

MAHLE®

Genuine heavy duty
Pre-packed engine kits

CLEVITE® **MAHLE®**

The MAHLE pre-packed heavy duty engine kit program consists of the most popular engine kits

MAHLE pre-packed engine kits, unless otherwise specified, contain:

- Cylinder kits
- Full gasket sets (overhaul)
- Head gasket sets (in-frame)
- Oil pan gaskets (in-frame)
- Standard size main and rod bearings



***IMPORTANT:**

When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

On-Road Applications

MAHLE In-frame Kit*	MAHLE Overhaul Kit*	Kit OE Ref #	MAHLE Piston / Cylinder Kit	OE Piston / Cylinder Kit	Notes
CATERPILLAR					
3406, 3406E					
456-5007			226-1901	7E0539	3406B. Contains Aluminum Piston From S/N 4MG43578
456-5031			226-1734	2900017	3406B. Contains Aluminum Piston. From S/N 92U28617
456-5036			226-1918	7E8700	3406C. Contains Aluminum Piston From S/N 4CK1 And From S/N 5KJ1
456-5040			226-1855	9Y9889	3406B. Contains Aluminum Piston. From S/N 4MG3600 Up. From S/N 8TC1413.
456-5046			226-1922	1010016	3406C. Contains Aluminum Piston Arrangement # 4P1019. S/N 3ZJ36602
456-5049			226-1969	Crown:1807352 Skirt: 1326663	Contains two piece Ferrotherm piston. For Engines with a Single Valve Cover
456-5050			226-1969	Crown:1807352 Skirt: 1326663	Contains two piece Ferrotherm piston. For Engines with 3 Individual Valve Covers
456-5055			226-1969	Crown:1807352 Skirt: 1326663	Contains two piece Ferrotherm piston. Contains Consolidated Head Set covers OE# 2533442, 2572754, 2969934, 3211418, 1685248, And Pan Gasket And 2401614(24) Oil Pan Grommets

*IMPORTANT: When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

MAHLE In-frame Kit*	MAHLE Overhaul Kit*	Kit OE Ref #	MAHLE Piston / Cylinder Kit	OE Piston / Cylinder Kit	Notes
C15					
456-5089			226-2054	3564787	Contains One piece Monotherm Piston, Isolator Pan Gasket For Serial number MXS-Up, BXS-Up
CUMMINS					
NT-855					
459-5010		3804514, 3803549	226-1905	Sleeve Assembly 3804444	Big Cam; CPL: 1, 10, 11, 12, 101, 108, 109, 120, 123, 204, 1181; Engine Kit OEM:3804514, 3803549
459-5017			226-1771	Sleeve Assembly 3801776	NT855 / NT400 14 L; CPL: 1205, 250, 254, 266, 277, 294, 298, 306, 315, 320, 338, 353; OE Piston: 3051554
459-5018			226-1750	3801777	Premium sleeve assembly, Big Cam connecting rod bearings
459-5020			226-1772	3801779	Big Cam Rods
459-5021			226-1749	3801768	Premium plus sleeve assembly, standard size sleeve, Big Cam connecting rod bearings
459-5023			226-1773	3801780	Big Cam Rods
459-5024			226-1745	3801771	Premium plus sleeve assembly, standard size sleeve, Big Cam connecting rod bearings
459-5036			226-1880	Sleeve Assembly 3801797	NT855 / NT400 14 L; CPL: 675; OE Piston: 3042318
459-5038			226-1831	3801817	Big Cam Rods
459-5042			226-1770	Sleeve Assembly 3801774	Big Cam; CPL: 121, 471, 506, 529, 579, 581, 585, 612, 633, 636, 674, 743. Piston: 3042320, 3801535
459-5052			226-1835	3801823	Dual Ni-Resist Piston Sleeve Assembly, standard size sleeve, Big Cam Connecting Rod Bearings
459-5230			226-1821	3803346	Big Cam Rods
459-5272			226-1841	Sleeve Assembly 3801956	14L NTC400; CPL: 827, 1185, 1188, 1211; OE Piston: 3801954, 3052794
N14					
459-5187			226-1903	Sleeve Assembly 3803759	CPL: 1374, 1380, 1395, 1405, 1507, 1529, 1530, 1532, 1607, 1652, 1878; Piston: 3803758, 3081269, 3803429
459-5188			226-1911	Sleeve Assembly 3803755	Mechanic; Overhaul OEM: 4024877; Assembly OEM:3803755; Piston: 3081268
459-5441		4024879	226-2041	3804636	Big Cam Rods
459-5442		4024881	226-2040	3803740	
459-5443	459-1483	4024880	226-2039	3803742	Big Cam Rods
L10					
459-5434			226-1852	3800800	Narrow L10, .425 Depth Bowl

*IMPORTANT: When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

MAHLE In-frame Kit*	MAHLE Overhaul Kit*	Kit OE Ref #	MAHLE Piston / Cylinder Kit	OE Piston / Cylinder Kit	Notes
M11, ISM, QSM					
459-5542		2882008	Cyl kit: 226-2153 Piston kit: 225-4029	Piston kit: 4089865	With Crown 3103753 CPLs: 3707, 8471, 8495, 8543, 8544, 8545, 8546, 8608
459-5543		4025297	Cyl kit: 226-2154 Piston kit: 225-4030	Cyl kit: 4025162 Piston kit: 4025161	With crown 4004757 CPLs: 1827, 1828, 1829, 1830, 1841, 1855, 1856, 1857, 1875, 1885, 1897, 1973, 1991, 1992, 1993, 2012, 2036, 2037, 2040, 2041, 2042, 2097, 2099, 2119, 2140, 2141, 2165, 2178, 2201, 2204, 2207, 2336, 2363, 2370, 2371, 2378, 2425, 2445, 2503, 2539, 2540, 2541, 2542, 2543, 2809, 2811, 2812, 2916, 2917, 2918
459-5545			226-2156	3801150	M11, ISM, QSM; CPL: 2830; OE Piston: 5469001, 4022532; Narrow Bearing
459-5546			226-2157	Sleeve Assembly 4025160	M11, ISM, QSM 10.8L; Piston Crown: 4059904, 5469046; Rebore Kit: 4025159
459-5547		4090008	Cyl kit: 226-2158 Piston kit: 225-4048	Cyl kit: 4025164 Piston kit: 4025158	With crown 5469020 CPLs: 2199, 2200, 2350, 2376, 2477, 2562, 2563, 2576, 2607, 2608, 2610, 2611, 2612, 2614, 2615
459-5548		4918787	Cyl kit: 226-2159 Piston kit: 225-4049	Piston kit: 4089386	With crown 3102808 CPLs: 2725, 2727, 2728, 2729, 2730, 2731, 2800, 3280, 3281, 3330, 8271, 8272, 8273, 8274, 8309, 8377, 8427, 8503, 8504, 8505, 8506, 8556, 8557, 8558, 8559, 8560, 8561, 8562, 8563, 8572
ISX - SEE PAGE 7					
DETROIT DIESEL					
60 SERIES (12.7L)					
468-5094	468-1094	23532574	226-2104	23533204	Premium Kit, 15.0:1 CR, 3.0MM Top Ring. Two Piece FERROTHERM Piston
468-5097	468-1097		226-2106	Sleeve Assembly 23532562, 23532554	DDECIV 16.5:1 CR; Piston Pin 22MM; Top Ring 2.5MM; Main Bearing OE: 8929670(6)+ 8929680(1); OEM Engine Kit: 23532577
468-5100	468-1100	23532577	226-2106	23532554	Premium Kit. 16.5:1 CR. 3.0MM Top Ring. Two Piece FERROTHERM Piston
468-5128	468-1128	23532565	226-1933	23532555	Premium Kit. Wide Rod Bearings. Two Piece Cast Iron Piston. From S/N 6R0188252
468-5149		23537130	226-2126	23533595	Premium Kit, Contains MONOTHERM Piston OE# 23533041, Contains main bearing kit OE# 23533691

*IMPORTANT: When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

MAHLE In-frame Kit*	MAHLE Overhaul Kit*	Kit OE Ref #	MAHLE Piston / Cylinder Kit	OE Piston / Cylinder Kit	Notes
60 SERIES (14.0L)					
468-5110	468-1110		226-2045	Sleeve Assembly 23530665	Series 60. 14.0L DDEC V Sectioned Piston; OEM Engine Kit: 23537081. OE Piston: 23530664
468-5129			226-1933	Sleeve Assembly 23532555	Series 60. 11.1L, 12.7L DDECIII; Wide Conn Rod Bearing; Main Bearings OE: 8929670(6)+ 8929680(1); OEM Engine Kit:23532565
468-51331			226-2099	Sleeve Assembly 23538831	
468-5132			226-2094	Sleeve Assembly 23532590	
468-5133		23538418	226-2099	23538831	Premium Kit. Contains MONOTHERM Piston OE# 23537126
468-5150		23539316	226-2119	23536256	Premium Kit. Contains MONOTHERM Piston OE# 23536674. Contains Main Bearing Kit OE# 23533691
MACK					
E7					
	480-1017	215SB200G	226-2078	215SB220A	16.9:1 CR
	480-1018	215SB304B	226-2077	215SB219E	E-Tech, 16.5:1 CR
MP8					
480-5021		85138501	226-2092	20928630	EPA07 engines. Includes Thermostat and, Oil and Fuel Filters
480-5032		85138502	226-2150	21330684	EPA10 engines
MERCEDES-BENZ					
OM460, MBE4000					
486-5046		RA4600101800	226-2096	A4600301337	EPA04, Engine Models: 460.926-927, 460.932-949. To S/N 813071. With Non-Grommet Head Gasket, Includes Thermostat and, Oil and Fuel Filters
486-5047		RA4600102000	226-2097	A4600303537 A4600303437	EPA04, Engine Models: 460.926-927, 460.932-949. S/N 813071-866442. With Non-Grommet Head Gasket, Includes Thermostat and, Oil and Fuel Filters
486-5048	486-1048	RA4600102400 RA4600103000	226-2097	A4600303537 A4600303437	EPA04, Engine Models: 460.926-927, 460.932-949. From S/N 866443 EPA07, Engine Models 460.975-981 With Grommet Head Gasket. Includes Thermostat and, Oil and Fuel Filters
OM 924 LA					
486-5055			001 PI 00168 000	A9260301018	Engine Models: OM 924.917, 925, 929, 933
OM926 LA					
486-5056			001 PI 00168 000	A9260301018	Engine Models: OM 926.916, 920, 927-928, 942, 950

*IMPORTANT: When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

MAHLE In-frame Kit*	MAHLE Overhaul Kit*	Kit OE Ref #	MAHLE Piston / Cylinder Kit	OE Piston / Cylinder Kit	Notes
NAVISTAR					
DT360					
489-5020		1817253C96	226-1966	1817250C92	S/N 39375-Up
DT466 A, B, C					
489-5001		1825442C92	226-1919	1817645C94	3 Ring Piston, S/N 75000 to 439617, 1.200 (Narrow) Rod Bearing
489-5004	489-1004	1825443C92	226-1919	1817645C94	3 Ring Piston. S/N 439619 to 532983 (New Generation), 1.260 (Wide) Rod Bearing
DT466E					
489-5016		1841391C94	226-1963	1825690C93	95-99, S/N 990821 To 1194038 , 175, 190, 210 Standard Torque, 195 High Torque
489-5017		1833446C97	226-1962	1824966C92	93-99, From S/N 933834 To 1126948, 230 Standard Torque, 210, 230, 250 High Torque, 2 Top Rings Keystone
489-5023			226-2005	1830566C98	
DT466P, NGD					
489-5018			226-1960	Sleeve Assembly 1822340C96	From S/N 888340 Every torque and HP Main Bearings OE:1822321C91(6) + 1822379C91(1)
489-5019		1850011C92	226-1964	1824823C92	95-97, From S/N 888341 To 933833, 175, 190, 210, 230, Standard Torque, 195, 210 High Torque, Only Top Ring Keystone
489-5022			226-2004	Sleeve Assembly 1824820C93	
DT466E BIG BORE					
489-5029		1836300C99 1889992C94	226-2065	1836299C97	00-04, HEUI, S/N 1194039 To 2,000,000, 230, 250 Standard Torque, 230, 250 High Torque
489-5030		1836195C99 1888653C95	226-2066	1836192C98	00-04, S/N 1194039 to 2000000 HEUI, 215HP and Below High Torque
I530					
489-5032		1836012C95	226-2068	1825547C97	S/N 981120 To 1194038, 250-275 Horsepower
VOLVO					
D12D 365, D12D 395, D12D 425, D12D 435, D12D 465					
480-5027	480-1027	85110455	226-2098	20521943	Gaskets for EGR system not included. Includes Oil and Fuel Filters
D13					
480-5021		85138501	226-2092	20928630	EPA07 engines. Includes Thermostat and, Oil and Fuel Filters
480-5032		85138502	226-2150	21330684	EPA10 engines

*IMPORTANT: When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

ISX Kits

CPL	OE Piston	MAHLE Piston Kit	150MM		152MM	
			In-frame OE #	Kit #**	In-frame OE #	Kit #**
ISX15						
CM570, CM870, CM871						
1732, 3087, 3088, 4262, 8760, 8761, 8762, 8764	4357149	225-3978	4376176	459-5520	NA	459-5541
1771, 2440, 2627, 2628, 2629, 2631, 2632, 2803, 2803, 2814, 2933, 2934, 8046, 8047, 8048, 8083, 8242, 8243, 8244, 8255, 8257, 8258	4357150	225-3971	4376171	459-5512	4376429	459-5513
2442, 2483, 2630, 2633, 2801, 2816, 2834, 2836, 2837, 2900, 8246, 8247	4367126	225-3976	4376172	459-5514	NA	459-5539
2825, 2835, 8081, 8142, 8469, 8571, 8587, 8588	4367132	225-3979	4376173	459-5515	NA	459-5540
1437, 2732, 3229, 3459, 3775, 8287, 8288, 8520, 8523, 8550	4367161	225-3969	4376175	459-5518	5405988	459-5519
927, 1434, 2733, 2734, 2919, 2965, 3167, 3458, 3774, 8125, 8281, 8282, 8283, 8284, 8285, 8286, 8517, 8518, 8519, 8521, 8522, 8660	4367173	225-3973	4376174	459-5516	4376428	459-5517

CPL	OE Piston	MAHLE Piston Kit	150MM			152MM		
			In-frame OE	Saw cut**	Fracture split**	In-frame OE	Saw cut rod**	Fracture split**
ISX15								
CM2250, CM2350								
3657, 3719, 3724, 3937, 4583, 4586	3687897	225-3980	5579460, 5473074, 4376179	459-5525	459-55251	5579461, 5473075, 5405986	459-5526	459-55261
3348, 3349, 3376, 3490, 3491, 3687, 3688	3688099	225-3981	5579450, 5473065, 4376177	459-5521	459-55211	5579451, 5473066, 4376427	459-5522	459-55221
3350, 3356, 3606, 3765, 3766, 3794, 3797, 3938, 3939, 4584, 4585, 4587, 4588	3688100	225-3982	5579454, 5473069, 4376178	459-5523	459-55231	5579455, 5473070, 5405987	459-5524	459-55241

Rod type**	Rod OE Ref	OE Bearing	MAHLE Bearing
Saw cut	4059429	4089405	CB-1908P
Fracture split	3689108	2882087	CB-1994P

*IMPORTANT: When ordering kits from this brochure, please add a 'STD' suffix to the part number (for example: 456-5007STD).

MAHLE Aftermarket Inc.
23030 MAHLE Drive
Farmington Hills, MI 48335
United States
Phone +1 (800) 338-8786
Fax +1 (248) 596-8899

MAHLE Aftermarket S de RL de CV
Km. 53.750 Carretera México-Toluca
Zn Ind. Dona Rosa, Letra E, Interior 1A
Col. Parque Industrial Lerma, 52000, Ler-
ma, Mexico
Teléfono: +52 722 2624530,
Fax: +52 722 2624550

www.mahle-aftermarket.com

