

EMD Engine Parts - Complete Specification Sheet

Professional parts list for EMD 645 & 710 compatible components. Suitable for quotations, catalogs, and technical documentation.

Part Name	Part Number	DLW Number
Water Pump Assembly – Left Bank	40004234	16070100
Water Pump Assembly — Right Bank	40004235	16070148
Water Pump Assembly – Left Bank	8058624	-
Water Pump Assembly — Right Bank	8058625	-
Housing Assembly Water Pump impeller	40004233	16120930
Housing Assembly Water Pump impeller	8354382	-
Impeller — Water Pump	8248248	16122008
Impeller — Water Pump	8060008	-
Nut — Hex lock 5/8-18	8028724	20355191
Flat 5/8 washer	8028730	8028730
Retainer — Water Pump Seal	9529473	16070161
Seal - Water Pump Outer	9526863	16241459
Seal - Water Pump Inner	9529199	16170647
Bushing — Water Pump Stationary	8052224	16150429
Gasket — Water Pump Housing to Support	8209776	16170635
Gasket — Water pump support to bushing	9570647	16170570
Bolt — Hex head, 5/16-18 × 7/8 - / 6 NOS	9543448	20011180

Part Name	Part Number	DLW Number
Bolt — Hex-head 1/2-13 × 1-3/8	179884	20014417
Spring — Water Pump Seal Retainer	8055346	16160344
Washer — Lock washer 1/2	103323	20390040
Shaft — Water Pump Drive	8052246	16240388
Key — Woodruff key (Shaft to impeller)	103909	20310092
Woodruff Key — for shaft to drive gear	108627	20310109
Slinger — Water Pump	8042969	16241447
Ball bearing — Water Pump, Impeller-end	908415	16150405
Bearing — Ball, Water Pump Drive-Gear End	908410	16150417
Spacer — Bearing	9532762	16230292
Retaining Ring	8042973	20340199
Snap Ring	8370886	20340205
Gear — Water Pump Drive (37-tooth)	8042976	16141740
Washer — Special	8042977	20394044
Nut — Hex lock, "Lock-1-14 hex"	8032724	20354034
Support Housing – Water Pump	8329900	16120929
Coil Spring	9312705	16160241
Pin Spring 1/8 × 1-3/8	273703	20330133
Screw – Nameplate mounting / Drive	145372	20260039
Plug pipe	8348618	17300058
Gasket Kit — Water Pump (set of 5 gaskets)	9580723	-
Water Pump Repair Kit (9 items)	40000927	-

Part Name	Part Number	DLW Number
Nut — Hex Lock, 1/2-20 / 8 NOS	8032719	-
Cylinder Test Valve (Valve Assembly)	40035242 / 8048880	16220018
Valve — Needle	8024846	16210062
Valve Body	8048883	-
Seal — Cylinder Test Valve Seal	40017341 / 8328687	16170090
Nut — Packing, Test Valve	8048884	-
Cylinder Test Valve Assembly / Kit	40036607	-
Handle — Test Valve	40054495	8048880
Cylinder-Head Seat Ring - Viton seal	9581924 / 8419438	16190039
Thrust-bearing washer	40102453 / 8135330	16130364
Shaft — Rocker Arm Shaft	8028460	16210013
Water Outlet Elbow	8414444	16130285
Button Bridge	8052307	16240236
Inner Race	9563714	16210050
Inner Race	8135970	-
Pin - Grooved Pin, 1/8" × 7/8"	442919	20330145
Piston Pin	8269842	-
Piston Pin (Rocking)	40078951	16141441
Adjusting Screw	8052327	20151019
Bushing Roller	9571598	16150170
Bushing Floating	8135971	-
Pin Cam Follower	8146111	20330250

Part Name	Part Number	DLW Number
Kit Gasket Power pack Installation (7 Items)	9582482	16171329
Kit Gasket Cylinder Head(5 Items)	8479836	-
Roller Assembly	9319503	16140357
Seat valve Spring	8081795	16240182
Washer Special 3/4	8140912	20394070
Ring Locking	8028136	20340023
Deflector Water	8348964	16240200
Washer Special 5/8 - Injector	8044832	20395012
Head Gasket Asm	40099569	16170039
Gasket Elbows to Water Pumps	40040019	16170659
Gasket Assembly Head to Liner with Grommet Seal	8476400	16170039
Gasket Water Inlet Tube To Water Manifold	40040025	16170660
Seal O-Ring	9317972	16170027
Seal O-Ring	8305815	16170015
Seal O-Ring Liner	9316850	16170052
Ring Snap	8059699	-
Washer Special	-	8384839
Collar Thrust - Standard Thickness	9544046	16150028
Collar Thrust - Standard	8028006	-
Collar Thrust - Standard	8028419	-
Washer Thrust Bronze	8069139	-
Washer Thrust Cast Iron	8166495	-

Part Name	Part Number	DLW Number
Bearing Sleeve Upper	8261195	16230644
Damper	9323945	-
Cam Pawl Camshaft	8320742	16130157
Cap Main Brg Center	8476507	-
Cap Main Brg Center	8476509	-
Cap Main Brg Center	8476510	-
Gear Spur - 80 tooth	8035625	16141027
Bushing Oil Pump Body	8039667	-
Bushing Oil Pump Body	8039669	-
Washer Flat 1/2 - Copper	8029494	20391195
Housing Assembly Aux. Gen. Drive Support	8261201	16121569
Support - Aux Gen Drive	8261197	16121570
Bearing Thrust	8379914	16150314
Washer Special	8081368	20394056
GEAR Ring - Starter motor (40121149)	8416930	16191900
Gear accessory drive	8141909	-
Acc drive gear disc	8041907	-
Bushing Drive Gear	8039671	16150260
Bushing Bearing	8369674	-
Bearing Assembly Blower	8369675	-
Rotar plate bearing	8206553	-
Bushing Shaft	8039674	16150259

Part Name	Part Number	DLW Number
Bushing	40027697	17202358
Valve Outer Disc 1 number small	8063274	-
Valve Outer Disc 2 number medium	8063273	-
Valve Inner Disc 3 number large	8083590	-
Washer 2.62 OD X 0.78ID X 0.175 INCH	40027673	20398165
Washer Special -2-1/2 OD X 1-1/16 ID X 3/8 INCH	8427242	20394500
Washer Fiber Gasket 15/16 OD X 49/64 ID X 1/32 INCH	8120768	-
Gasket Water Tank Outlet	9570720	17270984
Gasket Soakback Filter to Flange	40034622	16170787
Gasket Water Pump Inlet to Pipe	9570678	17270960
Gasket Piston Cooling Tube	40048968	16170970
Gasket Rocker Arm	8029167	16170076
Gasket Detector Mounting	40040017	16171202
Gasket Pump Inlet and Flexible	9570679	17270972
Gasket 3/4 Flange	8057487	17271010
GASKET	40040030	-
GASKET	40040028	-
GASKET	40040021	-
GASKET	40040024	-
GASKET	9572322	-
GASKET	40040026	-
GASKET;P/N:8104055	8104055	-

Part Name	Part Number	DLW Number
GASKET	40040018	-
Gasket	8029498	-
Exhaust Manifold Gasket 40055466 (Cooper)	40055466	-
Pipe Assembly Water Discharge- Left Bank	9546040	16191237
Pipe Assembly Water Discharge- Right Bank	40043687	16070112
Pipe 3 INCH	10634547	17202991
Tube Assembly Water Inlet	9093027	16230310
Line Assembly Lube oil	8039842	16040168
LINE Assembly Fuel oil	8160209	16050230
Segment Spring (SMALL)	9091462	-
Segment Spring	9091463	16130303
Stud Accessory Cover Mounting	8084871	20110091
Roller Assembly	9571597	-
THRUST PLATE	8069480	-
STUD,PLAIN	8054189	-
FLANGE GOVERNOR DRIVE PART	8028480	-
SPRING, EXHAUST VALVE	8068791	-
NUT,LOCK	8060089	-
PIN	8028103	-
SEAT VALVE;P/N:40079454	40079454	-
STUD, LOCATING, CAMSHAFT, ENGINE	8034672	-
PACKING, PREFORMED	8342588	-

Part Name	Part Number	DLW Number
SEAL,OIL ACCESSORY DRIVE	8055158	-
SEAL	8280352	-
SEAL,METALLIC,SPECIAL	8294874	-
GASKET	8250627	-
SEAL,SUPPLY ELBOW TO COVER	8082587	-
WASHER,FLAT	8260114	-
KIT Water pump repair (9 items)	8404507	-
THRUST COLLER BLOWER	8028466	-
Bolt ASM	16350030	8159340

Document Info

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OEM-Grade EMD Components