| 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 scavenging stage, 6 pressure activated piston cooling jets, oil to coolant heat exchanger, oil level sensor |
### 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