

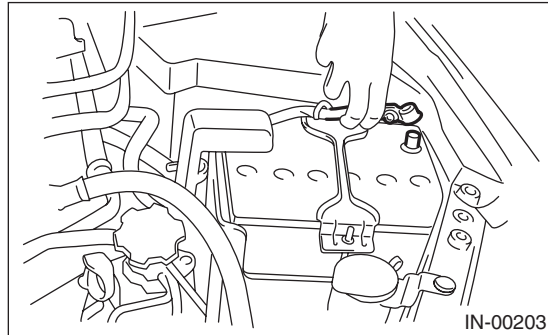
Crankshaft Position Sensor

FUEL INJECTION (FUEL SYSTEMS)

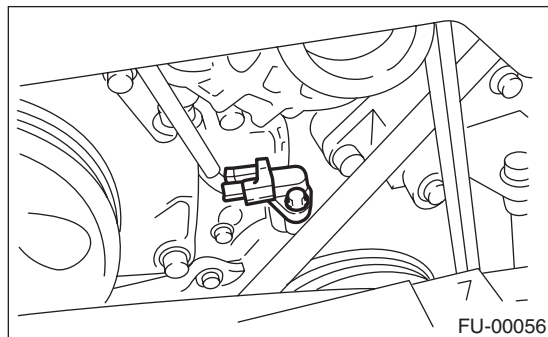
5. Crankshaft Position Sensor

A: REMOVAL

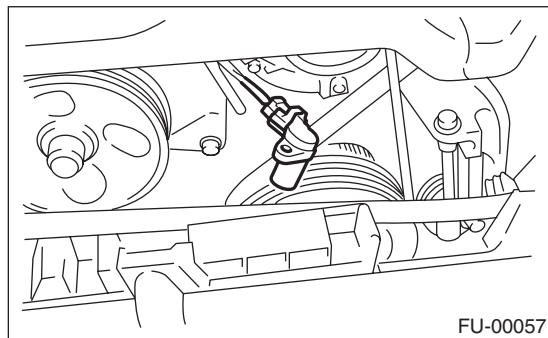
- 1) Disconnect the ground cable from battery.



- 2) Remove the bolt which secures crankshaft position sensor to cylinder block.



- 3) Remove the crankshaft position sensor, and then disconnect the connector from it.

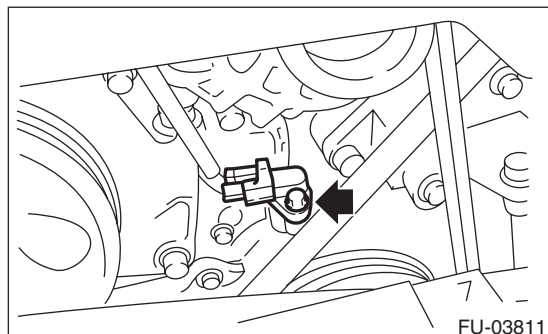


B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

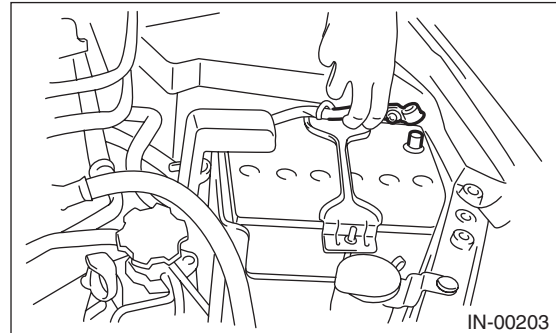
6.4 N·m (0.7 kgf·m, 4.7 ft·lb)



C: INSPECTION

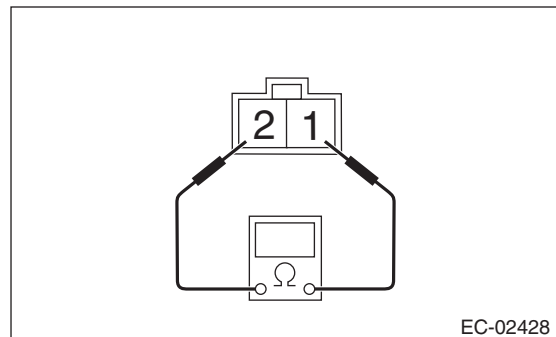
1. CRANKSHAFT POSITION SENSOR (METHOD WITH CIRCUIT TESTER)

- 1) Disconnect the ground cable from battery.



- 2) Remove the crankshaft position sensor. <Ref. to FU(H4SO)-26, REMOVAL, Crankshaft Position Sensor.>

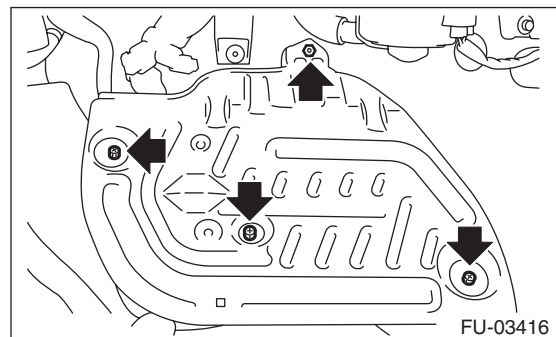
- 3) Measure the resistance between crankshaft position sensor terminals.



Terminal No.	Standard
1 and 2	2.04±0.204 kΩ

2. CRANKSHAFT POSITION SENSOR (METHOD WITH OSCILLOSCOPE)

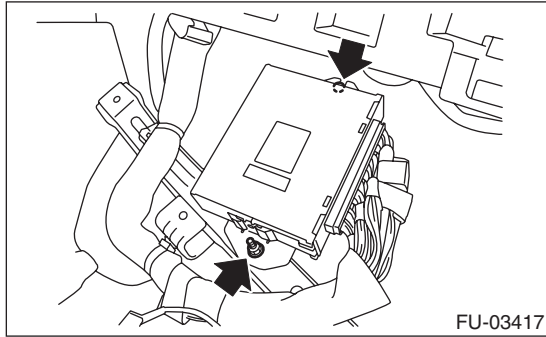
- 1) Prepare an oscilloscope.
- 2) Remove the glove box lower cover. <Ref. to EI-47, REMOVAL, Glove Box.>
- 3) Remove the lower inner trim of passenger's side. <Ref. to EI-55, REMOVAL, Lower Inner Trim.>
- 4) Turn over the floor mat of passenger's seat.
- 5) Remove the protect cover.



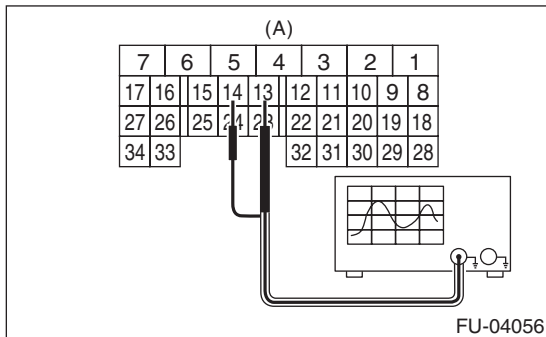
Crankshaft Position Sensor

FUEL INJECTION (FUEL SYSTEMS)

6) Remove the nuts and bolts which hold the ECM to the bracket.



7) Connect the probe to ECM connector.

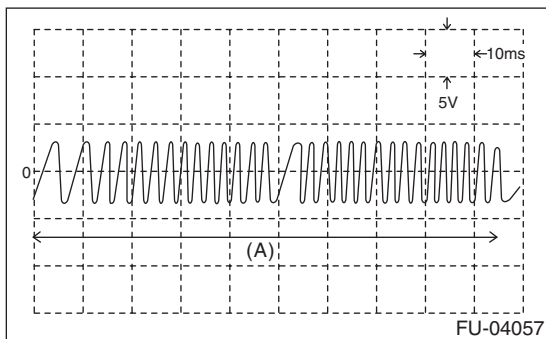


(A) To ECM connector

Terminal No.	Probe
13	+
14	-

8) Start the engine and let it idle.

9) Check the pattern is the same as the waveform and voltage shown below.



(A) One crankshaft rotation