

OIL FILTER (Continued)

INSTALLATION

- (1) Lightly lubricate oil filter gasket with engine oil or chassis grease.
- (2) Thread filter onto adapter nipple. When gasket makes contact with sealing surface, (Fig 75) hand tighten filter one full turn, do not over tighten.
- (3) Add oil, verify crankcase oil level and start engine. Inspect for oil leaks.

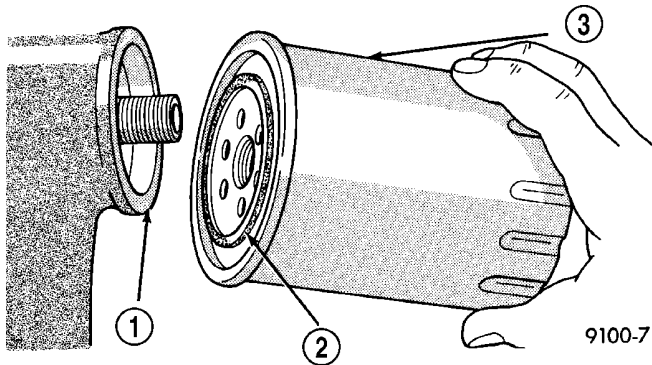


Fig. 75 Oil Filter Sealing Surface—Typical

- 1 - SEALING SURFACE
- 2 - RUBBER GASKET
- 3 - OIL FILTER

OIL PAN

DESCRIPTION

The oil pan is made of stamped steel. The oil pan gasket is a one piece steel backbone silicone coated gasket (Fig 76).

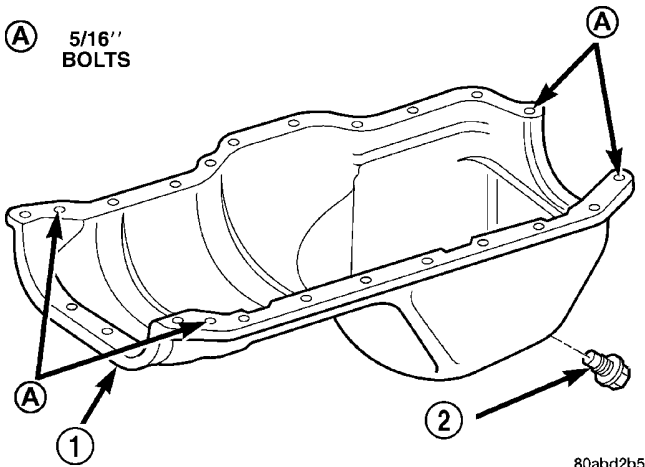


Fig. 76 Oil Pan

- 1 - OIL PAN
- 2 - OIL PAN DRAIN PLUG

REMOVAL

- (1) Disconnect negative cable from battery.
- (2) Raise the vehicle.

- (3) Remove the oil pan drain plug and drain the engine oil.
- (4) Disconnect the exhaust pipe at the exhaust manifold.
- (5) Disconnect the exhaust hanger at the catalytic converter and lower the pipe.
- (6) Remove the starter motor. (Refer to 8 - ELECTRICAL/STARTING/STARTER MOTOR - REMOVAL).
- (7) Remove the engine flywheel and transmission torque converter housing access cover.
- (8) If equipped with an oil level sensor, disconnect the sensor.
- (9) Position a jack stand directly under the engine vibration damper.
- (10) Place a piece of wood (2 x 2) between the jack stand and the engine vibration damper.
- (11) Remove the engine mount through bolts.
- (12) Using the jack stand, raise the engine until adequate clearance is obtained to remove the oil pan.
- (13) Remove transmission oil cooling lines (if equipped) and oxygen sensor wiring supports that are attached to the oil pan studs.
- (14) Remove the oil pan bolts and studs. Carefully slide the oil pan and gasket to the rear. If equipped with an oil level sensor, take care not to damage the sensor.

INSTALLATION

- (1) Clean the block and pan gasket surfaces.
- (2) Fabricate 4 alignment dowels from 1 1/2 x 1/4 inch bolts. Cut the head off the bolts and cut a slot into the top of the dowel. This will allow easier installation and removal with a screwdriver (Fig 77).

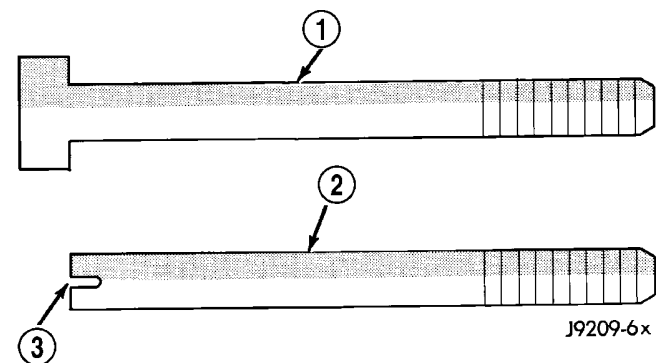


Fig. 77 Fabrication of Alignment Dowels

- 1 - 1/4" x 1 1/2" BOLT
- 2 - DOWEL
- 3 - SLOT

- (3) Install two dowels in the timing case cover. Install the other two dowels in the cylinder block (Fig 78).