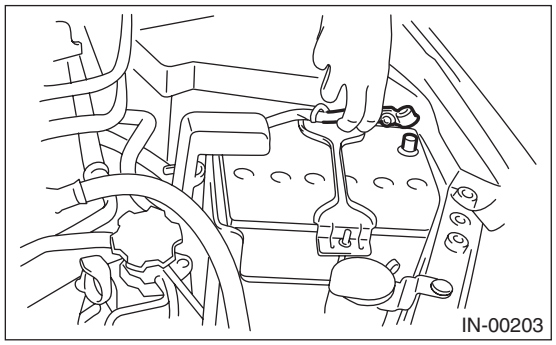
6. Camshaft Position Sensor

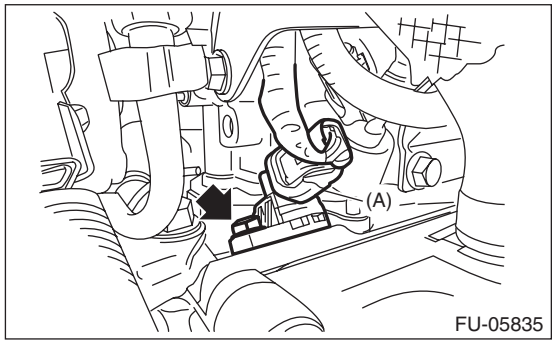
A: REMOVAL

1. CAMSHAFT POSITION SENSOR RH

1) Disconnect the ground cable from battery.

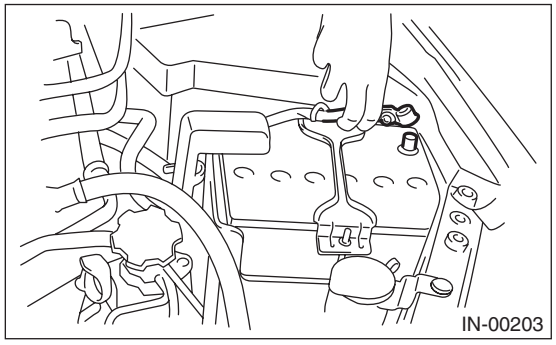


2) Disconnect the connector (A) from the camshaft position sensor RH, and remove the camshaft position sensor RH from the rear side of the cylinder head.



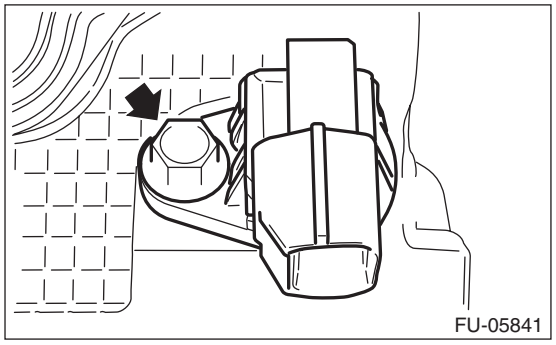
2. CAMSHAFT POSITION SENSOR LH

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



3) Remove the intake manifold. <Ref. to FU(w/o STI)-18, REMOVAL, Intake Manifold.>

4) Remove the camshaft position sensor LH.



B: INSTALLATION

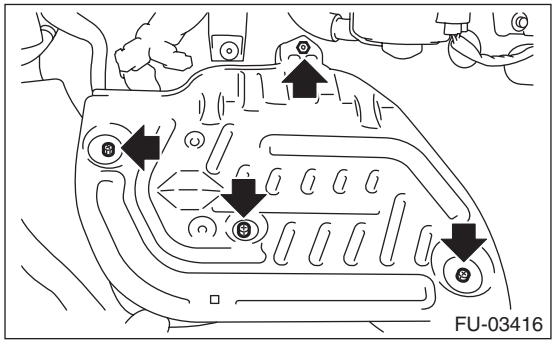
Install in the reverse order of removal.

Tightening torque:
6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

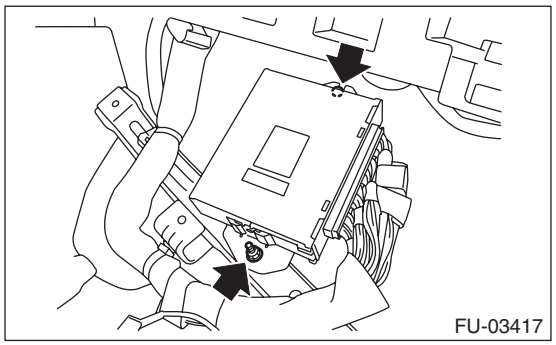
C: INSPECTION

1. CAMSHAFT POSITION SENSOR (METHOD WITH OSCILLOSCOPE)

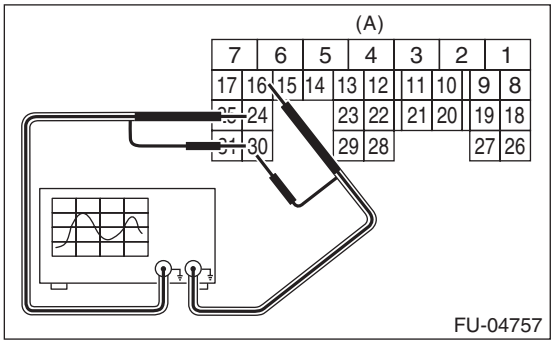
1) Prepare an oscilloscope.
2) Remove the lower inner trim of passenger's side. <Ref. to EI-57, REMOVAL, Lower Inner Trim.>
3) Turn over the floor mat of passenger's seat.
4) Remove the protect cover.



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



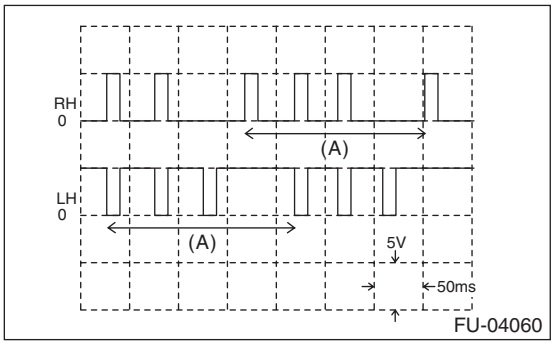
6) Connect the probe to ECM connector.



(A) To ECM connector

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

7) Start the engine and let it idle.
8) Check the pattern is the same as the waveform and voltage shown below.



(A) One camshaft rotation

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

Tightening torque:
7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

2. OTHER INSPECTIONS

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