350 New Engine Replacments

Information	Gen 1	Gen 1E LD	Gen 1E HD
	19432778	19432780	19432779
	General (Stock Configuration)	General (Stock Configuration)	General (Stock Configuration)
RPO	LO5	L31	L31
Liter Displacement	5.7	5.7	5.7
Cubic Inch Displacment	350	350	350
Bore (inches)	4.000	4.000	4.000
,	3.480	3.480	3.480
Stroke (inches)			
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
31	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
Haimonic Ballancei			
Motorial	Connecting Rods Powdered Metal Steel	Connecting Rods Powdered Metal Steel	Connecting Rods Powdered Metal Steel
Material Connecting Rod Ratio	1.58:1		
Connecting Rod Ratio	1 58.1	1.58:1	1.58:1
_			
Rod Bearings	OE	OE	OE
Rod Bearings	OE Pistons	OE Pistons	OE Pistons
_	OE Pistons Graphite Coated Hypereutectic	OE Pistons Graphite Coated Hypereutectic	OE Pistons Graphite Coated Hypereutectic
Rod Bearings Material	OE Pistons Graphite Coated Hypereutectic Valve System	OE Pistons Graphite Coated Hypereutectic Valve System	OE Pistons Graphite Coated Hypereutectic Valve System
Rod Bearings Material Type of Drive	OE Pistons Graphite Coated Hypereutectic Valve System OHV	OE Pistons Graphite Coated Hypereutectic Valve System OHV	OE Pistons Graphite Coated Hypereutectic Valve System OHV
Rod Bearings Material Type of Drive Lifters	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller
Rod Bearings Material Type of Drive	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None
Rod Bearings Material Type of Drive Lifters	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller
Rod Bearings Material Type of Drive Lifters Valve Rotators	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Guides	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Guides Exhaust Head Diameter (inches)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral 1.5 Integral 1.5 Integral 1.94 0.3850	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 Integral 1.5
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Head Diameter (inches) Exhaust Head Diameter (inches) Exhaust Head Diameter (inches) Exhaust Head Diameter (inches) Exhaust Lift (inches)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral 1.5 0.4040	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 Integral 1.5 0.4280
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Guides Exhaust Head Diameter (inches)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral 1.5 0.4040 202 @ 0.050	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Guides Exhaust Guides Exhaust Head Diameter (inches) Exhaust Lift (inches) Exhaust Duration (degrees)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral 1.5 0.4040 202 @ 0.050 Oil Pump	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050 Oil Pump	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050 Oil Pump
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Guides Exhaust Guides Exhaust Head Diameter (inches) Exhaust Lift (inches) Exhaust Duration (degrees)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral 1.5 0.4040 202 @ 0.050 Oil Pump Melling w/screen	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050 Oil Pump Melling w/screen	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050 Oil Pump Melling w/screen
Rod Bearings Material Type of Drive Lifters Valve Rotators Pushrods RockArm Ratio Exhaust Seats Intake Valve Material Intake Face Angle (degrees) Intake Guides Intake Head Diameter (inches) Intake Lift (inches) Intake Duration (degrees) Exhaust Valve Material Exhaust Face Exhaust Face Angle (degrees) Exhaust Guides Exhaust Guides Exhaust Head Diameter (inches) Exhaust Lift (inches) Exhaust Duration (degrees)	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Flat Tappet Yes Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 194 @ 0.050 Steel Hardened 45 Integral 1.5 0.4040 202 @ 0.050 Oil Pump	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Induction Hardened Valves Steel 45 Integral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050 Oil Pump	OE Pistons Graphite Coated Hypereutectic Valve System OHV Hydraulic Roller None Tubular Steel 1.5:1 Cylinder Head Alloy Insert Valves Steel 45 Intergral 1.94 0.3850 191 @ 0.050 Steel Hardened 45 Integral 1.5 0.4280 196 @ 0.050 Oil Pump