

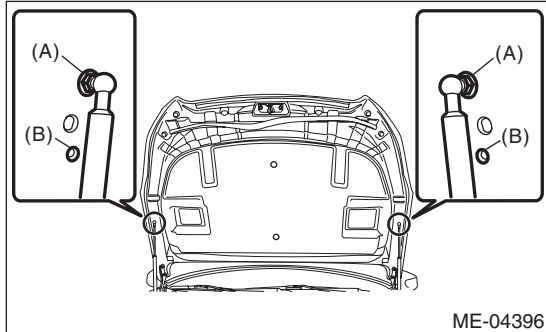
## 10.Engine Mounting

### A: REMOVAL

1) Change the front hood damper bolt mounting position from (A) to (B), and completely open the front hood.

**Tightening torque:**

**20 N·m (2.0 kgf-m, 14.8 ft-lb)**

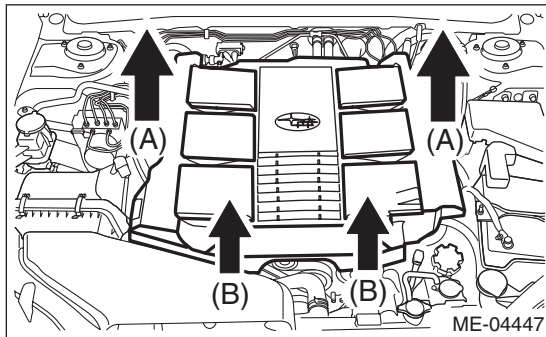


2) Remove the collector cover.

**NOTE:**

Follow the steps below when removing the collector cover.

- (1) Pull up the two points at the rear (A).
- (2) Pull up the two points at the front (B) while moving them forward.

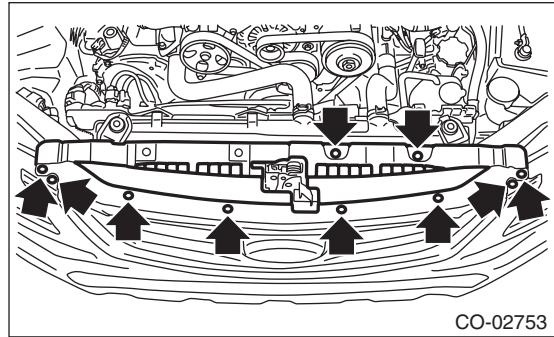


3) Remove the air intake duct, air cleaner case and air intake boot assembly. <Ref. to IN(H6DO)-8, REMOVAL, Air Intake Duct.> <Ref. to IN(H6DO)-5, REMOVAL, Air Cleaner Case.> <Ref. to IN(H6DO)-7, REMOVAL, Air Intake Boot.>

4) Remove the grille bracket.

**NOTE:**

Remove ten clips when removing the grille bracket.



5) Lift up the vehicle.

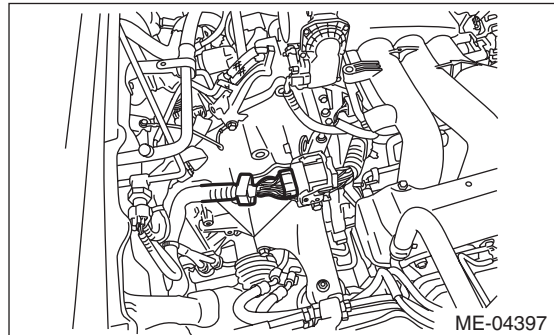
6) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover.>

7) Drain engine coolant completely. <Ref. to CO(H6DO)-12, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

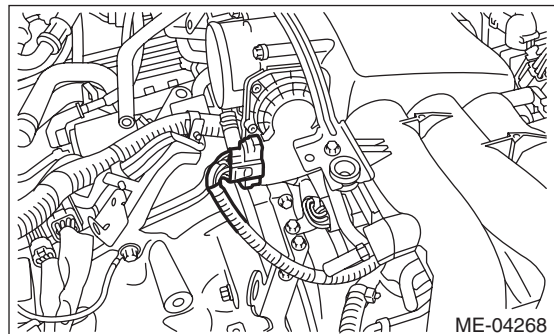
8) Lower the vehicle.

9) Remove the radiator main fan & fan motor and radiator sub fan & fan motor. <Ref. to CO(H6DO)-21, REMOVAL, Radiator Main Fan and Fan Motor.> <Ref. to CO(H6DO)-24, REMOVAL, Radiator Sub Fan and Fan Motor.>

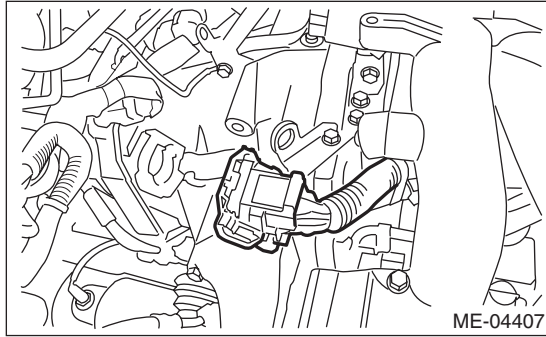
10) Disconnect the engine harness.



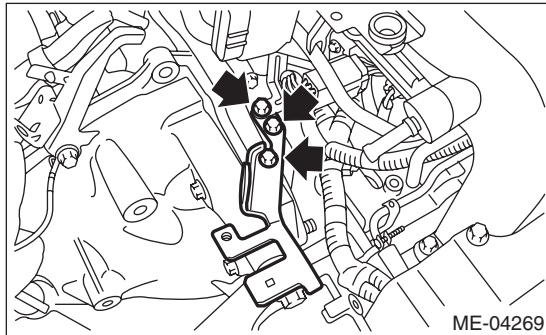
11) Disconnect the connector from the throttle body.



- 12) Remove the engine harness connector from the engine hanger bracket.



- 13) Remove the engine hanger bracket.



- 14) Remove the throttle body from the intake manifold.

**NOTE:**

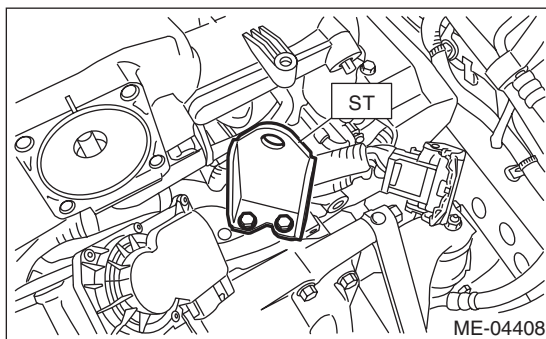
Do not disconnect the inlet and outlet hoses of engine coolant.

- 15) Attach the ST.

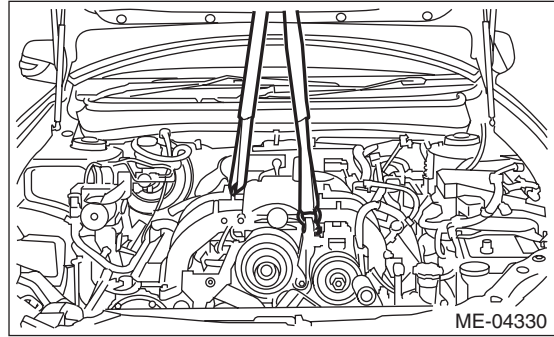
ST 18360AA020 HANGER

**Tightening torque:**

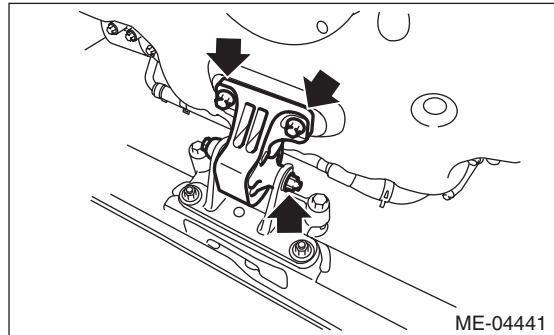
**19 N·m (1.9 kgf-m, 14.0 ft-lb)**



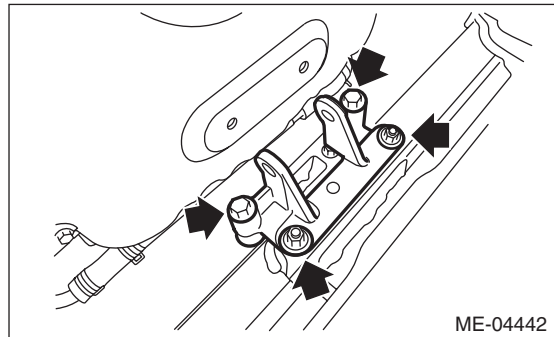
- 16) Support the engine with a lifting device and wire ropes.



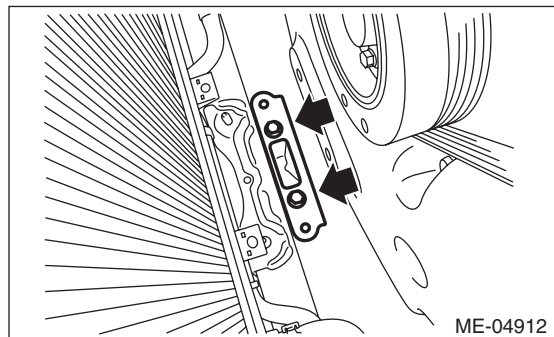
- 17) Remove the front mount.



- 18) Remove the front mounting bracket from the cradle.



- 19) Remove the bracket from the cradle.

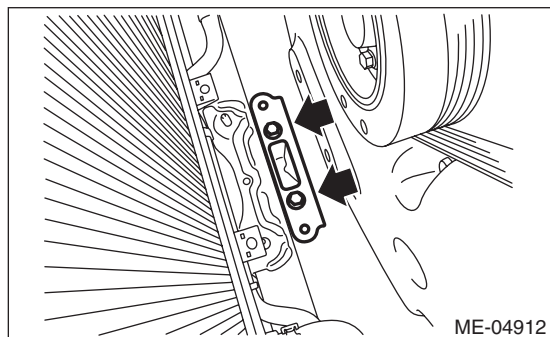


## B: INSTALLATION

1) Install the bracket to the cradle.

**Tightening torque:**

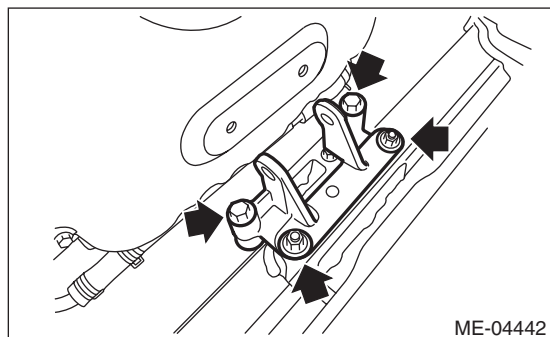
**60 N·m (6.1 kgf-m, 44.3 ft-lb)**



2) Install front mounting bracket to the cradle.

**Tightening torque:**

**60 N·m (6.1 kgf-m, 44.3 ft-lb)**

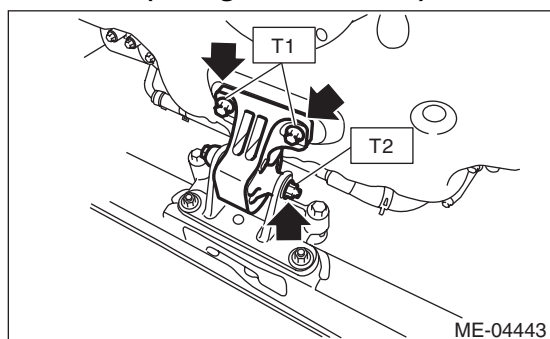


3) Install the front mount.

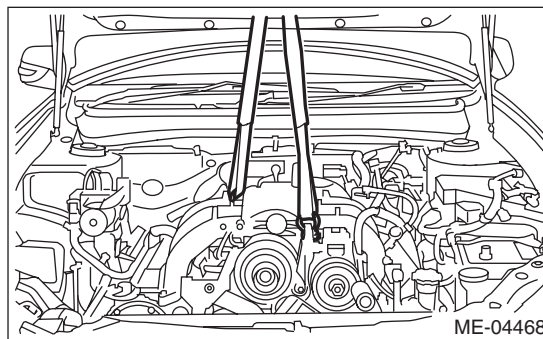
**Tightening torque:**

**T1: 25 N·m (2.5 kgf-m, 18.4 ft-lb)**

**T2: 45 N·m (4.6 kgf-m, 33.2 ft-lb)**



4) Remove the lifting device and wire ropes.



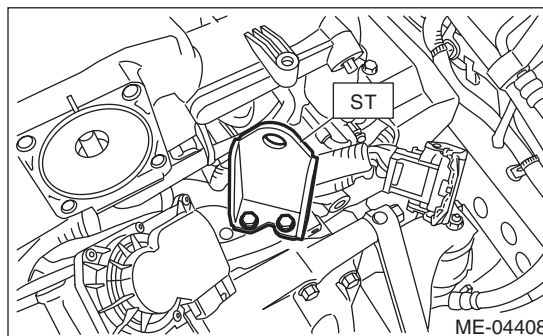
5) Install the radiator main fan & fan motor and radiator sub fan & fan motor. <Ref. to CO(H6DO)-22, INSTALLATION, Radiator Main Fan and Fan Motor.> <Ref. to CO(H6DO)-24, INSTALLATION, Radiator Sub Fan and Fan Motor.>

6) Lift up the vehicle.

7) Install the under cover. <Ref. to EI-35, INSTALLATION, Front Under Cover.>

8) Lower the vehicle.

9) Remove the ST.



10) Install the throttle body to intake manifold.

**NOTE:**

Use a new gasket.

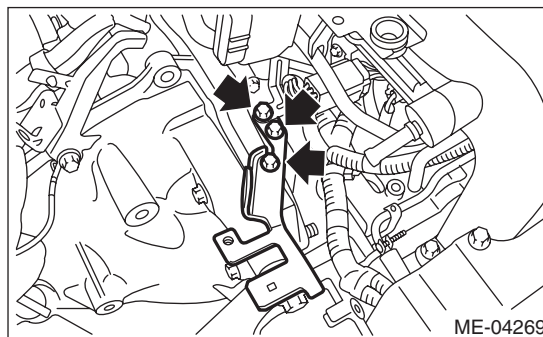
**Tightening torque:**

**8 N·m (0.8 kgf-m, 5.9 ft-lb)**

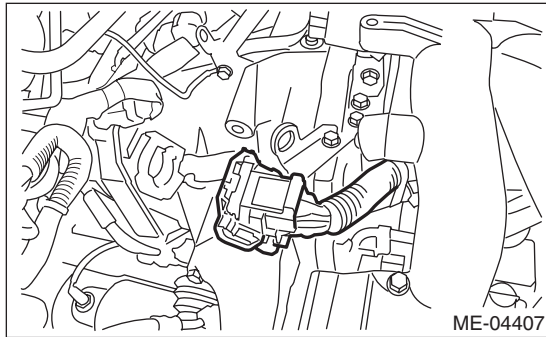
11) Install the engine hanger bracket.

**Tightening torque:**

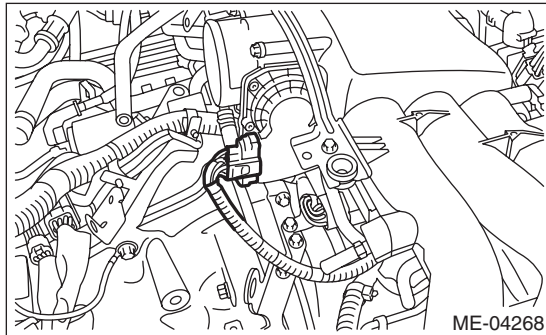
**19 N·m (1.9 kgf-m, 14.0 ft-lb)**



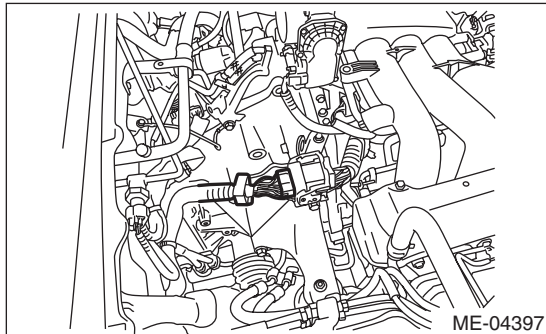
- 12) Install the engine harness connector to the engine hanger bracket.



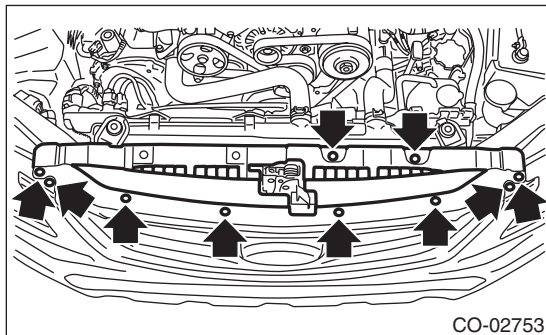
- 13) Connect the connector to the throttle body.



- 14) Connect the engine harness.



- 15) Attach the grille bracket.



- 16) Install the air intake duct, air cleaner case and air intake boot assembly. <Ref. to IN(H6DO)-8, INSTALLATION, Air Intake Duct.> <Ref. to IN(H6DO)-5, INSTALLATION, Air Cleaner Case.> <Ref. to IN(H6DO)-7, INSTALLATION, Air Intake Boot.>

- 17) Connect the ground cable to battery.

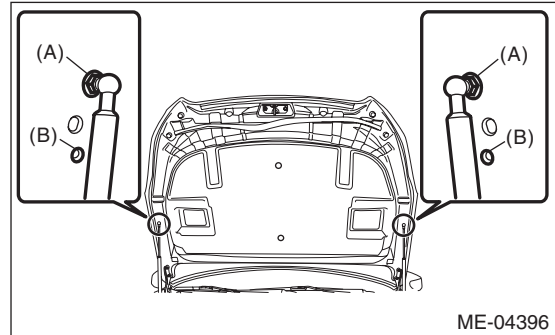
- 18) Fill engine coolant. <Ref. to CO(H6DO)-12, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

- 19) Install the collector cover.

- 20) Change the front hood damper bolt mounting position from (B) to (A), and completely close the front hood.

## Tightening torque:

**20 N·m (2.0 kgf-m, 14.8 ft-lb)**



## C: INSPECTION

Check that the front mount and front mount bracket have no deformation, cracks and other damages.