



PUSH ROD CRATE ENGINES AND SHORT BLOCKS

CRATE ENGINE PART NUMBER	M-6007-X302E/X302B	M-6007-X302	M-6009-331F	M-6007-Z331P	M-6009-Z347
Displacement (ci)	302	306	331	331	347
Horsepower (hp)	X302E 340 X302B 345	340	N/A	500	N/A
Torque (lb-ft)	310	310	N/A	388	N/A
Compression Ratio	9.0:1	9.0:1	N/A	11.9:1	N/A
Cylinder Heads	X306 GT-40	X306	No Heads	Z304PA	No Heads
Camshaft	X302E XE303 Hyd. Roller X302B B303 Hyd. Roller	E303 Hyd. Roller	No Cam	Flat Tappet	No Cam
Crank	3.000" Forged	3.000" Cast	3.100" Forged	3.100" Forged	3.400" Forged
Piston	4.000" Forged	4.030" Forged	4.125" Forged	4.125" Forged	4.030" Forged
Intake	No Intake	No Intake	No Intake	No Intake	No Intake
Distributor	No Distributor	No Distributor	No Distributor	No Distributor	No Distributor
Valve Cover	M-6582-BOSS302	M-6000-K302R	No Valve Covers	M-6582-BOSS	No Valve Covers
Oil Pan	Production	Rear Sump	No Oil Pan	7 qt. Rear Sump	No Oil Pan
Water Pump	Serpentine Belt	N/A	No Water Pump	V Belt	No Water Pump
Block	M-6010-BOSS302	Production	M-6010-BOSS302	M-6010-BOSS302	M-6010-BOSS302

CRATE ENGINE PART NUMBER	M-6007-Z347FT	M-6007-Z347	M-6007-347NST	M-6007-D347SR	M-6007-S347JR	M-6007-S374W
Displacement (ci)	347	347	347	347	347	374
Horsepower (hp)	450	450	N/A	415	350	540
Torque (lb-ft)	400	400	N/A	400	400	470
Compression Ratio	9.7:1	9.7:1	10.0:1	10.0:1	9.8:1	11.0:1
Cylinder Heads	Z304DA High-Flow	Z304DA High-Flow	Z304DA	Z304DA	X306	Z304DA
Camshaft	Hyd. Roller	Hyd. Roller	F303 Hyd. Roller	F303 Hyd. Roller	Hyd. Roller	Solid Roller
Crank	3.400" Forged	3.400" Forged	3.400" Forged	3.400" Forged	3.400" Forged	3.500" Forged
Piston	4.030" Forged	4.030" Forged	4.030" Forged	4.030" Forged	4.030" Forged	4.125" Forged
Intake	Victor Jr.®	Victor Jr.®	Victor Jr.®	Victor Jr.®	Performer® Dual Plane	Super Victor®
Distributor	Billet Distributor	Billet Distributor	Billet Distributor	Billet Distributor	Billet Distributor	Billet Distributor
Valve Cover	M-6582-BOSS	M-6582-BOSS	Ford Racing	Ford Racing	Ford Racing	M-6582-CT
Oil Pan	7 qt. Front Sump	7 qt. Rear Sump	7 qt. Rear Sump	7 qt. Rear Sump	7 qt. Rear Sump	Rear Sump
Water Pump	V Belt	V Belt	V Belt	V Belt	V Belt	V Belt
Block	M-6010-BOSS302	M-6010-BOSS302	M-6010-BOSS302	M-6010-BOSS302	M-6010-BOSS302	M-6010-BOSS35192

CRATE ENGINE PART NUMBER	M-6007-S374D	M-6007-S374DCRA	M-6007-D392FFT	M-6007-D392FRT	M-6007-C392FT	M-6007-C392RT
Displacement (ci)	374	374	392	392	392	392
Horsepower (hp)	590	590	430	430	475	475
Torque (lb-ft)	495	495	450	450	495	495
Compression Ratio	11.0:1	11.0:1	9.7:1	9.7:1	10.0:1	10.0:1
Cylinder Heads	Z304DA	Z304DA	X303 GT-40	X303 GT-40	Z304DA High-Flow	Z304DA High-Flow
Camshaft	Solid Roller	Solid Roller	Hyd. Roller	Hyd. Roller	Hyd. Roller	Hyd. Roller
Crank	3.500" Forged	3.500" Forged	3.850" Forged	3.850" Forged	3.850" Forged	3.850" Forged
Piston	4.125" Forged	4.125" Forged	4.030" Forged	4.030" Forged	4.030" Forged	4.030" Forged
Intake	Super Victor®	Super Victor®	Victor Jr.®	Victor Jr.®	Victor Jr.®	Victor Jr.®
Distributor	Billet Distributor	Billet Distributor	Billet Distributor	Billet Distributor	Billet Distributor	Billet Distributor
Valve Cover	M-6582-DS	M-6582-DS	Ford Racing	Ford Racing	Ford Racing	Ford Racing
Oil Pan	Dry Sump	Dry Sump	7 qt. Front Sump	7 qt. Rear Sump	7 qt. Front Sump	7 qt. Rear Sump
Water Pump	V Belt	V Belt	Both	Both	Both	Both
Block	M-6010-BOSS35192	M-6010-BOSS35192	M-6010-C58	M-6010-C58	M-6010-C58	M-6010-C58



PUSH ROD CRATE ENGINES AND SHORT BLOCKS

CRATE ENGINE PART NUMBER	M-6009-427F	M-6007-Z427AFT/Z427ART	M-6007-Z427FFT/Z427FRT	M-6007-521FT	M-6007-521RT
Displacement (ci)	427	427	427	521	521
Horsepower (hp)	N/A	TBD	505	580	580
Torque (lb-ft)	N/A	TBD	520	600	600
Compression Ratio	N/A	10.5:1	10.4:1	10.0:1	10.0:1
Cylinder Heads	No Heads	Z304P	Z304DA	SCJB	SCJB
Camshaft	No Cam	TBD	Hyd. Roller	Mech. Roller	Mech. Roller
Crank	4.000" Forged	4.000" Forged	4.000" Forged	4.300" Cast	4.300" Cast
Piston	4.125" Forged	4.125" Forged	4.125" Forged	4.390" Forged	4.390" Forged
Intake	No Intake	No Intake	No Intake	Victor Jr.®	Victor Jr.®
Distributor	No Distributor	No Distributor	No Distributor	Billet Distributor	Billet Distributor
Valve Cover	No Valve Covers	M-6582-W427	M-6582-W427B	M-6582-C460	M-6582-C460
Oil Pan	No Oil Pan	Front Sump/Rear Sump	Front Sump/Rear Sump	7 qt. Front Sump	7 qt. Rear Sump
Water Pump	No Water Pump	V Belt	V Belt	V Belt	V Belt
Block	M-6010-BOSS35195	M-6010-Z351	M-6010-BOSS35195	M-6010-A460	M-6010-A460

MODULAR CRATE ENGINES AND SHORT BLOCKS

ENGINE PART NUMBER	M-6007-A46NA	M-6009-A46NA	M-6007-A46SC	M-6009-A46SC	M-6009-A46SCB
Displacement	4.6L	4.6L	4.6L	4.6L	4.6L
Horsepower (hp)	N/A	N/A	N/A	N/A	N/A
Torque (lb-ft)	N/A	N/A	N/A	N/A	N/A
Compression Ratio	10.0:01	10.0:01	8.5:1	8.5:1	8.5:1
Combustion Chamber Volume (cc)	52.6 ± 0.5	N/A	52.6 ± 0.5	N/A	52.6 ± 0.5
Cylinder Heads	4V, 04 Cobra Production	N/A	4V, 04 Cobra Production	N/A	N/A
Camshafts	03/04 Cobra In: 10 mm Ex: 10 mm	N/A	03/04 Cobra In: 10 mm Ex: 10 mm	N/A	N/A
Crankshaft	Forged, 8-Bolt Flywheel	Forged, 8-Bolt Flywheel	Forged, 8-Bolt Flywheel	Forged, 8-Bolt Flywheel	Forged, 8-Bolt Flywheel
Connecting Rod	Forged Steel	Forged Steel	Forged Steel	Forged Steel	Forged Steel
Piston	Forged, Grafal® coated skirts Occ dish	Forged, Grafal® coated skirts Occ dish	Forged, Grafal® coated skirts 16cc dish	Forged, Grafal® coated skirts 16cc dish	Forged, Grafal® coated skirts 16cc dish
Intake Manifold	N/A	N/A	N/A	N/A	N/A
Ignition	N/A	N/A	N/A	N/A	N/A
Valve Cover	M-6582-A54	N/A	M-6582-A54	N/A	N/A
Oil Pan	XR3E-6675-DB	N/A	XR3E-6675-DB	N/A	N/A
Water Pump	5W7E-8501-AA	N/A	5W7E-8501-AA	N/A	N/A

ENGINE PART NUMBER	M-6009-463V	M-6009-A463SC	M-6009-A463V	M-6007-M50	M-6006-A54SC	M-6007-A54SC
Displacement	4.6L	4.6L	4.6L	5.0L	5.4L	5.4L
Horsepower (hp)	N/A	N/A	N/A	412	N/A	625
Torque (lb-ft)	N/A	N/A	N/A	390	N/A	554
Compression Ratio	9.8:1	8.7:1	N/A	11.0:1	8.4:1	8.4:1
Combustion Chamber Volume (cc)	N/A	N/A	N/A	55.98	52.7	52.7
Cylinder Heads	N/A	N/A	N/A	Production	Production	Production
Camshafts	N/A	N/A	N/A	Production	Production	Production
Crankshaft	Cast, 6-Bolt Flywheel	Forged, 8-Bolt Flywheel	Forged, 8-Bolt Flywheel	Forged Steel	Forged Steel	Forged Steel
Connecting Rods	Sintered Steel	Forged Steel	Forged Steel	Sintered Steel	Forged Steel	Forged Steel
Piston	Cast, hard anodized ring grooves Grafal® coated skirts	Forged, Grafal® coated skirts 16cc dish	Forged, Grafal® coated skirts	Cast, hard anodized ring grooves, Grafal® coated skirts	Forged, hard anodized ring grooves, Grafal® coated skirts	Forged, hard anodized ring grooves, Grafal® coated skirts
Intake Manifold	N/A	N/A	N/A	2011 Mustang	N/A	2011 Mustang SVT
Ignition	N/A	N/A	N/A	Coil on plug	N/A	Coil on plug
Valve Covers	N/A	N/A	N/A	Production	2011 Mustang SVT	2011 Mustang SVT
Oil Pan	Production	N/A	N/A	Production	Production	Production
Water Pump	N/A	N/A	N/A	Production	Production	Production
Exhaust Manifolds	N/A	N/A	N/A	N/A	N/A	N/A



MODULAR CRATE ENGINES AND SHORT BLOCKS

ENGINE PART NUMBER	M-6009-C54SC4	M-6007-M54	M-6007-SCJ
Displacement	5.4L	5.4L	5.4L
Horsepower (hp)	N/A	550	475
Torque (lb-ft)	N/A	510	N/A
Compression Ratio	8.1:1 w/2007-2009 SVT heads	8.4:1	9.6:1
Combustion Chamber Volume (cc)	N/A	52.7	52.7
Cylinder Heads	N/A	Production	Ford GT
Camshafts	N/A	Production	Ford GT
Crankshaft	Forged, 8-Bolt Flywheel	Forged Steel, 8-Bolt Flywheel	Forged Steel, 8-Bolt Flywheel
Connecting Rods	Forged, w/ARP® 2000 bolts	Sintered Steel	Forged Steel
Piston	Forged, Grafal® coated skirts 16cc dish	Forged, hard anodized ring grooves, Grafal® coated skirts	Forged, hard anodized ring grooves, Grafal® coated skirts
Intake Manifold	N/A	2011 Mustang SVT	Production Mustang SVT
Ignition	N/A	Coil on plug	Coil on plug
Valve Covers	N/A	2011 Mustang SVT	2011 Mustang SVT
Oil Pan	N/A	Production	Production
Water Pump	N/A	Production	Production
Exhaust Manifolds	N/A	N/A	N/A