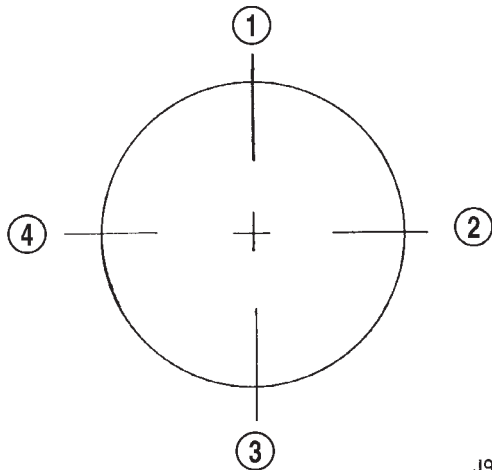


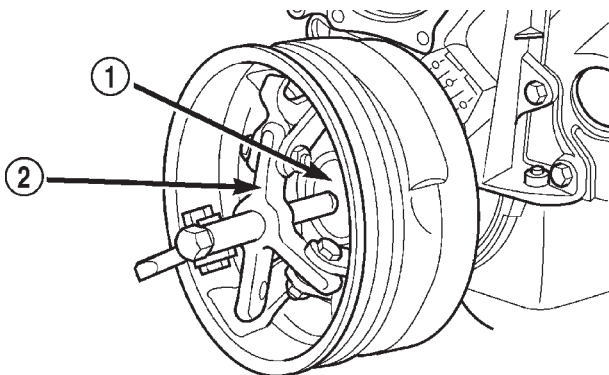
VIBRATION DAMPER (Continued)

J9309-80

Fig. 42 Proper Ring Installation

- 1 - OIL RING SPACER GAP
- 2 - SECOND COMPRESSION RING GAP OIL RING RAIL GAP (TOP)
- 3 - OIL RING RAIL GAP (BOTTOM)
- 4 - TOP COMPRESSION RING GAP

(6) Install Special Tool 1026 Three Jaw Puller onto the vibration damper (Fig. 43).



80c0722d

Fig. 43 Vibration Damper Removal

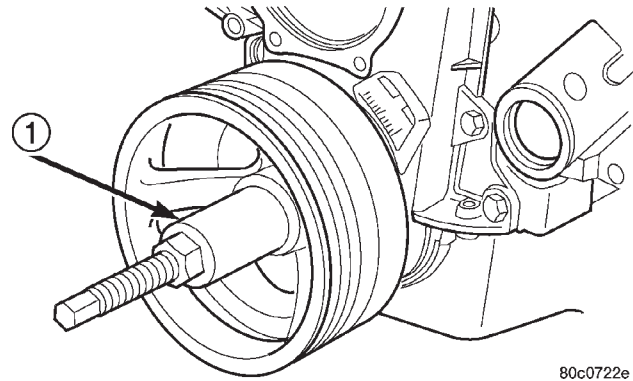
- 1 - SPECIAL TOOL 8513 INSERT
- 2 - SPECIAL TOOL 1026

(7) Pull vibration damper off of the crankshaft.

INSTALLATION

CAUTION: Thoroughly remove any contaminants from the crankshaft nose and the vibration damper bore. Failure to do so can cause sever damage to the crankshaft.

- (1) Position the vibration damper onto the crankshaft.
- (2) Place installing tool, part of Puller Tool Set C-3688 in position and press the vibration damper onto the crankshaft (Fig. 44).



80c0722e

Fig. 44 Vibration Damper Installation

- 1 - SPECIAL TOOL C-3688

(3) Install the crankshaft bolt and washer. Tighten the bolt to 244 N·m (180 ft. lbs.) torque.

(4) Install the accessory drive belt (Refer to 7 - COOLING/ACCESSORY DRIVE/DRIVE BELTS - INSTALLATION).

(5) Position the fan shroud and install the bolts. Tighten the retainer bolts to 11 N·m (95 in. lbs.) torque.

(6) Install the cooling fan (Refer to 7 - COOLING/ENGINE/FAN DRIVE VISCOUS CLUTCH - INSTALLATION).

(7) Connect the battery negative cable.

FRONT MOUNT**REMOVAL**

- (1) Disconnect the battery negative cable.
- (2) Position fan to ensure clearance for radiator top tank and hose.

CAUTION: DO NOT lift the engine by the intake manifold.

- (3) Install engine support/lifting fixture.
- (4) Raise vehicle on hoist.
- (5) Lift the engine SLIGHTLY and remove the thru-bolt and nut (Fig. 45).
- (6) Remove engine support bracket/cushion bolts (Fig. 45). Remove the support bracket/cushion and heat shields.

INSTALLATION

- (1) With engine raised SLIGHTLY, position the engine support bracket/cushion and heat shields to the block. Install new bolts and tighten to 81 N·m (60 ft. lbs.) torque.
- (2) Install the through-bolt into the engine support bracket/cushion.
- (3) Lower engine with support/lifting fixture while guiding the engine bracket/cushion and through-bolt into support cushion brackets (Fig. 46).