CRANKSHAFT POSITION SENSOR - ...

CRANKSHAFT POSITION SENSOR - 4.0L ENGINE

The Crankshaft Position (CKP) sensor is mounted to the transmission bellhousing at the left/rear side of the engine block CKP Sensor - 4.0L 6-Cylinder Engine The sensor **is adjustable** and is attached with one bolt. A wire shield/router is attached to the sensor CKP Sensor - 4.0L 6-Cylinder Engine

REMOVAL

1. Disconnect sensor pigtail harness (3 - way connector) from main engine wiring harness.
2. Remove sensor mounting bolt.
3. Remove wire shield and sensor.

INSTALLATION

4.0L engines with automatic transmission:

New replacement sensors will be equipped with a paper spacer glued to bottom of sensor. If installing (returning) a **used** sensor to vehicle, a new paper spacer must be installed to bottom of sensor. This spacer will be ground off the first time engine is started. If spacer is not used, sensor will be broken the first time engine is started.

1. New Sensors: Be sure paper spacer is installed to bottom of sensor. If not, obtain spacer PN05252229.
2. Used Sensors: Clean bottom of sensor and install spacer PN05252229.
3. Install sensor into transmission bellhousing hole.
4. Position sensor wire shield to sensor CKP Sensor - 4.0L 6-Cylinder Engine
5. Push sensor against flywheel/drive plate. With sensor pushed against flywheel/drive plate, tighten mounting bolt to 7 N·m (60 in. lbs.) torque.
6. Route sensor wiring harness into wire shield.
7. Connect sensor pigtail harness electrical connector to main wiring harness.

Portions of materials contained herein are sourced from Chrysler Corporation.

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