

CRANKSHAFT POSITION (CKP) SENSOR REMOVAL/INSTALLATION [LF]

B3E014018230W02

Removal

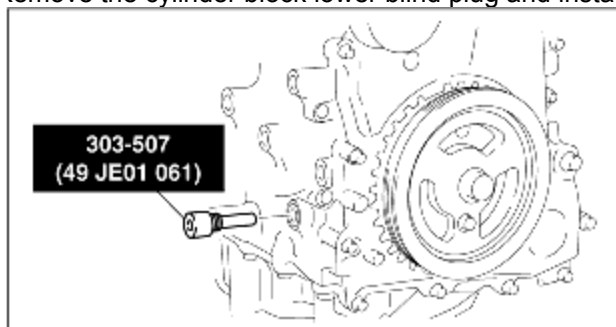
1. Remove the battery cover.
2. Disconnect the negative battery cable.
3. Remove the plug hole cover.
4. Perform the following procedure for easier access.
 - (1) Remove the front tire (RH).
 - (2) Remove the splash shield.
5. Disconnect the CKP sensor connector.
6. Remove the installation bolt and remove the CKP sensor.

Installation

Caution

- When replacing the CKP sensor, make sure there is no foreign material on it such as metal shavings. If it is installed with foreign material, the sensor output signal will malfunction resulting from fluctuation in magnetic flux and cause a deterioration in engine control.
- Do not install the CKP sensor using any method except for the following, or do not change the installation position. It might cause a deterioration in engine control for ignition timing and fuel injection.

1. Perform the following procedure so that cylinder No.1 is at TDC.
 - (1) Remove the cylinder block lower blind plug and install the **SST**.



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- (2) Rotate the crankshaft pulley clockwise until the crank weight contacts the **SST** so that cylinder No.1 is at TDC.
2. Mark the center line on the pulse wheel teeth of the crankshaft pulley (9th tooth counting counterclockwise from the empty space) using a ruler.

Caution

- An inaccurately placed center line will cause improper installation resulting in a deterioration in engine control for ignition timing and fuel injection. Mark the center line carefully.

3. Install the CKP sensor where the center line marked in Step 2 and the CKP sensor center line are aligned.
4. Tighten the CKP sensor installation bolt.

Tightening torque**5.5-7.5 N·m {56-76 kgf·cm, 49-66 in·lbf}**

5. Remove the **SST** and install the blind plug.

Tightening torque**18-22 N·m {1.9-2.2 kgf·m, 14-16 ft·lbf}**