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# ENDURANCE

POWER PRODUCTS, INC.

Replacement Parts for

Mack<sup>®</sup> 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.**



## Mack® - Engines

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	728	12.0	E7	6	4.875 x 6.50	PLN or E-Tech



<b>Mack Diesel</b>	<b>E6; 11.0L</b>	6 Cylinder Bore 4.875 Stroke 6.000
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### 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	353GC241JP1; 4.875 Bore; Standard, (2)Key chrome, (1)Key ductile tapered face, (1)3/16 Oil narrow rail
6	EPR-1810A	Ring set	353GC241JP1; 4.875 Bore, Premium, (2)Key chrome, (1)Key ductile tapered face, (1)3/16 Oil narrow rail
6	EPR-1820	Ring set	353GC241SP1; 4.875 Bore, Premium, (2)Key chrome, (1)Key ductile tapered face, (1)3/16 Oil wide rail
6	EPR-1816	Ring set	353GC280B; 4.875 Bore, Longlife, (2)Key chrome plated lower side, (1)Key chrome tapered face, (1)3/16 Oil wide rail
6	EPR-1826	Ring set	353GC2139; 4.875 Bore, Plasma, (2)Key plasma, (1)Key chrome tapered face, (1)3/16 Oil wide rail
6	EPR-1840	Ring set	353GC240CP1; 4.875 Bore, (2)Key chrome, (1)Key ductile tapered face, (1)3/16 Oil wide rail
6	EPR-7951	Ring set	353GC253AP1; 4.875 Bore, (2)Key chrome, (1)Flat ductile tapered face, (1)3/16 Oil wide rail
6	EPR-8310	Ring set	353GC226P1; 4.875 Bore; 5-ring, (2)Key chrome, (1)Flat ductile tapered face, (2)3/16 Oil wide rail
6	EPR-8300	Ring set	353GC2121; 5.000 Bore, Standard, (2)Key chrome, (1)Flat ductile tapered face, (1)3/16 Oil wide rail
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

<b>Mack Diesel</b>	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
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
<b>BEARINGS</b>			
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	EBG-8331-STD	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	EBG-8020	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 Aluminum 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

<b>Mack Diesel</b>	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
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	ECB-8647	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	EAB-8669	Bearing auxillary	61GB33; Front, with aluminum timing cover
1	EAB-8670	Bearing auxillary	61GB14C; Front
<b>GASKET &amp; SEALS</b>			
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	EGK-3929	Gasket valve cover	554GB115; 4VH Silicone Rubber
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
	EGK-8401	Gasket oil pan	579GB41C
	EGK-8411	Gasket oil pan	579GB412A; Segmented, Silicone printed seal
	EGK-8412	Gasket oil pan	579GB41E, 579GB41D; Silicone printed seal
	EGK-8413	Gasket oil pan	579GB412B; 1/16 thick, Segmented
	EGK-8414	Gasket oil pan	579GB41E; 1/16 thick

<b>Mack Diesel</b>	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
EOS-8592	Seal crankshaft front	446GC181; Neoprene, 4.25 OD [411275R]	
ESA-8815	Seal crankshaft front	449GC32; Seal EM88200 with retainer; use with aluminum timing cover	
EOS-8820	Seal crankshaft front	446GC316; Neoprene, 4.00 OD, Current (May be used with ERG-3792 wear ring) [415563N]	
EKT-8821	Seal crankshaft front	446GC310P2; Teflon, 4.00 OD [5602]	
ERG-3792	Sleeve crank seal	1458-99325; Front, wear ring [99325]	
EKT-3800	Seal crankshaft rear	57GC186A; Kit, Seal & Wear Ring; Includes: Seal (1)ESE-7965 Wear Ring (1)ERG-3790 [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	
ESE-7965	Seal crankshaft rear	446GC235A; Neoprene, must be used with ERG-3790 wear ring [336665H]	
ESE-7960	Seal crankshaft rear	446GC238B; Neoprene, use without wear ring [L2297V]	
ESE-3340-STD	Seal crankshaft rear	446GC25P1; Lead, 0.125 thick	
ESE-3340-002	Seal crankshaft rear	446GC25P2; Lead, 0.156 thick	
ESE-7969	Seal crankshaft rear	446GC310P10; Teflon	
ERG-3790	Sleeve crank seal	532GC220B; Rear, wear ring [JJ2051]	
ERG-3791	Sleeve crank seal	532GC222A; Rear, wear ring, use with flanged crank [JV2088]	
<b>CAMSHAFT</b>			
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	

<b>Mack Diesel</b>	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
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**VALVE TRAIN**

<b>E6HEAD1</b>		<b>2 VALVE HEAD PARTS:</b>	
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, includes: 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]
	<b>E6HEAD2</b>	<b>4 VALVE HEAD PARTS:</b>	

<b>Mack Diesel</b>		<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
2	ECH-3318	Cylinder head	732GB3424; 4VH, Assembly, Includes ECH-3316 head, valves, locks, rotators, retainers, springs, seals	
2	ECH-3316	Cylinder head	732GB4484; 4VH, Bare, Includes: Seats, inj sleeves, guides, plugs	
12	EVA-8135	Valve intake	690GC2210; 3/8 stem, 1.694 head dia, 6.955 OAL, 30 degree	
12	EVA-8145	Valve exhaust	688GC2378; 3/8 stem, 1.573 head dia, 6.867 OAL, 30 degree	
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	EVG-2379	Valve guide	714GB222P2; 3/8 valve stem, Pre-reamed, use with EOS-0443 seal	
24	EVG-2386	Valve guide	3/8 valve stem, Semi-finished	
24	ESP-8165	Valve spring	575GC213; For single spring, 2.717 free length, 1.056 ID, 1.410 OD	
24	EVR-8355	Retainer valve	722GC321, 722GC311; For 3/8 valve stem, upper valve	
24	EVR-8326	Rotator	722GC235, 722GC223	
48	EVL-8205	Valve lock	54GC25; For 3/8 valve stem	
24	EGA-0441	Valve stem seal	446GC138B; Oring, for 7/16 valve stem	
24	EOS-0443	Valve stem seal	446GC328, 446GC296; For 3/8 valve stem, use with EVG-2379 guide	
12	EVS-2557-STD	Valve seat	13GC2251P1; Intake, Std	
	EVS-2557-015	Valve seat	13GC2251P15; Intake, 0.015	
	EVS-2557-031	Valve seat	13GC2251P31; Intake, 0.031	
	EVS-2557-047	Valve seat	13GC2251P47; Intake, 0.047	
	EVS-2557-062	Valve seat	13GC2251P62; Intake, 0.062	
12	EVS-2547-STD	Valve seat	13GC2264P1; Exhaust, Std	
	EVS-2547-015	Valve seat	13GC2264P15; Exhaust, 0.015	
	EVS-2547-031	Valve seat	13GC2264P31; Exhaust, 0.031	
	EVS-2547-047	Valve seat	13GC2264P47; Exhaust, 0.047	
	EVS-2547-062	Valve seat	13GC2264P62; Exhaust, 0.062	
6	EIS-8341	Injector sleeve	12GC212A; Standard	
	EIS-8341-020	Injector sleeve	12GC212AP20; 0.20in oversize	
14	ESC-1602	Bolt cylinder head	400GC33P4; 7-13/16 length	
6	ESC-1603	Bolt cylinder head	400GC33P5; 6-3/4 length	
	ESC-1604	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	
<b>CRANKSHAFT</b>				
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	

<b>Mack Diesel</b>		<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000
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
<b>CONNECTING ROD</b>			
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
<b>OIL / LUBE SYSTEM</b>			
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	EGA-2997	Oring	56AX470; Oil pump pickup inlet
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

<b>Mack Diesel</b>		<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000
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	57GC270, 316GB35P2; Core, Includes: Gasket (1)ECA-8605-001 (1)Core
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	ECA-8605-001	Set oil cooler	Includes: Gaskets (1)EGK-3847 (2)EGS-3900-015 (1)EGS-3900-065 O-Rings (1)EGA-0471 (4)EGA-0472 (1)ESE-8962
2	EGS-3900-015	Gasket oil cooler	549GB28AP1; Cooler housing to water inlet and outlet housings
1	ESE-8962	Oring oil cooler	446GC225A; Cooler core, water outlet end
1	EGS-3900-065	Gasket oil cooler	549GB28AP4; Cooler core to housing
1	ECH-8596	Water inlet housing	493GB454; Long tube
1	ECH-8601	Water inlet housing	493GB2222; Short tube
	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	446GC1161; Inlet to housing
1	EGA-0471	Oring oil cooler	446GC1160; Manifold to inlet
1	EOT-8599	Tube oil inlet	237GC2110A
1	EOM-8598	Manifold oil cooler	497GB56, 497GB40P1; Kit, Includes: Plug EPP-3575
	OEM	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-AA1193; 2 inch, flat
1	EFC-8553	Cap oil filler	222GB213; Current, 1-3/8

<b>Mack Diesel</b>		<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000
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
<b>FUEL / INJECTOR</b>			
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	EGS-3895-008	Injector seal	590GB1338; Lower, copper, 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	EGA-3859	Oring nozzle holder	446GC2125; Upper nozzle holder
6	EGA-3876	Oring nozzle holder	446GC1195; Upper nozzle holder
6	EGK-3866	Gasket nozzle holder	590GB1352; Upper nozzle holder
6	EGS-3895-007	Oring injector	56AX460; for 4VH
12	EGS-3895-009	Oring injector	446GC1208; for 4VH
<b>COOLING SYSTEM</b>			
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	EGK-3845	Set water pump	57GC182; Includes: EGK-3852, EGK-3847, EGK-3846

<b>Mack Diesel</b>		<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000
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	56AX392; Inlet
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	EAS-3295-155	Thermostat	215SB165P1, 215SB165AP55; Kit, 155 deg; Includes: EOS-3305, EGS-3890-012
1	EAS-3295-170	Thermostat	215SB165P2, 215SB165AP70; Kit, 170 deg; Includes: EOS-3305, EGS-3890-012
1	EAS-3295-180	Thermostat	215SB165BP3, 215SB165AP80; Kit, 180 deg; Includes: EOS-3305, EGS-3890-012
1	EGS-3890-012	Gasket thermostat	590GB1334
1	EOS-3305	Seal thermostat	447GC216A
<b>TURBO / AIR</b>			
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	EGK-2865	Gasket turbo mounting	3316-409038; Dual port
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	EGS-2862	Gasket turbo drain	590GB1296A; [132040]
1	EGS-2863	Gasket turbo drain	[148062]
1	EGK-3867	Gasket turbo drain	590GB2109A
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 connection	744GB37P3, 744GB216P4; 3-1/2 ID x 2-1/2 length
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	744GB310P2; Silicone, 3-3/4 ID x 3-5/8 length
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

<b>Mack Diesel</b>	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
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	104GC259M; Front / Rear, long mounting bosses	
EEX-2054	Manifold exhaust	104GC5164M; Front / Rear, short mounting bosses	
EGK-3937	Gasket manifold exhaust	573GB310; 4-bolt; ENDT676	
EGK-3938	Gasket manifold exhaust	573GB310A, 573GB260; 4 bolt holes, with steel band	
EGK-3934	Gasket manifold exhaust	573GB257A; 2-bolt	
ELK-1990	Lock manifold exhaust	87GC132; Use w/ EEX-1913 and EEX-1911 center exhaust manifolds	
ELK-1995	Lock manifold exhaust	87GC212; End, use with ENU-0410 nuts	
Use w/ EEX-1883 and EEX-1913 center exhaust manifolds			
ELK-1996	Lock manifold exhaust	87GC213; Center, use with ENU-0410 nuts	
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: EMA-1968, EMA-1969, EIH-1984, (2) ECL-1955	
Kit, retrofit stamped manifold to current cast intake			
EMA-1969	Manifold intake	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	590GB312B; One piece	
ESC-2198	Bolt manifold intake	6AX1427; 12 point, 7/16-14 x 1-1/4	
EWA-1772	Washer manifold intake	35AX1361U	
EIH-1984	Hose connection	744GB37P3, 744GB216P4; 3-1/2 ID x 2-1/2 length	
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	45MD29B; Intlet, 3 ID x 6 length	
EIH-1988	Hose	744GB310P2; Silicone, 3-3/4 ID x 3-5/8 length	
EIH-1991	Hose	45MD342M; Inlet, 3-1/2 ID x 5-15/16 length	
EIH-1992	Hose	45MD342M2; Inlet, 3-1/2 ID x 4-3/4 length	

<b>Mack Diesel</b>	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
EIH-1993	Hose	45MD414M3; Inlet, 4 ID x 7-1/8 length	
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	
<b>BLOCK</b>			
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
<b>MISC</b>			
	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
1	EGS-3903-004	Oring timing cover	56AX548; For aluminum timing cover
	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

<b>Mack</b> Diesel	<b>E6; 11.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.000	
<b>35AX1158</b>	<b>Washer insulator</b>		
<b>FMT-4992</b>	<b>Motor mount</b>	20QL322; Front lower (CH)	
<b>FMT-4993</b>	<b>Motor mount</b>	20QL329; Front upper (CH)	
<b>2 FSC-0377</b>	<b>Bolt motor mount</b>	27AM38; M16 x 2 x 130mm	
<b>FNU-0402</b>	<b>Nut motor mount</b>	191AM6; Locking	
<b>FMT-4649</b>	<b>Engine insulator</b>	20QL37P4; Front auxiliary transmission mount	
<b>1 EFW-3995</b>	<b>Flywheel</b>	530GB4380P2; Kit, for 14-inch Dana type clutch; Includes (6)BNU-0261, (1)EPN-5125, (6)CPN-9711	
<b>1 EFW-3996</b>	<b>Flywheel</b>	530GB3142; For 15-1/2 Dana type clutch	
<b>1 ERG-3990</b>	<b>Gear starter ring</b>	673GB222; 118 teeth	
<b>BNU-0261</b>	<b>Nut flywheel</b>	21AX814	
<b>EPN-5125</b>	<b>Locating pin</b>	31AX491	
<b>CPN-9711</b>	<b>Drive pin</b>	183GC191; Threaded	
<b>1 EFH-3998</b>	<b>Flywheel housing</b>	634GC5194A	
<b>EPN-5116-STD</b>	<b>Alignment pin</b>	183GC192P1; PIN,Alignment (STD)	
<b>EPN-5116-016</b>	<b>Alignment pin</b>	183GC192P2; PIN,Alignment (.016in Oversize)	
<b>EPN-5116-033</b>	<b>Alignment pin</b>	183GC192P3; PIN,Alignment (.033in Oversize)	
<b>EPN-5116-063</b>	<b>Alignment pin</b>	183GC192P4; PIN,Alignment (.063in Oversize)	
<b>1 EBG-8040</b>	<b>Pilot bearing</b>	46AX310 [305S3]	
<b>1 EBG-8630</b>	<b>Pilot bearing</b>	46AX471; Sealed with snap ring [306SLV]	
<b>1 EBG-8639</b>	<b>Bearing clutch pilot</b>	46AX534, Sealed	
<b>1 EBG-8760</b>	<b>Pilot bearing</b>	46AX313 [5304]	



<b>Mack</b> Diesel PLN, E-Tech	<b>E7; 12.0L</b>	6 Cylinder Bore 4.875 Stroke 6.500	
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### ENGINE KITS

1	ERK-8031-001	Inframe kit	PLN, Early upgrade from 1-pc piston to 2-pc piston with current sleeve, EPA-8087 piston
Also includes update piston cooling nozzles			
1	ERK-8033-001	Inframe kit	PLN, 2-pc piston 16.9:1 CR, current sleeve, EPA-8085 (215SB232A) piston
1	ERK-8034-001	Inframe kit	PLN, 2-pc piston, 15.3:1 CR, current sleeve, EPA-8086 (215SB230A) piston
1	ERK-8035-001	Inframe kit	PLN, 2-pc piston, 16.5:1 CR, current sleeve, EPA-8087 (215SB231A) piston
1	ERK-8037-001	Crownless inframe kit	PLN, without piston crown, current sleeve
1	ERK-8036-001	Inframe kit	E-Tech, 16.5:1 CR, EPA-8087 (215SB231A) piston
1	ERK-8039-001	Inframe kit	E-Tech, 16.9:1 CR, EPA-8088 (240GC2258M) piston
1	ERK-8045-001	Inframe kit	E-Tech, 16.5:1 CR, EPA-8092 (240GC2263M) piston
1	ERK-8038-001	Crownless inframe kit	E-Tech, without piston crown

### CYLINDER KIT

6	ELK-8895	Cylinder kit	215SB217D; 16.9:1 CR, 2-pc piston, early sleeve [EPA-8085, EPR-1817, ESL-8287]
6	ELK-8907	Cylinder kit	215SB220A; 16.9:1 CR, 2-pc piston, current sleeve [EPA-8085, EPR-1817, ESL-8288]
6	ELK-8897	Cylinder kit	215SB218D; 15.3:1 CR, 2-pc piston, current sleeve [EPA-8086, EPR-1817, ESL-8288]
6	ELK-8914	Cylinder kit	215SB219E; 16.5:1 CR, 2-pc piston, current sleeve [EPA-8087, EPR-1817, ESL-8288] can replace 1-pc piston in sets of 6 only
6	EPA-8085	Piston kit	215SB232A, 57GC2143; PLN: 16.9:1 CR, 2-pc piston; Includes: crown, skirt, pin, retainers
6	EPA-8086	Piston kit	215SB230A, 57GC2151; PLN: 15.2:1 CR, 2-pc piston; Includes: crown, skirt, pin, retainers
6	EPA-8087	Piston kit	215SB231A, 57GC2153A; PLN / E-Tech: 16.5:1 CR, 2-pc piston; Includes: crown, skirt, pin, retainers
can replace 1-pc piston in sets of 6 only			
6	EPA-8088	Piston kit	240GC2258M; E-Tech: 16.9:1 CR
6	EPA-8092	Piston kit	240GC2263M; E-Tech: 16.5:1 CR
6	EPR-1816	Ring set	353GC280B; 4.875 Bore, Longlife, (2)Key chrome plated lower side, (1)Key chrome tapered face, (1)3/16 Oil wide rail
6	EPR-1807	Ring set	353GC2137; For 2-pc piston, 3 ring grooves, plasma
6	EPR-1817	Ring set	353GC2133; For 2-pc piston, 3 ring grooves, plasma
6	EPN-8023	Piston pin	182GC2223
12	ERI-8024	Retainer piston pin	97AX127
6	ESL-8286	Cylinder liner	509GC465; Use with EGK-8429 gasket
6	ESL-8287	Cylinder liner	509GC450; Early, stepped fire ring seats, Use with EGK-8431 gasket
6	ESL-8288	Cylinder liner	509GC463; Current, full contact fire ring seats, Use with EGK-8429 gasket
6	EGA-8912	Cylinder liner oring	447GC235; Crevice seal
6	EGA-8913	Cylinder liner oring	446GC1241; Oring, lower

### BEARINGS

1	EMS-8572-STD	Bearing main set	57GC387; Std, includes thrust bearings EBK-2767-STD
1	EMS-8572-010	Bearing main set	57GC387AP10; 0.010, includes thrust bearings EBK-2767-STD
1	EMS-8572-020	Bearing main set	57GC387AP20; 0.020, includes thrust bearings EBK-2767-STD
1	EMS-8572-030	Bearing main set	57GC387AP30; 0.030, includes thrust bearings EBK-2767-STD
1	EBK-2767-STD	Bearing thrust pair	57GC2144; Std, includes upper and lower
1	EBK-2767-002	Bearing thrust pair	57GC2144P2; 0.002, includes upper and lower
6	EBR-8332-STD	Bearing rod pair	62GB2396A; Std
6	EBR-8332-010	Bearing rod pair	62GB2396AP10; 0.010
6	EBR-8332-020	Bearing rod pair	62GB2396AP20; 0.020
6	EBR-8332-030	Bearing rod pair	62GB2396AP30; 0.030

<b>Mack</b> Diesel PLN, E-Tech	<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500	
6	EBG-8027	Bushing con rod	187GB29
1	EBK-8657	Cam bearing kit	57GC2129; Includes: (5)ECB-8655 (2)ECB-8656 (1)ETB-8695 (2)EWA-0390(2)ESC-0371
5	ECB-8655	Cam bearing	59GB217
2	ECB-8656	Cam bearing	59GB218
7	ECB-8698	Cam bearing	59GB37; E-tech
1	EBK-8857	Auxiliary bearing kit	57GC2128; Includes: (2)EAB-8669 (1)ETB-8696 (2)EWA-0390 (2)ESC-0370
2	EAB-8669	Bearing auxillary	61GB33; Front, with aluminum timing cover
1	ETB-8696	Thrust plate	702GC248B; Thrust
2	ESC-0370	Bolt	10AM5002; M8-1.25 x 20mm
<b>GASKET &amp; SEALS</b>			
1	EGS-3896	Set cylinder head	57GC2118; PLN, without head gaskets
1	EGS-3889	Set cylinder head	57GC2118A; PLN, without head gaskets, includes valve seals
1	EGS-3856	Set cylinder head	57GC2178A; E-tech, without head gaskets
1	EGS-3903	Set conversion	57GC2119; PLN
1	EGS-3841	Set conversion	126SB191; E-Tech
2	EGK-8431	Gasket cylinder head	57GC2155, 553GB473; PLN, Early,stepped fire ring design, includes: Gsk (1)EGK-8419, Fire rings (3)EFR-8417
2	EGK-8429	Gasket cylinder head	57GC2115A, 553GB473; PLN, Current, flat fire ring design, includes: Gsk (1)EGK-8419, Fire rings (3)EFR-8416
2	EGK-8434	Gasket cylinder head	57GC2176, 553GB51; E-Tech, includes: Gsk (1)EGK-8433, Fire rings (3)EFR-8416
2	EGK-3929	Gasket valve cover	554GB115; 4VH Silicone Rubber
2	EGK-3426	Gasket valve cover	554GB321; Viton, joined ends
1	EGS-3809	Set engine brake	4559-13411; Includes 2 gaskets
1	EPK-8437	Set oil pan	Includes Gasket (1)EGK-8439, Isolators (30)EIS-8438
1	EGK-8401	Gasket oil pan	579GB41C
1	EGK-8414	Gasket oil pan	579GB41E; 1/16 thick
1	EGK-8439	Gasket oil pan	579GB422; Rubber
30	EIS-8438	Isolator oil pan	41GC212; (Used w/ EGK-8439 pan gasket)
1	EKT-8821	Seal crankshaft front	446GC310P2; Teflon, 4.00 OD [5602]
1	ESA-8815	Seal crankshaft front	449GC32; Seal EM88200 with retainer; use with aluminum timing cover
1	EOS-8820	Seal crankshaft front	446GC316; Neoprene, 4.00 OD, Current (May be used with ERG-3792 wear ring) [415563N]
1	ESA-8815	Seal crankshaft front	449GC32; Seal EM88200 with retainer; use with aluminum timing cover
1	ERG-3792	Sleeve crank seal	1458-99325; Front, wear ring [99325]
1	ESE-7960	Seal crankshaft rear	446GC238B; Neoprene, use without wear ring [L2297V]
1	ESE-7965	Seal crankshaft rear	446GC235A; Neoprene, must be used with ERG-3790 wear ring [336665H]
1	ESE-7969	Seal crankshaft rear	446GC310P10; Teflon
1	EKT-3800	Seal crankshaft rear	57GC186A; Kit, Seal & Wear Ring; Includes: Seal (1)ESE-7965 Wear Ring (1)ERG-3790 [5645]
1	ESE-7981	Seal crankshaft rear	57GC371; Kit, seal with wear ring
1	EIR-3759	Ring installation	513GC28A; Use w/ ESE-7969 Seal or ESE-7960 Seal
<b>CAMSHAFT</b>			
	CAME7P	NOTE	PLN Components:
1	ECM-9007	Camshaft	454GC5142A
12	EML-8582	Lifter	72GC347
12	EML-8583	Lifter	72GC357; Current, without oil hole
1	ETB-8695	Cam thrust bearing	702GC247A
2	EWA-0390	Washer camshaft	271AM5007

<b>Mack</b> Diesel PLN, E-Tech	<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500	
2	ESC-0371	Screw camshaft	41AM1; M8-1.25 x 20
1	EKY-3185	Key camshaft	43AX9
	CAME7E	NOTE	E-Tech Components:
1	ECK-9009	Camshaft	57GC2190E; Kit, Includes: cam, tappets, thrust bearing, unit pump orings
1	ETB-8697	Cam thrust bearing	702GC315
12	ERT-8563	Tappet	72GC266; roller, pump
12	ERT-8562	Tappet	72GC373A; roller, valve
	CAME7		
12	EPR-3533	Pushrod	369GC334; Non-Dynatard, Intake and exhaust
12	EPR-3534	Pushrod	369GC332A; Dynatard, Exhaust
12	EPR-3442	Pushrod	369GC417; E-tech, Intake and exhaust
	AUX		
1	EAS-8738	Auxiliary shaft assy	453GC379AM; With 17 teeth oil pump gear; Shaft, hub, gear EGE-2581, tube, nut
1	EAS-8739	Auxiliary shaft assy	453GC381M; ; With 18 teeth oil pump gear; Shaft, hub, gear EGE-2582, tube, nut
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
<b>VALVE TRAIN</b>			
2	ECH-3317	Cylinder head	732GB4482M; PLN, Bare
2	ECH-3319	Cylinder head	732GB3451M; PLN, Complete with valves
2	ECH-3322	Cylinder head	732GB381M;E-tech, Bare
2	ECH-3323	Cylinder head	732GB3491AM, 732GB3485M; E-tech, Complete with valves
	E7HEAD1	NOTE	PLN Cylinder head parts
12	EVA-8135	Valve intake	690GC2210; 3/8 stem, 1.694 head dia, 6.955 OAL, 30 degree
12	EVA-8137	Valve intake	690GC410; 3/8 stem, 1.694 head dia, 7.056 OAL, 20 degree, marked "J"
12	EVA-8145	Valve exhaust	688GC2378; 3/8 stem, 1.573 head dia, 6.867 OAL, 30 degree
12	EVA-8147	Valve exhaust	688GC344; 3/8 stem, 1.573 head dia, 6.992 OAL, 30 degree
24	EVG-2379	Valve guide	714GB222P2; 3/8 valve stem, Pre-reamed, use with EOS-0443 seal
24	EVG-2386	Valve guide	3/8 valve stem, Semi-finished
24	EVG-2398	Valve guide	714GB3113P2; 3/8 valve stem, Pre-reamed
24	ESP-8165	Valve spring	575GC213; For single spring, 2.717 free length, 1.056 ID, 1.410 OD
24	EVR-8355	Retainer valve	722GC321, 722GC311; For 3/8 valve stem, upper valve
24	EVR-8327	Rotator	722GC313A, 722GC314; Lower, Heavy duty
48	EVL-8205	Valve lock	54GC25; For 3/8 valve stem
24	EOS-0443	Valve stem seal	446GC328, 446GC296; For 3/8 valve stem, use with EVG-2379 guide
24	EOS-0444	Valve stem seal	446GC332, 722GC312; For 3/8 valve stem, use with EVG-2398 guide
12	EVS-2557-STD	Valve seat	13GC2251P1; Intake, Std
	EVS-2557-015	Valve seat	13GC2251P15; Intake, 0.015
	EVS-2557-031	Valve seat	13GC2251P31; Intake, 0.031
	EVS-2557-047	Valve seat	13GC2251P47; Intake, 0.047
	EVS-2557-062	Valve seat	13GC2251P62; Intake, 0.062
12	EVS-2547-STD	Valve seat	13GC2264P1; Exhaust, Std
	EVS-2547-015	Valve seat	13GC2264P15; Exhaust, 0.015
	EVS-2547-031	Valve seat	13GC2264P31; Exhaust, 0.031
	EVS-2547-047	Valve seat	13GC2264P47; Exhaust, 0.047
	EVS-2547-062	Valve seat	13GC2264P62; Exhaust, 0.062
6	EIS-8341	Injector sleeve	12GC212A; Standard
	EIS-8341-020	Injector sleeve	12GC212AP20; 0.20in oversize

<b>Mack</b> Diesel PLN, E-Tech	<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500	
<b>E7HEAD2</b>	<b>NOTE</b>	E-tech Cylinder head parts:	
<b>E7HEAD3</b>	<b>NOTE</b>	Upper rotators no longer available	
When replacing components of cylinder heads with existing upper rotators, the head will require conversion to the lower rotator system			
12	EVA-8137	Valve intake	690GC410; 3/8 stem, 1.694 head dia, 7.056 OAL, 20 degree, marked "J"
12	EVA-8147	Valve exhaust	688GC344; 3/8 stem, 1.573 head dia, 6.992 OAL, 30 degree
24	EVG-2398	Valve guide	714GB3113P2; 3/8 valve stem, Pre-reamed
	ESP-8161	Valve spring	575GC36; Single spring, or Outer for dual spring
	ESP-8152	Valve spring	575GC1115; Inner for dual spring (early upper rotator system)
	ESP-8165	Valve spring	575GC213; For single spring, 2.717 free length, 1.056 ID, 1.410 OD
24	EVR-8355	Retainer valve	722GC321, 722GC311; For 3/8 valve stem, upper valve
24	EVR-8327	Rotator	722GC313A, 722GC314; Lower, Heavy duty
24	EVR-8328	Rotator	722GC320; For dual valve spring
48	EVL-8205	Valve lock	54GC25; For 3/8 valve stem
24	EOS-0444	Valve stem seal	446GC332, 722GC312; For 3/8 valve stem, use with EVG-2398 guide
12	EVS-2558-STD	Valve seat	13GC316; Intake
	EVS-2558-015	Valve seat	13GC316P15; Intake, 0.015
12	EVS-2548-STD	Valve seat	13GC317; Exhaust
	EVS-2548-015	Valve seat	13GC317P15; Exhaust, 0.015
6	EIS-8339	Injector sleeve	12GC411
	GCP-3484	Plug	79AX57X; Core type, 7/8 diameter
	EWA-8155	Washer spring seal	711GC258
<b>E7HEAD4</b>	<b>NOTE</b>	PLN and E-Tech cylinder heads:	
	ESC-1605	Bolt cylinder head	400GC39M2; M16-2 x 198
	ESC-1606	Bolt cylinder head	400GC39M4; M16-2 x 225
	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
<b>CRANKSHAFT</b>			
1	ECR-2089	Crankshaft	57GC2145; Kit, includes main and rod bearings, flywheels bolts and washers
1	ECR-2088	Crankshaft	456GC2156M, 456GC5140M; Assembly, includes pin EPN-5015
1	670GB245M	Gear crankshaft	670GB245M
1	EKY-2641	Key	42AX620; Crankshaft gear
1	EHB-8568	Damper harmonic	404GB498C, 404GB492, 404GB498A
1	EHB-8569	Damper harmonic	404GB499B, 404BG493, 404GB499A
1	EPN-5105	Pin flywheel alignment	183GC238
<b>CONNECTING ROD</b>			
12	ESC-2093	Bolt connecting rod	396GC24M; M16-1.5 x 76mm
12	ESC-2094	Bolt connecting rod	396GC211M; M14-1.5 x 76mm
12	ESL-2081	Sleeve cap alignment	183GC251; Used with ESC-2094 bolt only
<b>OIL / LUBE SYSTEM</b>			
1	EOP-3331	Oil pump	315GC459BM3; PLN, 12 teeth, uses EGE-2591 drive gear
For 315GC459M2 Pump Assembly relocate EPR-3357 to opposite port for front sump application			
1	EOP-3332	Oil pump	315GC460M; PLN, 13 teeth, uses EGE-2589 drive gear
For 315GC460M2 Pump Assembly relocate EPR-3357 to opposite port for front sump			
1	EOP-3336	Oil pump	315GC466M; E-Tech
1	EOT-3333	Tube oil pickup	497GB440, 497GB415P1
1	ETS-3334	Screen oil pickup	388GC243M, 388GC231A

<b>Mack Diesel</b>		<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500
1	EGA-2997	Oring	56AX470; Oil pump pickup inlet
1	EGE-2581	Gear oil pump	683GB318; PLN: Drive, 17 teeth, use with EGE-2589 driven gear
1	EGE-2582	Gear oil pump	683GB319; PLN: Drive, 18 teeth, use with EGE-2591 driven gear
1	683GB320	Gear oil pump	683GB320; E-Tech: Drive, 17 teeth
1	EGE-2589	Gear oil pump	683GB287; PLN: Driven, 13 teeth, use with EGE-2581 drive gear
1	EGE-2591	Gear oil pump	683GB330, 683GB284; PLN: Driven, 12 teeth, use with EGE-2582 drive gear
1	EGE-2579	Gear oil pump	683GB328; E-Tech: Driven, 13 teeth
1	ECC-8604	Oil cooler	57GC270, 316GB35P2; Core, Includes: Gasket (1)ECA-8605-001 (1)Core
1	ECC-8594	Oil cooler	312GB575M; ASET
1	EGS-3900-065	Gasket oil cooler	549GB28AP4; Cooler core to housing
1	ESE-8962	Oring oil cooler	446GC225A; Cooler core, water outlet end
2	EGS-3900-015	Gasket oil cooler	549GB28AP1; Cooler housing to water inlet and outlet housings
1	ECA-8605-001	Set oil cooler	Includes: Gaskets (1)EGK-3847 (2)EGS-3900-015 (1)EGS-3900-065 O-Rings (1)EGA-0471 (4)EGA-0472 (1)ESE-8962
1	EGA-0472	Oring oil cooler	446GC1161; Inlet to housing
1	EGA-0471	Oring oil cooler	446GC1160; Manifold to inlet
1	ECH-8596	Water inlet housing	493GB454; Long tube
1	ECH-8573	Housing water outlet	493GB57M
1	EOT-8599	Tube oil inlet	237GC2110A
1	EOM-8598	Manifold oil cooler	497GB56, 497GB40P1; Kit, Includes: Plug EPP-3575
<b>FUEL / INJECTOR</b>			
6	EGA-3877	Seal injector	446GC1225
6	EGA-3859	Oring nozzle holder	446GC2125; Upper nozzle holder
6	EGS-3895-008	Injector seal	590GB1338; Lower, copper, 4VH
1	ESP-3509	Fuel supply pump	314GC227P5; Includes fitting EFF-4138, nut ENU-4139 [0440008086]
1	ESP-3503	Fuel supply pump	935-0440008120; With hand primer; Includes fitting EFF-4138, nut ENU-4139 [0440008120]
1	ESP-3583	Fuel supply pump	322GC45; E-tech [044020036]
1	EFF-4138	Fitting elbow	63AX3667; For PLN pump, 1/4in Pipe x 3/8in Tube [2443380004]
1	ENU-4139	Nut sealing	For PLN pump pump [2443315000]
1	EPP-3757	Pump primer	318GC28P2; For hand primer pump [2447222025]
1	EHB-8539	Hub injection pump	791GB329M; Injection Pump Driven Gear
1	EGS-3903-003	Oring pump mount	935-2410210014; For Robert Bosch pump
6	EKT-8561	Oring kit	8609-EHL243; E-tech unit pump; Includes (1) EKT-8561-001, (1) EKT-8561-002 [DGK132]
6	EKT-8561A	Oring kit	1899-071356; E-tech unit pump, includes Delta seal
6	EKT-8561-001	Oring unit pump	Lower, E-Tech Unit pump
6	EKT-8561-002	Oring unit pump	Upper, E-Tech Unit pump
<b>COOLING SYSTEM</b>			
1	EWP-3367	Water pump	316GC284A, 316GC548AM
1	EWP-3369	Water pump	316GC285B
1	EWP-3383	Water pump	316GC3194; ASET
1	EWP-8678	Pulley	302GC3200M; Cast, 3 belt
1	EBT-8683	Tensioner belt	87GB41A
1	EAS-3295-155	Thermostat	215SB165P1, 215SB165AP55; Kit, 155 deg; Includes: EOS-3305, EGS-3890-012
1	EAS-3295-170	Thermostat	215SB165P2, 215SB165AP70; Kit, 170 deg; Includes: EOS-3305, EGS-3890-012
1	EAS-3295-180	Thermostat	215SB165BP3, 215SB165AP80; Kit, 180 deg; Includes: EOS-3305, EGS-3890-012
1	EGS-3890-012	Gasket thermostat	590GB1334
1	EOS-3305	Seal thermostat	447GC216A
1	EGK-3845	Set water pump	57GC182; Includes: EGK-3852, EGK-3847, EGK-3846
1	EGK-3826	Gasket pump to hsg	610GB233; Steel shim, Foamette

<b>Mack Diesel PLN, E-Tech</b>		<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500
1	EGK-3852	Gasket pump to hsg	610GB216; Pump to housing
1	EGK-3847	Gasket water pump	56AX392; Inlet
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	469GC253M; use with EWP-3367 pump
1	ESH-3883	Shaft water pump	469GC254M; use with EWP-3369 pump
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
<b>TURBO / AIR</b>			
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]

<b>Mack Diesel</b> PLN, E-Tech		<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500
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	45MD361M; 76mm ID x 102mm length
1	EIH-2001	Hose turbo inlet	45MD361M3; 76mm ID x 140mm length
1	EIH-2002	Hose turbo inlet	45MD361M4; 76mm ID x 152mm length
1	EIH-2005	Hose turbo inlet	45MD361M5; 76mm ID x 190mm length
1	EIH-2003	Hose turbo inlet	45MD363M3; 102mm ID x 152mm length
1	EIH-2007	Hose turbo inlet	45MD363M4; 102mm ID x 197mm length
1	EIH-2008	Hose turbo inlet	45MD417M2; 90mm ID x 262mm length
2	EEX-2055	Manifold exhaust	Kit, Includes: EEX2054, nuts, studs
1	EEX-1823	Manifold exhaust	Kit, Includes: EEX1848, nuts, studs
2	EEX-2052	Manifold exhaust	104GC259M; Front / Rear, long mounting bosses
2	EEX-2054	Manifold exhaust	104GC5164M; Front / Rear, short mounting bosses
1	EEX-1848	Manifold exhaust	104GC5165M3, 104GC5165M; Center, short mounting bosses
1	EGS-3890-020	Gasket turbo mounting	590GB1189A; Single port [132040]
1	EGK-2865	Gasket turbo mounting	3316-409038; Dual port
1	EKT-0306	Kit turbo mounting	370SB24; Includes: Studs (4)EST-0417 Washers (4)GWA-0063 Nuts (4)ENU-0406
4	EST-0417	Stud turbo mount	616GC228M; M10-1.50 x M10-1.25 x 65mm
4	GWA-0063	Washer turbo mount	35AX1542
4	ENU-0406	Nut turbo mount	142GC247M
6	EGK-3934	Gasket manifold exhaust	573GB257A; 2-bolt
6	EGK-3938	Gasket manifold exhaust	573GB310A, 573GB260; 4 bolt holes, with steel band
	EST-0415	Stud manifold exhaust	616GC245M, 616GC230AM; M12-1.75 x 113mm
	EST-0416	Stud manifold exhaust	616GC245M2, 616GC230AM2; M12-1.75 x 103mm
	EST-0421	Stud manifold exhaust	616GC245M3, 616GC230M3; M12-1.75 x 60mm
12	ENU-0411	Nut manifold exhaust	142GC236M; M12-1.75, current
12	ENU-0410	Nut manifold exhaust	157AM5002C; M12-1.25, copper plated
12	EWA-0168	Washer manifold exhaust	35AX1380
4	ELK-1995	Lock manifold exhaust	87GC212; End, use with ENU-0410 nuts
2	ELK-1996	Lock manifold exhaust	87GC213; Center, use with ENU-0410 nuts
1	EMK-1967	Kit manifold intake	Includes: EMA-1968, EMA-1969, EIH-1984, (2) ECL-1955
1	EMA-1969	Manifold intake	105GC4222B
1	EMA-1968	Manifold intake	105GC249, 105GC4217B
2	EGS-3890-010	Gasket manifold intake	590GB312B; One piece
12	ESC-0372	Bolt manifold intake	41AM4; M10-1.5 x 30
12	GWA-0063	Washer turbo mount	35AX1542
4	EPP-3573	Plug intake manifold	49AX230, 49AX251
1	EIH-1984	Hose connection	744GB37P3, 744GB216P4; 3-1/2 ID x 2-1/2 length
1	EIH-1987	Hose	45MD29B; Inlet, 3 ID x 6 length
1	EIH-1988	Hose	744GB310P2; Silicone, 3-3/4 ID x 3-5/8 length
1	EIH-1991	Hose	45MD342M; Inlet, 3-1/2 ID x 5-15/16 length
1	EIH-1992	Hose	45MD342M2; Inlet, 3-1/2 ID x 4-3/4 length
1	EIH-1993	Hose	45MD414M3; Inlet, 4 ID x 7-1/8 length
3	ECL-1955	Clamp hose	83AX698, 83AX454

<b>Mack</b> Diesel PLN, E-Tech	<b>E7; 12.0L</b> (Continued)	6 Cylinder Bore 4.875 Stroke 6.500	
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**BLOCK**

6	EIM-2023	Piston cooling nozzle	115GC310; Early, for 1-pc piston
6	EIM-2028	Piston cooling nozzle	115GC316; Current, for 2-pc piston
6	EGS-3903-005	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
	ESC-2102	Bolt	421GC265M; Main bearing buttress, M12-1.25 x 80mm
	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**

	ESC-1611	Bolt flywheel	419GC31M, 419GC29M; M16-1.5 x 40mm
	EWA-0393	Washer flywheel bolt	271AM5008, 16mm ID x 28mm OD x 3mm thk
	ETC-2038	Timing cover	333GB5123BM
1	EGS-3903-004	Oring timing cover	56AX548; For aluminum timing cover
	FMT-4993	Motor mount	20QL329; Front upper (CH)
	FMT-4992	Motor mount	20QL322; Front lower (CH)
	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
6	ESC-0332	Bolt flywheel	419GC222M; E-tech, ASET, M16-1.5 x 60
6	ESC-1611	Bolt flywheel	419GC31M, 419GC29M; M16-1.5 x 40mm
6	EWA-0393	Washer flywheel bolt	271AM5008, 16mm ID x 28mm OD x 3mm thk
	ESC-0379	Bolt flywheel	2AM56
	36AM1X	Washer flywheel	36AM1X
1	EGK-3841-001	Gasket cover	590GB2146; Timing inspection cover