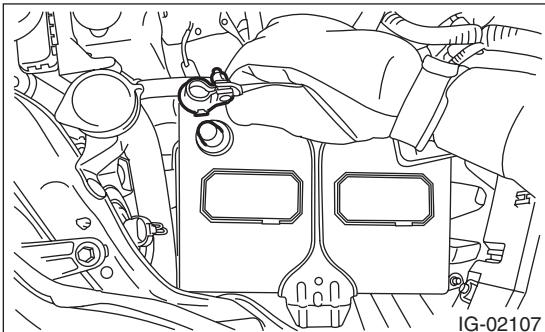


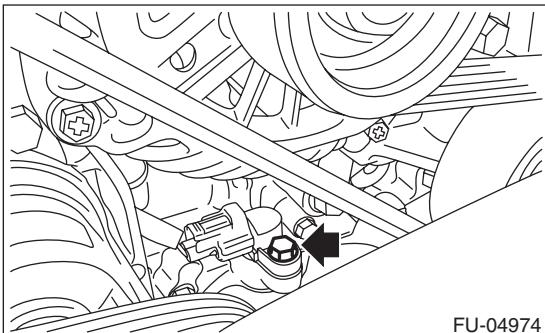
## 5. Crankshaft Position Sensor

### A: REMOVAL

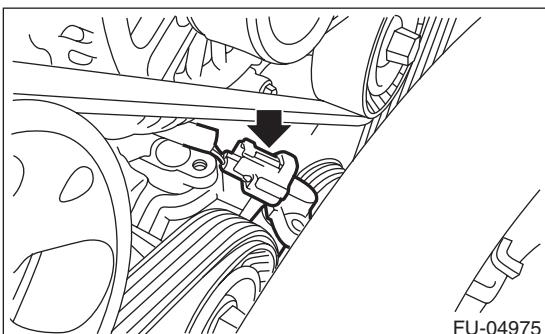
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.



- 3) Remove the bolt which secures crankshaft position sensor to oil pump.



- 4) Remove the crankshaft position sensor, and disconnect the connector from the crankshaft position sensor.

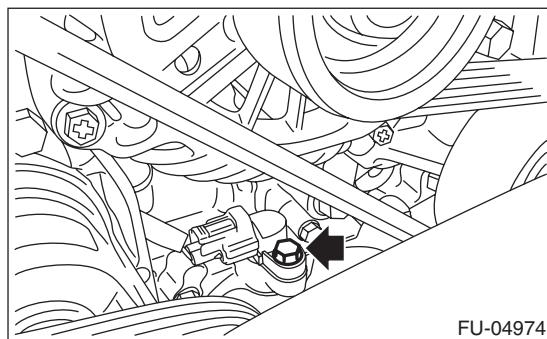


### B: INSTALLATION

Install in the reverse order of removal.

#### *Tightening torque:*

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

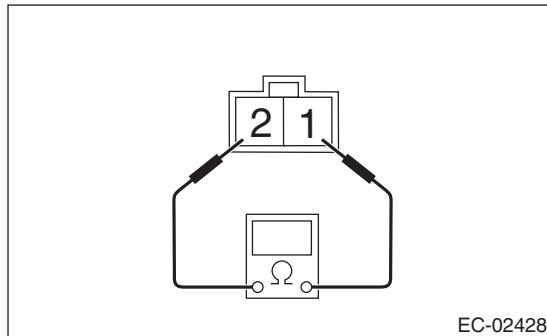


FU-04974

### C: INSPECTION

#### 1. CRANKSHAFT POSITION SENSOR (METHOD WITH CIRCUIT TESTER)

- 1) Measure the resistance between crankshaft position sensor terminals.

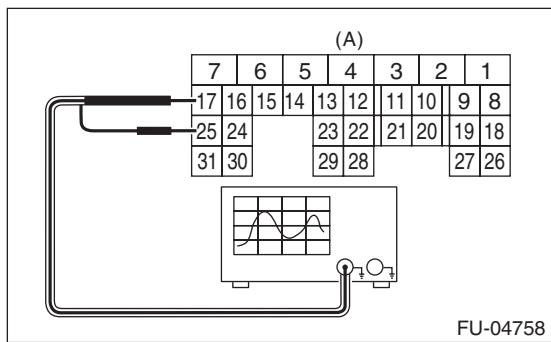


EC-02428

Terminal No.	Standard
1 and 2	$2.04 \pm 0.204 \text{ k}\Omega$

## 2. CRANKSHAFT POSITION SENSOR (METHOD WITH OSCILLOSCOPE)

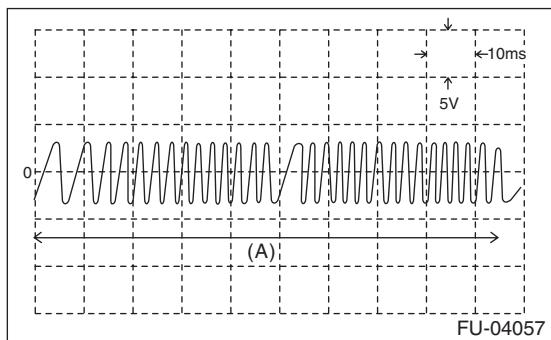
- 1) Prepare an oscilloscope.
- 2) Remove the glove box lid assembly. <Ref. to EI-65, REMOVAL, Glove Box.>
- 3) Connect the probe to ECM connector.



(A) To ECM connector

Terminal No.	Probe
17	+
25	-

- 4) Start the engine and let it idle.
- 5) Check that the pattern is the same as the waveform and voltage shown below.



(A) One crankshaft rotation

- 6) After inspection, install the related parts in the reverse order of removal.

## 3. OTHER INSPECTIONS

Check that the crankshaft position sensor has no deformation, cracks or other damages.