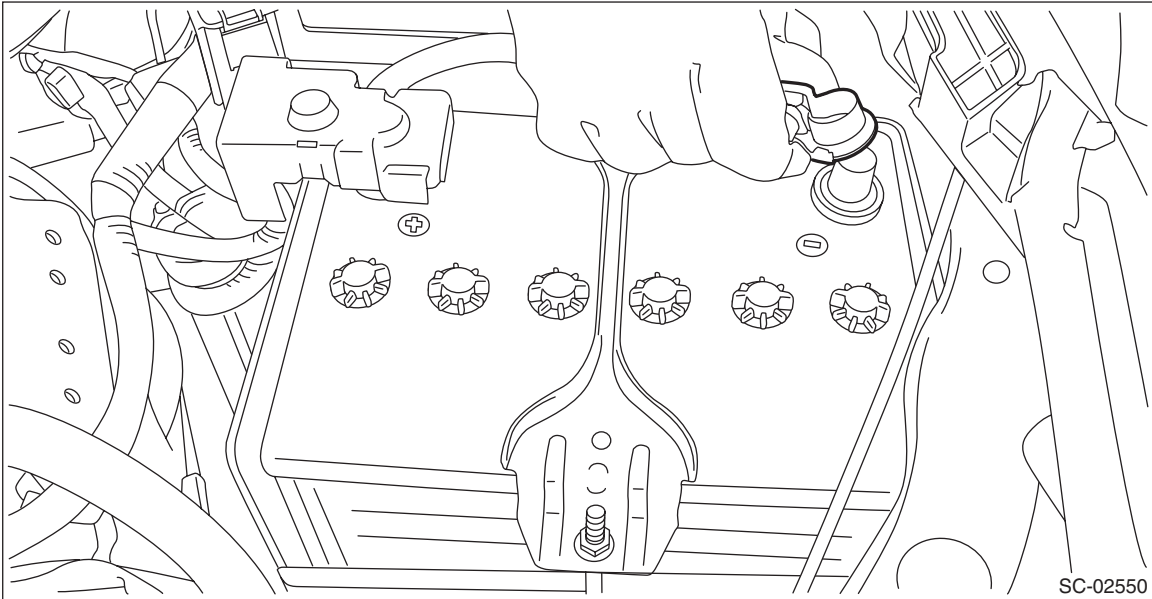


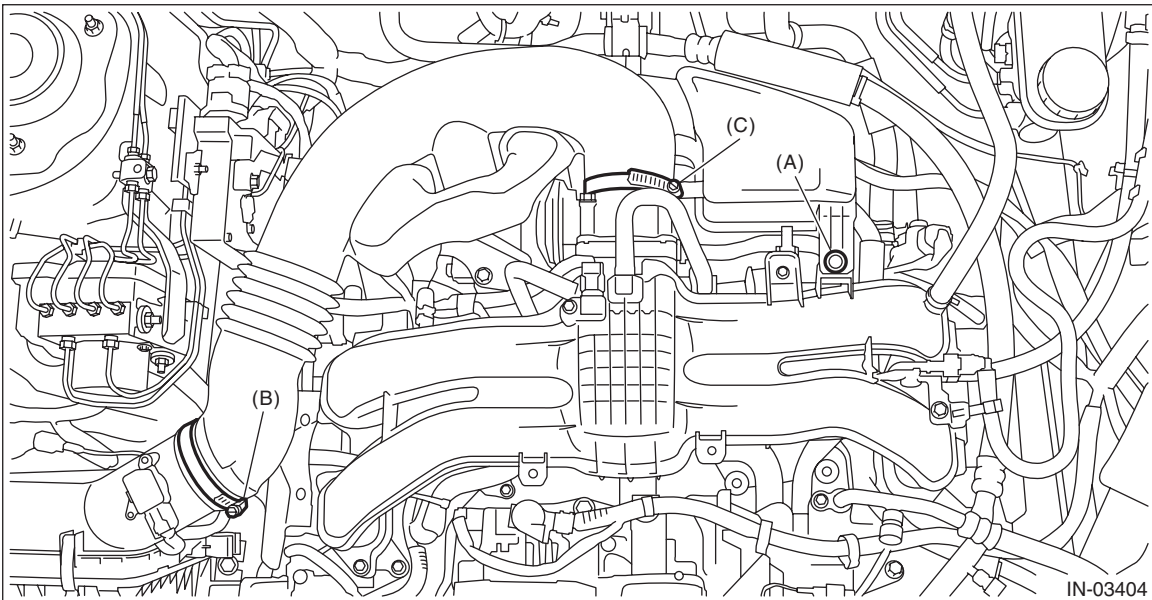
## 7. Crankshaft Position Sensor

### A: REMOVAL

- 1) Disconnect the ground cable from battery.



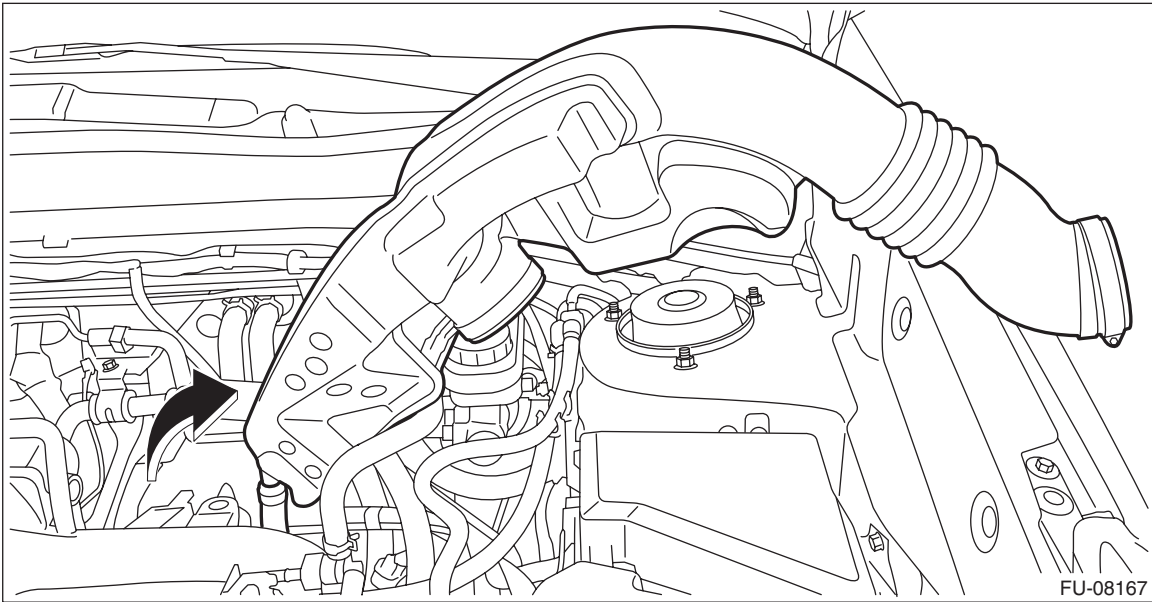
- 2) Remove the clip (A), and loosen the clamps (B) and (C) securing the air intake boot.



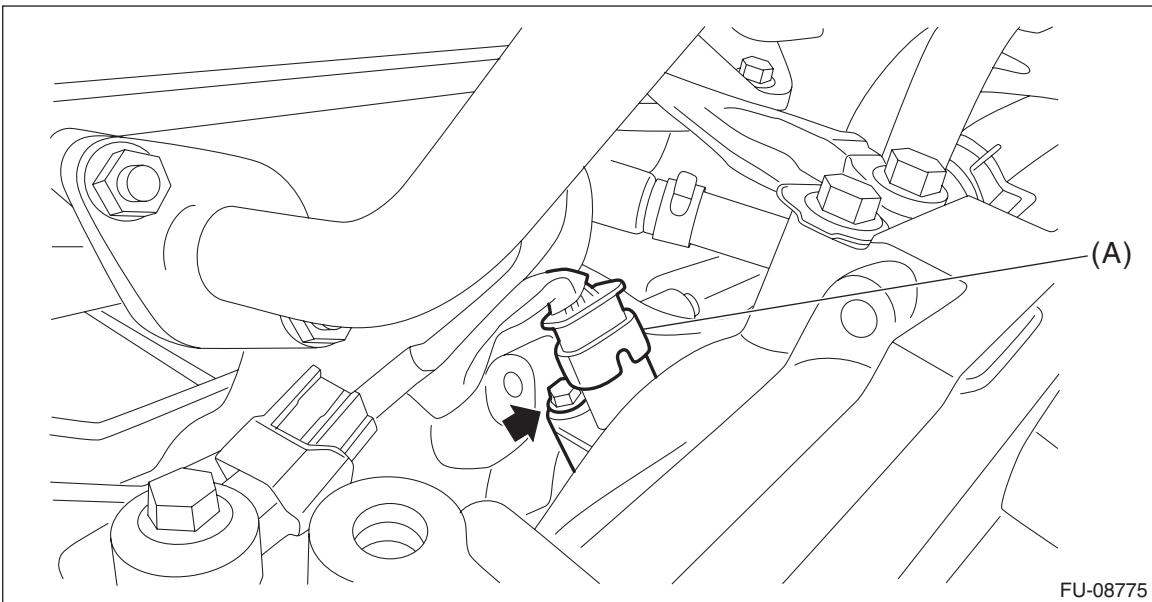
# Crankshaft Position Sensor

## FUEL INJECTION (FUEL SYSTEMS)

3) Remove the air intake boot from the air cleaner case (rear) and throttle body, and move it to the left side wheel apron.



4) Disconnect the connector (A) from the crankshaft position sensor, and remove the crankshaft position sensor from the cylinder block.



## 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

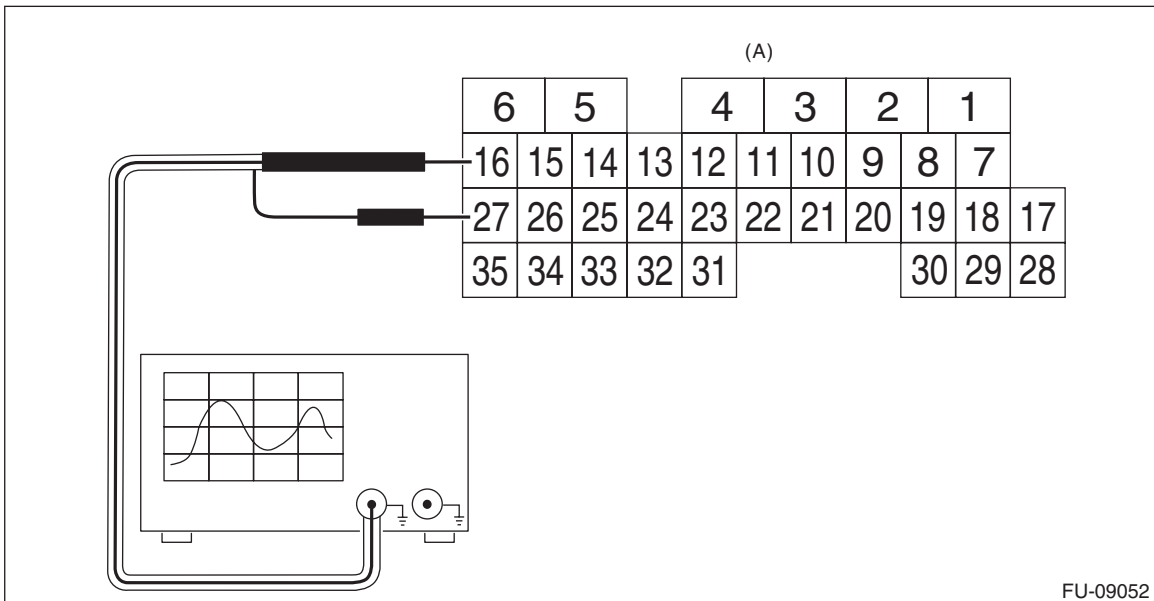
### 1. CRANKSHAFT POSITION SENSOR (METHOD WITH OSCILLOSCOPE)

- 1) Prepare an oscilloscope.
- 2) Remove the glove box. <Ref. to EI-78, REMOVAL, Glove Box.>

# Crankshaft Position Sensor

FUEL INJECTION (FUEL SYSTEMS)

3) Connect the probe to ECM connector.



(A) To ECM connector

Terminal No.	Probe
16	+
27	-

4) Start the engine and let it idle.

5) Check the waveforms and voltage.

## NOTE:

For waveform and voltage, refer to “Engine Control Module (ECM) I/O Signal”. <Ref. to EN(H4DO w/o HEV)(diag)-19, ELECTRICAL SPECIFICATION, Engine Control Module (ECM) I/O Signal.>

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

## 2. OTHER INSPECTIONS

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