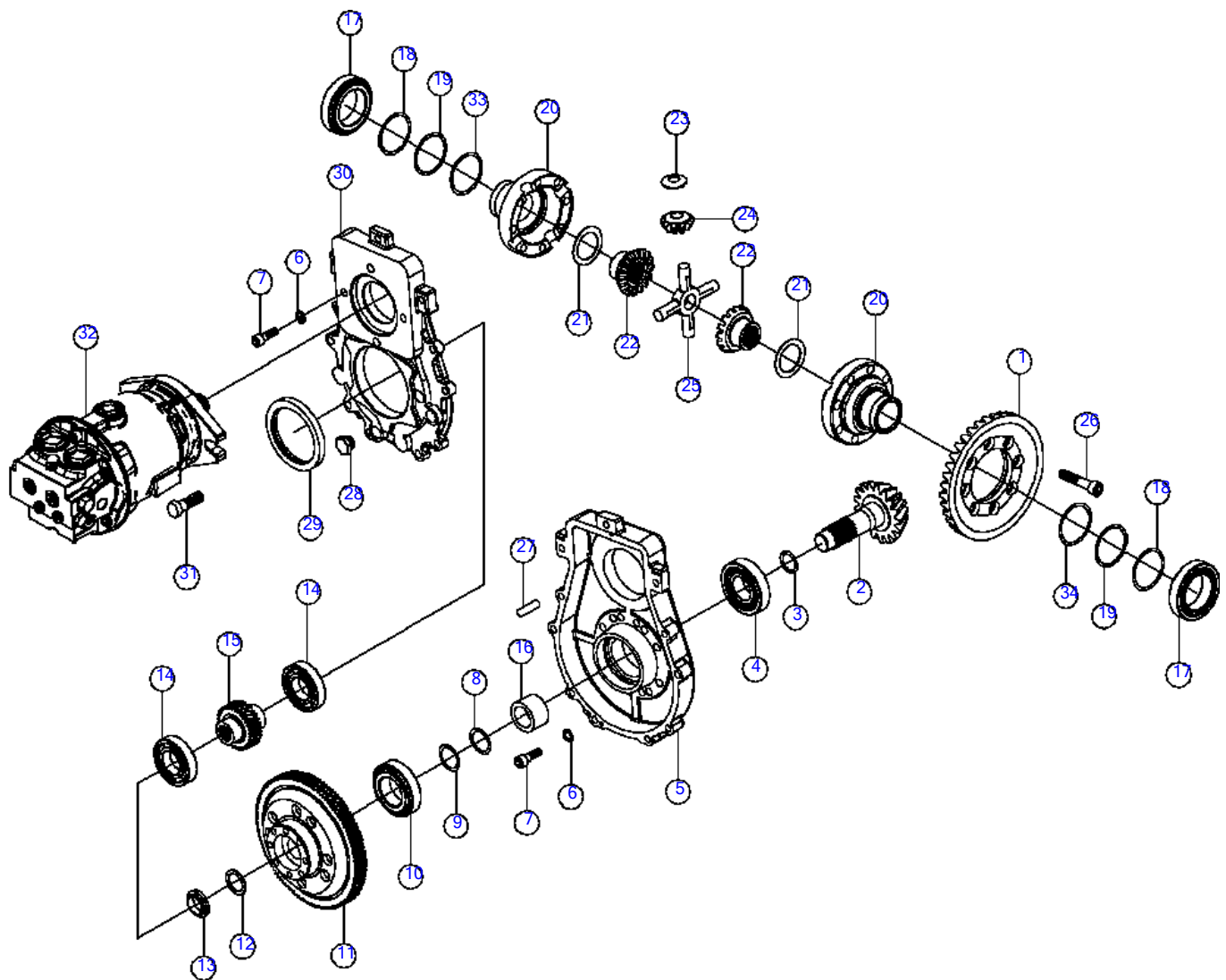


COMPONENTS: AXLE REAR STEERABLE
Fig 04-07Z01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319913	CENTRAL HOUSING 865623	1	
2	296319752	OIL PLUG M10X1	2	
3	296319753	HOUSING	2	
4	296319754	THRUST WASHER	4	
5	296319755	BUSH 35X39X20 BIMET	4	
6	296319756	PLUG M22X1.5 DIN 909	3	
7	296319758	296319787/	2	
8	296319759	PAPER GASKET 0.1	1	
9	296319760	SOCKET HEAD SCREW M12X30	24	
10	296319768	STEERING TIE WITH HEAD	2	
11	296319761	PARALLEL PIN 10X30	6	
12	296319762	BUSH 35X39X30	2	
13	296319763	SEAL RING BASL 35-47-7	4	
14	296319769	STEERING RAM	1	
14	296319911	SEAL KIT-STEERING CYLINDER	1	
15	128481001	WASHER-M12 FLAT HARDENED	16	
16	296319757	PLUG M22X1.5 DIN 906	1	
	296303503	STEERABLE AXLE - REAR - COMER TYPE 068-865623	A/R	Incl. All Items In Fig. 4-7z01, 4-7z02, 4-7z03

COMPONENTS: PINION REAR STEERABLE

Fig 04-07Z02



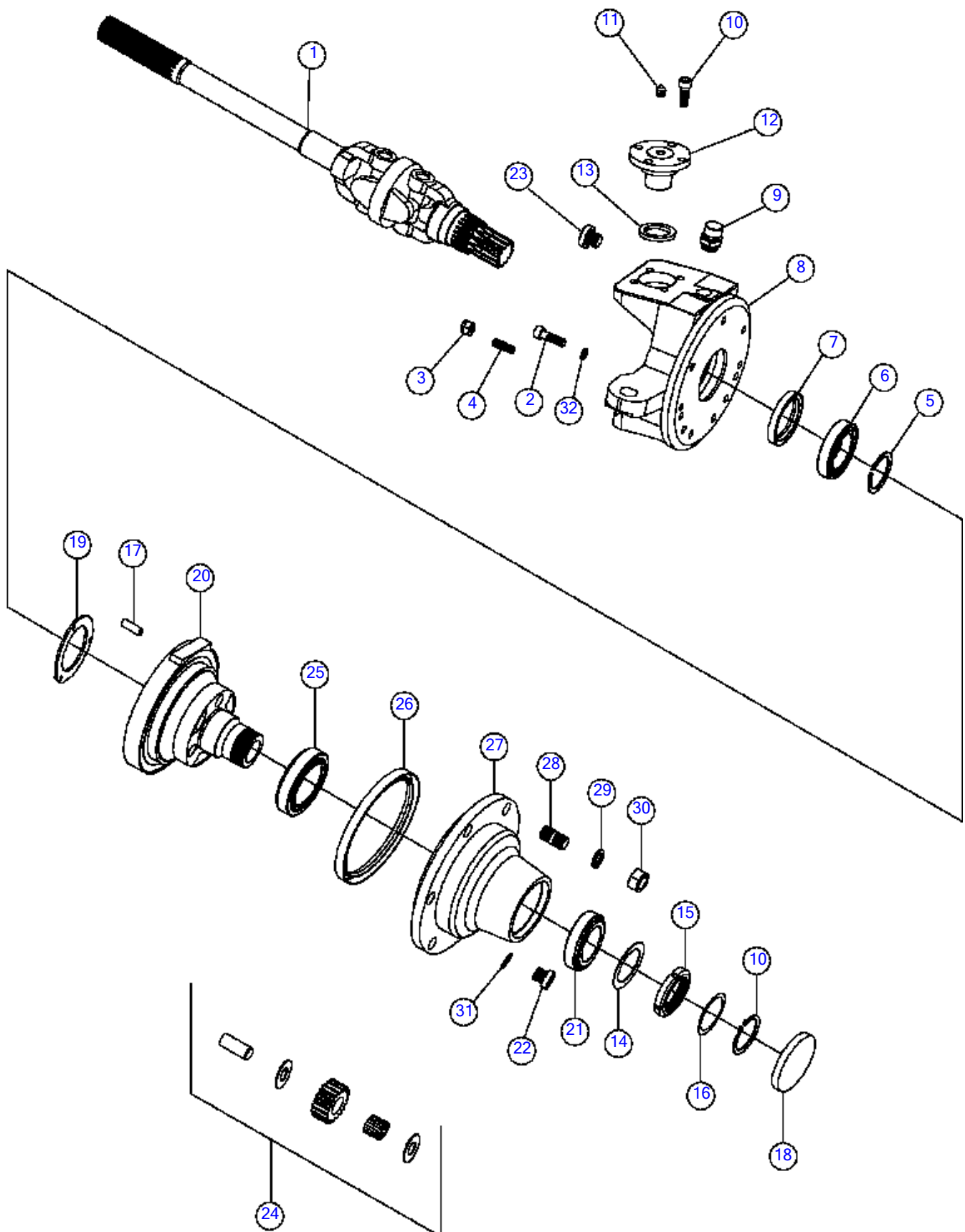
COMPONENTS: PINION REAR STEERABLE

Fig 04-07Z02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319789	BEVEL RING GEAR Z-39	1	
2	296319770	BEVEL PINION Z-12	1	
3	296319771	O-RING 4112	1	
4	296319772	TAPER ROLLING BEARING 30308	1	
5	296319846	PINION HOUSING	1	
6	501802001	WASHER-D. 12X30X4	19	
7	296319851	SCREW M12X35 12.9	19	
8	296319775	SHIM PS 35X45X0.1	A/R	Order As Required
9	296319776	SHIM PS 35X40X0.3	A/R	Order As Required
10	296319847	TAPER ROLLING BEARING 32210	1	
11	296319848	GEAR Z - 105	1	
12	296319780	SHIM AS 3047	1	
13	296319781	SELF - LOCK NUT GP M30X1.5	1	
14	296319849	*BALL BEARING 6208	2	
15	296319854	INPUT GEAR	1	
16	296319850	SPACER	1	
17	296319852	*TAPER ROLLER BEARING 32012	2	
18	296319912	SHIM- 60.3 X 71.7 X 0.35	A/R	Order As Required
19	296319786	SHIM 61X70X0.1	A/R	Order As Required
20	296319790	*DIFF. HALF HOUSING	1	Include Two Pieces
21	296319791	LMS DISC PACKAGE	2	
22	296319792	CROWN WHEEL	2	
23	296319793	SIDE PINION SHIM	4	
24	296319794	SIDE PINION	4	
25	296319795	SPIDER	1	
26	296319796	SOCKET SCREW M14X70 12.9	8	
27	296319852	TAPER ROLLER BEARING 32012	2	
28	296319855	PLUG EE M22X1.5	3	
29	296319856	OIL SEAL BASL 95X102X12	1	
30	296319857	COVER PINION	1	
31	296319858	SCREW M14X35 10.9	2	
32	296319859	*HYDRAULIC MOTOR MV2B	1	Breakdown Fig 4-7z04
33	296319787	SHIM 61X70X0.3	A/R	Order As Required
34	296319788	SHIM 61X70X0.05	A/R	Order As Required
	296303501	FRONT STEERING AXLE - COMER TYPE 068-865624	A/R	Incl. All Items In Fig. 4-7z01, 4-7z02, 4-7z03

COMPONENTS: KNUCKLE REAR STEERABLE

Fig 04-07Z03

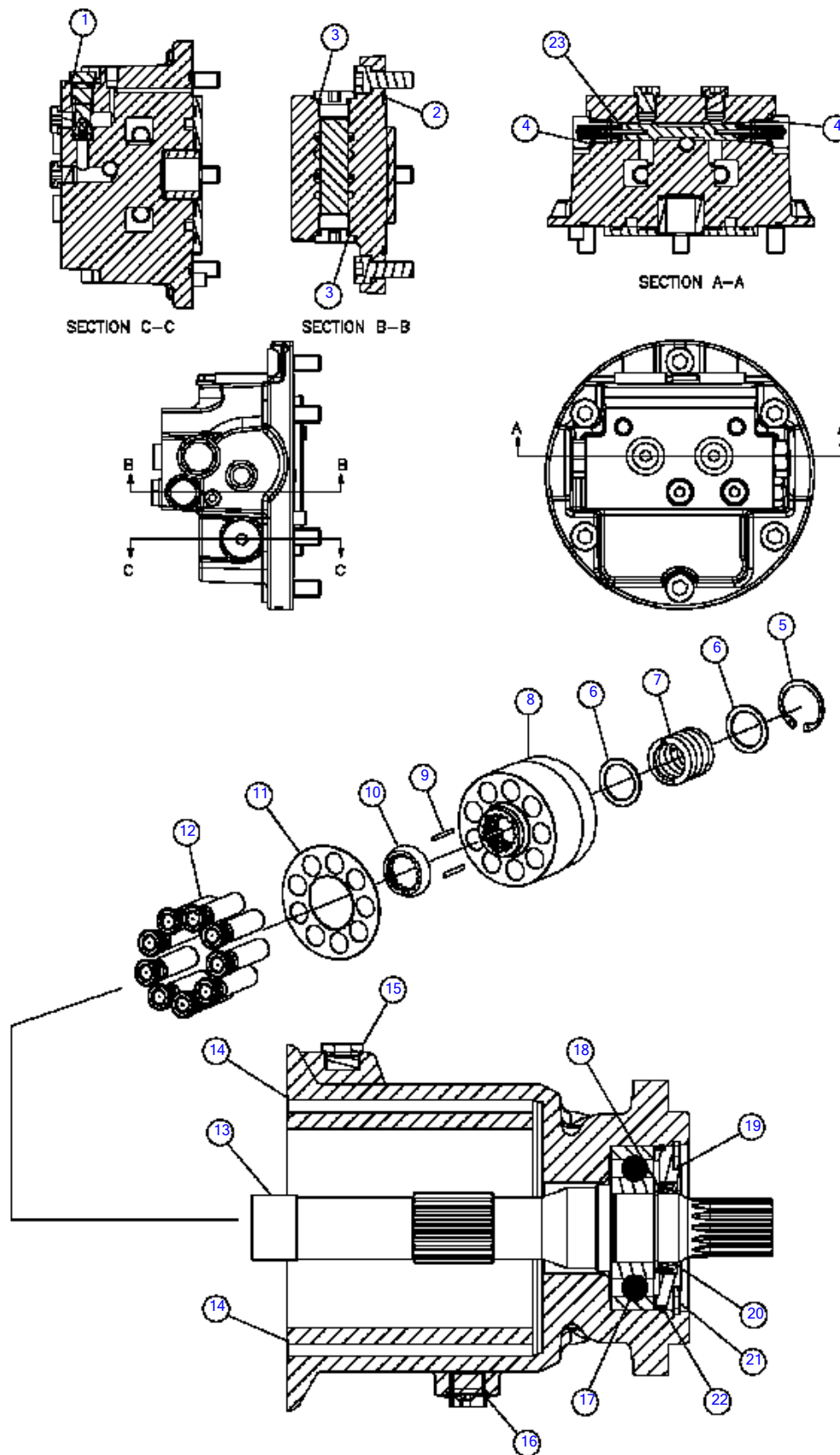


COMPONENTS: KNUCKLE REAR STEERABLE**Fig 04-07Z03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296319805	CARDAN SHAFT	1	
2	296319806	SOCKET HEAD SCREW M10X30	7	
3	296319808	SELF LOCKING NUT G8 M10	2	
4	296319809	STUD BOLT 8.8 M10X30	2	
5	296319810	SNAP RING E50	2	
6	296319811	BALL BEARING 6010	1	
7	296319812	OIL SEAL BASL 55-75-10	1	
8	296319813	RIGHT HAND OUTSIDE KNUCKLE	1	
8	296319814	LEF HAND OUTSIDE KNUCKLE	1	
9	296319815	OIL BLEEDING CAP M22X1.5	1	
10	296319818	SOCKET HEAD SCREW M10X25	16	
11	296319819	GREASING NIPPLE M10X1	4	
12	296319820	FLANGED PIN	4	
13	296319821	FELT PIN	4	
14	296319824	SHIM AS 5070	1	
15	296319825	RING NUT KM10 M50X1.5	1	
16	296319826	SHIM 50X62X0.1	3	
17	296319816	PIN 10X30	2	
18	296319827	PLASTIC CAP 85X10	1	
19	296319861	*RING	1	
20	296319829	*SPINDLE	1	
21	296319836	*TAPER ROLLER BEARING 32010	1	
22	296319834	OIL OUTLET CAP TC M18X1.5	1	
23	296319817	OIL CAP M22X1.5	1	
24	296319830	PLANETARY GEAR ASSEMBLY	3	
25	296319852	*TAPER ROLLER BEARING 32012	1	
26	296319831	OIL SEAL BASL 145X170X13	1	
27	296319832	WHEEL HUB	1	
28	296319833	STUD BOLT 10.9 M18X1.5	6	
29	296319823	*SPLIT WASHER DIAM. 18	6	
30	296319822	*NUT M18X1.5	6	
31	296319835	SPRING DIAM. 18X24X1.5	1	
32	296319807	SPRING DIAM 10	9	
	296303503	STEERABLE AXLE - REAR - COMER TYPE 068-865623	A/R	Incl. All Items In Fig. 4-7z01, 4-7z02, 4-7z03

COMPONENTS: GROUND DRIVE MOTOR

Fig 04-07Z04



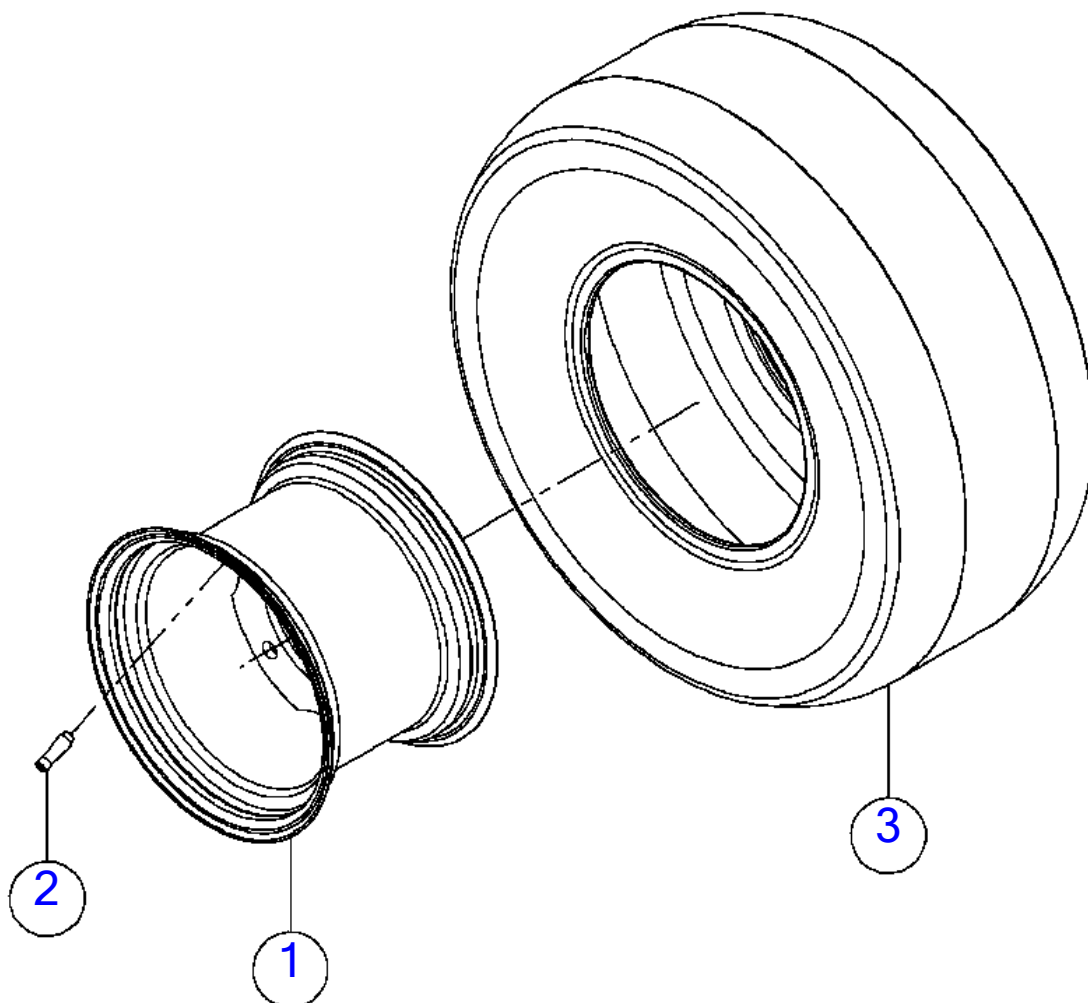
COMPONENTS: GROUND DRIVE MOTOR**Fig 04-07Z04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368327	O-RING-1.78X9.25/ 12-0121 90SH	2	
2	296368328	O-RING-2.62X113.97/ 12-1571 70SH	1	
3	296368329	O-RING-2.4X15.3/ 16-2061 70SH	2	
4	296368330	O-RING-2.62X10.77/ 12-1111 90SH	2	
5	296368331	SNAP RING SEEGER I40 UNI 7437	1	
6	296368332	PISTON BLOCK WASHER	2	
7	296319927	SPRING CODE 35	1	
8	296368333	PISTON D17 MOTOR BLOCK	1	
9	296368334	NEEDLE D3X27.8	3	
10	296332211	HALF SPHERE ROTATING	1	
11	296368335	RETAINING PISTON RING	1	
12	296368336	PISTON AND SLIPPER PAD GROUP	9	
13	296368337	MOTOR SHAFT	1	
14	296368338	SEAL O-RING 1.78X7.65	2	
15	296368339	SOCKET HEAD-7/8" UNF PLUG W/O-RING	1	
16	296368340	PLUG W/SEAL-7/8" UNF PLASTIC	1	
17	296368341	BALL BEARING 6306	1	
18	296368342	SNAP RING SEEGER E30 UNI 7435	1	
19	296368343	SUPPORT RING	1	
20	296368344	OIL SEAL 30X44X7/7.75	1	
21	296368345	SNAP RING SEEGER I72 UNI 7437	1	
22	296368346	SEAL O-RING 2.62X66.34	1	
23	296368347	*SPACER 10.5X4.7X3	2	
	296319859	HYDRAULIC MOTOR MV2B	A/R	Inc. All Items In The Figure

26 X 12 - 12 WHEEL

Fig 04-08

Illustration No. 29 6303509



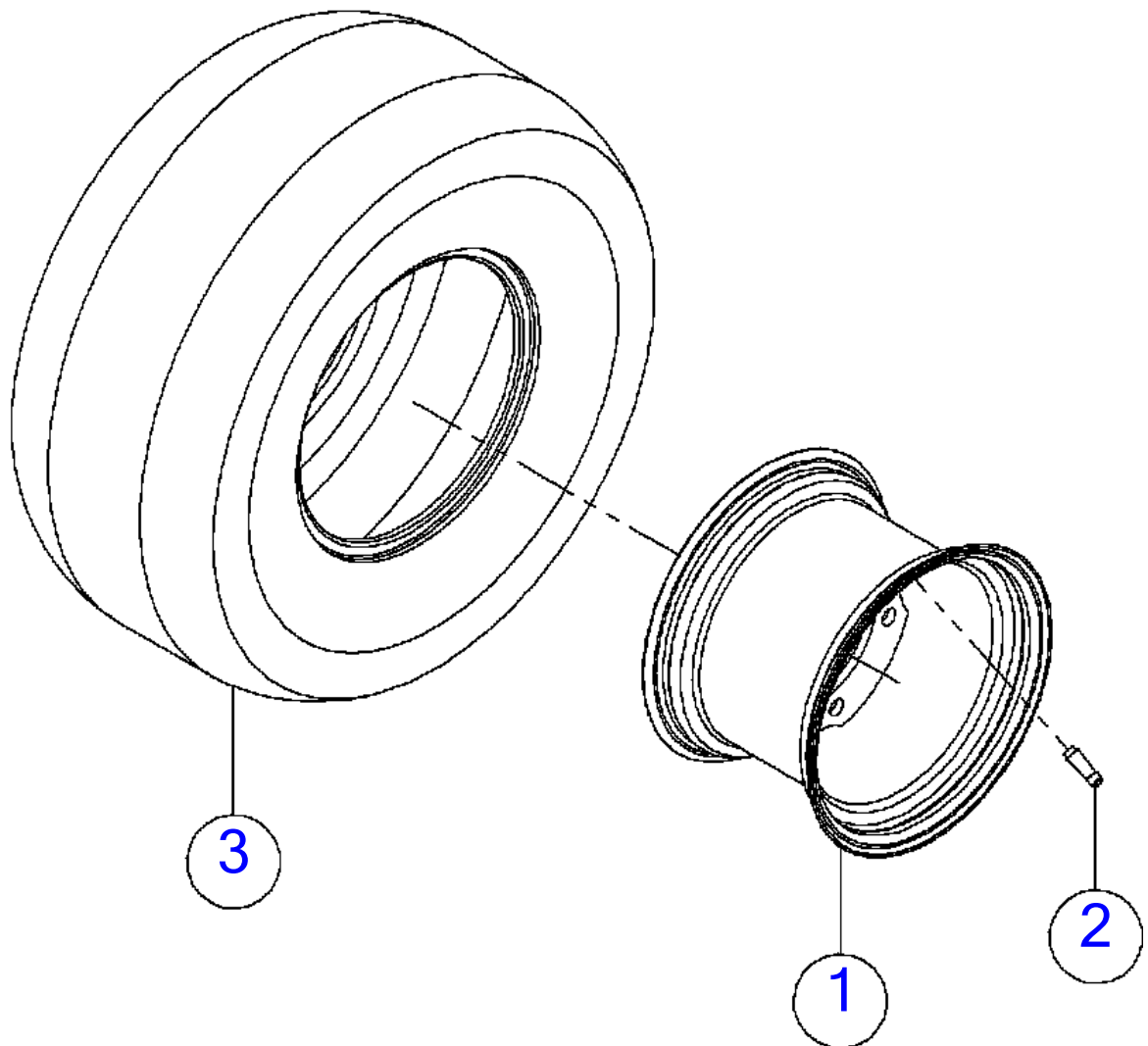
26 X 12 - 12 WHEEL**Fig 04-08**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303514	WHEEL RIM-2" OFFSET-PLANETARY AXLE	1	
2	2252001	STEM-TR413 DILL VALVE	1	
3	2273001	TIRE- 26.00X12.00X12 4 PLY	1	
		USED FOR BOTH LEFT & RIGHT ASSEMBLIES	A/R	

26 X 12 - 12 WHEEL (SUPERGRIP) / PLANETARY

Fig 04-09

Illustration No. 296303594



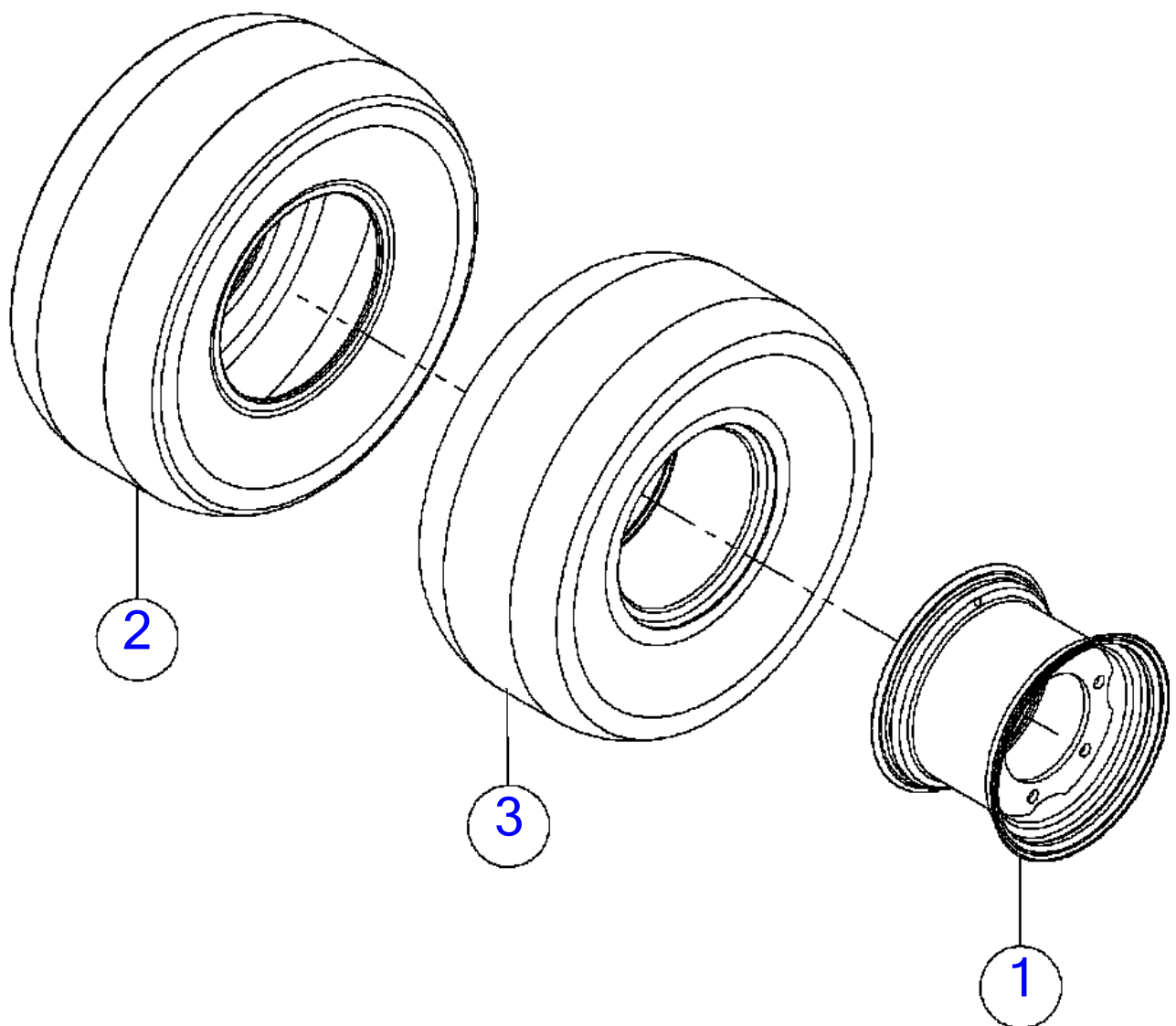
26 X 12 - 12 WHEEL (SUPERGRIP) / PLANETARY**Fig 04-09**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303514	WHEEL RIM-2" OFFSET-PLANETARY AXLE	1	
2	2252001	STEM-TR413 DILL VALVE	1	
3	216970001	TIRE-26X12-12 8 PR SUPER GRIP RIM GUARD	1	

26 X 12 - 12 WHEEL WITH TUBE / PLANETARY AXLE

Fig 04-10

Illustration No. 296303592



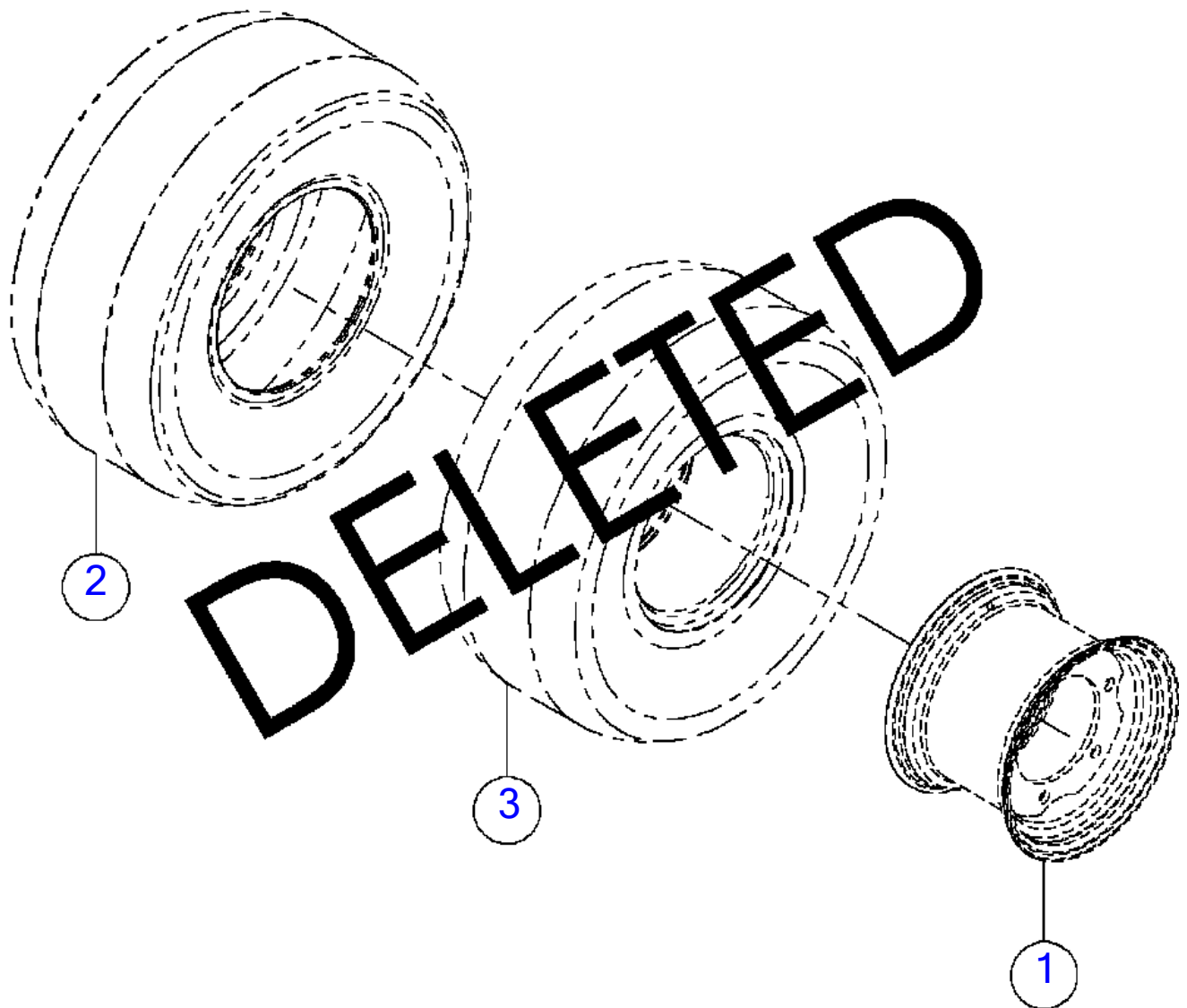
26 X 12 - 12 WHEEL WITH TUBE / PLANETARY AXLE**Fig 04-10**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303514	WHEEL RIM-2" OFFSET-PLANETARY AXLE	1	
2	2273001	TIRE- 26.00X12.00X12 4 PLY	1	
3	63589001	TUBE-26.00X12.00-12 4PLY TIRE	1	
		USED FOR LEFT & RIGHT ASSEMBLIES	A/R	

26 X 12 - 12 WHEEL WITH TUBE & FLUID / PLANETARY AXLE (DELETED)

Fig 04-11

Illustration No. 296303598



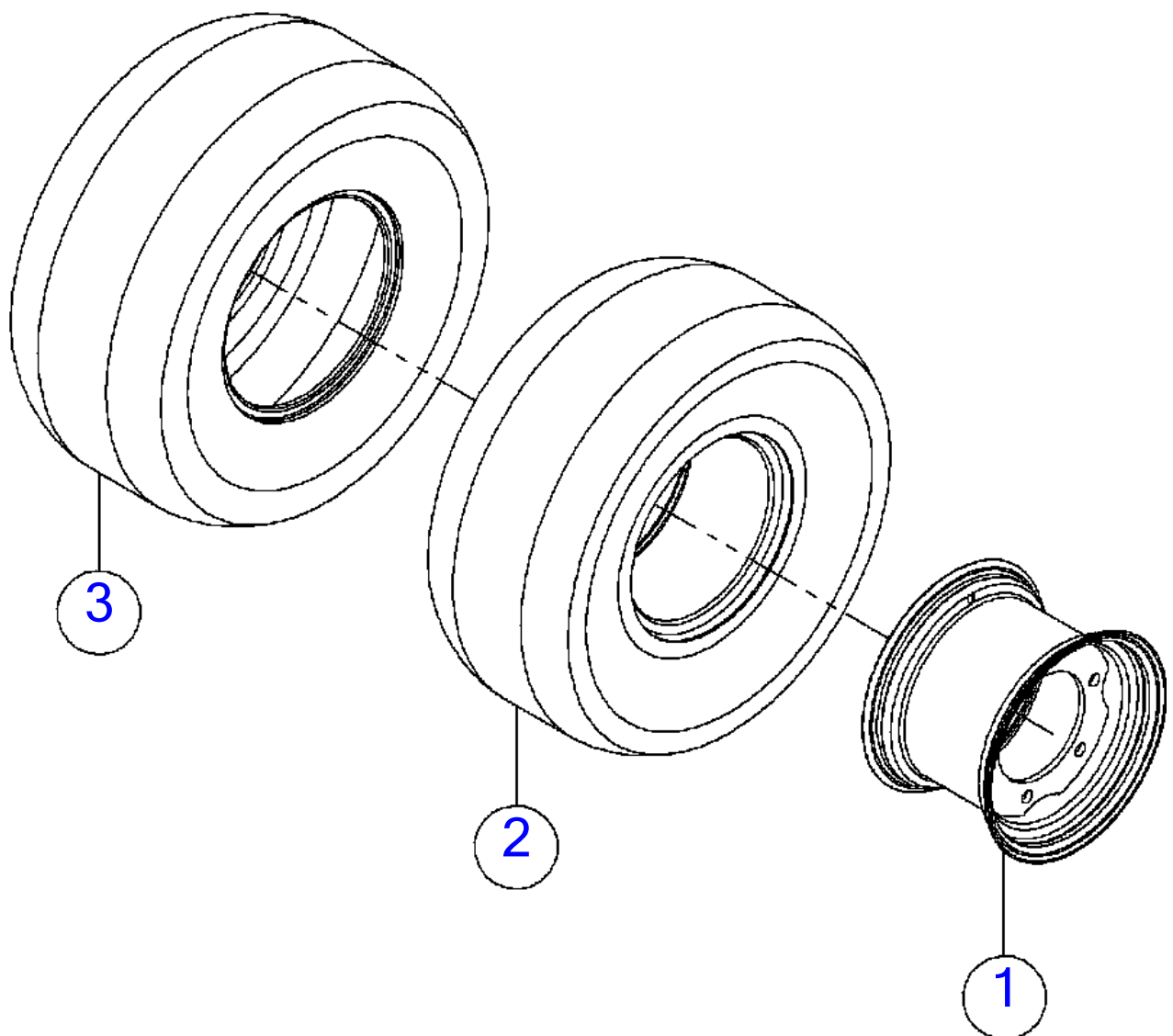
26 X 12 - 12 WHEEL WITH TUBE & FLUID / PLANETARY AXLE (DELETED)

Fig 04-11

26 X 12 - 12 WHEEL (SUPERGRIP) W/ TUBE / PLANETARY

Fig 04-12

Illustration No. 296303596



26 X 12 - 12 WHEEL (SUPERGRIP) W/ TUBE / PLANETARY**Fig 04-12**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303514	WHEEL RIM-2" OFFSET-PLANETARY AXLE	1	
2	63589001	TUBE-26.00X12.00-12 4PLY TIRE	1	
3	216970001	TIRE-26X12-12 8 PR SUPER GRIP RIM GUARD	1	
		USED FOR BOTH LEFT & RIGHT ASSEMBLIES	A/R	

26 X 12 - 12 WHEEL (SUPERGRIP) W/ TUBE & FLUID / PLANETARY (DELETED)

Fig 04-13

Illustration No. 296303600

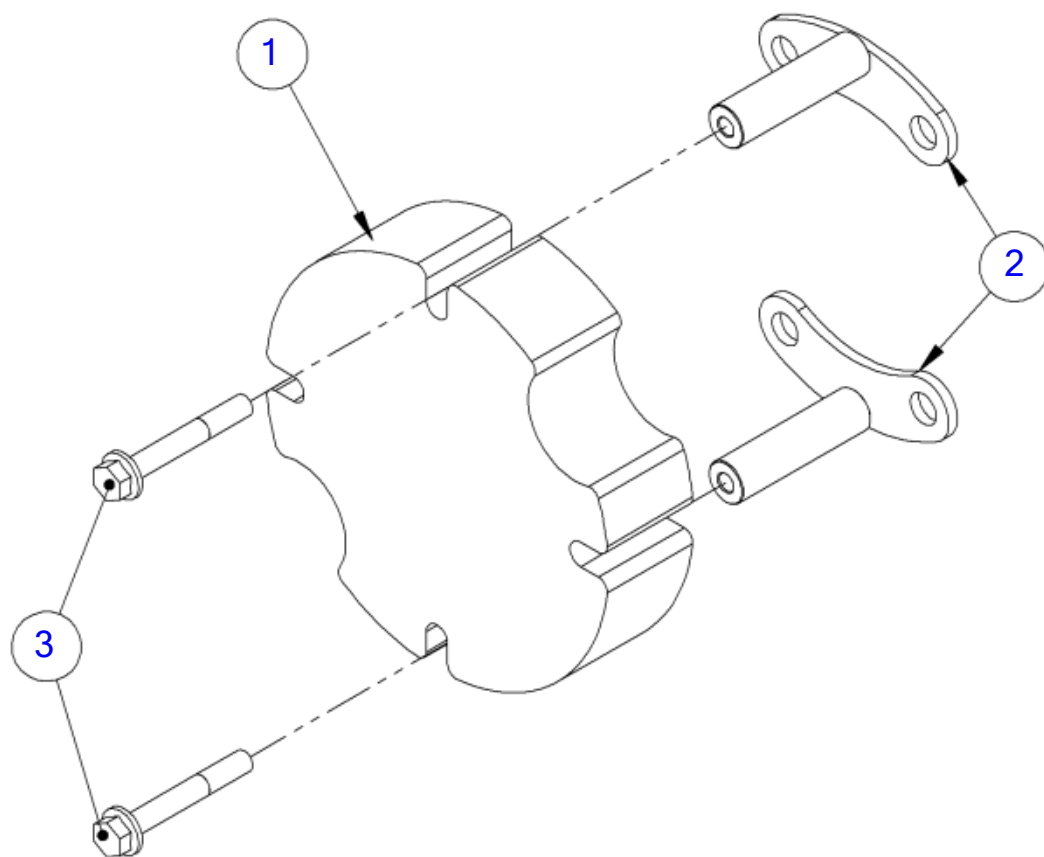


26 X 12 - 12 WHEEL (SUPERGRIP) W/ TUBE & FLUID / PLANETARY (DELETED)

Fig 04-13

KIT WHEEL WEIGHT (50 LBS. PER WHEEL)

Fig 04-14



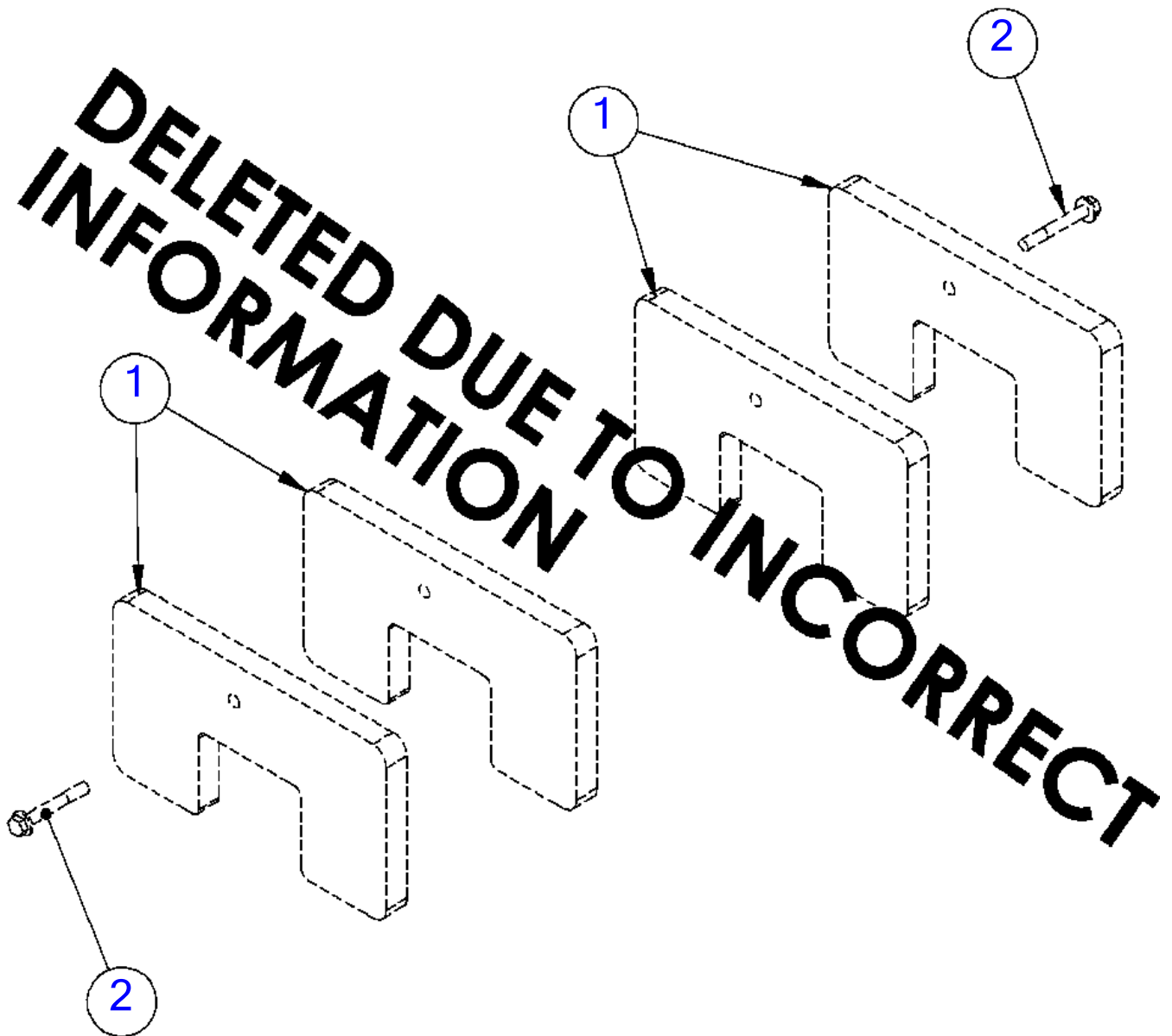
KIT WHEEL WEIGHT (50 LBS. PER WHEEL)**Fig 04-14**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	204840001	WEIGHT-WHEEL	1	
2	296303584	WHEEL MOUNT BRACKET	2	
3	296300797	SCREW-HFS-.50-13X3.50-GR8-YZ	2	

REAR MOUNT 300 LBS. WEIGHT KIT / PLANETARY AXLE (DELETED)

Fig 04-15

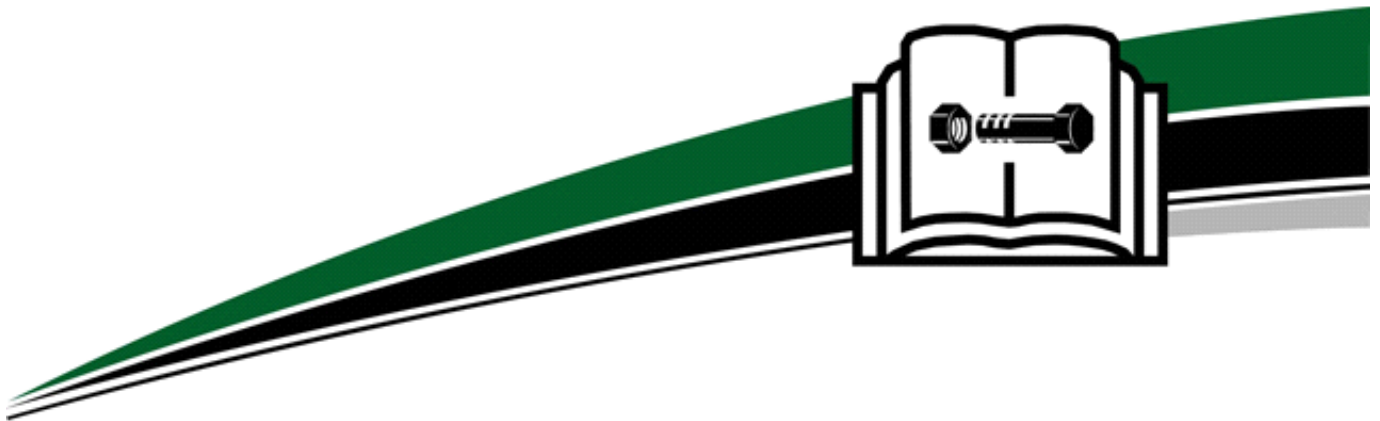
Illustration No. 296309800



REAR MOUNT 300 LBS. WEIGHT KIT / PLANETARY AXLE (DELETED)

Fig 04-15

HYDRAULICS



HYDRAULICS

HYDRAULIC DIAGRAM (LOW HEADSHAFT) (DELETED)	Fig	05-01
HYDRAULIC DIAGRAM (HIGH HEADSHAFT)	Fig	05-02
OIL TANK	Fig	05-03
OIL COOLER	Fig	05-04
TANDEM PUMP W/GEAR PUMP	Fig	05-05
COMPONENTS-TANDEM PUMP	Fig	05-05Z01
COMPONENTS-TANDEM PUMP	Fig	05-05Z02
COMPONENTS-TANDEM PUMP	Fig	05-05Z03
STEERING MOTOR	Fig	05-06
PRIORITY VALVE	Fig	05-07
COMPONENTS-FLOW PRIORITY VALVE	Fig	05-07Z01
OIL FILTER	Fig	05-08
GROUND DRIVE MOTOR (DELETED)	Fig	05-09
COMPONENTS-GROUND DRIVE MOTOR (DELETED)	Fig	05-09Z01
STEERING CYLINDER (DELETED)	Fig	05-10
COMPONENTS-STEERING CYLINDER (DELETED)	Fig	05-10Z01
CHECK VALVE	Fig	05-11
COLD START-HYD BY PASS	Fig	05-12
COMPONENTS-BY-PASS VALVE	Fig	05-12Z01
3 SPOOL CONTROL VALVE - BLADE - 4 WAY	Fig	05-13
VALVE - 3 SPOOL	Fig	05-13Z01
4 SPOOL VALVE - BLADE - 4 WAY / 6 WAY	Fig	05-14
VALVE - 4 SPOOL	Fig	05-14Z01
5 SPOOL VALVE - BLADE - 4 WAY / 6 WAY	Fig	05-15
VALVE - 5 SPOOL	Fig	05-15Z01
6 SPOOL VALVE - BLADE - 4 WAY / 6 WAY	Fig	05-16
VALVE - 6 SPOOL	Fig	05-16Z01
7 SPOOL VALVE - BLADE - 4 WAY / 6 WAY	Fig	05-17
VALVE - 7 SPOOL	Fig	05-17Z01
8 SPOOL VALVE - BLADE - 4 WAY / 6 WAY	Fig	05-18
VALVE - 8 SPOOL	Fig	05-18Z01
COMPONENTS-WORK SECTION - RELIEF	Fig	05-19
COMPONENTS-WORK SECTION	Fig	05-20
COMPONENTS-WORK SECTION - LOCKOUT	Fig	05-21
COMPONENTS-WORK SECTION - STANDARD	Fig	05-22
COMPONENTS-INLET SECTION COVER	Fig	05-23
COMPONENTS-OUTLET SECTION COVER	Fig	05-24
CONTROL VALVE LEVER	Fig	05-25
COMPONENTS-JOYSTICK	Fig	05-26

Fig 05-01

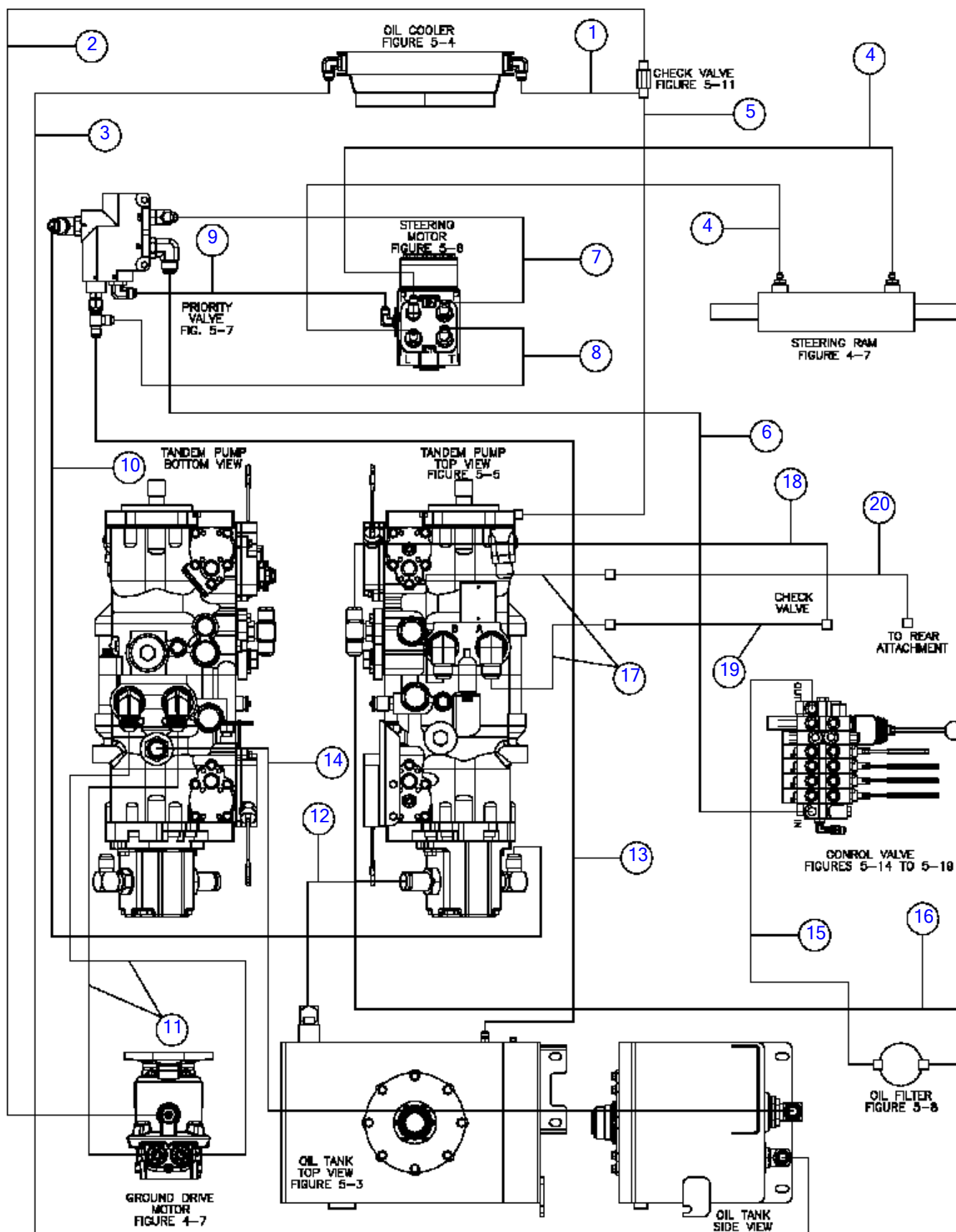


HYDRAULIC DIAGRAM (LOW HEADSHAFT) (DELETED)

Fig 05-01

HYDRAULIC DIAGRAM (HIGH HEADSHAFT)

Fig 05-02



HYDRAULIC DIAGRAM (HIGH HEADSHAFT)

Fig 05-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	53845535	HOSE-3/4X38 12FS JIC ST/90 3000 PSI	1	
2	260841001	HOSE-HYD-.38X28-6FSJ-ST/90-3000PSI-100R17-M3KMTF	1	
3	53845375	HOSE-3/4X80 12FS JIC 3000 PSI	1	
4	53843689	HOSE-1/4X70 4FS JIC 3000 PSI	2	
5	230714001	HOSE-3/4X19 12FSJIC ST/45	1	For VP450
5	252279001	HOSE-3/4X28 12FS ST/45 4000PSI	1	For TR450, TRH450 & SO450
5	229769001	HOSE-3/4 X 59 12FS X 12 FS JIC 90 1250 PSI	1	For Use With Trencher Attachment
6	296295768	HOSE-HYD-.63X62-10FSJ-ST/45-3000PSI-100R17-M3KMTF	1	
7	243826001	HOSE-3/8 X 16 6FS (USE 57940565)	1	
8	57940235	HOSE-HYD-.38X19-6FSJ-ST/ST-3000PSI-100R2	1	
9	282833001	HOSE - 1/4 X 8.5 4FSJIC ST/ST M3K	1	
10	241964001	HOSE-HYD-.63X49-10FSJ-ST/90-3000PSI-M3KM	1	
10	239751001	HOSE-HYD-.63X66-10FSJ-ST/90-3000PSI-M3KM	1	For Backhoe Attachment
10	53842051	HOSE-5/8X44 10FS JIC (100R2)	1	For Backhoe Attachment
11	296309797	HOSE-HYD .625X58" 10FSJ ST/90 5000PSI	2	
12	253367001	HOSE - 1" X 9" L.P. FLEX	1	
13	260841001	HOSE-HYD-.38X28-6FSJ-ST/90-3000PSI-100R17-M3KMTF	1	
14	253368001	HOSE - 1" X 24" L.P. FLEX	1	
15	296275097	HOSE-HYD-.50X18-8FSJ-ST/90-3500PSI-100R2	1	
15	502268001	HOSE-1/2"X78 8FS JIC 3000 PS	1	From Tank Port on Backhoe Valve
16	296295768	HOSE-HYD-.63X62-10FSJ-ST/45-3000PSI-100R17-M3KMTF	1	
17	256747001	*HOSE-HYD-3/4X13-12FSJIC-ST/45-5000PSI	2	
18		SEE ATTACHMENT PARTS MANUAL FOR TUBE PART NUMBERS	A/R	
19		SEE ATTACHMENT PARTS MANUAL FOR TUBE PART NUMBERS	A/R	
20		SEE ATTACHMENT PARTS MANUAL FOR HOSE PART NUMBERS	A/R	

OIL TANK

Fig 05-03

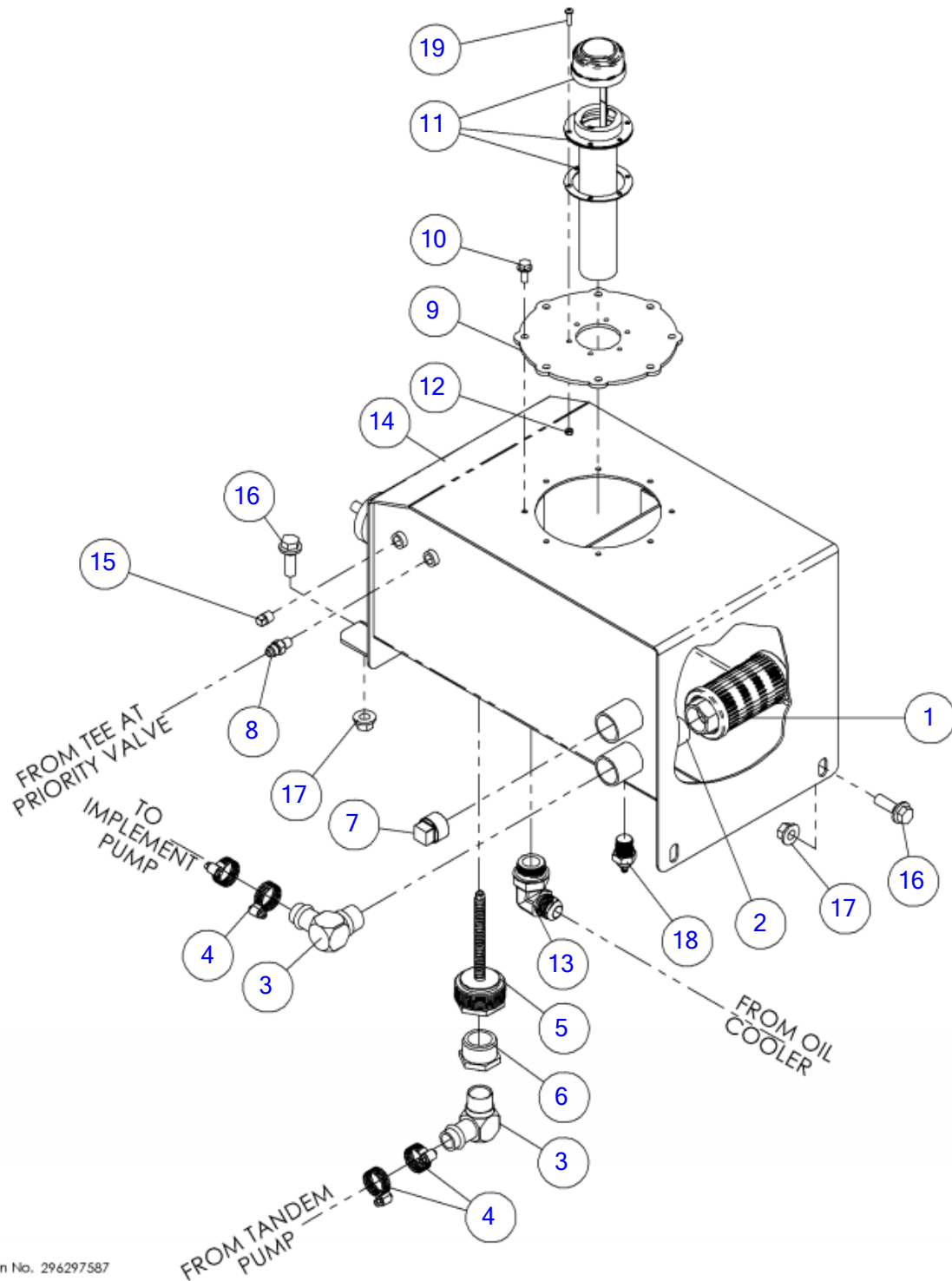


Illustration No. 296297587

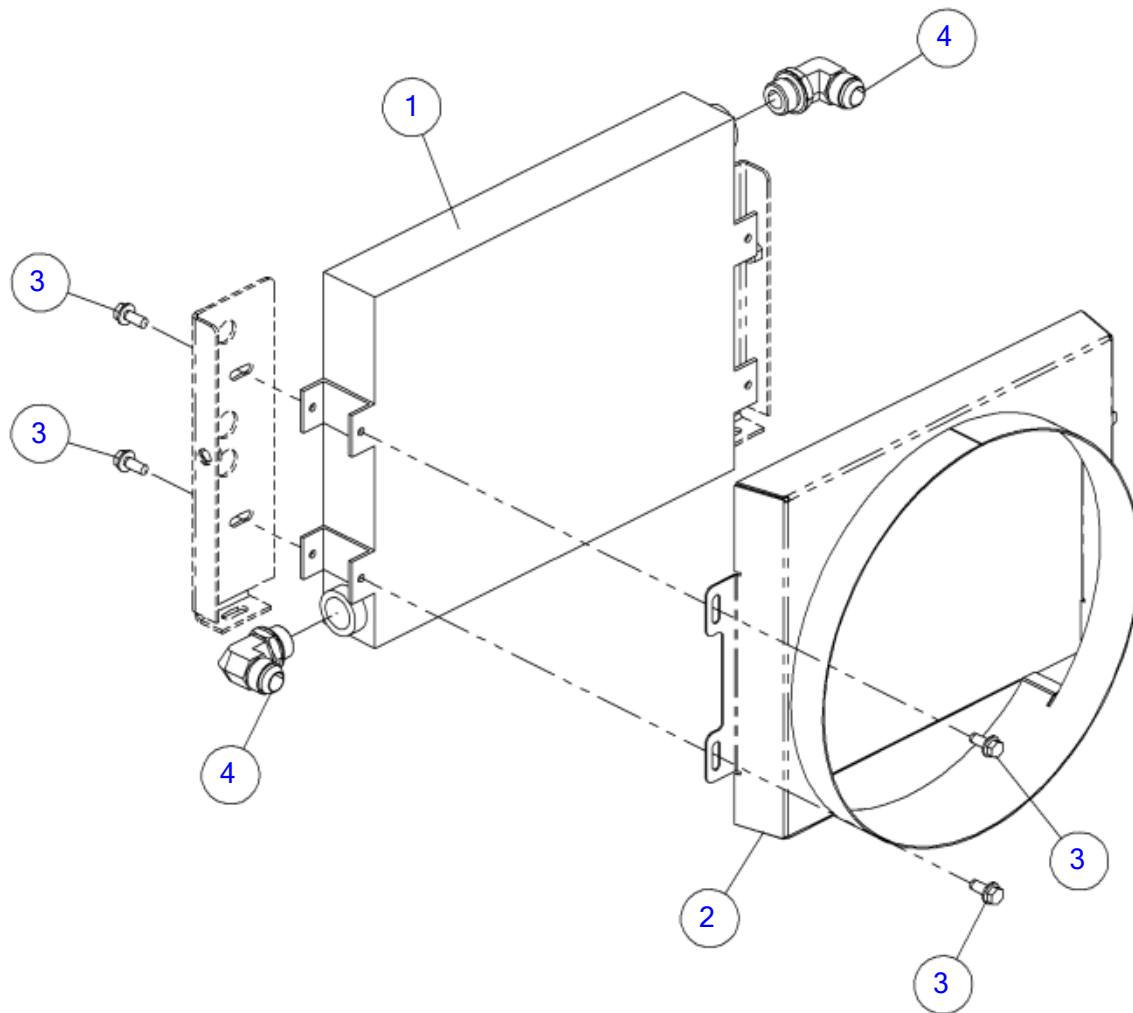
OIL TANK

Fig 05-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	16461001	STRAINER-SUMP	1	
2	736009	NIPPLE-1" CLOSE BLACK STEEL	1	
3	99707001	FITTING-1M NPTX1"HOSEBEAD90DEG	2	
4	1580005	HOSE CLAMP - 1"	4	
5	230704001	VALVE-25 PSI BYPASS	1	
6	730019	1 1/4" X 1" HEX BUSHING STEEL	1	
7	732011	PLUG-1" PIPE PLUG BLACK CAST IRON	1	
8	65562001	FITTING-1/4M X 6M JIC ST.	1	
9	200170001	COVER-HYD.RESERVOIR	1	
10	296300860	SCREW-HFS-.31-18X.75-GR8-YZ-PATCH	8	
11	210439001	DIPSTICK-MODIFIED	1	
12	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	6	
13	78057001	FITTING-90-12MJ-16MORBA	1	
14	233891001	TANK-HYD. OIL	1	
15	732003	PLUG-1/4" PIPE PLUG BLACK STEEL	1	
16	296300790	SCREW-HFS-.50-13X1.50-GR8-YZ	4	
17	296300851	NUT-HEXFLGTL-.50-13-G-YZ	4	
18	230628001	SWITCH-215 DEGREE F TEMP (N.O.	1	
19	242656001	SCREW-#10-24X3/4PAN HD PLT PHP	6	

OIL COOLER

Fig 05-04



OIL COOLER**Fig 05-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	255348001	OIL COOLER	1	
2	258641001	FAN SHROUD - OIL COOLER	1	
3	296300860	SCREW-HFS-.31-18X.75-GR8-YZ-PATCH	8	
4	59410001	FITTING-90-12MJ-12MORBA	2	

TANDEM PUMP W/GEAR PUMP

Fig 05-05

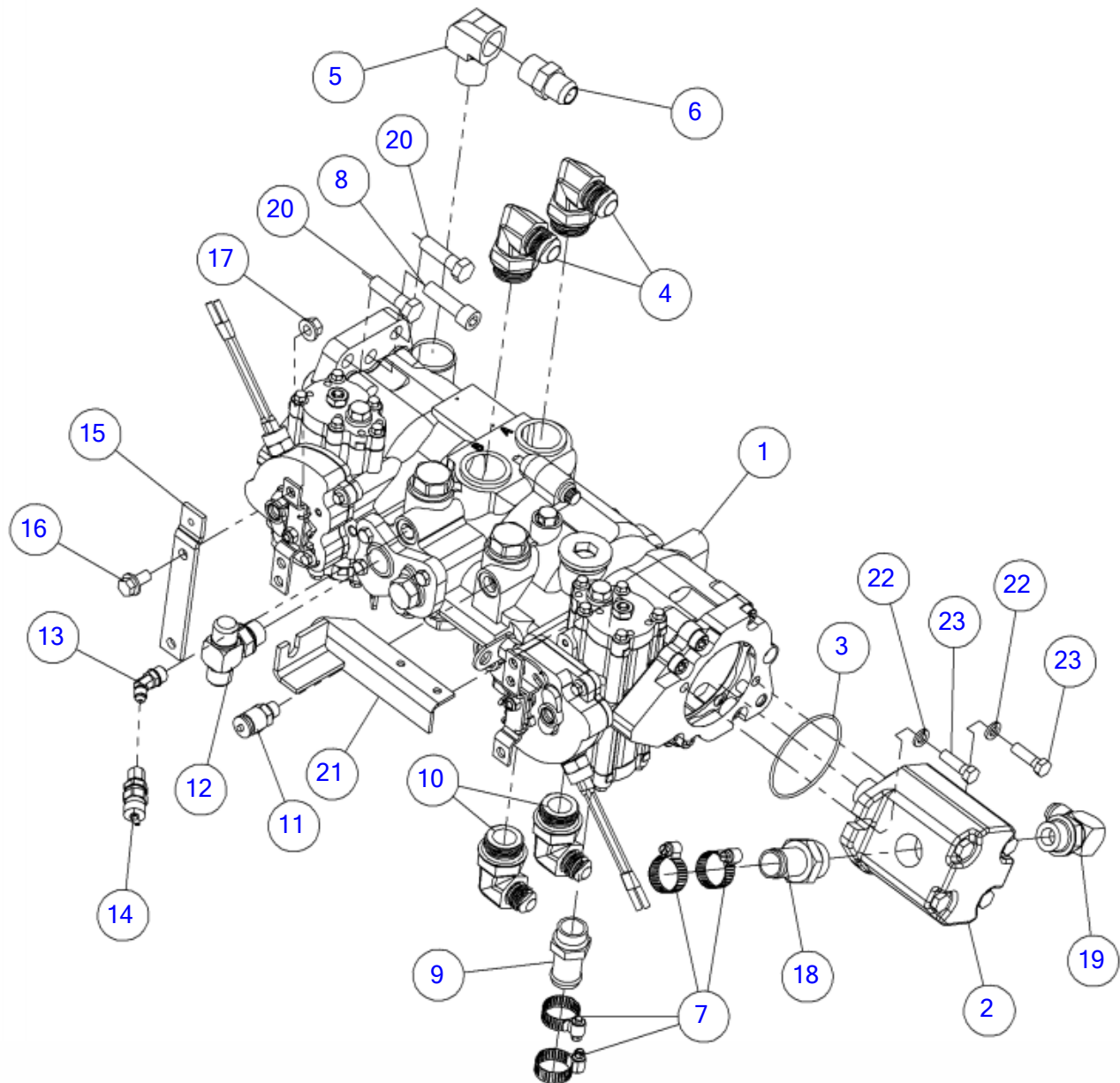


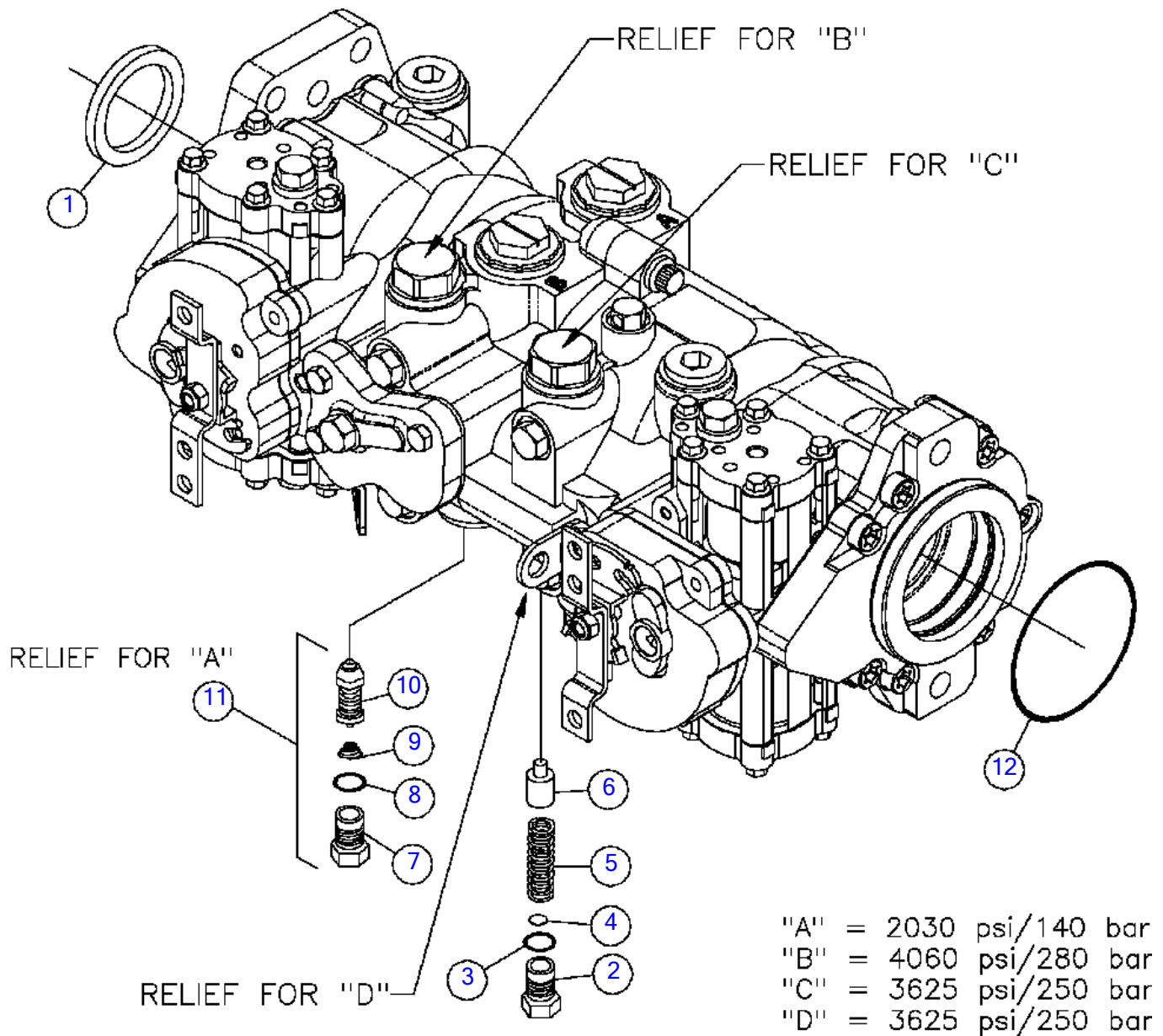
Illustration No. 296297588

TANDEM PUMP W/GEAR PUMP
Fig 05-05

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	241834001	PUMP-SUNDSTRAND TANDEM	1	Breakdown Fig. 5-4z01, 5-4z02, & 5-4z03
2	210493007	PUMP-HYDRAULIC GEAR	1	Inc. Following Shaft & Seal
2	210493015	SHAFT SEAL	1	
2	210493017	SEAL KIT	1	Inc. Shaft Seal
3	51165001	O-RING #152 (3 1/4X3 7/16X3/32)	1	
4	78057001	FITTING-90-12MJ-16MORBA	2	
5	125301001	FITTING-12MORX3/4F NPT 90	1	
6	53836001	FITTING-3/4M PIPE-#12M JIC ST.	1	
7	1580005	HOSE CLAMP - 1"	4	
8	243907001	SCREW-1/2 - 13X1 3/4 SHC ZP	2	
9	901887001	INSERT-12M X 1	1	
10	78064001	FITTING-16MX10M JIC 90 DEG.	2	
11	72056001	FITTING-TEST-6MORB-16MTP	1	
12	98947001	TEE-10M BCHX10MJICX10MJIC	1	
13	82931001	FITTING-45-4MJX6MORBA	1	
14	83015001	FITTING-4F JIC DIAGNOSTIC	1	
15	225806001	LEVER-TRENCHER PUMP CONTROL	1	
16	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	2	
17	296300850	NUT-HEXFLGTL-.38-16-G-YZ	2	
18	96709001	HOSE INSERT-16MX1 BEAD STR.	1	
19	59409001	ELBOW-10M JICX12M ADJ. 90 DEG	1	
20	358016	BOLT-1/2-13X1 3/4 GRADE #5 HEX	4	
21	225875001	MOUNT-PUMP CONTROL CABLE	1	
22	480007	WASHER-3/8 S/T LOCK	2	
23	354012	BOLT-3/8 - 16X 1 1/4" GR5 HEX	2	

COMPONENTS-TANDEM PUMP

Fig 05-05Z01

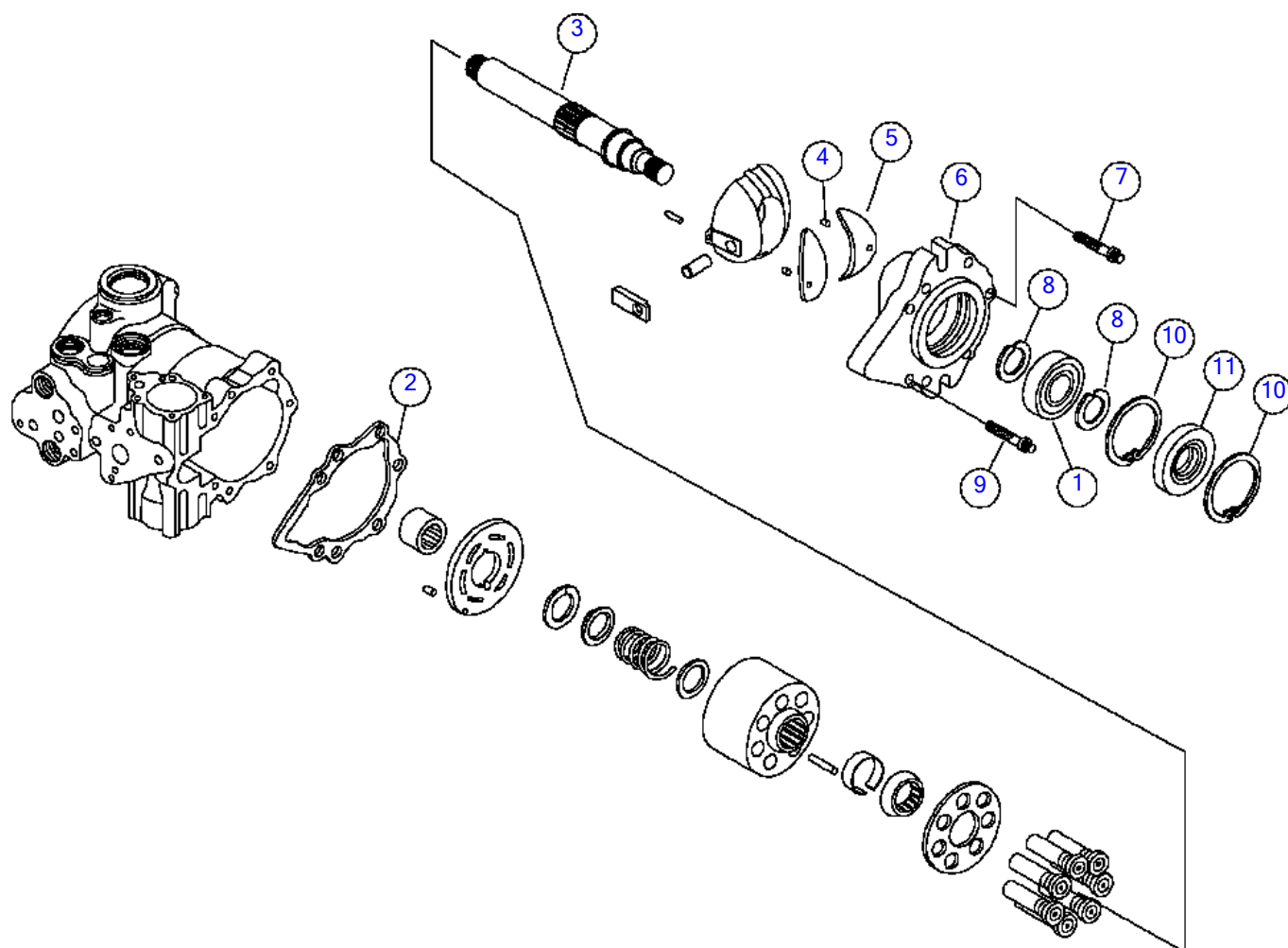


COMPONENTS-TANDEM PUMP**Fig 05-05Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	70027003	SEAL-LIP	1	
2	68859009	PLUG	1	
3	792029	ORING	1	
3	(68859011)	O-RING	1	
4	208182001	SHIM KIT	1	
5	68859013	SPRING	1	
6	113080029	CHARGE RELIEF VALVE	1	
6	(68859015)	VALVE-REL.	1	
7	208183001	PLUG-SPECIAL	4	
8	78518037	O-RING	4	
9	208184001	SPRING	4	
10	200770003	CHECK-HIGH PRESSURE	1	A Port
10	212518003	HIGH PRESS.RELIEF CHARGE CHECK	1	B Port
10	212518005	HIGH PRESS.RELIEF CHARGE CHECK	2	C & D Ports
11	200770005	RELIEF VALVE KIT	2	A Port
11	212518007	HI-PRESS.RELIEF CHARGE CHK.KIT	2	B Port
11	212518009	HI-PRESS.RELIEF CHARGE CHK KIT	2	C & D Ports
12	51165001	O-RING #152 (3 1/4X3 7/16X3/32)	1	
	241834003	PUMP-46 TANDEM W/O GEAR PUMP 6-BOLT	A/R	
	(224907003)	PUMP-46 TANDEM W/O GEAR PUMP	A/R	
	241834001	PUMP-SUNDSTRAND TANDEM	A/R	Incl. All Items In Fig. 5-5z01, 5-5z02, 5-5z03

COMPONENTS-TANDEM PUMP

Fig 05-05Z02

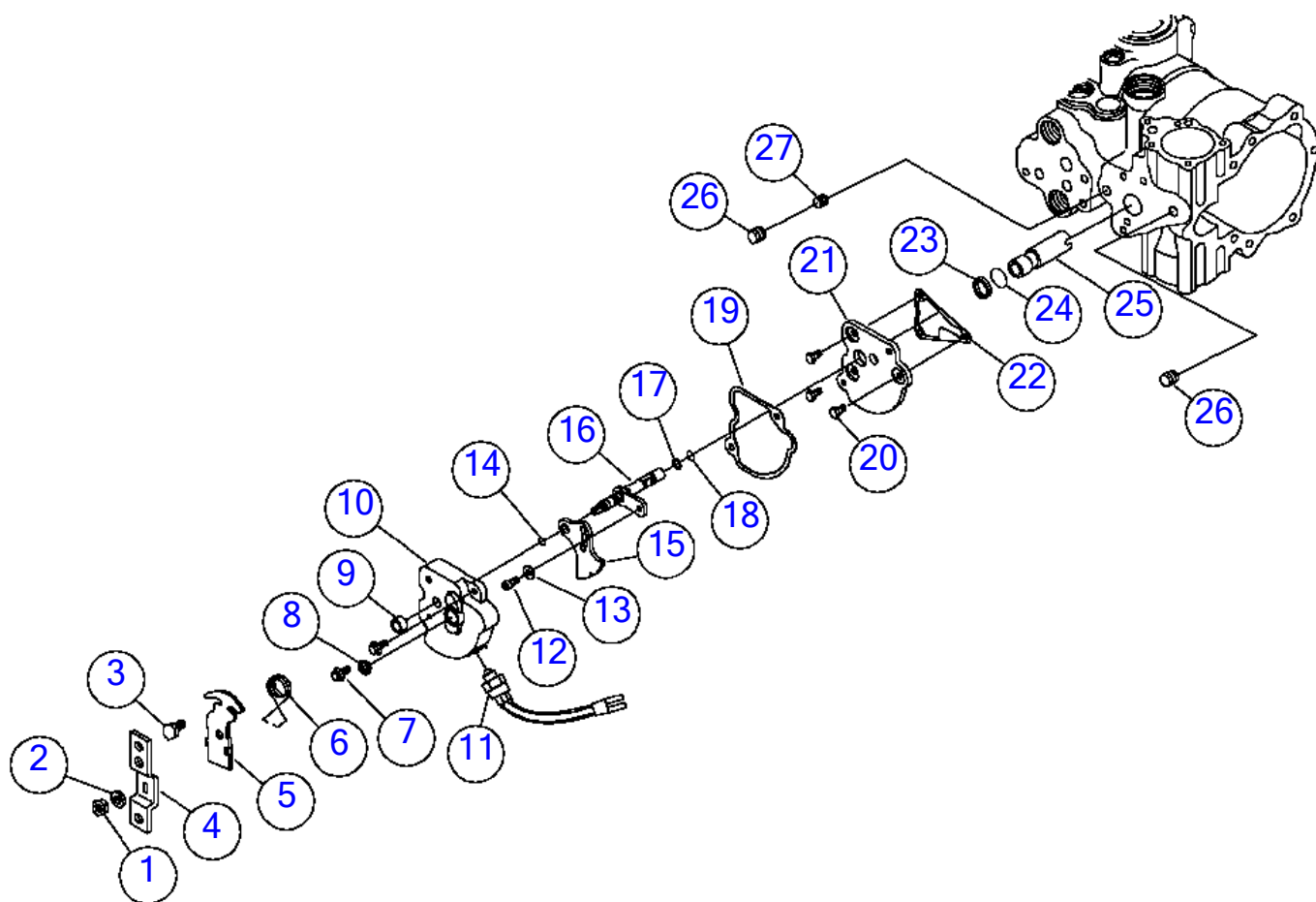


COMPONENTS-TANDEM PUMP**Fig 05-05Z02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	68859053	BEARING-BALL	1	
2	241836009	FRONT COVER GASKET	1	
3	241836015	PUMP SHAFT	1	
4	241836007	SPRING PIN	2	
5	241836017	JOURNAL BEARING	2	
6	241836011	FRONT COVER	1	
7	241836005	SCREW	1	
8	68859057	RING-RETAINING	2	
9	241836013	SCREW	6	
10	68859055	RING-RETAINING	2	
11	70027003	SEAL-LIP	1	
	241834001	PUMP-SUNDSTRAND TANDEM	A/R	Incl. All Items In Fig. 5-5z01, 5-5z02, 5-5z03
		Do Not Disassemble If In Warranty.	A/R	

COMPONENTS-TANDEM PUMP

Fig 05-05Z03



COMPONENTS-TANDEM PUMP

Fig 05-05Z03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	208181001	NUT-SPECIAL	1	
2	241836023	LOCK WASHER	1	
3	241836019	SCREW	1	
4	208180001	HANDLE-CONTROL	1	
5	70027031	BRACKET-NEUTRAL RETURN	1	
6	241836021	SPRING-NEUTRAL RETURN	1	
7	241836019	SCREW	2	
8	241836035	EXPANSION PLUG	1	
9	241836037	CONTROL SPRING SPACER	1	
10	241836027	NSS MOUNTING COVER	1	
11	210493013	SWITCH-NEUTRAL START	1	
12	241836025	SCREW	1	
13	485003	WASHER-1/4 FLAT	1	
13	(241836159)	WASHER	1	
14	4485011	O-RING-250003-903 (90D)	1	
15	241836161	NEUTRAL LOCATOR CAM	1	
16	241836175	VALVE SPOOL ASSEMBLY	1	
17	68859081	RING-BACK-UP	1	
18	1749025	SEAL-O RING 15007 (90D)	1	
18	(113080009)	BACK UP RING	1	
19	241836031	MOUNTING COVER GASKET	1	
20	350004	BOLT - 1/4-20X1/2 HHCS GR5 PLATED	3	
20	(241836165)	SCREW	3	
21	241836029	NSS MOUNTING PLATE	1	
22	241836169	GASKET-NSS MOUNTING PLATE	1	
23	70027019	BACK-UP RING	1	
24	93846001	O-RING-AS-016-C90 FOR#10ORS FIT	1	
25	241836171	SLEEVE-CONTROL	1	
26	78517011	PLUG	2	
27	241836039	ORFICE PLUG	1	
	241834001	PUMP-SUNDSTRAND TANDEM	A/R	Incl. All Items In Fig. 5-5z01, 5-5z02, 5-5z03

STEERING MOTOR

Fig 05-06

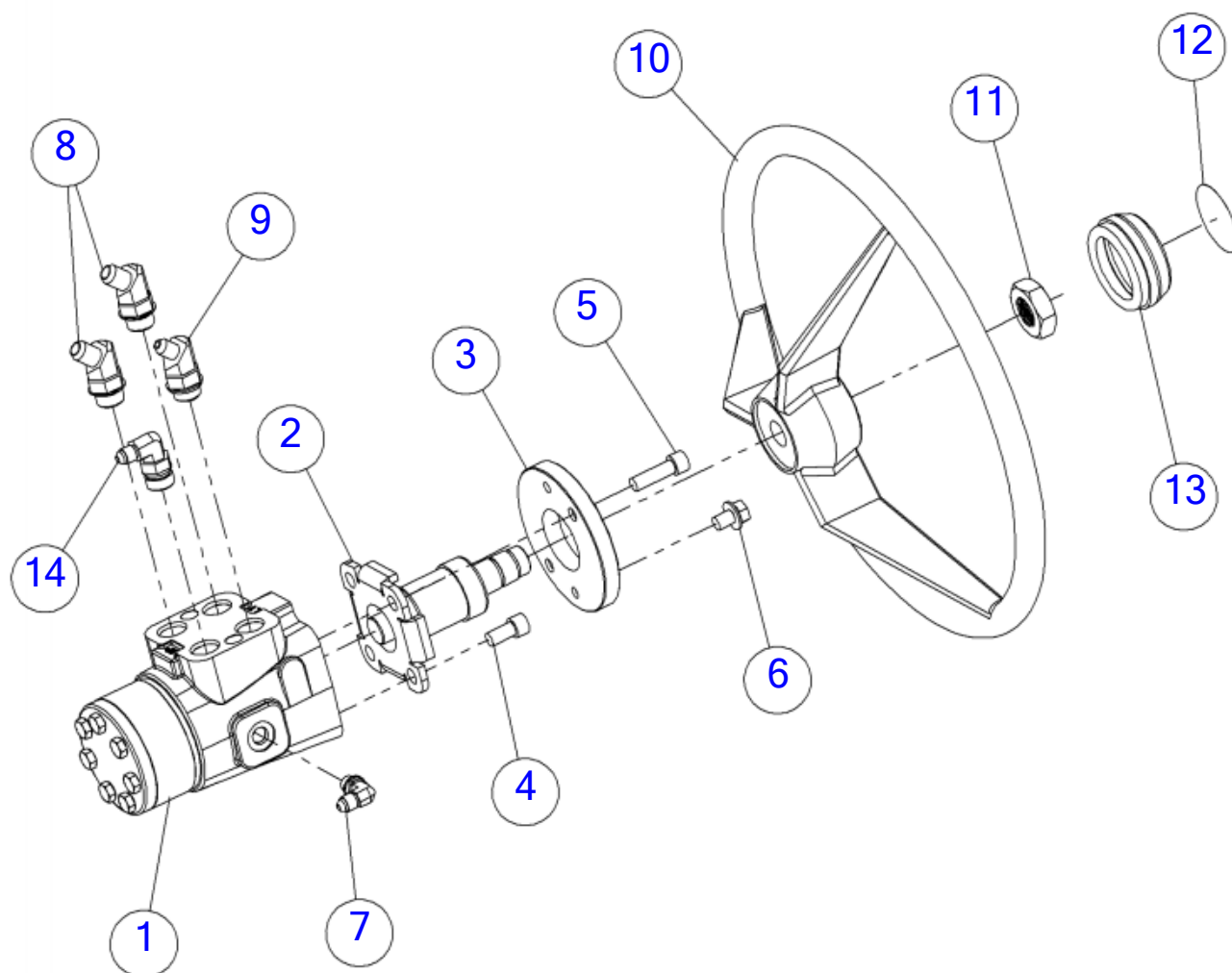


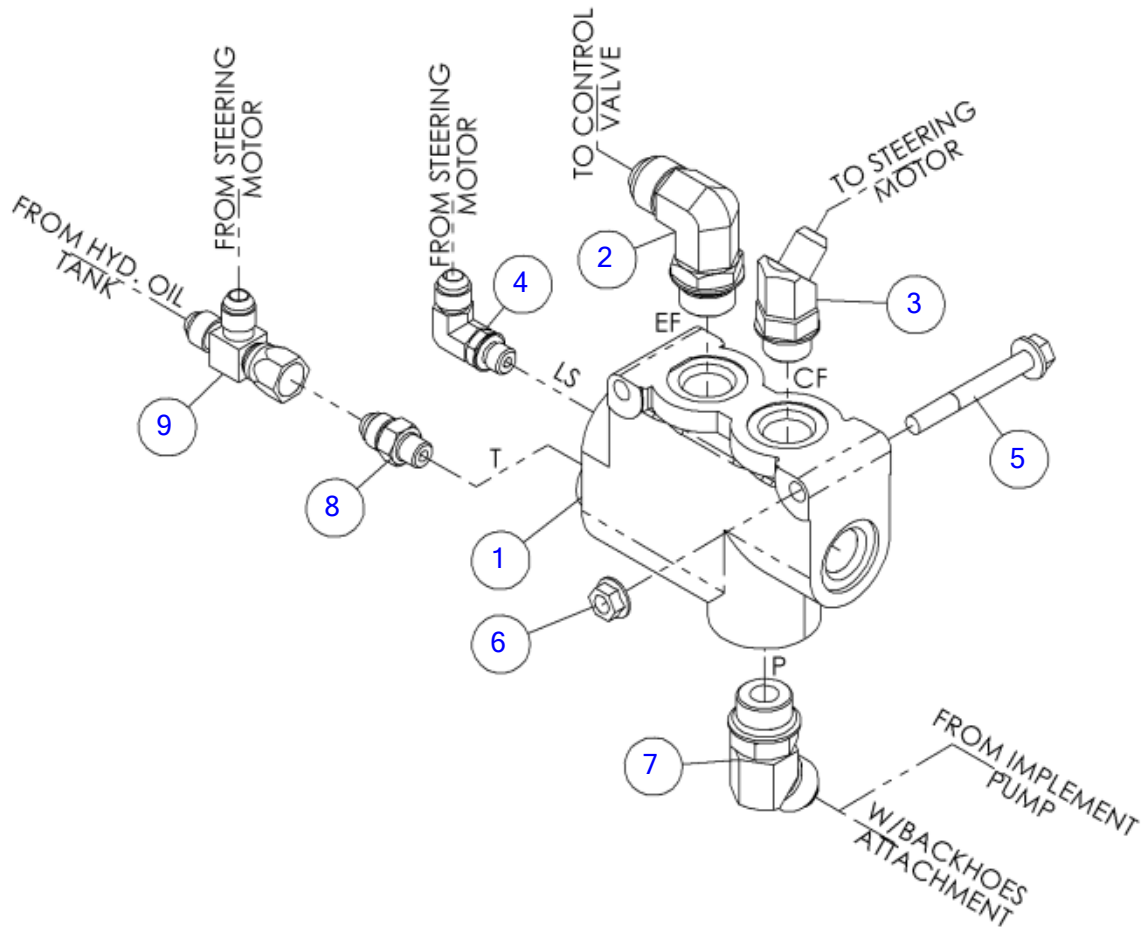
Illustration No. 296303644

STEERING MOTOR**Fig 05-06**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	265579001	UNIT - STEERING CONTROL	1	
1	1749007	SEAL	1	
2	777005	STEER. COLUMN-204-1002-007	1	
3	296303568	SPACER - STEERING MOTOR	1	
4	512006	3/8-16X3/4"SOCKET HEAD BOLT	2	
5	4478012	BOLT-3/8-16UNCX1 1/4 SOCK HD.	2	
6	4475004	BOLT-3/8-16X1/2" FLG. WHIZ	2	
7	59423001	FITTING-90-4MORBA-4MJ	1	
8	59425001	FITTING-6M JICX8M ADJ.45 ELBOW	2	
9	82932001	FITTING-8MX4M JIC 45DEG ELBOW	1	
10	10831001	STEERING WHEEL-75-022	1	
11	13989001	NUT-13/16-20 NEF JAM	1	
12	2326811	DECAL-STEERING WHEEL CAP	1	
13	61886001	CAP-STEERING WHEEL	1	
14	86671001	FITTING-8M ORING X4M JIC 90 EL	1	

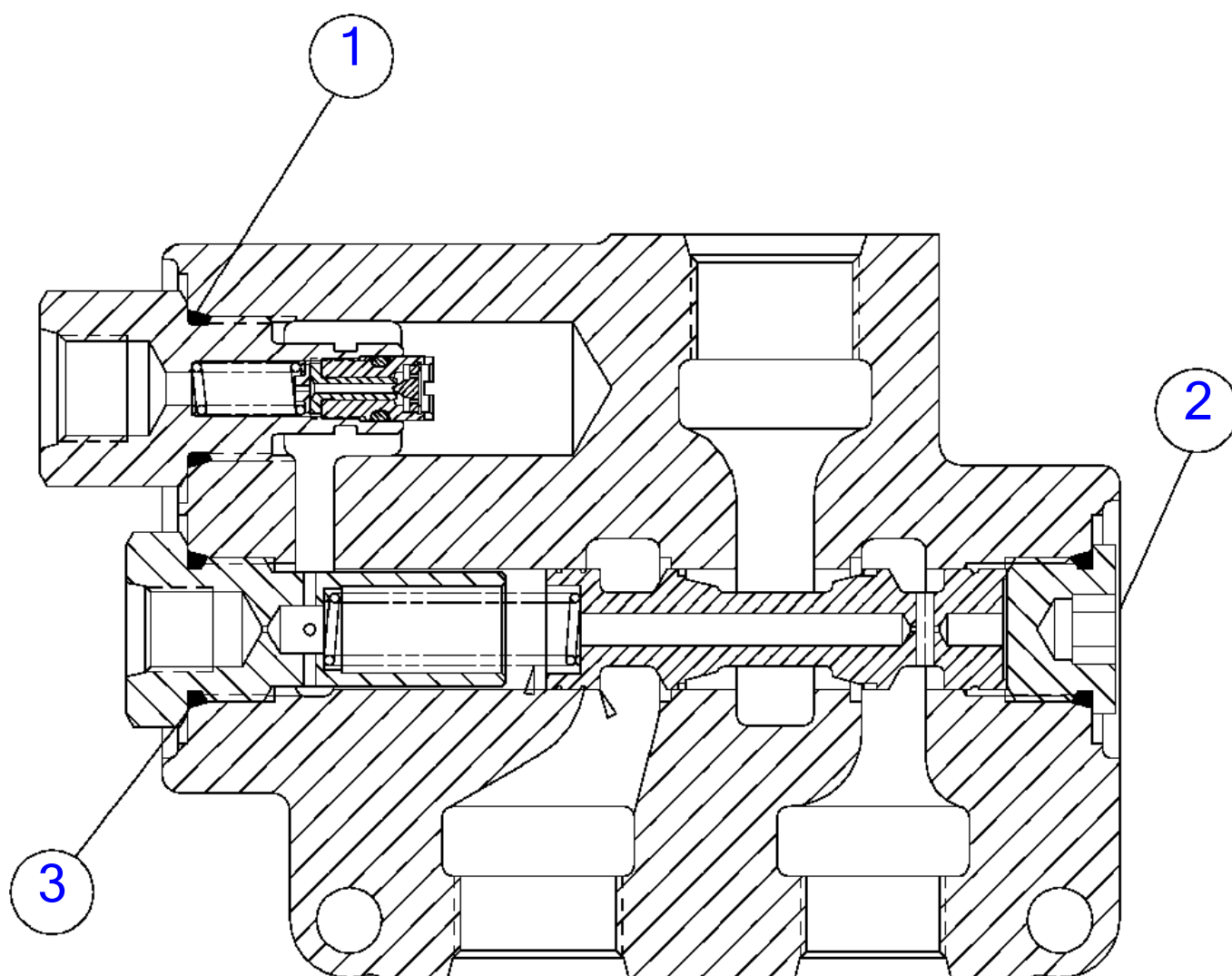
PRIORITY VALVE

Fig 05-07



PRIORITY VALVE**Fig 05-07**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	271855001	VALVE-PRIORITY -LOAD SENSE	1	Breakdown Fig. 5-7z01
2	53829001	FITTING-#10M O-RING-#10M JIC 90 DEG.	1	
3	59425001	FITTING-6M JICX8M ADJ.45 ELBOW	1	
4	60906001	FITTING-90-6MJ-4MORBA	1	
5	296300769	SCREW-HFS-.31-28X2.50-GR8-YZ	2	
6	296300893	NUT-HEXFLG-.31-18-GR8-YZ	2	
8	65569001	FITTING STR 6MJ - 4MORB	1	
9	59427001	TEE-6MJ-6FSJ-6MJ	1	
7	56725001	FITTING-10MX10M JIC 45 DEG.	1	
8	65569001	FITTING STR 6MJ - 4MORB	1	
9	59427001	TEE-6MJ-6FSJ-6MJ	1	

COMPONENTS-FLOW PRIORITY VALVE**Fig 05-07Z01**

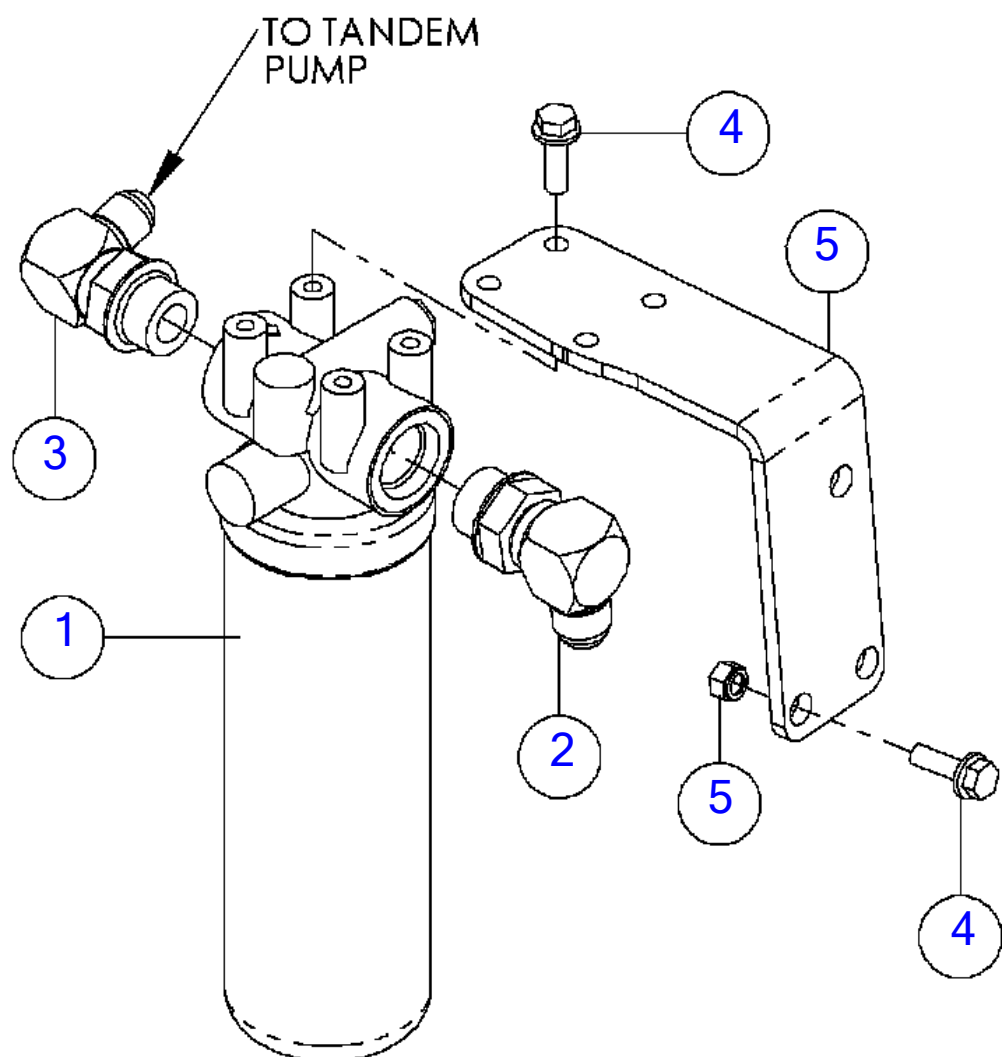
COMPONENTS-FLOW PRIORITY VALVE**Fig 05-07Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	267520001	O-RING	1	
2	267521001	PLUG ASSY W/O - RING	1	
3	223978049	O-RING	1	
	271855001	VALVE-PRIORITY -LOAD SENSE	A/R	Includes All Items in Figure

OIL FILTER

Fig 05-08

Illustration No. 296295769



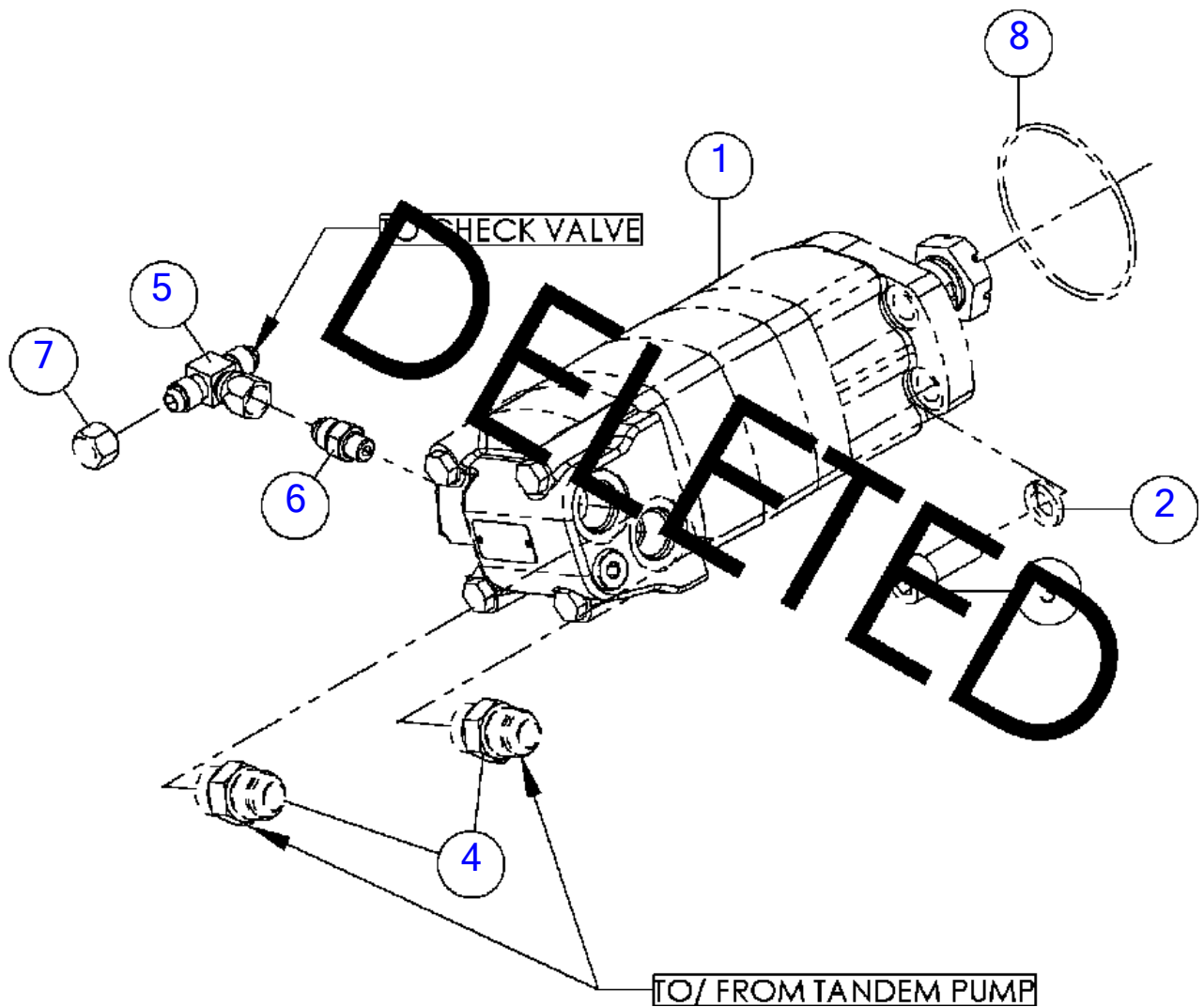
OIL FILTER**Fig 05-08**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296295770	ASSY -HYDRAULIC FILTER	1	Include The Following 2 Items:
1	163632183	HEAD-M3K NO BY-PASS P170327	1	
1	609136003	ELEMENT - 9.5" HYDRAULIC FILTER	1	
2	59409001	ELBOW-10M JICX12M ADJ. 90 DEG	1	
3	57949001	FITTING-12MX8M JIC 90 DEG. EL.	1	
4	296300763	SCREW-HFS-.31-18X1.00-GR8-YZ	7	
5	296295771	BRACKET - HYD OIL FILTER	1	

GROUND DRIVE MOTOR (DELETED)

Fig 05-09

Illustration No. 296297592

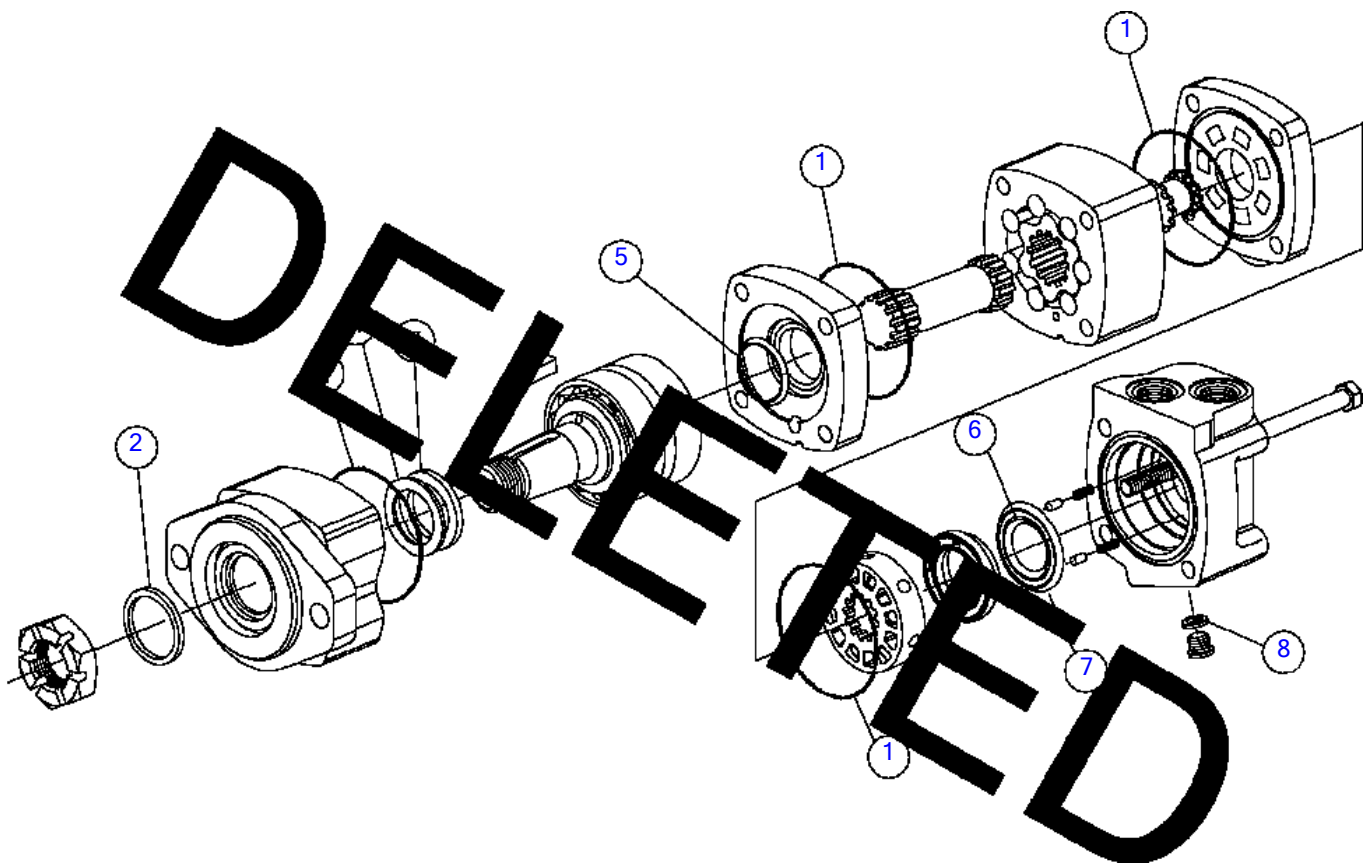


GROUND DRIVE MOTOR (DELETED)

Fig 05-09

COMPONENTS-GROUND DRIVE MOTOR (DELETED)

Fig 05-09Z01



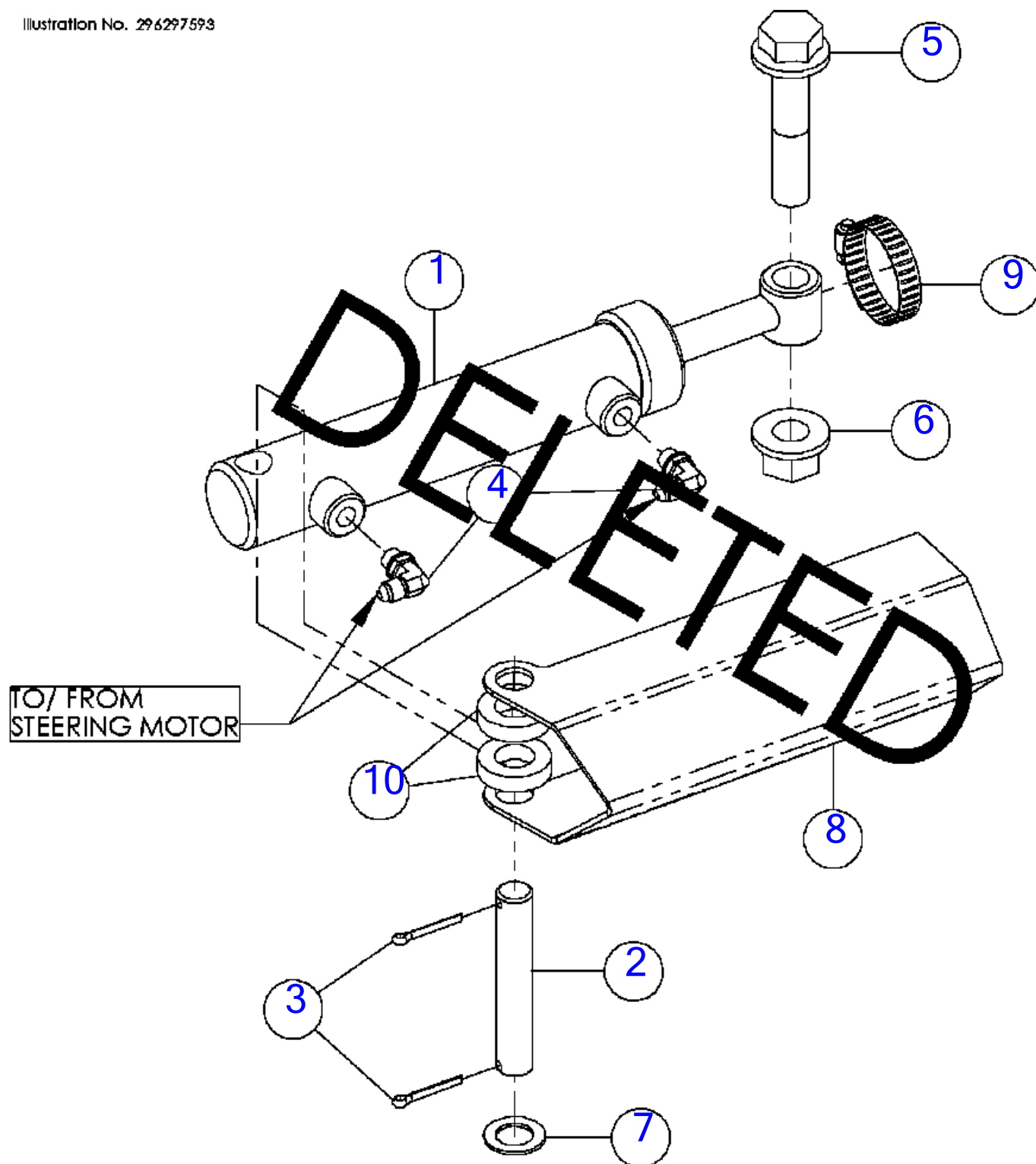
COMPONENTS-GROUND DRIVE MOTOR (DELETED)

Fig 05-09Z01

STEERING CYLINDER (DELETED)

Fig 05-10

Illustration No. 296297593

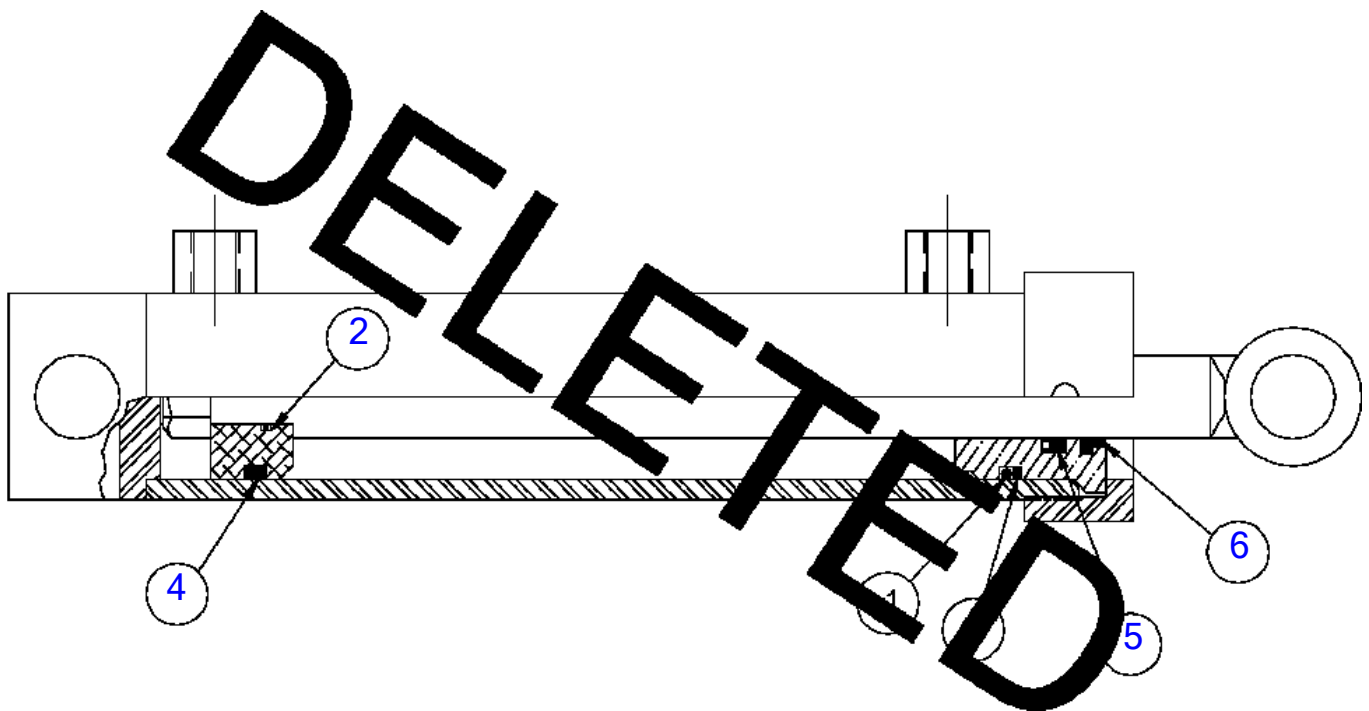


STEERING CYLINDER (DELETED)

Fig 05-10

COMPONENTS-STEERING CYLINDER (DELETED)

Fig 05-10Z01

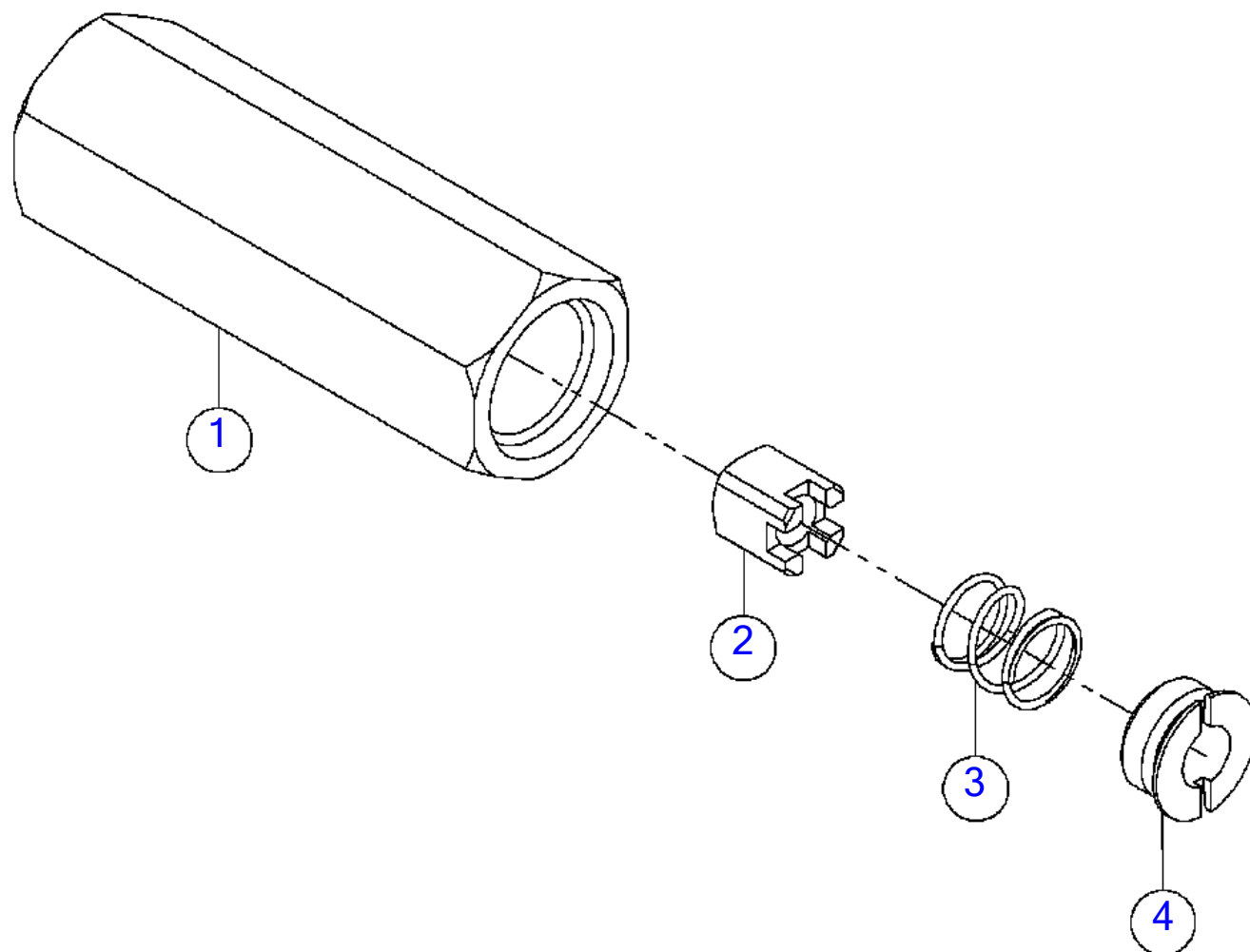


COMPONENTS-STEERING CYLINDER (DELETED)

Fig 05-10Z01

CHECK VALVE**Fig 05-11**

Illustration No. 216330001

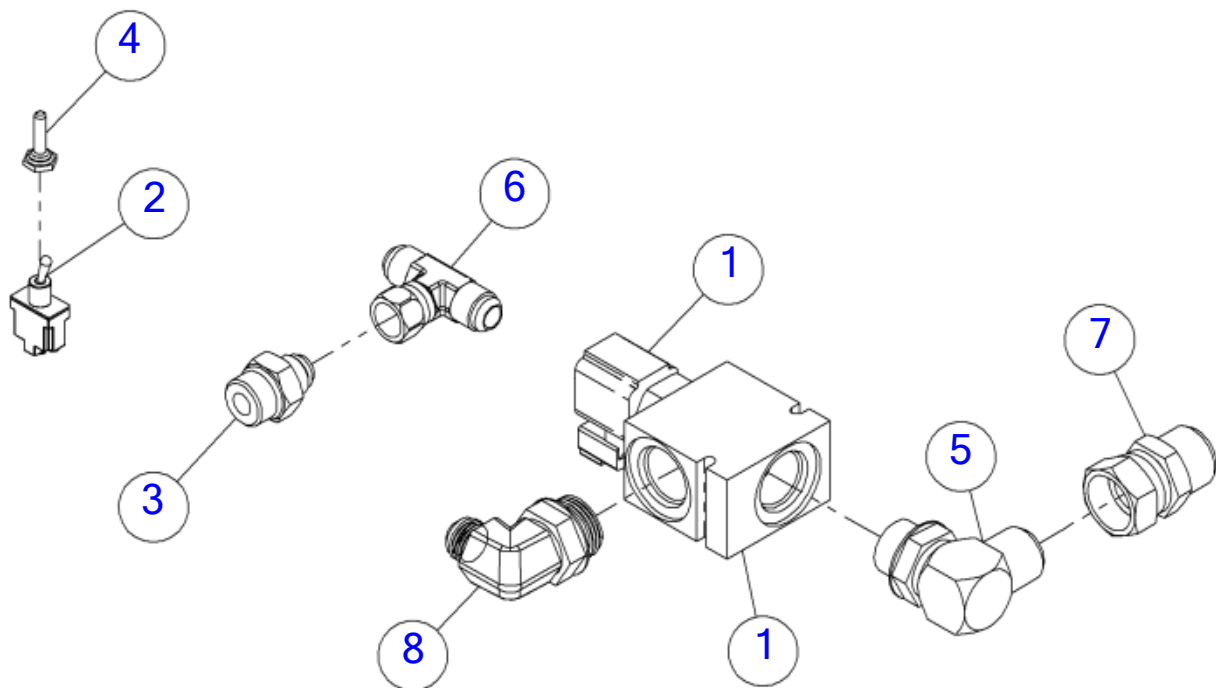


CHECK VALVE**Fig 05-11**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	210325001	BODY-CHECK VALVE @	1	
2	213023001	PLATE-RESTRICTOR	1	
3	204957001	SPRING-RESTRICTOR (MUSIC WIRE)	1	
4	213022001	PLUG-RESTRICTOR	1	
	216330001	CHECK VALVE ASSY	A/R	Include All Items In Figure.

COLD START-HYD BY PASS

Fig 05-12

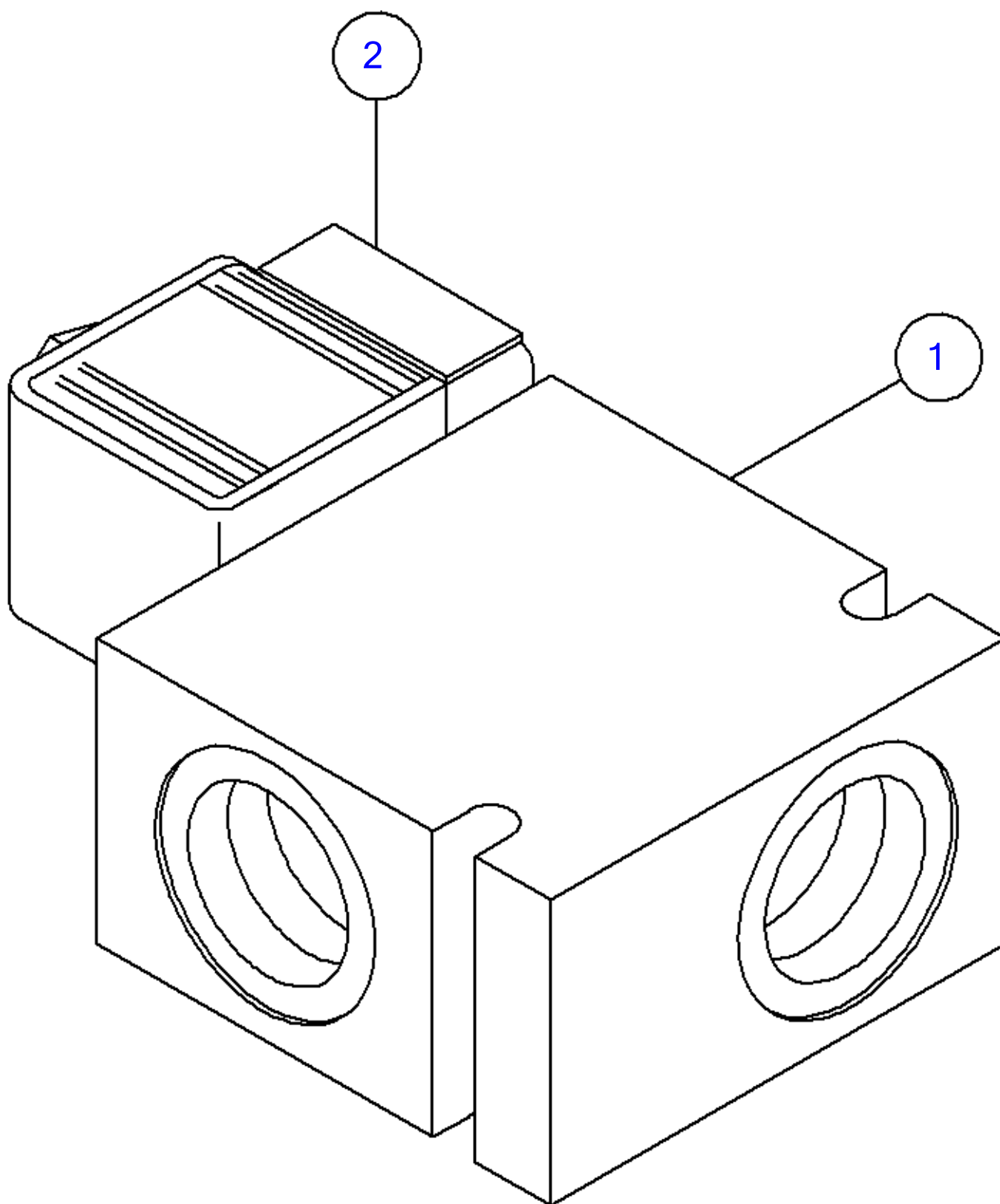


COLD START-HYD BY PASS**Fig 05-12**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296297560	VALVE - SOLENOID 2 POS/2 WAY - 5000PSI	1	Breakdown Fig. 5-12z01
2	214000001	SWITCH-TOGGLE SP ST MOM.	1	
3	53854001	FITTING-12M O-RING-10M JIC ST.	1	
4	5537001	COVER-TOGGLE SWITCH	1	
5	61703001	FITTING-90-16MJ-16MORBA	1	
6	65566001	TEE-10FS JIC BCHX10MJICX10MJIC	1	
7	77154001	FITTING-1"MX16FS JIC STR	1	
8	78064001	FITTING-16MX10M JIC 90 DEG.	1	

COMPONENTS-BY-PASS VALVE

Fig 05-12Z01



COMPONENTS-BY-PASS VALVE**Fig 05-12Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		VALVE BODY - STEEL	1	NOT SOLD SEPARATELY
2	274750001	12VDC DEUTSCH COIL	1	
2	296297561	CARTRIDGE - 2 POS/2WAY-5000SPI	1	
2	212950009	REPAIR KIT-VALVE	1	
	296297560	VALVE - SOLENOID 2 POS/2 WAY - 5000PSI	A/R	Includes All Items in Figure

Fig 05-13

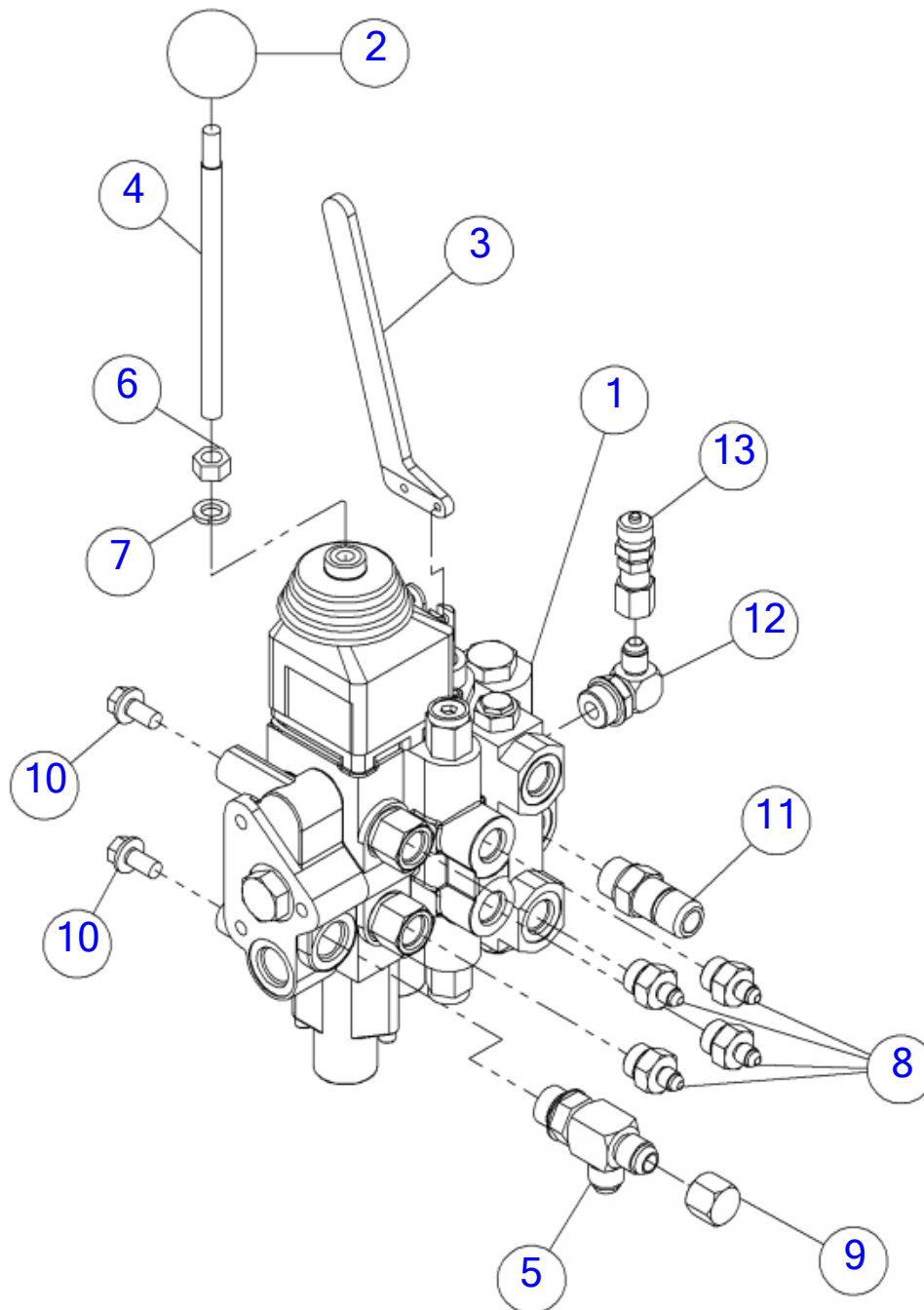


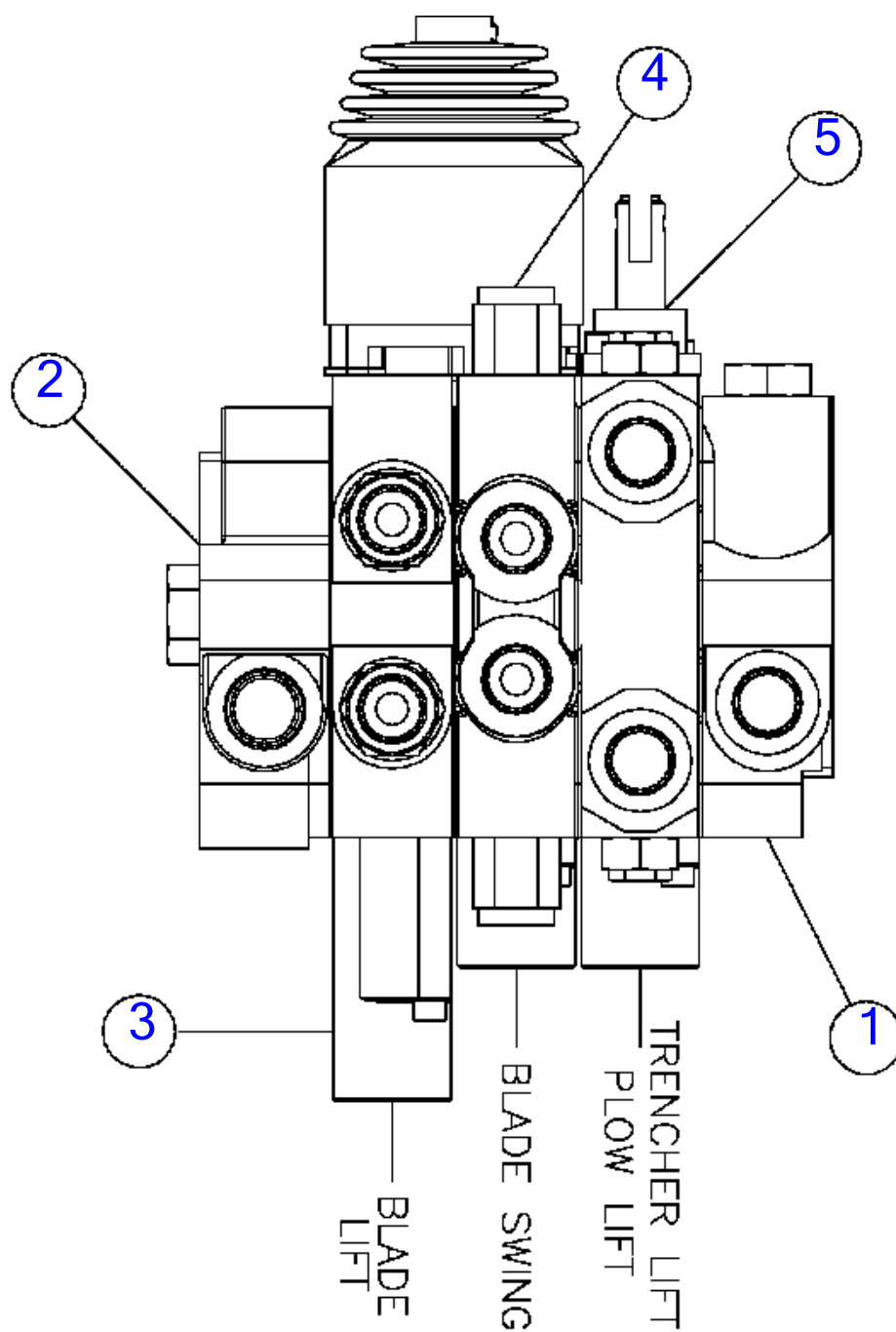
Illustration No. 269592001

3 SPOOL CONTROL VALVE - BLADE - 4 WAY**Fig 05-13**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269277001	VALVE ASSY - 3 SPOOL	1	Breakdown Fig. 5-13z01
2	201481001	KNOB-1 7/8 OD	1	
3	210495001	LEVER-BLADE LIFT	1	
4	220085001	HANDLE-JOYSTICK	1	
5	269590001	FITTING-RTEE-8MJ-10MORBA-8MJ	1	
6	448001	NUT-7/16 N.F. HEX	1	
7	480009	WASHER-7/16 S/T LOCK	1	
8	53657001	FITTING-8M OR X 4M JIC ST.	4	
9	59432001	CAP-8 JIC CAP NUT	1	
10	296300771	SCREW-HFS-..38-16X.75GR8-YZ	3	
11	125645001	FITTING-10M9'R X 10MJIC 2.41LG	1	
12	59401001	FITTING-6M JICX10M ADJ. 90 DEG.ELBOW	1	
13	296280278	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	
13	(130600001)	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	

VALVE - 3 SPOOL

Fig 05-13Z01



3 SPOOL — 4 WAY
BLADE

VALVE - 3 SPOOL**Fig 05-13Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Breakdown Figure 5-23
2	221477013	OUTLET SECTION	1	Breakdown Figure 5-24
3	218544005	WORK SECTION	1	Breakdown Figure 5-20
4	210455025	WORK SECTION-RELIEF	1	Breakdown Figure 5-19
5	210455023	WORK SECTION-LOCK OUT	1	Breakdown Figure 5-21
6	902299079	*KIT-3 SECTION TIE ROD	1	Not Shown
	269277001	VALVE ASSY - 3 SPOOL	A/R	Includes All Items in Figure

4 SPOOL VALVE - BLADE - 4 WAY / 6 WAY

Fig 05-14

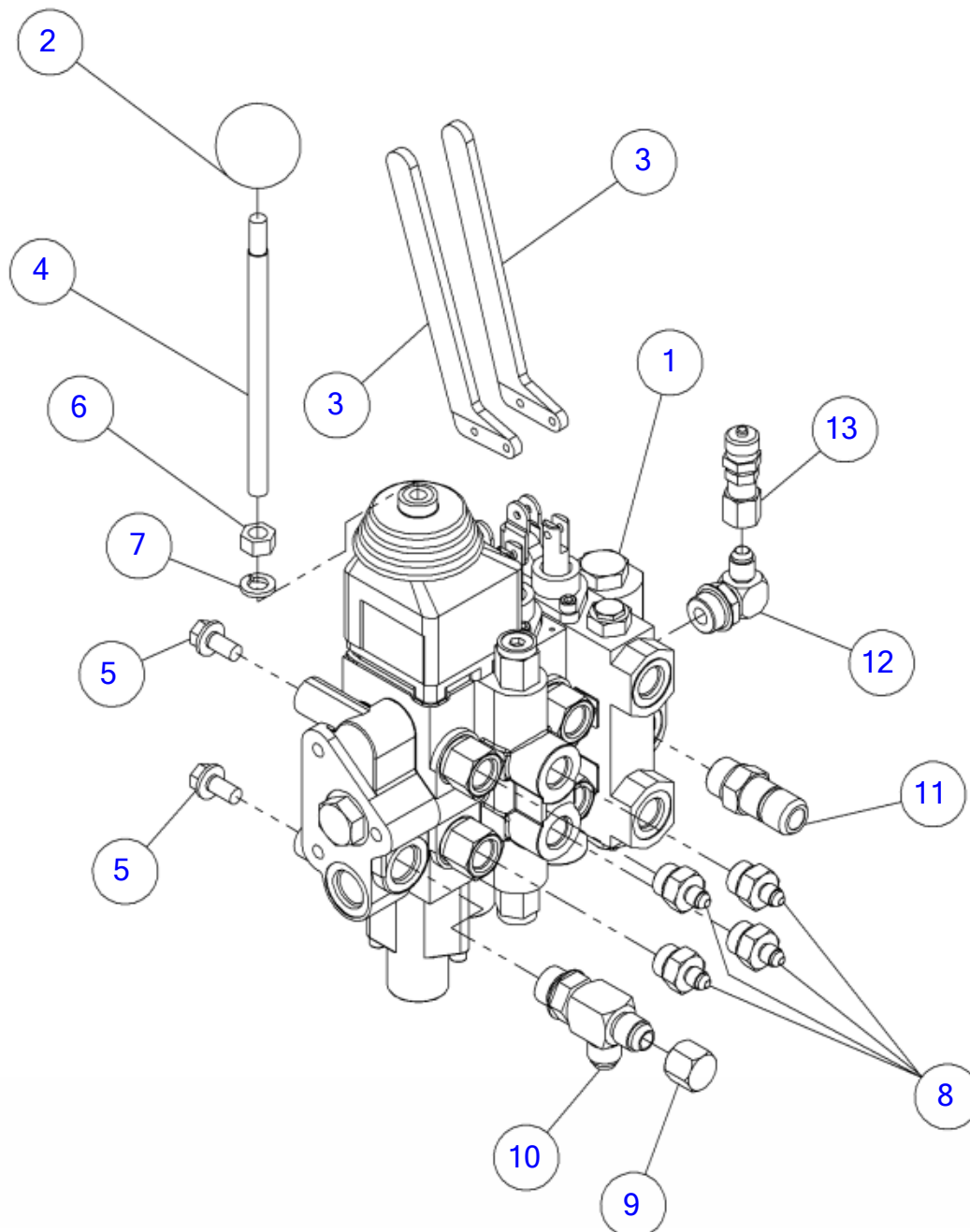


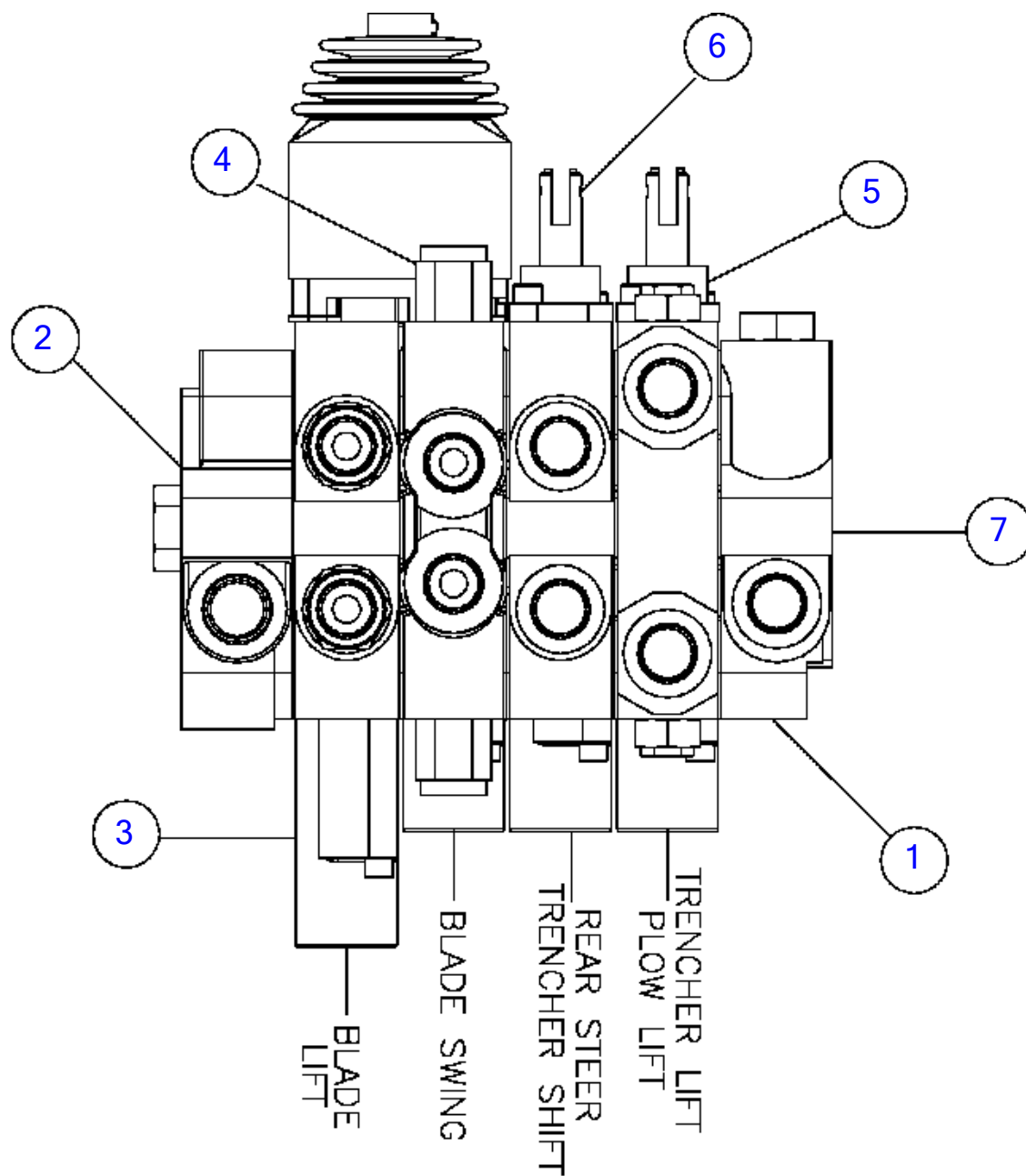
Illustration No. 269593001

4 SPOOL VALVE - BLADE - 4 WAY / 6 WAY**Fig 05-14**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	271080001	VALVE ASSY-4 SPOOL	1	Breakdown Fig. 5-14z01
2	201481001	KNOB-1 7/8 OD	1	
3	210495001	LEVER-BLADE LIFT	2	
4	220085001	HANDLE-JOYSTICK	1	
5	296300771	SCREW-HFS-...38-16X.75GR8-YZ	3	
6	448001	NUT-7/16 N.F. HEX	1	
7	480009	WASHER-7/16 S/T LOCK	1	
8	53657001	FITTING-8M OR X 4M JIC ST.	4	
9	59432001	CAP-8 JIC CAP NUT	1	
10	269590001	FITTING-RTEE-8MJ-10MORBA-8MJ	1	
11	125645001	FITTING-10M9'R X 10MJIC 2.41LG	1	
12	59401001	FITTING-6M JICX10M ADJ. 90 DEG.ELBOW	1	
13	296280278	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	
13	(130600001)	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	

VALVE - 4 SPOOL

Fig 05-14Z01



4 SPOOL — 4 WAY / 6 WAY
BLADE

VALVE - 4 SPOOL**Fig 05-14Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Breakdown Figure 5-23
2	221477013	OUTLET SECTION	1	Breakdown Figure 5-24
3	218544005	WORK SECTION	1	Breakdown Figure 5-20
4	210455025	WORK SECTION-RELIEF	1	Breakdown Figure 5-19
5	210455023	WORK SECTION-LOCK OUT	1	Breakdown Figure 5-21
6	210456003	WORK SECTION-STANDARD	1	Breakdown Figure 5-22
7	102644001	KIT-4 SECTION TIE ROD	1	Not Shown
	271080001	VALVE ASSY-4 SPOOL	A/R	Includes All Items in Figure

5 SPOOL VALVE - BLADE - 4 WAY / 6 WAY

Fig 05-15

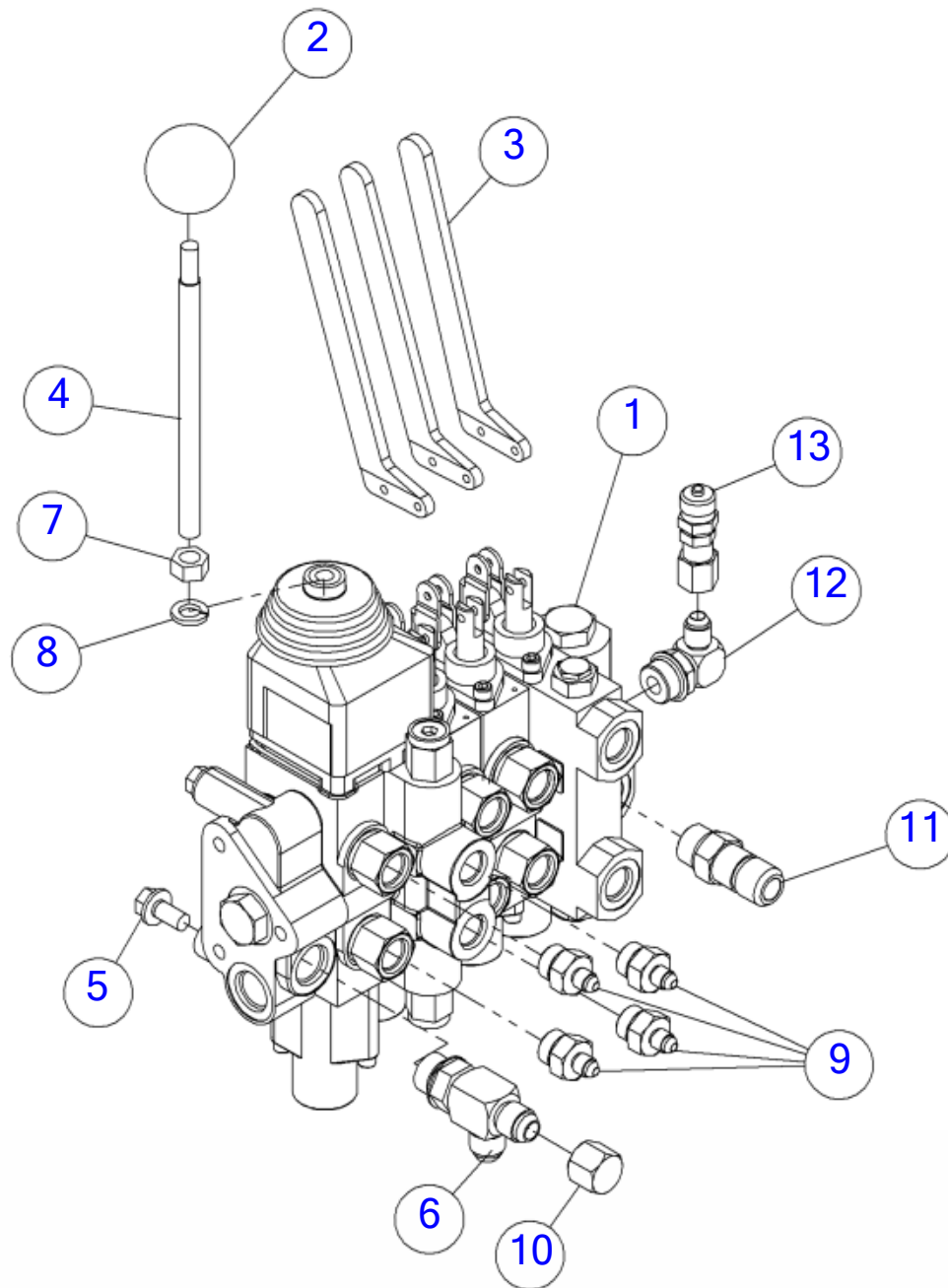


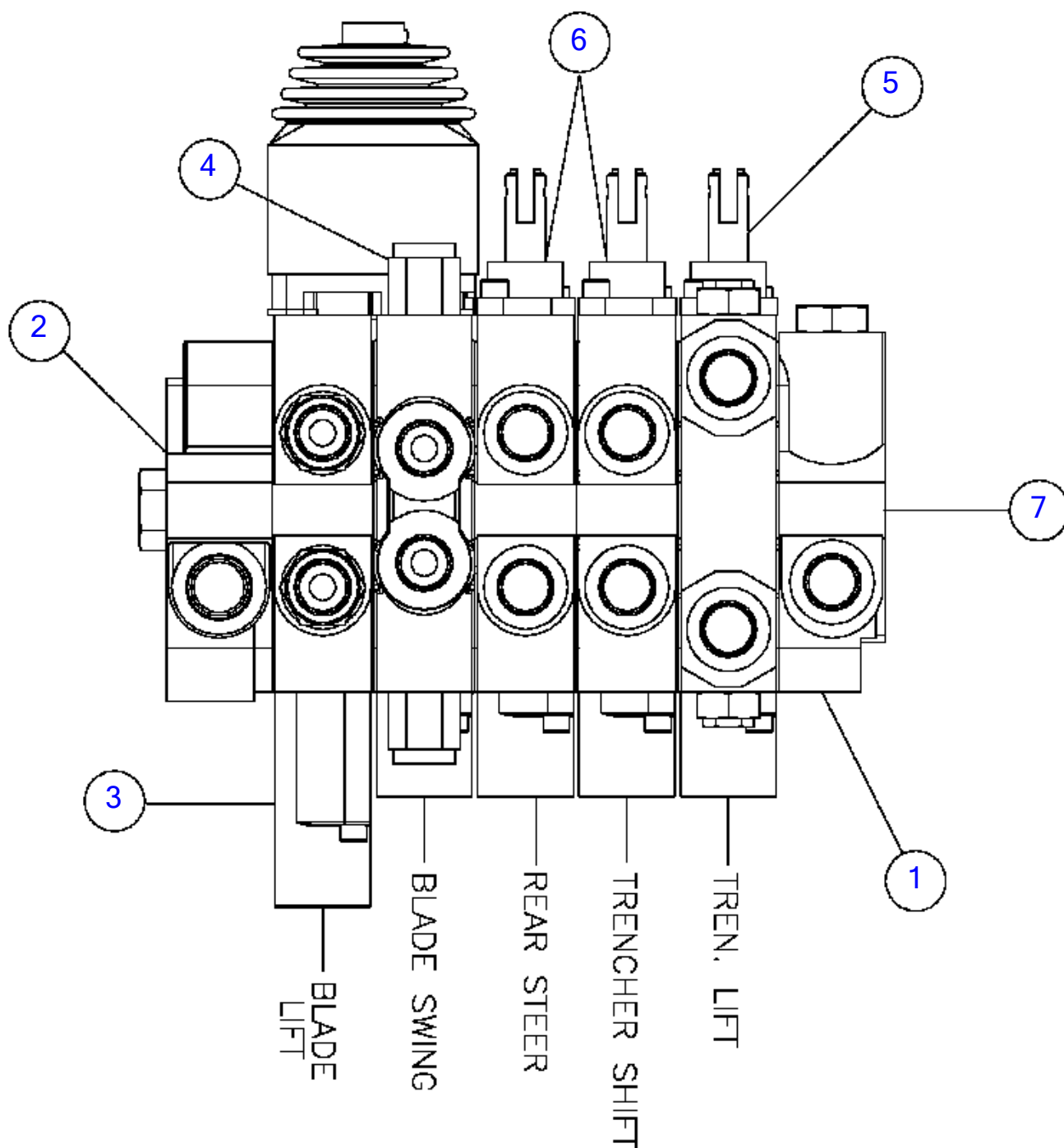
Illustration No. 269594001

5 SPOOL VALVE - BLADE - 4 WAY / 6 WAY**Fig 05-15**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269278001	VALVE ASSY - 5 SPOOL	1	Breakdown Fig. 5-15z01
2	201481001	KNOB-1 7/8 OD	1	
3	210495001	LEVER-BLADE LIFT	3	
4	220085001	HANDLE-JOYSTICK	1	
5	296300771	SCREW-HFS-...38-16X.75GR8-YZ	3	
6	269590001	FITTING-RTEE-8MJ-10MORBA-8MJ	1	
7	448001	NUT-7/16 N.F. HEX	1	
8	480009	WASHER-7/16 S/T LOCK	1	
9	53657001	FITTING-8M OR X 4M JIC ST.	4	
10	59432001	CAP-8 JIC CAP NUT	1	
11	125645001	FITTING-10M9'R X 10MJIC 2.41LG	1	
12	59401001	FITTING-6M JICX10M ADJ. 90 DEG.ELBOW	1	
13	296280278	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	
13	(130600001)	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	

VALVE - 5 SPOOL

Fig 05-15Z01



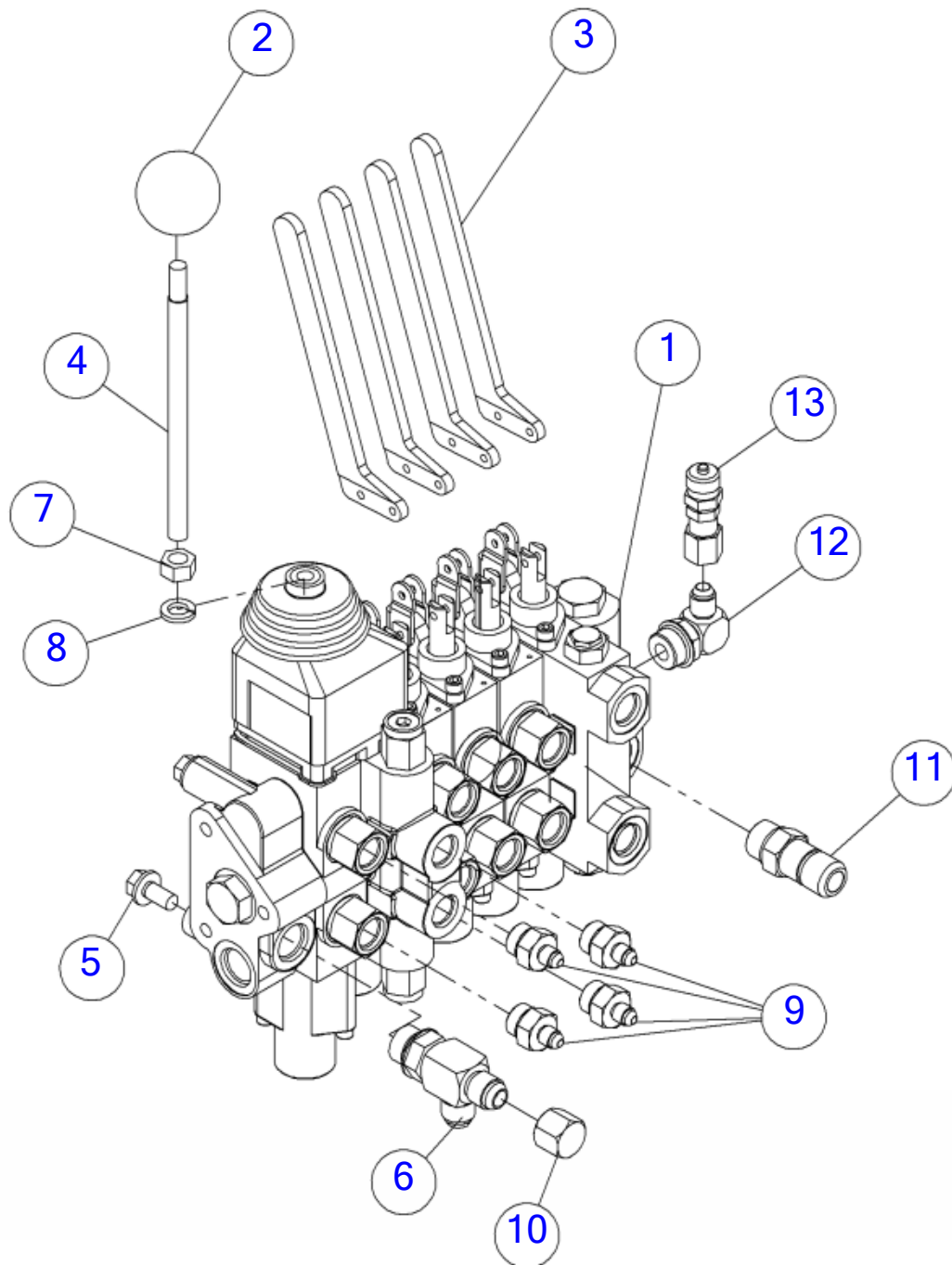
5 SPOOL — 4 WAY / 6 WAY
BLADE

VALVE - 5 SPOOL**Fig 05-15Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Breakdown Figure 5-23
2	221477013	OUTLET SECTION	1	Breakdown Figure 5-24
3	218544005	WORK SECTION	1	Breakdown Figure 5-20
4	210455025	WORK SECTION-RELIEF	1	Breakdown Figure 5-19
5	210455023	WORK SECTION-LOCK OUT	1	Breakdown Figure 5-21
6	210456003	WORK SECTION-STANDARD	2	Breakdown Figure 5-22
7	100980007	KIT-5 SECTION TIE ROD	1	5 SPOOL W/4 WAY
	269278001	VALVE ASSY - 5 SPOOL	A/R	Includes All Items in Figure

6 SPOOL VALVE - BLADE - 4 WAY / 6 WAY

Fig 05-16

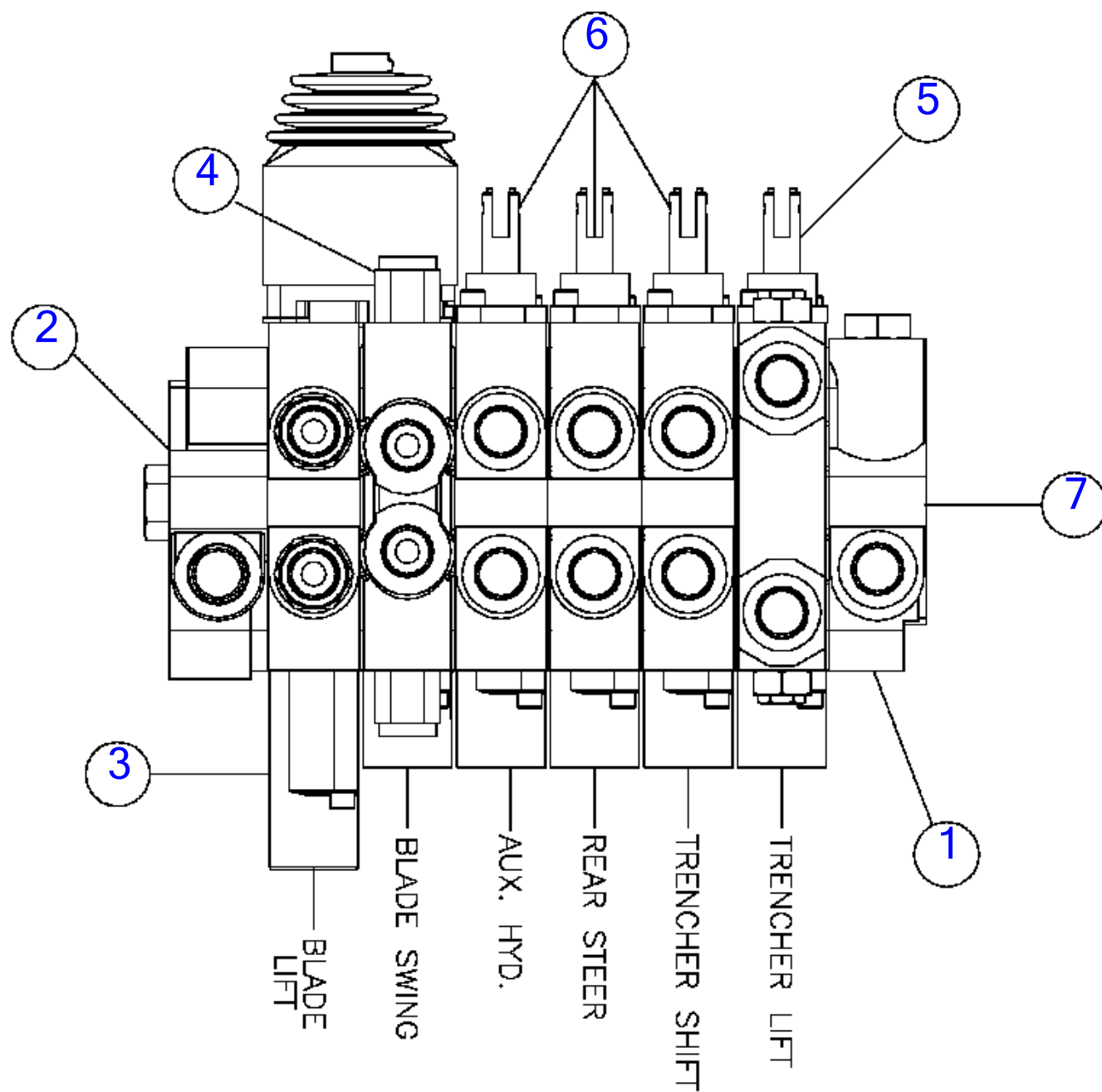


6 SPOOL VALVE - BLADE - 4 WAY / 6 WAY**Fig 05-16**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269279001	VALVE ASSY - 6 SPOOL	1	Breakdown Fig. 5-16z01
2	201481001	KNOB-1 7/8 OD	1	
3	210495001	LEVER-BLADE LIFT	4	
4	220085001	HANDLE-JOYSTICK	1	
5	296300771	SCREW-HFS-...38-16X.75GR8-YZ	3	
6	269590001	FITTING-RTEE-8MJ-10MORBA-8MJ	1	
7	448001	NUT-7/16 N.F. HEX	1	
8	480009	WASHER-7/16 S/T LOCK	1	
9	53657001	FITTING-8M OR X 4M JIC ST.	4	
10	59432001	CAP-8 JIC CAP NUT	1	
11	125645001	FITTING-10M9'R X 10MJIC 2.41LG	1	
12	59401001	FITTING-6M JICX10M ADJ. 90 DEG.ELBOW	1	
13	296280278	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	
13	(130600001)	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	

VALVE - 6 SPOOL

Fig 05-16Z01



6 SPOOL — 4 WAY / 6 WAY
BLADE

VALVE - 6 SPOOL**Fig 05-16Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Breakdown Figure 5-23
2	221477013	OUTLET SECTION	1	Breakdown Figure 5-24
3	218544005	WORK SECTION	1	Breakdown Figure 5-20
4	210455025	WORK SECTION-RELIEF	1	Breakdown Figure 5-19
5	210455023	WORK SECTION-LOCK OUT	1	Breakdown Figure 5-21
6	210456003	WORK SECTION-STANDARD	3	Breakdown Figure 5-22
7	220209001	KIT-6 SECTION TIE ROD	1	Not Shown
	269279001	VALVE ASSY - 6 SPOOL	A/R	Includes All Items in Figure

7 SPOOL VALVE - BLADE - 4 WAY / 6 WAY

Fig 05-17

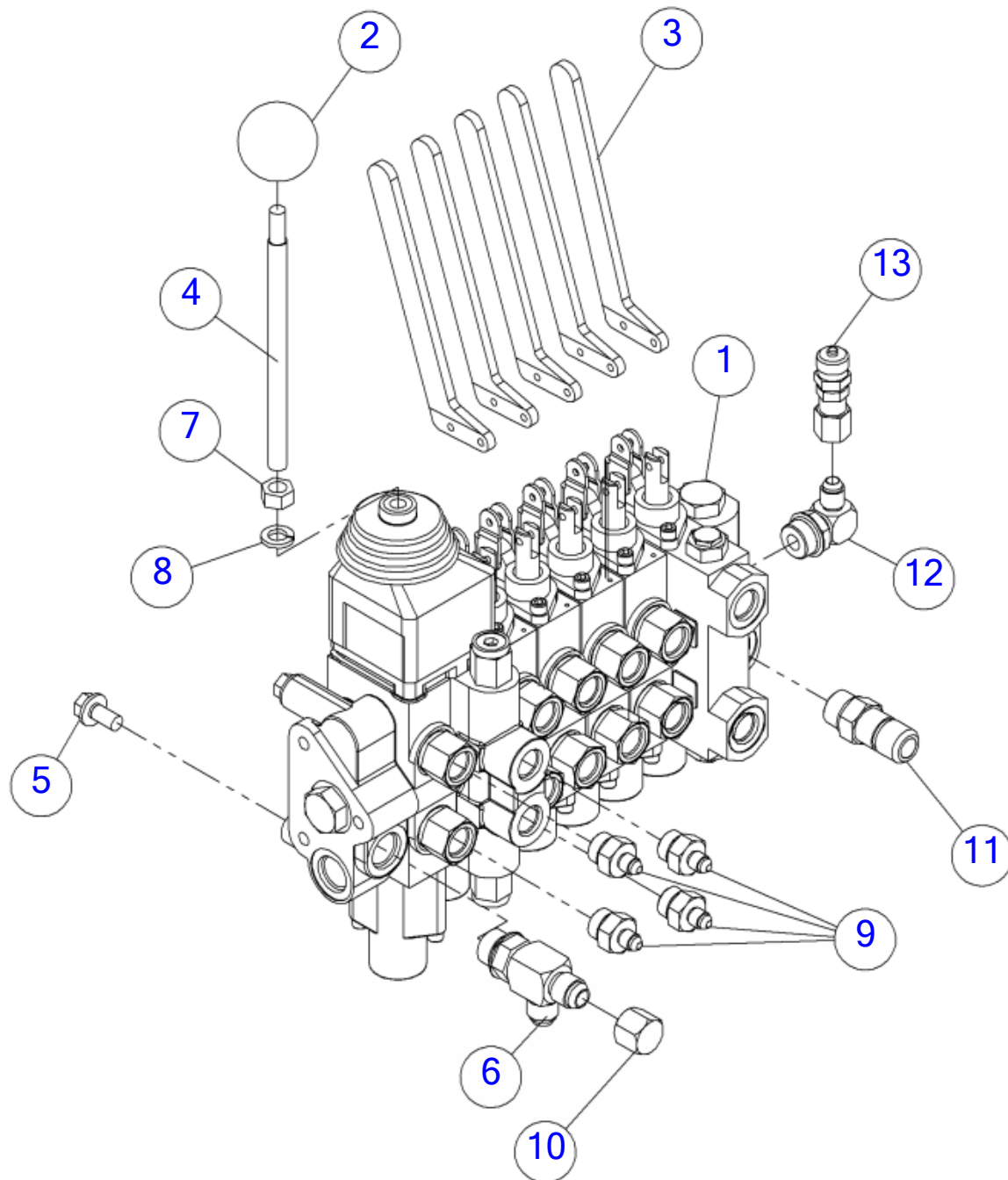


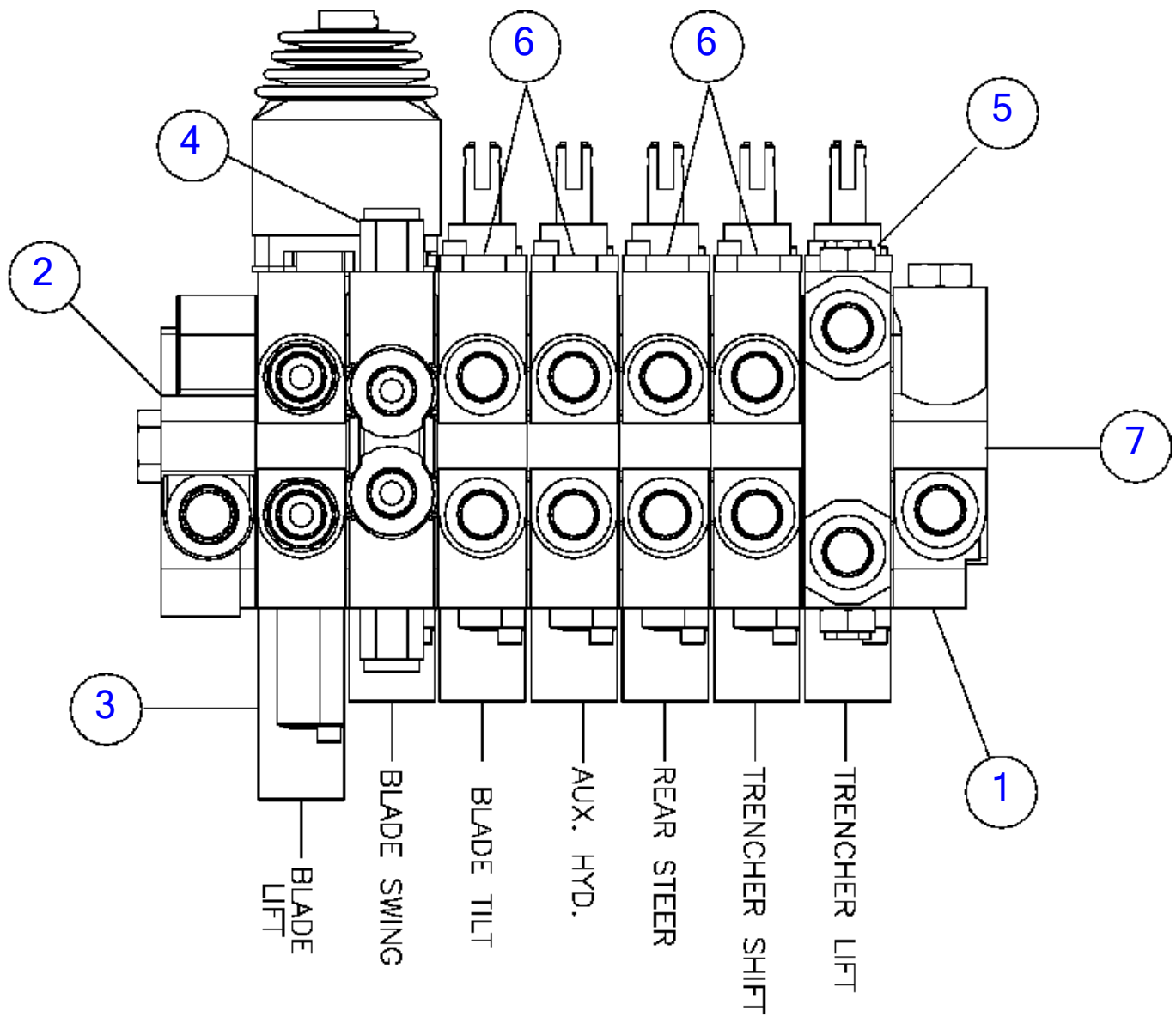
Illustration No. 269596001

7 SPOOL VALVE - BLADE - 4 WAY / 6 WAY**Fig 05-17**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269280001	VALVE ASSY - 7 SPOOL	1	Breakdown Fig. 5-17z01
2	201481001	KNOB-1 7/8 OD	1	
3	210495001	LEVER-BLADE LIFT	5	
4	220085001	HANDLE-JOYSTICK	1	
5	296300771	SCREW-HFS-...38-16X.75GR8-YZ	3	
6	269590001	FITTING-RTEE-8MJ-10MORBA-8MJ	1	
7	448001	NUT-7/16 N.F. HEX	1	
8	480009	WASHER-7/16 S/T LOCK	1	
9	53657001	FITTING-8M OR X 4M JIC ST.	4	
10	59432001	CAP-8 JIC CAP NUT	1	
11	125645001	FITTING-10M9'R X 10MJIC 2.41LG	1	
12	59401001	FITTING-6M JICX10M ADJ. 90 DEG.ELBOW	1	
13	296280278	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	
13	(130600001)	FITTING - TEST - 6FSJ - 16MTP WITH ORING	1	

VALVE - 7 SPOOL

Fig 05-17Z01



7 SPOOL — 4 WAY / 6 WAY
BLADE

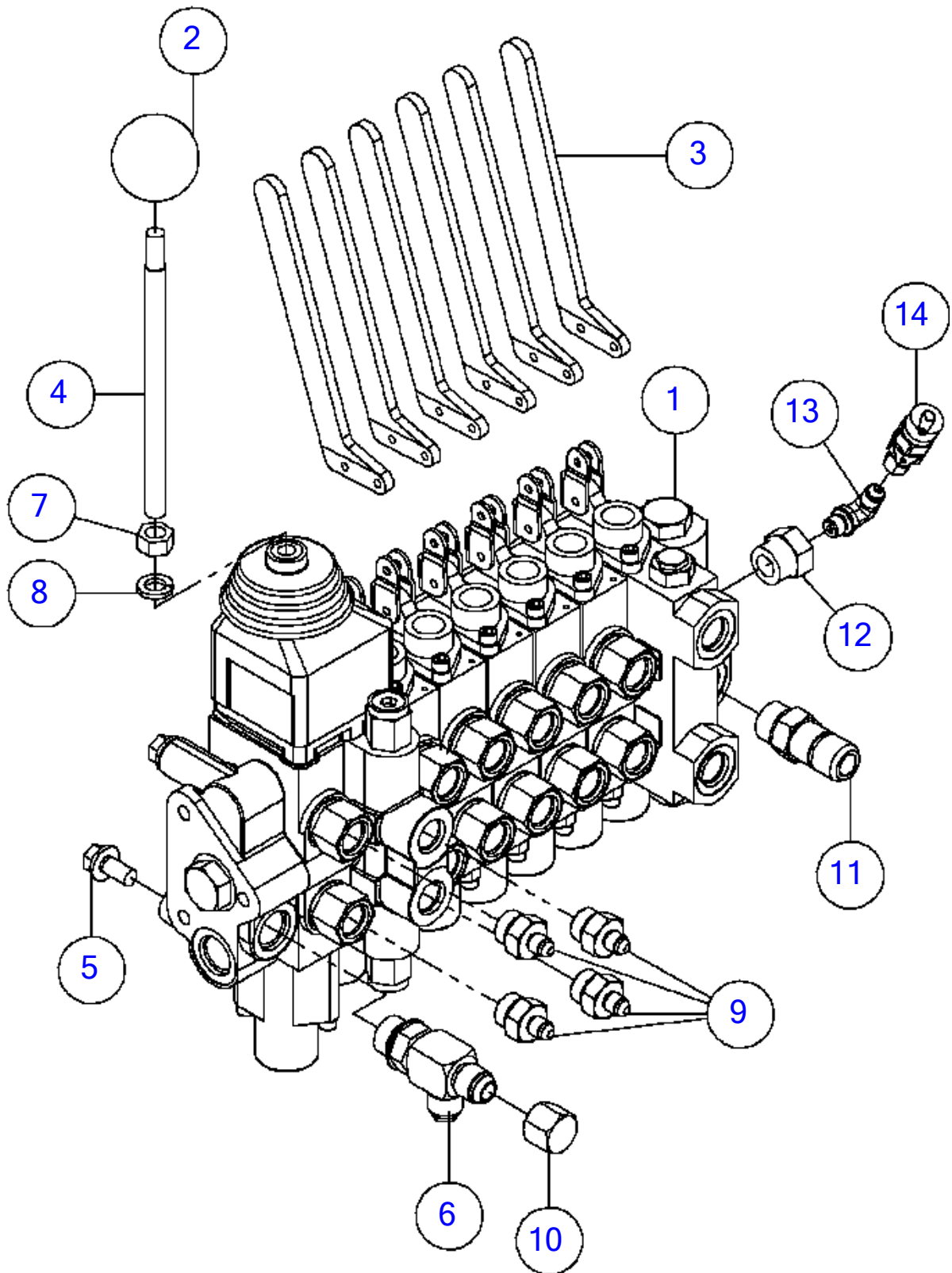
VALVE - 7 SPOOL**Fig 05-17Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Breakdown Figure 5-23
2	221477013	OUTLET SECTION	1	Breakdown Figure 5-24
3	218544005	WORK SECTION	1	Breakdown Figure 5-20
4	210455025	WORK SECTION-RELIEF	1	Breakdown Figure 5-19
5	210455023	WORK SECTION-LOCK OUT	1	Breakdown Figure 5-21
6	210456003	WORK SECTION-STANDARD	4	Breakdown Figure 5-22
7	220211001	KIT-8 SECTION TIE ROD	1	Not Shown
	269280001	VALVE ASSY - 7 SPOOL	A/R	Includes All Items in Figure

8 SPOOL VALVE - BLADE - 4 WAY / 6 WAY

Fig 05-18

Illustration No. 269597001

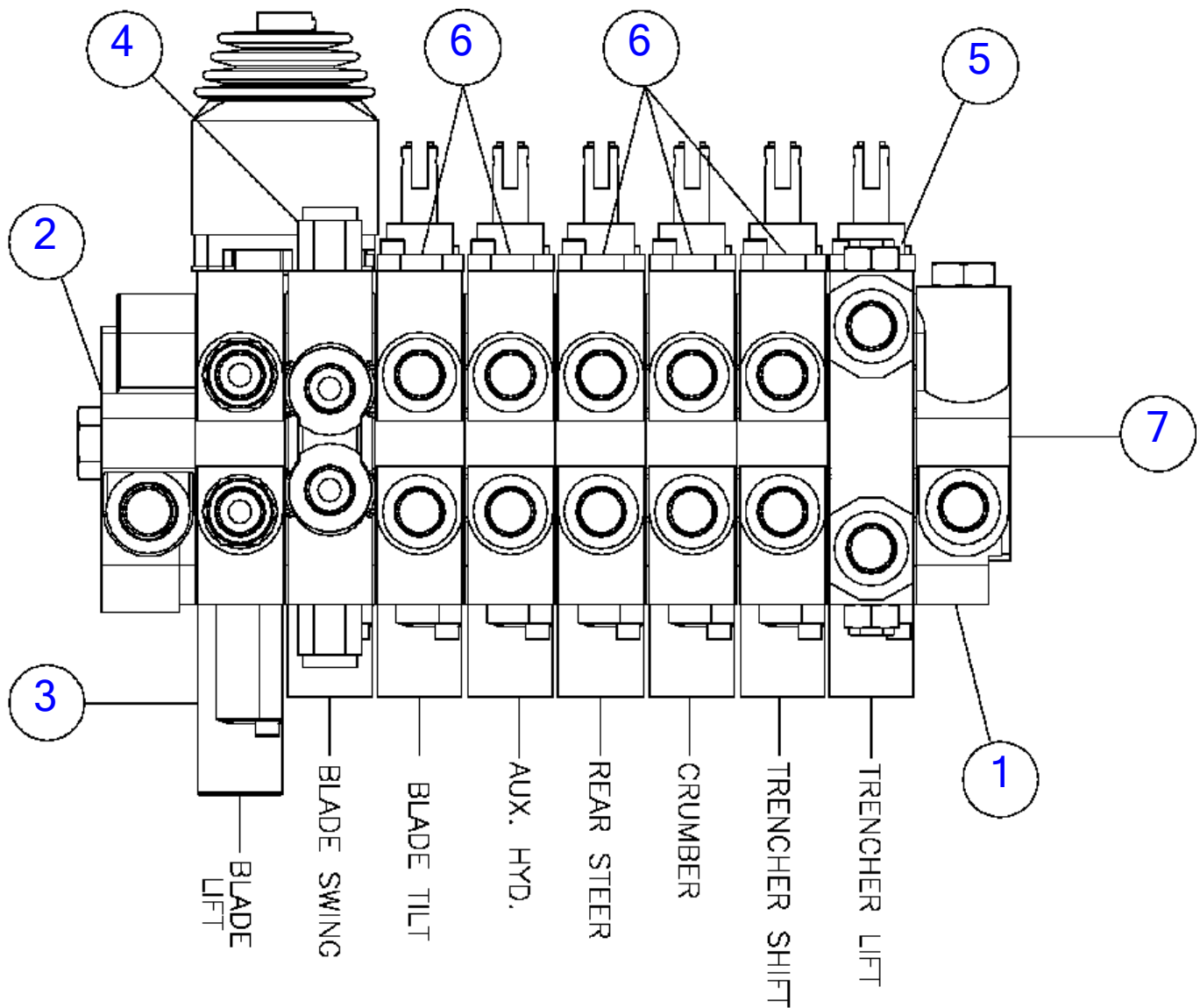


8 SPOOL VALVE - BLADE - 4 WAY / 6 WAY**Fig 05-18**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269281001	VALVE ASSY - 8 SPOOL	1	Breakdown Figure 5-18z01
2	201481001	KNOB-1 7/8 OD	1	
3	210495001	LEVER-BLADE LIFT	6	
4	220085001	HANDLE-JOYSTICK	1	
5	296300771	SCREW-HFS-...38-16X.75GR8-YZ	3	
6	269590001	FITTING-RTEE-8MJ-10MORBA-8MJ	1	
7	448001	NUT-7/16 N.F. HEX	1	
8	480009	WASHER-7/16 S/T LOCK	1	
9	53657001	FITTING-8M OR X 4M JIC ST.	4	
10	59432001	CAP-8 JIC CAP NUT	1	
11	125645001	FITTING-10M9'R X 10MJIC 2.41LG	1	
12	108484001	FITTING - STR - 10MORB - 4FORB	1	
13	59423001	FITTING-90-4MORBA-4MJ	1	
14	83015001	FITTING-4F JIC DIAGNOSTIC	1	

VALVE - 8 SPOOL

Fig 05-18Z01



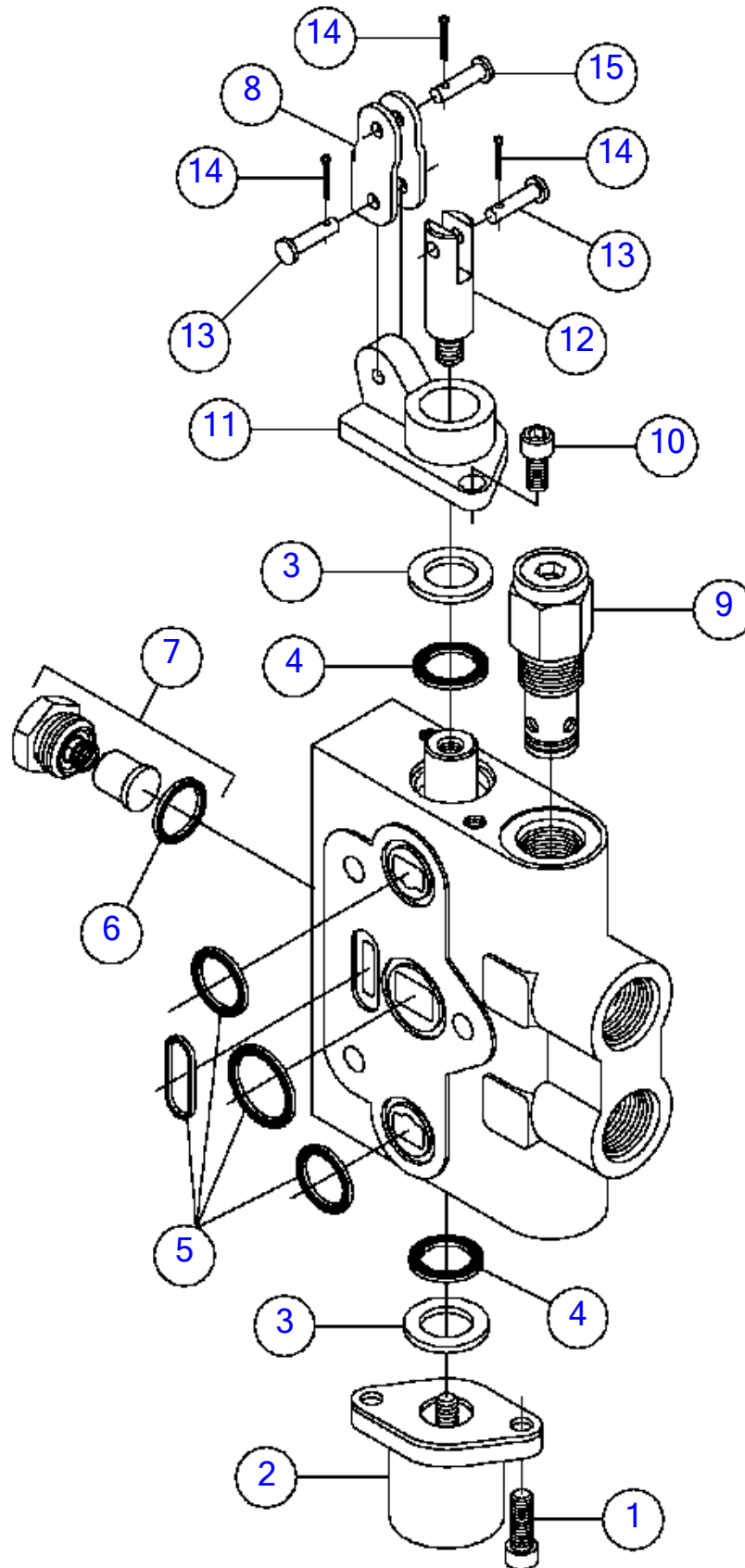
8 SPOOL — 4 WAY / 6 WAY
BLADE

VALVE - 8 SPOOL**Fig 05-18Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Breakdown Figure 5-23
2	221477013	OUTLET SECTION	1	Breakdown Figure 5-24
3	218544005	WORK SECTION	1	Breakdown Figure 5-20
4	210455025	WORK SECTION-RELIEF	1	Breakdown Figure 5-19
5	210455023	WORK SECTION-LOCK OUT	1	Breakdown Figure 5-21
6	210456003	WORK SECTION-STANDARD	5	Breakdown Figure 5-22
7	220210001	KIT-7 SECTION TIE ROD	1	Not Shown
	269281001	VALVE ASSY - 8 SPOOL	A/R	Includes All Items in Figure

COMPONENTS-WORK SECTION - RELIEF

Fig 05-19



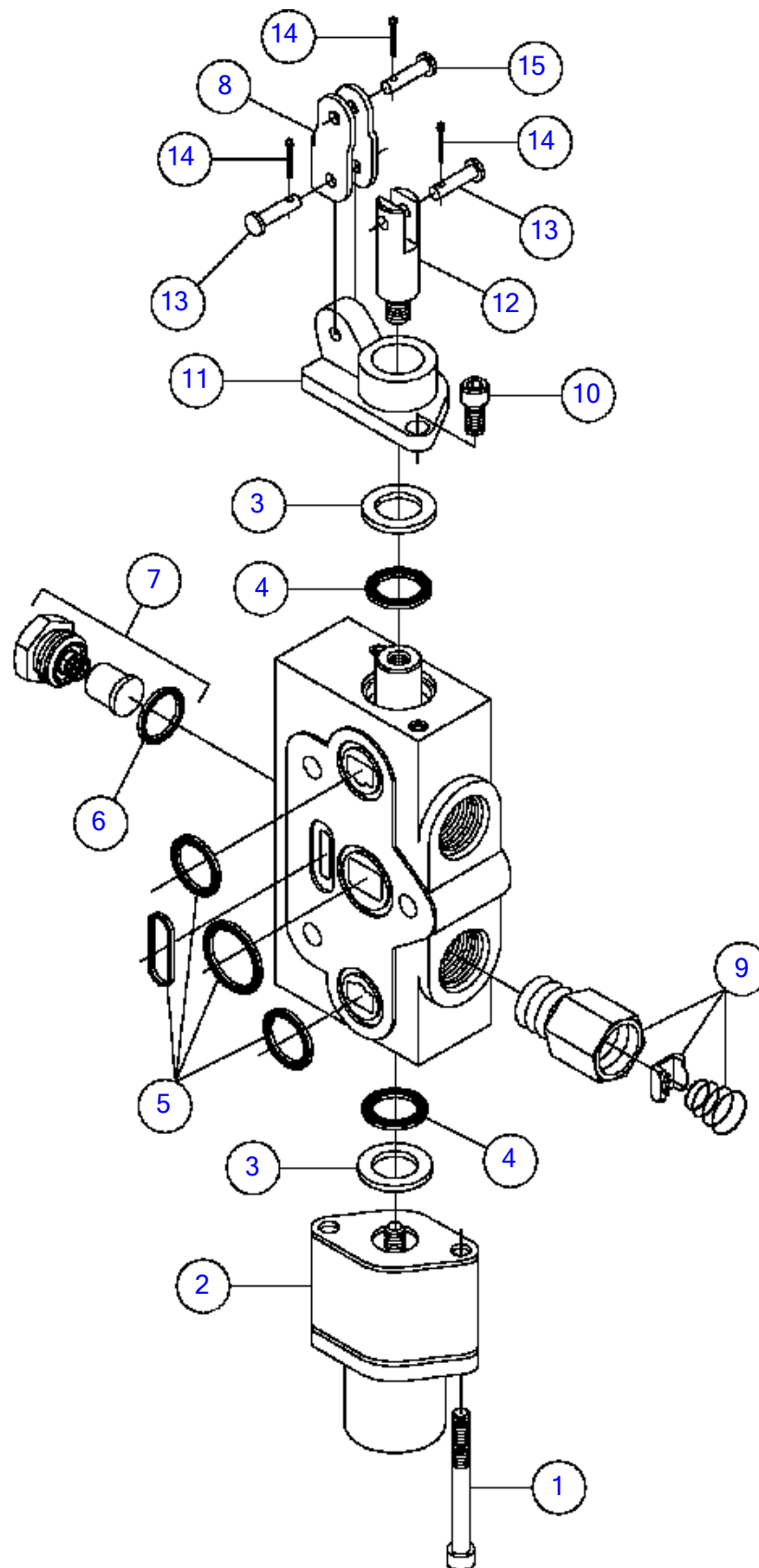
COMPONENTS-WORK SECTION - RELIEF

Fig 05-19

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	902299057	BOLT-BRACKET MOUNT	2	
2	210455021	SPOOL POSITIONER-SPRING RETURN	1	Includes Ref. No. 1
3	210455009	SPOOL BACKUP RING	2	Includes Ref. No. 1
4	5645001	O-RING #208 70 D BUNA N B46	2	
5	902299007	REPAIR KIT-VALVE SECTION	1	
6	59088053	O-RING SAE 8	1	
6	(902299067)	O-RING	1	
7	210455013	LOAD CHECK KIT	1	Includes Ref. No. 6
8	902299065	CLEVIS	1	
9	902299037	VALVE-PORT RELIEF	2	
9	111459015	SEAL KIT	2	
10	5544004	CAPSCREW-1/4-20X1/2 SOCKET HD.	2	
10	(902299081)	CAPSCREW	2	
11	902299059	BRACKET-HANDLE MOUNT	1	
12	100980009	ADAPTER-SPOOL END	1	
13	903305001	PIN	2	
14	510045	PIN 1/16 X 1/2 COTTER	3	
14	(902299063)	PIN-COTTER	3	
15	902299061	PIN-ATTACHMENT	1	
	210455025	WORK SECTION-RELIEF	A/R	Includes All Items in Figure

COMPONENTS-WORK SECTION

Fig 05-20

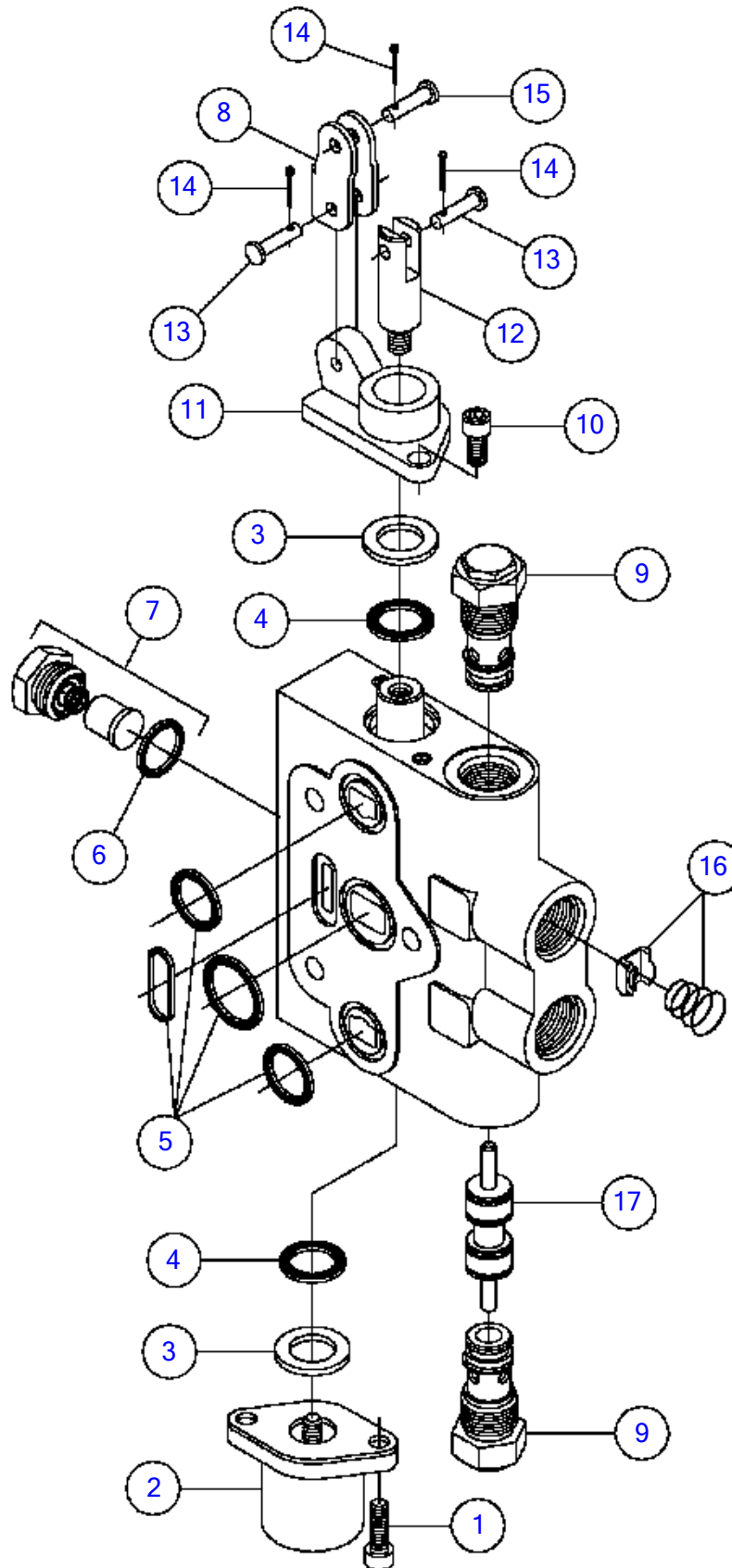


COMPONENTS-WORK SECTION
Fig 05-20

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	210455029	CAP SCREW	2	
2	210455027	FLOAT DETENT POSITIONER	1	Included Ref. #1
3	210455009	SPOOL BACKUP RING	2	
4	5645001	O-RING #208 70 D BUNA N B46	2	
5	902299007	REPAIR KIT-VALVE SECTION	1	
6	59088053	O-RING SAE 8	1	
6	(902299067)	O-RING	1	
7	210455013	LOAD CHECK KIT	1	Included Ref. #6
8	902299065	CLEVIS	1	
9	225531001	RESTRICTOR-.062 ORIFICE W/ADPT	1	
10	5544004	CAPSCREW-1/4-20X1/2 SOCKET HD.	2	
10	(902299081)	CAPSCREW	2	
11	902299059	BRACKET-HANDLE MOUNT	1	
12	100980009	ADAPTER-SPOOL END	1	
13	903305001	PIN	2	
14	510045	PIN 1/16 X 1/2 COTTER	3	
14	(902299063)	PIN-COTTER	3	
15	902299061	PIN-ATTACHMENT	1	
	218544005	WORK SECTION	A/R	Includes All Items in Figure; Except Ref. #9

COMPONENTS-WORK SECTION - LOCKOUT

Fig 05-21



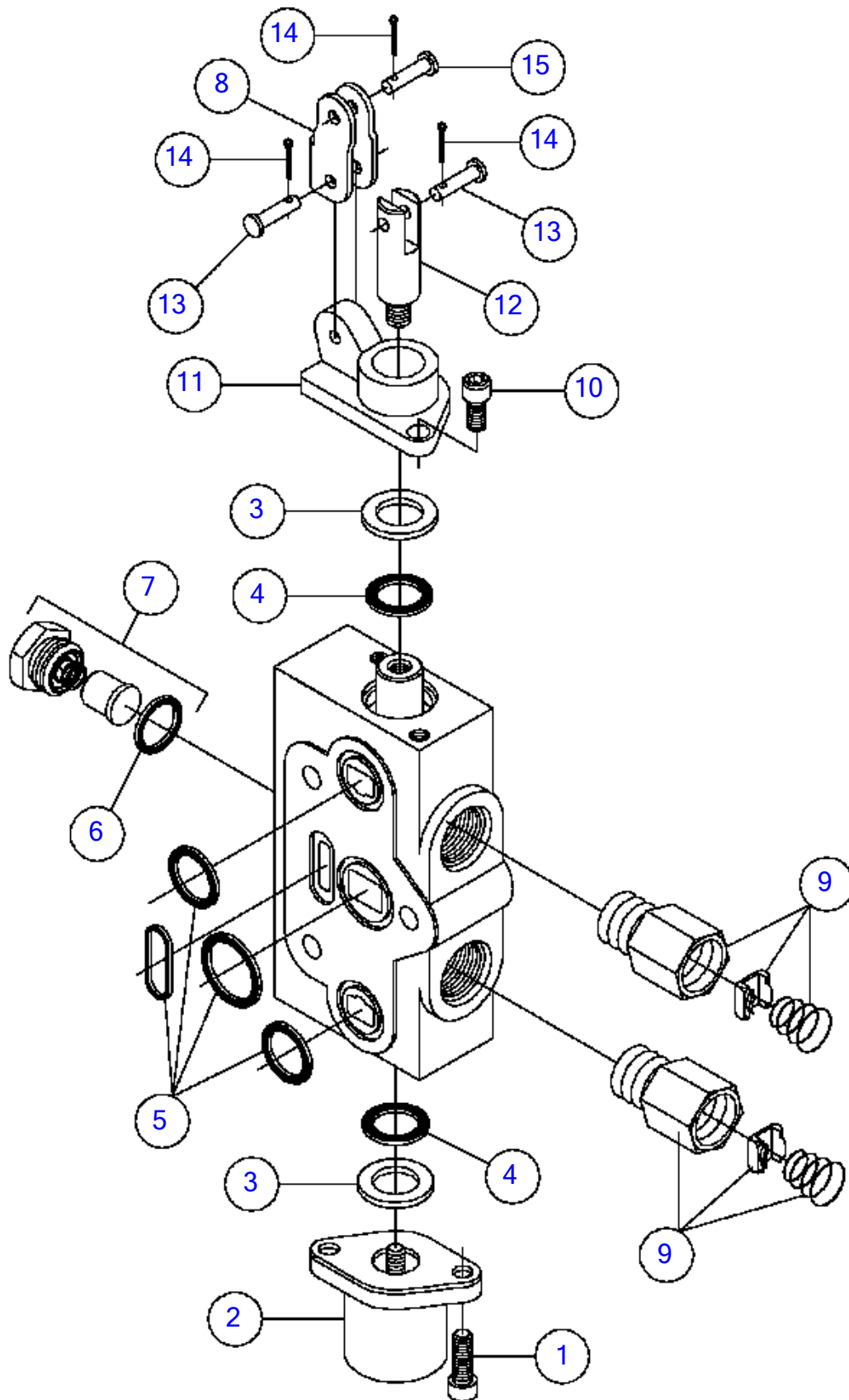
COMPONENTS-WORK SECTION - LOCKOUT

Fig 05-21

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	902299057	BOLT-BRACKET MOUNT	2	
2	210455021	SPOOL POSITIONER-SPRING RETURN	1	Included Ref. No. 1
3	210455009	SPOOL BACKUP RING	2	
4	5645001	O-RING #208 70 D BUNA N B46	2	
5	902299007	REPAIR KIT-VALVE SECTION	1	
6	59088053	O-RING SAE 8	1	
6	(902299067)	O-RING	1	
7	210455013	LOAD CHECK KIT	1	Included Ref. No. 6
8	902299065	CLEVIS	1	
9	902299037	VALVE-PORT RELIEF	2	
9	111459015	SEAL KIT	2	
10	5544004	CAPSCREW-1/4-20X1/2 SOCKET HD.	2	
10	(902299081)	CAPSCREW	2	
11	902299059	BRACKET-HANDLE MOUNT	1	
12	100980009	ADAPTER-SPOOL END	1	
13	903305001	PIN	2	
14	510045	PIN 1/16 X 1/2 COTTER	3	
14	(902299063)	PIN-COTTER	3	
15	902299061	PIN-ATTACHMENT	1	
16	220213001	KIT-.062 RESTRICTOR W/SPRING	1	
17		SHUTTER SPOOL	1	NOT SOLD SEPARATELY
	210455023	WORK SECTION-LOCK OUT	A/R	Includes All Items in Figure; Except Ref.16

COMPONENTS-WORK SECTION - STANDARD

Fig 05-22

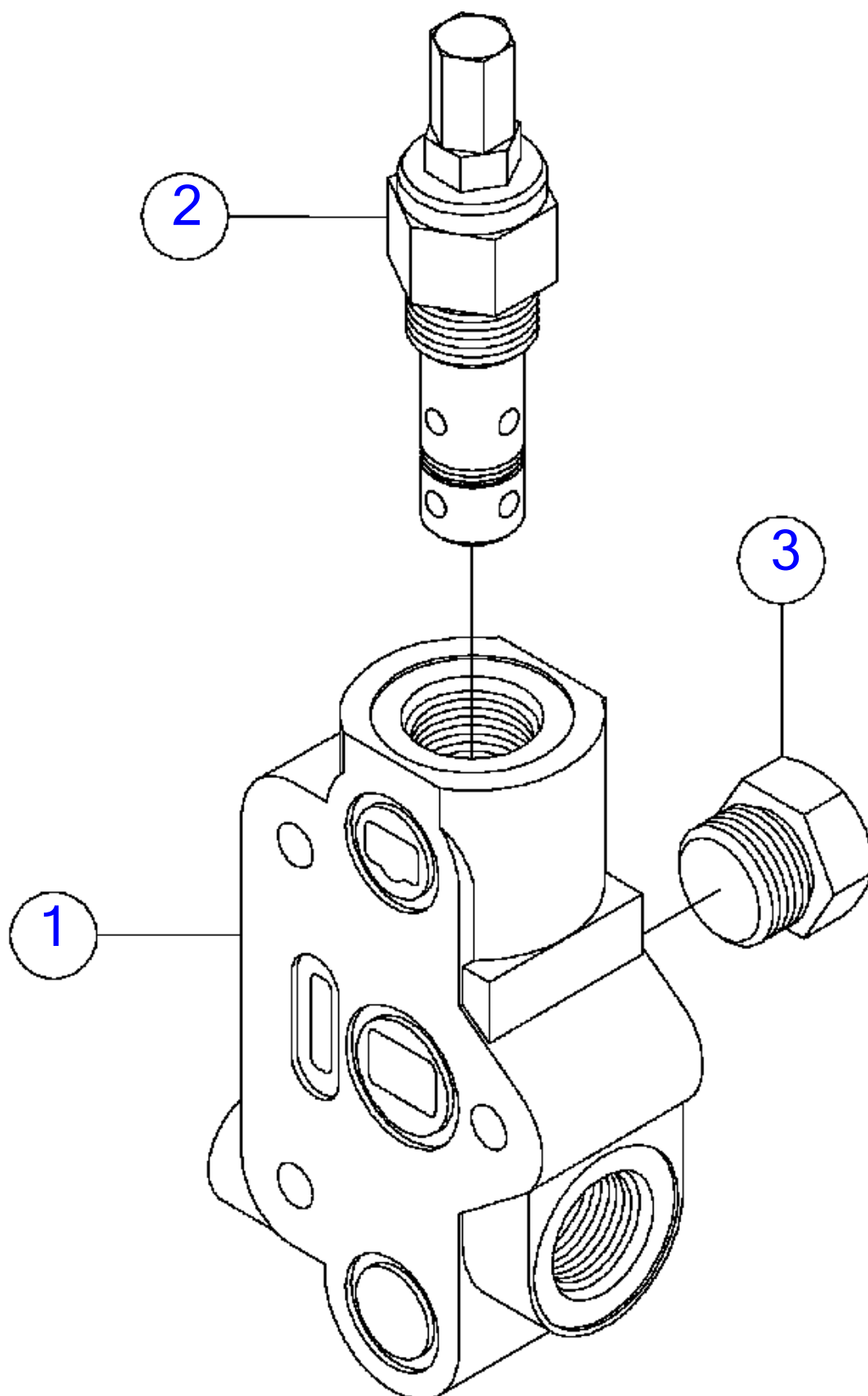


COMPONENTS-WORK SECTION - STANDARD
Fig 05-22

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	902299057	BOLT-BRACKET MOUNT	2	
2	210455021	SPOOL POSITIONER-SPRING RETURN	1	Included Ref. No. 1
3	210455009	SPOOL BACKUP RING	2	
4	5645001	O-RING #208 70 D BUNA N B46	2	
5	902299007	REPAIR KIT-VALVE SECTION	1	
6	59088053	O-RING SAE 8	1	
6	(902299067)	O-RING	1	
7	210455013	LOAD CHECK KIT	1	Included Ref. No. 6
8	902299065	CLEVIS	1	
9	233946001	RESTRICTOR- .052 W/ ADAPTOR	2	
10	5544004	CAPSCREW-1/4-20X1/2 SOCKET HD.	2	
10	(902299081)	CAPSCREW	2	
11	902299059	BRACKET-HANDLE MOUNT	1	
12	100980009	ADAPTER-SPOOL END	1	
13	903305001	PIN	2	
14	510045	PIN 1/16 X 1/2 COTTER	3	
14	(902299063)	PIN-COTTER	3	
15	902299061	PIN-ATTACHMENT	1	
	210456003	WORK SECTION-STANDARD	A/R	Includes All Items in Figure; Except Ref. 9

COMPONENTS-INLET SECTION COVER

Fig 05-23

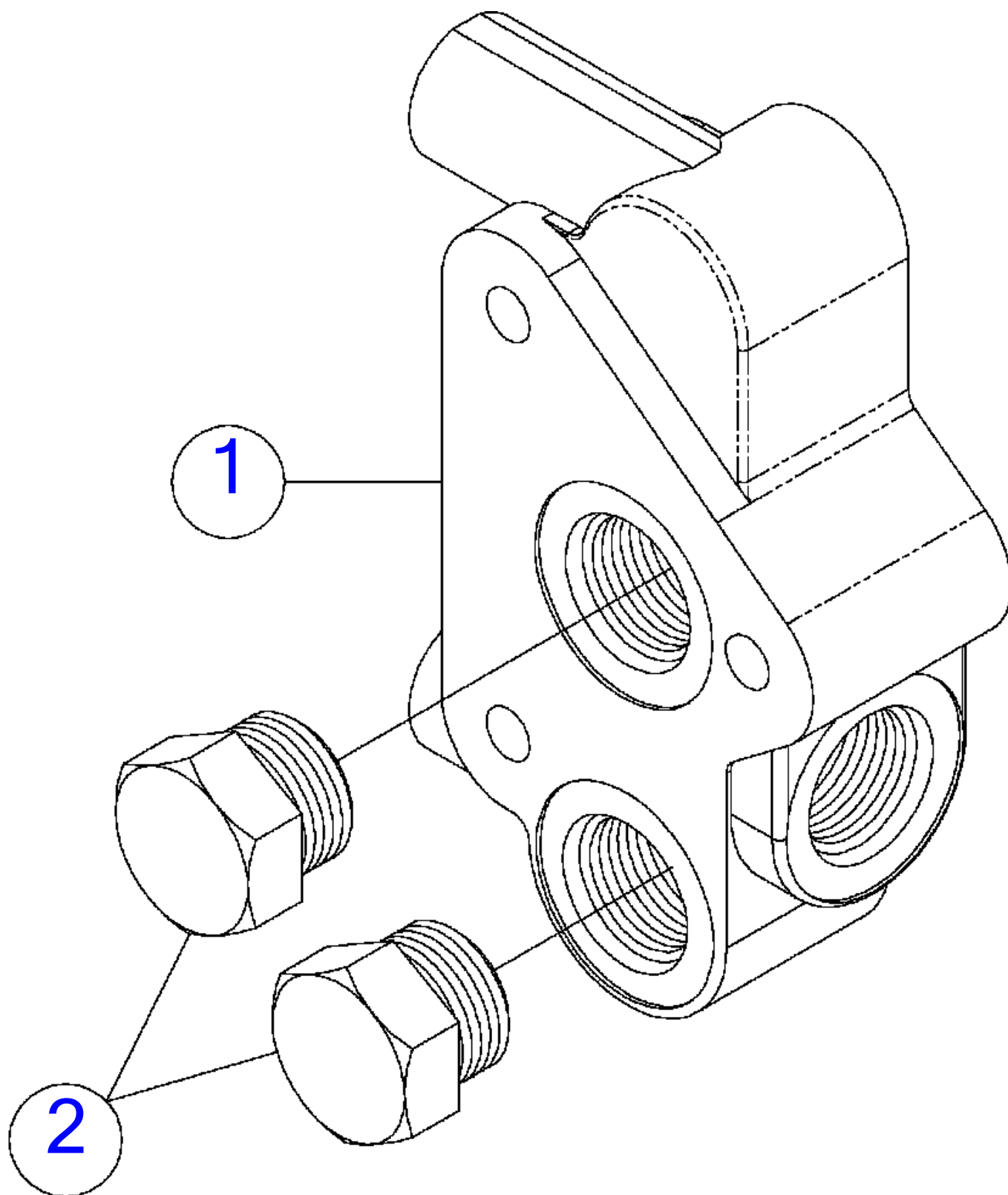


COMPONENTS-INLET SECTION COVER**Fig 05-23**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477003	INLET SECTION	1	Included Ref. No's 2 &3
2	120079009	VALVE-RELIEF -ADJUSTABLE	1	
2	210455007	SEAL KIT	1	
3	902299077	PLUG-OPEN CENTER CONVERSION	1	

COMPONENTS-OUTLET SECTION COVER

Fig 05-24

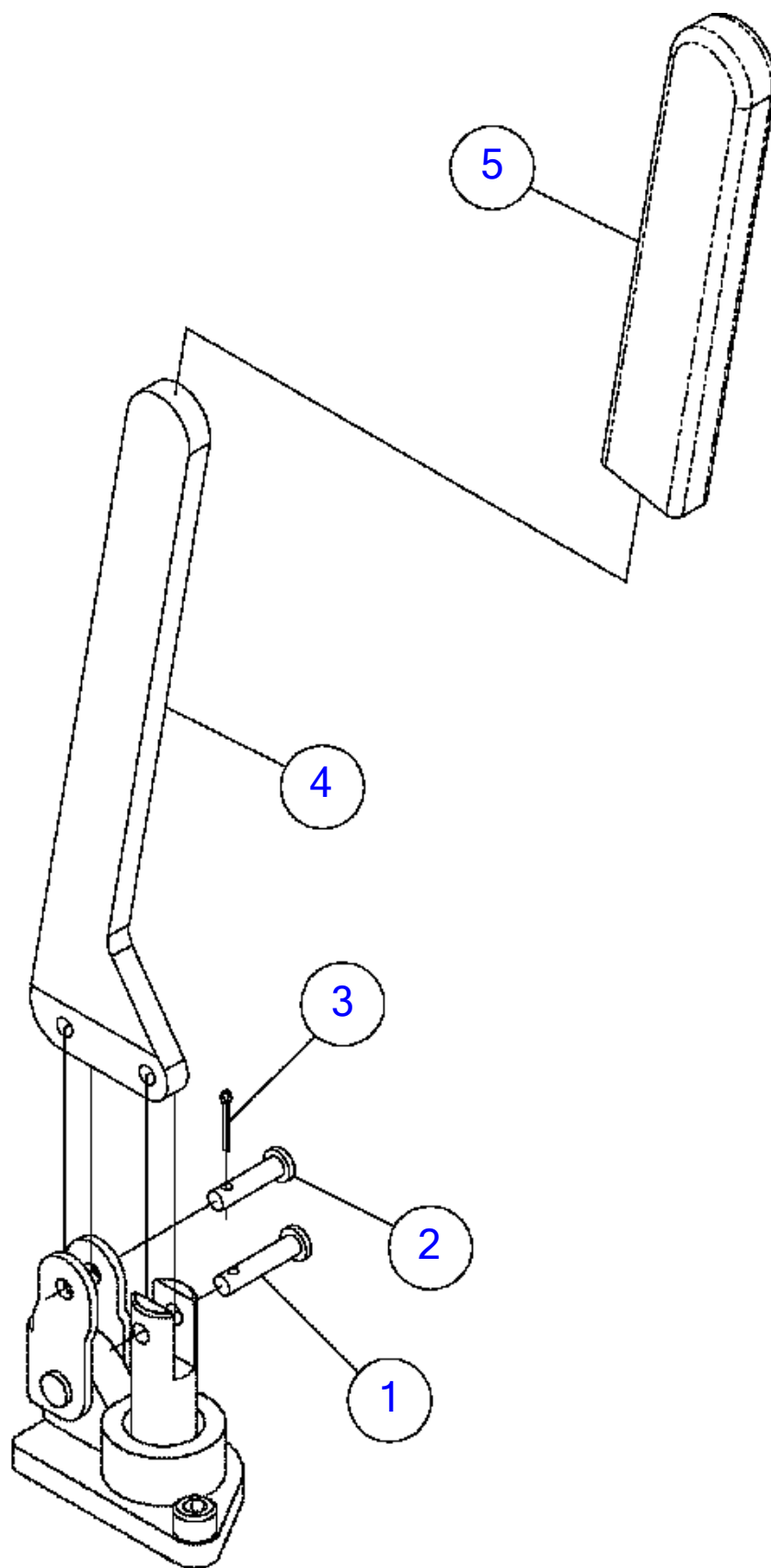


COMPONENTS-OUTLET SECTION COVER**Fig 05-24**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	221477013	OUTLET SECTION	1	Includes Ref. No. 2
2	902299077	PLUG-OPEN CENTER CONVERSION	2	

CONTROL VALVE LEVER

Fig 05-25

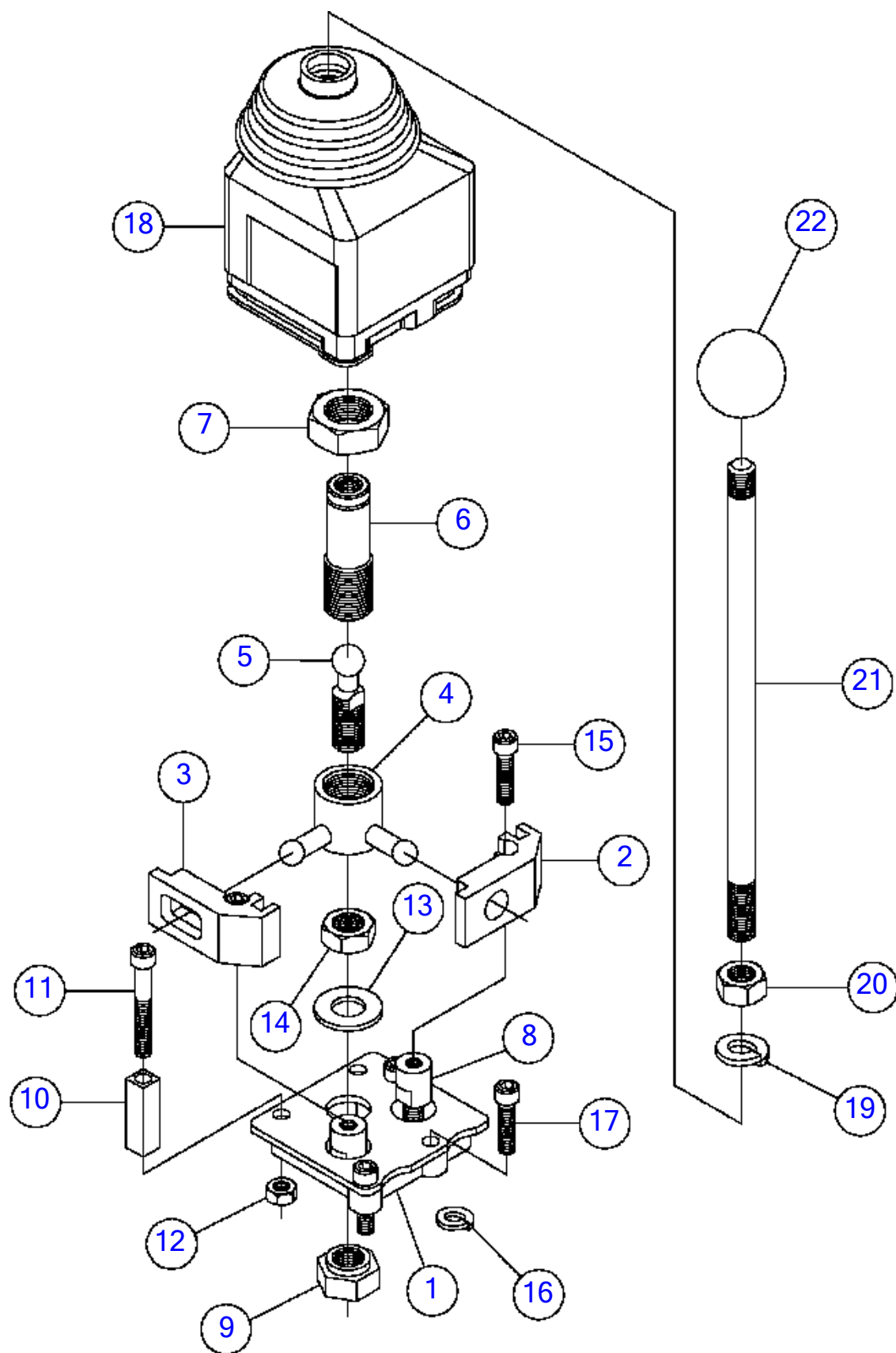


CONTROL VALVE LEVER**Fig 05-25**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	903305001	PIN	A/R	P/N Qty. Of 1 = 1 Each
2	902299061	PIN-ATTACHMENT	A/R	P/N Qty. Of 1 = 1 Each
3	510045	PIN 1/16 X 1/2 COTTER	A/R	P/N Qty. Of 1 = 1 Each
3	(902299063)	PIN-COTTER	A/R	P/N Qty. Of 1 = 1 Each
4	210495001	LEVER-BLADE LIFT	1	P/N Changed
5	233884001	HANDLE-BLACK PLASTIC 5 1/4"	A/R	P/N Qty. Of 1 = 1 Each
5	233885001	HANDLE - PLASTIC 5 1/4"	A/R	P/N Qty. Of 1 = 1 Each
5	233886001	HANDLE-YELLOW PLASTIC 5 1/4"	A/R	P/N Qty. Of 1 = 1 Each
5	233887001	HANDLE-GREEN PLASTIC 5 1/4"	A/R	P/N Qty. Of 1 = 1 Each

COMPONENTS-JOYSTICK

Fig 05-26

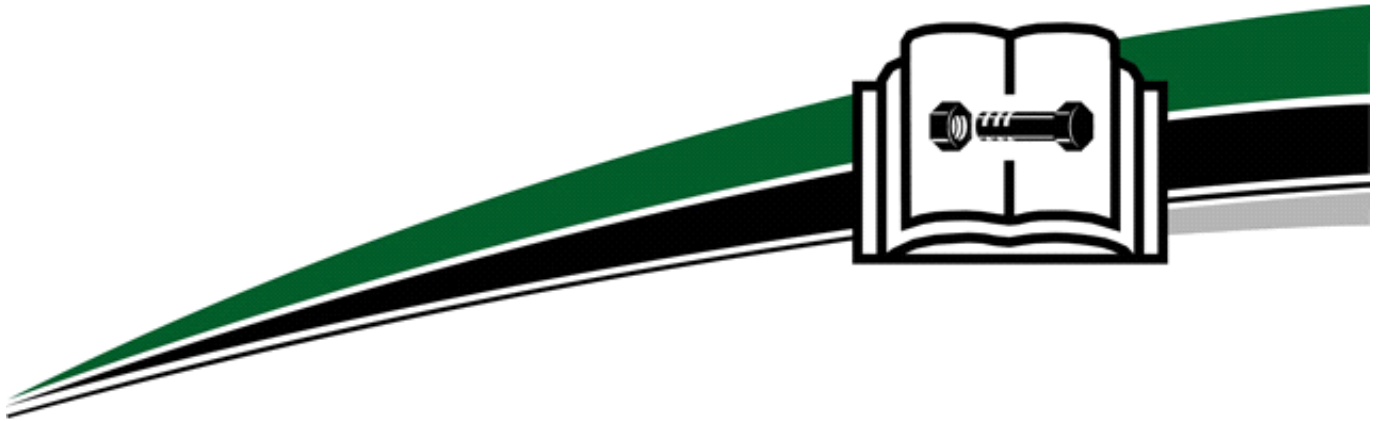


COMPONENTS-JOYSTICK

Fig 05-26

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	210498003	END PLATE	1	
2	210498005	SLIDE BLOCK	1	
3	210498007	SLIDE BLOCK	1	
4	210498009	PIVOT	1	
5	210498011	BALL CENTER	1	
6	210498013	HANDLE ADAPTER	1	
7	456001	NUT-3/4 N.F. HEX JAM	1	
8	210498015	SPOOL ADAPTER	2	
9	210498017	HEX PLUG	1	
10	210498019	STABILIZER	1	
11	210498021	HEX SOCKET CAP SCREW	1	
12	401001	NUT-1/4 NC HEX	1	
13	210498023	WASHER	1	
14	3888001	NUT-1/2 N.F. HEX JAM	1	
15	210498025	HEX SOCKET CAP SCREW	2	
16	210498027	LOCK WASHER-5/16(HIGH COLLAR)	2	
17	210498029	HEX SOCKET CAPSCREW	3	
18	210498033	BOOT	1	
19	480009	WASHER-7/16 S/T LOCK	1	
20	448001	NUT-7/16 N.F. HEX	1	
21	220085001	HANDLE-JOYSTICK	1	
22	201481001	KNOB-1 7/8 OD	1	
	210498001	JOYSTICK W/BOOT & INSTRUCTIONS	A/R	Includes All Items in Figure.

ENGINE & DRIVE



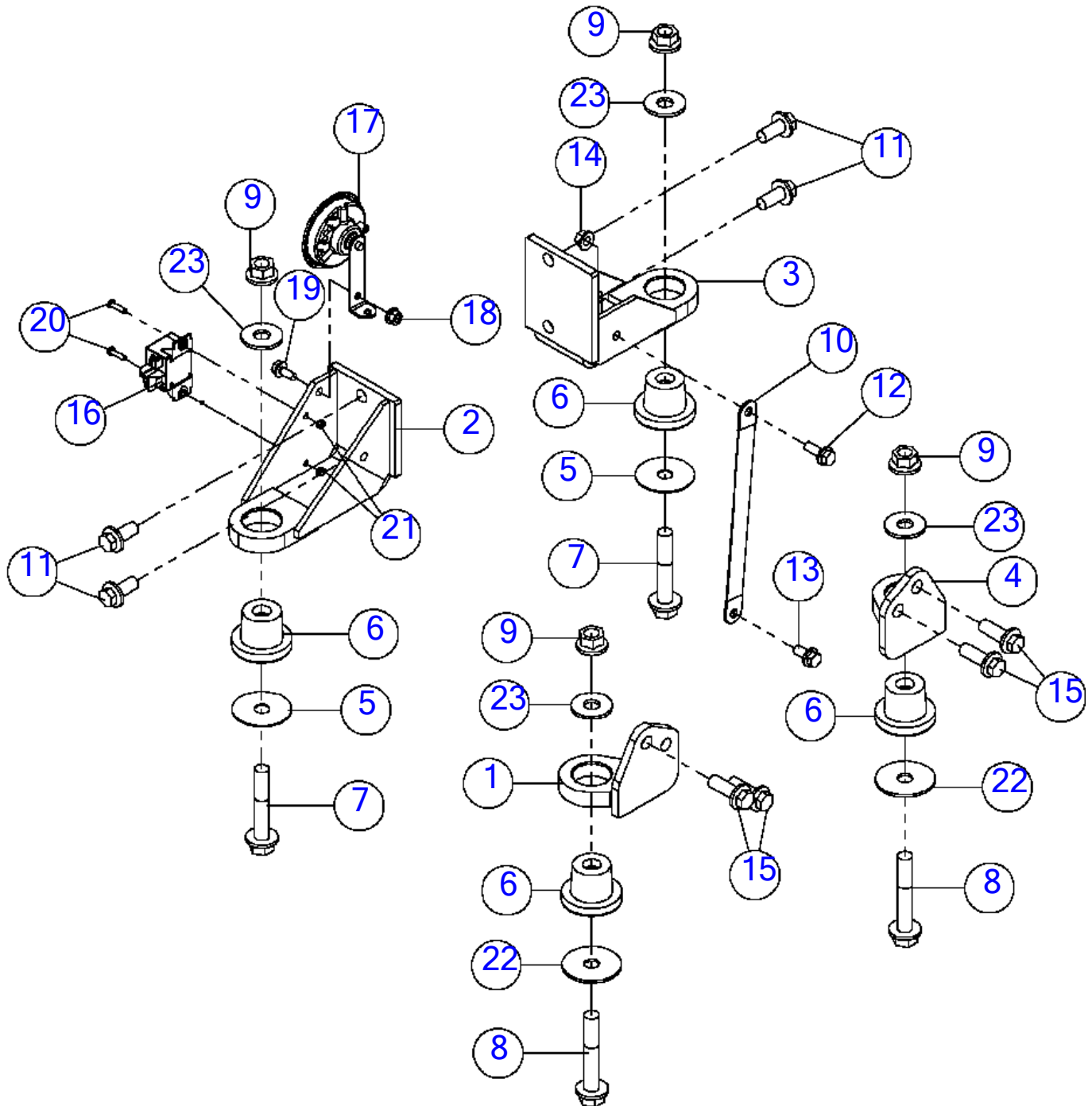
ENGINE & DRIVE

ENGINE MOUNT	Fig	06-01
ENGINE	Fig	06-02
COMPONENTS: ENGINE	Fig	06-02Z01
AIR CLEANER	Fig	06-03
COMPONENTS - AIR CLEANER	Fig	06-03Z01
ENGINE EXHAUST AIR DUCT	Fig	06-04
ENGINE OIL DRAIN	Fig	06-05
PUMP DRIVE	Fig	06-06
COLD START (ETHER ASSIST)	Fig	06-07
HORN AND RELAY	Fig	06-08

ENGINE MOUNT

Fig 06-01

Illustration No. 273662001



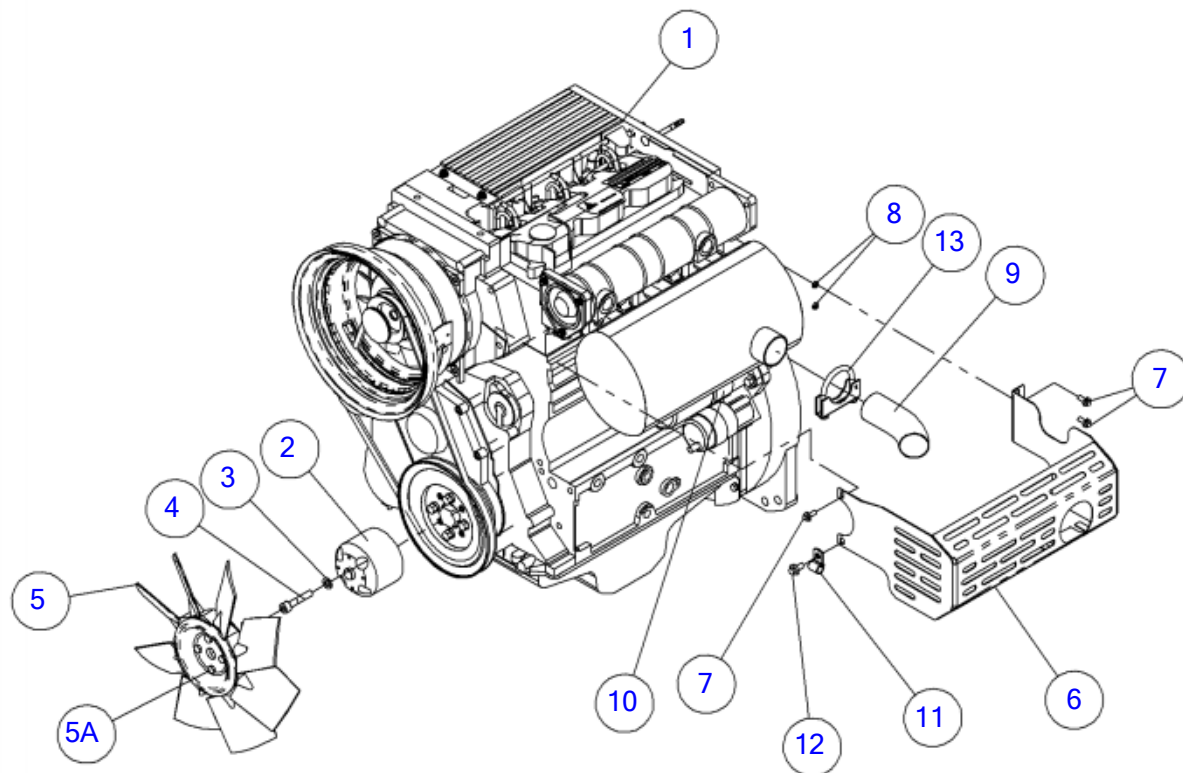
ENGINE MOUNT

Fig 06-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	230673001	MOUNT-REAR ENGINE (LH)	1	
2	230679001	MOUNT-FRONT ENGINE (L.H.)	1	
3	230676001	MOUNT-FRONT ENGINE (RH)	1	
4	230674001	MOUNT-REAR ENGINE (RH)	1	
5	203837001	WASHER-MOUNT SPACER	2	
6	2607001	MOUNT - M501-70NR	4	
7	296300808	SCREW-HFS-.63-11X3.50-GR8-YZ	2	
8	296300809	SCREW-HFS-.63-11X3.75-GR8-YZ	2	
9	296300852	NUT-HEXFLGTL-.63-11-G-YZ	4	
10	230196001	STRAP-4GA.X10" E-E BRAIDED GRN	1	
11	296300912	SCREW-HFS-M14-2.0X30-10.9-YZ-DIN6921	4	
12	296300772	SCREW-HFS-.38-16X1.00-GR8-YZ	1	
13	296300771	SCREW-HFS-.38-16X.75GR8-YZ	1	
14	296300850	NUT-HEXFLGTL-.38-16-G-YZ	1	
15	296300879	SCREW-HFS-M14-2.0X40-10.9-YZ-DIN6921	4	
16	86217001	RELAY-BOSCH SPST 75 AMP SEALED	1	
17	163632802	HORN - 12V LOW NOTE	1	
18	296300849	NUT-HEXFLGTL-.31-18-G-YZ	1	
19	296300762	SCREW-HFS-.31-18X.75-GR8-YZ	1	
20	242656001	SCREW-#10-24X3/4PAN HD PLT PHP	2	
21	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	2	
22	203646001	WASHER-MOUNT SPACER	2	
23	485015	WASHER-5/8 FLAT	4	

ENGINE

Fig 06-02



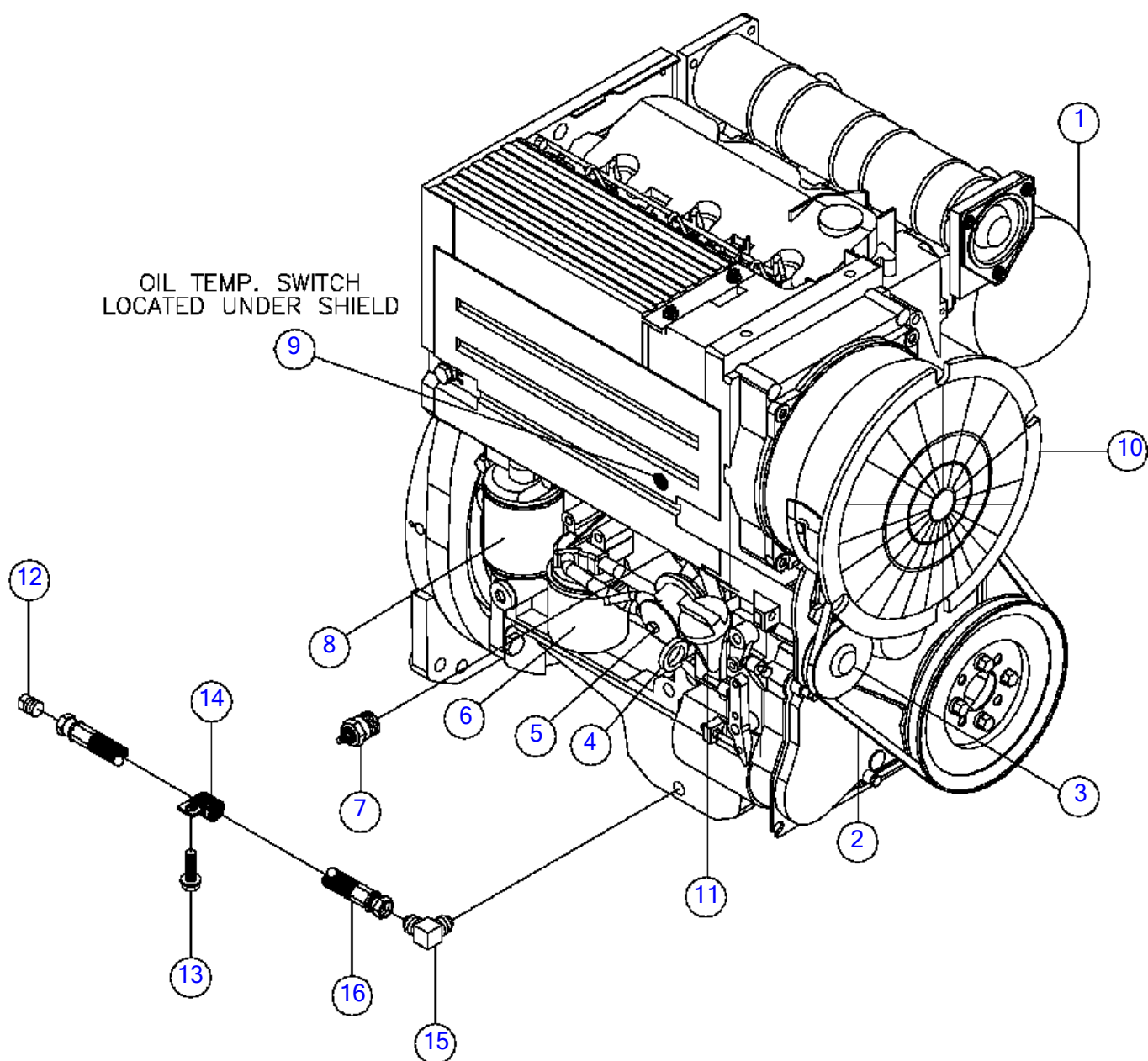
ENGINE

Fig 06-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	255360001R	ENGINE-DEUTZ, D2011 L03 I (TIER 4I - 42HP(REMAN)	1	Breakdown Fig. 6-2z01
1	(255360001)	*ENGINE-DEUTZ, D2011 L03 I (TIER 4I - 42HP@2500RPM)	1	Breakdown Fig. 6-2z01
2	264155001	HUB - COOLING FAN	1	
3	506047010	WASHER-LOCK,M10,YZ,D127B	4	
4	102642001	BOLT-M10X50MM DIN912GR12.9 SOC	4	
5	255354001	FAN - 13"	1	
5A	13395006	BOLT	4	
6	296315751	WELD-MUFFLER SHIELD	1	
7	507610016	SCREW-HFS,M6-1.00X16,10.9,YZ,D6921,FT	3	
8	14569001	NUT-HEX M6-1.00 CL8 YZ D934	2	
9	208219001	ELBOW-EXHAUST	1	
10	7000C869	DECAL-WARNING RUNOVER	1	Domestic
10	700IC869	DECAL-WARNING RUNOVER	1	International
11	2595001	HOSE CLAMP - TS7FR 1/2"	1	
12	507611016	SCREW-HFS,M8-1.25X16,10.9,YZ,D6921,FT	1	
13	2609005	MUFFLER CLAMP - 2"	1	

COMPONENTS: ENGINE

Fig 06-02Z01



COMPONENTS: ENGINE

Fig 06-02Z01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	224932025	MUFFLER	1	
1	(255349007)	MUFFLER	1	
1	902571037	GASKET MUFFLER	1	
1	(140107001)	GASKET-EXHAUST MANIFOLD	1	
2	224980005	V-BELT	1	
3	281000013	IDLER PULLEY	1	
4	224932005	DIPSTICK	1	
4	(255349009)	DIPSTICK	1	
5	255349011	FUEL PUMP	1	
5	902571009	GASKET-FUEL PUMP (ORING)	1	
5	(140103001)	GASKET-FUEL PUMP	1	
6	53629013	FILTER-FUEL	1	
6	262159001	FILTER - DEUTZ	1	In-line Filter
7	151936001	OIL PRESSURE SENDING UNIT	1	
7	(255349003)	OIL PRESSURE SWITCH	1	
8	140105001	FILTER-OIL	1	
9	207669001	SWITCH-OIL TEMP # 266F M14X1.5	1	
10	140098001	GUARD-BLOWER	1	
11	140097001	CAP-OIL FILL	1	
12	296301124	TACHO-GENERATOR	1	
13	296301125	SPACER - TACHO GENERATOR	1	
14	506031025	SCREW-HCS,M6-1.00X25,8.8,YZ,D933,FT	1	
15	109611001	FITTING-8MJICX18M-1.5-90METRIC	1	
16	53844353	HOSE-1/2X17 8FS JIC ST 2000PSI	1	
17	2595007	HOSE CLAMP - TS7J 3/4"	1	
18	4475010	BOLT-3/8-16X1 FLANGE WHIZ	1	
19	83637001	PLUG-#8 JIC MALE	1	
	255360001R	ENGINE-DEUTZ, D2011 L03 I (TIER 4I - 42HP(REMAN)	A/R	Incl. All Items in Figure.
	(255360001)	*ENGINE-DEUTZ, D2011 L03 I (TIER 4I - 42HP@2500RPM)	A/R	Incl. All Items in Figure.

AIR CLEANER

Fig 06-03

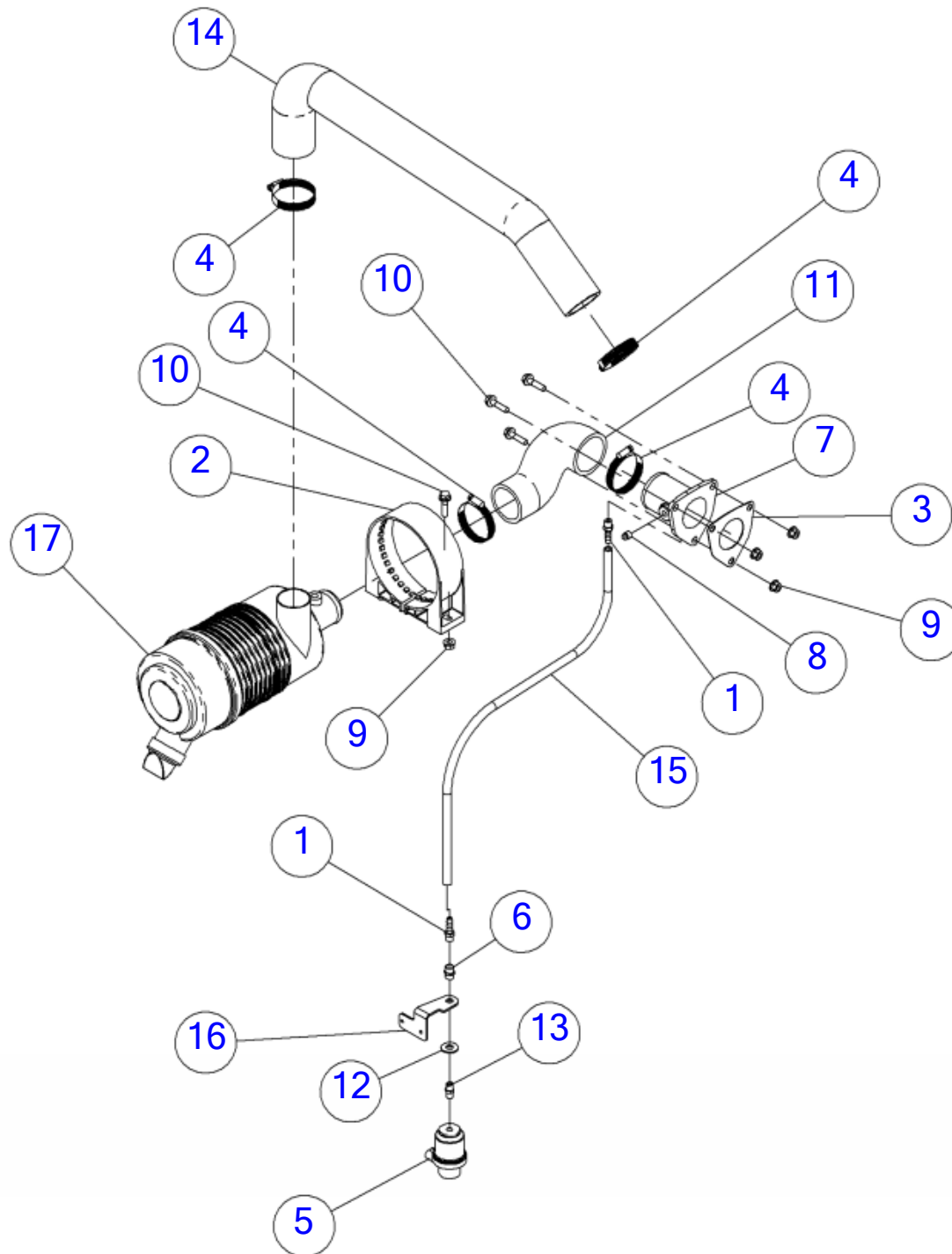


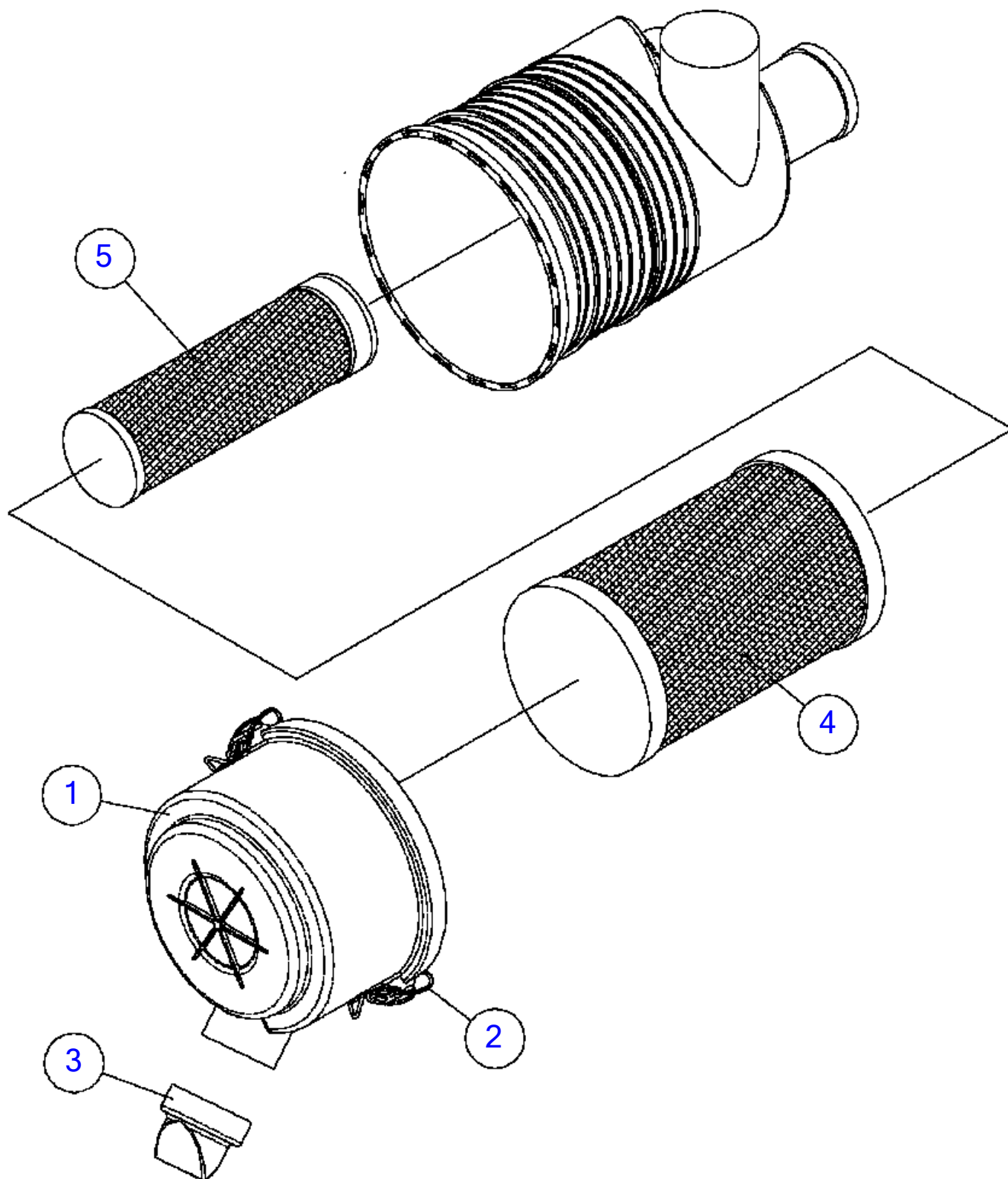
Illustration No. 296297597

AIR CLEANER**Fig 06-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	78171001	FITTING-1/8MNPTX5/16BARB STR.	2	
2	285373001	BRACKET-AIR FILTER	1	
3	207269001	GASKET-AIR INTAKE	1	
4	1580013	HOSE CLAMP - WORM GEAR - 2 1/16" - 3"	4	
5	258645001	INDICATOR-GRADUATED SWITCH,N/O 20"CALIBR	1	
6	3075001	FITTING-3300X2 WTHR-HD	1	
7	242387001	FLANGE-AIR INTAKE(MACHINE PRT)	1	
8	732001	PLUG-1/8" PIPE PLUG BLACK STEEL	1	
9	296300849	NUT-HEXFLGTL-.31-18-G-YZ	5	
10	296300764	SCREW-HFS-.31-18X1.25-GR8-YZ	5	
11	257799001	HOSE-DIESEL AIR INTAKE	1	
12	485007	WASHER-FLATSTD-.38-.44X1.00-.08-CZ	1	
13	258646001	FITTING - 1/8 - 27 NPT W/FILTER	1	
14	270300001	HOSE - AIR INTAKE	1	
15	620039	HOSE-5/16 FUEL LINE - 27.0	1	
16	258649001	BRACKET - INDICATOR MOUNT	1	
17	260902001	AIR CLEANER	1	Breakdown Fig. 6-3z01

COMPONENTS - AIR CLEANER

Fig 06-03Z01



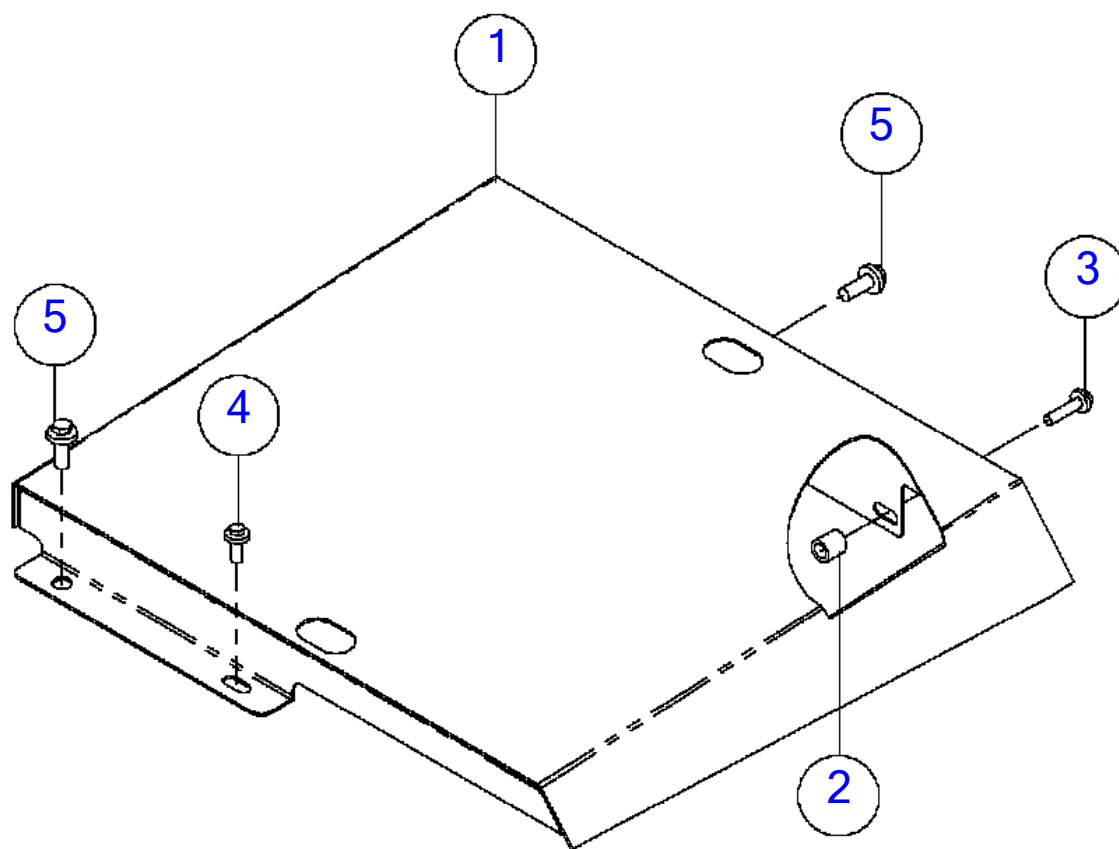
COMPONENTS - AIR CLEANER**Fig 06-03Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	224285009	COVER	1	
2	224285013	LATCH ASSEMBLY	2	
3	224285011	VALVE	1	
4	224285007	ELEMENT - PRIMARY	1	
5	296251230	ELEMENT - SAFETY	1	
	260902001	AIR CLEANER	A/R	Includes All Items in Figure

ENGINE EXHAUST AIR DUCT

Fig 06-04

Illustration No. 273663001

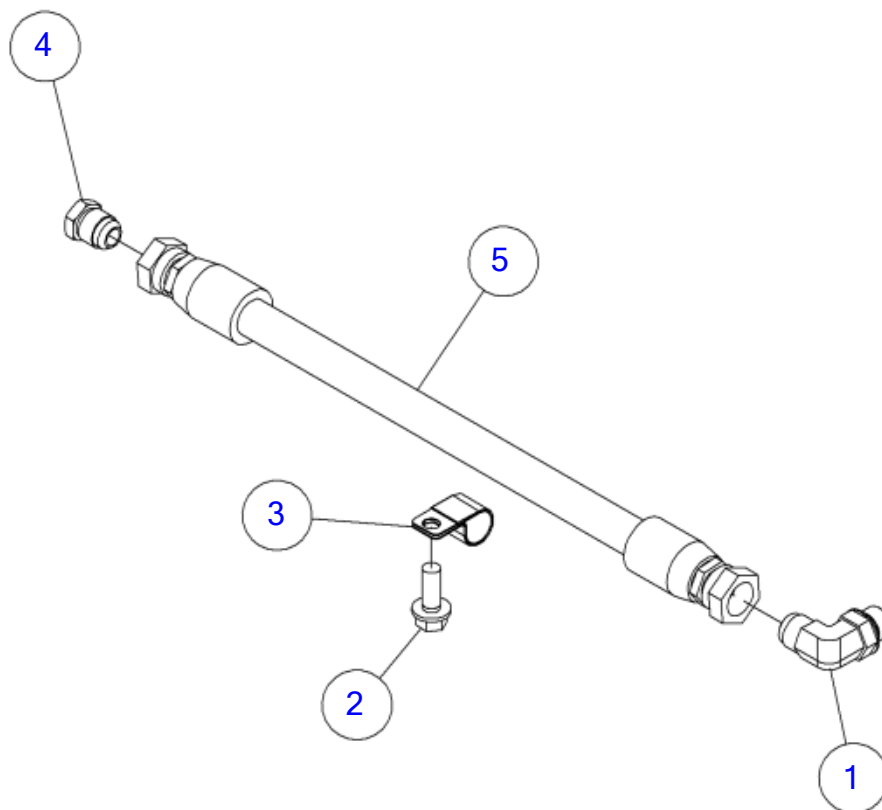


ENGINE EXHAUST AIR DUCT**Fig 06-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269586001	DUCT - EXHAUST AIR	1	
2	243924001	SPACER-ENGINE SHIELD	1	
3	507610025	SCREW-HFS,M6-1.00X25,10.9,YZ,D6921,FT	1	
4	507610016	SCREW-HFS,M6-1.00X16,10.9,YZ,D6921,FT	1	
5	507611020	SCREW-HFS,M8-1.25X20,10.9,YZ,D6921,FT	2	

ENGINE OIL DRAIN

Fig 06-05

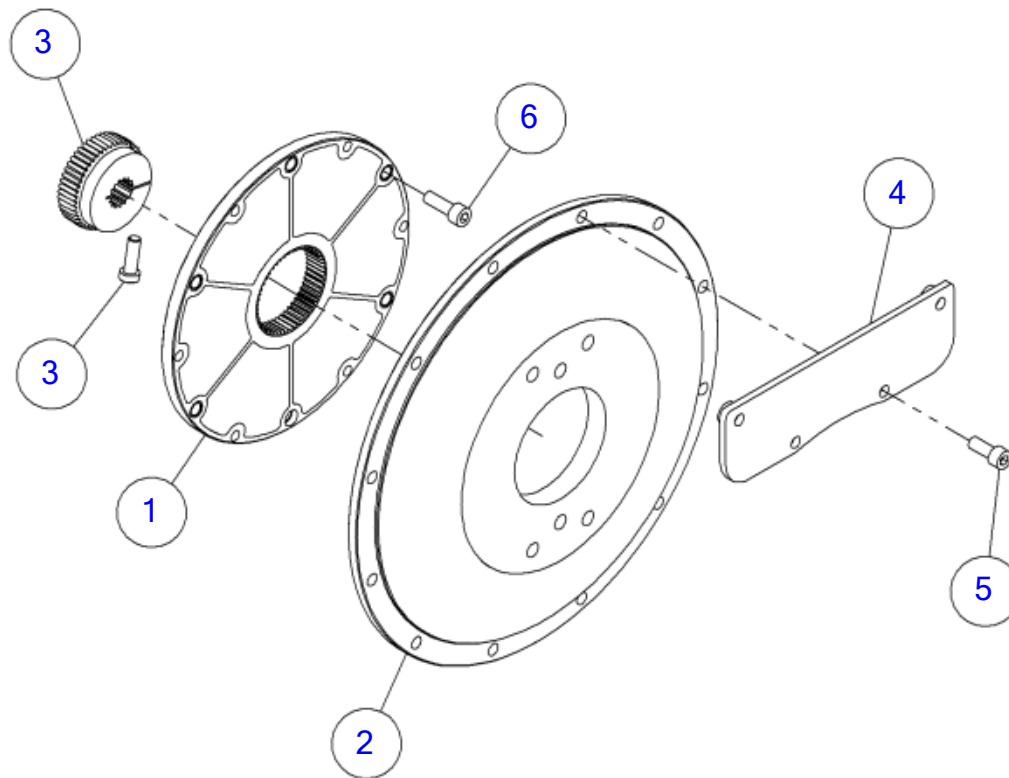


ENGINE OIL DRAIN**Fig 06-05**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	109611001	FITTING-8MJICX18M-1.5-90METRIC	1	
2	296300772	SCREW-HFS-...38-16X1.00-GR8-YZ	1	
3	2595007	HOSE CLAMP - TS7J 3/4"	1	
4	83637001	PLUG-#8 JIC MALE	1	
5	53844353	HOSE-1/2X17 8FS JIC ST 2000PSI	1	

PUMP DRIVE

Fig 06-06

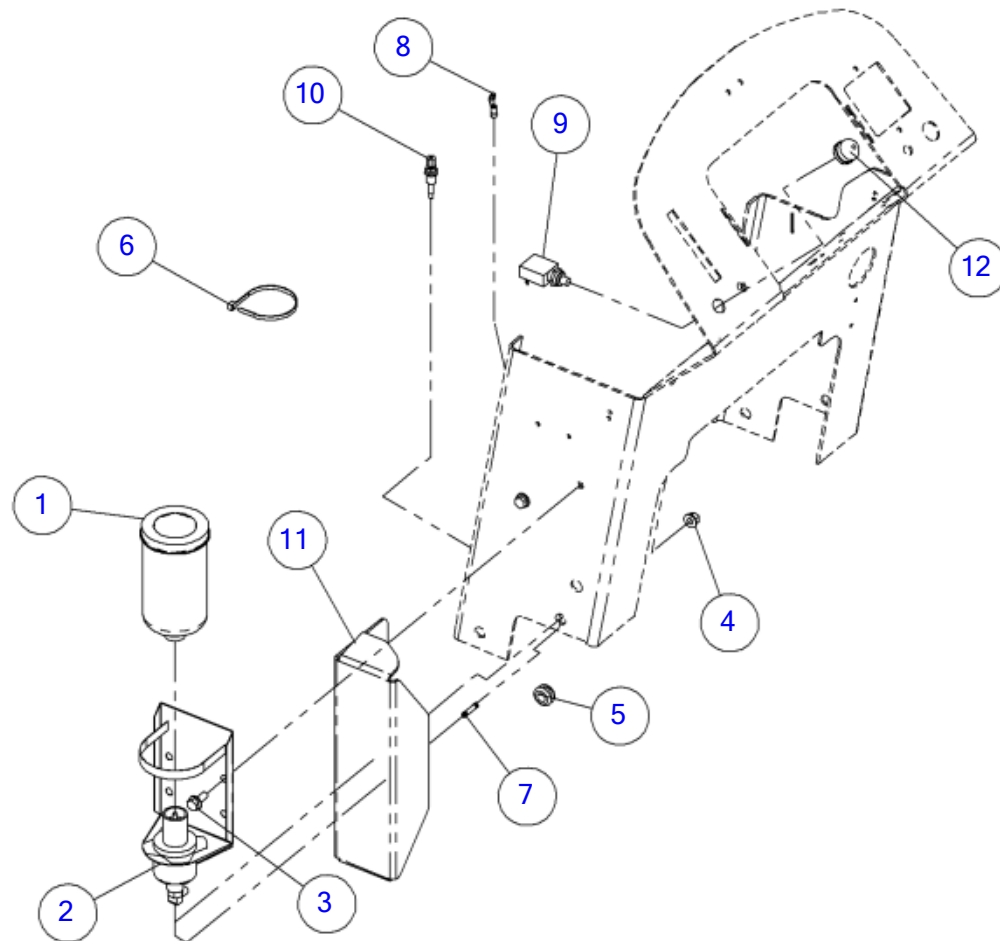


PUMP DRIVE**Fig 06-06**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	904569001	FLANGE - BOWEX 48, 8" NYLON	1	
2	904571001	PLATE - PUMP SAE 4 B, SPECIAL	1	
3	258648001	HUB-BOWEX 48T, 15T SPLINE, W/SNAP-RING	1	
4	256745001	PLATE-ASSEMBLY THROTTLE/AIR CLEANER MTG	1	
5	13624001	BOLT-10MM X 25 MM METRIC SHCS	11	
6	24411001	BOLT-M10-1.50X30MM METRIC SHCS	6	

COLD START (ETHER ASSIST)

Fig 06-07

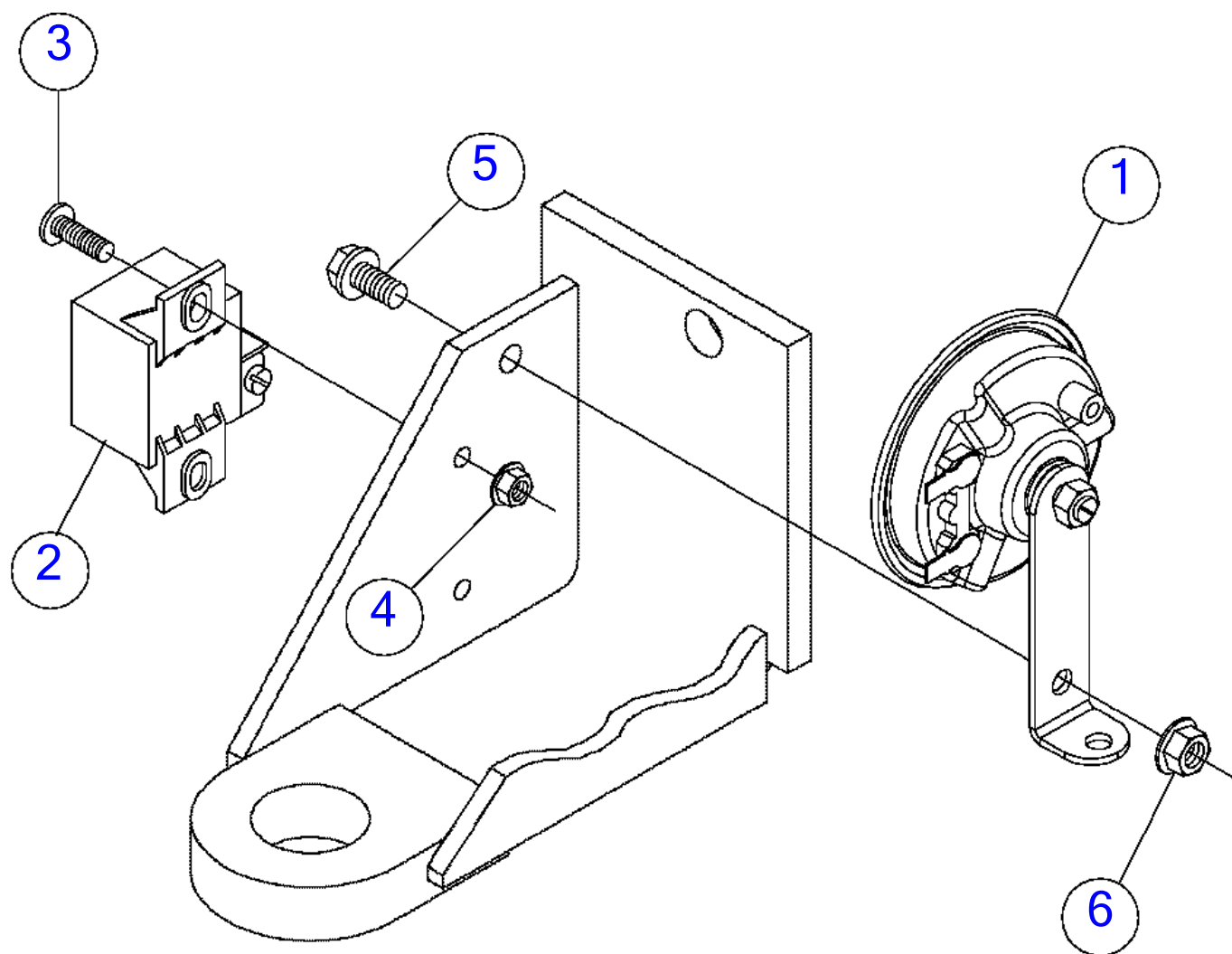


COLD START (ETHER ASSIST)**Fig 06-07**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296279823	CYLINDER - 8 OZ ETHER 3" DIA X 6" TALL	1	
2	224905001	START KIT-12V 1.5CC ELC. VALVE	1	
3	296300762	SCREW-HFS-.31-18X.75-GR8-YZ	2	
4	296300849	NUT-HEXFLGTL-.31-18-G-YZ	2	
5	1865005	GROMMET - 2560 BLACK	1	
6	59634001	SINGLE NYTIE - 8"	1	
7	69153001	CONNECTOR	1	
8	78124001	TERMINAL-5/16 RING 16-14 GA.	1	
9	66816001	SWITCH - MOMENTARY	1	
10	223972001	ATOMIZER-START FLUID 2HOLE 180	1	
11	223644001	GUARD-ETHER CYLINDER	1	
12	90622001	COVER-PUSHBUTTON SWITCH 5/8-32	1	

HORN AND RELAY

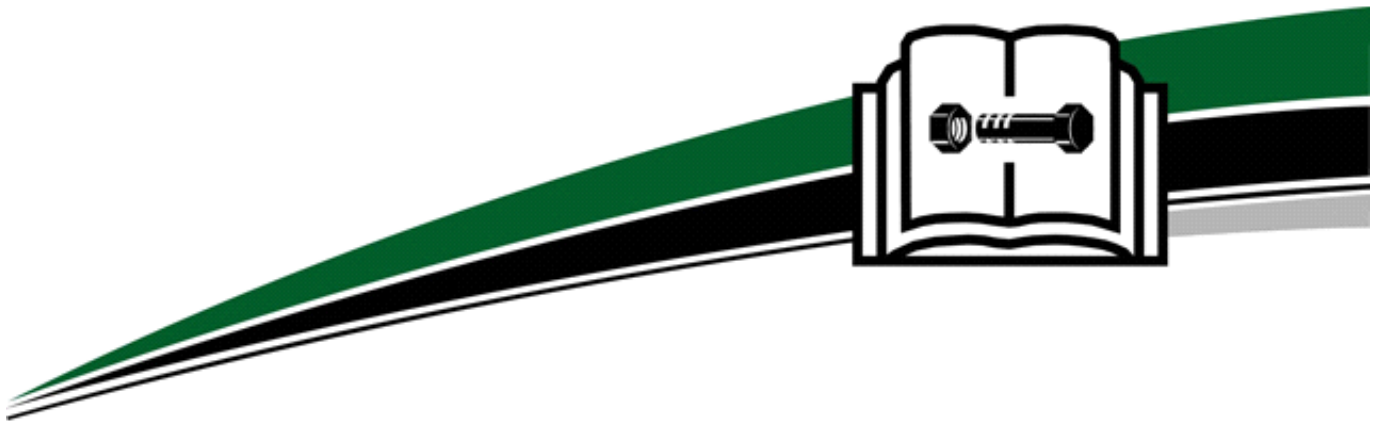
Fig 06-08



HORN AND RELAY**Fig 06-08**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	163632802	HORN - 12V LOW NOTE	1	
2	86217001	RELAY-BOSCH SPST 75 AMP SEALED	1	
3	242656001	SCREW-#10-24X3/4PAN HD PLT PHP	2	
4	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	2	
5	4474006	BOLT-5/16-18X3/4 FLANGE WHIZ	1	
6	409001	NUT-5/16 NC SLTL	1	

CONTROLS / ELECTRICAL



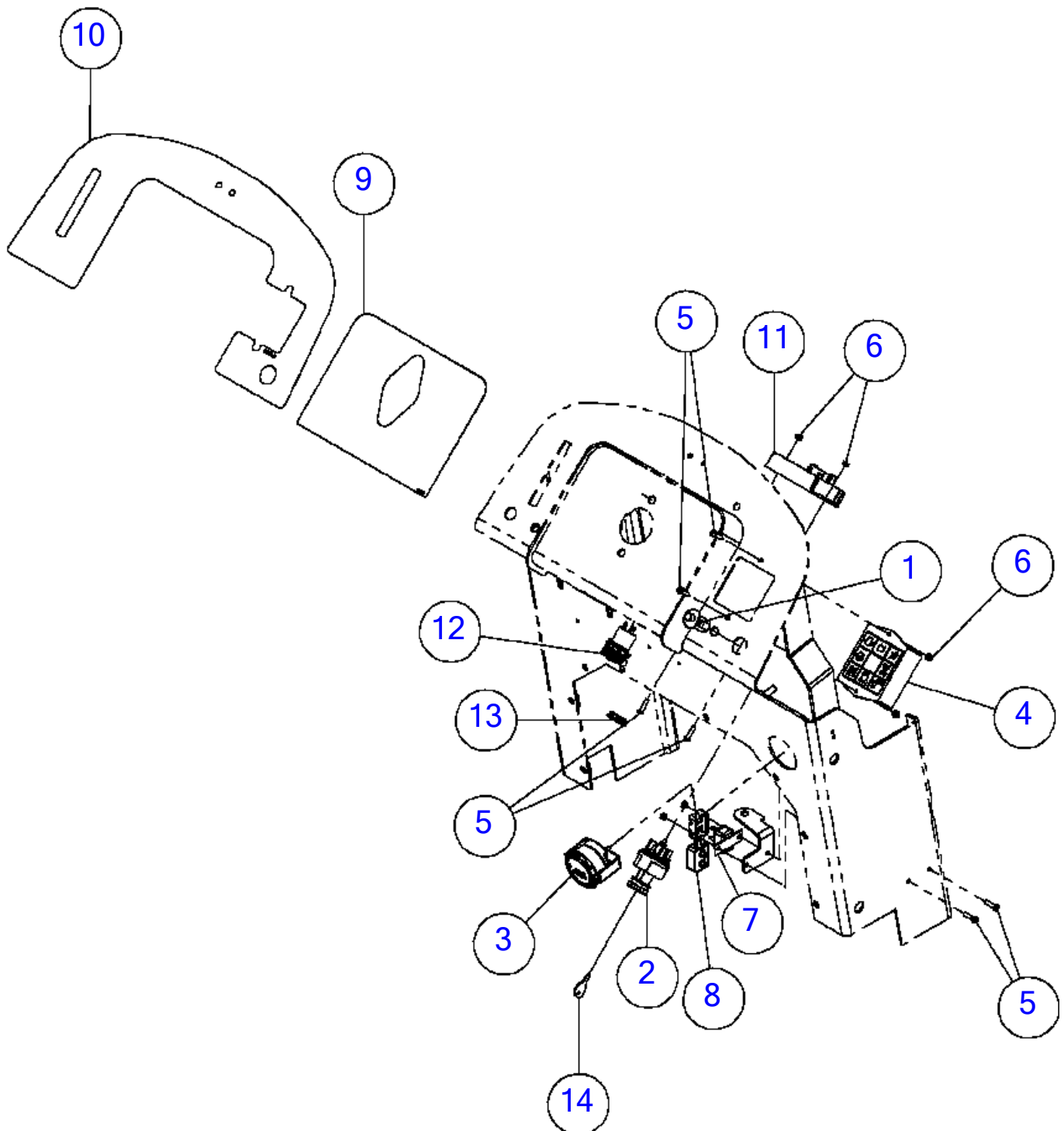
CONTROLS / ELECTRICAL

INSTRUMENT PANEL	Fig	07-01
BATTERY	Fig	07-02
THROTTLE LINKAGE	Fig	07-03
PARKING BRAKE	Fig	07-04
PARKING BRAKE LINKAGE (DELETED)	Fig	07-05
TRENCHER CONTROL	Fig	07-06
CREEP CONTROL LINKAGE	Fig	07-07
COMPONENTS: CENTERING SPRING	Fig	07-07Z01
RT450 ELECTRICAL ASSEMBLY - MAIN	Fig	07-08
HIGHWAY SAFETY LIGHTS (2 POST ROPS)	Fig	07-09
ELECTRICAL - HIGHWAY SAFETY LIGHTS	Fig	07-10
CREEP CONTROL (DELETED)	Fig	07-11

INSTRUMENT PANEL

Fig 07-01

Illustration No. 296297600



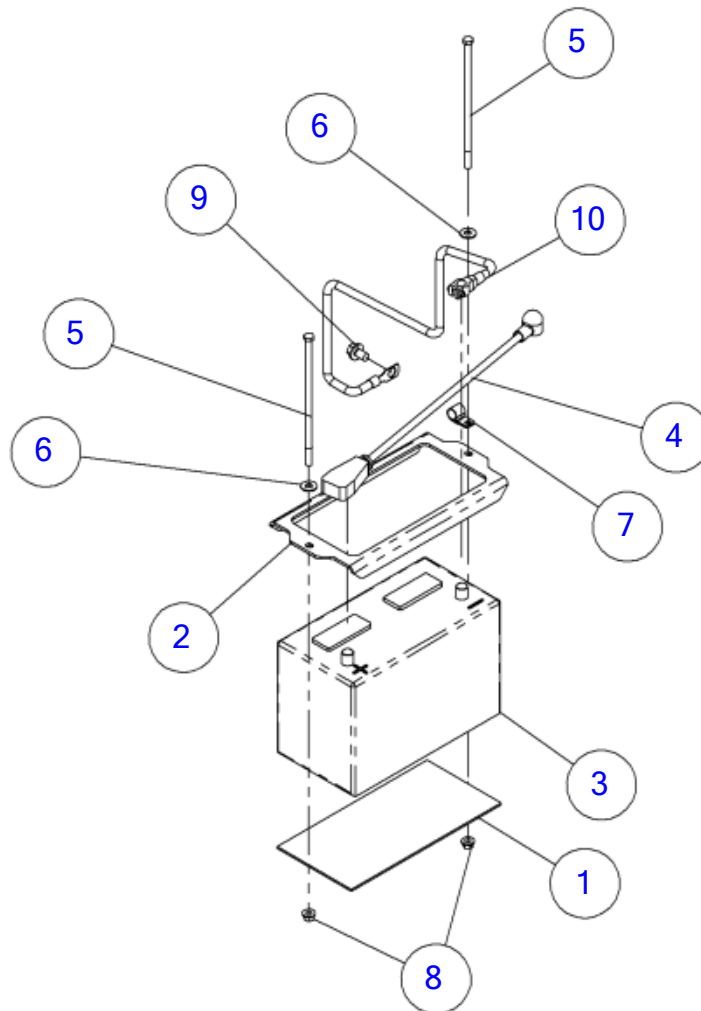
INSTRUMENT PANEL

Fig 07-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	4177001	*SWITCH	1	(HORN)
2	229801001	SWITCH-IGNITION (4 TERMINAL)	1	
3	180006564	GAUGE-HOUR METER MAXIMA	1	
4	271133001	MODULE-LED DISPLAY/ENGINE SHUTDOWN	1	
5	242656001	SCREW-#10-24X3/4PAN HD PLT PHP	6	
6	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	6	
7	86582001	BREAKER-40A TYPE 1 W/METALCASE	1	
8	285930001	PROTECTOR - CIRCUIT BREAKER	1	
8	(242615001)	BOOT-CIRCUIT BREAKER	1	
9	7000A947	DECAL-CONTROL PANEL	1	
10	700IC069	DECAL - MAIN CONTROL PANEL	1	
11	262965001	MODULE - ENGINE INTERLOCK W/TIMER	1	
12	265835001	OUTLET - 12V AUX POWER	1	
13	233447001	PLUG-1" HOLE (BLACK)	1	
14	229802001	*KEY-IGNITION SWITCH (SET OF 2)	A/R	

BATTERY

Fig 07-02



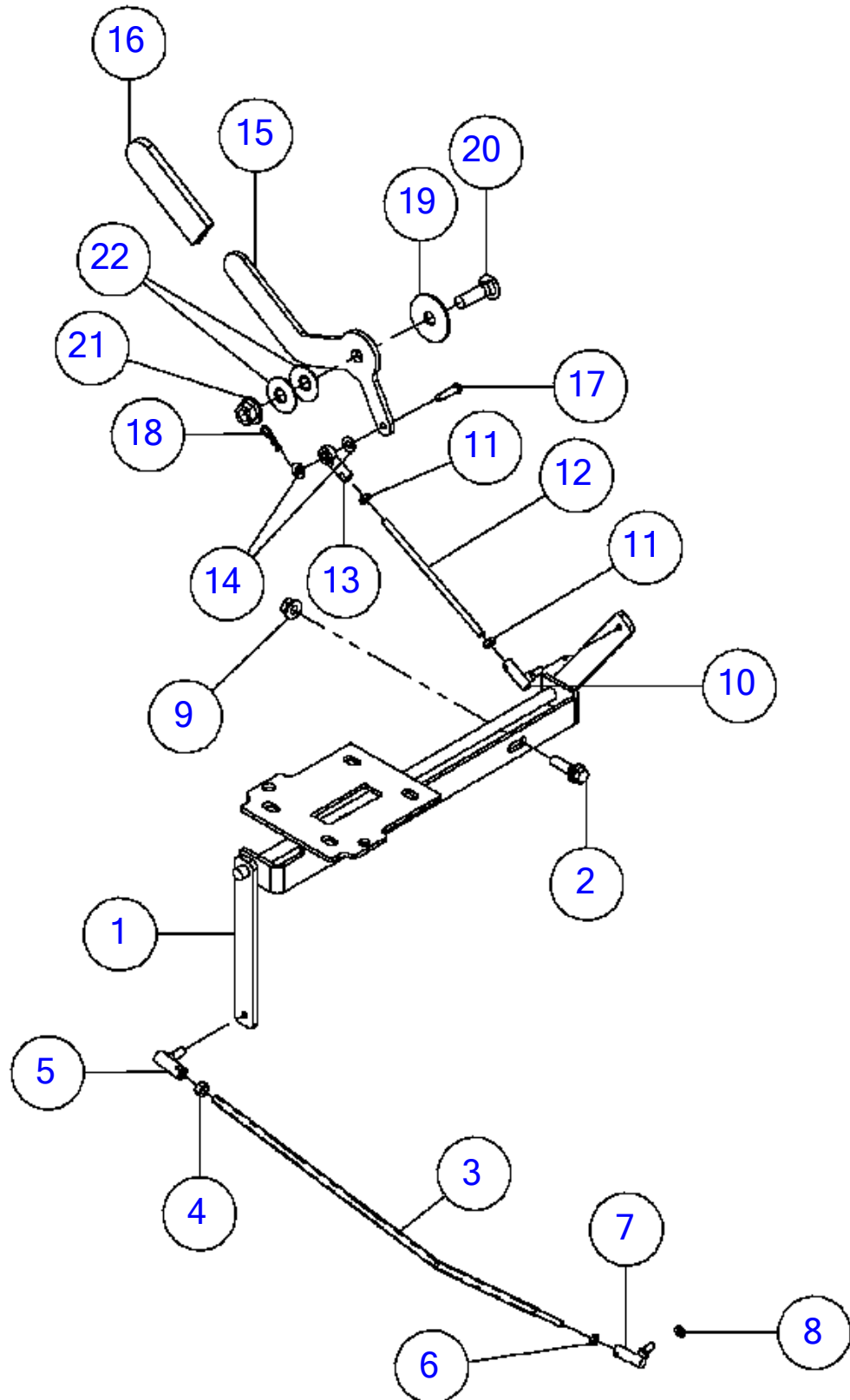
BATTERY**Fig 07-02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	208286001	PAD-BATTERY CUSHION	1	
2	243853001	HOLD DOWN - BATTERY	1	
3		BATT. 660CC AMP- GROUP 31	1	Not Available (Interstate 29H-VHD)
4	233758001	BATT.CABLE-2/0 GA.88"P-E(RED)	1	
5	243901001	BOLT-3/8-16X9 1/2 GR5 HHC ZP	2	
6	485007	WASHER-FLATSTD-.38-.44X1.00-.08-CZ	2	
7	2595007	HOSE CLAMP - TS7J 3/4"	1	
8	296300850	NUT-HEXFLGTL-.38-16-G-YZ	2	
9	296300873	SCREW-HFS-.50-13X.75-GR8-YZ	1	
10	296294530	CABLE - 32" NEGATIVE BATTERY GROUNDING	1	

THROTTLE LINKAGE

Fig 07-03

Illustration No. 296297604



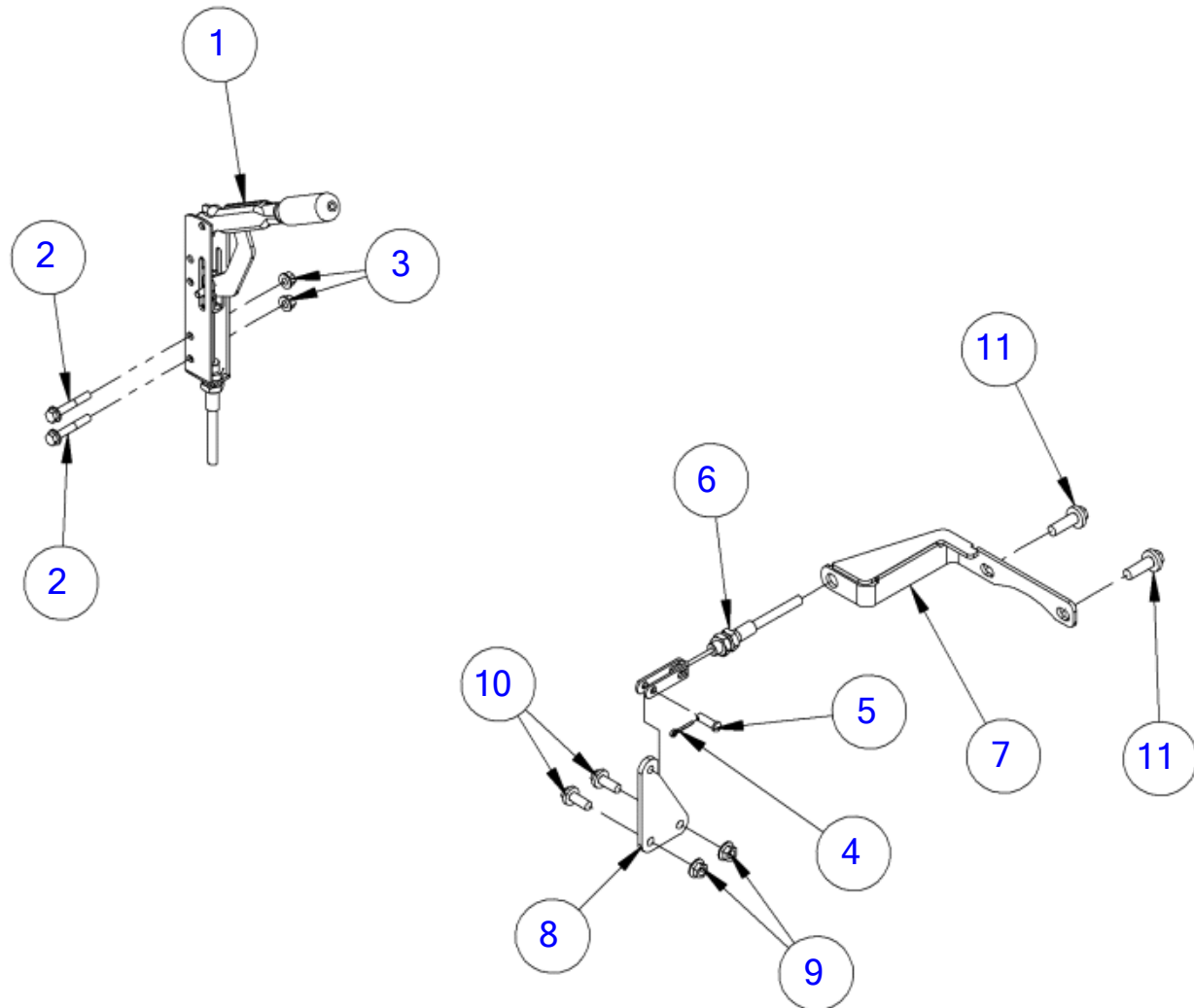
THROTTLE LINKAGE

Fig 07-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	218078001	MOUNT-THROTTLE/AIR CLEANER	1	
2	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
3	218084001	ROD-THROTTLE PUSH/PULL	1	
4	510323501	NUT-HEX-.31-24-GR2-YZ	1	
5	4153001	BALL JOINT - 5/16 SUPERIOR	1	
6	14569001	NUT-HEX M6-1.00 CL8 YZ D934	1	
7	218081001	BALL JOINT-1/4"SP W/M6X1.0 THD	1	
8	506047006	WASHER-LOCK,M6,YZ,D127B	1	
9	296300850	NUT-HEXFLGTL-.38-16-G-YZ	2	
10	1489001	BALL JOINT - 1/4" SP1002 CP	1	
11	14881001	*NUT-1/4-28 NF HEX JAM	2	
12	218085001	ROD-THROTTLE LINKAGE	1	
13	220740001	BALL JOINT-1/4-28 FEMALE THDS.	1	
14	235716001	WASHER - FLATSTRL - .25 -.28 X .63 - .06 - CZ	2	
15	218077001	LEVER-THROTTLE	1	
16	201477001	HANDLE-BLACK PLASTIC 4"	1	
17	2110003	PIN - CLEVIS 1/4 X 7/8 - 47/64 UL ZINC	1	
18	1794007	HAIR PIN COTTER - .080 WIRE	1	
19	67892001	DISC-THROTTLE FRICTION	1	
20	510310116	BOLT-CARG-.50-13X1.75-GR5-YZ	1	
21	296300851	NUT-HEXFLGTL-.50-13-G-YZ	1	
22	63471001	WASHER-SPRING 1/2"IDX.070	2	

PARKING BRAKE

Fig 07-04



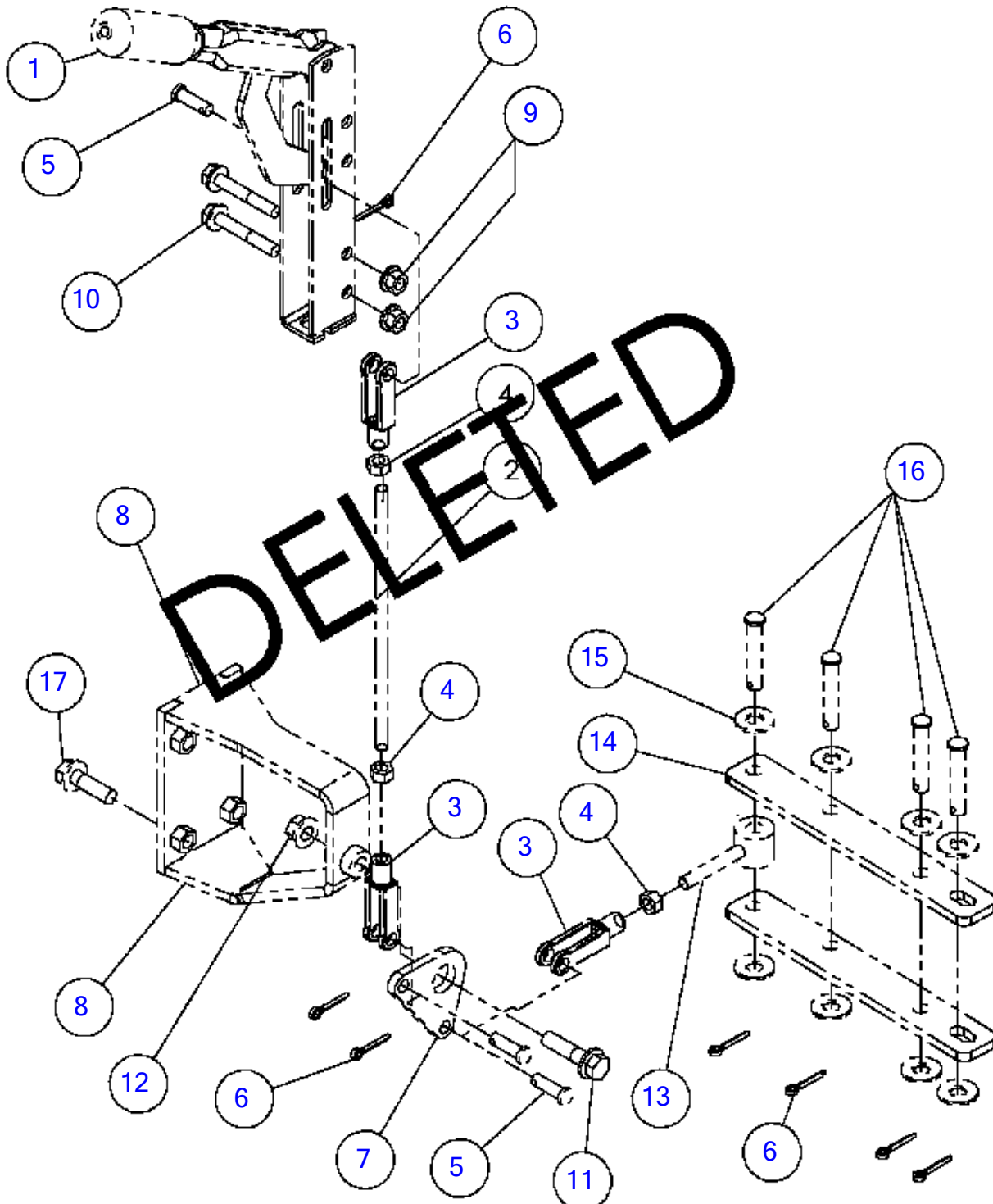
PARKING BRAKE**Fig 07-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	16463001	BRAKE-PARKING W/LEVER	1	
2	296300767	SCREW-HFS-.31-18X2.00-GR8-YZ	2	
3	296300849	NUT-HEXFLGTL-.31-18-G-YZ	2	
4	510009	COTTER PIN-1/8" X 1"	1	
5	2110011	PIN-CLEVIS 5/16X1 - 49/64 UL	1	
6	223965001	CABLE-BRAKE 49.50"E-E 4"STROKE	1	
7	296303562	MOUNT - BRAKE CABLE	1	
8	296303580	LEVER - PARK BRAKE	1	
9	507085010	NUT-HEXFLNG LOCK, M10-1.50,10.9,YZ,D6927	2	
10	507612025	SCREW-HFS,M10-1.50X25,10.9,YZ,ANSI,B18.2.3.9M,FT	2	
11	507613035	SCREW-HFS,M12-1.75X35,10.9,YZ,ANSI,B18.2.3.9M,FT	2	

PARKING BRAKE LINKAGE (DELETED)

Fig 07-05

Illustration No. 296297601



PARKING BRAKE LINKAGE (DELETED)

Fig 07-05

TRENCHER CONTROL

Fig 07-06

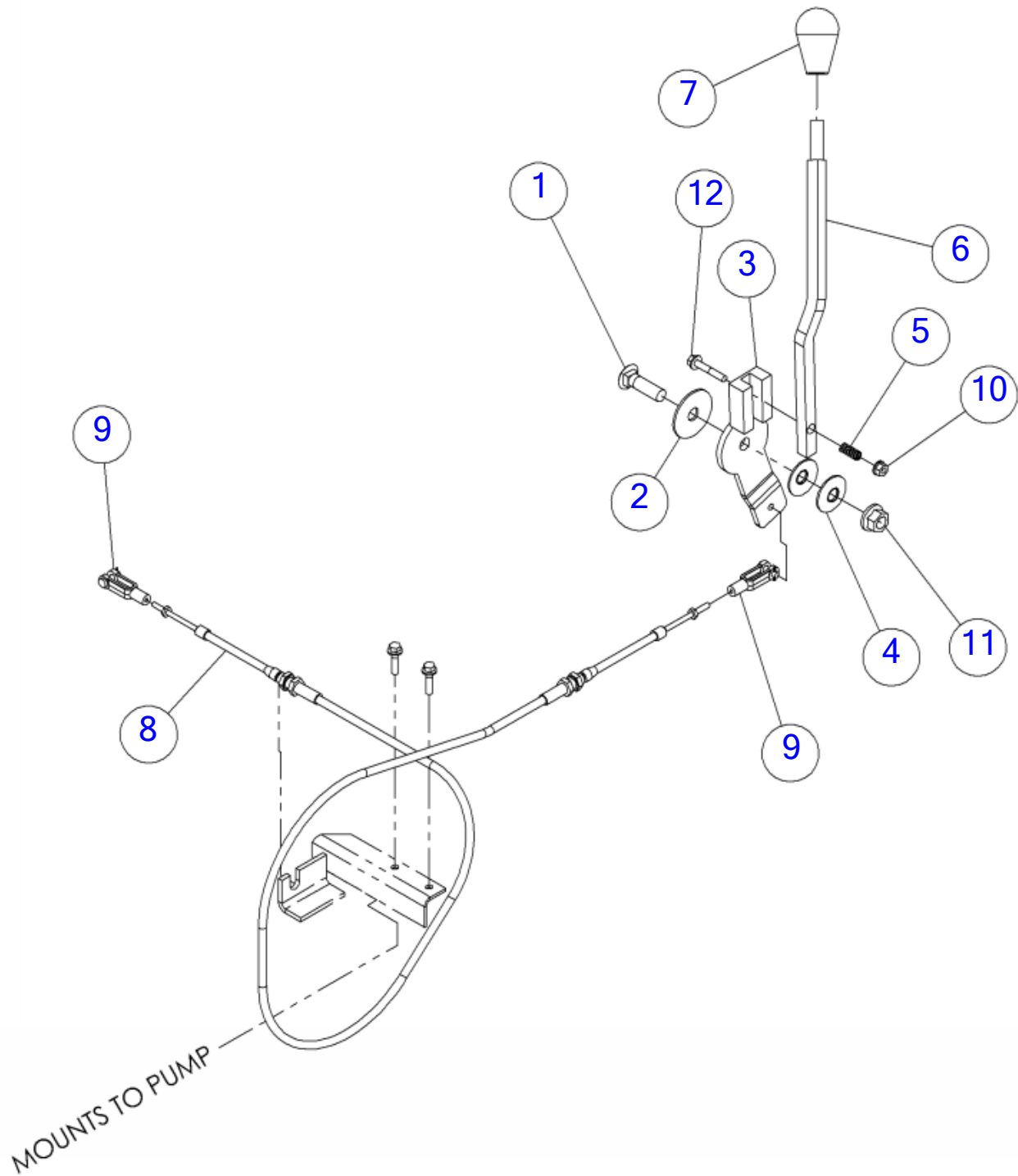


Illustration No. 296297602

TRENCHER CONTROL

Fig 07-06

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	510310116	BOLT-CARG-.50-13X1.75-GR5-YZ	1	
2	67892001	DISC-THROTTLE FRICTION	1	
3	224598001	MOUNT-HANDLE	1	
4	63471001	WASHER-SPRING 1/2"IDX.070	2	
5	219199001	SPRING-COMP .360 OD X.055-.812	1	
6	233858001	LEVER-REAR ATTACH.CONTROL	1	
7	223933001	KNOB - #259 OVAL 1/2-13(YELLOW	1	
8	202971001	CONTROL CABLE-173-VTT-3-60	1	
9	2786001	CLEVIS-A31125 30 SERIES	2	
10	296300848	NUT-HEXFLGTL-.25-20-G-YZ	1	
11	296300851	NUT-HEXFLGTL-.50-13-G-YZ	1	
12	296300756	SCREW-HFS-.25-20X1.50-GR8-YZ	1	

CREEP CONTROL LINKAGE

Fig 07-07

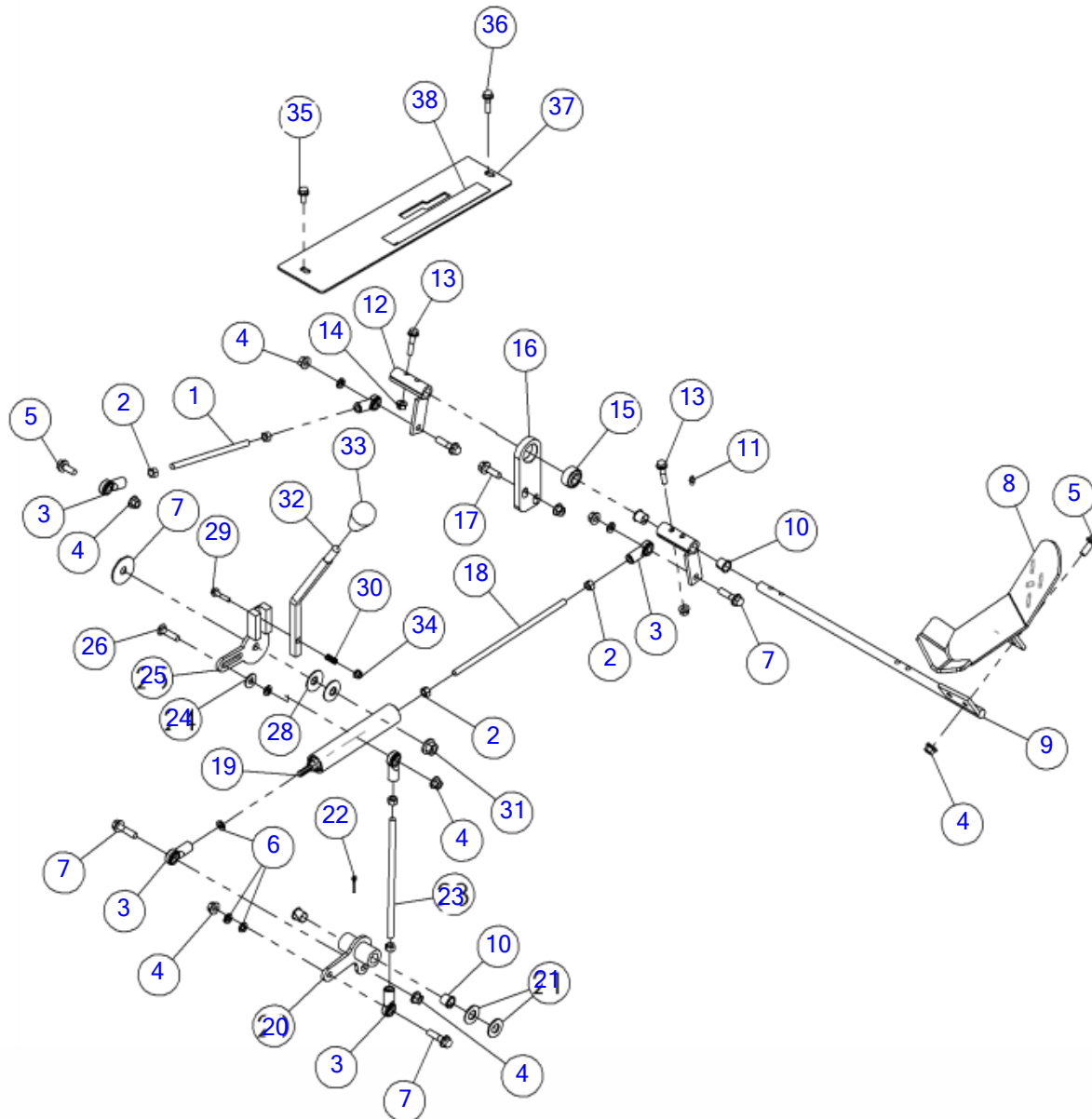


Illustration No. 296297603

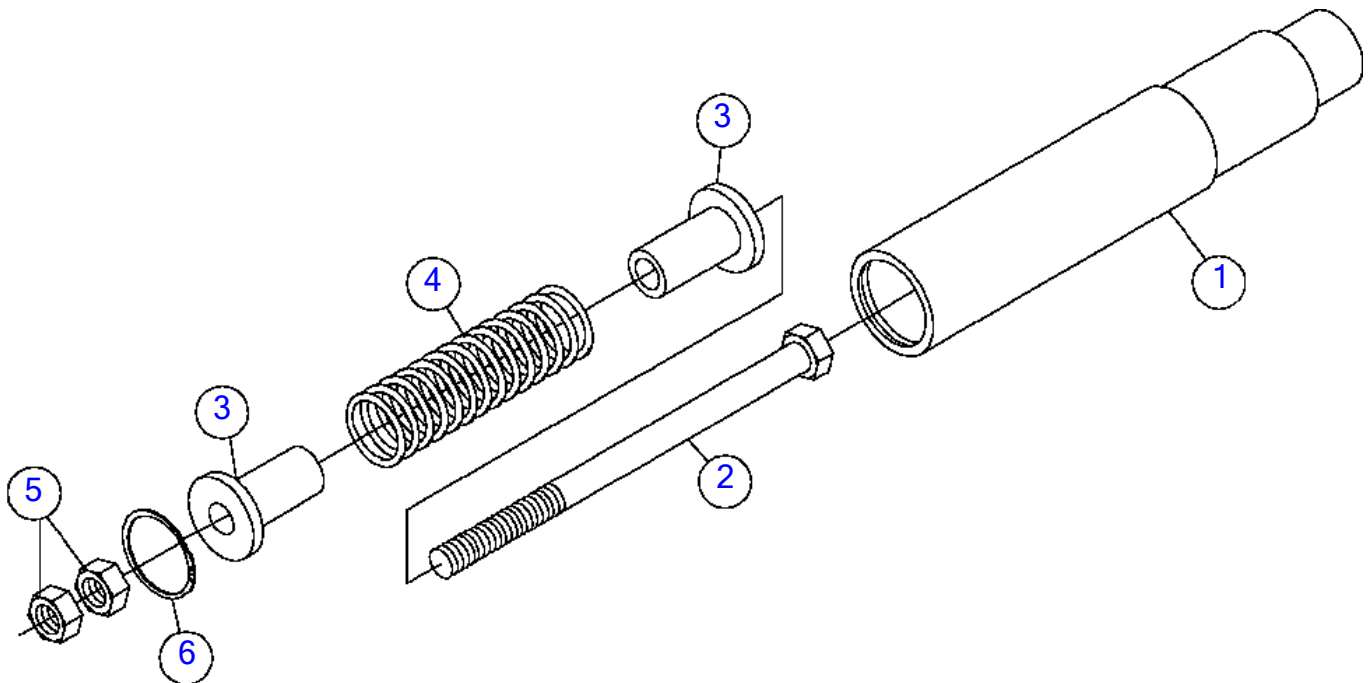
CREEP CONTROL LINKAGE

Fig 07-07

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	258644001	ROD - CREEP	1	
2	446001	NUT-3/8 NF HEX	6	
3	56220001	BALL JOINT 3/8 X 3/8 UNF FEMALE	6	
4	296300850	NUT-HEXFLGTL-.38-16-G-YZ	10	
5	296300772	SCREW-HFS-.38-16X1.00-GR8-YZ	3	
6	510335707	WASHER-LOCK-.38-.39X.68-.09-YZ	7	
7	296300774	SCREW-HFS-.38-16X1.50-GR8-YZ	4	
8	265269001	PEDAL - FWRD / REV	1	
9	233762001	ROD-GROUND DRIVE CONTROL	1	
10	209017	BUSHING-NYLINER 5/8ID X 5/8	4	
11	598001	FITTING-1/4" NF ST GREASE ZERK	2	
12	233760001	LEVER-GROUND DRIVE	2	
13	296300765	SCREW-FS-.31-18X1.50-GR8-YZ	4	
14	296300849	NUT-HEXFLGTL-.31-18-G-YZ	4	
15	233766001	BUSHING-1 5/16X5/8-3/4 BALL	1	
16	261467001	MOUNT-SHAFT SUPPORT	1	
17	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
18	218783001	ROD-CREEP	1	
19	218814001	CENTERING SPRING ASSY	1	Breakdown Fig. 7-7z01
20	224612001	CRANK-BELL	1	
21	235715001	WASHER-FLATSTRL-5/8" YZ A325	2	
22	510009	COTTER PIN-1/8" X 1"	1	
23	224600001	ROD-GROUND DRIVE	1	
24	510337607	WASHER-FLATSTD-.38-.44X1.00-.08-YZ	1	
25	218785001	LEVER-CREEP PIVOT	1	
26	510308114	BOLT-CARG-.38-16X1.50-GR5-YZ	1	
27	67892001	DISC-THROTTLE FRICTION	1	
28	63471001	WASHER-SPRING 1/2"IDX.070	2	
29	296300755	SCREW-HFS-.25-20X1.25-GRI-YZ	1	
30	219199001	SPRING-COMP .360 OD X.055-.812	1	
31	296300851	NUT-HEXFLGTL-.50-13-G-YZ	1	
32	233857001	LEVER-CONTROL CREEP	1	
33	223932001	KNOB-#259 OVAL 1/2-13 (ORANGE)	1	
34	296300848	NUT-HEXFLGTL-.25-20-G-YZ	1	
35	296300860	SCREW-HFS-.31-18X.75-GR8-YZ-PATCH	1	
36	296300764	SCREW-HFS-.31-18X1.25-GR8-YZ	1	
37	224613001	GUIDE-CREEP LEVER	1	
38	700IA300	DECAL-HYDRAULIC CREEP (UND)	1	

COMPONENTS: CENTERING SPRING

Fig 07-07Z01

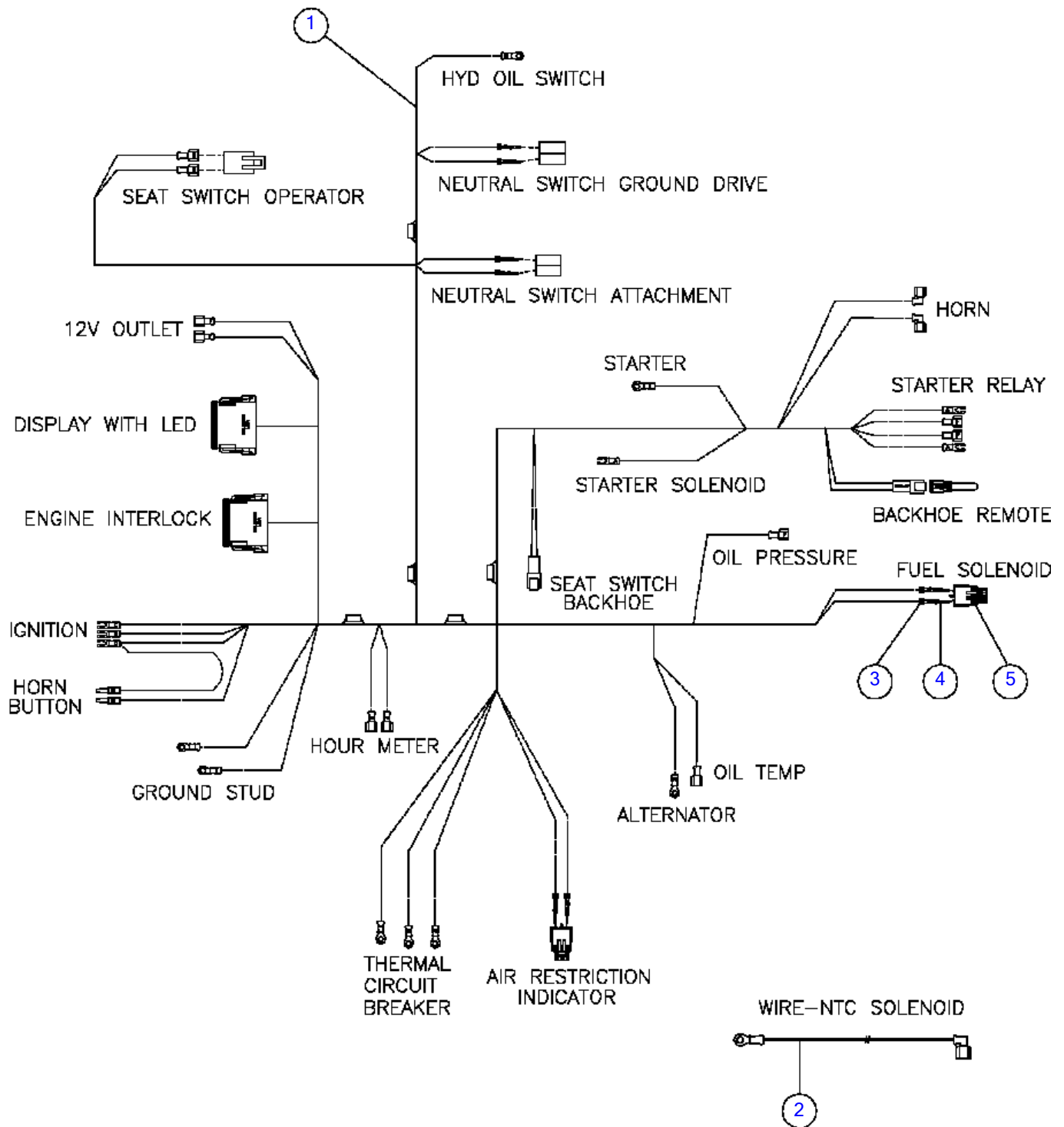


COMPONENTS: CENTERING SPRING**Fig 07-07Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	206994001	TUBE - SPRING CENTER	1	
2	206998001	BOLT-MODIFIED	1	
3	206999001	COLLAR-CENTER SPRING	2	
4	219247001	SPRING-COMPRESSION .970 OD X .105 WIRE - 6.00	1	
5	446001	NUT-3/8 NF HEX	2	
6	602112	SNAP RING-N5000-112 1 1/8	1	
	218814001	CENTERING SPRING ASSY	A/R	Inc. Ref. No.'s 1-6

RT450 ELECTRICAL ASSEMBLY - MAIN

Fig 07-08



RT450 ELECTRICAL ASSEMBLY - MAIN

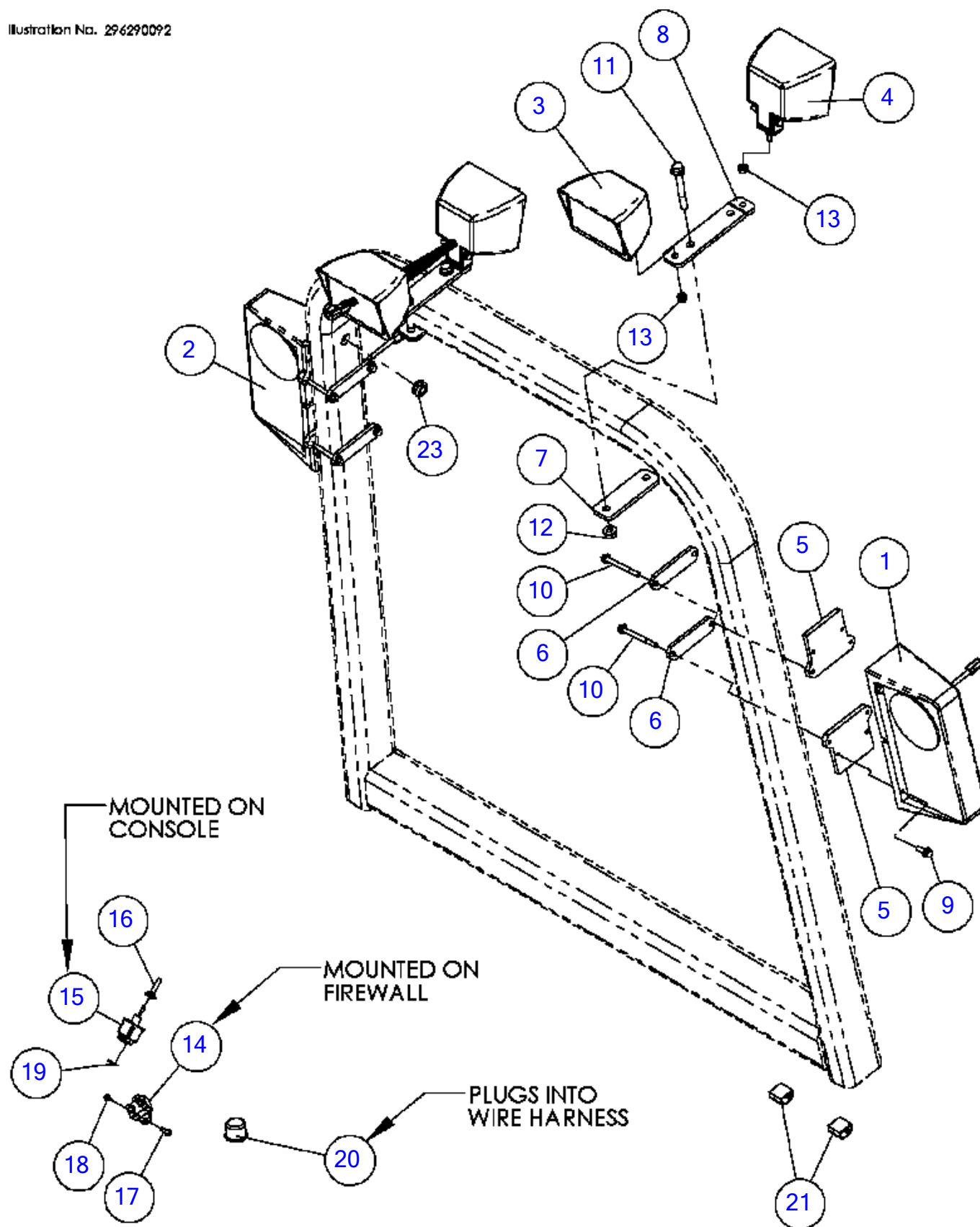
Fig 07-08

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	269000001	HARNESS - MAIN WIRE RT450	1	
2	267184001	WIRE-NTC SOLENOID RT450	1	
3	255410001	SEALING GROMMET (AMP) - 281934-2	1	
4	255409001	JACK (AMP) - 183025-1	1	
5	255408001	HOUSING (AMP) - 282080-1	1	

HIGHWAY SAFETY LIGHTS (2 POST ROPS)

Fig 07-09

Illustration No. 296290092



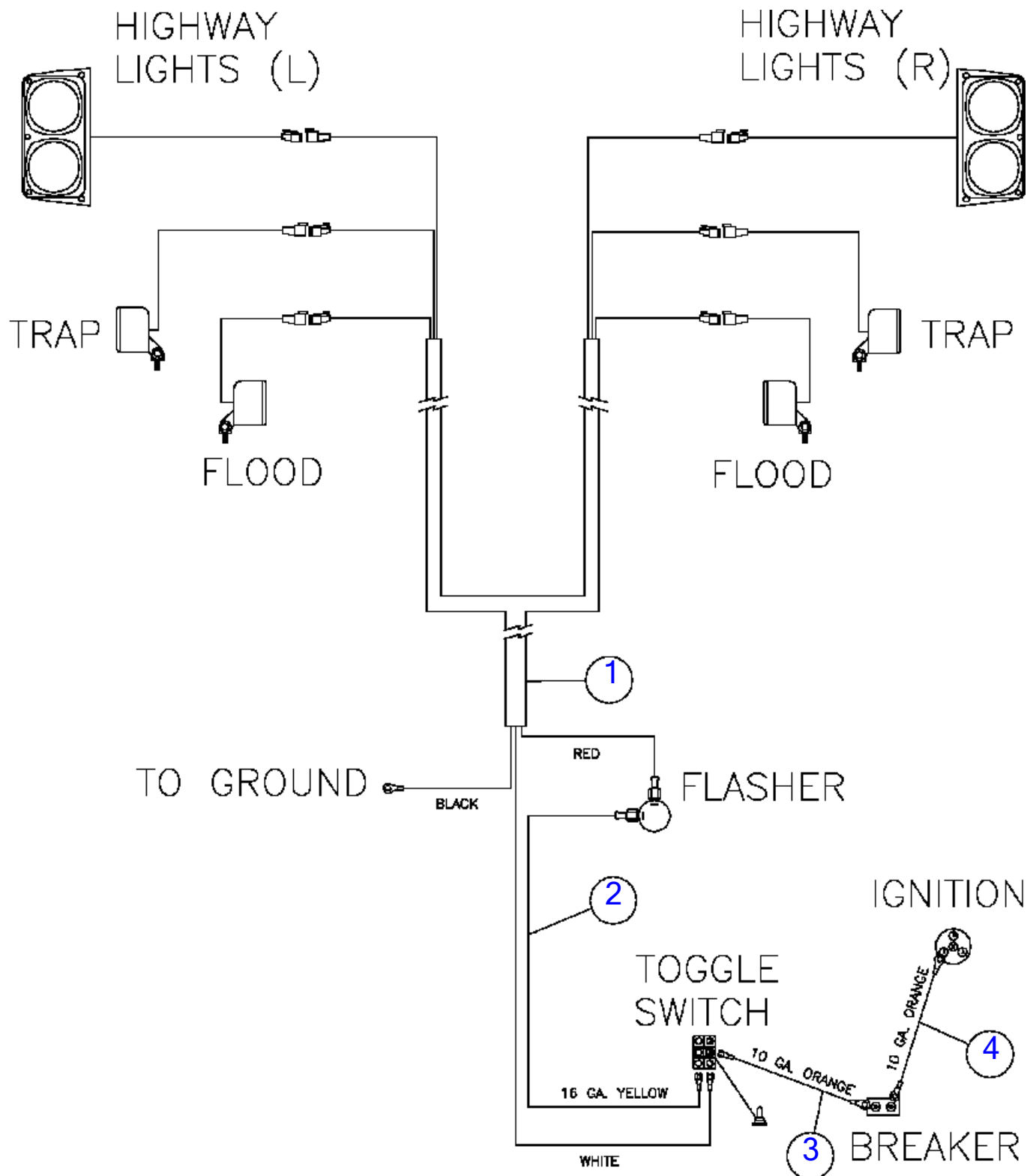
HIGHWAY SAFETY LIGHTS (2 POST ROPS)

Fig 07-09

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	261509001	LIGHT-HIGHWAY (LEFT)	1	
2	261510001	LIGHT-HIGHWAY (RIGHT)	1	
3	261508001	LIGHT ASSY - 3 X 5 TRAP	2	
4	261507001	LIGHT ASSY - 3 X 5 FLOOD	2	
5	242618001	PLATE LIGHT MTG.	4	
6	242617001	BAR - LIGHT MTG.	4	
7	241898001	BAR - LIGHT MTG.	2	
8	241899001	BAR - LIGHT MTG.	2	
9	296300753	SCREW-HFS-.25-20X.75-GR8-YZ	8	
10	296300925	SCREW-HFS-.25-20X2.75-GR8-YZ	8	
11	296300780	SCREW-HFS-.38-16X3.00-GR8-YZ	4	
12	296300850	NUT-HEXFLGTL-.38-16-G-YZ	4	
13	296300848	NUT-HEXFLGTL-.25-20-G-YZ	4	
14	64075001	BREAKER-30A 121 A 30-A 2 P-00-KA	1	
15	67293001	SWITCH-TOGGLE 8511K14 SEALED	1	
16	5537001	COVER-TOGGLE SWITCH	1	
17	242656001	SCREW-#10-24X3/4PAN HD PLT PHP	2	
18	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	2	
19	66482001	TERMINAL JUMPER CURTIS 247-A20	1	
20	7353001	FLASHER-#536 HD 12 VOLT	1	
21	28950001	CLIP-ADHES.LATCHING LC5-A-C8	4	
22	264117001	FRAME - MAIN	1	
23	1865005	GROMMET - 2560 BLACK	2	

ELECTRICAL - HIGHWAY SAFETY LIGHTS

Fig 07-10

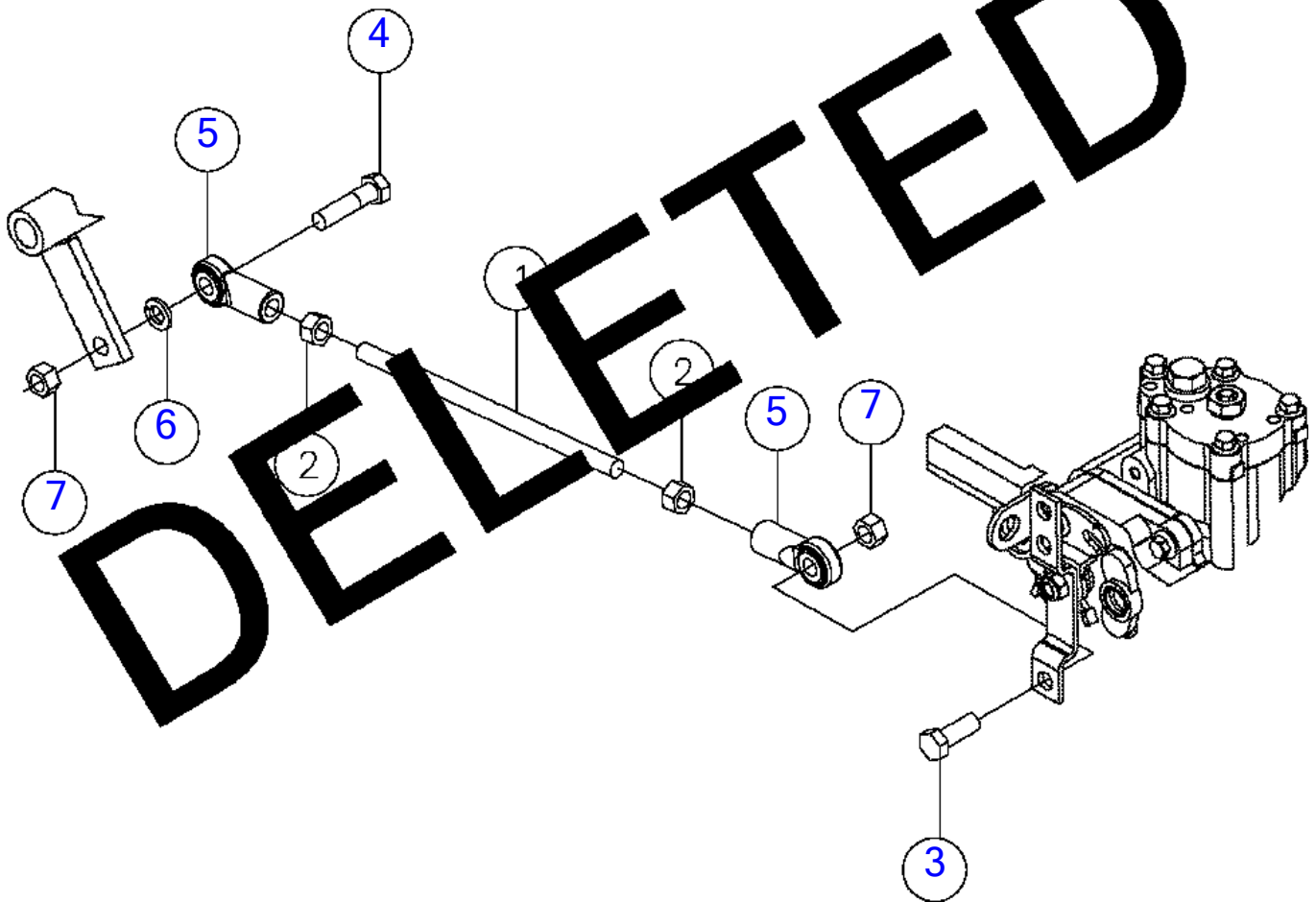


ELECTRICAL - HIGHWAY SAFETY LIGHTS**Fig 07-10**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	253432001	WIRE HARNESS-HIGHWAY SAFETY LIGHTS	1	
2	253429001	WIRE ASSY-SWITCH TO FLASHER	1	
3	253430001	WIRE ASSY-BREAKER TO SWITCH	1	
4	253431001	WIRE ASSY-KEY TO BREAKER	1	
	296290093	ASSY- HIGHWAY SAFETY LIGHTS ELECTRICAL	A/R	Includes All Items in Figure.

CREEP CONTROL (DELETED)

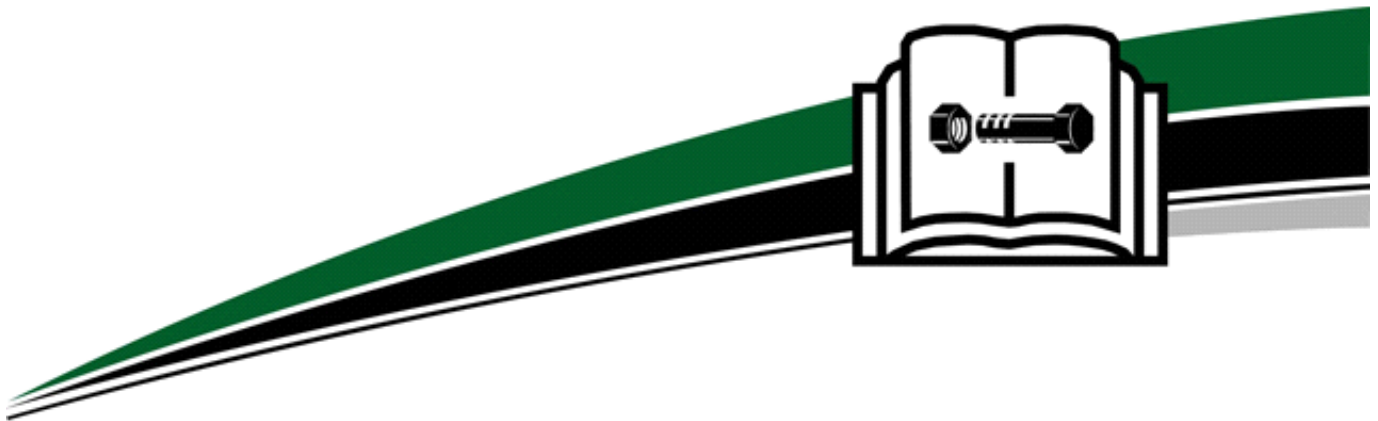
Fig 07-11



CREEP CONTROL (DELETED)

Fig 07-11

BACKFILL BLADE



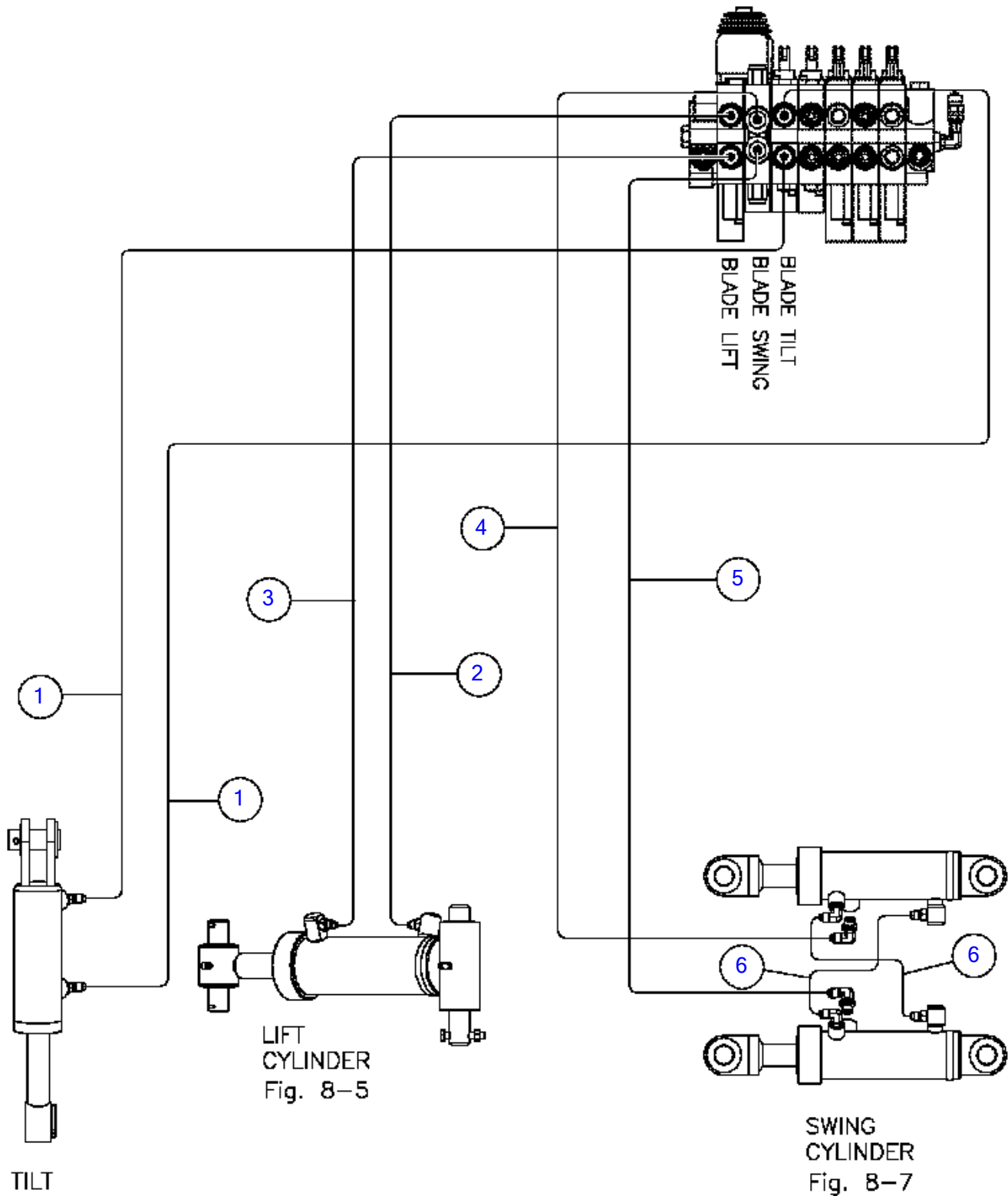
BACKFILL BLADE

HYDRAULIC DIAGRAM - BLADE	Fig	08-01
BLADE-4 WAY	Fig	08-02
BLADE-6 WAY	Fig	08-03
BLADE PIVOT FRAME	Fig	08-04
BLADE LIFT CYLINDER	Fig	08-05
COMPONENTS: BLADE LIFT CYLINDER	Fig	08-05Z01
BLADE TILT CYLINDER	Fig	08-06
COMPONENTS: BLADE TILT CYLINDER	Fig	08-06Z01
BLADE SWING CYLINDERS	Fig	08-07
COMPONENTS: BLADE SWING CYLINDER	Fig	08-07Z01
6-WAY VALVE PLUMBING	Fig	08-08

HYDRAULIC DIAGRAM - BLADE

Fig 08-01

CONTROL VALVE
Fig. 5-13 thru 5-18



TILT
CYLINDER
Fig. 8-6

LIFT
CYLINDER
Fig. 8-5

SWING
CYLINDER
Fig. 8-7

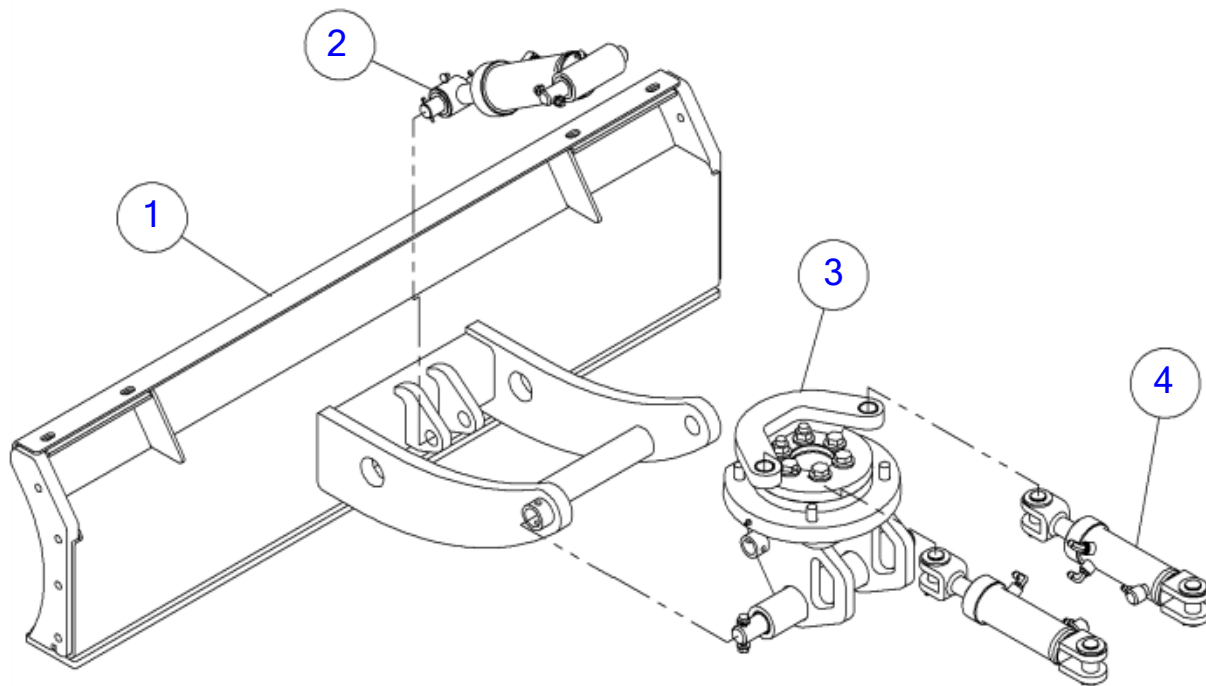
HYDRAULIC DIAGRAM - BLADE

Fig 08-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	261479001	HOSE-HYD-.25X90-4FSJ-ST/45-3000PSI-M3KMT	2	
2	268513001	HOSE-HYD-.25X82-4FSJ-ST/45-3000PSI-M3KMT	1	
3	261477001	HOSE-HYD-.25X77-4FSJ-ST/45-3000PSI-M3KMT	1	
4	265518001	HOSE-HYD.25X70-4FSJ-ST/45-3000PSI-100R17	1	
5	265517001	HOSE-HYD.25X58-4FSJ-ST/45-3000PSI-100R17	1	
6	261470001	HOSE-HYD-.25X16-4FSJ-ST/ST-3000PSI-M3KMT	2	

BLADE-4 WAY

Fig 08-02

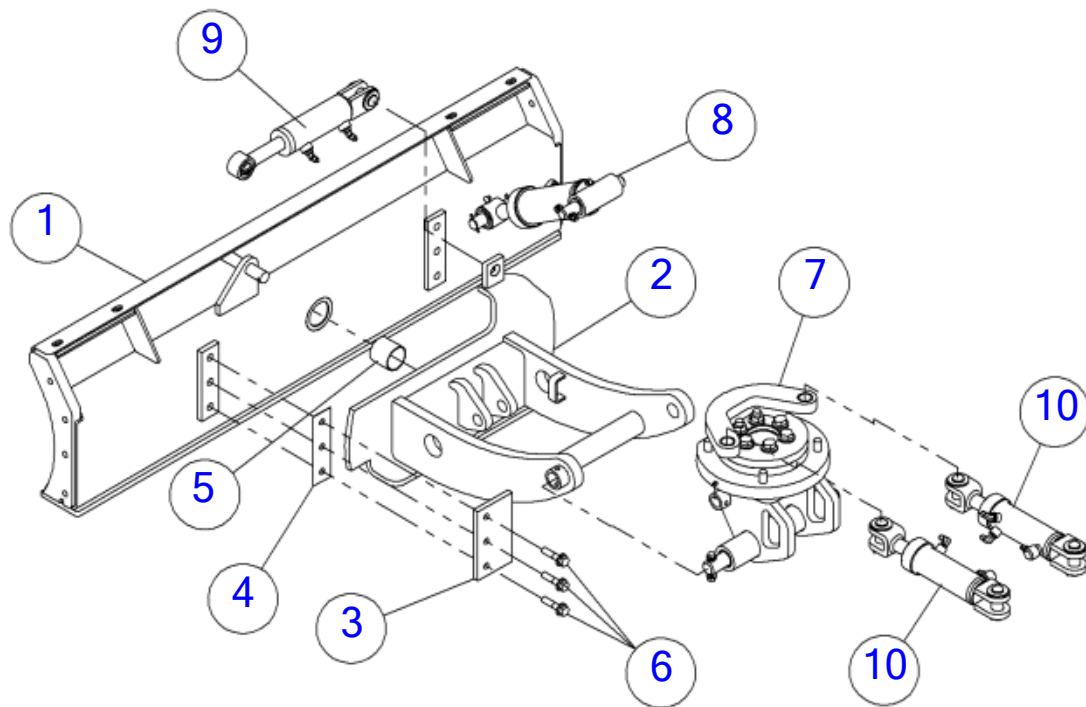


BLADE-4 WAY**Fig 08-02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	273733001	BLADE - 4 WAY	1	
2	273667001	ASSY - BLADE LIFT CYLINDER	1	Breakdown Fig. 8-5
3	273668001	ASSEMBLY - BLADE PIVOT FRAME	1	Breakdown Fig. 8-4
4	273670001	ASSY - BLADE SWING CYLINDERS	1	Breakdown Fig. 8-7

BLADE-6 WAY

Fig 08-03



BLADE-6 WAY**Fig 08-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	273731001	BLADE - BACKFILL	1	
2	265502001	FRAME - LIFT	1	
3	212789001	PLATE-PIVOT HOLDER	2	
4	209874001	SHIM-TILT FRAME	2	
5	254415001	BEARING-2.19 OD X 2.00 ID-2.00 SLEEVE	1	
6	296300792	SCREW-HFS-.50-13X2.00-GR8-YZ	6	
7	273668001	ASSEMBLY - BLADE PIVOT FRAME	1	Breakdown Fig. 8-4
8	273667001	ASSY - BLADE LIFT CYLINDER	1	Breakdown Fig. 8-5
9	273669001	ASSY-BLADE TILT CYLINDER	1	Breakdown Fig. 8-6
10	273670001	ASSY - BLADE SWING CYLINDERS	1	Breakdown Fig. 8-7

BLADE PIVOT FRAME

Fig 08-04

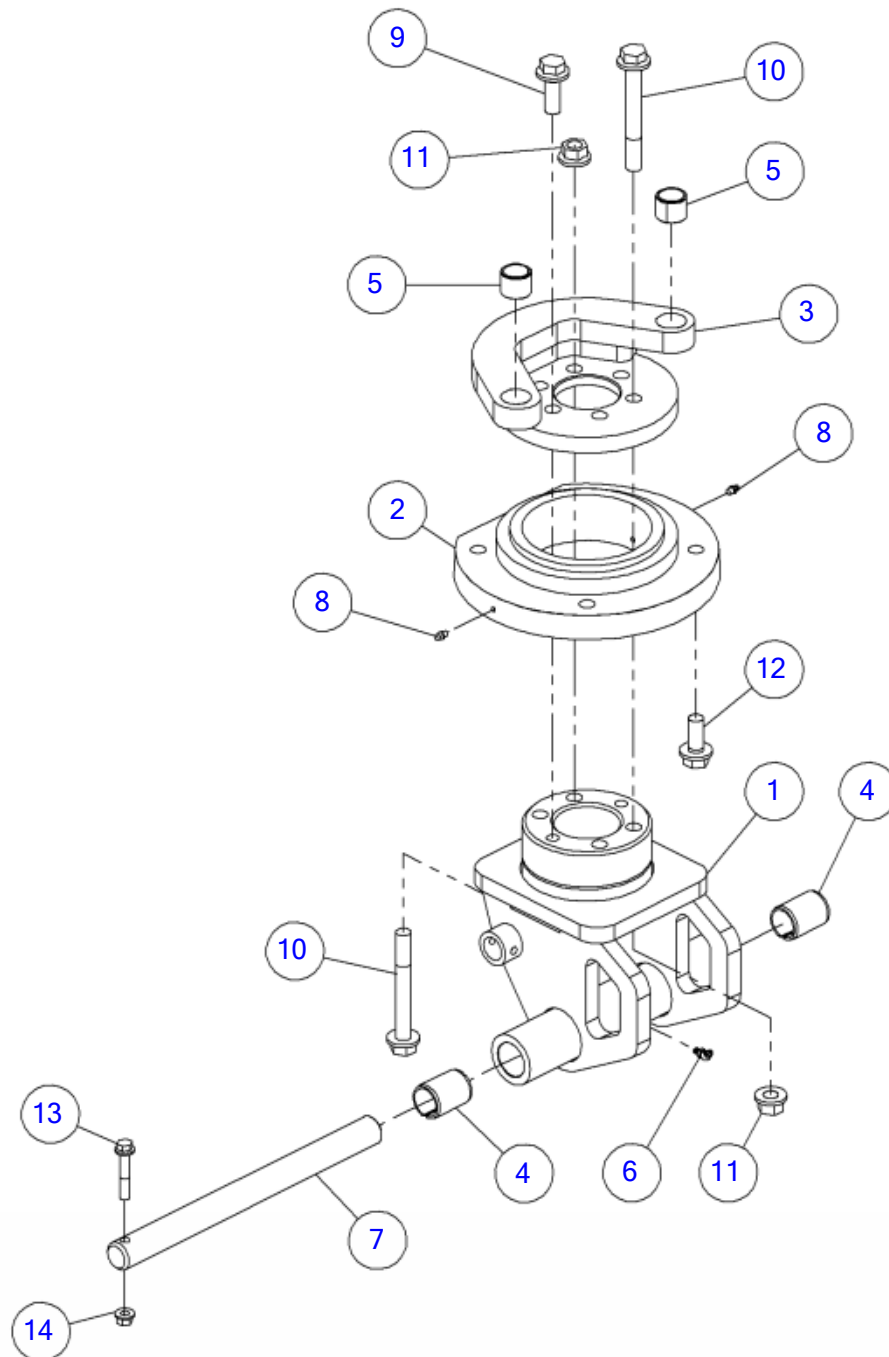


Illustration No. 273668001

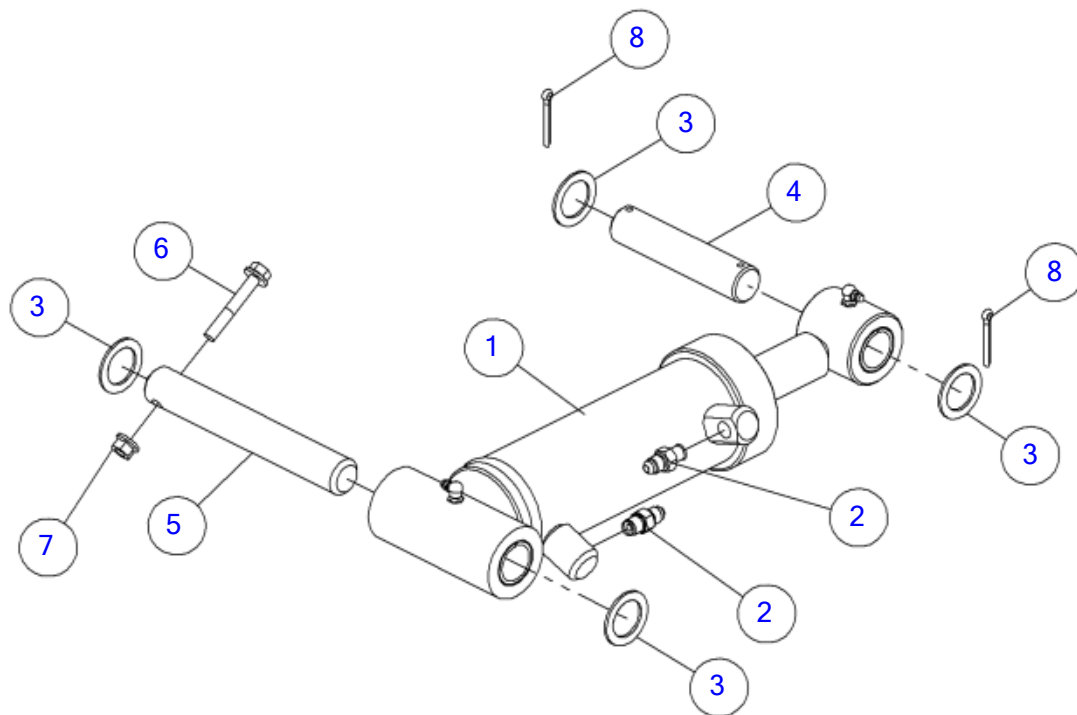
BLADE PIVOT FRAME

Fig 08-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296303567	FRAME - BLADE PIVOT	1	
2	223503001	TUBE - REPLACEABLE BLADE PIVOT	1	
3	230207001	PIVOT-BLADE SWING	1	
4	1835007	BSHG.-ST.-1 1/2 X 1 1/4 X 2	2	
5	1835015	BSHG.-STL.-1 1/4 X 1 X 1	2	
6	596001	ZERK-1/4" NF 45 DEG GREASE	1	
7	218032001	PIN-BLADE LIFT	1	
8	598001	FITTING-1/4" NF ST GREASE ZERK	2	
9	296300801	SCREW-HFS-.63-11X1.75-GR8-YZ	2	
10	296300934	SCREW-HFS-.63-18X5.00-GR8-YZ	4	
11	296300855	NUT-HEXFLGTL-.63-18-G-YZ	4	
12	296300800	SCREW-HFS-.63-11X1.50-GR8-YZ	4	
13	296300777	SCREW-HFS-.38-16X2.25-GR8-YZ	1	
14	296300850	NUT-HEXFLGTL-.38-16-G-YZ	1	

BLADE LIFT CYLINDER

Fig 08-05

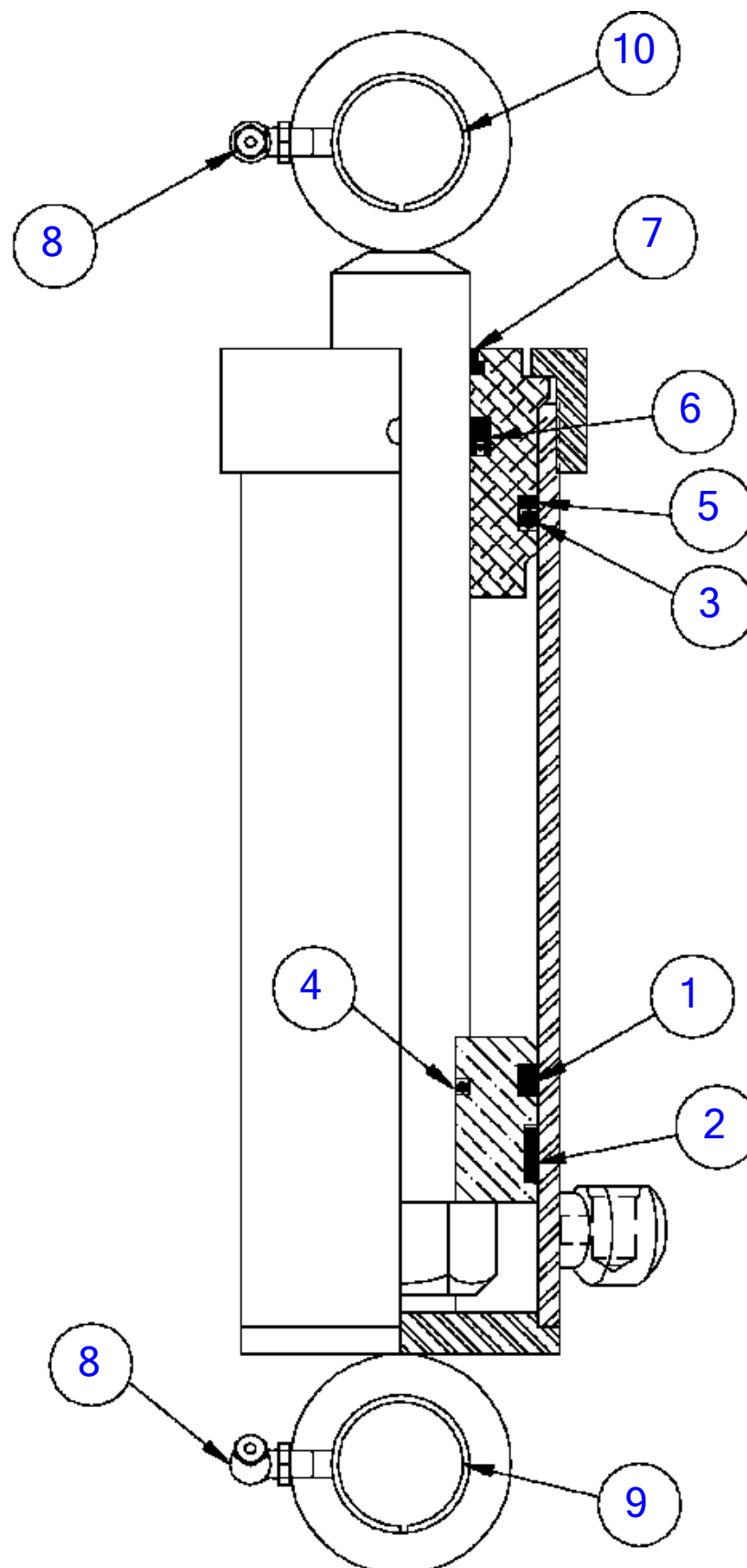


BLADE LIFT CYLINDER**Fig 08-05**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	220709001	HYD.CYLINDER-2 1/2 X 4	1	Breakdown Fig. 8-5z01
2	60908001	FITTING-4MX4M JIC STR ADAPTER	2	
3	483005	WASHER-1 1/2X1X14 GA M.B. ZINC	4	
4	212787001	PIN-BLADE LIFT CYL.	1	
5	218033001	PIN-BLADE LIFT CYLINDER	1	
6	296300767	SCREW-HFS-.31-18X2.00-GR8-YZ	1	
7	296300849	NUT-HEXFLGTL-.31-18-G-YZ	1	
8	510019	COTTER PIN-5/32" X 2"	2	

COMPONENTS: BLADE LIFT CYLINDER

Fig 08-05Z01

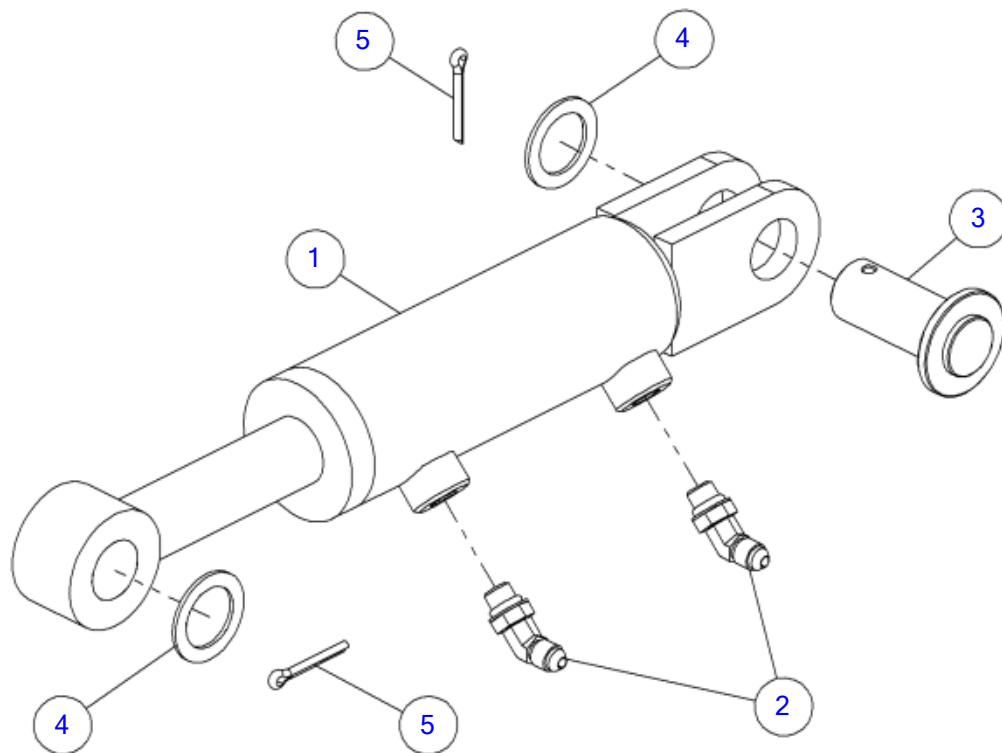


COMPONENTS: BLADE LIFT CYLINDER**Fig 08-05Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		PSP-SEAL	1	Not Sold Separately
2		WEAR RING	1	Not Sold Separately
3		O-RING	1	Not Sold Separately
4		O-RING	1	Not Sold Separately
5		BACKUP	1	Not Sold Separately
6		ROD SEAL	1	Not Sold Separately
7		DUST SEAL	1	Not Sold Separately
8	590001	ZERK-1/8" NPT 90 DEG GREASE	2	
9	1835019	BSHG.-STL.- 1 1/4 X 1 X 1 1/2	2	
10	1835001	BSHG.-STL.-1 1/4 X 1 X 3/4	2	
	271769001	CYLINDER-2 1/2" BORE X 4" STROKE	A/R	Includes All Items in Figure
	271769003	REPAIR KIT-RKT2.500-0159	A/R	Include Items 1-7

BLADE TILT CYLINDER

Fig 08-06

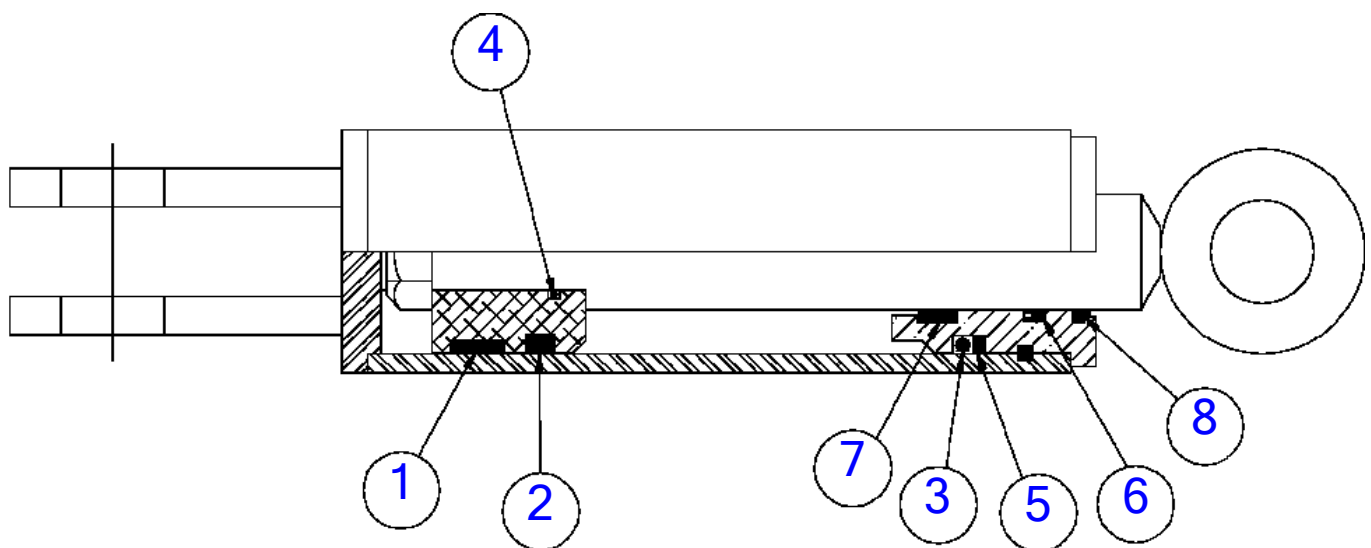


BLADE TILT CYLINDER**Fig 08-06**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	271765001	CYLINDER-2" BORE X 3" STROKE	1	Breakdown Fig. 8-6z01
2	58295001	FITTING-4M OR X 4M JIC 45 DEG.	2	
3	1795013	CYLINDER PIN-1X2 USEABLE LENG.	1	
4	483005	WASHER-1 1/2X1X14 GA M.B. ZINC	2	
5	510019	COTTER PIN-5/32" X 2"	2	

COMPONENTS: BLADE TILT CYLINDER

Fig 08-06Z01

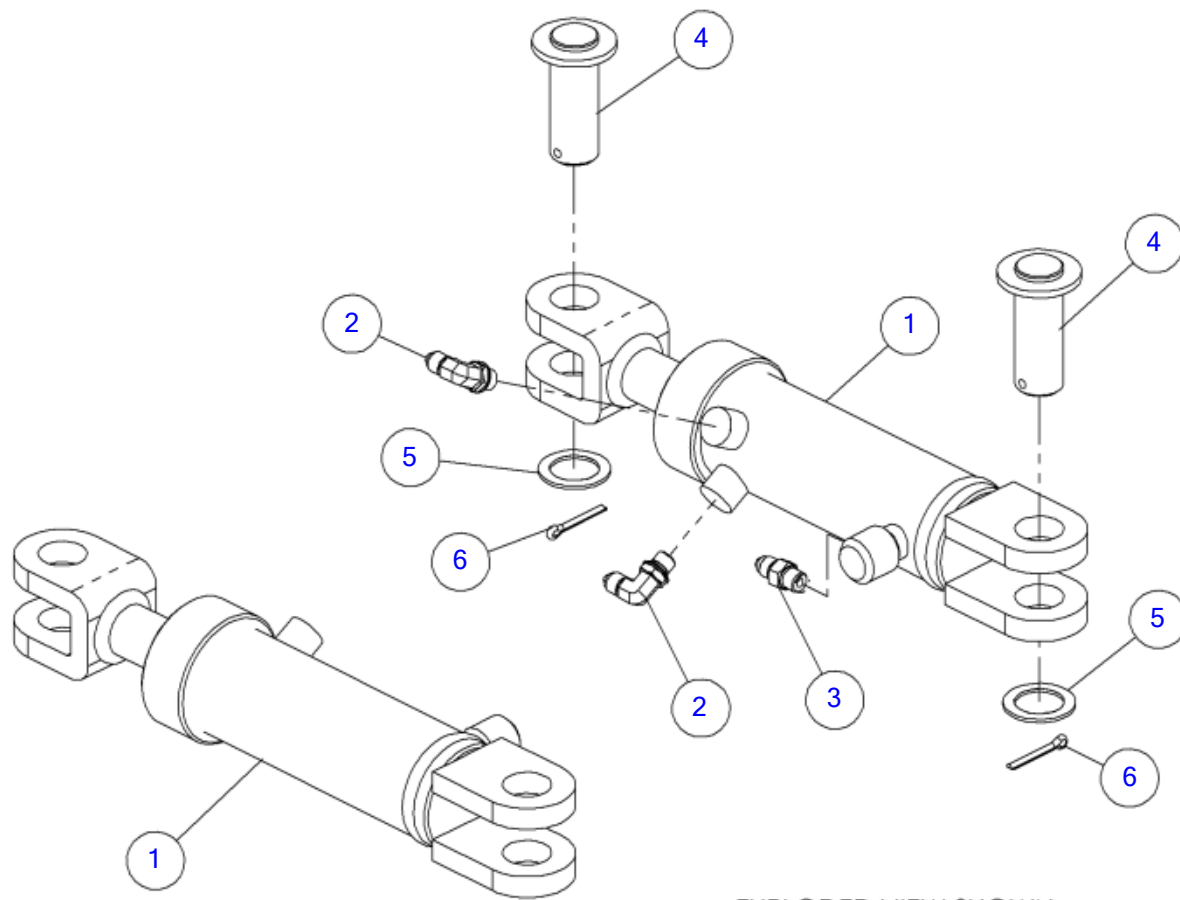


COMPONENTS: BLADE TILT CYLINDER**Fig 08-06Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		WEAR RING	1	Not Sold Separately
2		PSP SEAL	1	Not Sold Separately
3		O-RING	1	Not Sold Separately
4		O-RING	1	Not Sold Separately
5		BACKUP	1	Not Sold Separately
6		ROD SEAL	1	Not Sold Separately
7		WEAR RING	1	Not Sold Separately
8		DUST SEAL	1	Not Sold Separately
	271765003	REPAIR KIT - HYD CYLINDER	A/R	Inc. Items 1-8
	271765001	CYLINDER-2" BORE X 3" STROKE	A/R	Includes All Items in Figure

BLADE SWING CYLINDERS

Fig 08-07



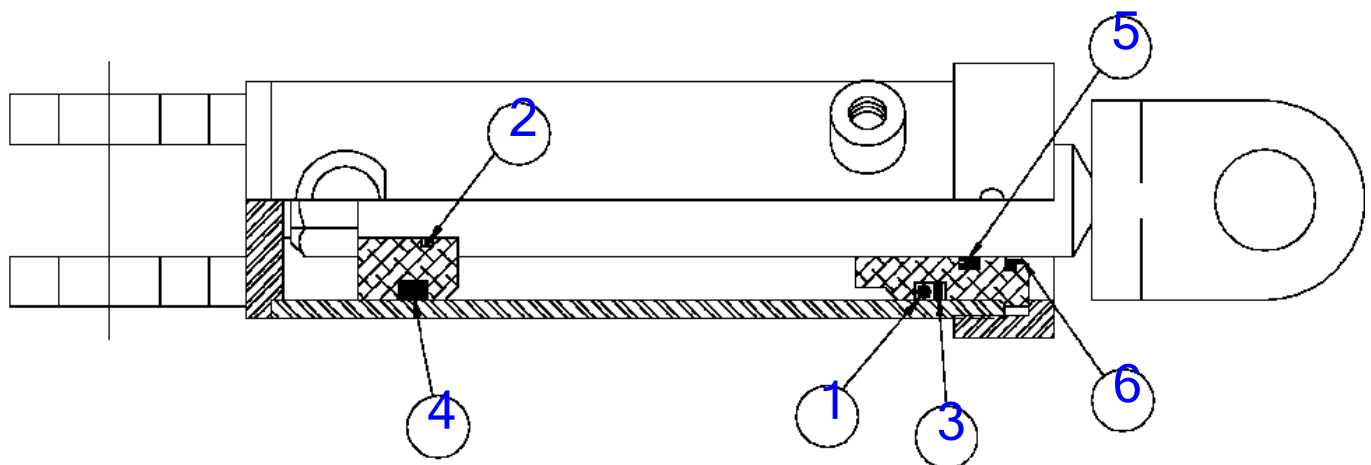
EXPLODED VIEW SHOWN
RIGHT SIDE ONLY.

BLADE SWING CYLINDERS**Fig 08-07**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	271768001	CYLINDER-2" BORE X 4" STROKE	2	Breakdown Fig. 8-7z01
2	59423001	FITTING-90-4MORBA-4MJ	4	
3	60908001	FITTING-4MX4M JIC STR ADAPTER	2	
4	1795005	CYL. PIN - 1" X 2 1/4"	4	
5	483005	WASHER-1 1/2X1X14 GA M.B. ZINC	4	
6	510019	COTTER PIN-5/32" X 2"	4	

COMPONENTS: BLADE SWING CYLINDER

Fig 08-07Z01

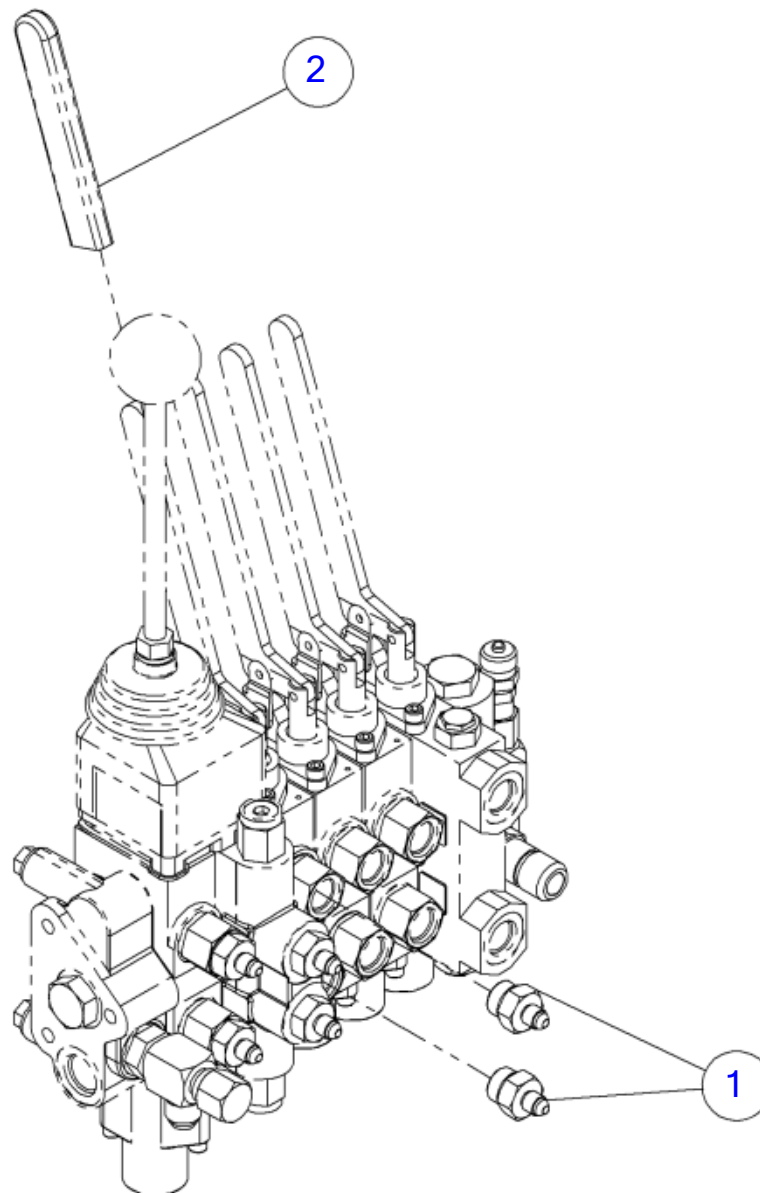


COMPONENTS: BLADE SWING CYLINDER**Fig 08-07Z01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		O-RING	1	Not Sold Separately
2		O-RING	1	Not Sold Separately
3		BACKUP	1	Not Sold Separately
4		PSP SEAL	1	Not Sold Separately
5		ROD SEAL	1	Not Sold Separately
6		DUST SEAL	1	Not Sold Separately
	271768003	REPAIR KIT-RKT-2.000-0072	A/R	(Inc. Items 1- 6)
	271768001	CYLINDER-2" BORE X 4" STROKE	A/R	Includes All Items In Figure.

6-WAY VALVE PLUMBING

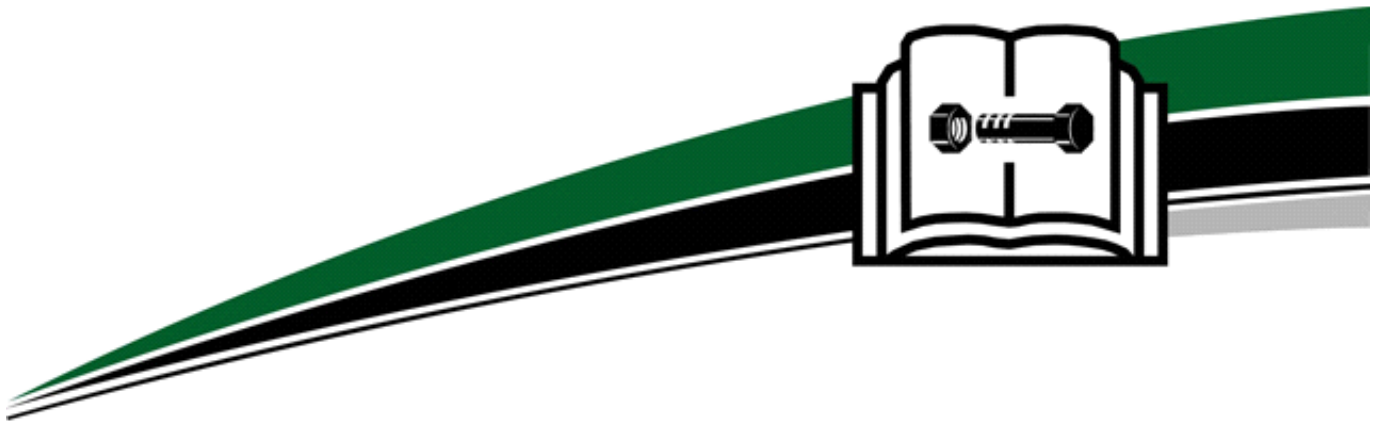
Fig 08-08



6-WAY VALVE PLUMBING**Fig 08-08**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	53657001	FITTING-8M OR X 4M JIC ST.	2	
2	233884001	HANDLE-BLACK PLASTIC 5 1/4"	1	

PORTA-BORE

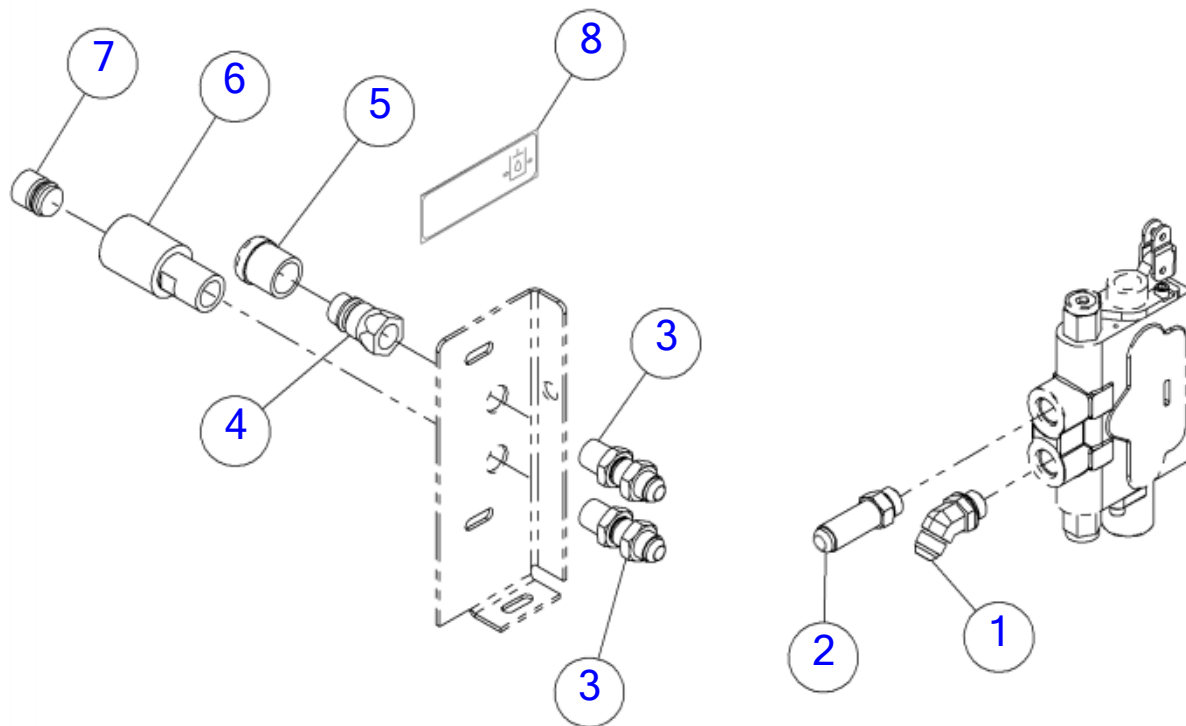


PORTA-BORE

AUXILIARY HYDRAULICS	Fig	09-01
PORTA-BORE 1	Fig	09-02
COMPONENTS: PORTA-BORE MOTOR	Fig	09-02Z01
PORTA-BORE STORAGE MOUNT	Fig	09-03
PORTA-BORE MTG BRACKET	Fig	09-04

AUXILIARY HYDRAULICS

Fig 09-01

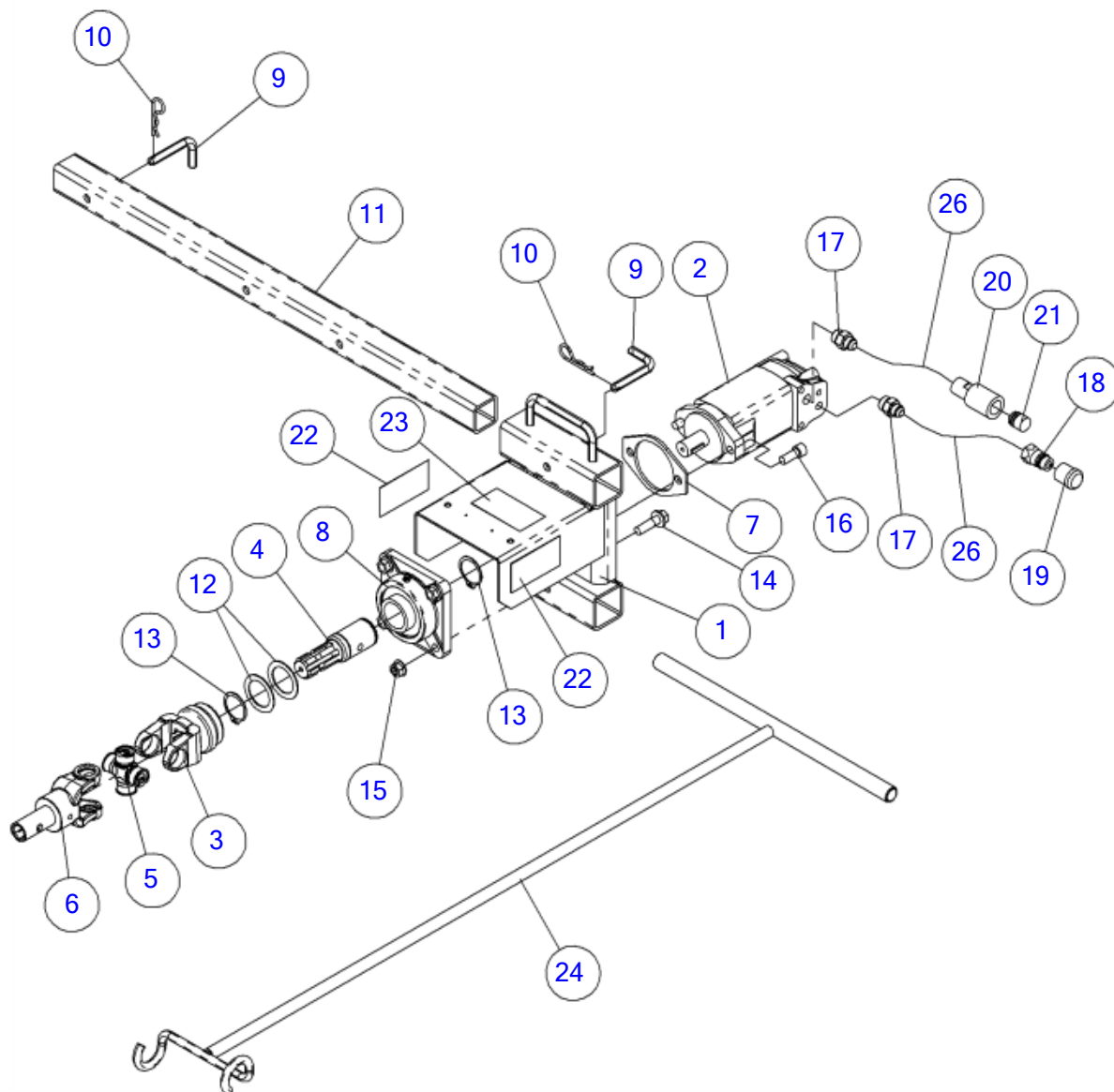


AUXILIARY HYDRAULICS**Fig 09-01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	53834001	FITTING - #8M O-RING-#8M JIC 45 DEG.	1	
2	100850001	FITTING-8MX8MJIC LONG STR.	1	
3	94973001	FITTING-8M JIC BLKHD X1/2M STR	2	
4	207464001	COUPLER-MALE 1/2" W/TIP END	1	
5	24765001	CAP-1/2M QUICK DISCON. DUST	1	
6	4254001	COUPLING - 1/2 F QUICK	1	
7	204342001	DUST PLUG-5005- 1/2"	1	
8	7000C270	DECAL - RT450 AUX.HYDRAULIC	1	

PORTA-BORE 1

Fig 09-02



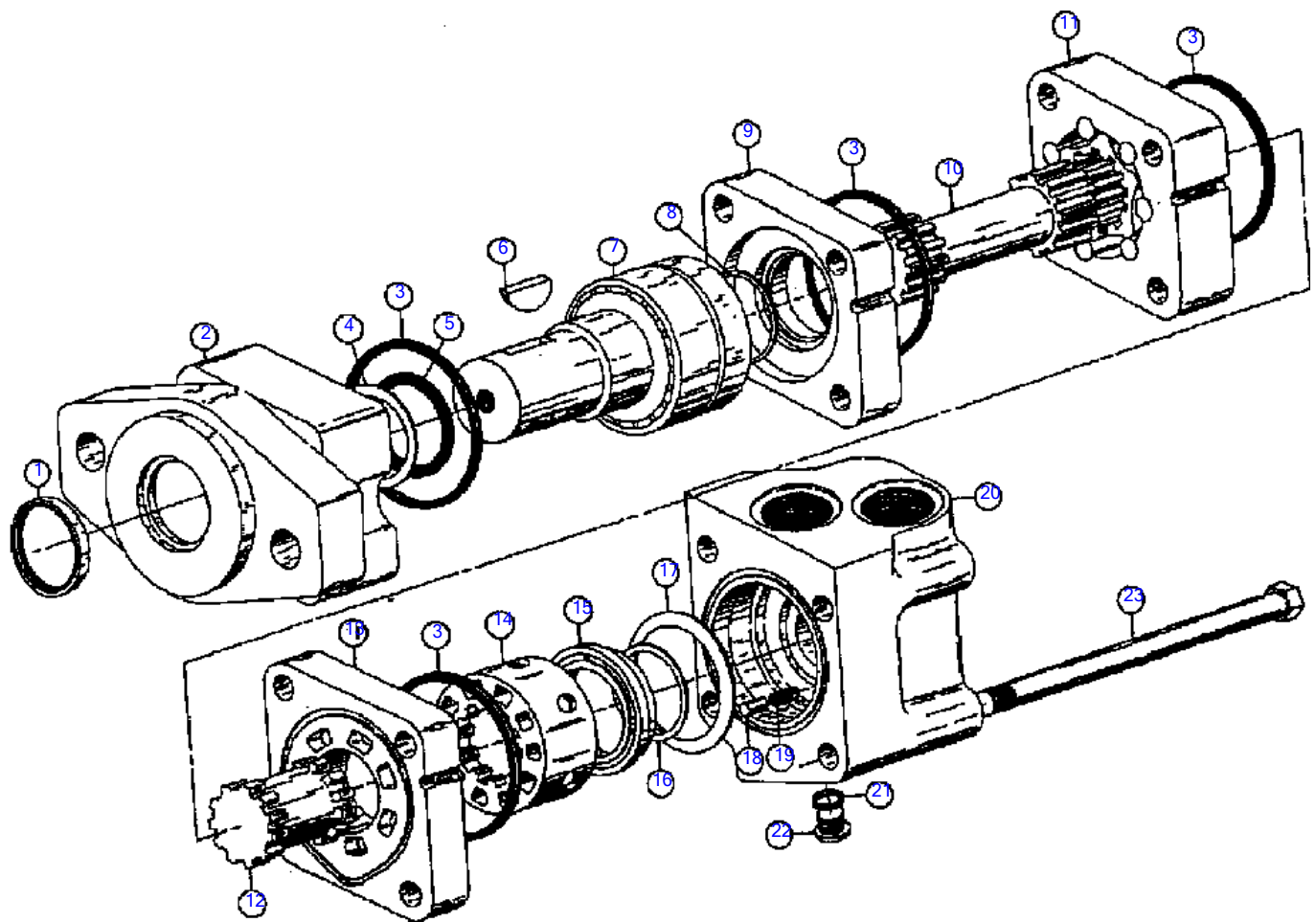
PORTA-BORE 1

Fig 09-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	18010001	MOUNT-HYD. MOTOR	1	
2	771001	MOTOR-HYD.-2000SER 104-1006-006	1	Breakdown Fig. 9-2z01
3	241965001	YOKE ASSY-1 3/8 6B SPLINE	1	
4	18042001	ADAPTOR-HYD MOTOR DRIVE	1	
5	2755001	REPAIR KIT CPL14R	1	
6	18020001	YOKE-HEX SOCKET ADAPTER	1	
7	64748001	SPACER-2000 SER.MOTOR	1	
8	1709007	BRG.-FB 1 3/4" 4 BOLT FLANGE	1	
9	13940001	PIN-BORING ATTACHMENT MOUNT REF T14466	2	
10	1794003	HAIR PIN COTTER - .148 WIRE	2	
11	13147001	TUBE-BORING ATTACHMENT TUBE REF T14467	1	
12	483015	1-3/4x2 1/2x14GA NR MACHINE BUSHING	2	
13	600175	SNAP RING-#5100 EXT 1 3/4"	2	
14	296300791	SCREW-HFS-.50-13X1.75-GR8-YZ	4	
15	296300899	NUT-HEX FLG-.50-13-GR8-YZ	4	
16	58726001	1/2-13x1-1/4 SOC HD C/S PLN	2	
17	53826001	FITTING-#10M O-RING-#8M JIC ST.	2	
18	207464001	COUPLER-MALE 1/2" W/TIP END	1	
19	24765001	CAP-1/2M QUICK DISCON. DUST	1	
20	4254001	COUPLING - 1/2 F QUICK	1	
21	204342001	DUST PLUG-5005- 1/2"	1	
22	70000703	DECAL-DANGER	2	
26	230745001	HOSE-1/2X70 8MP/8FS JIC 90	2	
23	70000072	DECAL-DANGER (UND)	1	
24	204718001	HOLDER-BORING ROD	1	

COMPONENTS: PORTA-BORE MOTOR

Fig 09-02Z01



COMPONENTS: PORTA-BORE MOTOR

Fig 09-02Z01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	770071	SEAL-DUST	1	
2	770073	HOUSING-BEARING # 21578-4	1	
3	770007	SEAL-O RING 9022-6	4	
4	770009	WASHER-BACKUP 7382	1	
5	61062001	SHAFT SEAL	1	
5	(770075)	SEAL-SHAFT # 9057-9	1	
6	542009	WOODRUFF KEY-#15 1/4 X 1	1	
7	770077	SHAFT&BEARING KIT # 21618-1	1	
8	770017	SEAL-SHAFT FACE 9050	1	
9	770079	PLATE-WEAR # 21623	1	
10	243316009	DRIVE	1	
10	(771013)	DRIVE- # 21371-6	1	
11	243316011	GEROLER SUB-ASSEMBLY	1	
11	(771015)	GEROLER ASSY-# 21625-6 N.A.	1	
12	774011	DRIVE-VALVE 8433	1	
13	770085	PLATE-VALVE # 21622	1	
14	770087	VALVE	1	
15	770089	PLATE-BALANCE	1	
16	770057	SEAL-FACE INNER	1	
17	770091	SEAL-FACE OUTER	1	
18	770037	PIN-14351	2	
19	770039	SPRING-7383	2	
20	770093	HOUSING-(SAE 10 PORTS)#21564-1	1	
21	1749025	SEAL-O RING 15007 (90D)	1	
21	(4485023)	O-RING-250003-904	1	
22	296278016	PLUG - #4 EPCO	1	
22	(4485019)	PLUG-9071-3	1	
22	296278016	PLUG - #4 EPCO	1	
22	(4485021)	PLUG ASSY-9072-3	1	
23	771017	BOLT- # 14384-010	4	
	770097	REPAIR KIT- #61258	A/R	Inc. Ref. No.'s1, 3-5, 8, 16, 17 & 21
	771001	MOTOR-HYD.-2000SER 104-1006-006	A/R	Inc. Ref. No.'s 1-23

PORTA-BORE STORAGE MOUNT

Fig 09-03

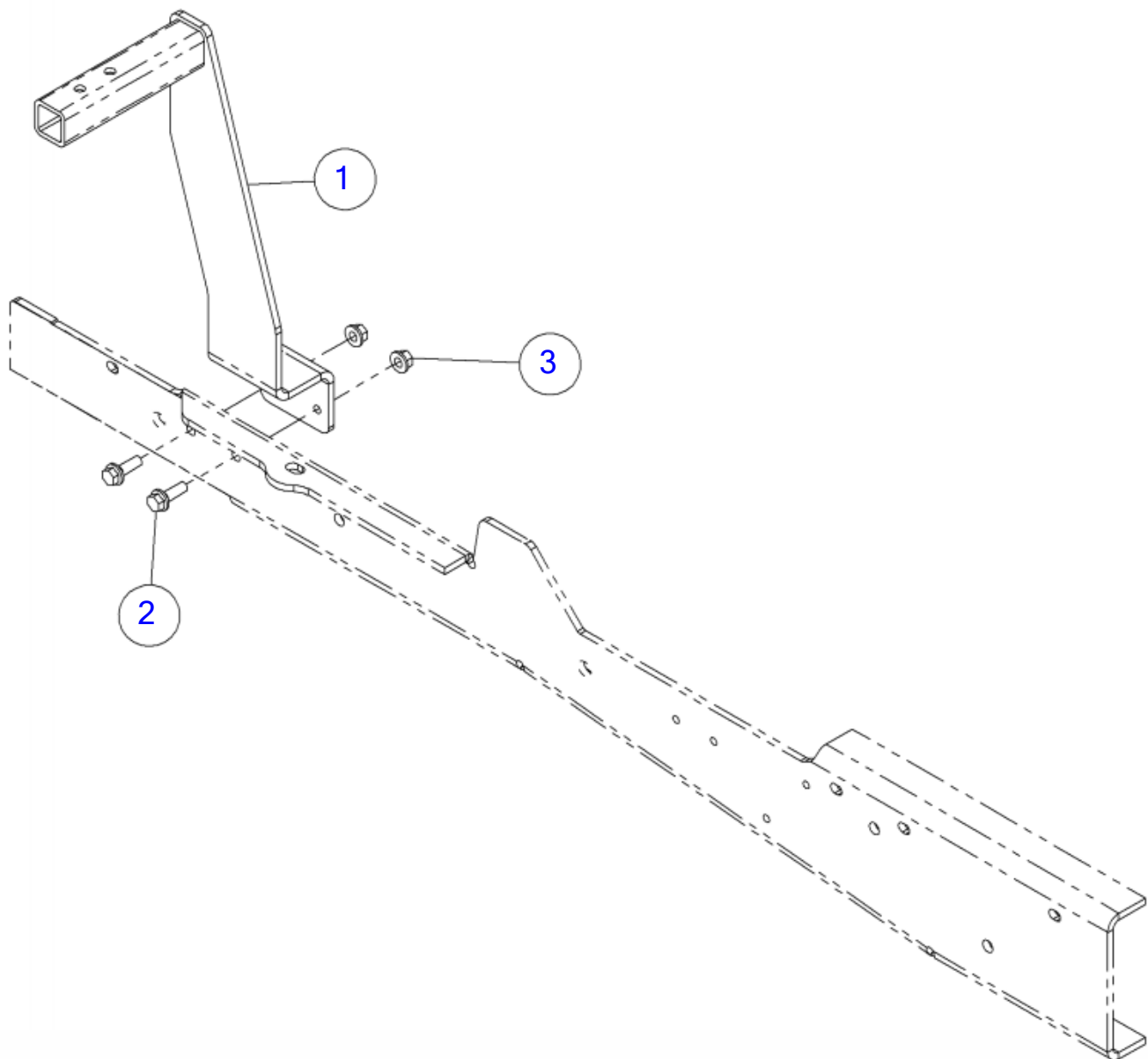


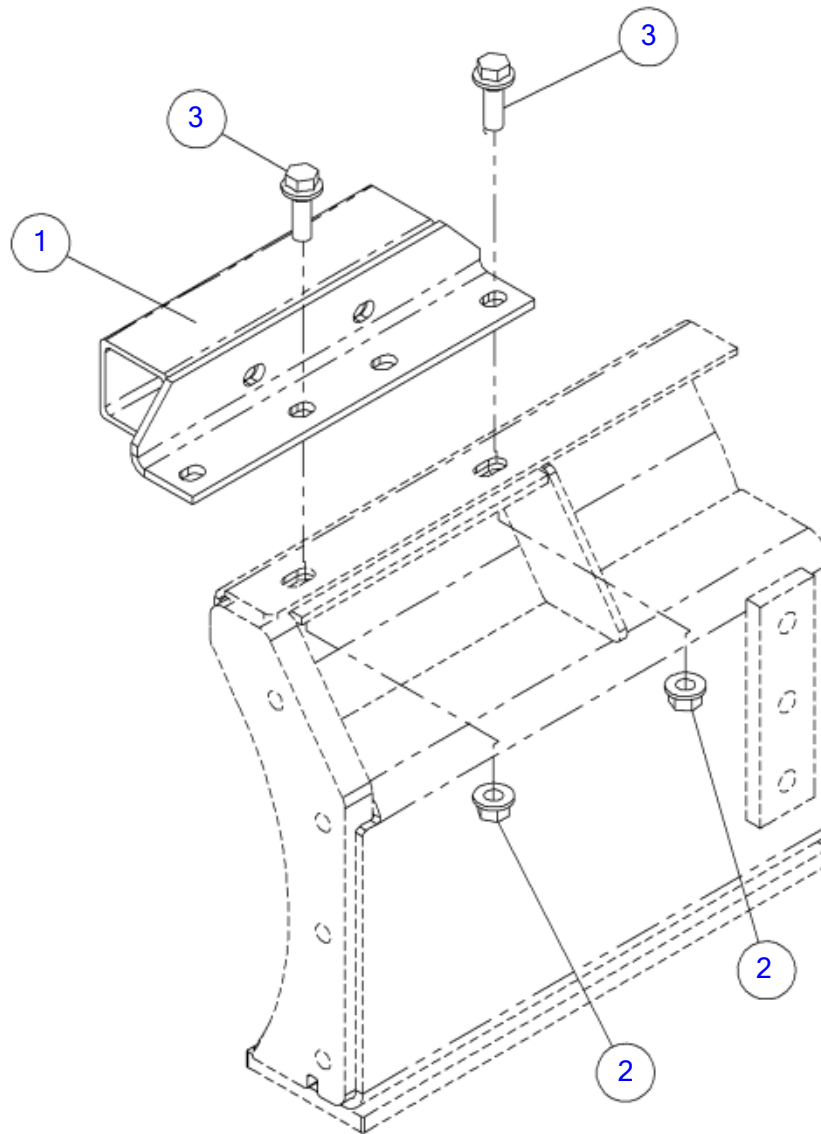
Illustration No. 296297611

PORTA-BORE STORAGE MOUNT**Fig 09-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	265519001	STORAGE MOUNT - BORING ATTACH.	1	
2	296300790	SCREW-HFS-.50-13X1.50-GR8-YZ	2	
3	296300851	NUT-HEXFLGTL-.50-13-G-YZ	3	

PORTA-BORE MTG BRACKET

Fig 09-04



PORTA-BORE MTG BRACKET**Fig 09-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	14536001	BRACKET-BORING ATTACH. MOUNT REF T14747	1	
2	296300851	NUT-HEXFLGTL-.50-13-G-YZ	2	
3	296300790	SCREW-HFS-.50-13X1.50-GR8-YZ	2	

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