

# ENGINE OILING

## ENGINE LUBRICATION SYSTEM

Engine lubrication system is a force-feed type. Oil is supplied under full pressure to crankshaft, connecting rods, camshaft bearing and valve lifters. A controlled volume of oil is supplied to rocker arms and push rods. All other moving parts are lubricated by splash or gravity flow. Oil flows through oil filter before entering main oil gallery.

### Crankcase Capacity

Crankcase capacity is 5 qts. (4.75L). Add one additional qt. (.95L) when replacing oil filter.

### Oil Pressure

Oil pressure specifications are unavailable from manufacture.

## OIL PUMP

### Removal

Raise and support vehicle. Drain engine oil. Remove oil filter. Remove oil pump retaining bolts. Remove oil pump and "O" ring.

### Inspection

Inspect components for damage and wear. Measure gear end height and radial clearance. Replace oil pump assembly if measurements are not within specification. See **OIL PUMP SPECIFICATIONS** table.

### OIL PUMP SPECIFICATIONS

Application	In. (mm)
Gear End Height	.0004-.0033 (.010-.083)
Gear Radial Clearance	.002-.006 (.05-.15)

**NOTE:** Oil pump is serviced as an assembly only. Replace assembly if measurements are not to specifications.

### Reassembly & Installation

1. To reassemble, reverse disassembly procedure. Ensure components are installed in original location. To install, prime oil pump by filling inlet opening with oil, and rotating pump shaft until oil emerges from outlet opening.
2. Install and tighten oil pump-to-front cover bolts to specification. See **TORQUE SPECIFICATIONS**. To complete installation, reverse removal procedure.

**CAUTION:** If pump and drive shaft do not seat readily, DO NOT force into position. Realign oil pump hex drive with oil pump drive shaft and reinstall.