

# Engine Mounting

MECHANICAL

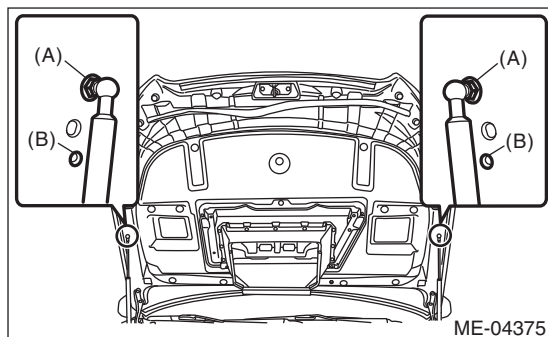
## 10. Engine Mounting

### A: REMOVAL

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

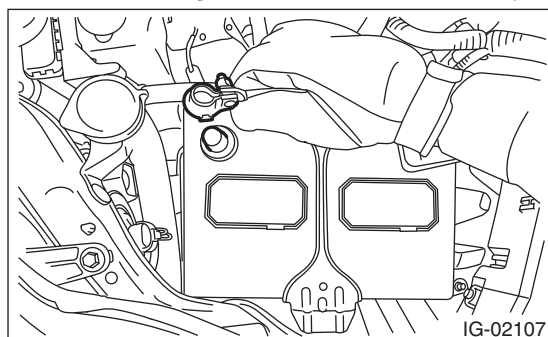
**Tightening torque:**

**20 N·m (2.0 kgf·m, 14.8 ft-lb)**



2) Remove the collector cover.

3) Disconnect the ground cable from battery.



4) Remove the intercooler. <Ref. to IN(H4DOTC)-17, REMOVAL, Intercooler.>

5) Remove the radiator main fan motor assembly and radiator sub fan motor assembly. <Ref. to CO(H4DOTC)-25, REMOVAL, Radiator Main Fan and Fan Motor.> <Ref. to CO(H4DOTC)-27, REMOVAL, Radiator Sub Fan and Fan Motor.>

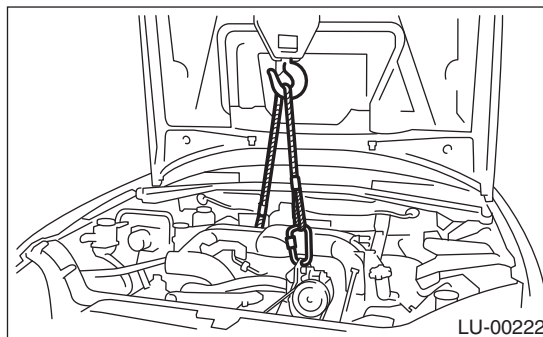
6) Lift up the vehicle.

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

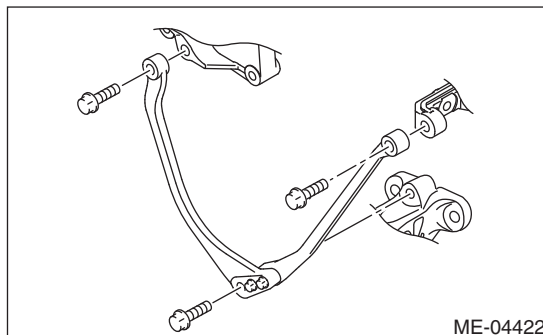
8) Remove the front exhaust pipe. <Ref. to EX(H4DOTC)-5, REMOVAL, Front Exhaust Pipe.>

9) Lower the vehicle.

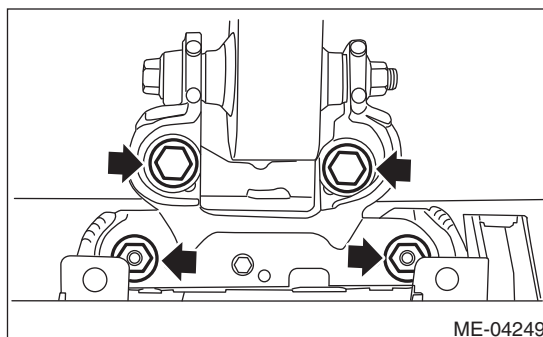
10) Support the engine with a lifting device and wire ropes.



11) Remove the stopper rod.



12) Remove the bolt and nut which secure engine mounting to the cradle.

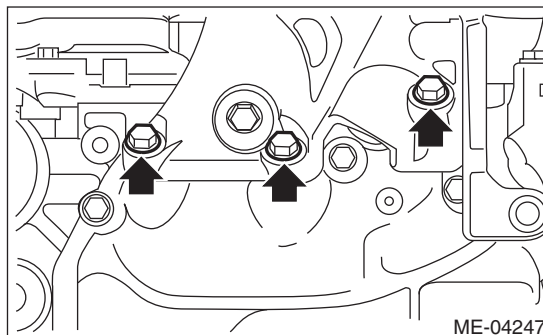


13) Lift up the vehicle.

### CAUTION:

**When lifting up the vehicle, raise up wire ropes at the same time.**

14) Remove the bolts which secure the engine mounting onto the engine, and remove the engine mounting.

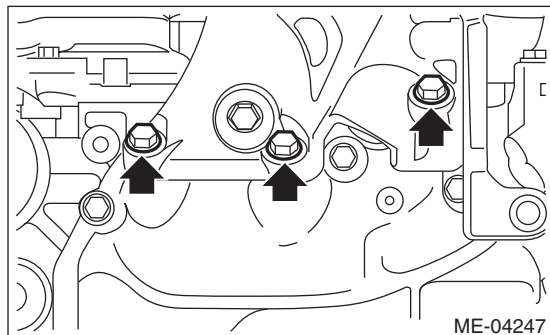


## B: INSTALLATION

1) Set the engine mounting, and tighten the bolts which hold engine mounting to the engine.

**Tightening torque:**

**58 N·m (5.9 kgf·m, 42.8 ft·lb)**



2) Lower the vehicle.

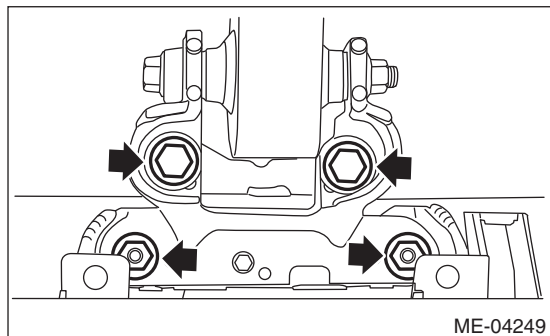
**CAUTION:**

**When lifting down the vehicle, lower wire ropes at the same time.**

3) Attach the bolts and nuts which secure engine mounting to the cradle.

**Tightening torque:**

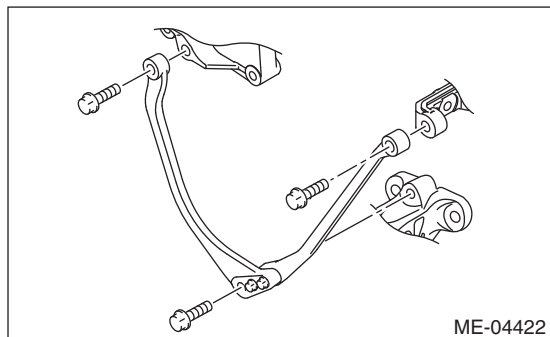
**60 N·m (6.1 kgf·m, 44.3 ft·lb)**



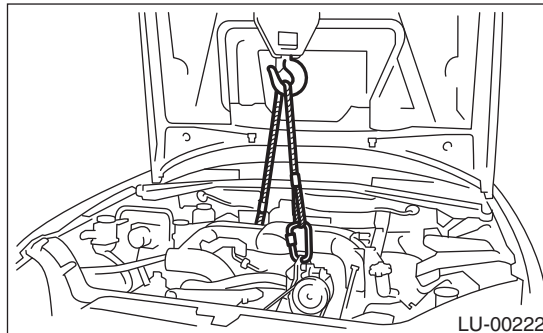
4) Install the stopper rod.

**Tightening torque:**

**36 N·m (3.7 kgf·m, 26.6 ft·lb)**



5) Remove the lifting device and wire ropes.



6) Lift up the vehicle.

7) Install the front exhaust pipe. <Ref. to EX(H4DOTC)-7, INSTALLATION, Front Exhaust Pipe.>

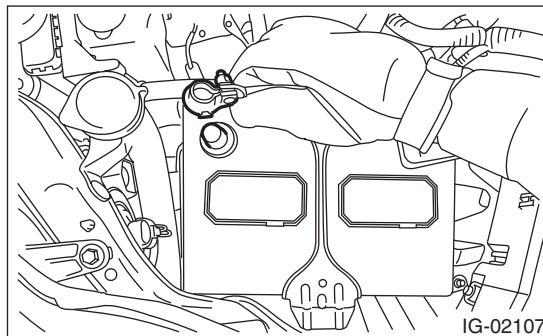
8) Install the under cover. <Ref. to EI-35, INSTALLATION, Front Under Cover.>

9) Lower the vehicle.

10) Install the radiator main fan motor assembly and radiator sub fan motor assembly. <Ref. to CO(H4DOTC)-25, INSTALLATION, Radiator Main Fan and Fan Motor.> <Ref. to CO(H4DOTC)-27, INSTALLATION, Radiator Sub Fan and Fan Motor.>

11) Install the intercooler. <Ref. to IN(H4DOTC)-18, INSTALLATION, Intercooler.>

12) Connect the ground cable to battery.

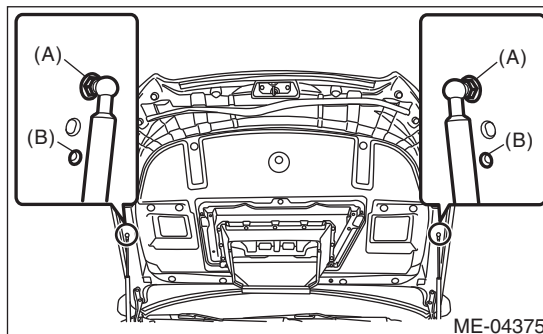


13) Install the collector cover.

14) Change the front hood damper mounting position from (B) to (A), and close the front hood.

**Tightening torque:**

**20 N·m (2.0 kgf·m, 14.8 ft·lb)**

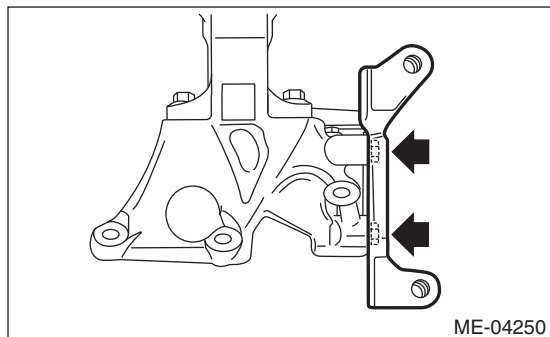


# Engine Mounting

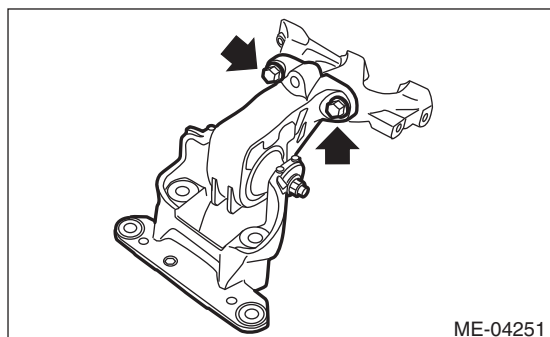
MECHANICAL

## C: DISASSEMBLY

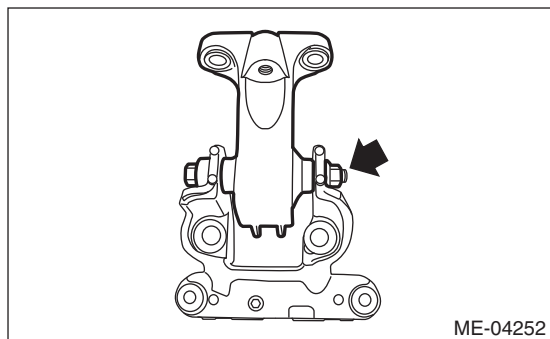
1) Remove the turbocharger upper stay from the engine mounting bracket.



2) Remove the front cushion rubber from the engine mounting bracket.



3) Remove the front cushion rubber from the front mounting bracket.

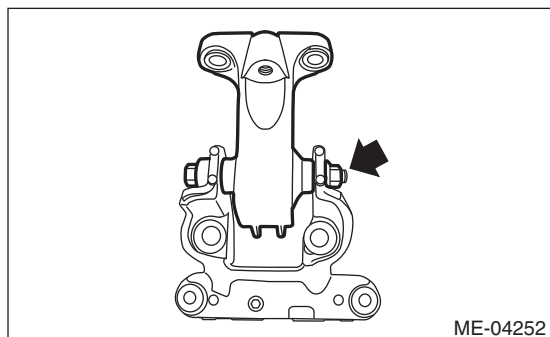


## D: ASSEMBLY

1) Install the front cushion rubber to the front mounting bracket.

**Tightening torque:**

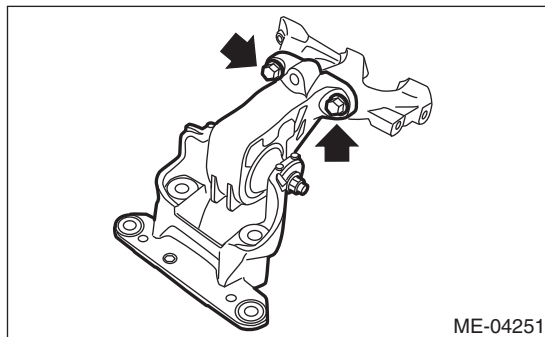
**45 N-m (4.6 kgf-m, 33.2 ft-lb)**



2) Install the front cushion rubber to the engine mounting bracket.

**Tightening torque:**

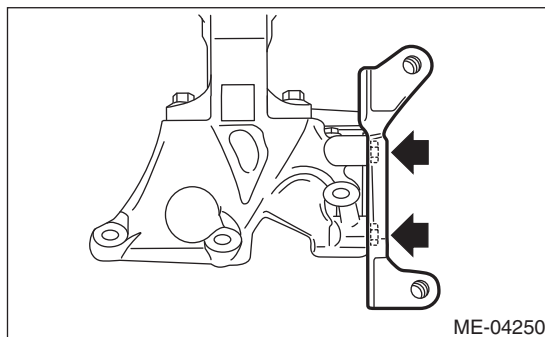
**25 N-m (2.5 kgf-m, 18.4 ft-lb)**



3) Install the turbocharger upper stay to the engine mounting bracket.

**Tightening torque:**

**33 N-m (3.4 kgf-m, 24.3 ft-lb)**



## E: INSPECTION

Check that the engine mounting does not have deformation, cracks and any other damage.