

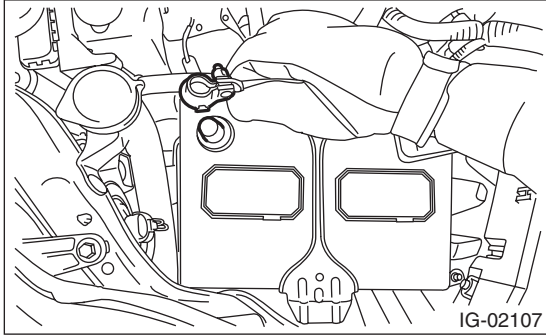
Crankshaft Position Sensor

FUEL INJECTION (FUEL SYSTEMS)

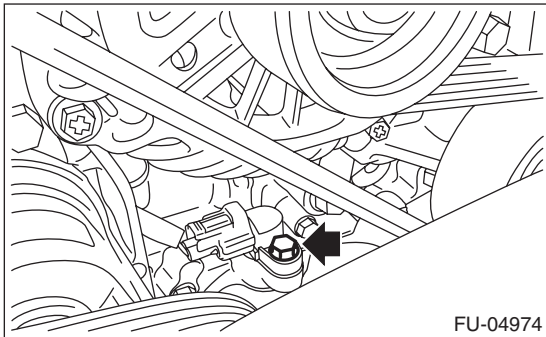
5. Crankshaft Position Sensor

A: REMOVAL

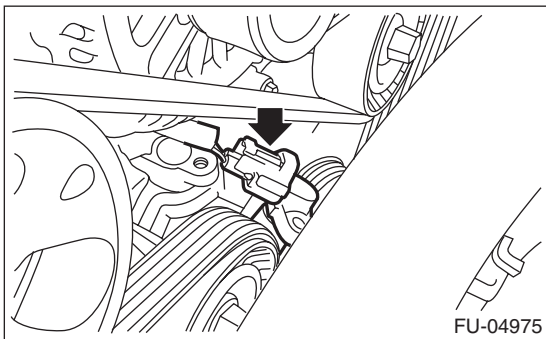
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.



- 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.

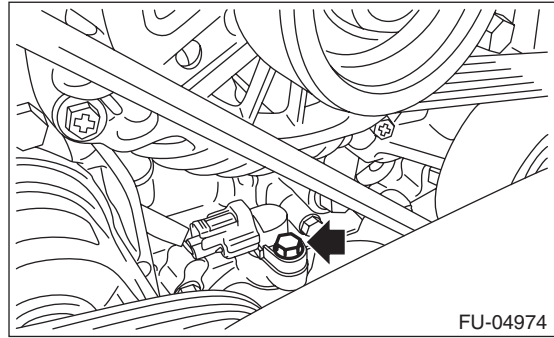


B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

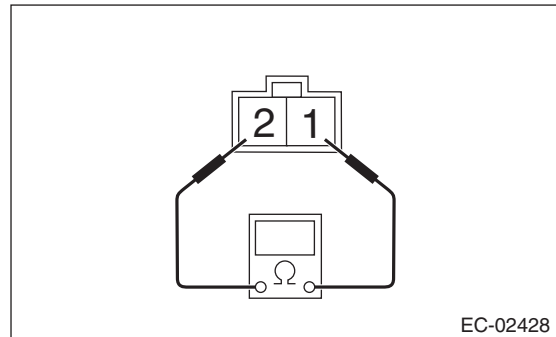
6.4 N·m (0.7 kgf-m, 4.7 ft-lb)



C: INSPECTION

1. CRANKSHAFT POSITION SENSOR (METHOD WITH CIRCUIT TESTER)

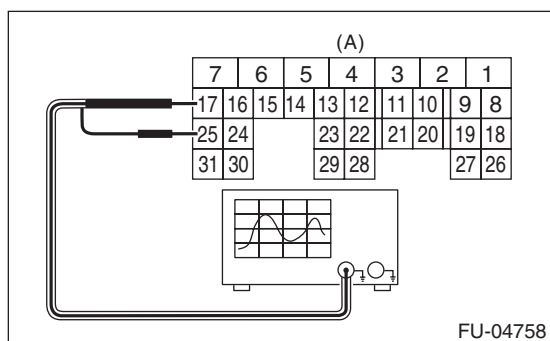
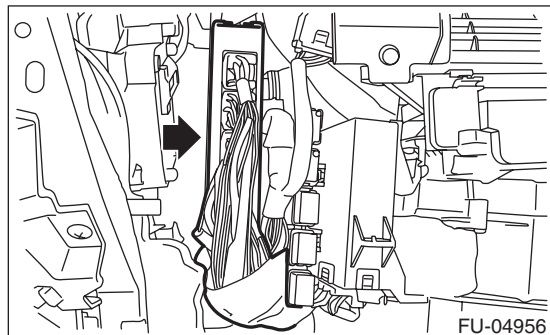
- 1) Measure the resistance between crankshaft position sensor terminals.



Terminal No.	Standard
1 and 2	2.04±0.204 kΩ

2. CRANKSHAFT POSITION SENSOR (METHOD WITH OSCILLOSCOPE)

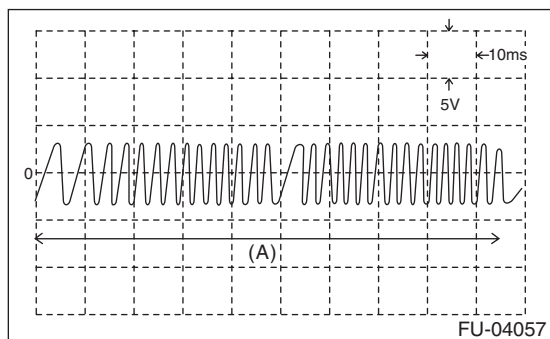
- 1) Prepare an oscilloscope.
- 2) Remove the glove box lid assembly. <Ref. to EI-65, REMOVAL, Glove Box.>
- 3) Connect the probe to ECM connector.



(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 wave-form 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.