

SO
Specifications



ENGINE: 3.0-LITER HURRICANE TWIN-TURBO I-6 - SO

Type and Description	In-line 6 cylinder (I-6), Twin Turbocharged, Direct Injection, Gasoline
Displacement, cu. in. (cu. cm.)	183 (2,993)
Bore x Stroke, in. (mm)	3.31 x 3.54 (84.0 x 90.0)
Valve System	DOHC, Dual independent valve timing, hydroformed tubular camshafts, 24 valves with sodium-filled exhaust valves, roller finger followers, hydraulic lash adjusters
Fuel Injection	Gasoline direct injection, centrally located injectors, single high pressure pump providing up to 5,075 psi (350 bar) to a single fuel rail
Lubrication	Chain driven pump assembly with continuously variable displacement vane type pressure stage and single gerotor type scavenge stage, 6 pressure activated piston cooling jets, oil to coolant heat exchanger, oil level sensor

ENGINE: 3.0-LITER HURRICANE TWIN-TURBO I-6 - SO (CONTINUED)

Cooling	Dual (high temp./low temp.) circuits: High temp. circuit with belt driven pump, low restriction ball-valve thermostat, electrically driven after-run pump for turbochargers Low temp. circuit for charge air cooler with electrically driven pump
Construction	Deep-skirt cast-aluminum block with cross-bolted steel main bearing caps, low friction plasma spray-bore coated cylinders, structural die-cast aluminum alloy oil pan, aluminum alloy head with pent-roof combustion chambers, forged and twisted steel crankshaft, forged steel connecting rods, die cast aluminum alloy pistons with DLC coated piston pins
Firing Order	1 - 5 - 3 - 6 - 2 - 4
Compression Ratio	10.4:1
Power (SAE J2723)	More than 400 hp
Torque (SAE J2723)	More than 450 lb.ft.
Max. Engine Speed	5,800 rpm (electronically limited)
Peak Boost	22.4 PSI
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity, qt. (liter)	7.5 (7.1) Oil change with filter
Coolant Capacity, qt. (liter)	High Temp. Circuit: 16.6 (15.7) Low Temp. Circuit: 2.85 (2.70)
Factory Oil Fill	Pennzoil Ultra Platinum 0W-20 GF6+ (API SP)
Emission Controls	Dual close-coupled 2 stage three-way catalytic converters, quad heated oxygen sensors, cooled exhaust gas recirculation and internal engine features
EPA Fuel Economy mpg (city/hwy/combined)	TBA
Assembly Plant	Saltillo North Engine Plant, Saltillo, Mexico