

See page ii for engine models	5.7L Carbureted	5.7L MPI	383	LSA	LS2/LY6/L96	8.1L MPI
Number of Cylinders	V-8					
Displacement	350 CID (5.7L)		383 CID (6.3L)	376 CID (6.2L)	364 CID (6.0L)	496 CID (8.1L)
Bore/Stroke	4.0012 x 3.480 in. (101.63 x 88.39 mm)		4.0012 x 3.8 in (101.63 x 96.52 mm)	(103.25X 92mm)	3.898 x 3.622 in. (101.6 x 92 mm)	4.25 x 4.37 in. (108 x 111 mm)
Compression Ratio	9.4:1		9.7:1	9.1:1	9.6:1	9.1:1
Compression Pressure	Minimum 100 PSI (690 kPa)					
Idle RPM in Neutral	650 +_ 50 RPM					
Operating Range at WOT	4400-4800 RPM	4600-5200 RPM		5200-5600 RPM		5000-5400 RPM
Oil Pressure at Idle	4 PSI (41 kPa) Minimum Hot					5 PSI (34 kPa) Min
Oil Pressure at 2000 RPM	18 PSI (124 kPa) Minimum Hot					10 PSI (69 kPa) Min
Oil Filter	Pennzoil PZ52			Pennzoil PZ167		AC-PF454 (on engine) Pennzoil PZ52 (remote)
Fuel Pump Pressure	8 PSI Max (55.2 KpA)	60 PSI Min at Keyup (414 kPa)				
Electrical System	12 Volt DC Negative (-) Ground					
Minimum Battery Requirements	650 cca/700 mca/120Ah					
Firing Order	1-8-4-3-6-5-7-2			1-8-7-2-6-5-4-3		
Spark Plug Type	AC 41-101			AC 41-110	AC 41-983	
Spark Plug Gap	.030 in. (.76 mm)	.040 in. (1.02 mm)		.040 in. (1.02 mm)		
Base Timing at 1000 RPM	10 Degrees BTDC	Non Adjustable				
Thermostat	160 Degrees F (71 Degrees C)					
Fluid Capacities						
Crankcase (With Filter)	5.5 Quarts (5.25 L)			8.5 Quarts (8.0L)	6.0 Quarts (5.7L)	10 Quarts (9.5L)
Closed Cooling System	12-14 Quarts (11.4-13.3 L)					14-16 Quarts (13.2-15.1L)
In-Line 1:1 Transmission	1.7 Quarts (1.6 L) Dexron 3 ATF					4.2 Quarts (4L) 15W40
In-Line Reduction Gear	2.12 Quarts (2 L) Pennzoil 15W40					4.2 Quarts (4L) 15W40
ZF Ski Vee Transmission	2.12 qt (2 L) Main Gearbox, 1.0 qt (1.06 L) V-drive - Dexron 3					
ZF V-Drive Transmission	4.2 Quarts (4 L) Pennzoil 15W40					
Walter V-Drive	.5 Quart (.5 L) Pennzoil SAE 30 Motor Oil					