ENDURANCE
POWER PRODUCTS, INC.

Replacement Parts for

Mack® Engines

Truck Applications

- Engine Index
- Engine Parts Listing

This is a list of our most popular models.

We have parts for other applications not listed in catalog.

Call for availability and pricing.

Diesel Engines - Listed by Cubic Inch Displacement						
Diesel Engines						
PAGE	**CID**	**LITER**	**ENGINE MODEL**	**CYL**	**BORE / STROKE**	**NOTES**
MACK-E6	672	11.0	E6	6	4.875 x 6.00	Turbo, 2 valve or 4 valve head
MACK-E7-1	728	12.0	E7	6	4.875 x 6.50	PLN (1989-1997)
MACK-E7-2	728	12.0	E7	6	4.875 x 6.50	E-Tech (1998-2002) EUP
MACK-E7-3	728	12.0	E7	6	4.875 x 6.50	ASET (2002-2006) EGR: AI, AC

Mack **E6; 11.0L** Diesel	6 Cylinder Bore 4.875 Stroke 6.000	

ENGINE KITS

1	ERK-8007-001	InFrame kit	2 valve head, Standard cylinder kit, 15.0:1 CR, 2.00 piston pin [EPA-8071 piston kit]
1	ERK-8008-001	InFrame kit	2 valve head, Standard cylinder kit, 15.0:1 CR, 2.00 piston pin, ESI+ [EPA-8071 piston kit]
1	ERK-8017-001	InFrame kit	2 valve head, Long life cylinder kit, 15.0:1 CR, 2.00 pin, early conn rod bearing [EPA-8074 piston kit]
1	ERK-8014-001	Overhaul kit	2 valve head, Long life cylinder kit, 15.0:1 CR, 2.00 pin, early conn rod bearing [EPA-8074 piston kit]
1	ERK-8013-001	InFrame kit	2 valve head, Long life cylinder kit, 15.0:1 CR, 2.00 pin, late conn rod bearing [EPA-8074 piston kit]
1	ERK-8001-001	InFrame kit	2 valve head, Long life cylinder kit, 17.0:1 CR, 2.00 pin, early conn rod bearing [EPA-8075 piston kit]
1	ERK-8018-001	InFrame kit	2 valve head, Long life cylinder kit, 17.0:1 CR, 2.00 pin, late conn rod bearing [EPA-8075 piston kit]
1	ERK-8019-001	InFrame kit	4 valve head, Long life cylinder kit, 15.0:1 CR, 2.00 piston pin [EPA-8076 piston kit]
1	ERK-8015-001	Overhaul kit	4 valve head, Long life cylinder kit, 15.0:1 CR, 2.00 piston pin [EPA-8076 piston kit]

CYLINDER KIT

6	ELK-8901	Cylinder kit	57GC366BP; 4.875 bore, 2VH Premium, 2.00 pin, 15.0:1 CR; Includes: EPA-8071, ESL-8280, EPR-1810 (wide rail)
6	ELK-8900	Cylinder kit	57GC366BP; 4.875 bore, 2VH Standard, 2.00 pin, 15.0:1 CR; Includes EPA-8071, ESL-8280, EPR-1820 (narrow rail)
6	EPA-8071	Piston kit	240GC1550AP1; 4.875 bore, 2VH, 2.00 pin, 15.0:1 CR, 4 ring; Includes: Piston, pin, retainers
6	ELK-8904	Cylinder kit	57GC376P; 4.875 bore, 2VH Longlife, 2.00 pin, 15.0:1 CR; Includes: EPA-8074, ESL-8280, EPR-1816
6	EPA-8074	Piston kit	57GC283A; 4.875 bore, 2VH, 2.00 pin, 15.0:1 CR, 4 ring; Includes: Piston, pin, retainers
6	ELK-8905	Cylinder kit	57GC355BP; 4.875 bore, 2VH, Longlife, 2.00 pin, 17.1:1 CR; Includes: EPA-8075, ESL-8280, EPR-1816
6	EPA-8075	Piston kit	57GC282A; 4.875 bore, 2VH, 2.00 pin, 17.0:1 CR, 4 ring; Includes: Piston, pin, retainers
6	ELK-8906	Cylinder kit	57GC368AP; 4.875 bore, 4VH; Longlife, 2.00 pin, 15.0:1 CR; Includes: EPA-8076, ESL-8280, EPR-1816
6	EPA-8076	Piston kit	215SB228; 4.875 bore, 4VH, 2.00 pin, 15.0:1 CR, 4 ring; Includes: Piston, pin, retainers
6	EPA-8091	Piston kit	240GC1521CP1; 4.875 bore, 2VH, 1.875 pin, 15.0:1CR, 4 ring; Includes: Piston, pin, retainers
6	ELK-8902	Cylinder kit	5.000 bore, 2VH, 1.875 pin, 15.2:1 CR, Includes: EPA-8081, ESL-8232-STD, EPR-8300
6	EPA-8081	Piston kit	240GC1546B; 5.000 bore, 2VH, 1.875 pin, 15.2:1 CR, 4 ring; Includes: Piston, pin, retainers
6	EPR-1810	Ring set	4.875 Bore, 4-ring, Standard, (2) Key chrome, (1) Key ductile tapered face, (1) 3/16 Oil narrow rail [353GC241JP1]
6	EPR-1810A	Ring set	4.875 Bore, 4-ring, Premium, (2) Key chrome, (1) Key ductile tapered face, (1) 3/16 Oil narrow rail [353GC241JP1]
6	EPR-1820	Ring set	4.875 Bore, 4-ring, Premium, (2) Key chrome, (1)Key ductile tapered face, (1) 3/16 Oil wide rail [353GC241SP1]

6	353GC280B-EP	Ring set	4.875 Bore, 4-ring, Longlife, (2) Key chrome plated lower side, (1) Key chrome tapered face, (1) 3/16 Oil wide rail [353GC280B]
6	353GC2139-EP	Ring set	4.875 Bore, 4-ring, Plasma, (2) Key plasma, (1) Key chrome tapered face, (1) 3/16 Oil wide rail [353GC2139]
6	EPR-1840	Ring set	4.875 Bore, 4-ring, (2) Key chrome, (1) Key ductile tapered face, (1)3/16 Oil wide rail [353GC240CP1]
6	EPR-7951	Ring set	4.875 Bore, 4-ring, (2) Key chrome, (1) Flat ductile tapered face, (1) 3/16 Oil wide rail [353GC253AP1]
6	EPR-8310	Ring set	4.875 Bore; 5-ring, (2) Key chrome, (1) Flat ductile tapered face, (2) 3/16 Oil wide rail [353GC226P1]
6	EPR-8300	Ring set	5.000 Bore, 4-ring, Standard, (2) Key chrome, (1) Flat ductile tapered face, (1) 3/16 Oil wide rail [353GC2121]
6	EPN-8021	Piston pin	182GC1356P3
12	ERI-8022	Retainer piston pin	97AX124
6	ESL-8280-STD	Cylinder liner	509GC284AP1; 4.875 Bore, Std, Turbo engine using head gasket with fire rings
	ESL-8280-002	Cylinder liner	509GC284AP2; 4.875 Bore, 0.002, Turbo engine using head gasket with fire rings
	ESL-8280-004	Cylinder liner	509GC284AP4; 4.875 Bore, 0.004, Turbo engine using head gasket with fire rings
	ESL-8280-006	Cylinder liner	509GC284AP6; 4.875 Bore, 0.006, Turbo engine using head gasket with fire rings
	ESL-8280-008	Cylinder liner	509GC284AP8; 4.875 Bore, 0.008, Turbo engine using head gasket with fire rings
	ESL-8280-010	Cylinder liner	509GC284AP10; 4.875 Bore, 0.010, Turbo engine using head gasket with fire rings
	ESL-8280-012	Cylinder liner	509GC284AP12; 4.875 Bore, 0.012, Turbo engine using head gasket with fire rings
	ESL-8280-015	Cylinder liner	509GC284AP15; 4.875 Bore, 0.015, Turbo engine using head gasket with fire rings
	ESL-8280-020	Cylinder liner	509GC284AP20; 4.875 Bore, 0.020, Turbo engine using head gasket with fire rings
	ESL-8280-030	Cylinder liner	509GC284AP30; 4.875 Bore, 0.030, Turbo engine using head gasket with fire rings
	ESL-8280-040	Cylinder liner	509GC284AP40; 4.875 Bore, 0.040, Turbo engine using head gasket with fire rings
6	ESL-8262-006	Cylinder liner	509GC3155P6; 5.000 Bore, Not beaded
6	ESL-8232-STD	Cylinder liner	509GC287P1; 5.000 Bore, Std, Beaded configuration to be used with fire ring type head gasket
	ESL-8232-002	Cylinder liner	509GC287P2; 5.000 Bore, 0.002, Beaded configuration to be used with fire ring type head gasket
	ESL-8232-004	Cylinder liner	509GC287P4; 5.000 Bore, 0.004, Beaded configuration to be used with fire ring type head gasket
	ESL-8232-006	Cylinder liner	509GC287P6; 5.000 Bore, 0.006, Beaded configuration to be used with fire ring type head gasket
	ESL-8232-010	Cylinder liner	509GC287P10; 5.000 Bore, 0.010, Beaded configuration to be used with fire ring type head gasket
	ESL-8232-012	Cylinder liner	509GC287P12; 5.000 Bore, 0.012, Beaded configuration to be used with fire ring type head gasket
	ESL-8232-020	Cylinder liner	509GC287P20; 5.000 Bore, 0.020, Beaded configuration to be used with fire ring type head gasket

BEARINGS

1	EMS-8570-STD	Bearing main set	215SB72CP1; Std, less thrust
	EMS-8570-010	Bearing main set	215SB72CP2; 0.010 under, less thrust
	EMS-8570-020	Bearing main set	215SB72CP3; 0.020 under, less thrust

	EMS-8570-030	Bearing main set	215SB72CP4; 0.030 under, less thrust
1	EMS-8575-STD	Bearing main set	215SB72D; Std, Includes thrust bearings and lock pins
	EMS-8575-010	Bearing main set	215SB72DP2; 0.010 under, Includes thrust bearings and lock pins
	EMS-8575-020	Bearing main set	215SB72DP3; 0.020 under, Includes thrust bearings and lock pins
	EMS-8575-030	Bearing main set	215SB72DP4; 0.030 under, Includes thrust bearings and lock pins
2	EWA-2761-STD	Thrust washer kit	57GC279; Pin type; Std, Kit includes lock pins (1)EPN-2762
2	EWA-2761-002	Thrust washer kit	714GC216P2; Pin type; 0.002 over, Kit includes lock pins (1)EPN-2762
2	EPN-2762	Lock pin	183GC23
	EBK-2769-STD	Thrust washer set	57GC2110; Tabbed washer; Kit,Includes: Washers (1)EWA-2766-STD, (1)EWA-2768-STD
6	EBG-8330-STD	Bearing conn rod	62GB2382P1; Std, Pair, Early, Used in ECR-2085 connecting rod
6	EBG-8330-010	Bearing conn rod	62GB2382P10; 0.010, Pair, Used in ECR-2085 connecting rod
6	EBG-8330-020	Bearing conn rod	62GB2382P20; 0.020, Pair, Used in ECR-2085 connecting rod
6	EBG-8330-030	Bearing conn rod	62GB2382P30; 0.030, Pair, Used in ECR-2085 connecting rod
6	62GB2393P1-EP	Bearing conn rod	62GB2393P1; Std, Pair, Late, Used in ECR-2086 connecting rod [4VH; 1984]
6	EBG-8331-010	Bearing conn rod	62GB2393P10; 0.010, Pair, Used in ECR-2086 connecting rod
6	EBG-8331-020	Bearing conn rod	62GB2393P20; 0.020, Pair, Used in ECR-2086 connecting rod
6	EBG-8331-030	Bearing conn rod	62GB2393P30; 0.030, Pair, Used in ECR-2086 connecting rod
6	187GB138-EP	Bushing con rod	187GB138; For 2.000 pin
6	EBG-8030	Bushing con rod	187GB130; For 1.875 pin; early
1	ECB-8687	Bearing cam	57GC2132; Set Includes: Bearings (1)ECB-8647 (6)ECB-8644 (1)ETB-8690 (1)ETC-2035-010
1	EBK-8648	Bearing cam	57GC266; 2VH, Kit with thrust, Includes: (1)ECB-8642 (5)ECB-8644 (1)ECB-8643 (1)ETB-8690
1	EBK-8649	Bearing cam	57GC268; 4VH, Kit with thrust, Includes: (1)ECB-8642 (6)ECB-8644 (1)ETB-8690
1	EBK-8662	Bearing cam	4VH with Almuminum timing cover; Kit with thrust, Includes: (1)ECB-8647 (6)ECB-8644 (1)ETB-8690
	ECB-8640	Bearing cam	Kit no thrust, 2 Valve engine; Includes: (1)ECB-8642 (1)ECB-8643 (3)ECB-8644 (2)ECB-8645
	ECB-8641	Bearing cam	Kit no thrust, 2 Valve engine; Includes: (1)ECB-8642 (1)ECB-8643 (5)ECB-8644
	ECB-8686	Bearing cam	Kit no thrust, Includes: (1)ECB-8647 (6)ECB-8644
1	ECB-8643	Bearing cam	59GB122B; 2VH, Number 7
2	ECB-8645	Bearing cam	59GB1122P1
	ECB-8644	Bearing cam	59GB1109C; 2VH & 4VH: Number 2, 3, 4, 5, 6; 4VH Also Number 7
1	ECB-8642	Bearing cam	59GB188CP1; 2VH & 4VH, Number 1
1	59GB214B-EP	Bearing cam	59GB214B; Current
2	ETB-8690	Thrust cam	701GC11A; Kit (Camshaft & Auxiliary Shaft) Includes Pin (1)EPN-2764 (1)Thrust bearing
1	EAB-8854	Bearing auxillary	Kit, Late E6; Includes: (1)EAB-8670 (1)EAB-8669

1	EAB-8860	Bearing auxillary	Kit, Includes: (1)EAB-8670 (1)EAB-8680
1	EAB-8679	Bearing auxillary	61GB215; Required when installing early Auxiliary shaft in new block
1	EAB-8680	Bearing auxillary	61GB15C; Rear
1	61GB33-EP	Bearing auxillary	Front, with aluminum timing cover [61GB33]
1	EAB-8670	Bearing auxillary	61GB14C; Front

GASKET & SEALS

1	EGS-3890	Set upper	126SB183A; All 2VH, Without head gasket
1	EGS-3893	Set upper	All 2VH, With Block flow restricted head gaskets
1	EGS-3898	Set upper	126SB183; All 2VH, Current only, without head gaskets
1	EGS-3899	Set upper	All 2VH, Current only, with head gaskets
1	EGS-3894	Set upper	126SB187D, 126SB187; All 4VH, Without head gaskets
1	EGS-3897	Set upper	All 4VH, With head gaskets
1	EGS-3900	Set lower	126SB184A; All 2VH, does not include rear crankshaft seal
1	EGS-3904	Set lower	126SB188; All 4VH, does not include rear crankshaft seal
2	EGK-8423	Gasket cylinder head	3029-8213C, 553GB3267C; 2VH, without Fire Ring, 18 Stud
2	EGK-8424	Gasket cylinder head	3029-8197C, 553GB3266B; 2VH, without Fire Ring, 20 Stud
2	EGK-8425	Gasket cylinder head	57GC189A, 553GB433A; Kit; 2VH 20 stud or 4VH; Includes: (1)EGK-8424 (3)EFR-8421
6	EFR-8421	Fire ring	553GB187B; Cylinder head gasket
1	EGS-3832	Gasket valve cover	2VH Cork; Set, Includes: Gaskets (2)EGK-3920, (2)EGS-3890-040, Washers (6)EGS-3890-024
1	EGS-3833	Gasket valve cover	2VH Rubber; Set, Includes: Gaskets (2)EGK-3930 (2)EGK-3935, Washers (6)EGS-3890-024
2	EGK-3920	Gasket valve cover	554GB38; 2VH Cork
2	EGK-3930	Gasket valve cover	554GB38A; 2VH Rubber
2	554GB115-EP	Gasket valve cover	Silicone Rubber, 4VH (use with 41GC212 isolator) [554GB115]
6	EGS-3890-024	Washer valve cover	56AX326
2	EGS-3890-040	Gasket breather	590GB1176A
2	EGK-3935	Gasket breather	590GB2111A; Current
2	EGS-3900-037	Gasket lifter cover	601GB31D
1	EGS-3940	Gasket manifold	126SB147; Set, All 2VH 6 cylinder engines; Includes: (2)EGS-3890-021 (1)EGS-3900-046 (1)EGS-3900-054 (1)EGS-3900-062 (6)EGK-3937 (2)EGS-3890-010
1	EGS-3900-046	Gasket	590GB1148
1	EGS-3900-054	Gasket	590GB223
1	EGS-3900-062	Gasket	610GB224
	579GB41C-EP	Gasket oil pan	Single piece [579GB41C]
	579GB412A-EP	Gasket oil pan	Segmented, Silicone printed seal [579GB412A]
	579GB41E-EP	Gasket oil pan	Silicone printed seal [579GB41E]
	EGK-8413	Gasket oil pan	579GB412B; 1/16 thick, Segmented
	579GB41ET-EP	Gasket oil pan	1/16 thick [579GB41E]
1	56AX548-EP	Oring timing cover	For aluminum timing cover: Injection pump timing cover to Timing gear cover [56AX548]
	EOS-8592	Seal crankshaft front	446GC181; Neoprene, 4.25 OD [411275R]

	449GC32-EP	Seal crankshaft front	Contains: 446GC316 seal with retainer; use with aluminum timing cover [449GC32]
1	446GC316-EP	Seal crankshaft front	Neoprene, 4.00-inch OD (May be used with 1458-99325 wear ring) [446GC316; 415563N]
Current			
1	446GC310P2-EP	Seal crankshaft front	Teflon, 4.00-inch OD [446GC310P2, 446GC310P12; 5609]
Current			
	1458-99325-EP	Sleeve crank seal	Front, wear ring [1458-99325; NAT 99325]
	57GC186A-EP	Seal crankshaft rear	Kit, seal with wear sleeve; 446GC235A seal, 532GC220B wear sleeve [57GC186A; 5645]
	EKT-3801	Seal crankshaft rear	57GC187A; Kit, Seal & Wear Ring; Includes: Seal (1)ESE-7965 Wear Ring (1)ERG-3791, used with flange crank
	446GC235A-EP	Seal crankshaft rear	Neoprene, must be used with 532GC220B wear ring [446GC235A; 336665H]
	446GC238B-EP	Seal crankshaft rear	Neoprene, use without wear ring [446GC238B;L2297V]
	ESE-3340-STD	Seal crankshaft rear	446GC25P1; Lead, 0.125 thick
	ESE-3340-002	Seal crankshaft rear	446GC25P2; Lead, 0.156 thick
	446GC310P10-EP	Seal crankshaft rear	Teflon [446GC310P10]
	532GC220B-EP	Sleeve crank seal	Wear sleeve, 6.000 ID, 6.125 OD, 0.750 width [532GC220B; J2051]
	ERG-3791	Sleeve crank seal	532GC222A; Rear, wear ring, use with flanged crank [JV2088]
CAMSHAFT			
	ECM-9000	Camshaft	454GC4160AP1; 2VH, Non brake
	ECM-9002	Camshaft	454GC568B; 2VH, Brake / Non-Brake; EM6-300 Series
	ECM-9004	Camshaft	454GC580A; 2VH, Large #7 Journal
	ECM-9003	Camshaft	454GC578C; 4VH
	EGE-2583	Gear camshaft	668GB235
	EKY-2642	Key cam gear	42AX214
6	EPR-3550	Pushrod	369GC314A; 2VH, Intake, Also exhaust on Non-Dynatard engines
6	EPR-3551	Pushrod	369GC256A; 2VH, Exhaust, with Dynatard
6	EPR-3553	Pushrod	369GC314AP2; 4VH, Intake and Exhaust, Non-Dynatard
6	EPR-3552	Pushrod	369GC255A; 4VH, Exhaust, with Dynatard
12	EML-8582	Lifter	72GC347
12	EML-8583	Lifter	72GC357; Current, without oil hole
	EAS-8735	Auxillary shaft	453GC348A; With integral gear
	EAS-8734	Auxillary shaft	453GC239M; Assembly, Current, Includes: Shaft, plug
	EGE-2584	Gear auxillary shaft	667GB310AM; Use with EAS-8734 shaft
	ENU-0408	Nut auxiliary shaft	142GC1103M; Use with EAS-8734 shaft
	ENU-0076	Nut	20AX21; Shaft rear
	DLW-4125	Lock	83GC11; Shaft rear
	DCC-4128	Coupling	320GB279; Compressor, 18 Teeth
	EKY-2644	Key	42AX336; For coupling
	DTB-0481	Oil tube	201GC110
	EKY-2643	Key	42AX177; For oil pump drive gear
	DHB-4131	Hub	320GB327A; Compressor drive

	EDA-2989	Tach drive	Assembly, Includes: Shaft, housing, gsk, gear, pin
	ESH-2985	Shaft tach drive	465GC13, 465GC3150
	ETH-2988	Housing tach drive	769GB23
	EGS-3900-024	Gasket tach drive	598GB11C
	EGE-2983	Gear tach drive	685GB11; Kit, includes pin EPN-2984
	EPN-2984	Pin tach drive	31AX13

VALVE TRAIN

	E6HEAD1	2 VALVE HEAD PARTS:	
2	EHA-3311	Cylinder head	732GB4397P1; 2VH, Assembly, Standard valves; Includes: ECH-3310, springs, valves EVA-8130, EVA-8140, locks, rotators
2	EHA-3312	Cylinder head	732GB4397P2; 2VH, Assembly, Long life valves; Includes: ECH-3310, springs, valves EVA-8132, EVA-8141, locks, rotators
2	ECH-3310	Cylinder head	732GB4396P2; 2VH, Bare, Includes: Guides, seats, injector sleeves
6	EVA-8130	Valve intake	690GC2187B; Early, Standard
6	EVA-8132	Valve intake	690GC2193; Late, Long life, polished, optional
6	EVA-8140	Valve exhaust	688GC2352A; Early
6	EVA-8141	Valve exhaust	688GC337A; Late, Long life, optional
12	EVG-2370	Valve guide	714GB1308P2; Finished ID
12	EVG-2371	Valve guide	714GB210P4; Semi-Finished
12	EVG-2372	Valve guide	714GB210P2; Semi-Finished
	ESP-8160	Valve spring	575GC1100, 575GC173; Outer
	ESP-8150	Valve spring	575GC172, 575GC199; Inner
	ESP-8151	Valve spring	575GC31; Inner use with EOS-0442 seal
	ESS-8950	Valve spring	Kit, inclues: ESP-8151, ESP-8160, ERK-8324
	ESK-8951	Valve spring	57GC278; Kit, Includes: (12)ESP-8151, (12)EOS-0442
12	EVR-8325	Rotator	722GC226; Late, Long life, use with EVL-8210 locks
12	ERK-8324	Rotator	Kit, use to replace OEM 722GC219A early rotator; (1)EVR-8325 (2)EVL-8195
24	EVL-8190	Valve lock	54GC19; Early, Use with EVA-8130 and EVA-8140
24	EVL-8195	Valve lock	54GC28; Use with Std valve and EVR-8325 rotator
24	EVL-8200	Valve lock	54GC111; Use with OEM 688GC2321A valve
24	EVL-8210	Valve lock	54GC126; Late, Use with EVA-8132 and EVA-8141
12	EGA-0440	Valve stem seal	446GC139B; Oring, for 0.500 dia valve stem
12	EOS-0442	Valve stem seal	446GC279; Seal, use with ESP-8151 inner spring
6	EVS-2550-STD	Valve seat	13GC2237; Intake, Std
	EVS-2550-015	Valve seat	13GC2237P15; Intake, 0.015
	EVS-2550-031	Valve seat	13GC2237P31; Intake, 0.031
	EVS-2550-047	Valve seat	13GC2237P47; Intake, 0.047
	EVS-2550-062	Valve seat	13GC2237P62; Intake, 0.062
6	EVS-2540-STD	Valve seat	13GC2247P1; Exhaust, Std
	EVS-2540-015	Valve seat	13GC2247P15; Exhaust, 0.015
	EVS-2540-031	Valve seat	13GC2247P31; Exhaust, 0.031
	EVS-2540-047	Valve seat	13GC2247P47; Exhaust, 0.047
	EVS-2540-062	Valve seat	13GC2247P62; Exhaust, 0.062
6	EIS-8340	Injector sleeve	12GC129P1
6	EST-2650	Stud injection nozzle	616GC116
6	FNU-0073	Nut injection nozzle	20AX3

40	EST-1600	Stud cylinder head	610GC1123; (20 Req per head)
	ESC-1601	Bolt cylinder head	400GC33; Optional, 5/8-11 x 6
	EWA-1780	Washer cylinder head	711GC1100P9; 1-1/8 OD
	EWA-1783	Washer cylinder head	711GC1100P14; 1.00 OD
	ENU-2110	Nut cylinder head	142GC157
	ECP-8211	Plug	49AX155; Core (Threaded)
	EGA-1660	Oring	446GC175
	EPP-3576	Plug	Cylinder head, Pipe (3/4in NPT) [9409949]
	E6HEAD2	4 VALVE HEAD PARTS:	
2	22-E6-4V	Cylinder head	Remanufactured complete, 4-valve head [Cast: 732GB3424, 732GB5311, 732GB5292]
2	ECH-3316	Cylinder head	732GB4484; 4VH, Bare, Includes: Seats, inj sleeves, guides, plugs
12	690GC2210-EP	Valve intake	3/8 stem, 1.694 head dia, 6.955 OAL, 30 degree, 1-groove, Marked "I" [690GC2210]
12	688GC2378-EP	Valve exhaust	3/8 stem, 1.573 head dia, 6.867 OAL, 30 degree, 2-groove, Marked "E" [688GC2378]
24	EVG-2374	Valve guide	714GB26; 7/16 valve stem, Semi-finished
24	EVG-2378	Valve guide	714GB26P2, 714GB217P2; 7/16 valve stem, Pre-reamed
24	714GB222P2-EP	Valve guide	3/8 valve stem, Pre-reamed, 3.155 OAL, use with 446GC328 seal [714GB222P2]
24	714GB222-EP	Valve guide	3/8 valve stem, Semi-finished, use with 446GC328 seal
24	575GC213-EP	Valve spring	For single spring, 2.717 free length, 1.056 ID, 1.410 OD [575GC213]
24	722GC321-EP	Retainer valve	For 3/8 valve stem, tip end, single or dual spring [722GC321; replaces 722GC311 was for single spring only]
24	722GC235-EP	Rotator	Lower, plain steel; for single spring arrangement [722GC235, 722GC223]
48	54GC25-EP	Valve lock	For 3/8 valve stem [54GC25]
24	EGA-0441	Valve stem seal	446GC138B; Oring, for 7/16 valve stem
24	446GC328-EP	Valve stem seal	For 3/8 valve stem, use with 714GB222P2 or 714GB222 guide [446GC328; replaces 446GC296]
12	13GC2251P1-EP	Valve seat	Intake, Std [13GC2251P1]
	13GC2251P15-EP	Valve seat	Intake, 0.015 [13GC2251P15]
	13GC2251P31-EP	Valve seat	Intake, 0.031 [13GC2251P31]
	13GC2251P47-EP	Valve seat	Intake, 0.047 [13GC2251P47]
	13GC2251P62-EP	Valve seat	Intake, 0.062 [13GC2251P62]
12	13GC2264P1-EP	Valve seat	Exhaust, Std [13GC2264P1]
	13GC2264P15-EP	Valve seat	Exhaust, 0.015 [13GC2264P15]
	13GC2264P31-EP	Valve seat	Exhaust, 0.031 [13GC2264P31]
	13GC2264P47-EP	Valve seat	Exhaust, 0.047 [13GC2264P47]
	13GC2264P62-EP	Valve seat	Exhaust, 0.062 [13GC2264P62]
6	12GC212A-EP	Injector sleeve	Standard [12GC212A]
	12GC212AP20-EP	Injector sleeve	0.20in oversize [12GC212AP20]
14	400GC33P4-EP	Bolt cylinder head	400GC33P4; 7-13/16 length
6	ESC-1603	Bolt cylinder head	400GC33P5; 6-3/4 length
	400GC33P3-EP	Bolt cylinder head	400GC33P3; 7-13/16 length, Tapped head
	EWA-1780	Washer cylinder head	711GC1100P9; 1-1/8 OD
	EWA-1783	Washer cylinder head	711GC1100P14; 1.00 OD

	EPN-2777	Pin valve yoke	183GC25
	ECP-3486	Plug	79AX68Z; Core, 1-1/16in dia
	ESS-0150	Bolt	7AX277; Threaded, 7/16in-14 x 7/16in
	EPP-3572	Plug	49AX242, 49AX179; Pipe, 1/16in-27 NPT
	ECP-3485	Plug	79AX63; Core, 13/16in dia
CRANKSHAFT			
1	EM21250	Crankshaft	456GC2125; 2VH, Kit, Includes: ESC-2124 crank, EBG-8330 rod brg, main brg set, flywheel bolts and washers
1	EM21260	Crankshaft	456GC2139; 4VH, Kit, Includes: ESC-2124 crank, EBG-8331 rod brg, main brg set, flywheel bolts and washers
1	EM21240	Crankshaft	456GC5113P1
1	EGE-2585	Gear crankshaft	670GB239
1	EKY-2640	Key	42AX550; Crankshaft hub
1	EKY-2641	Key	42AX620; Crankshaft gear
6	ESC-1610	Bolt flywheel	419GC113B; 5/8-18 x 1-3/4
6	EWA-1782	Washer flyheel	711GC1146; 1-1/8 OD x 5/8 ID x 1/8 thick, optional
1	ERE-2150	Retainer rear seal	759GB115; For Lead seal, flanged crank, 1/2 Pan bolts
1	ERE-7970	Retainer rear seal	759GB429; For Neoprene seal, ESC-2192 pan bolts 1/2in
1	ERE-7972	Retainer rear seal	759GB430; For Neoprene seal, flanged crank, ESC-2192 pan bolts 1/2in
1	ERE-7973	Retainer rear seal	759GB431; For Neoprene seal, ESC-005 pan bolts 3/8 in
8	ESC-0023	Bolt retainer	4AX5; 5/16in x 18 x 1in
8	EWA-0049	Washer retainer	36AX22; 5/16in ID
1	EHD-8585	Damper harmonic	404GB471; Viscous, Graduated scale; Requires use of 796GB271P1 Indicator
Non-Intercooled with brake, except MB Chassis; END707, END711, END673A, ENDT673C			
1	EHD-8586	Damper harmonic	404GB472; Viscous, Graduated scale; Requires use of 796GB271P1
Intercooled, All chassis; ENDT676, ENDTB676			
1	EHD-8587	Damper harmonic	404GB469; Viscous, Pointer; Requires use of 796GB317P4 Indicator
Non-Intercooled, Except MB Chassis; ET673E, ETB673, ETY673E, ETZ673, ETZ673B, ETZ673C, ETZB673C, ETZ673E, E6-200, EM6-231, E6-235, EM6-237, EME6-237, E6-250, E6-260, ENDT675, ENDTB675, ETAB675, ETY675			
1	EHD-8588	Damper harmonic	404GB470; Viscous, Pointer; Requires use of 796GB317P4 Indicator
Intercooled, Except MC & MR Chassis; ETA673A, ETAY673A, ETAYB673A, ETAZ673, ETAZ673A, ETAZB673, ETAZB673A, ETA676, ETAB676, ETAB676B, ENDT676, ENDTB676B, EM6-250, EMC6-250L, EM6-250L-4VH, EM6-275L, EM			
6	ESC-0028	Bolt damper	421GC1139, 6AX819; 7/16-14 x 1-1/8
1	ESC-8408	Bolt hub	436GC16; 7/8-14 x 3
1	ECP-8627	Pully crankshaft	302GC2188A; 2 belt
1	EHB-8535	Hub crankshaft	788GB283P7; Short, 2 Belt, 4.7in
1	EHB-8536	Hub crankshaft	788GB283P5; Long, 3 Belt, 5.4in
1	EHB-8532	Washer hub	710GC145P2; Long
1	EHB-8534	Washer hub	710GC211; Short
CONNECTING ROD			
6	ECR-2085	Connecting rod	367GC3219P2; Uses EBG-8330 bearing; May be used to replace MAK 367GC3170 early rods in sets only

6	ECR-2086	Connecting rod	367GC4247P2; Uses EBG-8331 bearing; E6-350 4VH and Late E6 2VH (1984 model year)
12	ESC-2090	Bolt connecting rod	396GC139; 5/8-18 x 2-1/2

OIL / LUBE SYSTEM

1	EOP-3350	Oil pump	315GC3118H; Low Pressure
1	EOP-3351	Oil pump	315GC445G; High Pressure
1	EGE-2580	Gear oil pump	683GB1154A; Drive
1	EGE-2590	Gear oil pump	683GB273, 683GB1153; Top driven
1	EPB-3352	Oil pump housing	767GB238B; Assembly, Includes: Housing, Bushings (2)EBG-3359 Shaft (1)ESH-3358
1	EGE-8910	Gear oil pump	463GC31B; Gear and shaft
1	EBG-3359	Bushing	186GB172A; For EGE-8920 shaft
1	BNU-0192	Nut	21AX638; Nylon Insert, lock nut
1	BNU-0195	Nut	21AX872; Lock, flanged, optional
1	EWA-0064	Washer	37AX6
1	EGE-8920	Gear oil pump	683GB1144B; Idler, includes: (2)EBG-8921 bushings
2	EBG-8921	Bushing	186GB169; Idler shaft
1	ESH-3358	Shaft idler	464GC145A, 464GC145
1	EOT-3341	Tube pickup	211GC3122; Oil pump pickup
1	56AX470-EP	Oring	Oil pump pickup inlet [56AX470]
1	EGS-3900-018	Gasket	591GB11C; Oil pump pickup inlet
2	GSC-0009	Bolt	6AX1308X; Oil pump pickup, 3/8-16 x 1-1/4
2	EWA-0068	Washer	35AX1345; Oil pump pickup
1	EPL-2061	Plunger	296GC135; Relief valve
1	ESP-3354	Spring	572GC114; Relief valve
1	EPR-3356	Lock	85GC11; Relief valve
1	ENU-3348	Nut	226GB122; Relief valve, For EOP-3351 oil pump, high pressure
1	ENU-3355	Nut	226GB147; Relief valve, For EOP-3350 oil pump, low pressure
1	EPC-3353	Housing cover	350GB44E; Lower
	ESC-0007	Bolt	6AX1291X; 1/4-20 x 5/8
	BSC-0011	Bolt	6AX1317X; Short, 7/16-14 x 1-1/4
	ESC-0024	Bolt	416GC115; Long, 7/16-14 x 4
1	EPR-3357	Cover	332GB145; Lower side
2	ESC-0008	Bolt	6AX1304X; For EPR-3357 cover, 3/8-16 x 5/8
2	ESC-0854	Bolt	6AX1591; For EPR-3357 cover, flanged hex, 3/8-16 x 3/4
1	EGK-3349	Gasket	590GB1243A; Gasket for EPR-3357 cover
1	ECC-8604	Oil cooler	Core, includes installation gaskets (tube-type cooler) [57GC270, 316GB35P2]
1	ECA-8605	Oil cooler housing	312GB367CP2; Kit, Core, Includes; Housing (1)ECH-8606, Gasket kit (1)ECA-8605-001, Screw (1)ESC-0006 Washer (1)EWA-0061
1	ECH-8606	Oil cooler housing	312GB444P2
1	FKT-4613	Oil cooler	215SB124; Kit, conversion, Includes: ECA-8605, ECH-8601, ECH-8602, EOM-8598, EBT-3307, EOT-8599, FHF-0160

1	OCS-E6E7-EP	Set oil cooler	Includes: Gaskets 549GB28AP4, (2) 549GB28AP1, 56AX392, Orings 446GC225A, 446GC1161, 446GC1160
2	EGS-3900-015	Gasket oil cooler	Cooler housing to water inlet and outlet housings [549GB28AP1]
1	ESE-8962	Oring oil cooler	Cooler core, water outlet end [446GC225A]
1	EGS-3900-065	Gasket oil cooler	Cooler core to housing [549GB28AP4]
1	ECH-8596	Housing water inlet	Long tube [493GB454]
1	ECH-8601	Housing water inlet	Short tube [493GB2222]
	ESC-0039	Bolt	4AX255; 5/16-18 x 2-3/4
	ESC-2189	Bolt	6AX1279; 5/16-18 x 7/8
1	ECH-8602	Housing water outlet	493GB3127
1	ECH-8593	Housing water outlet	493GB3153; With tube
	BWA-0051	Washer	36AX4
2	EGA-0472	Oring oil cooler	Inlet to housing [446GC1161]
1	EGA-0471	Oring oil cooler	Manifold to inlet [446GC1160]
1	EOT-8599	Tube oil inlet	[237GC2110A]
1	EOM-8598	Manifold oil cooler	Kit, Includes Plug 49AX234Z [497GB56, 497GB40P1]
	6AX28	Bolt	6AX28
	ESC-0012	Bolt	4AX1; 3/8-16 x 1
	FWA-0050	Washer	36AX3
1	FHF-0160	Fitting	63AX892; 45 Elbow, 3/8 NPT
1	EGS-3890-038	Gasket water outlet	590GB1131; Elbow
1	EGS-3890-043	Gasket water outlet	605GB13B
1	EFC-8551	Cap oil filler	222GB214; 2 inch, with chain, Bottle stopper type
1	EFC-8552	Cap oil filler	222GB27A; 2 inch, without chain, Bottle stopper type
1	EFC-8550	Cap oil filler	7649-AAX1193; 2 inch, flat
1	EFC-8553	Cap oil filler	222GB213; Current, 1-3/8
1	EFT-8548	Oil filler tube	477GB3121B; Without chain tie down hole
1	EFT-8549	Oil filler tube	477GB3121BP2; With chain tie down hole
1	EFT-8547	Oil filler tube	477GB471; Steel, use EFC-8553 cap
1	EGS-3890-039	Gasket oil fill	56AX284
1	EGS-3900-022	Gasket oil fill	56AX447
1	EGS-3900-066	Gasket oil fill	590GB1362; Use with EFT-8547 tub
1	EGS-3890-030	Gasket oil fill	590GB1150B; Early

FUEL / INJECTOR

1	EPA-3587	Fuel supply pump	79-SPA22B6363A; With primer, up to 250hp, 6 BB pump [ESP-3581 pump with primer] [SPA22B6363A]
1	ESP-3581	Fuel supply pump	319GC110; Without primer, up to 250hp, 6 BB pump [SPA22B2]
1	ESP-3597	Fuel supply pump	314GC228A; Without primer, PLM pump, 250hp and Up [SPA25A]
1	EPA-3588	Fuel supply pump	With primer, up to 250hp [EPA-3581, EPP-3586] Interchangeable with EPA-3587
1	ESP-3598	Fuel supply pump	314GC227; 2 Valve
1	ESP-3599	Fuel supply pump	314GC227P2; 4 Valve

1	EPP-3585	Pump primer	2112-S592AB6
1	EPP-3586	Pump primer	318GC17A; Interchangeable with EEP-3585
1	EGK-3927	Gasket fuel pump	79-GA400554 [GA400554]
6	E6INJ	Injector	Remanufactured injectors available, call for pricing
6	EIN-8935	Injector nozzle	114GC39 [NBM770000]
6	EIN-8936	Injector nozzle	114GC310 [ABD155S153-7]
6	EIN-8937	Injector nozzle	114GC324AP4 [935-0433175062]
6	EWA-2440	Injector seal	590GB1127; Lower, copper [GA77009]
6	590GB2166-EP	Seal injector	Lower, copper [590GB1338]
for 4VH			
6	ESC-8750	Nozzle screw	79-SC780649 [SC780649]
6	EWA-2470	Nozzle washer	121SB22; Upper, copper [GA404119]
6	EFT-2656	Fitting nozzle drain	498GB28A; Single
6	EFT-2655	Fitting nozzle drain	498GB27A; Double
6	EGS-3890-044	Gasket injector	590GB1143; Nozzle holder, outer
	MFH-4175-010	Fuel return hose	243AX6F; 10 foot length
6	EWA-2471	Nozzle seal	79-GA1034 [GA1034]
6	EGA-2610	Nozzle oring	79-GA1074 [GA403396]
6	EIS-8960	Injector seal	449GC120
6	446GC2125-EP	Oring injector	Upper nozzle holder [446GC2125]
6	EGA-3876	Oring nozzle holder	446GC1195; Upper nozzle holder
6	EGK-3866	Gasket nozzle holder	590GB1352; Upper nozzle holder
6	56AX460-EP	Oring injector	Middle [56AX460]
for 4VH			
12	446GC1208-EP	Oring injector	Upper [446GC1208]
for 4VH			
COOLING SYSTEM			
1	EWP-3360	Water pump	316GC1184; Long shaft, long housing, cast impeller
1	EWP-3364	Water pump	Short shaft, long housing, stamped impeller; Includes EWP-8663 pulley
1	EWP-3365	Water pump	316GC1205; Short shaft, long housing, stamped impeller
1	EWP-3366	Water pump	316GC1211A; Long shaft, long housing, stamped impeller
1	EWP-3368	Water pump	316GC1219A; Short shaft, long housing, stamped impeller; CH model
1	EWP-3382	Water pump	Short shaft, long housing, stamped impeller; Includes EAP-8628 pulley
1	EWP-3510	Water pump	316GC184H; Short housing, stamped impeller, single row front bearing
1	EWP-3515	Water pump	316GC184P; Short housing, stamped impeller, single row front bearing
1	57GC182-EP	Set water pump	57GC182; Includes: EGK-3852, EGK-3847, EGK-3846
1	EGK-3852	Gasket pump to hsg	610GB216; Pump to housing
1	EGK-3846	Gasket water pump	56AX107, 56AX567; Housing to block
1	EGK-3847	Gasket water pump	Inlet [56AX392]
1	EWP-8663	Pulley water pump	302GC43A; Cast, 3 belt, 2 Groove drive and 1 Groove for A/C Compressor
1	EWP-8626	Pulley water pump	302GC2187A; Steel, 2 belt
1	EAP-8628	Pulley water pump	309GC2215; Air Conditioner Drive

1	215SB165P1-EP	Thermostat	Kit, 155 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P1, 215SB165AP55]
1	215SB165P2-EP	Thermostat	Kit, 170 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P2, 215SB165AP70]
1	215SB165BP3-EP	Thermostat	Kit, 180 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165BP3, 215SB165AP80]
1	590GB1334-EP	Gasket thermostat	Single thermostat [590GB1334]
1	447GC216A-EP	Seal thermostat	[447GC216A]
TURBO / AIR			
1	ETC-3723	Turbocharger	465380-5014; Slip connection [465380-14]
1	ETC-3730	Turbocharger	465498-5002; [465498-2]
1	ETC-3740	Turbocharger	466398-5001; [466398-1]
1	ETC-8289	Turbocharger	631GC5118P6; V-band compression outlet, S4A [194769]
1	ETC-8293	Turbocharger	631GC485; 4LE [186301]
1	ETC-8294	Turbocharger	631GC487P1; 4LD, Slip connection [185604]
1	ETC-8294X	Turbocharger	631GC487P1X; Reman, 4LE
1	ETC-8295	Turbocharger	631GC4101P13; 4LE [185605]
1	ETC-8296	Turbocharger	631GC440A; 4LE [180955]
1	ETC-8297	Turbocharger	631GC5100P4; 4LE [186261]
1	ETC-8298	Turbocharger	631GC5114; 4LE [188891]
1	ETC-8299	Turbocharger	631GC5118P5; S4A [194768]
1			
1	3316-409038-EP	Gasket turbo mounting	Dual port [3316-409038]
1	EKT-0305	Turbo mounting kit	370SB23; Kit includes: Studs (4)EST-0045, Washers (4)EWA-0176, Nuts (4)ENU-0188
4	EST-0045	Stud turbo mount	616GC180B
4	EWA-0176	Washer turbo mount	37AX495
4	ENU-0188	Nut turbo mount	21AX852
1	590GB1296A-EP	Gasket turbo drain	590GB1296A; [132040]
1	EGS-2863	Gasket turbo drain	[148062]
1	590GB2109A-EP	Gasket turbo drain	[590GB2109A, 590GB2150; 166193]
1	EGS-2861	Gasket turbo inlet	56AX356; [129119]
1	EIH-1979	Hose turbo inlet	744GB310; Silicone, 3.00 ID x 4.00 length
1	EIH-1980	Hose turbo inlet	42QE3158P2; Rubber, 3.50 ID x 3.00 length
1	EIH-1981	Hose	744GB37, 744GB144P1; Silicone, 3.00 ID x 3.00 length
1	EIH-1982	Hose turbo inlet	744GB216P2, 744GB144P2; Silicone, 4.00 ID x 2.25 length
1	EIH-1983	Hose turbo inlet	744GB216P3, 744GB144P3; Silicone, 3.50 ID x 2.00 length
1	EIH-1984	Hose	Front to rear manifold connection 3-1/2 ID x 2-1/2 length [744GB37P3, 744GB216P4]
1	EIH-1985	Hose turbo inlet	744GB216P5, 744GB144P5; Silicone, 2.50 ID x 2.50 length
1	EIH-1986	Hose turbo inlet	744GB216P6, 744GB144P6; Silicone, 1.37 ID x 2.50 length
1	EIH-1988	Hose	Inlet, Silicone, 3-3/4 ID x 3-5/8 length [744GB310P2]
1	EIH-1989	Hose turbo inlet	Silicone, 3.50 ID x 3.50 length
1	EIH-2011	Hose turbo inlet	45MD29BP4; Silicone, 3.00 ID x 9.50 length
1	EIH-2012	Hose turbo inlet	45MD252; Silicone, 2.00 ID x 4.63 length
1	EIH-2013	Hose turbo inlet	45MD354M2; Silicone, 3.50 to 4.00 ID x 4.75 length

EEX-1911	Manifold exhaust	104GC4300P4; Center, horizontal bolt pattern, side mount turbo
EEX-1913	Manifold exhaust	104GC4274B; Center, horizontal bolt pattern, compound angle turbo mounting
EEX-1882	Manifold exhaust	104GC5166; Center, short mounting bosses, angle turbo mount
EEX-1883	Manifold exhaust	104GC5168; Center, short mounting bosses, diagonal bolt patter, side mount turbo
EEX-2040	Manifold exhaust	104GC343A; Rear, horizontal bolt pattern
EEX-2050	Manifold exhaust	104GC342A; Front
EEX-2053	Manifold exhaust	104GC5167; Front / Rear, short mounting bosses
EEX-2052	Manifold exhaust	Front and Rear, High Boss (1/2 thick flange, 2-1/2 raised boss [104GC259M]
EEX-2054	Manifold exhaust	Front and Rear, Low Boss (3/4 thick flange, no raised bosses) [104GC5164M]
EGK-3937	Gasket manifold exhaus	573GB310; 4-bolt; ENDT676
EGK-3938	Gasket manifold exhaus	573GB310A, 573GB260; 4 bolt holes, with steel band
EGK-3934	Gasket manifold exhaus	2-bolt [573GB257A]
ELK-1990	Lock manifold exhaust	87GC132; Use w/ EEX-1913 and EEX-1911 center exhaust manifolds
ELK-1995	Lock manifold exhaust	End, use with 157AM5002C nuts [87GC212]
Use w/ EEX-1883 and EEX-1913 center exhaust manifolds		
ELK-1996	Lock manifold exhaust	Center, use with 157AM5002C nuts [87GC213]
Use w/ EEX-1883 and EEX-1913 center exhaust manifolds		
EST-0040	Stud manifold exhaust	616GC28AP2, 17AX93; 7/16-14 x 1-7/8
EST-0041	Stud manifold exhaust	616GC28A; 7/16-14 x 4
EST-0043	Stud manifold exhaust	616GC248; 7/16-14 x 2-3/8
ENU-0070	Nut manifold exhaust	23AX395; Anti-seize
ENU-0071	Nut manifold exhaust	22AX22C; 7/16-14
ENU-0277	Nut manifold exhaust	23AX514; Flanged, locking, copper plated, 7/16-14
BWA-0067	Washer manifold exhaus	37AX256
EMK-1967	Kit manifold intake	Includes: 105GC249, 105GC4222B, 744GB37P3, (2) 83AX698
Kit, retrofit stamped manifold to current cast intake		
EMA-1969	Manifold intake	Front, with top air connection [105GC4222B]
Front		
EMA-1968	Manifold intake	105GC249, 105GC4217B
Rear		
EGK-3936	Gasket manifold intake	573GB170
EGS-3890-015	Gasket manifold intake	573GB135; Used with stamped manifold
EGS-3890-010	Gasket manifold intake	One piece [590GB312B]
ESC-2198	Bolt manifold intake	6AX1427; 12 point, 7/16-14 x 1-1/4
35AX1361U-EP	Washer manifold intake	35AX1361U
EIH-1984	Hose	Front to rear manifold connection 3-1/2 ID x 2-1/2 length [744GB37P3, 744GB216P4]
FSU-0559	Sensor air temp	64MT291
EIH-1871	Hose	45MD344M; Inlet, 4 ID x 6 length
EIH-1872	Hose	45MD344M4; Inlet, 4 ID x 4-3/4 length
EIH-1873	Hose	45MD344M5; Inlet, 4 ID x 7-5/8 length
EIH-1874	Hose	45MD344M6; Inlet, 4 ID x 9-1/2 length

	EIH-1875	Hose	45MD344M7; Inlet, 4 ID x 4 length
	EIH-1981	Hose	744GB37, 744GB144P1; Silicone, 3.00 ID x 3.00 length
	EIH-1987	Hose	Intlet, 3 ID x 6 length [45MD29B]
	EIH-1988	Hose	Inlet, Silicone, 3-3/4 ID x 3-5/8 length [744GB310P2]
	EIH-1991	Hose	Inlet, 3-1/2 ID x 5-15/16 length [45MD342M]
	EIH-1992	Hose	Inlet, 3-1/2 ID x 4-3/4 length [45MD342M2]
	EIH-1993	Hose	Inlet, 4 ID x 7-1/8 length [45MD414M3]
	ECL-1955	Clamp hose	[83AX698, 83AX454]
	EET-1890	Inlet tube	680GC414CP1; ENDTF673C
	EIT-1891	Turbo crossover tube	680GC524B; ETZ673E, EM6-200
	EIT-1892	Turbo crossover tube	680GC520; ENDT675
	EGS-3890-033	Gasket inlet elbow	573GB149; Early
	EGS-3890-037	Gasket inlet elbow	590GB1107; Early
	EGS-3890-016	Gasket crossover	590GB1321; Early
	ETF-3705X	Tip turbine fan	418GB46; FAN,Tip Turbine (Reman)
	ETK-3672	Tip turbine kit	3316-468032; Kit, shaft [468032-0000]
	EIC-1976	Intercooler	314GB41C; Core, Air to Air
	EIC-1977	Intercooler	314GB44B; Core, Air to Air, Series, Use with EIC-1978 intercooler core
	EIC-1978	Intercooler	314GB51B; Core, Water to Air, Series, use with EIC-1977 intercooler core
	EGK-3926	Gasket intercooler	590GB44; Intercooler Core
	ESC-2199	Screw	6AX1353; 12 point, 3/8-16 x 3
	EGK-3928	Seal intercooler	449GC27; Intercooler End, 6-3/4in length
	EGK-3931	Seal intercooler	449GC27P2; Intercooler End, 4-1/2in length
	EVA-2775-001	Puff limiter valve	691GC218CX
	EVA-2775-004	Puff limiter valve	691GC218CP4X
	EVA-2775-009	Puff limiter valve	691GC218CP9X
BLOCK			
6	EIM-2021	Piston cooling nozzle	115GC216, 115GC113A
6	EIM-2022	Piston cooling nozzle	115GC251
6	EWA-2070	Washer cooling nozzle	87GC133; Lock tab
6	ESC-2060	Bolt cooling nozzle	421GC144
MISC			
	E6CVR1	FOR STEEL COVER:	
1	ETC-2035	Timing cover	333GB141DP3; Kit, Tapped for 1/2 inch pan bolts; Cover, gaskets, screws, washers, nuts
1	ETC-2036	Timing cover	333GB274; Kit, Tapped for 3/8 inch (ESC-0015) pan bolts; Cover, gaskets,screws, washers, nuts
1	EGS-3900-049	Gasket timing cover	548GB41D
1	ETC-2035-020	Timing gear cover	370GB25AP1
1	EGS-3900-041	Gasket timing gear cove	590GB236A
	QEB-1590	Front mount	10QL3205; Assembly, steel timing cover only; Includes bolts and washers
	ESC-0088	Scew front mount	6AX949; 5/8-11 x 1-3/4
	BWA-0054	Washer front mount	36AX7X
	FMM-4650	Insulator front mount	20QL1166

	FMM-4652	Insulator front mount	20QL1171; Use with QEB-1590 front mount
	FMM-4653	Insulator front mount	20QL281
	E6CVR2	FOR ALUMINUM COVER	
1	ETC-2037	Timing cover	333GB5135M; Aluminum
	FMT-4656	Insulator front mount	20QL313M; 3-1/2 OD
	FMT-4658	Insulator front mount	20QL312M2; 2-5/8 OD
	FSC-0374	Bolt insulator	27AM35; M16 x 2 x 100
	FNU-0404	Nut insulator	171AM6
	FSP-4657	Spacer insulator	73UR12254M
	35AX1158	Washer insulator	
	FMT-4992	Motor mount	Front lower (CH) [20QL322]
	FMT-4993	Motor mount	Front upper (CH) [20QL329]
2	FSC-0377	Bolt motor mount	27AM38; M16 x 2 x 130mm
	FNU-0402	Nut motor mount	191AM6; Locking
	FMT-4649	Engine insulator	20QL37P4; Front auxiliary transmission mount
1	EFW-3995	Flywheel	530GB4380P2; Kit, for 14-inch Dana type clutch; Includes (6)BNU-0261, (1)EPN-5125, (6)CPN-9711
1	EFW-3996	Flywheel	530GB3142; For 15-1/2 Dana type clutch
1	ERG-3990	Gear starter ring	673GB222; 118 teeth
	BNU-0261	Nut flywheel	21AX814
	EPN-5125	Locating pin	31AX491
	CPN-9711	Drive pin	183GC191; Threaded
1	EFH-3998	Flywheel housing	634GC5194A
	EPN-5116-STD	Alignment pin	183GC192P1; PIN,Alignment (STD)
	EPN-5116-016	Alignment pin	183GC192P2; PIN,Alignment (.016in Oversize)
	EPN-5116-033	Alignment pin	183GC192P3; PIN,Alignment (.033in Oversize)
	EPN-5116-063	Alignment pin	183GC192P4; PIN,Alignment (.063in Oversize)
1	EBG-8040	Pilot bearing	46AX310 [305S3]
1	EBG-8630	Pilot bearing	46AX471; Sealed with snap ring [306SLV]
1	EBG-8639	Bearing clutch pilot	46AX534, Sealed
1	EBG-8760	Pilot bearing	46AX313 [5304]

Mack **E7 PLN; 12.0L** Diesel PLN (1989-1997)	6 Cylinder Bore 4.875 Stroke 6.500	

ENGINE KITS			
1	MACK-E7CN-IF	Inframe kit	Upgrade from 1-pc to 2-pc piston, 16.5:1 CR; 57GC3118A cylinder kit, 57GC2189 piston kit [215SB198G, 215SB198F]
Also includes piston cooling nozzles for 2-pc piston			
1	MACK-E7-IF-220	Inframe kit	2-pc piston 16.9:1 CR, current sleeve, 215SB220A cylinder kit, 215SB232A piston kit [215SB200G, 215SB200F]
1991-1993: All; 1994: Mechanical; 1995 early: Mechanical 250-350HP			
1	MACK-E7-IF-218	Inframe kit	2-pc piston, 15.3:1 CR, current sleeve, 215SB218E cylinder kit, 215SB230A piston kit [215SB362]
1994-1997: V-MAC and V-MACII 375-454HP			
1	MACK-E7-IF-219-P	Inframe kit	2-pc piston, 16.5:1 CR, current sleeve, 215SB219E cylinder kit, 215SB231A piston kit [215SB208C, 215SB208B]
1994-1997: V-MAC and V-MACII 250-350HP; 1996-1997: Mechanical 300-350 (mfg prior to Aug 1996)			
1	MACK-E7-IF-236	Inframe kit	2-pc piston, 15.7:1 CR, current sleeve, 57GC2249463 / 215SB236C cylinder kit, 57GC2152 piston kit
1995 late: Mechanical 250-300HP; 1996-1997: Mechanical 250-300HP			
1	MACK-E7-RR-01	Rering inframe kit	Pistonless; Includes rings, cylinder liners, rod and main bearings, upper gasket set, head gasket sets
1	MACK-E7-RR-02	Rering inframe kit	Crownless; Includes skirt, pin, retainers, rings, cylinder liners, rod and main bearings, upper gasket set, head gasket sets
CYLINDER KIT			
6	57GC3118A-F	Cylinder kit	16.5:1 CR, 2-pc piston [57GC3118A; 57GC2189 piston kit, 240GC5123M crown]
Prior to 1991: Used in sets of six to convert early 1-piece aluminum piston to 2-piece piston, MUST ALSO use 115GC316 cooling nozzle			
6	215SB217E-EP	Cylinder kit	215SB217D; 16.9:1 CR, 2-pc piston, early sleeve (stepped fire ring) [215SB232A piston kit, 353GC2133 ring set, 509GC450 liner]
1991-1993: All; 1994: Mechanical; 1995 early: Mechanical 250-350HP			
6	215SB220A-EP	Cylinder kit	16.9:1 CR, 2-pc piston, current sleeve (rectangular fire ring) [215SB220A; 215SB232A piston kit, 353GC2133 ring set, 509GC463 liner]
1991-1993: All; 1994: Mechanical; 1995 early: Mechanical 250-350HP			
6	215SB218E-EP	Cylinder kit	15.3:1 CR, 2-pc piston, current sleeve [215SB218E; 215SB230A piston kit, 353GC2133 ring set, 509GC463 liner]
1994-1997: V-MAC and V-MACII 375-454HP			
6	215SB219E-EP	Cylinder kit	16.5:1 CR, 2-pc piston, current sleeve [215SB219E; 215SB231A piston kit, 353GC2133 ring set, 509GC463 liner]
1994-1997: V-MAC and V-MACII 250-350HP; 1996-1997: Mechanical 300-350 (mfg prior to Aug 1996)			
6	57GC2249463-F	Cylinder kit	15.7:1 CR, 2-pc piston [215SB236C; 57GC2152 piston kit, 240GC597 crown, 509GC463 liner]
1995 late: Mechanical 250-300HP; 1996-1997: Mechanical 250-300HP			
6	57GC2189	Piston kit	16.5:1 CR, 2-pc piston, Conventional bowl; Includes: crown (240GC5123), skirt, pin, retainers [57GC2189; 240GC2257 crown/skirt]
2-piece steel-top piston for replacment of one-piece aluminum piston 240GC585 (sold in cylinder kit 57GC3118A only)			
6	215SB232A-EP	Piston kit	PLN: 16.9:1 CR, 2-pc piston, Conventional bowl; Includes: crown (240GC591), skirt, pin, retainers [215SB232A, 57GC2143; 240GC2246 crown/skirt]
6	215SB230A-EP	Piston kit	PLN: 15.3:1 CR, 2-pc piston, Conventional bowl; Includes: crown (240GC596), skirt, pin, retainers [215SB230A, 57GC2151; 240GC2248 crown/skirt]
6	215SB231A-EP	Piston kit	16.5:1 CR, 2-pc piston, Straight sided bowl; Includes: crown (240GC598, 240GC5122), skirt, pin, retainers [215SB231A, 57GC2153; 240GC2250 crown/skirt]

6	57GC2152	Piston kit	15.7:1 CR, 2-pc piston, Re-Entrant bowl; Includes: crown (240GC597), skirt, pin, retainers [57GC2152; 240GC2249 crown/skirt]
6	353GC280B-EP	Ring set	4.875 Bore, 4-ring, Longlife, (2) Key chrome plated lower side, (1) Key chrome tapered face, (1) 3/16 Oil wide rail [353GC280B]
Used with early 1-piece aluminum piston, original liner			
6	353GC2139-EP	Ring set	4.875 Bore, 4-ring, Plasma, (2) Key plasma, (1) Key chrome tapered face, (1) 3/16 Oil wide rail [353GC2139]
Used with early 1-piece aluminum piston, 509GC463 liner			
6	353GC2137-EP	Ring set	For 2-pc piston, 3 ring grooves, plasma [353GC2137, 353GC2142, 353GC2136]
6	353GC2133-EP	Ring set	For 2-pc piston, 3 ring grooves, plasma [353GC2133]
6	182GC2223-EP	Piston pin	[182GC2223]
12	97AX127-EP	Retainer piston pin	[97AX127]
6	509GC450-EP	Cylinder liner	Early, stepped fire ring seats, Use with 57GC2155 head gasket / fire rings [509GC450; replaces 509GC454, 509GC459]
Engines manufactured prior to June 1993 (may be converted to liner with flat style fire ring)			
6	509GC465-EP	Cylinder liner	Replaced by 509GC463; Flat style fire ring, with crevice seal groove, Use with 57GC2115A head gasket / fire rings [509GC465]
Engines manufactured after June 1993, beginning with esn series 3L			
6	509GC463-EP	Cylinder liner	Flat style fire ring, without crevice seal groove (Current), Use with 57GC2115A head gasket / fire rings [509GC463; replaces 509GC466, 509GC465; 509GC450, 509GC454, 509GC459]
6	447GC235-EP	Cylinder liner oring	447GC235; Crevice seal
It is recommended that use of the crevice seal be discontinued in all engine repairs or rebuilds, whether or not the liner has a crevice seal groove			
6	446GC1241-EP	Cylinder liner oring	446GC1241; Oring, lower
Early engines; It has been determined this oring is not required as long as RTV is used at the sleeve seat			
	505GC26P2-EP	Shim liner	0.002" thick [505GC26P2]
	505GC26P4-EP	Shim liner	0.004" thick [505GC26P4]
	505GC26P10-EP	Shim liner	0.010" thick [505GC26P10]
	505GC26P20-EP	Shim liner	0.020" thick [505GC26P20]

BEARINGS

1	57GC387-EP	Bearing main set	Std, includes thrust washers [57GC387]
1	57GC387P10-EP	Bearing main set	0.010, includes thrust washers [57GC387AP10]
1	57GC387P20-EP	Bearing main set	0.020, includes thrust washers [57GC387AP20]
1	57GC387P30-EP	Bearing main set	0.030, includes thrust washers [57GC387AP30]
1	57GC2144-EP	Thrust washer set	Std, includes upper and lower [57GC2144]
1	57GC2144P2-EP	Thrust washer set	0.002, includes upper and lower [57GC2144P2]
6	62GB2396A-EP	Bearing rod pair	Std [62GB2396A]
6	62GB2396P10-EP	Bearing rod pair	0.010 [62GB2396P10, 62GB2396AP10]
6	62GB2396P20-EP	Bearing rod pair	0.020 [62GB2396P20, 62GB2396AP20]
6	62GB2396P30-EP	Bearing rod pair	0.030 [62GB2396P30, 62GB2396AP30]
6	187GB29-EP	Bushing con rod	[187GB29]

1	57GC2129-EP	Cam bearing kit	Includes: (5) 59GB217 bushing, (2) 59GB218 bushing; 702GC247A thrust, (2) 271AM5007 washer , (2) 41AM1 screw [57GC2129]
5	59GB217-EP	Cam bearing	Single bushing [59GB217]
2	59GB218-EP	Cam bearing	Single bushing [59GB218]
1	57GC2128-EP	Auxiliary bearing kit	Includes: (2) 61GB33 bearings (1)702GC248B thrust (2) 271AM5007 washer (2) 10AM5002 screw [57GC2128]
2	61GB33-EP	Bearing auxillary	Front, with aluminum timing cover [61GB33]
1	702GC248B-EP	Thrust plate	Thrust [702GC248B]
2	10AM5002-EP	Bolt	M8-1.25 x 20mm [10AM5002]

GASKET & SEALS

1	57GC2118-EP	Set cylinder head	Without head gaskets, LESS valve stem seals [57GC2118]
1	57GC2118A-EP	Set cylinder head	Without head gaskets, Includes valve stem seals [57GC2118A]
1	57GC2119-EP	Set conversion	Less crankshaft seals [57GC2119]
2	57GC2155-EP	Gasket cylinder head	Early, stepped fire ring design, includes: 553GB473 head gasket, (3) 553GB3279 fire rings [57GC2155]
2	57GC2115A-EP	Gasket cylinder head	Current, flat fire ring design, includes: 553GB473 head gasket, (3) 553GB224 fire rings [57GC2115A, 57GC2115]
2	554GB115-EP	Gasket valve cover	Silicone Rubber, 4VH (use with 41GC212 isolator) [554GB115]
2	554GB321-EP	Gasket valve cover	Silicone, joined ends (use with 41GC225 isolators) [554GB321]
1	JB13411	Gasket engine brake	Includes 2 gaskets [Jacobs 13411, 1013411; Mack 4559-13411]
1	579GB41C-EP	Gasket oil pan	Single piece [579GB41C]
1	579GB412A-EP	Gasket oil pan	Segmented, Silicone printed seal [579GB412A]
1	579GB41E-EP	Gasket oil pan	Silicone printed seal [579GB41E]
1	579GB41ET-EP	Gasket oil pan	1/16 thick [579GB41E]
1	579GB422-KIT	Set oil pan	Includes: 579GB422 gasket, (30) 41GC212 islolators
1	579GB422-EP	Gasket oil pan	Rubber [579GB422]
30	41GC212-EP	Isolator oil pan	Used with 579GB422 pan gasket [41GC212]
1	56AX548-EP	Oring timing cover	For aluminum timing cover: Injection pump timing cover to Timing gear cover [56AX548]
1	446GC310P2-EP	Seal crankshaft front	Teflon, 4.00-inch OD [446GC310P2, 446GC310P12; 5609]
1	446GC316-EP	Seal crankshaft front	Neoprene, 4.00-inch OD (May be used with 1458-99325 wear ring) [446GC316; 415563N]
1	449GC32-EP	Seal crankshaft front	Contains: 446GC316 seal with retainer; use with aluminum timing cover [449GC32]
1	1458-99325-EP	Sleeve crank seal	Front, wear ring [1458-99325; NAT 99325]
1	446GC238B-EP	Seal crankshaft rear	Neoprene, use without wear ring [446GC238B;L2297V]
1	446GC235A-EP	Seal crankshaft rear	Neoprene, must be used with 532GC220B wear ring [446GC235A; 336665H]
1	57GC186A-EP	Seal crankshaft rear	Kit, seal with wear sleeve; 446GC235A seal, 532GC220B wear sleeve [57GC186A; 5645]
1	446GC310P10-EP	Seal crankshaft rear	Teflon [446GC310P10]
1	513GC28A-EP	Ring installation	Use with seals: 446GC310P10, 446GC238B [513GC28A]

CAMSHAFT

1	ECM-9007	Camshaft	[454GC5142A; replaces 454GC583A, 454GC583]
1	702GC247A-EP	Cam thrust bearing	[702GC247A]
2	271AM5007-EP	Washer camshaft	For cam and auxillary thrust capscrew and [271AM5007]

2	41AM1-EP	Screw camshaft	Cam thrust, M8-1.25 x 20 [41AM1]
1	EKY-3185	Key camshaft	Straight [43AX9]
12	EML-8582	Lifter	72GC347
Non-Dynatard intake/exhaust, Dynatard intake: Use only with non-current push rod 369GC329A			
12	EML-8583	Lifter	72GC357; Current, without oil hole
Can be used to replace 72GC347 with either current or non-current push rod			
12	EPR-3533	Pushrod	369GC334; Non-Dynatard, Intake and exhaust
Non-Dynatard intake/exhaust, Dynatard intake			
12	EPR-3534	Pushrod	369GC332A; Dynatard, Exhaust
Dynatard Exhaust			
	AUX		
1	EAS-8738	Auxiliary shaft assy	With 17 teeth oil pump gear; Shaft, hub, gear 683GB318 (1.3:1 std ratio), tube, nut [453GC379AM]
1	EAS-8739	Auxiliary shaft assy	With 18 teeth oil pump gear; Shaft, hub, gear 683GB319 (1.5:1 fast ratio), tube, nut [453GC381M]
1	EAS-8737	Auxiliary shaft	453GC420BM
1	ENU-0408	Nut auxiliary shaft	142GC1103M; Use with EAS-8734 shaft
1	EHB-4137	Hub compressor drive	597GC210
1	DTB-0484	Oil tube	670GC276

VALVE TRAIN

2	732GB4482M-EP	Cylinder head	Bare [732GB4482M]
2	22-E7-4V	Cylinder head	Remanufactured complete [Cast: 732GB3452]
12	690GC2210-EP	Valve intake	3/8 stem, 1.694 head dia, 6.955 OAL, 30 degree, 1-groove, Marked "I" [690GC2210]
Prior to November 1996; Can replace with 20-degree valves AND 20-degree seats			
12	690GC427-EP	Valve intake	3/8 stem, 1.694 head dia, 7.056 OAL, 20 degree, 1 groove, Marked "2" [690GC427, 690GC417, 690GC411]
12	690GC410-EP	Valve intake	3/8 stem, 1.694 head dia, 7.056 OAL, 20 degree, 1 groove, Marked "J" [690GC410, 690GC425]
12	688GC2378-EP	Valve exhaust	3/8 stem, 1.573 head dia, 6.867 OAL, 30 degree, 2-groove, Marked "E" [688GC2378]
12	688GC2389-EP	Valve exhaust	3/8 stem, 1.573 head dia, 6.867 OAL, 30 degree, 2-groove, Marked "Y", Pyromet (.020" thicker valve head) [688GC2389]
Do not use on engines equipped with a Dynatard engine brake			
24	714GB222P2-EP	Valve guide	3/8 valve stem, Pre-reamed, 3.155 OAL, use with 446GC328 seal [714GB222P2]
Early; can replace with late guide AND late seal together (also use 711GC258 spring seat washer if tip rotators are installed)			
	714GB222-EP	Valve guide	3/8 valve stem, Semi-finished, use with 446GC328 seal
24	714GB3113A-EP	Valve guide	3/8 valve stem, with ridges for seal, Pre-finished; use with 446GC332 seal (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [714GB3113A]
	714GB3113P2-EP	Valve guide	3/8 valve stem, ridges for seal, Semi-finished, 3.113 OAL;use with 446GC332 seal (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [714GB3113P2]
24	446GC328-EP	Valve stem seal	For 3/8 valve stem, use with 714GB222P2 or 714GB222 guide [446GC328; replaces 446GC296]
24	446GC332-EP	Valve stem seal	For 3/8 valve stem, use with 714GB3113P2 or 714GB3113A guide (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [446GC332]
24	575GC213-EP	Valve spring	For single spring, 2.717 free length, 1.056 ID, 1.410 OD [575GC213]
Standard spring, use with bottom roator 722GC235			

12	575GC36-EP	Valve spring	Single spring, or Outer for dual spring [575GC36; can replace 575GC35]
Heavy spring, use with bottom rotator 722GC313A, for Jacobs® Stealth Retarding System			
24	722GC321-EP	Retainer valve	For 3/8 valve stem, tip end, single or dual spring [722GC321; replaces 722GC311 was for single spring only]
24	722GC235-EP	Rotator	Lower, plain steel; for single spring arrangement [722GC235, 722GC223]
Used with intake and exhaust spring 57GC213			
12	722GC313A-EP	Rotator	Lower, heat treated steel, blue color [722GC313A; replaces 722GC314 tip rotator]
Used with exhaust spring 575GC35, for Jacobs® Stealth Retarding System			
48	54GC25-EP	Valve lock	For 3/8 valve stem [54GC25]
12	13GC2251P1-EP	Valve seat	Intake, Std [13GC2251P1]
	13GC2251P15-EP	Valve seat	Intake, 0.015 [13GC2251P15]
	13GC2251P31-EP	Valve seat	Intake, 0.031 [13GC2251P31]
	13GC2251P47-EP	Valve seat	Intake, 0.047 [13GC2251P47]
	13GC2251P62-EP	Valve seat	Intake, 0.062 [13GC2251P62]
12	13GC2264P1-EP	Valve seat	Exhaust, Std [13GC2264P1]
	13GC2264P15-EP	Valve seat	Exhaust, 0.015 [13GC2264P15]
	13GC2264P31-EP	Valve seat	Exhaust, 0.031 [13GC2264P31]
	13GC2264P47-EP	Valve seat	Exhaust, 0.047 [13GC2264P47]
	13GC2264P62-EP	Valve seat	Exhaust, 0.062 [13GC2264P62]
6	12GC212A-EP	Injector sleeve	Standard [12GC212A]
	12GC212AP20-EP	Injector sleeve	0.20in oversize [12GC212AP20]
20	400GC39M2-EP	Bolt cylinder head	M16-2 x 198mm (7-51/64 inch) [400GC39M2, 400GC39M]
20	400GC39M4-EP	Bolt cylinder head	M16-2 x 225mm (8-55/64 inch) [400GC39M4, 400GC39M3]
	EWA-1780	Washer cylinder head	711GC1100P9; 1-1/8 OD
	EWA-1783	Washer cylinder head	711GC1100P14; 1.00 OD
	EPP-3576	Plug	Cylinder head, Pipe (3/4in NPT) [9409949]
	ECP-3486	Plug	79AX68Z; Core, 1-1/16in dia
	ECP-3485	Plug	79AX63; Core, 13/16in dia
	EPP-3572	Plug	49AX242, 49AX179; Pipe, 1/16in-27 NPT
	EPN-2777	Pin valve yoke	183GC25
CRANKSHAFT			
1	ECR-2089	Crankshaft	Kit, includes 456GC2156M crankshaft assembly, main and rod bearings, flywheels bolts and washers [57GC2145]
1	ECR-2088	Crankshaft	Assembly, includes crankshaft and 183GC238 flywheel alignment pin [456GC2156M, 456GC5140M]
1	670GB245M	Gear crankshaft	670GB245M
1	EKY-2641	Key	42AX620; Crankshaft gear
1	EHB-8568	Damper harmonic	13.5-inch [404GB498C, 404GB492, 404GB498A]
1	EHB-8569	Damper harmonic	12.0-inch [404GB499B, 404BG493, 404GB499A]
1	EPN-5105	Pin flywheel alignment	183GC238
6	ESC-1611	Bolt flywheel	M16-1.5 x 40mm [419GC29M]
6	EWA-0393	Washer flywheel bolt	16mm ID x 28mm OD x 3mm thick [271AM5008]
6	ESC-1581	Bolt flywheel	M16-1.5 x 40mm, Bolt with captive washer [419GC31M]
CONNECTING ROD			
6	367GC4267M2-EP	Connecting rod	New style with alignment sleeves; uses bolts with 14mm thread [367GC4267M2, 367GC4267M; replaces 367GC4255M; 367GC4243M2X]

12	396GC24M-EP	Bolt connecting rod	M16-1.5 x 76mm (M16 head) Used with old style rods 367GC4255M, 367GC4255M2 [396GC24M]
12	396GC211M-EP	Bolt connecting rod	M14-1.5 x 76mm (M16 head) Used with new style rods 367GC4267M, 367GC4267M2 [396GC211M]
12	183GC251-EP	Sleeve cap alignment	Used with new style rods 367GC4267M, 367GC4267M2 and bolt 396GC211M only [183GC251]

OIL / LUBE SYSTEM

1	EOP-3331	Oil pump	12 teeth (1.5:1 fast ratio), uses 683GB284 drive gear [315GC459BM3]
For 315GC459M2 Pump assembly (front sump) relocate cover 332GB145 to opposite port			
1	EOP-3332	Oil pump	13 teeth (1.3:1 std ratio), uses 683GB287 drive gear [315GC460M]
For 315GC460M2 Pump Assembly (front sump) relocate cover 332GB145 to opposite port			
1	EOT-3333	Tube oil pickup	[497GB440, 497GB415P1]
1	ETS-3334	Screen oil pickup	[388GC243M, 388GC231A]
1	56AX470-EP	Oring	Oil pump pickup inlet [56AX470]
1	EGE-2582	Gear oil pump	Drive, 18 teeth (1.5:1 fast ratio), use with 683GB284 12-teeth driven gear [683GB319]
1	EGE-2581	Gear oil pump	Drive, 17 teeth (1.3:1 std ratio), use with 683GB287 13-teeth driven gear [683GB318]
1	EGE-2591	Gear oil pump	Driven, 12 teeth (1.5:1 fast ratio), use with 683GB319 18-teeth drive gear [683GB284]
1	EGE-2589	Gear oil pump	Driven, 13 teeth (1.3:1 std ratio), use with 683GB318 17-teeth drive gear [683GB287]
1	EGE-8918	Gear oil pump	Driveshaft, One-piece shaft and gear assembly [465GC45AM; replaces 463GC315AM shaft and 683GB291 gear]
1	ECC-8604	Oil cooler	Core, includes installation gaskets (tube-type cooler) [57GC270, 316GB35P2]
1	OCS-E6E7-EP	Set oil cooler	Includes: Gaskets 549GB28AP4, (2) 549GB28AP1, 56AX392, Orings 446GC225A, 446GC1161, 446GC1160
1	EGS-3900-065	Gasket oil cooler	Cooler core to housing [549GB28AP4]
1	ESE-8962	Oring oil cooler	Cooler core, water outlet end [446GC225A]
2	EGS-3900-015	Gasket oil cooler	Cooler housing to water inlet and outlet housings [549GB28AP1]
1	EGA-0472	Oring oil cooler	Inlet to housing [446GC1161]
1	EGA-0471	Oring oil cooler	Manifold to inlet [446GC1160]
1	ECH-8596	Housing water inlet	Long tube [493GB454]
1	ECH-8573	Housing water outlet	[493GB57M]
1	EOT-8599	Tube oil inlet	[237GC2110A]
1	EOM-8598	Manifold oil cooler	Kit, Includes Plug 49AX234Z [497GB56, 497GB40P1]

FUEL / INJECTOR

NOTE: Always match proper injector, model year data is for general reference only			
6	736GB341R-P	Injector reman	Remanufactured [736GB341X; 736GB341; 0432-193-873, tip 0-433-175-020 or 0-433-0175-080]
1989-90			
6	736GB343P2R-P	Injector reman	Remanufactured [736GB343P2X, 736GB343P2; 0432-193-862, tip 0-433-175-037]
1991-94: E7 300-350 Mechanical; 1991-93: E7 350-400 V-MAC; 1995: EM7 250-275 Mechanical, E7 300-350 Mechanical with 240GC2246A piston			
6	736GB343P3C-P	Injector reman	Remanufactured [736GB343P3X, 736GB343P3; 0432-193-864, tip 0-433-175-035]
1991-94: EM7 300 Mechanical; 1991-93: E7 300 V-MAC; 1991-92: EM7 300 V-MAC (1992 with 10-deg Econovance); 1995: EM7 300 Mecanical with 240GC2246A piston			
6	736GB343P4R-P	Injector reman	Remanufactured [736GB343P4X, 736GB343P4; 0432-193-863, tip 0-433-175-036]
1991-93: 250-275 V-MAC and Mechanical; 1992 -93: EM7-300 V-MAC (1992 with 20-deg Econovance); 1994: 250-275 Mechanical			
6	736GB343P6R-P	Injector reman	Remanufactured [736GB343P6X, 736GB343P6; 0432-193-832, tip 0-433-175-063]
1994-97: 325, 350 V-MAC, V-MAC II; 1995-97: 330/350 V-MAC II; 1996-97: 310/300, 355/380 V-MAC II			

6	736GB343P7R-P	Injector reman	Remanufactured [736GB343P7X, 736GB343P7; 0432-193-833, tip 0-433-175-062]
1994-97: 375-427 V-MAC, V-MAC II; 1994-97: 454 V-MAC			
6	736GB343P8R-P	Injector reman	Remanufactured [736GB343P8X, 736GB343P8; 0432-193-831, tip 0-433-175-064]
1994-97: 250-300 V-MAC, V-MAC II; 1995-97: E7-250 Mechanical			
6	736GB343P9R-P	Injector reman	Remanufactured [736GB343P9X, 736GB343P9; 0432-193-804, tip 0-433-175-089]
1995-97: EM7 250, 275, 300 Mechanical with 240GC2249 piston;			
6	736GB343P11R-P	Injector reman	Remanufactured [736GB343P11X, 736GB343P11; 0432-193-803, tip 0-433-175-090]
1995: E7-300, 350 Mechanical with 240GC2250 piston; 1996-97: E7-300, 350 Mechanical with 240GC2249 or 240GC2250 piston			
6	736GB343P12R-P	Injector reman	Remanufactured [736GB343P12X, 736GB343P12; 0432-193-796; tip 0-433-175-096]
1995-97: 454 V-MAC II			
6	207SB12-EP	Injector oring kit	Contains one each: 446GC1208, 56AX460, 590GB1338 [207SB12]
6	446GC1208-EP	Oring injector	Upper [446GC1208]
6	56AX460-EP	Oring injector	Middle [56AX460]
6	590GB2166-EP	Seal injector	Lower, copper [590GB1338]
1	ESP-3509	Fuel supply pump	Includes elbow fitting 63AX3667, nut 935-2443315000 [314GC227P5, 0440008086, 935-0440008086]
for P7100, P7200 V-MAC and mechanical pumps			
1	ESP-3503	Fuel supply pump	With hand primer; Includes elbow fitting 63AX3667, nut 935-2443315000 [935-0440008120, 0440008120]
for P8500 pumps only with hand primer			
1	EFF-4138	Fitting elbow	Elbow fitting, 1/4in Pipe x 3/8in Tube [63AX3667, 2443380004]
1	ENU-4139	Nut sealing	[935-2443315000 , 2443315000]
1	EHB-8539	Hub injection pump	791GB329M; Injection Pump Driven Gear
1	EGS-3903-003	Oring pump mount	935-2410210014; For Robert Bosch pump
COOLING SYSTEM			
1	EWP-3367	Water pump	Water pump only; less rear housing and pulley, Short shaft (6.30 length), separate shaft and bearing style, with breather [316GC284A]
1	EWP-3369	Water pump	Water pump only; less rear housing and pulley, Long shaft (7.25 length), separate shaft and bearing style, with breather [316GC285B]
1	WP1228-PR	Water pump	Remanufactured, less rear housing, with pulley: 5-1/2" diameter, 3-belt [316GC548MX; pulley 302GC3200M, 302GC3192M]
1	WP1227-PR	Water pump	Remanufactured, less rear housing, with pulley: 7-1/4" diameter, 3-belt [316GC548M2X; pulley 302GC457M, 302GC445M]
1	WP1233-PR	Water pump	Remanufactured, less rear housing, with pulley: 6-5/8" diameter, 3-belt [316GC548M4X; pulley 302GC459M, 302GC449M]
1	WP1232-PR	Water pump	Remanufactured, less rear housing, with pulley: 3-belt, with fan extension [316GC4107MX; pulley 302GC460M, 302GC4108M]
1	WP1234-PR	Water pump	Remanufactured, less rear housing, with pulley: 3-belt, with fan extension [316GC4108MX; pulley 302GC462M, 302GC4109M]
1	EWP-8678	Pulley	Cast, 3 belt [302GC3200M]
1	EBT-8683	Tensioner belt	87GB41A
1	215SB165P1-EP	Thermostat	Kit, 155 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P1, 215SB165AP55]
1	215SB165P2-EP	Thermostat	Kit, 170 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P2, 215SB165AP70]

1	215SB165BP3-EP	Thermostat	Kit, 180 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165BP3, 215SB165AP80]
1	590GB1334-EP	Gasket thermostat	Single thermostat [590GB1334]
1	447GC216A-EP	Seal thermostat	[447GC216A]
1	57GC182-EP	Set water pump	57GC182; Includes: EGK-3852, EGK-3847, EGK-3846
1	EGK-3826	Gasket pump to hsg	610GB233; Steel shim, Foamette
1	EGK-3852	Gasket pump to hsg	610GB216; Pump to housing
1	EGK-3847	Gasket water pump	Inlet [56AX392]
1	EGK-3846	Gasket water pump	56AX107, 56AX567; Housing to block
1	EPK-3857	Water pump kit	57GC2123A; for rebuilding EWP-3367 pump
1	EPK-3858	Water pump kit	57GC2124A; for rebuilding EWP-3369 pump
1	EBG-3860	Bearing front	46AX497; For 2 belt pulley, double row, 2.047 OD
1	EBG-3870	Bearing rear	46AX451
1	ERW-0745	Impeller	379GC38; Stamped
1	ESR-3372	Seal water pump	447GC224A; Use with ERW-0745 impeller
1	ESL-3851	Slinger	518GC11
1	ERS-8480	Oring	446GC1108; Shaft front
1	ESR-2831	Retaining ring	325GC120; Shaft front
1	ESH-3884	Shaft water pump	Use with 316GC284A pump, short shaft [469GC253M]
1	ESH-3883	Shaft water pump	Use with 316GC285B pump, long shaft [469GC254M]
1	ENU-0405	Nut lock	153AM1
1	ENU-0407	Nut	171AM5006; use with ESH-3883 shaft
1	EWA-0392	Washer hardened	271AM5; use with ESH-3883 shaft
1	ETS-0721	Spacer shaft	550GC22P1
1	EPH-8578	Housing water pump	771GB4106M; Pump to block, Includes drain valve
1	EPH-8579	Housing water pump	771GB535M, 771GB4107M; Pump to block
1	EPH-8574	Housing water pump	771GB530AM, 771GB530M; Pump to block
1	ECW-3379	Housing water pump	360GB251AM, 360GB52M; Pump housing
7	ESC-0380	Bolt water pump	421GC279M; Pump to housing, M8-1.25 x 16
1	EBF-6441	Breather	541KB23
1	EPP-3574	Plug	49AX233; Pipe 3/8 inch
1	EWO-3302	Manifold water outlet	107GC4121; Front
1	EWO-3309	Manifold water outlet	107GC552A; Rear
1	EGS-3890-029	Gasket water manifold	557GB118
1	ECH-8705	Hose water manifold	160AX561, 160AX5133P4
2	ECL-1953	Clamp hose	83AX452, 63AX790
1	FSU-0557	Sensor	64MT2103; Water temperature
TURBO / AIR			
1	ETC-3741	Turbocharger	631GC5133AM4; 300-350HP, Hose Connection (R,RD,DM) [465859-5006]
1	ETC-3742	Turbocharger	631GC5133AM6; 300-350HP, V-Band (CH) [465859-5007]
1	ETC-3743	Turbocharger	631GC5133AM12; 250-300HP, Hose Connection (R,RD,DM) [465861-5002]
1	ETC-3744	Turbocharger	631GC5133AM14; 250-300HP, V-Band (CH) [465861-5003]

1	ETC-8264	Turbocharger	631GC5153AM; S400 / 041 [171177]
1	ETC-8265	Turbocharger	631GC5153AM2; S400 / 069 [173125]
1	ETC-8266	Turbocharger	631GC5123P4; S3A [198020]
1	ETC-8267	Turbocharger	631GC5126P2; S3A [198024]
1	ETC-8268	Turbocharger	631GC5127M23; S3A [166033]
1	ETC-8269	Turbocharger	631GC5123P6; S3A [198021]
1	ETC-8273	Turbocharger	631GC5123P3; S3A [197504]
1	ETC-8274	Turbocharger	631GC5123P7; S3A [166042]
1	ETC-8275	Turbocharger	631GC5127M5; S3A [197939]
1	ETC-8276	Turbocharger	631GC5127M; S3A [166034]
1	ETC-8277	Turbocharger	631GC5127M21; S3A [166045]
1	ETC-8278	Turbocharger	631GC5127M27; S3A [166031]
1	ETC-8279	Turbocharger	631GC5127M32; S3A [166044]
1	EKT-2779	Kit turbo repair	7536-166138; For S3B [166138, 702602-001]
1	EIH-2004	Hose turbo inlet	76mm ID x 102mm length [45MD361M]
1	EIH-2001	Hose turbo inlet	76mm ID x 140mm length [45MD361M3]
1	EIH-2002	Hose turbo inlet	76mm ID x 152mm length [45MD361M4]
1	EIH-2005	Hose turbo inlet	76mm ID x 190mm length [45MD361M5]
1	EIH-2003	Hose turbo inlet	102mm ID x 152mm length [45MD363M3]
1	EIH-2007	Hose turbo inlet	102mm ID x 197mm length [45MD363M4]
1	EIH-2008	Hose turbo inlet	90mm ID x 262mm length [45MD417M2]
2	EEX-2055	Manifold exhaust	Kit, Front and Rear, Low Boss; Includes: (1) 104GC5164M manifold, (4) 142GC236M nuts, (4) 616GC245M3 studs
2	EEX-1823	Manifold exhaust	Kit, Center, Low Boss; Includes: (1) 104GC5165M3 manifold, (4) 142GC236M nuts, (4) 616GC245M3 studs
2	EEX-1763	Manifold exhaust	Kit, Center, Low Boss, angled turbo mounting; Includes: (1) 104GC5163AM2 manifold, (4) 142GC236M nuts, (4) 616GC245M3 studs
2	EEX-2052	Manifold exhaust	Front and Rear, High Boss (1/2 thick flange, 2-1/2 raised boss [104GC259M]
Prior to March 1995			
2	EEX-2054	Manifold exhaust	Front and Rear, Low Boss (3/4 thick flange, no raised bosses) [104GC5164M]
Production beginning March 1995			
1	EEX-1848	Manifold exhaust	Center, Low Boss [104GC5165M3, 104GC5165M]
1	EEX-1764	Manifold exhaust	Center, Low Boss, angled turbo mounting [104GC5163AM2]
1	590GB1189A-EP	Gasket turbo mounting	Single port [590GB1189A; 132040]
1	831014	Gasket turbo mounting	Single port, Double gasket [590GB49]
1	3316-409038-EP	Gasket turbo mounting	Dual port [3316-409038]
1	EKT-0306	Kit turbo mounting	Hardware kit, includes: (4) 616GC228M studs, (4) 271AM5009 washers, (4) 142GC247M nuts; M10 studs and nuts [370SB24]
4	EST-0417	Stud turbo mount	616GC228M; M10-1.50 x M10-1.25 x 65mm
4	EWA-0337	Washer turbo mount	0.430 ID, 0.790 OD, 0.080 thick (1mm ID x 20mm OD x 2mm thick) [271AM5009]
4	GWA-0063	Washer turbo mount	0.453 ID, 0.812 OD, 0.065 thick [35AX1542]
4	ENU-0406	Nut turbo mount	M10 x 1.25, locking [142GC247M; replaces 171AM10]
6	EGK-3934	Gasket manifold exhaus	2-bolt [573GB257A]

12	EST-0416	Stud manifold exhaust	M12-1.75 x 103mm [616GC245M2, 616GC230AM2]
High Boss, Prior to March 1995			
	EST-0415	Stud manifold exhaust	M12-1.75 x 113mm [616GC245M, 616GC230AM]
Pre 1992 1/2 V-MAC engines whenever the injection line brackets are secured to the exhaust manifold			
12	EST-0421	Stud manifold exhaust	M12-1.75 x M12-1.75 x 60mm length [616GC245M3; replaces 616GC230M3]
Low Boss			
12	ENU-0411	Nut manifold exhaust	M12-1.75, flanged, locking, copper plate [142GC236M]
1	831016	Kit manifold mounting	Exhaust manifold, contains: (12) 616GC245M3 studs, (12) 142GC236M nuts, (6) 573GB257A gaskets [215SB310]
Low Boss			
Early mounting, separate nut and washer:			
12	ENU-0410	Nut manifold exhaust	M12-1.25, copper plate [157AM5002C]
12	EWA-0168	Washer manifold exhaus	0.516 ID, 1.00 OD, 0.125 thick [35AX1380]
4	ELK-1995	Lock manifold exhaust	End, use with 157AM5002C nuts [87GC212]
2	ELK-1996	Lock manifold exhaust	Center, use with 157AM5002C nuts [87GC213]
1	EMK-1967	Kit manifold intake	Includes: 105GC249, 105GC4222B, 744GB37P3, (2) 83AX698
1	EMA-1969	Manifold intake	Front, with top air connection [105GC4222B]
1	805070	Manifold intake	Front, with front air connection [105GC5190M]
1	EMA-1968	Manifold intake	105GC249, 105GC4217B
2	EGS-3890-010	Gasket manifold intake	One piece [590GB312B]
12	ESC-0372	Bolt manifold intake	41AM4; M10-1.5 x 30
12	GWA-0063	Washer turbo mount	0.453 ID, 0.812 OD, 0.065 thick [35AX1542]
4	EPP-3573	Plug intake manifold	49AX230, 49AX251
1	EIH-1984	Hose	Front to rear manifold connection 3-1/2 ID x 2-1/2 length [744GB37P3, 744GB216P4]
1	EIH-1987	Hose	Intlet, 3 ID x 6 length [45MD29B]
1	EIH-1988	Hose	Inlet, Silicone, 3-3/4 ID x 3-5/8 length [744GB310P2]
1	EIH-1991	Hose	Inlet, 3-1/2 ID x 5-15/16 length [45MD342M]
1	EIH-1992	Hose	Inlet, 3-1/2 ID x 4-3/4 length [45MD342M2]
1	EIH-1993	Hose	Inlet, 4 ID x 7-1/8 length [45MD414M3]
3	ECL-1955	Clamp hose	[83AX698, 83AX454]
BLOCK			
6	115GC310-EP	Piston cooling nozzle	115GC310; Early, for 1-pc piston
6	115GC316-EP	Piston cooling nozzle	115GC316; Current, for 2-pc piston
6	52AX47-EP	Oring piston nozzle	52AX47; 52AX44
	EPN-2765	Pin	31AX268; Cylinder head locating
1	EGK-3844	Gasket breather	590GB2167
14	ESC-2097	Bolt main bearing	409GC37M; M16-2 x 154mm
6	ESC-2102	Bolt	421GC265M; Main bearing buttress, M12-1.25 x 80mm
2	ESC-2103	Bolt	421GC265M2; Main bearing buttress, M12-1.25 x 110mm
4	ECP-3487	Plug	79AX67; 1-3/8 inch, core type
1	GKP-3488	Plug	79AX59, 1/2 inch, core type
1	FPP-3577	Plug	49AX244, 1/4 inch
9	ECP-8660	Plug	79AX66Z, 1-3/4 inch, core type
MISC			
	ETC-2038	Timing cover	[333GB5123BM]

Mack Diesel PLN (1989-1997)	**E7 PLN; 12.0L** (Continued)	6 Cylinder Bore 4.875 Stroke 6.500	
	FMT-4993	Motor mount	Front upper (CH) [20QL329]
	FMT-4992	Motor mount	Front lower (CH) [20QL322]
	FSC-0377	Bolt motor mount	27AM38; M16 x 2 x 130mm
	FNU-0402	Nut motor mount	191AM6; Locking
1	EFW-3843	Flywheel	530GB3170M; Assembly, Emtric; Includes ERC-3842 gear
1	EFW-3997	Flywheel	530GB3145BM; Assembly, for 15-1/2 inch Spicer clutch; Includes ERC-3990 gear
1	ERG-3842	Gear starter ring	673GB35; 117 teeth
1	ERG-3990	Gear starter ring	673GB222; 118 teeth
1	EBG-8639	Bearing clutch pilot	46AX534, Sealed
	ESC-0379	Bolt flywheel	2AM56
	36AM1X	Washer flywheel	36AM1X
1	EGK-3841-001	Gasket cover	590GB2146; Timing inspection cover

Mack **E7 E-Tech; 12.0L** Diesel E-Tech (1998-2002) EUP (Electronic Unit Pump)	6 Cylinder Bore 4.875 Stroke 6.500	

ENGINE KITS			
1	MACK-E7-IF-219-E	Inframe kit	2-pc piston, 16.5:1 CR, 215SB219E cylinder kit, 215SB231A piston kit [215SB304C, 215SB304B]
1998-2001 (Pre-CCRS)			
1	MACK-E7-IF-3119	Inframe kit	2-pc piston, 17.4:1 CR, 57GC3119 cylinder kit, 509GC463 liner, 57GC2196 piston kit [85132403]
2002 EPA, CCRS: EM7-275, EM7-300, E7-300, E7-310/330, E7-330/350, E7-355/380, E7-350, E7-400 (liner stand up height 0.023"–0.029")			
1	MACK-E7-IF-3127	Inframe kit	2-pc piston, 17.4:1 CR, 57GC3127 cylinder kit, 509GC475 liner, 57GC2196 piston kit
2002 EPA, CCRS: E7-380/410, E7-427, E7-460P, E7-460E (liner stand up height 0.024"–0.029")			
1	MACK-E7-RR-11	Rering inframe kit	Pistonless; Includes rings, cylinder liners, rod and main bearings, upper gasket set, head gasket sets
1	MACK-E7-RR-12	Rering inframe kit	Crownless; Includes skirt, pin, retainers, rings, cylinder liners, rod and main bearings, upper gasket set, head gasket sets
CYLINDER KIT			
6	215SB219E-EP	Cylinder kit	16.5:1 CR, 2-pc piston, current sleeve [215SB219E; 215SB231A piston kit, 353GC2133 ring set, 509GC463 liner]
1998-2001 (Pre-CCRS)			
6	57GC3119-EP	Cylinder kit	17.4:1 CR, 2-pc piston [57GC3119, 215SB354; 57GC2196 piston kit, 240GC5124 crown, 509GC463 liner]
2002 EPA, CCRS: EM7-275, EM7-300, E7-300, E7-310/330, E7-330/350, E7-355/380, E7-350, E7-400 (liner stand up height 0.023"–0.029")			
6	57GC3127-F	Cylinder kit	17.4:1 CR, 2-pc piston [57GC3127; 57GC2196 piston kit, 240GC5124 crown, 509GC475liner]
2002 EPA, CCRS: E7-380/410, E7-427, E7-460P, E7-460E (liner stand up height 0.024"–0.029") [can use 215SB354 and shims to achieve lower end stand-up height]			
6	215SB231A-EP	Piston kit	16.5:1 CR, 2-pc piston, Straight sided bowl; Includes: crown (240GC598, 240GC5122), skirt, pin, retainers [215SB231A, 57GC2153; 240GC2250 crown/skirt]
6	57GC2196-EP	Piston kit	17.4:1 CR, 2-pc piston, Includes: crown (240GC5124), skirt, pin, retainers [57GC2196; 240GC2258 crown/skirt]
6	353GC2137-EP	Ring set	For 2-pc piston, 3 ring grooves, plasma [353GC2137, 353GC2142, 353GC2136]
6	353GC2133-EP	Ring set	For 2-pc piston, 3 ring grooves, plasma [353GC2133]
6	182GC2223-EP	Piston pin	[182GC2223]
12	97AX127-EP	Retainer piston pin	[97AX127]
6	509GC465-EP	Cylinder liner	Replaced by 509GC463; Flat style fire ring, with crevice seal groove, Use with 57GC2115A head gasket / fire rings [509GC465]
6	509GC463-EP	Cylinder liner	Flat style fire ring, without crevice seal groove (Current), Use with 57GC2115A head gasket / fire rings [509GC463; replaces 509GC466, 509GC465; 509GC450, 509GC454, 509GC459]
6	509GC475-F	Cylinder liner	Flat style fire ring, Stand-up height 0.024"-0.029" [509GC475]
509GC463 can be substituted as long as the minimum 0.024" stand-up height is achieved (use of shims is allowed)			
6	447GC235-EP	Cylinder liner oring	447GC235; Crevice seal
6	446GC1241-EP	Cylinder liner oring	446GC1241; Oring, lower
	505GC26P2-EP	Shim liner	0.002" thick [505GC26P2]
	505GC26P4-EP	Shim liner	0.004" thick [505GC26P4]

	505GC26P10-EP	Shim liner	0.010" thick [505GC26P10]
	505GC26P20-EP	Shim liner	0.020" thick [505GC26P20]

BEARINGS

1	57GC387-EP	Bearing main set	Std, includes thrust washers [57GC387]
1	57GC387P10-EP	Bearing main set	0.010, includes thrust washers [57GC387AP10]
1	57GC387P20-EP	Bearing main set	0.020, includes thrust washers [57GC387AP20]
1	57GC387P30-EP	Bearing main set	0.030, includes thrust washers [57GC387AP30]
1	57GC2144-EP	Thrust washer set	Std, includes upper and lower [57GC2144]
1	57GC2144P2-EP	Thrust washer set	0.002, includes upper and lower [57GC2144P2]
6	62GB2396A-EP	Bearing rod pair	Std [62GB2396A]
6	62GB2396P10-EP	Bearing rod pair	0.010 [62GB2396P10, 62GB2396AP10]
6	62GB2396P20-EP	Bearing rod pair	0.020 [62GB2396P20, 62GB2396AP20]
6	62GB2396P30-EP	Bearing rod pair	0.030 [62GB2396P30, 62GB2396AP30]
6	187GB29-EP	Bushing con rod	[187GB29]
1	59GB37KIT-EP	Cam bearing kit	Includes: (7) 59GB37 bearings, (1) 702GC315 thrust
7	59GB37-EP	Cam bearing	[59GB37]
1	57GC2128-EP	Auxiliary bearing kit	Includes: (2) 61GB33 bearings (1)702GC248B thrust (2) 271AM5007 washer (2) 10AM5002 screw [57GC2128]
2	61GB33-EP	Bearing auxillary	Front, with aluminum timing cover [61GB33]
1	702GC248B-EP	Thrust plate	Thrust [702GC248B]
2	10AM5002-EP	Bolt	M8-1.25 x 20mm [10AM5002]

GASKET & SEALS

1	57GC2178A-EP	Set cylinder head	Without head gaskets [57GC2178A, 215SB334A]
1	126SB191-EP	Set conversion	Less crankshaft seals [126SB191]
2	57GC2176-EP	Gasket cylinder head	Includes head gasket 553GB51, (3) 553GB224 fire rings [57GC2176]
2	554GB115-EP	Gasket valve cover	Silicone Rubber, 4VH (use with 41GC212 isolator) [554GB115]
2	554GB321-EP	Gasket valve cover	Silicone, joined ends (use with 41GC225 isolators) [554GB321]
12	41GC225-EP	Isolator	Black color [41GC225]
1	JB13411	Gasket engine brake	Includes 2 gaskets [Jacobs 13411, 1013411; Mack 4559-13411]
1	579GB41C-EP	Gasket oil pan	Single piece [579GB41C]
1	579GB412A-EP	Gasket oil pan	Segmented, Silicone printed seal [579GB412A]
1	579GB41E-EP	Gasket oil pan	Silicone printed seal [579GB41E]
1	579GB41ET-EP	Gasket oil pan	1/16 thick [579GB41E]
1	579GB422-KIT	Set oil pan	Includes: 579GB422 gasket, (30) 41GC212 islolators
1	579GB422-EP	Gasket oil pan	Rubber [579GB422]
30	41GC212-EP	Isolator oil pan	Used with 579GB422 pan gasket [41GC212]
1	56AX548-EP	Oring timing cover	For aluminum timing cover: Injection pump timing cover to Timing gear cover [56AX548]
1	446GC310P2-EP	Seal crankshaft front	Teflon, 4.00-inch OD [446GC310P2, 446GC310P12; 5609]

1	446GC316-EP	Seal crankshaft front	Neoprene, 4.00-inch OD (May be used with 1458-99325 wear ring) [446GC316; 415563N]
1	449GC32-EP	Seal crankshaft front	Contains: 446GC316 seal with retainer; use with aluminum timing cover [449GC32]
1	1458-99325-EP	Sleeve crank seal	Front, wear ring [1458-99325; NAT 99325]
1	446GC238B-EP	Seal crankshaft rear	Neoprene, use without wear ring [446GC238B;L2297V]
1	446GC235A-EP	Seal crankshaft rear	Neoprene, must be used with 532GC220B wear ring [446GC235A; 336665H]
1	57GC186A-EP	Seal crankshaft rear	Kit, seal with wear sleeve; 446GC235A seal, 532GC220B wear sleeve [57GC186A; 5645]
1	446GC310P10-EP	Seal crankshaft rear	Teflon [446GC310P10]
1	513GC28A-EP	Ring installation	Use with seals: 446GC310P10, 446GC238B [513GC28A]
CAMSHAFT			
1	ECK-9009	Camshaft kit	Kit with steel roller tappets; Includes: 454GC5227C camshaft, cam installation kit [57GC2190E]
1	ECK-9059	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5227C camshaft, cam installation kit [57GC2211]
1	ECM-8999	Camshaft	[454GC5227C]
Pre-CCRS			
1	ECK-9078	Camshaft kit	Kit with steel roller tappets; Includes: 454GC5236A camshaft, cam installation kit [57GC2209A]
1	ECK-9149	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5236A camshaft, cam installation kit [57GC2212]
1	ECM-8789	Camshaft	[454GC5236A]
CCRS			
1	891933	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5234A camshaft, cam installation kit [57GC2249]
1	891913	Camshaft	[454GC5234A]
CCRS			
1	ECK-9009-100	Cam installation kit	Includes steel roller tappets; EUP tappets, holddown screws, orings; Cam thrust, rocker arm and yolk nuts, front crankshaft seal
1	ECK-9059-100	Cam installation kit	Includes ceramic roller tappets; EUP tappets, holddown screws, orings; Cam thrust, Pushrods spring loaded, exh vlv rckr arm adj screws, rckr arm and yolk nuts,front crank seal
1	805010	Gear camshaft	[668GB411]
1	EKY-3185	Key camshaft	Straight [43AX9]
1	54GC29	Key camshaft	Offset [54GC29]
1	ETB-8697	Cam thrust bearing	702GC315
2	41AM1-EP	Screw camshaft	Cam thrust, M8-1.25 x 20 [41AM1]
2	271AM5007-EP	Washer camshaft	For cam and auxillary thrust capscrew and [271AM5007]
12	ERT-8563	Tappet	Roller, pump [72GC266]
12	ERT-8559	Tappet	Roller, valve, ceramic [72GC372A, 72GC372]
12	ERT-8562	Tappet	Roller, valve, steel [72GC373A]
12	EPR-3442	Pushrod	[369GC417]
12	EPR-3393	Pushrod	Spring-Loaded [369GC336A]

	AUX		
1	EAS-8766	Auxiliary shaft assy	With 17 teeth oil pump gear; Shaft 453GC430AM, hub 597GC210 , oil pump drive gear 683GB327, tube, nut [453GC431AM, 453GC431M]
1	EAS-8762	Auxiliary shaft	[453GC430AM]
1	ENU-0408	Nut auxiliary shaft	142GC1103M; Use with EAS-8734 shaft
1	EHB-4137	Hub compressor drive	597GC210
1	DTB-0484	Oil tube	670GC276
VALVE TRAIN			
2	732GB381M-EP	Cylinder head	Bare [732GB381M]
2	22-E7-3485MX	Cylinder head	Remanufactured complete, E-Tech [Cast: 732GB3491AM, 732GB3485M]
	E7HEAD3	NOTE	Upper (tip end) rotators no longer available: the head will require conversion to the lower rotator system
Conversion: 722GC321 tip end retainer, 722GC313A lower rotator (used with 575GC36 spring)			
12	690GC410-EP	Valve intake	3/8 stem, 1.694 head dia, 7.056 OAL, 20 degree, 1 groove, Marked "J" [690GC410, 690GC425]
12	688GC344-EP	Valve exhaust	3/8 stem, 1.573 head dia, 6.992 OAL, 30 degree, 2 groove, Marked "EX" [688GC344]
24	714GB222P2-EP	Valve guide	3/8 valve stem, Pre-reamed, 3.155 OAL, use with 446GC328 seal [714GB222P2]
Early; can replace with late guide AND late seal together (also use 711GC258 spring seat washer if tip rotators are installed)			
	714GB222-EP	Valve guide	3/8 valve stem, Semi-finished, use with 446GC328 seal
24	714GB3113A-EP	Valve guide	3/8 valve stem, with ridges for seal, Pre-finished; use with 446GC332 seal (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [714GB3113A]
Late			
	714GB3113P2-EP	Valve guide	3/8 valve stem, ridges for seal, Semi-finished, 3.113 OAL;use with 446GC332 seal (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [714GB3113P2]
24	446GC328-EP	Valve stem seal	For 3/8 valve stem, use with 714GB222P2 or 714GB222 guide [446GC328; replaces 446GC296]
24	446GC332-EP	Valve stem seal	For 3/8 valve stem, use with 714GB3113P2 or 714GB3113A guide (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [446GC332]
24	575GC36-EP	Valve spring	Single spring, or Outer for dual spring [575GC36; can replace 575GC35]
Heavy valve spring, use with heavy bottom rotator 722GC313A (used with tip rotator 722GC314)			
12	575GC1115-EP	Valve spring	Inner for dual spring (early upper rotator system) [575GC1115]
Exhaust: with Mack PowerLeash engine brake; use with bottom rotator 722GC320			
24	722GC321-EP	Retainer valve	For 3/8 valve stem, tip end, single or dual spring [722GC321; replaces 722GC311 was for single spring only]
Used when lower rotater is used			
24	722GC313A-EP	Rotator	Lower, heat treated steel, blue color [722GC313A; replaces 722GC314 tip rotator]
Used with intake and exhaust spring 57GC36			
12	722GC320-EP	Rotator	For dual valve spring [722GC320]
Exhaust: with Mack PowerLeash engine brake; use with dual valve spring 575GC1115			
24	711GC258-EP	Washer valve spring	Valve spring seat [711GC258]
Used only when tip rotators are installed; DO NOT use with bottom rotators			
48	54GC25-EP	Valve lock	For 3/8 valve stem [54GC25]
12	13GC316-EP	Valve seat	Intake, Std [13GC316]
	13GC316P15-EP	Valve seat	Intake, 0.015 [13GC316P15]
12	13GC317-EP	Valve seat	13GC317; Exhaust
	13GC317P15-EP	Valve seat	13GC317P15; Exhaust, 0.015

Mack E7 E-Tech; 12.0L Diesel (Continued) E-Tech (1998-2002) EUP (Electronic Unit Pump)	6 Cylinder Bore 4.875 Stroke 6.500

6	12GC411-EP	Injector sleeve	With fuel leak off return hole [12GC411]
Pre-CCRS; can be used on CCRS (EPA 2002) cylinder heads			
6	12GC412-EP	Injector sleeve	Does not have fuel leak off return hole [12GC412]
CCRS (EPA 2002)			
	GCP-3484	Plug	79AX57X; Core type, 7/8 diameter
20	400GC39M2-EP	Bolt cylinder head	M16-2 x 198mm (7-51/64 inch) [400GC39M2, 400GC39M]
20	400GC39M4-EP	Bolt cylinder head	M16-2 x 225mm (8-55/64 inch) [400GC39M4, 400GC39M3]
	EWA-1780	Washer cylinder head	711GC1100P9; 1-1/8 OD
	EWA-1783	Washer cylinder head	711GC1100P14; 1.00 OD
4	EPP-3576	Plug	Cylinder head, Pipe (3/4in NPT) [9409949]
8	ECP-3486	Plug	79AX68Z; Core, 1-1/16in dia
4	ECP-3485	Plug	79AX63; Core, 13/16in dia
4	EPP-3572	Plug	49AX242, 49AX179; Pipe, 1/16in-27 NPT
6	EPN-2777	Pin valve yoke	183GC25
CRANKSHAFT			
1	ECR-2089	Crankshaft	Kit, includes 456GC2156M crankshaft assembly, main and rod bearings, flywheels bolts and washers [57GC2145]
1	ECR-2088	Crankshaft	Assembly, includes crankshaft and 183GC238 flywheel alignment pin [456GC2156M, 456GC5140M]
1	670GB245M	Gear crankshaft	670GB245M
1	EKY-2641	Key	42AX620; Crankshaft gear
1	EHB-8568	Damper harmonic	13.5-inch [404GB498C, 404GB492, 404GB498A]
1	EHB-8569	Damper harmonic	12.0-inch [404GB499B, 404BG493, 404GB499A]
1	EPN-5105	Pin flywheel alignment	183GC238
6	ESC-1611	Bolt flywheel	M16-1.5 x 40mm [419GC29M]
6	EWA-0393	Washer flywheel bolt	16mm ID x 28mm OD x 3mm thick [271AM5008]
6	ESC-1581	Bolt flywheel	M16-1.5 x 40mm, Bolt with captive washer [419GC31M]
6	ESC-0332	Bolt flywheel	M16-1.5 x 60mm [419GC222M]
CONNECTING ROD			
6	367GC4267M2-EP	Connecting rod	New style with alignment sleeves; uses bolts with 14mm thread [367GC4267M2, 367GC4267M; replaces 367GC4255M; 367GC4243M2X]
12	396GC211M-EP	Bolt connecting rod	M14-1.5 x 76mm (M16 head) Used with new style rods 367GC4267M, 367GC4267M2 [396GC211M]
12	183GC251-EP	Sleeve cap alignment	Used with new style rods 367GC4267M, 367GC4267M2 and bolt 396GC211M only [183GC251]
OIL / LUBE SYSTEM			
1	801132	Oil pump kit	Contains pump 315GC472M, tube 497GB440, oring 56AX470, screws (2) 421GC266M3 [315GC470AM]
1	EOP-3336	Oil pump	[315GC472M; 315GC466M]
1	EOT-3333	Tube oil pickup	[497GB440, 497GB415P1]
1	ETS-3334	Screen oil pickup	[388GC243M, 388GC231A]
1	56AX470-EP	Oring	Oil pump pickup inlet [56AX470]
1	EGE-2578	Gear oil pump	Drive, 17 teeth [683GB327; replaces 683GB320]
1	EGE-2579	Gear oil pump	Driven, 13 teeth [683GB328]
1	EGE-8927	Gear oil pump	Driveshaft, One-piece shaft and gear assembly [463GC317M]

	OIL CLR 01	NOTE	Tube type oil cooler
1	ECC-8604	Oil cooler	Core, includes installation gaskets (tube-type cooler) [57GC270, 316GB35P2]
1	OCS-E6E7-EP	Set oil cooler	Includes: Gaskets 549GB28AP4, (2) 549GB28AP1, 56AX392, Orings 446GC225A, 446GC1161, 446GC1160
1	EGS-3900-065	Gasket oil cooler	Cooler core to housing [549GB28AP4]
1	ESE-8962	Oring oil cooler	Cooler core, water outlet end [446GC225A]
2	EGS-3900-015	Gasket oil cooler	Cooler housing to water inlet and outlet housings [549GB28AP1]
1	EGA-0472	Oring oil cooler	Inlet to housing [446GC1161]
1	EGA-0471	Oring oil cooler	Manifold to inlet [446GC1160]
1	ECH-8596	Housing water inlet	Long tube [493GB454]
1	ECH-8573	Housing water outlet	[493GB57M]
1	EOT-8599	Tube oil inlet	[237GC2110A]
1	EOM-8598	Manifold oil cooler	Kit, Includes Plug 49AX234Z [497GB56, 497GB40P1]
	OIL CLR 02	NOTE	Plate type oil cooler
Left-Side Redesign engines (LSR)			
1	ECC-8594	Oil cooler	Plate type, hose connection-style at outlet to water pump [312GB575M; replaces 312GB569M]
replaces early 312GB569M oring connection-style			
1	ECK-8566	Oil cooler	Kit; Includes 312GB575M cooler, cooler installation gasket set, 670GC533 water pump inlet tube, 744GB252 hose, clamps
CH models			
1	ECK-8567	Oil cooler	Kit; Includes 312GB575M cooler, cooler installation gasket set, 670GC534 water pump inlet tube, 744GB252 hose, clamps
CX and RD models (mid-mount water pump)			
1	EGK-8594-300	Set oil cooler	Includes gaskets 590GB345, 56AX392, orings (2) 745-246083
1	EGK-3394	Gasket oil cooler	Mounting, oil filter mounting adapter-to-cylinder block [590GB345]
2	LGA-2925	Oring oil cooler	Mounting, oil cooler-to-oil filter mounting bracket [745-246083]

FUEL / INJECTOR

NOTE: Always match proper injector, model year data is for general reference only			
6	736GB415MR-P	Injector	Remanufactured [736GB415MX, 736GB415M; 0432-191-320; replaces 736GB49BM4, 0432-193-529; 736GB48M4, 0432-193-672]
1988-2000: E7/EM7 275-400			
6	736GB337P7R-P	Injector reman	Remanufactured [736GB337P7X, 736GB337P7; 0-432-191-757, tip 0-433-171-173]
1998: E7-427			
6	736GB415M2R-P	Injector	Remanufactured [736GB415M2X, 736GB415M2; 0432-191-319; replaces 736GB49BM3, 0432-193-528; 736GB48M3, 0432-193-671]
1988: E7-460; 1999-2000: E7/EM7 427-460			
6	736GB420MR-P	Injector	Remanufactured [736GB420MX, 736GB420M; 0432-191-283; replaces 736GB410M, 0432-193-539]
2001: CCRS 275-427			
6	736GB420M3R-P	Injector	Remanufactured [736GB420M3X, 736GB420M3; 0432-191-284; replaces 736GB410M3, 0432-193-540]
2001: CCRS 460P, 460E			
6	209SB18-EP	Injector oring kit	Contains one each: 446GC1225, 446GC2125, 590GB2166 [209SB18]
6	446GC1225-EP	Seal injector	Top [446GC1225]

6	446GC2125-EP	Oring injector	Upper nozzle holder [446GC2125]
CCRS 'Leakless' injectors have no groove on body for this oring			
6	590GB2166-EP	Seal injector	Lower, copper [590GB1338]
6	0986-445-004-H	Injector unit pump	Remanufactured [313GC5227MX, 0986-445-004; New 0-414-755-003]
Pre-CCRS			
6	0986-445-008-H	Injector unit pump	Remanufactured [313GC5230MX, 0986-445-008; New 0414-755-006, 935-0414755006]
CCRS			
6	ESC-0338	Screw	EUP hold down screw [421GC2123M]
6	EKT-8561	Oring kit	EUP Electronic Unit Pump; Includes orings 446GC2129M upper, 446GC2131M lower [8609-EHL243, DGK132]
6	EKT-8561A	Oring kit	EUP Electronic Unit Pump, includes orings 446GC2129M upper, 3-pc Delta seal lower [1899-071356, 1899-071356]
Optional, used for those instances where a fuel leak path into the crankcase cannot be identified.			
6	EKT-8561-002	Oring unit pump	Upper, EUP (thin) [446GC2129M]
6	EKT-8561-001	Oring unit pump	Lower, EUP (thick) [446GC2131M]
6	F00HN37759-H	Seal kit EUP	Solenoid repair kit for leak between stator and body [935-F00HN37759]
1	ESP-3583	Fuel supply pump	[322GC45, 044020036]
1	EPP-3757	Pump primer	318GC28P2; For hand primer pump [2447222025]
COOLING SYSTEM			
1	EWP-3367	Water pump	Water pump only; less rear housing and pulley, Short shaft (6.30 length), separate shaft and bearing style, with breather [316GC284A]
1	EWP-3369	Water pump	Water pump only; less rear housing and pulley, Long shaft (7.25 length), separate shaft and bearing style, with breather [316GC285B]
1	EWP-3186	Water pump	Water pump only; less rear housing and pulley [316GC289A]
1	801135	Water pump	Water pump only; less rear housing and pulley, Short shaft (6.30 length), integral shaft and bearing type [316GC3194]
1	801137	Water pump	Water pump only; less rear housing and pulley, Long shaft (7.25 length), integral shaft and bearing type [316GC3195]
1	WP1237-PR	Water pump	Remanufactured, less rear housing, with pulley: 6-5/8" diameter, mutligroove [316GC551MX; pulley 302GC476M]
1	WP1236-PR	Water pump	Remanufactured, less rear housing, with pulley: 5-1/2" diameter, mutligroove [316GC551M2X; pulley 302GC475M]
1	EWP-8678	Pulley	Cast, 3 belt [302GC3200M]
1	EBT-8683	Tensioner belt	87GB41A
1	215SB165P1-EP	Thermostat	Kit, 155 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P1, 215SB165AP55]
1	215SB165P2-EP	Thermostat	Kit, 170 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P2, 215SB165AP70]
1	215SB165BP3-EP	Thermostat	Kit, 180 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165BP3, 215SB165AP80]
1	215SB165P4-EP	Thermostat	Kit, 185F deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P4]
1	590GB1334-EP	Gasket thermostat	Single thermostat [590GB1334]
1	447GC216A-EP	Seal thermostat	[447GC216A]
1	57GC182-EP	Set water pump	57GC182; Includes: EGK-3852, EGK-3847, EGK-3846

1	EGK-3826	Gasket pump to hsg	610GB233; Steel shim, Foamette
1	EGK-3852	Gasket pump to hsg	610GB216; Pump to housing
1	EGK-3847	Gasket water pump	Inlet [56AX392]
1	EGK-3846	Gasket water pump	56AX107, 56AX567; Housing to block
1	EPK-3857	Water pump kit	57GC2123A; for rebuilding EWP-3367 pump
1	EPK-3858	Water pump kit	57GC2124A; for rebuilding EWP-3369 pump
1	EBG-3860	Bearing front	46AX497; For 2 belt pulley, double row, 2.047 OD
1	EBG-3870	Bearing rear	46AX451
1	ERW-0745	Impeller	379GC38; Stamped
1	ESR-3372	Seal water pump	447GC224A; Use with ERW-0745 impeller
1	ESL-3851	Slinger	518GC11
1	ERS-8480	Oring	446GC1108; Shaft front
1	ESR-2831	Retaining ring	325GC120; Shaft front
1	ESH-3884	Shaft water pump	Use with 316GC284A pump, short shaft [469GC253M]
1	ESH-3883	Shaft water pump	Use with 316GC285B pump, long shaft [469GC254M]
1	ENU-0405	Nut lock	153AM1
1	ENU-0407	Nut	171AM5006; use with ESH-3883 shaft
1	EWA-0392	Washer hardened	271AM5; use with ESH-3883 shaft
1	ETS-0721	Spacer shaft	550GC22P1
1	EPH-8578	Housing water pump	771GB4106M; Pump to block, Includes drain valve
1	EPH-8579	Housing water pump	771GB535M, 771GB4107M; Pump to block
1	EPH-8574	Housing water pump	771GB530AM, 771GB530M; Pump to block
1	ECW-3379	Housing water pump	360GB251AM, 360GB52M; Pump housing
7	ESC-0380	Bolt water pump	421GC279M; Pump to housing, M8-1.25 x 16
1	EBF-6441	Breather	541KB23
1	EPP-3574	Plug	49AX233; Pipe 3/8 inch
1	EWO-3302	Manifold water outlet	107GC4121; Front
1	EWO-3309	Manifold water outlet	107GC552A; Rear
1	EGS-3890-029	Gasket water manifold	557GB118
1	ECH-8705	Hose water manifold	160AX561, 160AX5133P4
2	ECL-1953	Clamp hose	83AX452, 63AX790
1	FSU-0557	Sensor	64MT2103; Water temperature

TURBO / AIR

1	EIH-2004	Hose turbo inlet	76mm ID x 102mm length [45MD361M]
1	EIH-2001	Hose turbo inlet	76mm ID x 140mm length [45MD361M3]
1	EIH-2002	Hose turbo inlet	76mm ID x 152mm length [45MD361M4]
1	EIH-2005	Hose turbo inlet	76mm ID x 190mm length [45MD361M5]
1	EIH-2003	Hose turbo inlet	102mm ID x 152mm length [45MD363M3]
1	EIH-2007	Hose turbo inlet	102mm ID x 197mm length [45MD363M4]
1	EIH-2008	Hose turbo inlet	90mm ID x 262mm length [45MD417M2]
2	EEX-2055	Manifold exhaust	Kit, Front and Rear, Low Boss; Includes: (1) 104GC5164M manifold, (4) 142GC236M nuts, (4) 616GC245M3 studs

2	EEX-1823	Manifold exhaust	Kit, Center, Low Boss; Includes: (1) 104GC5165M3 manifold, (4) 142GC236M nuts, (4) 616GC245M3 studs
2	EEX-1763	Manifold exhaust	Kit, Center, Low Boss, angled turbo mounting; Includes: (1) 104GC5163AM2 manifold, (4) 142GC236M nuts, (4) 616GC245M3 studs
2	EEX-2054	Manifold exhaust	Front and Rear, Low Boss (3/4 thick flange, no raised bosses) [104GC5164M]
1	EEX-1848	Manifold exhaust	Center, Low Boss [104GC5165M3, 104GC5165M]
1	EEX-1764	Manifold exhaust	Center, Low Boss, angled turbo mounting [104GC5163AM2]
1	590GB1189A-EP	Gasket turbo mounting	Single port [590GB1189A; 132040]
1	831014	Gasket turbo mounting	Single port, Double gasket [590GB49]
1	3316-409038-EP	Gasket turbo mounting	Dual port [3316-409038]
1	EKT-0306	Kit turbo mounting	Hardware kit, includes: (4) 616GC228M studs, (4) 271AM5009 washers, (4) 142GC247M nuts; M10 studs and nuts [370SB24]
4	EST-0417	Stud turbo mount	616GC228M; M10-1.50 x M10-1.25 x 65mm
4	EWA-0337	Washer turbo mount	0.430 ID, 0.790 OD, 0.080 thick (1mm ID x 20mm OD x 2mm thick) [271AM5009]
4	ENU-0406	Nut turbo mount	M10 x 1.25, locking [142GC247M; replaces 171AM10]
1	831016	Kit manifold mounting	Exhaust manifold, contains: (12) 616GC245M3 studs, (12) 142GC236M nuts, (6) 573GB257A gaskets [215SB310]
6	EGK-3934	Gasket manifold exhaus	2-bolt [573GB257A]
12	EST-0421	Stud manifold exhaust	M12-1.75 x M12-1.75 x 60mm length [616GC245M3; replaces 616GC230M3]
12	ENU-0411	Nut manifold exhaust	M12-1.75, flanged, locking, copper plate [142GC236M]
NOTE: Left-Side Redesign engines utilize a one-piece intake manifold			
1	EMK-1967	Kit manifold intake	Includes: 105GC249, 105GC4222B, 744GB37P3, (2) 83AX698
1	EMA-1969	Manifold intake	Front, with top air connection [105GC4222B]
1	805070	Manifold intake	Front, with front air connection [105GC5190M]
2	EGS-3890-010	Gasket manifold intake	One piece [590GB312B]
12	ESC-0372	Bolt manifold intake	41AM4; M10-1.5 x 30
12	GWA-0063	Washer turbo mount	0.453 ID, 0.812 OD, 0.065 thick [35AX1542]
4	EPP-3573	Plug intake manifold	49AX230, 49AX251
1	EIH-1984	Hose	Front to rear manifold connection 3-1/2 ID x 2-1/2 length [744GB37P3, 744GB216P4]
1	EIH-1987	Hose	Intlet, 3 ID x 6 length [45MD29B]
1	EIH-1988	Hose	Inlet, Silicone, 3-3/4 ID x 3-5/8 length [744GB310P2]
1	EIH-1991	Hose	Inlet, 3-1/2 ID x 5-15/16 length [45MD342M]
1	EIH-1992	Hose	Inlet, 3-1/2 ID x 4-3/4 length [45MD342M2]
1	EIH-1993	Hose	Inlet, 4 ID x 7-1/8 length [45MD414M3]
3	ECL-1955	Clamp hose	[83AX698, 83AX454]
BLOCK			
6	115GC316-EP	Piston cooling nozzle	115GC316; Current, for 2-pc piston
6	52AX47-EP	Oring piston nozzle	52AX47; 52AX44
	EPN-2765	Pin	31AX268; Cylinder head locating
1	EGK-3844	Gasket breather	590GB2167
14	ESC-2097	Bolt main bearing	409GC37M; M16-2 x 154mm
6	ESC-2102	Bolt	421GC265M; Main bearing buttress, M12-1.25 x 80mm
2	ESC-2103	Bolt	421GC265M2; Main bearing buttress, M12-1.25 x 110mm
4	ECP-3487	Plug	79AX67; 1-3/8 inch, core type

Mack	**E7 E-Tech; 12.0L**	6 Cylinder
Diesel	(Continued)	Bore 4.875
E-Tech (1998-2002) EUP (Electronic Unit Pump)		Stroke 6.500

1	GKP-3488	Plug	79AX59, 1/2 inch, core type
1	FPP-3577	Plug	49AX244, 1/4 inch
9	ECP-8660	Plug	79AX66Z, 1-3/4 inch, core type
1	ECP-3499	Plug	Cup plug, 4.00 inch diameter [277GC32]

MISC

	ETC-2039	Timing cover	[333GB5131BM]

Mack **E7 ASET; 12.0L** Diesel ASET (2002-2006) EGR: AI (internal), AC (external)	6 Cylinder Bore 4.875 Stroke 6.500	

ASET AI (IEGR - Internal) vocational type operations, on/off highway operations, concrete mixing and delivery

ASET AC (CEGR - External) line haul operations

ENGINE KITS

1	MACK-E7-IF-3125	Inframe kit	2-pc piston, 57GC3125 cylinder kit, 509GC463 liner, 57GC2215 piston kit
AI (IEGR)			
1	MACK-E7-IF-3126	Inframe kit	2-pc piston, 57GC3126 cylinder kit, 509GC463 liner, 57GC2216 piston kit
AI (IEGR)			
1	MACK-E7-IF-3128	Inframe kit	2-pc piston, 57GC3128 cylinder kit, 509GC463 liner, 57GC2217 piston kit
AI (IEGR)			
1	MACK-E7-IF-3121	Inframe kit	2-pc piston, 57GC3121 cylinder kit, 509GC463 liner, 57GC2204 piston kit
AC (CEGR)			
1	MACK-E7-IF-3124	Inframe kit	2-pc piston, 57GC3124 cylinder kit, 509GC475 liner, 57GC2204 piston kit
AC (CEGR)			

CYLINDER KIT

6	57GC3125-EP	Cylinder kit	2-pc piston [57GC3125; 57GC2215 piston kit, 353GC2133 ring set, 509GC463 liner]
AI (IEGR)			
6	57GC3126-EP	Cylinder kit	16.3:1 CR, 2-pc piston [57GC3126; 57GC2216 piston kit, 353GC2133 ring set, 509GC463 liner]
AI (IEGR)			
6	57GC3128-EP	Cylinder kit	16.5:1 CR, 2-pc piston [57GC3128, 215SB355; 57GC2217 piston kit, 353GC2133 ring set, 509GC463 liner]
AI (IEGR)			
6	57GC3121-EP	Cylinder kit	16.3:1 CR, 2-pc piston [57GC3121; 57GC2204 piston kit, 353GC2133 ring set, 509GC463 liner]
AC (CEGR)			
6	57GC3124-F	Cylinder kit	15.5:1 CR, 2-pc piston [57GC3124; 57GC2204 piston kit, 353GC2152 ring set, 509GC475 liner]
AC (CEGR)			
6	57GC2215-EP	Piston kit	2-pc piston, Includes: crown (240GC5126M), skirt, pin, retainers [57GC2215; 240GC2261 crown/skirt]
6	57GC2216-EP	Piston kit	2-pc piston, Includes: crown (240GC5127M), skirt, pin, retainers [57GC2216; 240GC2262 crown/skirt]
6	57GC2217-EP	Piston kit	2-pc piston, Includes: crown (240GC5128M), skirt, pin, retainers [57GC2217; 240GC2263 crown/skirt]
6	57GC2204-EP	Piston kit	2-pc piston, Includes: crown (240GC5125M), skirt, pin, retainers [57GC2204; 240GC2259 crown/skirt]
6	353GC2137-EP	Ring set	For 2-pc piston, 3 ring grooves, plasma [353GC2137, 353GC2142, 353GC2136]
6	353GC2133-EP	Ring set	For 2-pc piston, 3 ring grooves, plasma [353GC2133]
6	182GC2223-EP	Piston pin	[182GC2223]
12	97AX127-EP	Retainer piston pin	[97AX127]
6	509GC465-EP	Cylinder liner	Replaced by 509GC463; Flat style fire ring, with crevice seal groove, Use with 57GC2115A head gasket / fire rings [509GC465]
6	509GC463-EP	Cylinder liner	Flat style fire ring, without crevice seal groove (Current), Use with 57GC2115A head gasket / fire rings [509GC463; replaces 509GC466, 509GC465; 509GC450, 509GC454, 509GC459]

6	509GC475-F	Cylinder liner	Flat style fire ring, Stand-up height 0.024"-0.029" [509GC475]
509GC463 can be substituted as long as the minimum 0.024" stand-up height is achieved (use of shims is allowed)			
6	447GC235-EP	Cylinder liner oring	447GC235; Crevice seal
6	446GC1241-EP	Cylinder liner oring	446GC1241; Oring, lower
	505GC26P2-EP	Shim liner	0.002" thick [505GC26P2]
	505GC26P4-EP	Shim liner	0.004" thick [505GC26P4]
	505GC26P10-EP	Shim liner	0.010" thick [505GC26P10]
	505GC26P20-EP	Shim liner	0.020" thick [505GC26P20]
BEARINGS			
1	57GC387-EP	Bearing main set	Std, includes thrust washers [57GC387]
1	57GC387P10-EP	Bearing main set	0.010, includes thrust washers [57GC387AP10]
1	57GC387P20-EP	Bearing main set	0.020, includes thrust washers [57GC387AP20]
1	57GC387P30-EP	Bearing main set	0.030, includes thrust washers [57GC387AP30]
1	57GC2144-EP	Thrust washer set	Std, includes upper and lower [57GC2144]
1	57GC2144P2-EP	Thrust washer set	0.002, includes upper and lower [57GC2144P2]
6	62GB2396A-EP	Bearing rod pair	Std [62GB2396A]
6	62GB2396P10-EP	Bearing rod pair	0.010 [62GB2396P10, 62GB2396AP10]
6	62GB2396P20-EP	Bearing rod pair	0.020 [62GB2396P20, 62GB2396AP20]
6	62GB2396P30-EP	Bearing rod pair	0.030 [62GB2396P30, 62GB2396AP30]
6	187GB29-EP	Bushing con rod	[187GB29]
1	59GB37KIT-EP	Cam bearing kit	Includes: (7) 59GB37 bearings, (1) 702GC315 thrust
7	59GB37-EP	Cam bearing	[59GB37]
1	57GC2128-EP	Auxiliary bearing kit	Includes: (2) 61GB33 bearings (1)702GC248B thrust (2) 271AM5007 washer (2) 10AM5002 screw [57GC2128]
2	61GB33-EP	Bearing auxillary	Front, with aluminum timing cover [61GB33]
1	702GC248B-EP	Thrust plate	Thrust [702GC248B]
2	10AM5002-EP	Bolt	M8-1.25 x 20mm [10AM5002]
GASKET & SEALS			
1	215SB337A-EP	Set cylinder head	Less head gaskets; Includes EGR gaskets [215SB337A, 57GC2241]
1	126SB191-EP	Set conversion	Less crankshaft seals [126SB191]
To 12/16/2003			
1	57GC3133A-EP	Set conversion	Less crankshaft seals [57GC3133A, 21089679]
12/17/2003 and Up			
2	57GC2176-EP	Gasket cylinder head	Includes head gasket 553GB51, (3) 553GB224 fire rings [57GC2176]
2	554GB115-EP	Gasket valve cover	Silicone Rubber, 4VH (use with 41GC212 isolator) [554GB115]
2	554GB321-EP	Gasket valve cover	Silicone, joined ends (use with 41GC225 isolators) [554GB321]
12	41GC225-EP	Isolator	Black color [41GC225]
1	JB13411	Gasket engine brake	Includes 2 gaskets [Jacobs 13411, 1013411; Mack 4559-13411]
1	579GB422-KIT	Set oil pan	Includes: 579GB422 gasket, (30) 41GC212 islolators
1	579GB422-EP	Gasket oil pan	Rubber [579GB422]

30	41GC212-EP	Isolator oil pan	Used with 579GB422 pan gasket [41GC212]
1	446GC310P2-EP	Seal crankshaft front	Teflon, 4.00-inch OD [446GC310P2, 446GC310P12; 5609]
1	57GC186A-EP	Seal crankshaft rear	Kit, seal with wear sleeve; 446GC235A seal, 532GC220B wear sleeve [57GC186A; 5645]
1	57GC371-EP	Seal crankshaft rear	Kit, seal with wear sleeve; 446GC259 seal, 532GC220B wear sleeve [57GC371]
1	446GC259-EP	Seal crankshaft rear	Teflon, must use with wear ring 532GC220B [446GC259]
1	532GC220B-EP	Sleeve crank seal	Wear sleeve, 6.000 ID, 6.125 OD, 0.750 width [532GC220B; J2051]
CAMSHAFT			
1	891934	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5242A camshaft, cam installation kit [57GC2227A]
1	891917	Camshaft	[454GC5242A]
ASET AI			
1	891931	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5238 camshaft, cam installation kit [57GC2228A]
1	891915	Camshaft	[454GC5238]
ASET AI			
1	ECK-9078	Camshaft kit	Kit with steel roller tappets; Includes: 454GC5236A camshaft, cam installation kit [57GC2209A]
1	ECK-9149	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5236A camshaft, cam installation kit [57GC2212]
1	ECM-8789	Camshaft	[454GC5236A]
ASET AC			
1	891930	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5243 camshaft, cam installation kit [57GC2225A]
1	891918	Camshaft	[454GC5243]
ASET AC			
1	57GC2226A	Camshaft kit	Contains camshaft 454GC5244, (2) ceramic roller tappets, (6) EUP hold-down bolts [57GC2226A]
ASET AC			
1	57GC2242	Camshaft kit	Contains camshaft 454GC5246, (2) ceramic roller tappets, (6) EUP hold-down bolts [57GC2242]
ASET AC			
	891932	Camshaft kit	Kit with ceramic roller tappets; Includes: 454GC5247 camshaft, cam installation kit [57GC2243]
1	891920	Camshaft	[454GC5247]
ASET AC			
1	ECK-9009-100	Cam installation kit	Includes steel roller tappets; EUP tappets, holddown screws, orings; Cam thrust, rocker arm and yolk nuts, front crankshaft seal
1	ECK-9059-100	Cam installation kit	Includes ceramic roller tappets; EUP tappets, holddown screws, orings; Cam thrust, Pushrods spring loaded, exh vlv rckr arm adj screws, rckr arm and yolk nuts,front crank seal

1	805010	Gear camshaft	[668GB411]
1	EKY-3185	Key camshaft	Straight [43AX9]
1	ETB-8697	Cam thrust bearing	702GC315
2	41AM1-EP	Screw camshaft	Cam thrust, M8-1.25 x 20 [41AM1]
2	271AM5007-EP	Washer camshaft	For cam and auxillary thrust capscrew and [271AM5007]
12	ERT-8563	Tappet	Roller, pump [72GC266]
12	ERT-8559	Tappet	Roller, valve, ceramic [72GC372A, 72GC372]
12	ERT-8562	Tappet	Roller, valve, steel [72GC373A]
6	EPR-3442	Pushrod	[369GC417]
Intake: all; Exhaust: except engines that are equipped with camshafts having the engine brake profile on the exhaust lobe			
6	EPR-3393	Pushrod	Spring-Loaded [369GC336A]
Exhaust: engines that are equipped with camshafts having the engine brake profile on the exhaust lobe			
	AUX		
1	EAS-8766	Auxiliary shaft assy	With 17 teeth oil pump gear; Shaft 453GC430AM, hub 597GC210 , oil pump drive gear 683GB327, tube, nut [453GC431AM, 453GC431M]
1	EAS-8762	Auxiliary shaft	[453GC430AM]
1	ENU-0408	Nut auxiliary shaft	142GC1103M; Use with EAS-8734 shaft
1	EHB-4137	Hub compressor drive	597GC210
1	DTB-0484	Oil tube	670GC276
VALVE TRAIN			
2	732GB5389M2-EP	Cylinder head	Bare [732GB5389M2]
2	732GB3501M2-EP	Cylinder head	Complete assembly with valves [732GB3501M2, 732GB3509M2]
	E7HEAD3	NOTE	Upper (tip end) rotators no longer available: the head will require conversion to the lower rotator system
Conversion: 722GC321 tip end retainer and appropriate lower rotator (used with 575GC36 spring)			
12	690GC410-EP	Valve intake	3/8 stem, 1.694 head dia, 7.056 OAL, 20 degree, 1 groove, Marked "J" [690GC410, 690GC425]
12	688GC344-EP	Valve exhaust	3/8 stem, 1.573 head dia, 6.992 OAL, 30 degree, 2 groove, Marked "EX" [688GC344]
24	E7HEAD5	NOTE	Early valve guide: Tapered OD near top, and seal which is top hat style; No longer available
Must be updated to 714GB3113P2 guide, 446GC332 seal (if using tip rotators, also 711GC258 spring seat washer)			
24	714GB3113A-EP	Valve guide	3/8 valve stem, with ridges for seal, Pre-finished; use with 446GC332 seal (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [714GB3113A]
Late; Start esn 2J2355 (24-May-2002)			
	714GB3113P2-EP	Valve guide	3/8 valve stem, ridges for seal, Semi-finished, 3.113 OAL;use with 446GC332 seal (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [714GB3113P2]
24	446GC332-EP	Valve stem seal	For 3/8 valve stem, use with 714GB3113P2 or 714GB3113A guide (seal and guide seal area are 1/8-in, 6.35mm, smaller dia than early guide/seal) [446GC332]
Late; Start esn 2J2355 (24-May-2002)			
24	575GC36-EP	Valve spring	Single spring, or Outer for dual spring [575GC36; can replace 575GC35]
Intake: Single; Exhaust: Dual outer; use with heavy bottom rotator 722GC313A (used with tip rotator 722GC314)			
12	575GC1115-EP	Valve spring	Inner for dual spring (early upper rotator system) [575GC1115]
Exhaust: Dual inner; use with bottom rotator 722GC320 (used with tip rotator 722GC315)			

24	722GC321-EP	Retainer valve	For 3/8 valve stem, tip end, single or dual spring [722GC321; replaces 722GC311 was for single spring only]
Used when lower rotater is used			
12	722GC313A-EP	Rotator	Lower, heat treated steel, blue color [722GC313A; replaces 722GC314 tip rotator]
Intake single spring 57GC36			
12	722GC320-EP	Rotator	For dual valve spring [722GC320]
Exhaust dual valve spring 575GC1115			
24	711GC258-EP	Washer valve spring	Valve spring seat [711GC258]
Used only when tip rotators are installed; DO NOT use with bottom rotators			
48	54GC25-EP	Valve lock	For 3/8 valve stem [54GC25]
12	13GC316-EP	Valve seat	Intake, Std [13GC316]
	13GC316P15-EP	Valve seat	Intake, 0.015 [13GC316P15]
12	13GC317-EP	Valve seat	13GC317; Exhaust
	13GC317P15-EP	Valve seat	13GC317P15; Exhaust, 0.015
6	12GC412-EP	Injector sleeve	Does not have fuel leak off return hole [12GC412]
20	400GC39M2-EP	Bolt cylinder head	M16-2 x 198mm (7-51/64 inch) [400GC39M2, 400GC39M]
20	400GC39M4-EP	Bolt cylinder head	M16-2 x 225mm (8-55/64 inch) [400GC39M4, 400GC39M3]
	EWA-1780	Washer cylinder head	711GC1100P9; 1-1/8 OD
	EWA-1783	Washer cylinder head	711GC1100P14; 1.00 OD
4	EPP-3576	Plug	Cylinder head, Pipe (3/4in NPT) [9409949]
8	ECP-3486	Plug	79AX68Z; Core, 1-1/16in dia
10	ECP-3485	Plug	79AX63; Core, 13/16in dia
6	EPN-2777	Pin valve yoke	183GC25
OIL / LUBE SYSTEM			
1	801132	Oil pump kit	Contains pump 315GC472M, tube 497GB440, oring 56AX470, screws (2) 421GC266M3 [315GC470AM]
1	EOP-3336	Oil pump	[315GC472M; 315GC466M]
1	EOT-3333	Tube oil pickup	[497GB440, 497GB415P1]
1	ETS-3334	Screen oil pickup	[388GC243M, 388GC231A]
1	56AX470-EP	Oring	Oil pump pickup inlet [56AX470]
1	EGE-2578	Gear oil pump	Drive, 17 teeth [683GB327; replaces 683GB320]
1	EGE-2579	Gear oil pump	Driven, 13 teeth [683GB328]
1	EGE-8927	Gear oil pump	Driveshaft, One-piece shaft and gear assembly [463GC317M]
1	ECC-8594	Oil cooler	Plate type, hose connection-style at outlet to water pump [312GB575M; replaces 312GB569M]
1	ECK-8566	Oil cooler	Kit; Includes 312GB575M cooler, cooler installation gasket set, 670GC533 water pump inlet tube, 744GB252 hose, clamps
CH models			
1	ECK-8567	Oil cooler	Kit; Includes 312GB575M cooler, cooler installation gasket set, 670GC534 water pump inlet tube, 744GB252 hose, clamps
CX and RD models (mid-mount water pump)			
1	EGK-8594-300	Set oil cooler	Includes gaskets 590GB345, 56AX392, orings (2) 745-246083
1	EGK-3394	Gasket oil cooler	Mounting, oil filter mounting adapter-to-cylinder block [590GB345]
2	LGA-2925	Oring oil cooler	Mounting, oil cooler-to-oil filter mounting bracket [745-246083]

FUEL / INJECTOR

6	736GB411MR-P	Injector	Remanufactured [736GB411MX, 736GB411M; 0432-193-515, nozzle 5359]
2002-03: AC-310/330, 330/350, 355/380, 350			
6	736GB411M2R-P	Injector	Remanufactured [736GB411M2X, 736GB411M2; 0432-193-516, nozzle 5358]
2002-03: AC-380/410, 400, 427; 2002: AC-460E, AC-460P			
6	736GB418M2R-P	Injector	Remanufactured [736GB418M2X, 736GB418M2; 0432-193-493, nozzle 5359]
2002-03: AC-460E, AC-460P: after 12/02			
6	736GB421MR-P	Injector	Remanufactured [736GB421MX, 736GB421M; 0432-191-274, nozzle 1892]
2004-05: AC-310/330, 330/350, 355/380, 350			
6	736GB421M2R-P	Injector	Remanufactured [736GB421M2X, 736GB421M2; 0432-191-273, nozzle 1893]
2004-05: AC-380/410, 400, 427			
6	736GB421M3R-P	Injector	Remanufactured [736GB421M3X, 736GB421M3; 0432-191-272, nozzle 1894]
2004-05: AC-460E, AC-460P			
6	736GB412MR-P	Injector	Remanufactured [736GB412MX, 736GB412M; 0432-193-505, nozzle 5374]
2002: AI-300A / AMI-300: prior to 10/1/02			
6	736GB412M2R-P	Injector	Remanufactured [736GB412M2X, 736GB412M2; 0432-193-506, nozzle 5316]
2002: AI-350, AI-400: prior to 10/1/02			
6	736GB412M3R-P	Injector	Remanufactured [736GB412M3X, 736GB412M3; 0432-193-507, nozzle 5375]
2002: AI-427, AI-460: prior to 10/1/02			
6	736GB414MR-P	Injector	Remanufactured [736GB414MX, 736GB414M; 0432-193-502, nozzle 5383]
2002-03: AI-300A / AMI-300: after 10/1/02			
6	736GB414M2R-P	Injector	Remanufactured [736GB414M2X, 736GB414M2; 0432-193-503, nozzle 5384]
2002-03: AMI-335, AMI-370; AI-350, AI-400: after 10/1/02			
6	736GB414M3R-P	Injector	Remanufactured [736GB414M3X, 736GB414M3; 0432-193-504, nozzle 5385]
2002-03: AI-427, AI-460: after 10/1/02			
6	736GB419MR-P	Injector	Remanufactured [736GB419MX, 736GB419M; 0432-191-289, nozzle 1866]
2004-05: AI-300A, AMI-300			
6	736GB419M2R-P	Injector	Remanufactured [736GB419M2X, 736GB419M2; 0432-191-290, nozzle 1867]
2004-05: AI-350, AI-375A, AI-400; AMI-335; 2004: AMI-370: July 23, 2003 thru May 17, 2004; 2005: AMI-370			
6	736GB419M3R-P	Injector	Remanufactured [736GB419M3X, 736GB419M3; 0432-191-291, nozzle 1868]
2004-05: AI-427, AI-460; 2004: AMI-370: May 18, 2004 and later			
6	209SB18-EP	Injector oring kit	Contains one each: 446GC1225, 446GC2125, 590GB2166 [209SB18]
6	446GC1225-EP	Seal injector	Top [446GC1225]
6	446GC2125-EP	Oring injector	Upper nozzle holder [446GC2125]
ASET 'Leakless' injectors have no groove on body for this oring			
6	590GB2166-EP	Seal injector	Lower, copper [590GB1338]
6	0986-445-008-H	Injector unit pump	Remanufactured [313GC5230MX, 0986-445-008; New 0414-755-006, 935-0414755006]
ASET AI			
6	0986-445-011-H	Injector unit pump	Remanufactured [313GC5233MX, 0986-445-011; New 0414-755-014, 0414-755-007, 935-0414755014]
ASET AC			
6	ESC-0338	Screw	EUP hold down screw [421GC2123M]
6	EKT-8561	Oring kit	EUP Electronic Unit Pump; Includes orings 446GC2129M upper, 446GC2131M lower [8609-EHL243, DGK132]

6	EKT-8561A	Oring kit	EUP Electronic Unit Pump, includes orings 446GC2129M upper, 3-pc Delta seal lower [1899-071356, 1899-071356]
Optional, used for those instances where a fuel leak path into the crankcase cannot be identified.			
6	EKT-8561-002	Oring unit pump	Upper, EUP (thin) [446GC2129M]
6	EKT-8561-001	Oring unit pump	Lower, EUP (thick) [446GC2131M]
6	F00HN37759-H	Seal kit EUP	Solenoid repair kit for leak between stator and body [935-F00HN37759]
1	322GC512M-EP	Fuel supply pump	[322GC512M]
1	EPP-3757	Pump primer	318GC28P2; For hand primer pump [2447222025]
COOLING SYSTEM			
1	EWP-3383	Water pump	Water pump only; less rear housing and pulley [316GC3194]
ASET AI prior to new front-redesign configuration			
1	EWP-3186	Water pump	Water pump only; less rear housing and pulley [316GC289A]
ASET AI prior to new front-redesign configuration			
1	EWP-3384	Water pump	Pump 316GC3194, with pulley 302GC4112M, with rear housing 771GB535M [316GC565M8]
1	EWP-3388	Water pump	Water pump cartridge, 5-1/4-inch pulley [316GC3193]
ASET AC; ASET AI with new front-redesign configuration			
1	EWP-3389	Water pump	Water pump cartridge, 5-7/8-inch pulley [316GC3196]
ASET AC; ASET AI with new front-redesign configuration			
1	EGA-2959	Oring water pump	Water pump cartridge to housing [446GC330]
1	EGA-3167	Oring	Water pump inlet flange [446GC2145]
1	EGA-3168	Oring	Water pump housing to block [446GC2144]
1	215SB165BP3-EP	Thermostat	Kit, 180 deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165BP3, 215SB165AP80]
1	215SB165P4-EP	Thermostat	Kit, 185F deg; Includes: 447GC216A seal, 590GB1334 gasket [215SB165P4]
1	215SB169A-EP	Thermostat	Kit, Dual 180F and 185F degree; Includes: 657GC324BP80 and 657GC324BP80 thermostats, 447GC216A seals [215SB169A]
ASET AC: All; ASET AI/AMI: with new front-redesign configuration			
	447GC216A-EP	Seal thermostat	[447GC216A]
Single and Dual			
1	ECH-8711	Hose	Dual thermostat housing, upper thermostat bypass tube, elbow [744GB45B]
1	ECH-8753	Hose	Dual thermostat housing, lower thermostat bypass tube, Y-shaped [744GB46]
1	804091	Screen	Oil cooler inlet screen [387GC32]
TURBO / AIR			
1	590GB1189A-EP	Gasket turbo mounting	Single port [590GB1189A; 132040]
ASET AI			
1	831014	Gasket turbo mounting	Single port, Double gasket [590GB49]
ASET AI			
1	831013	Gasket turbo mounting	Double gasket [590GB48]
ASET AC			
1	EKT-0306	Kit turbo mounting	Hardware kit, includes: (4) 616GC228M studs, (4) 271AM5009 washers, (4) 142GC247M nuts; M10 studs and nuts [370SB24]
ASET AI			
1	EKT-0302	Kit turbo mounting	Contains: (4) 616GC245M3 stud, (4) 142GC236M nut; M12 studs and nuts
ASET AC			
1	590GB2109A-EP	Gasket turbo drain	[590GB2109A, 590GB2150; 166193]

2	EEX-2056	Manifold exhaust	Front and Rear [104GC5203M]
ASET AI and AMI: All models			
1	EEX-1779	Manifold exhaust	Center [104GC5213M]
ASET AI and AMI: used in CV and CT models			
2	EEX-2054	Manifold exhaust	Front and Rear, Low Boss (3/4 thick flange, no raised bosses) [104GC5164M]
ASET AC			
1	805065	Manifold exhaust	Center [104GC5194AM]
ASET AC			
1	831016	Kit manifold mounting	Exhaust manifold, contains: (12) 616GC245M3 studs, (12) 142GC236M nuts, (6) 573GB257A gaskets [215SB310]
6	EGK-3934	Gasket manifold exhaus	2-bolt [573GB257A]
12	EST-0421	Stud manifold exhaust	M12-1.75 x M12-1.75 x 60mm length [616GC245M3; replaces 616GC230M3]
NOTE: ASET AC new replacement studs are different and utilize spacers			
12	ENU-0411	Nut manifold exhaust	M12-1.75, flanged, locking, copper plate [142GC236M]
2	EGS-3890-010	Gasket manifold intake	One piece [590GB312B]
ASET AC EGR components:			
1	841980	EGR Valve	[691GC514D, 691GC514C]
1	831012	Gasket EGR valve	EGR valve assembly to manifold [573GB323]
4	EST-0238	Stud EGR mount	[616GC228M3]
4	ENU-0406	Nut turbo mount	M10 x 1.25, locking [142GC247M; replaces 171AM10]
7	EWA-0337	Washer turbo mount	0.430 ID, 0.790 OD, 0.080 thick (1mm ID x 20mm OD x 2mm thick) [271AM5009]
3	EST-0239	Stud EGR	Spacer stud EGR tube upper mounting bracket [616GC278M]
3	FNU-0403	Nut	Hex flange, M10 x 1.5 x 21.8 height [191AM3]
1	841970	Heat exchanger EGR	[28GB519A, 28GB519]
2	831010	Seal ring	Seal, wire-mesh, hot-side EGR tube, 2.44-in ID (60.25mm) [449GC236M]
2	831011	Seal ring	Seal, wire-mesh, mass flow tube flange, 1.85-in ID (47.50mm) [449GC237M]