

350 New Engine Replacements

Information	Gen 1 19432778	Gen 1E LD 19432780	Gen 1E HD 19432779
	General (Stock Configuration)	General (Stock Configuration)	General (Stock Configuration)
RPO	LO5	L31	L31
Liter Displacement	5.7	5.7	5.7
Cubic Inch Displacement	350	350	350
Bore (inches)	4.000	4.000	4.000
Stroke (inches)	3.480	3.480	3.480
Firing Order	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2
Cylinder Head Material	Cast Iron	Cast Iron	Cast Iron
	Block	Block	Block
Main Bearing Cap Design	4 bolt cast iron	4 bolt cast iron	4 bolt cast iron
Block Part Number	12691718	12691718	12691718
Block Casting Number	10243880	10243880	10243880
Core Plug Material	Stainless Steel	Stainless Steel	Stainless Steel
Deck Height (Inches)	9.025	9.025	9.025
	Camshaft	Camshaft	Camshaft
Material	Cast Iron	Cast Iron	Cast Iron
Camshaft Type	Flat Tappet Lifter	Roller Lifter	Roller lifter
Cam Bearings	New, OE /Spec	New, OE/Spec	New, OE/Spec
Number of Bearings	5	5	5
Type of Drive	Silent Link Chain	Silent Link Chain	Single-row roller chain
	Crankshaft	Crankshaft	Crankshaft
Material	Forged 1053 Steel	Forged 1053 Steel	Forged 1053 Steel
Crank Journal Diameter (inches)	2.750	2.750	2.750
Number of Bearings	5	5	5
Rear Main Seal	1 pc.	1 pc.	1 pc.
Harmonic Ballancer	12551538	10243271	10243271
	Connecting Rods	Connecting Rods	Connecting Rods
Material	Powdered Metal Steel	Powdered Metal Steel	Powdered Metal Steel
Connecting Rod Ratio	1.58:1	1.58:1	1.58:1
Rod Bearings	OE	OE	OE
	Pistons	Pistons	Pistons
Material	Graphite Coated Hypereutectic	Graphite Coated Hypereutectic	Graphite Coated Hypereutectic
	Valve System	Valve System	Valve System
Type of Drive	OHV	OHV	OHV
Lifters	Hydraulic Flat Tappet	Hydraulic Roller	Hydraulic Roller
Valve Rotators	Yes	None	None
Pushrods	Tubular Steel	Tubular Steel	Tubular Steel
RockArm Ratio	1.5:1	1.5:1	1.5:1
	Cylinder Head	Cylinder Head	Cylinder Head
Exhaust Seats	Induction Hardened	Induction Hardened	Alloy Insert
	Valves	Valves	Valves
Intake Valve Material	Steel	Steel	Steel
Intake Face Angle (degrees)	45	45	45
Intake Guides	Integral	Integral	Integral
Intake Head Diameter (inches)	1.94	1.94	1.94
Intake Lift (inches)	0.3850	0.3850	0.3850
Intake Duration (degrees)	194 @ 0.050	191 @ 0.050	191 @ 0.050
Exhaust Valve Material	Steel	Steel	Steel
Exhaust Face	Hardened	Hardened	Hardened
Exhaust Face Angle (degrees)	45	45	45
Exhaust Guides	Integral	Integral	Integral
Exhaust Head Diameter (inches)	1.5	1.5	1.5
Exhaust Lift (inches)	0.4040	0.4280	0.4280
Exhaust Duration (degrees)	202 @ 0.050	196 @ 0.050	196 @ 0.050
	Oil Pump	Oil Pump	Oil Pump
Type	Melling w/screen	Melling w/screen	Melling w/screen
Oil Pressure	Stock	Stock	Stock
Volume	Stock	Stock	Stock