

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

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

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

These pre-packed engine kits, shipped the same day as ordered (when ordered by 2 pm central time), are complete with all the parts needed in one box. Stocked in both Olive Branch and Bell Service Centers to ensure even faster delivery. For more information, visit catalog.mahle-aftermarket.com/na.

On-Road Applications

In-frame	Overhaul	Kit OE Reference	MAHLE Cylinder Kit/ Piston	OE Cylinder Kit/ Piston	Notes
CATERPILLAR					
3406, 3406E					
456-5007			226-1901	Piston: 7E0539	3406B. Contains Aluminum Piston From S/N 4MG43578
456-5031			226-1734	Piston: 2900017	3406B. Contains Aluminum Piston. From S/N 92U28617
456-5036			226-1918	Piston: 7E8700	3406C. Contains Aluminum Piston From S/N 4CK1 And From S/N 5KJ1
456-5040			226-1855	Piston: 9Y9889	3406B. Contains Aluminum Piston. From S/N 4MG3600 Up. From S/N 8TC1413.
456-5046			226-1922	Piston: 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
C15					
456-5089			226-2054	Piston: 3564787	Contains One piece Monotherm Piston, Isolator Pan Gasket For Serial number MXS-Up, BXS-Up

In-frame	Overhaul	Kit OE Reference	MAHLE Cylinder Kit/ Piston	OE Cylinder Kit/ Piston	Notes
CUMMINS					
NT-855					
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
459-5038			226-1831	3801817	Big Cam Rods
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
N14					
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
M11, ISM, QSM					
459-5511			Liner: 226-4546	3803703	Pistonless Kit, S/N 34853317-Up, Without skirts, With main bearing set 4025120
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
459-5547		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

In-frame	Overhaul	Kit OE Reference	MAHLE Cylinder Kit/ Piston	OE Cylinder Kit/ Piston	Notes
ISX - SEE PAGE 6					
DETROIT DIESEL					
3-53					
	468-1018		226-1477	5198899	Naturally Aspirated Engines, Trunk Style Piston
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
468-5100	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
60 SERIES (14.0L)					
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

In-frame	Overhaul	Kit OE Reference	MAHLE Cylinder Kit/ Piston	OE Cylinder Kit/ Piston	Notes
MERCEDES-BENZ CONT'D					
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
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
DT466P, NGD					
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
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

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	459-5525/1	5579461, 5473075, 5405986	459-5526	459-5526/1
3348, 3349, 3376, 3490, 3491, 3687, 3688	3688099	225-3981	5579450, 5473065, 4376177	459-5521	459-5521/1	5579451, 5473066, 4376427	459-5522	459-5522/1
3350, 3356, 3606, 3765, 3766, 3794, 3797, 3938, 3939, 4584, 4585, 4587, 4588	3688100	225-3982	5579454, 5473069, 4376178	459-5523	459-5523/1	5579455, 5473070, 5405987	459-5524	459-5524/1

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

Off-Road Applications

In-frame	Overhaul	Kit OE Reference	MAHLE Cylinder Kit/ Piston	OE Cylinder Kit/ Piston	Notes
ALLIS CHALMERS					
649T: Wheel Tractor 7010					
	400-1016		226-1777	4009253	For turbocharged engines; contains main bearing with slotted oil hole
D3400, D3500, D3700: Wheel Loader TL645, Wheel Tractor 4W220, 7GB, D21, 210, 220, 7030, 7040, 7045, 7050, 7060PS, 8030PS, 8050PS, 8070PD, 8070PS, Crawler Tractor HD7, Combine L5, N5, N6, NF					
	400-5002		226-1470	4036682	1-1/2" pin diameter; slotted oil hole for late engines with piston cooling through the rod
CASE					
188D: Wheel Tractor 310B, 311B, 320B, 420, 430, 431, 441, 470, 480, 480CKC, 480LL, 500LK, 600, 610, 640, Wheel Loader W3, W5, 480CK, 580C, Combines 600, 660, Crawler Tractor 310, 310E, 310F, 350B, 430, 450, 480B, Windrowers 1140, 1150, 1155, 1255					
	403-1005		226-1604	A151995	Wide flange sleeve OD 4.537"
G207D: Wheel Tractor 350, 480, 480B, 580C, 580KC, 580D, Crawler Tractor 310, 350, 450, 500, 580, Unloaders 1740, 1855, Forklifts 584, 584C, 585, 585C, 586C					
	403-1027		226-1656	A46382	Late style engine for S/N 2869291 and above; piston has 2-1/2" combustion bowl; for standard clutch type transmission
A504BD: Wheel Tractor 1370, 1470, 1570, 2290, 2470, 2590, 4490, Wheel Loader W24, W24B, W26B, W36, Excavator 980B, Crawler Tractor 1450, Concrete Placers T80, TB80, P504					
	403-1036		226-1663	A166134	For engine S/N 2539001 and above; contains piston pin 1.625" diameter; thrust washer .186" thick
JOHN DEERE					
4-239D, 4039D: Combine 290D, 490, 70, 70D, Crawler Tractor 400G, JD45, Excavator JD 34, JD44, Wheel loader 210C, 315C, 515B, Wheel Tractor 2350, 2355, 2550, 2555, Windrower 2360, 3430					
	427-1014		226-1827	RE30250	Windrower 3430 for S/N 809840 and above; keystone top ring
4-276T, 4045H, 4045T: Crawler Dozer JD555, Crawler Tractor 450E, 450G, 455G, 550, 555B, 555G, 650G, Excavator 495D, 590D, 595D, Skidder 340D, 446D, 548D, Wheel Loader 410C, 440C, 444E, 610B, 610C					
	427-1020		226-1669	RE19832	1-5/8" (1.625") piston pin diameter

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