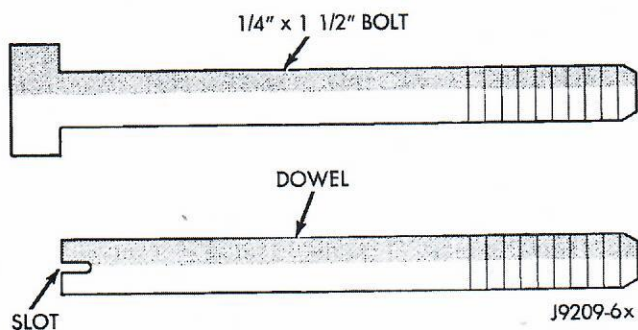


**REMOVAL AND INSTALLATION (Continued)**

(11) Remove the oil pan fasteners. Carefully remove the oil pan and gasket.

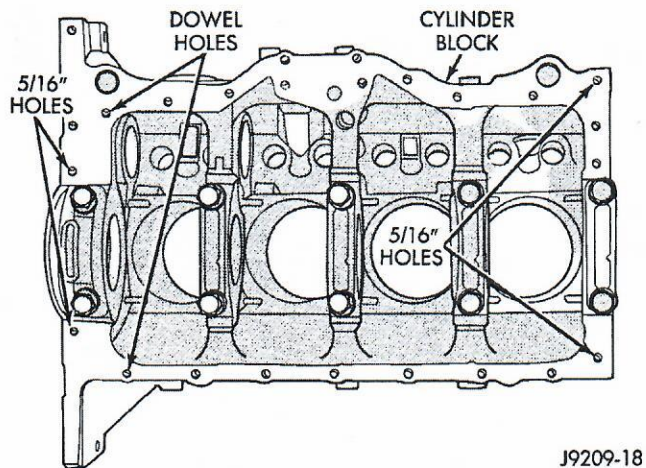
**INSTALLATION**

- (1) Clean the block and pan gasket surfaces.
- (2) Fabricate 4 alignment dowels from 1/4 x 1 1/2 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. 58).

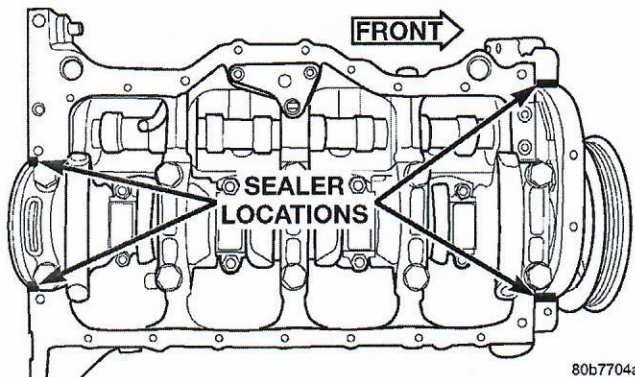
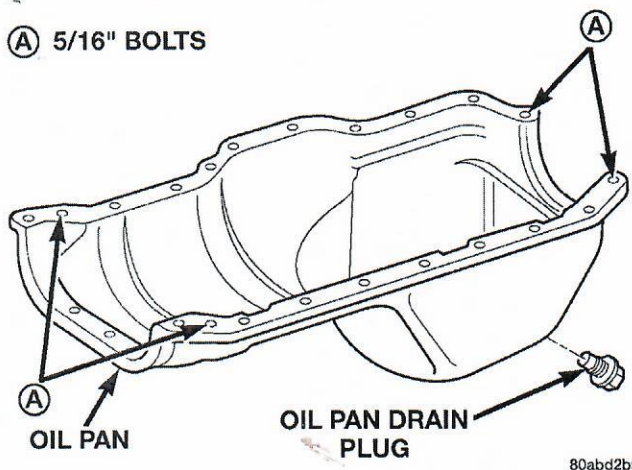
**Fig. 58 Fabrication of Alignment Dowels**

(3) Install two dowels in the timing case cover. Install the other two dowels in the cylinder block (Fig. 59).

(4) Apply Mopar® Silicone Rubber Adhesive Sealant on cylinder block to rear main bearing cap corners and cylinder block to front cover joints (four places).

**Fig. 59 Position of Dowels in Cylinder Block**

- (5) Slide the one-piece gasket over the dowels and onto the block and timing case cover.
- (6) Position the oil pan over the dowels and onto the gasket.
- (7) Install the 1/4 inch oil pan fasteners. Tighten these fasteners to 9.5 N·m (84 in. lbs.) torque. Install the 5/16 inch oil pan fasteners (Fig. 61). Tighten these fasteners to 15 N·m (132 in. lbs.) torque.

**Fig. 60 Oil Pan Sealer Locations****Fig. 61 Position of 5/16 inch Oil Pan Bolts**

(8) Remove the dowels. Install the remaining 1/4 inch oil pan fasteners and tighten to 9.5 N·m (84 in. lbs.).

(9) Lower the engine until it is properly located on the engine mounts.

(10) Install the through bolts and tighten the nuts.

(11) Lower the jack stand and remove the piece of wood.

(12) Install the flywheel and torque converter housing access cover.

(13) Install the engine starter motor.

(14) Connect the exhaust pipe to the hanger and to the engine exhaust manifold.

(15) Install transmission oil cooling lines (if equipped) and oxygen sensor wiring supports that attach to the oil pan studs.

(16) Install the oil pan drain plug (Fig. 61). Tighten the plug to 34 N·m (25 ft. lbs.) torque.

(17) Lower the vehicle.

(18) Connect negative cable to battery.

(19) Fill the oil pan with engine oil to the specified level.