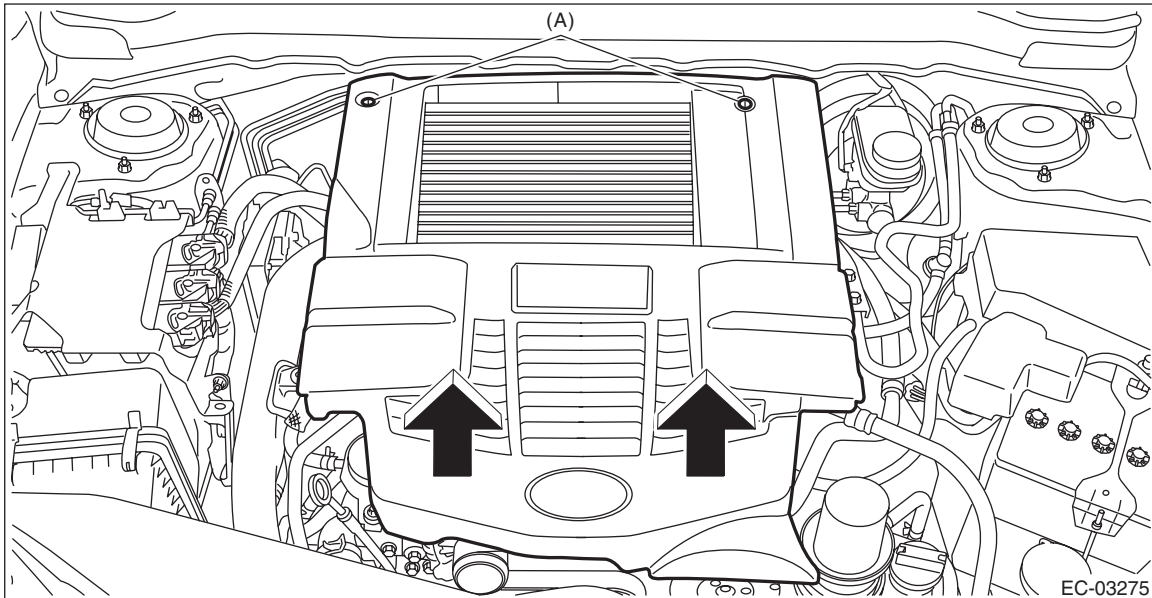


7. Intercooler

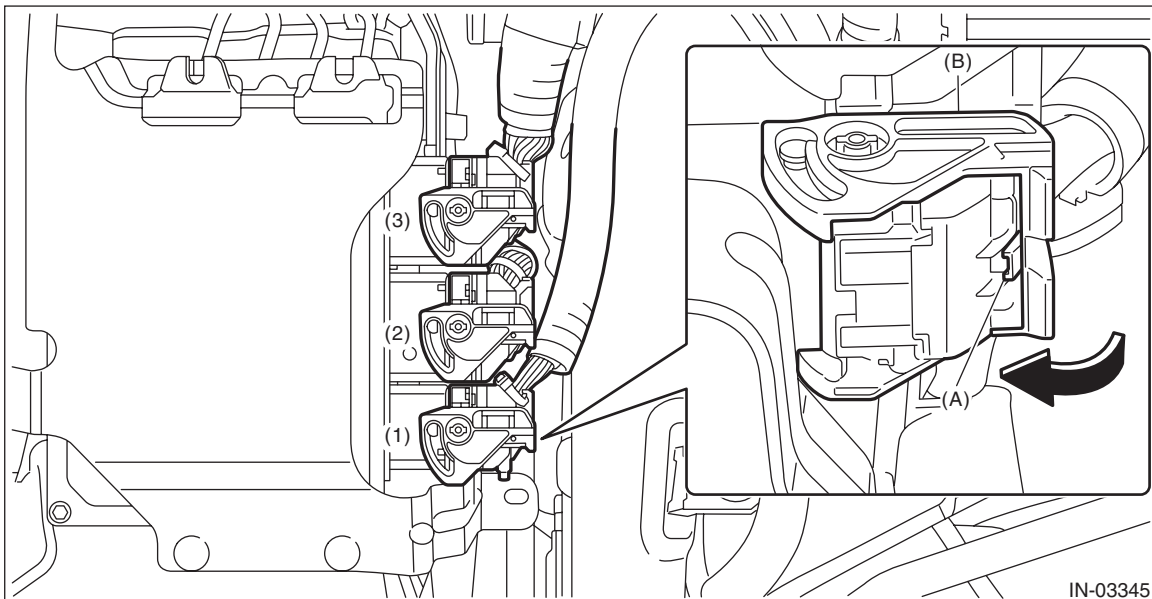
A: REMOVAL

1) Remove the clip (A), lift the front of the collector cover in the direction of arrow, and then remove the collector cover.



2) Disconnect the ground cable from battery.

3) While pressing the section (A) shown in the figure, move the lock lever (B) in the direction of the arrow to disconnect the connectors from the ECM in numerical order as shown in the figure.

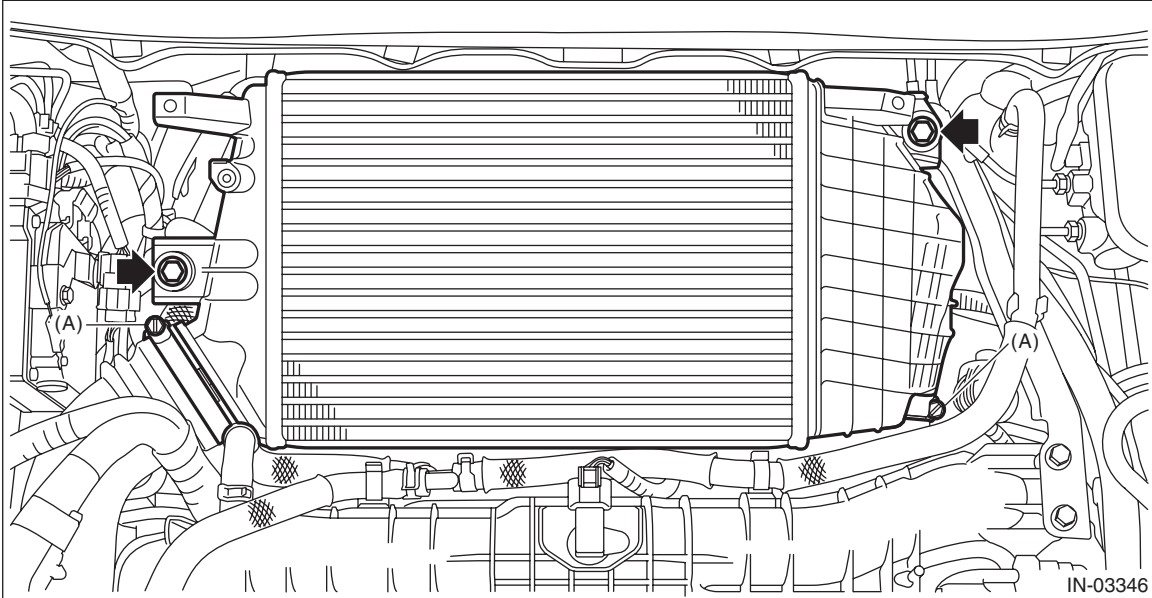


4) Loosen the clamp (A) which holds the intake duct to intercooler.

Intercooler

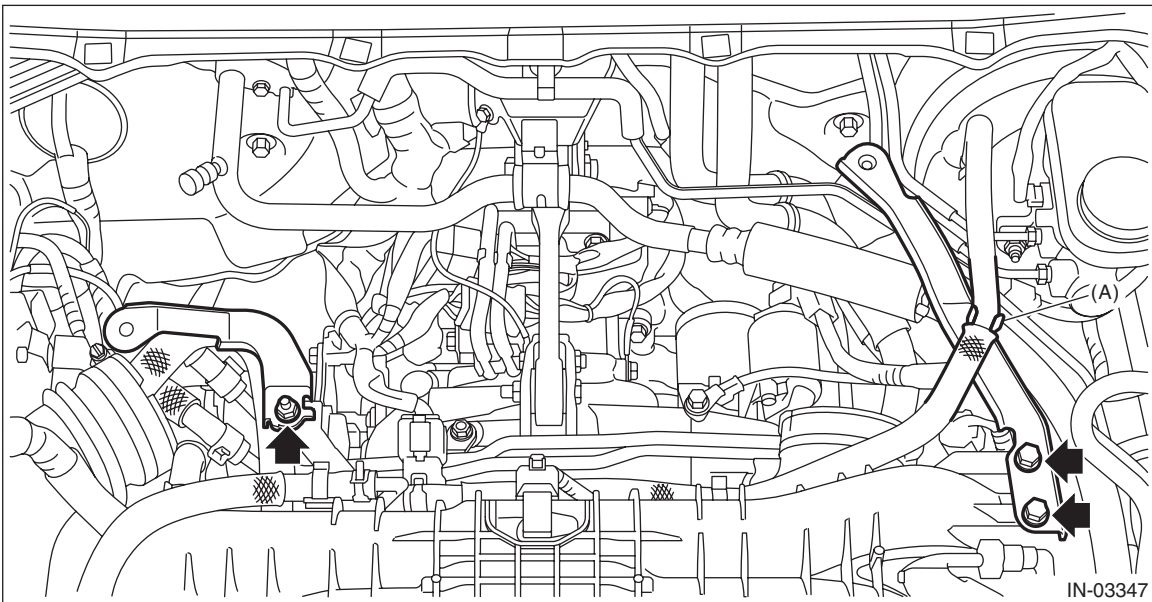
INTAKE (INDUCTION)

5) Remove the bolts which secure the intercooler to the intercooler stay, and remove the intercooler.

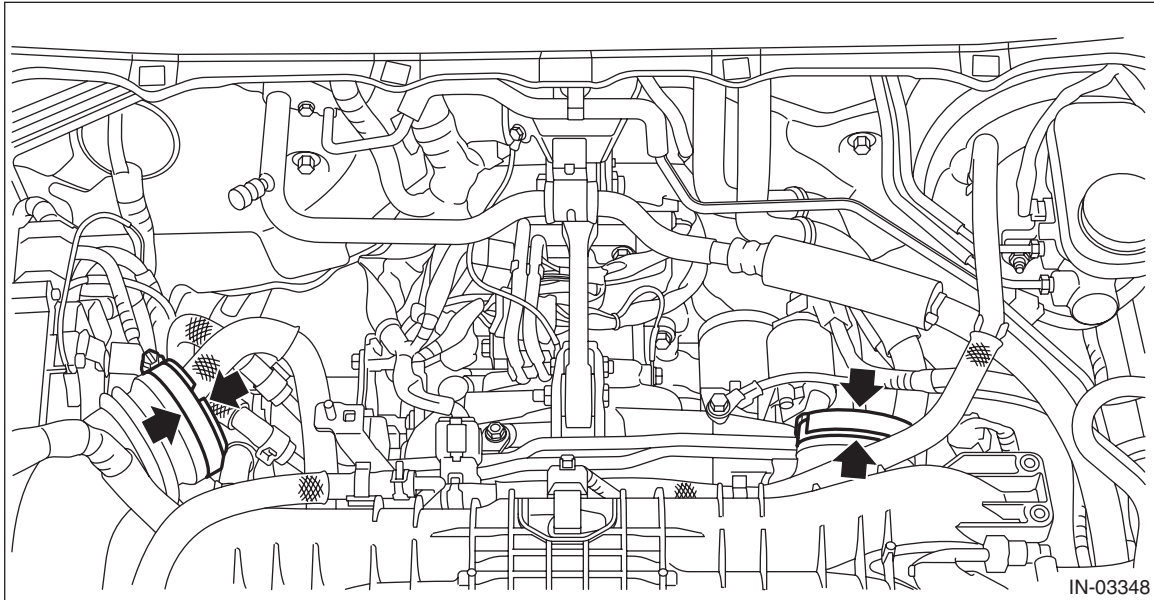


6) Remove the brake booster vacuum hose from the clip (A).

7) Remove the intercooler stay RH from the engine hanger stay, and remove the intercooler stay LH from the intake manifold.



8) Remove the insulator and clamp from intake duct.

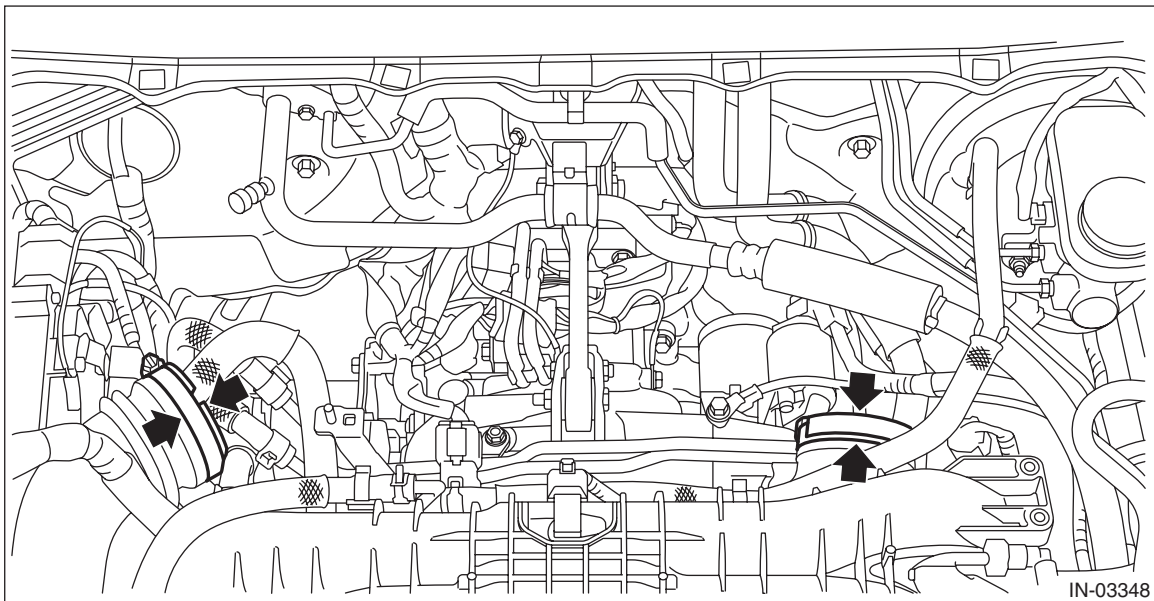


B: INSTALLATION

1) Install the insulator and clamp to the intake duct.

NOTE:

- Use a new insulator.
- Apply a thin coat of SUBARU PS fluid (K0515YA000) or liquid paraffin to the inner periphery of the insulator.



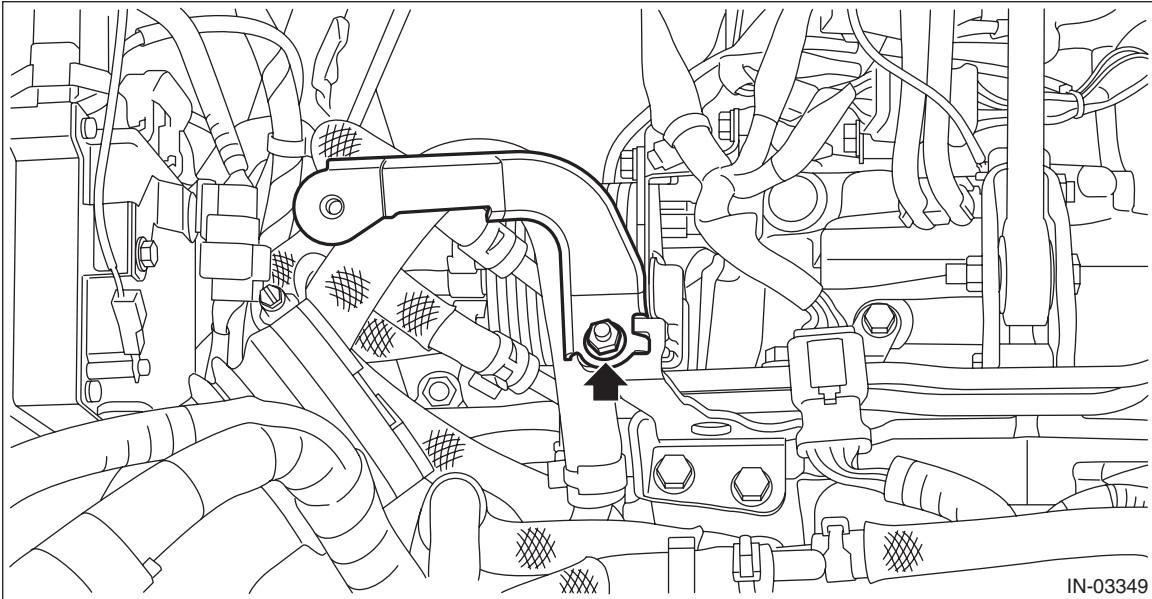
Intercooler

INTAKE (INDUCTION)

2) Install the intercooler stay RH to the engine hanger stay.

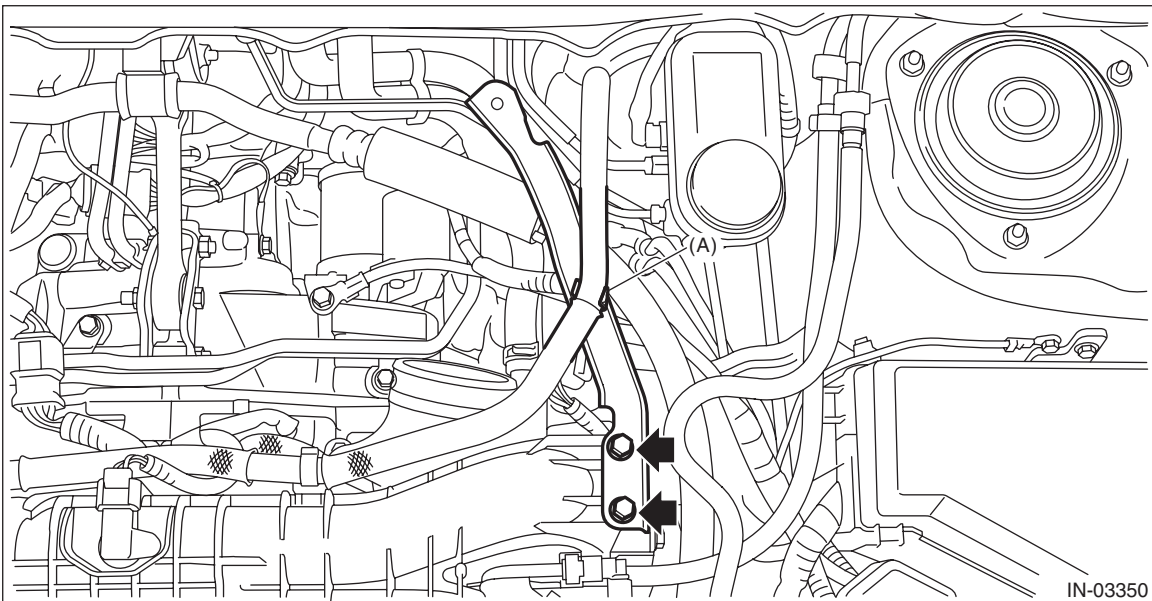
Tightening torque:

16 N·m (1.6 kgf-m, 11.8 ft-lb)



3) Temporarily tighten the intercooler stay LH to the intake manifold.

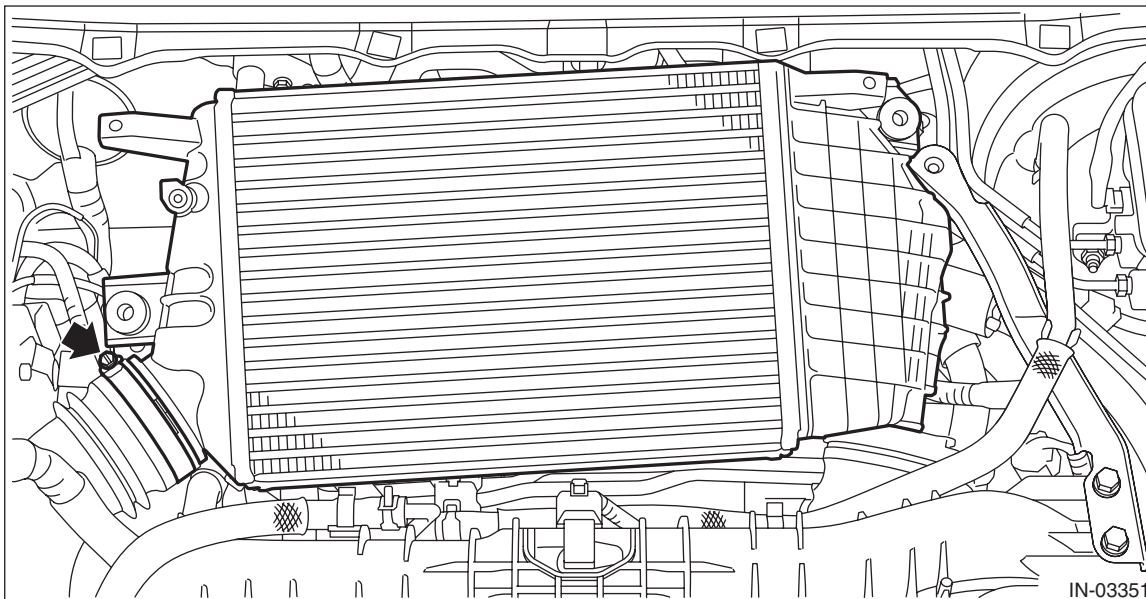
4) Install the brake booster vacuum hose to the clip (A).



5) Insert the intercooler into the intake duct No. 2, and temporarily tighten the clamp which secures the intake duct No. 2 to the intercooler.

NOTE:

When inserting the intercooler into the intake duct No. 2, be careful that the insulator is not turned over.



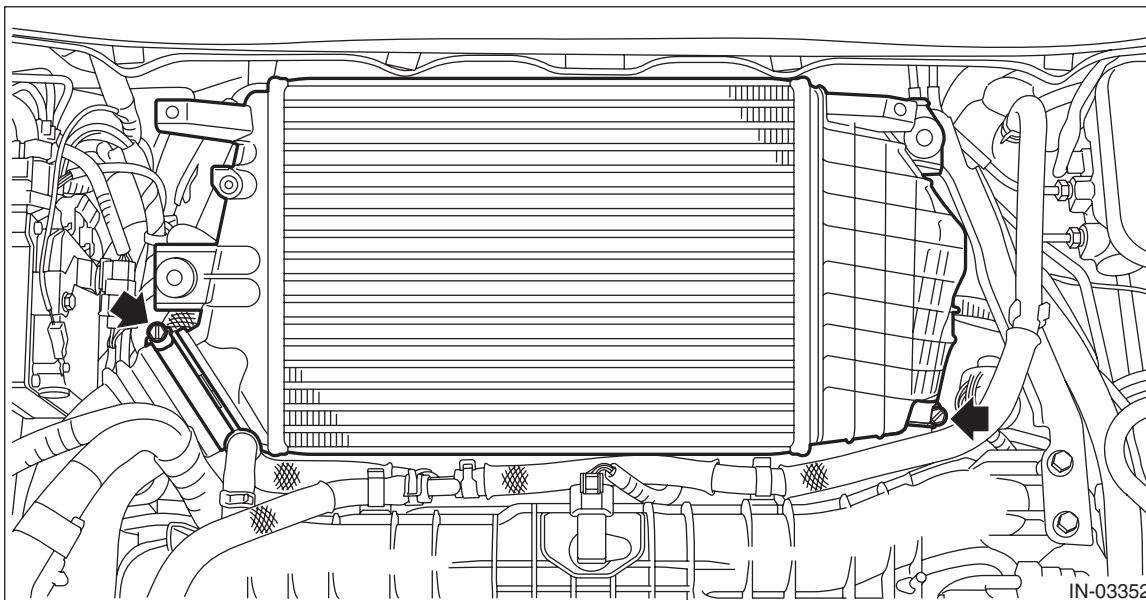
6) Insert the intercooler into the intake duct No. 3, and tighten the clamp which secures the intake duct to the intercooler.

NOTE:

When inserting the intercooler into the intake duct No. 3, be careful that the insulator is not turned over.

Tightening torque:

3 N·m (0.3 kgf-m, 2.2 ft-lb)



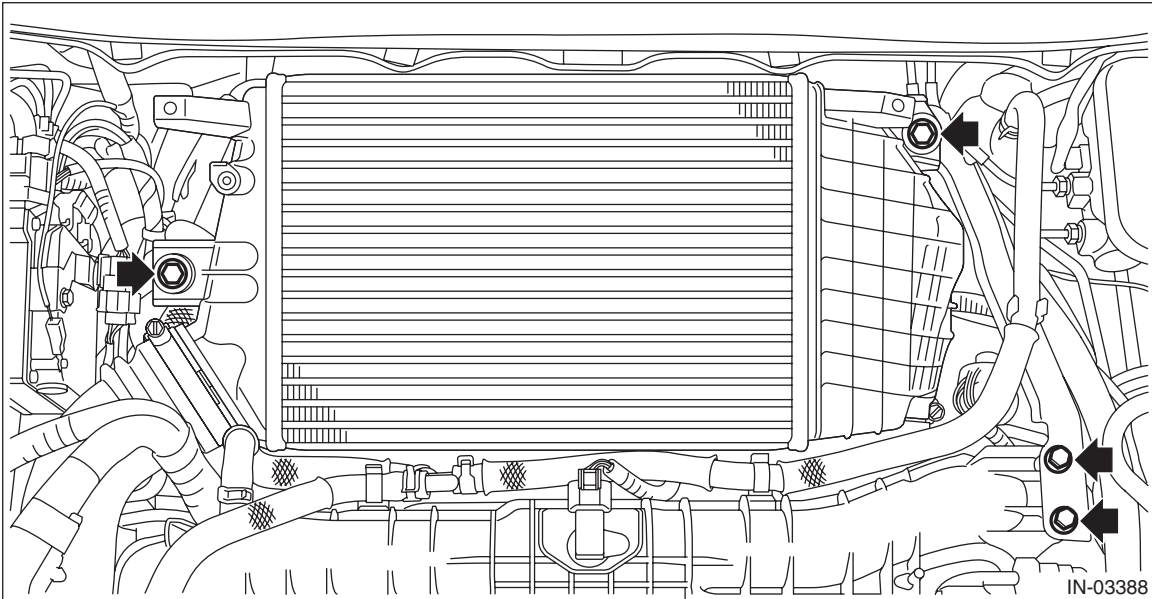
Intercooler

INTAKE (INDUCTION)

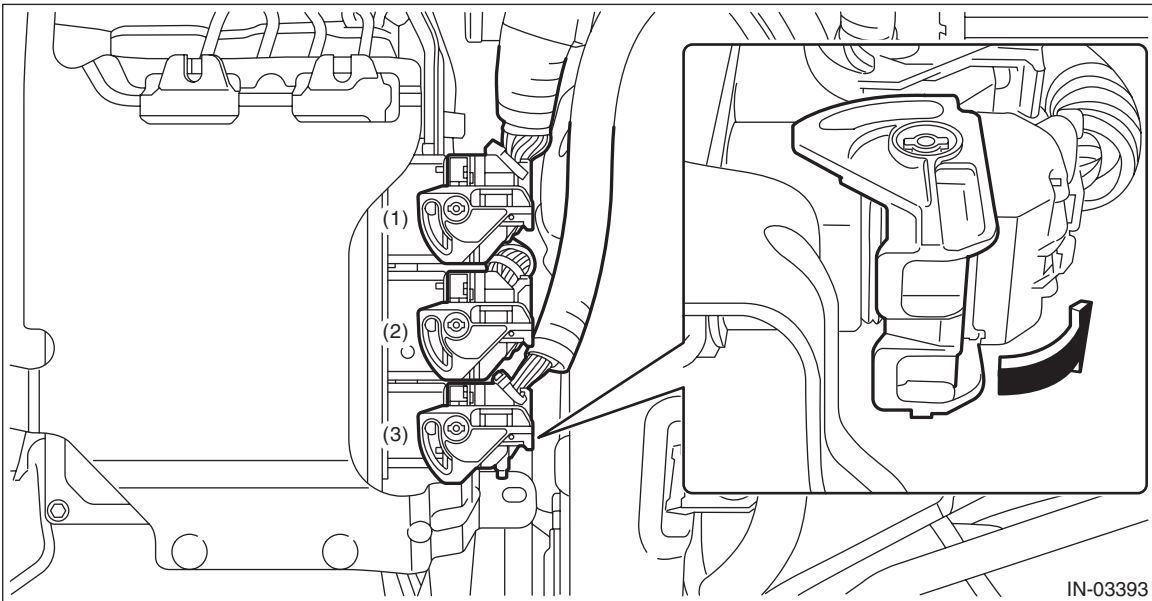
7) Install the bolts which secure the intercooler to the intercooler stay, and tighten the bolt which secures the intercooler stay LH to the intake manifold.

Tightening torque:

16 N·m (1.6 kgf-m, 11.8 ft-lb)



8) Move the lock lever in the direction of the arrow, and connect the connector to the ECM in numerical order as shown in the figure.



9) Connect the battery ground terminal.

10) Install the collector cover.

C: INSPECTION

Check that the intercooler and intercooler stay have no deformation, cracks or other damages.