

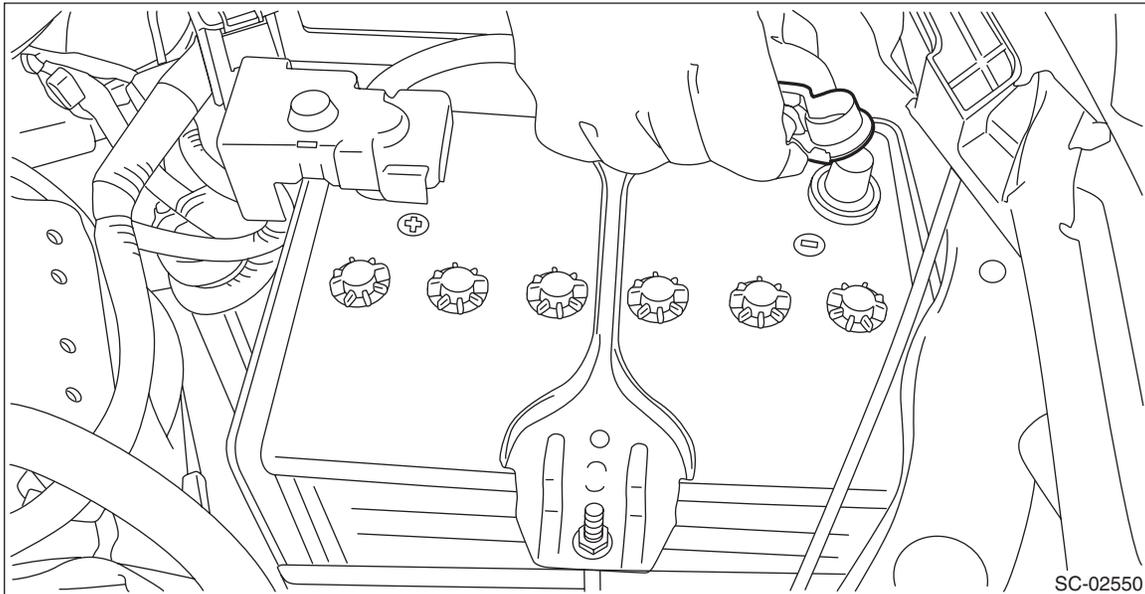
# Knock Sensor

FUEL INJECTION (FUEL SYSTEMS)

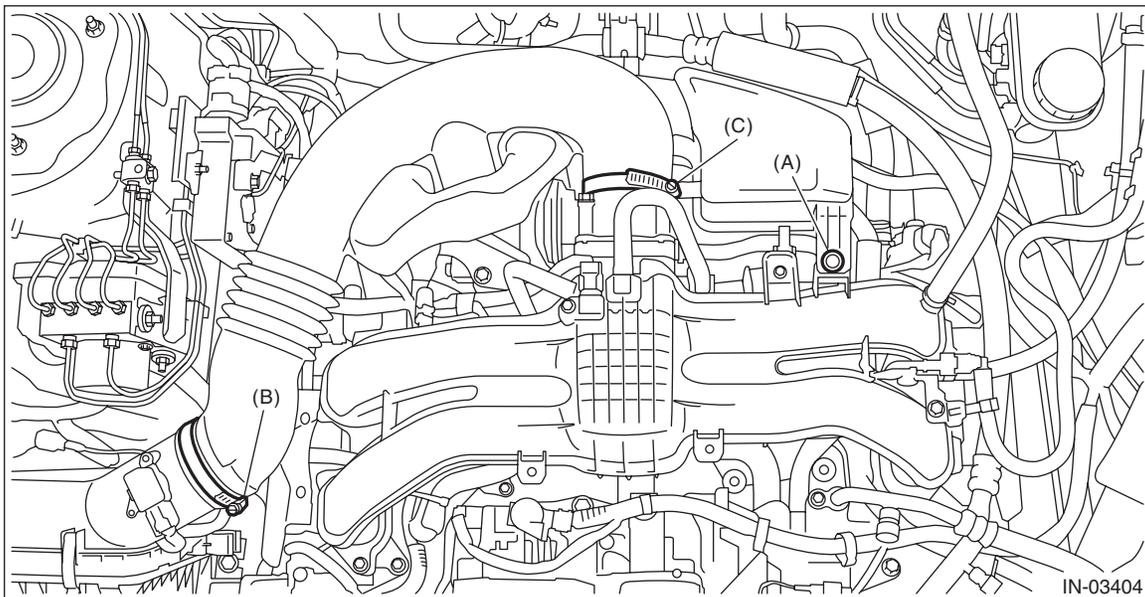
## 11. Knock Sensor

### A: REMOVAL

1) Disconnect the ground cable from battery.



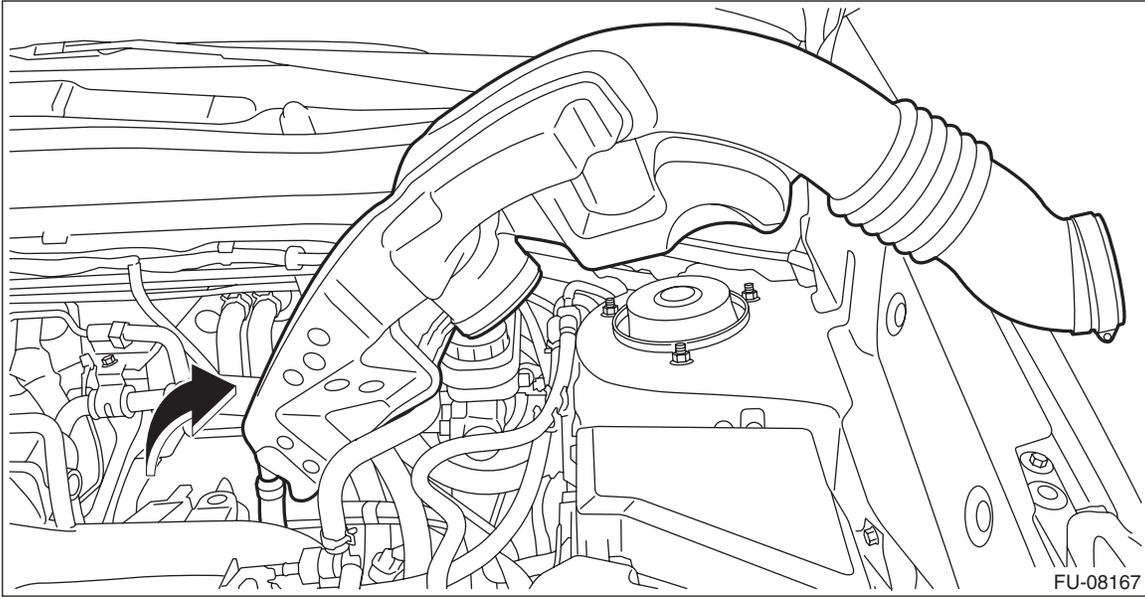
2) Remove the clip (A), and loosen the clamps (B) and (C) securing the air intake boot.



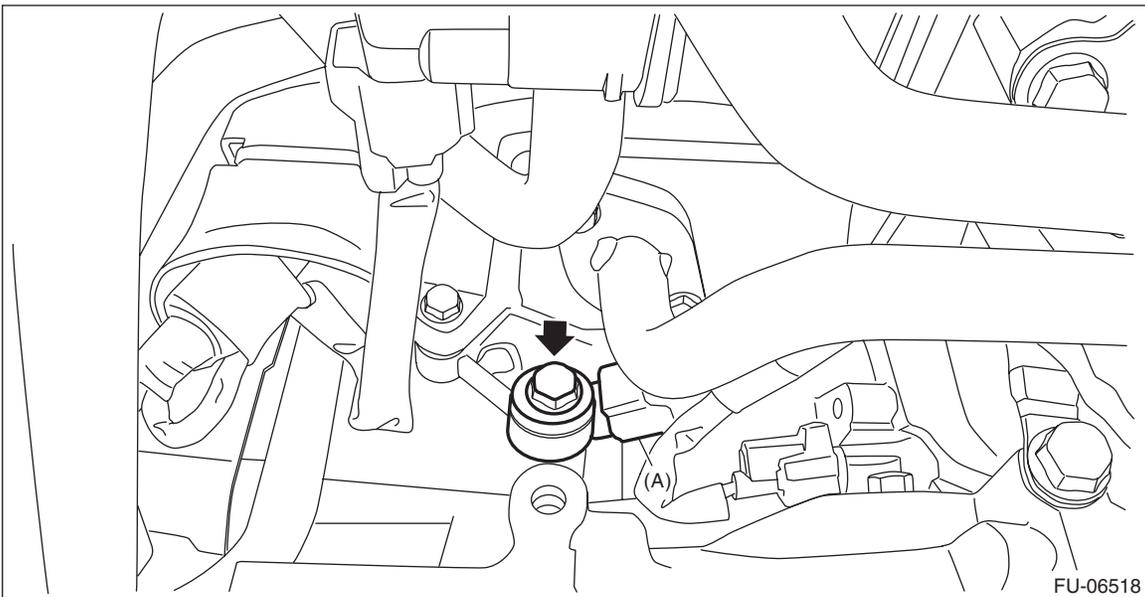
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3) Remove the air intake boot from the air cleaner case (rear) and throttle body, and move it to the left side wheel apron.



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



# Knock Sensor

FUEL INJECTION (FUEL SYSTEMS)

## B: INSTALLATION

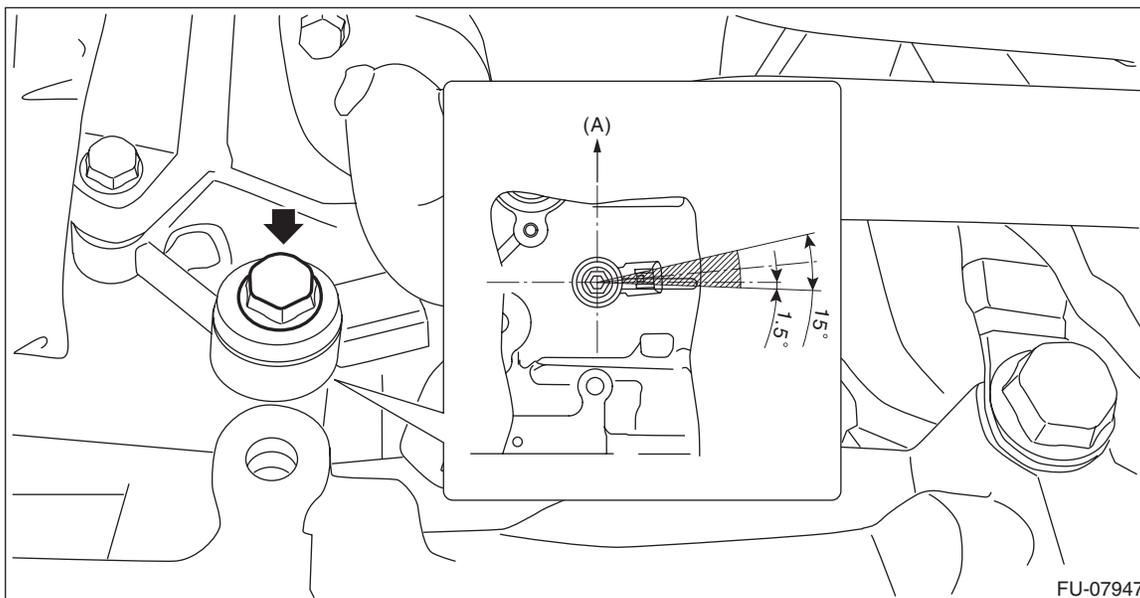
1) Install the knock sensor to the cylinder block.

### NOTE:

The knock sensor should be installed so that the center of the connector is positioned at a  $76.5 - 91.5^\circ$  angle relative to the front of engine.

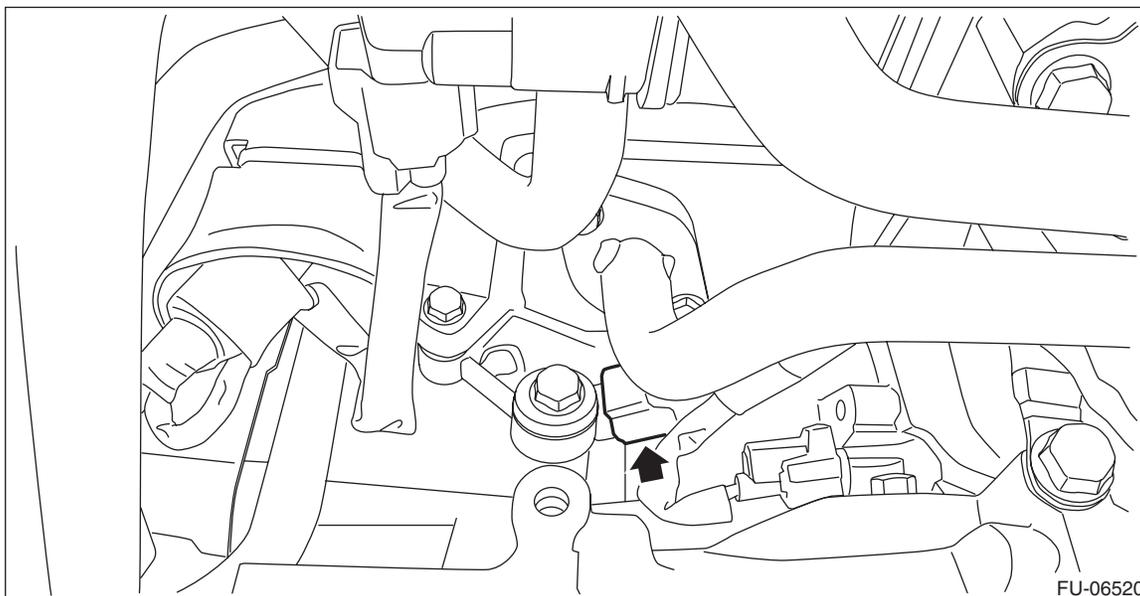
### Tightening torque:

**24 N·m (2.4 kgf·m, 17.7 ft·lb)**



(A) Front of engine

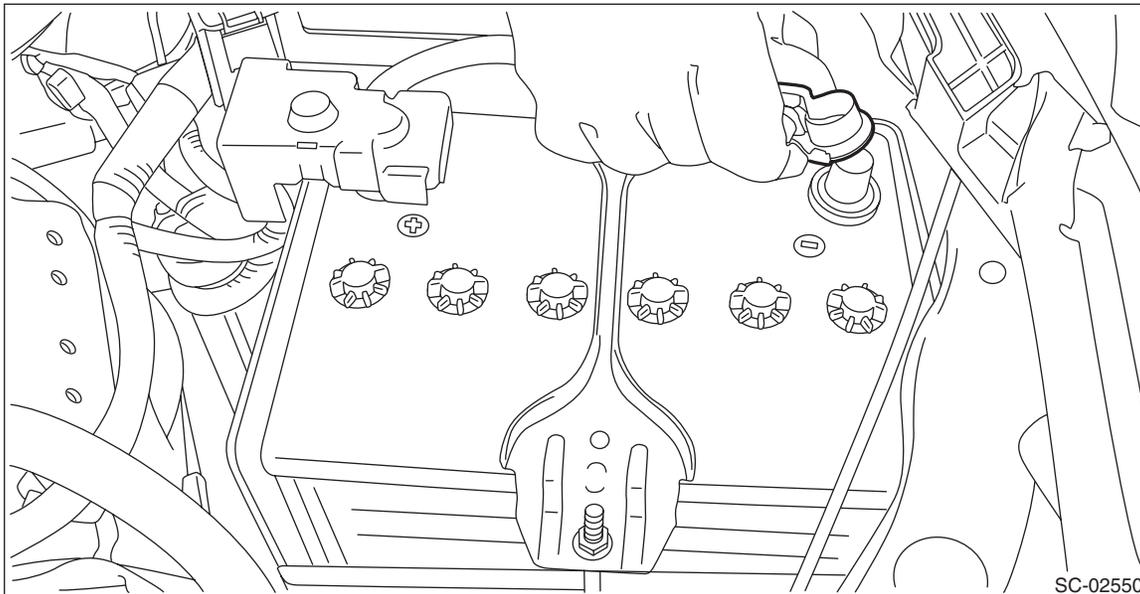
2) Connect the connector to the knock sensor.



3) Install the air intake boot. <Ref. to IN(H4DO(w/o HEV))-12, INSTALLATION, Air Intake Boot.>

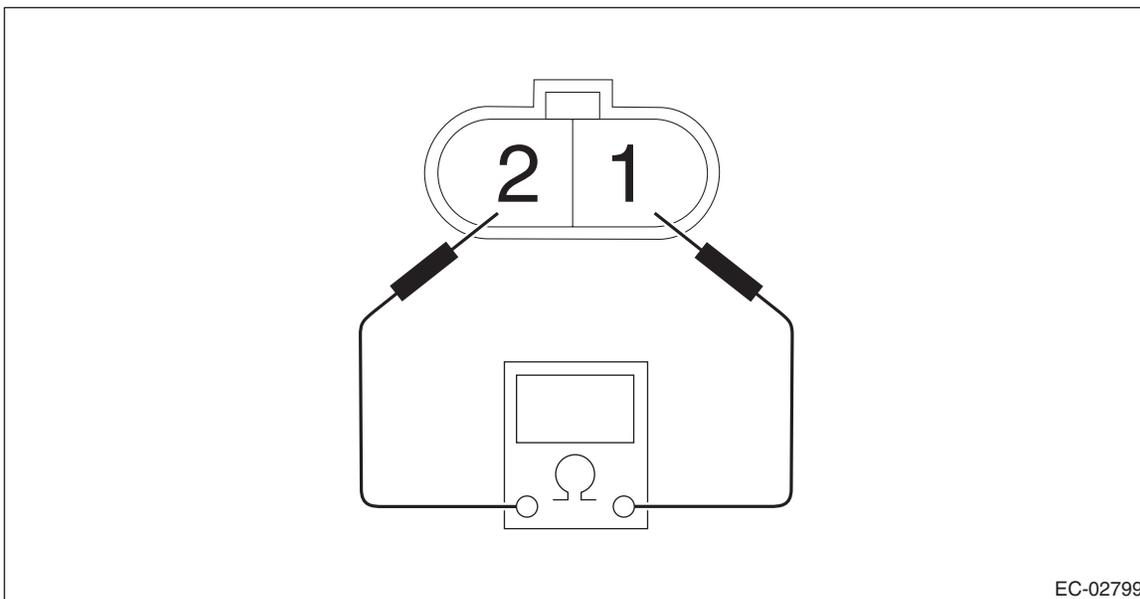
# Knock Sensor

4) Connect the battery ground terminal.



## C: INSPECTION

- 1) Check that the knock sensor has no deformation, cracks or other damages.
- 2) Measure the resistance between knock sensor terminals.



Terminal No.	Standard
1 and 2	560±28 kΩ