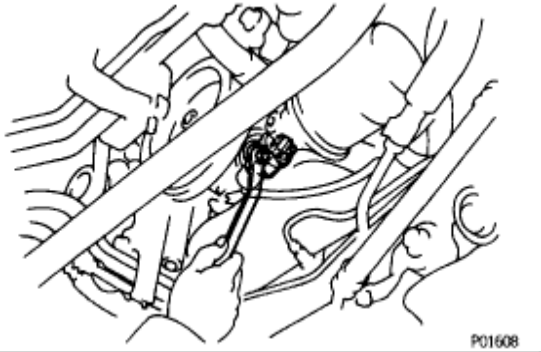


PROCEDURE

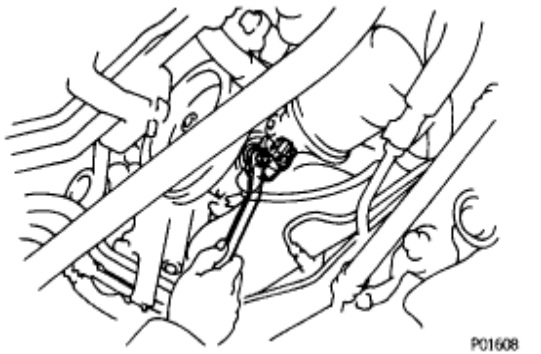
Removal

1. Disconnect negative terminal cable from battery. **CAUTION:** Work must be started after 90 seconds from the time the [ignition switch](#) is turned to the LOCK position and the negative (-) terminal cable is disconnected from the battery.
2. Remove engine under cover. The Crankshaft Position Sensor is located at the front of the engine near the front pulley.
3. Disconnect crankshaft position sensor connector.



4. Remove the bolt and crankshaft position sensor.

Installation



1. Install the crankshaft position sensor with the bolt. **Torque: 6.4 N.m (56 in.lb.)**
2. Connect crankshaft position sensor connector.
3. Install engine under cover.
4. Connect negative terminal cable to battery.

CRANKSHAFT POSITION SENSOR INSPECTION

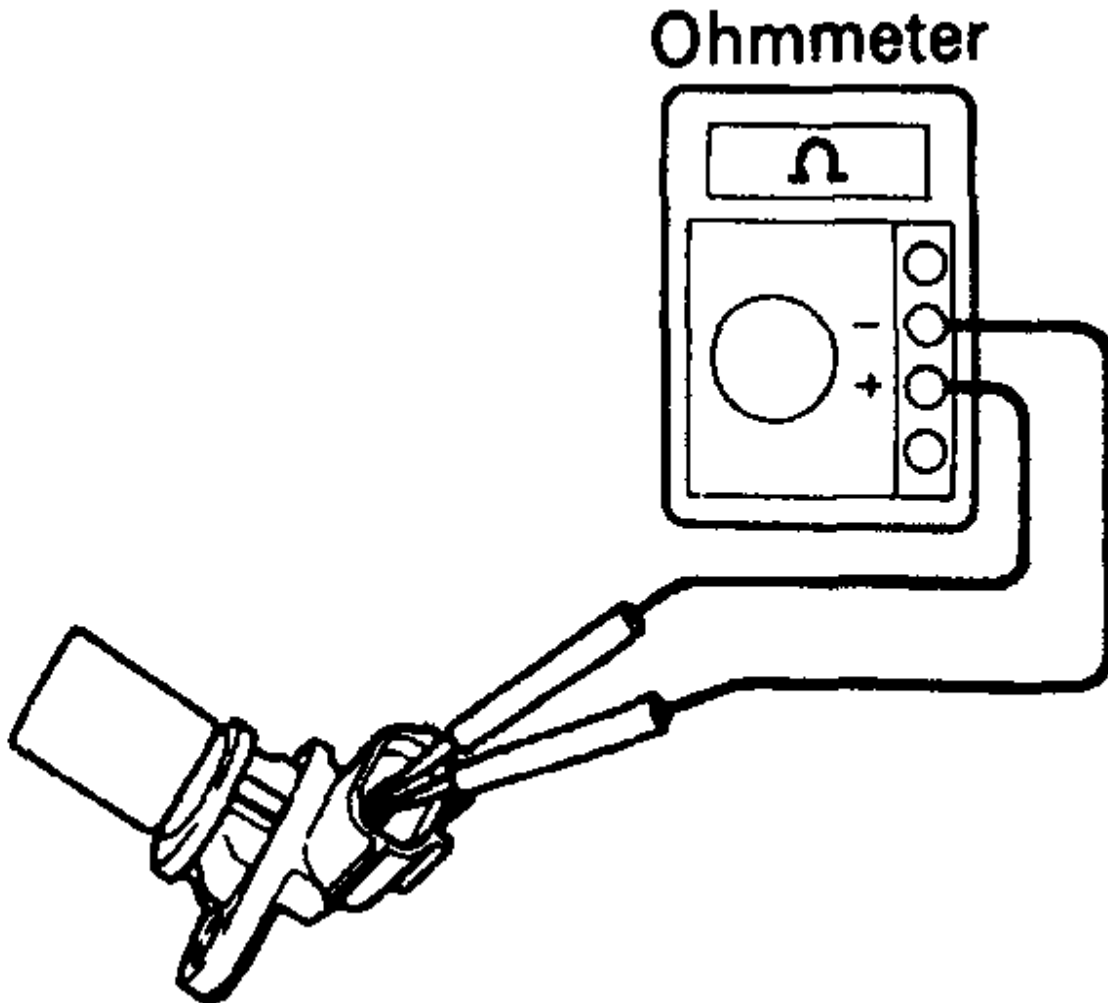
NOTICE: Cold and Hot in those sentences express the temperature of the sensors themselves.

Cold is from - 10°C (14°F) to 50°C (122°F).
Hot is from 50°C (122°F) to 100°C (212°F).

1. REMOVE CRANKSHAFT POSITION SENSOR.

- Refer to crankshaft position sensor service procedures.

2. INSPECT CRANKSHAFT POSITION SENSOR RESISTANCE.



- Using an ohmmeter, measure the resistance between terminals.

Resistance:

- **Cold: 835 - 1,400 Ohms**
- **Hot: 1,060 - 1,645 Ohms**

If the resistance is not as specified, replace the crankshaft position sensor.