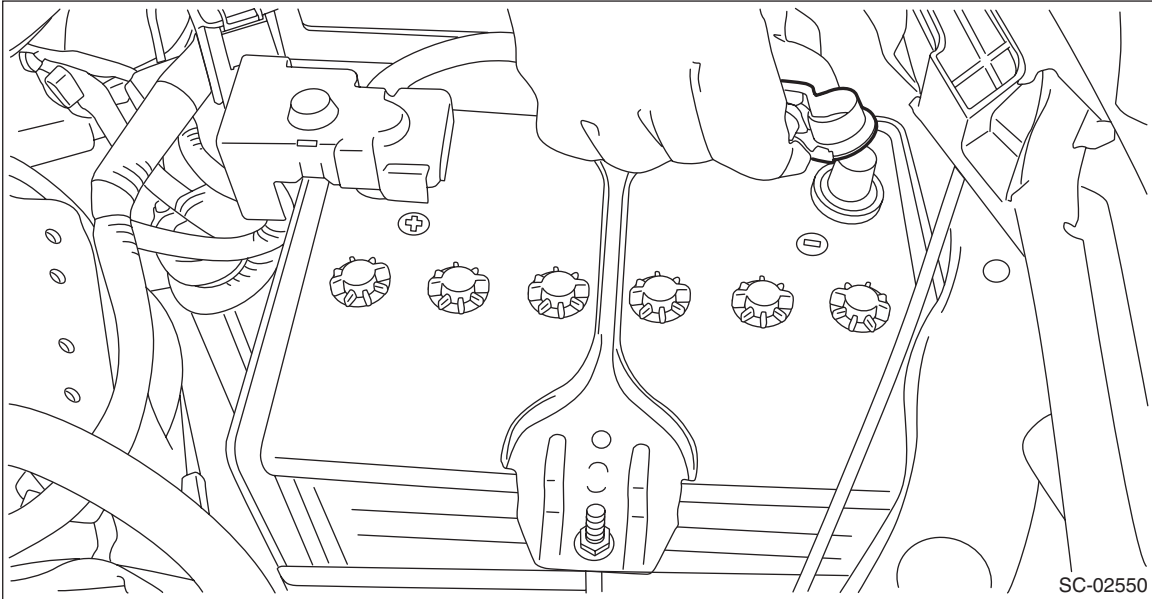


## 8. Camshaft Position Sensor

### A: REMOVAL

#### 1. INTAKE SIDE

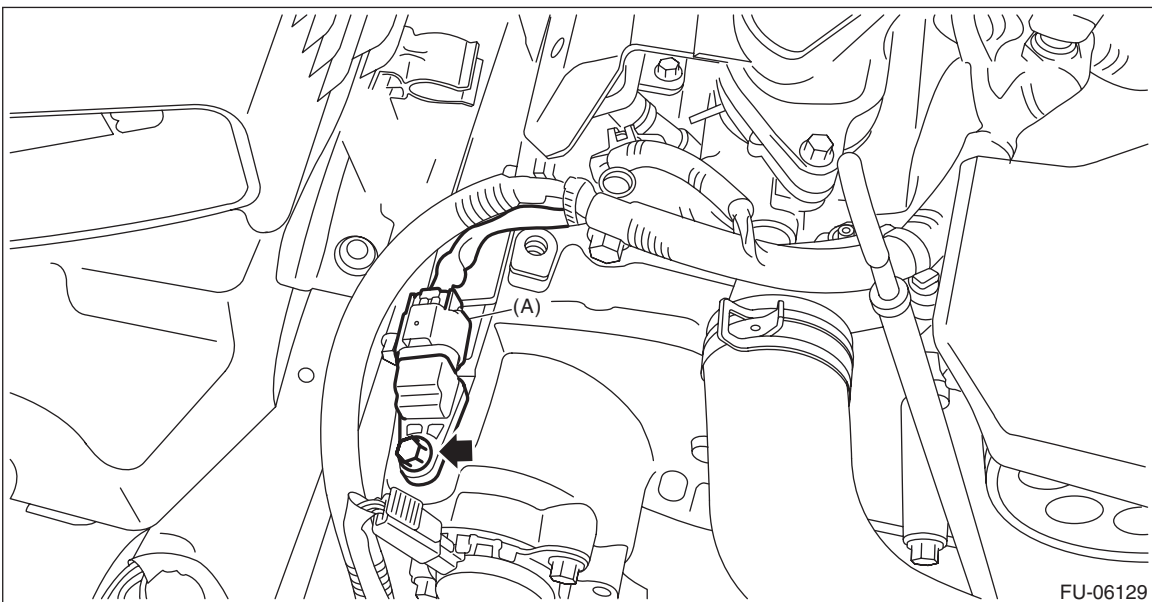
1) Disconnect the ground cable from battery.



2) Remove the air intake duct. (RH side only) <Ref. to IN(H4DO)-13, REMOVAL, Air Intake Duct.>

3) Disconnect the connector (A) from the camshaft position sensor, and remove the camshaft position sensor from the chain cover.

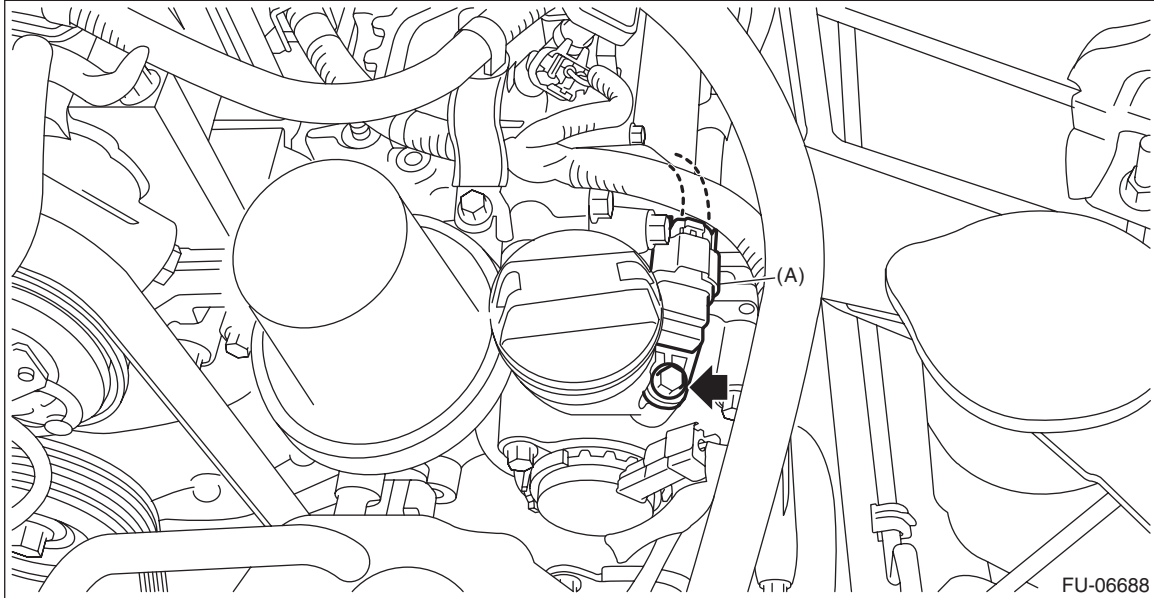
- RH side



# Camshaft Position Sensor

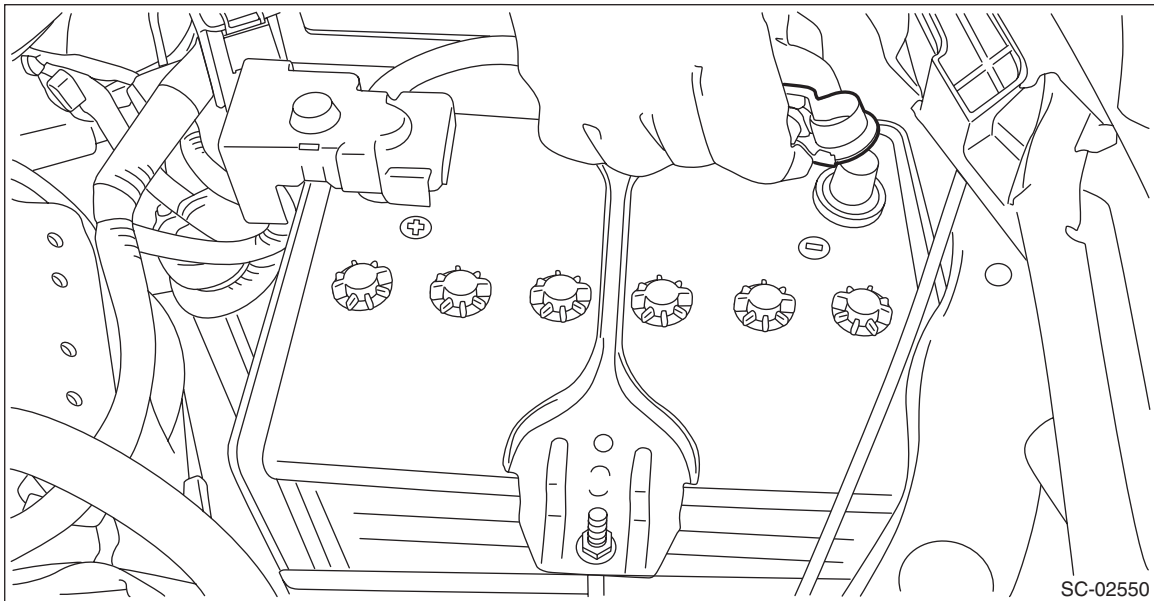
## FUEL INJECTION (FUEL SYSTEMS)

- LH side



## 2. EXHAUST SIDE

- 1) Disconnect the ground cable from battery.

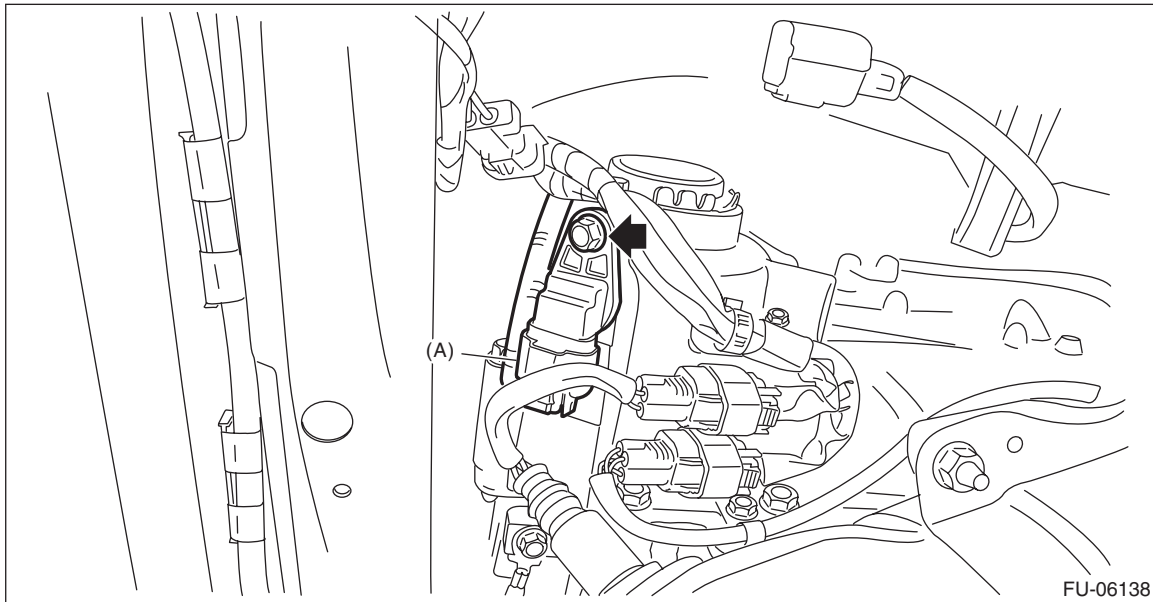


- 2) Remove the under cover. <Ref. to EI-27, REMOVAL, Front Under Cover.>
- 3) Disconnect the connector (A) from the camshaft position sensor, and remove the camshaft position sensor from the chain cover.

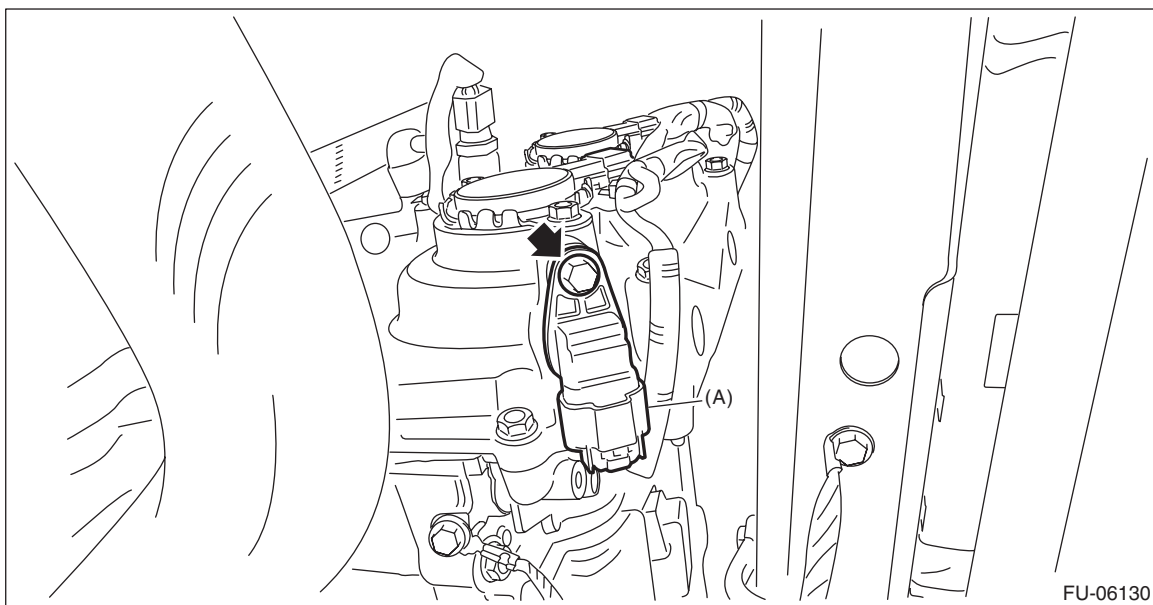
# Camshaft Position Sensor

FUEL INJECTION (FUEL SYSTEMS)

- RH side



- LH side



## B: INSTALLATION

Install in the reverse order of removal.

NOTE:

Use new O-rings.

**Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

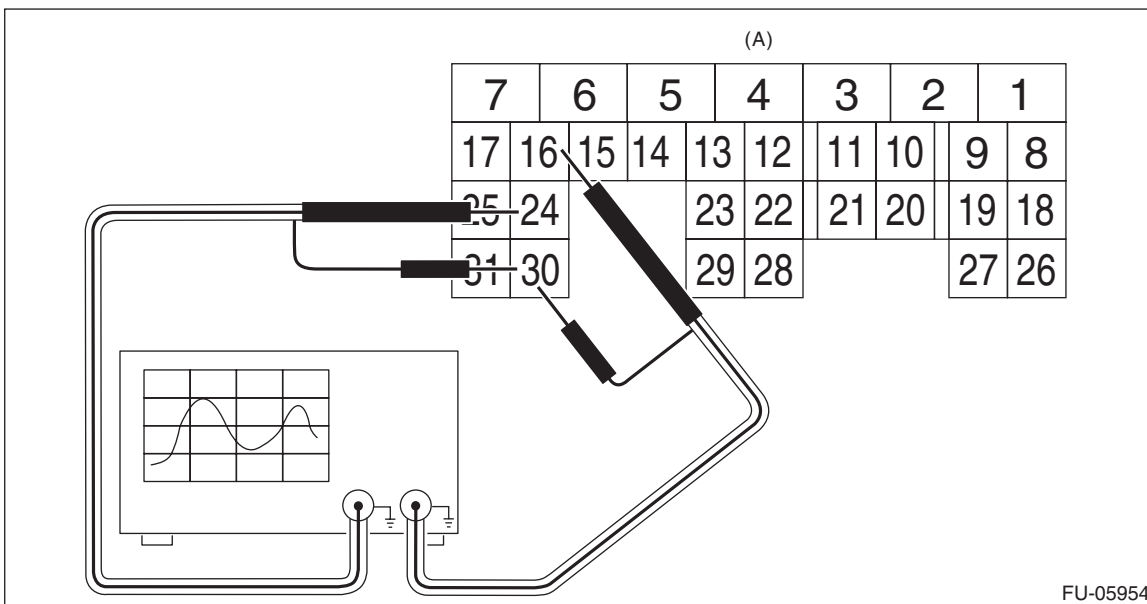
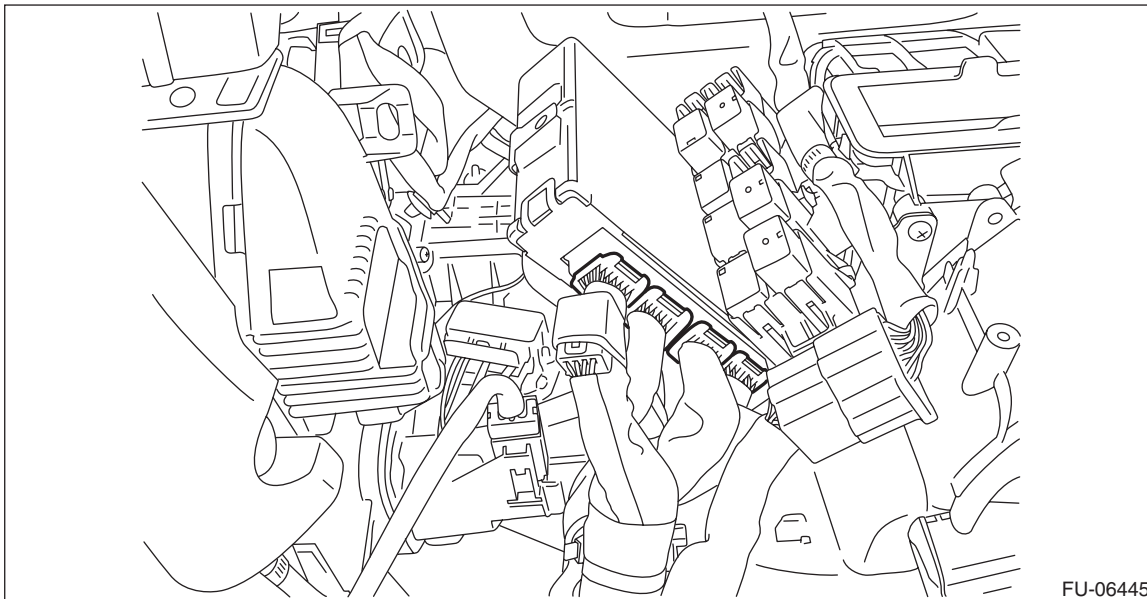
# Camshaft Position Sensor

FUEL INJECTION (FUEL SYSTEMS)

## C: INSPECTION

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

- 1) Prepare an oscilloscope.
- 2) Remove the back panel - pocket. <Ref. to EI-67, REMOVAL, Glove Box.>
- 3) Connect the probe to ECM connector.



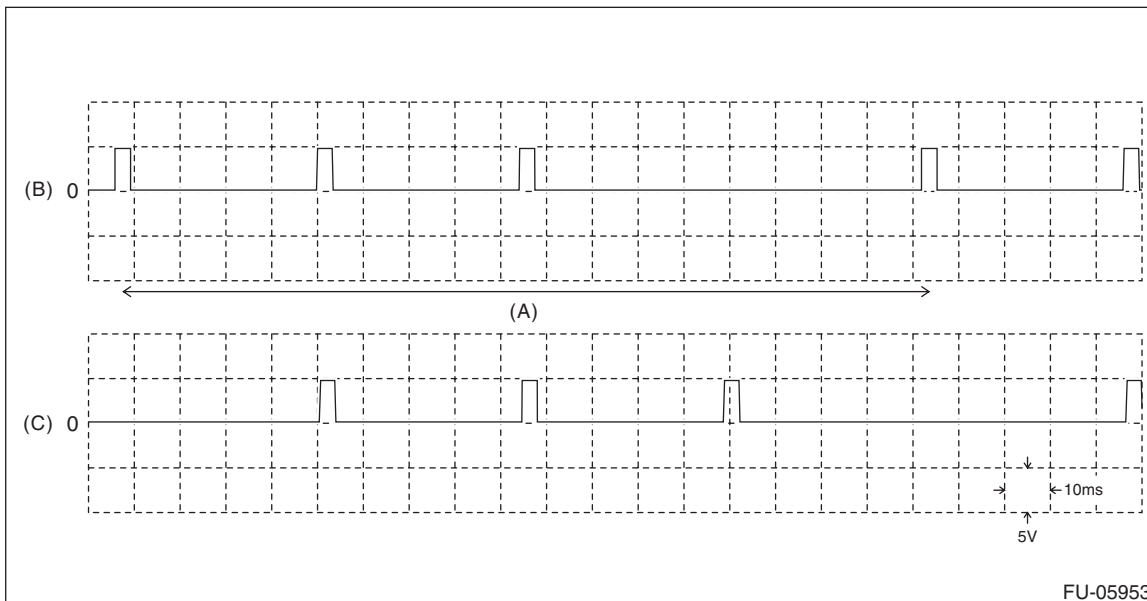
(A) To ECM connector

Camshaft position sensor	Terminal No.	Probe
RH	24	+
LH	16	+
RH and LH	30	-

- 4) Start the engine and let it idle.

# Camshaft Position Sensor

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



(A) One camshaft rotation

(B) Intake camshaft position sensor  
RH

(C) Intake camshaft position sensor  
LH

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

## 2. OTHER INSPECTIONS

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