

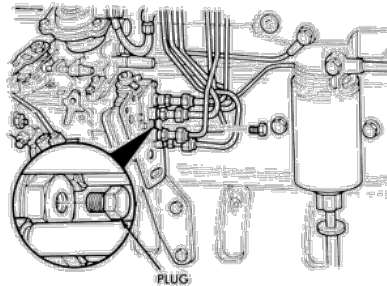
1992 Dodge D250 PICKUP

Submodel: | Engine Type: L6 | Liters: 5.9

Fuel Delivery: FI | Fuel: DIESEL

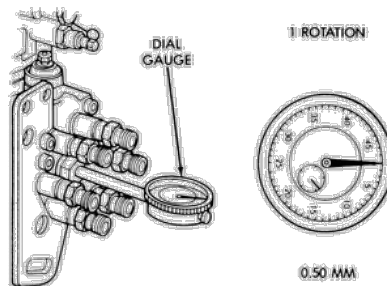
1. Install the barring tool into the flywheel housing opening on the exhaust side of the engine. Place a $\frac{1}{2}$ in. drive universal joint in the tool and attach enough extensions to the joint to make it convenient to turn the tool.

Fig. 1: Location of the injection pump timing indicator plug



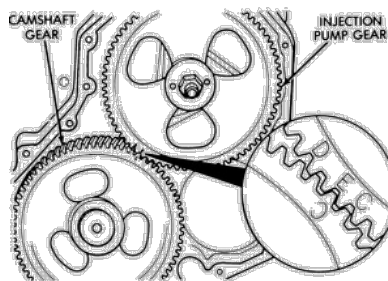
2. Using a ratchet to turn the barring tool, turn the engine until the keyway on the fuel pump shaft is pointing approximately in the six o'clock position.

Fig. 2: Check the injection pump timing with the timing gauge installed



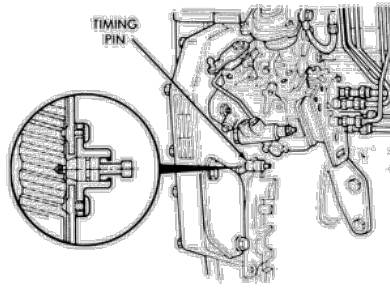
3. Locate TDC for cylinder No. 1 by turning the engine slowly while pushing in on the TDC pin. Stop turning the engine as soon as the pin engages with the gear timing hole. Disengage the pin after locating TDC.

Fig. 3: Injection pump timing gear alignment



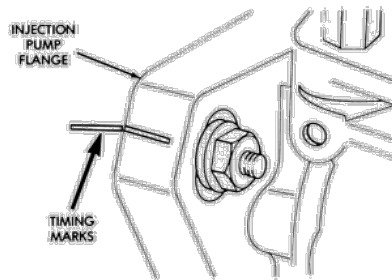
4. Remove the plug from the end of the pump.
5. Install the special timing indicator, allowing for adequate indicator pin travel. It may be necessary to disconnect one or more fuel lines to properly install the indicator.
NOTE: The indicator is marked in increments of 0.01mm. One revolution of the indicator needle is equal to 0.050mm.
6. Turn the engine counterclockwise until the indicator needle stops moving. Adjust the indicator face to read zero.
7. Rotate the engine back to TDC and count the number of revolutions of the indicator needle. The reading shown when the engine timing pin engages is the amount of the pump's plunger lift at that point.

Fig. 4: Location of the timing pin



-
8. Readjust the indicator face to read zero. Loosen the pump mounting nuts and rotate the pump clockwise toward the cylinder head until the indicator reads the correct value for plunger lift (the reading in Step 7). Tighten the mounting nuts to 18 ft. lbs. (24 Nm).

Fig. 5: Injection pump timing marks



-
9. Remove the engine turning equipment and timing indicator. Install the timing plug and tighten to 7.5 ft. lbs. (10 Nm). Connect any fuel lines that were disconnected.
 10. Road test the vehicle.