

383 Truck Engine Specifications:

Peak Horsepower	340 hp @ 4500 RPM
Peak Torque	435 ft.lb. @ 4000 RPM
Displacement:	383 cubic inches
Bore x Stroke:	4.005 inch x 3.80 inch
Compression Ratio	9.1:1
Block:	Cast iron, four-bolt intermediate mains
Cylinder Head:	Cast iron, vortec
Valve Diameter (Intake/Exhaust):	1.94"/1.50"
Chamber Volume:	64cc
Crankshaft:	4340 steel alloy (forged) one-piece rear seal design
Connecting Rods:	5.7" forged, powdered metal, 3/8" studs
Pistons:	Hypereutectic, 244-T5 aluminum alloy with centered pin bore
Camshaft:	Hydraulic roller tappet
Lift:	0.431" intake, 0.451" exhaust
Duration:	196° intake, 206° exhaust @ 0.050" tappet lift
Centerline:	108° ATDC intake, 116° BTDC exhaust
Rocker Arm Ratio:	1.5:1
Timing Chain:	8mm single roller design
Oil Pan:	5 - quart (with new filter)
Oil Pressure (Normal):	40 psig @ 2000 RPM
Oil Filter:	AC Delco part # PF25
Fuel:	Premium unleaded 92 octane or greater
Maximum Engine Recommended Speed:	6000 RPM
Spark Plugs:	R44LTS for general usage; R42LTS for racing
Spark Timing	32° maximum @ 4000 RPM with vacuum advance disconnected
Firing Order:	1-8-4-3-6-5-7-2
Valve Lash Adjustment	1/2 turn down from zero lash

Information may vary with application. All specifications listed are based on the latest production information available at the time of printing.