

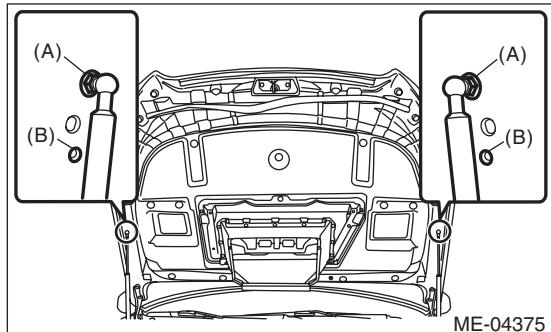
## 10. Engine Mounting

### A: REMOVAL

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

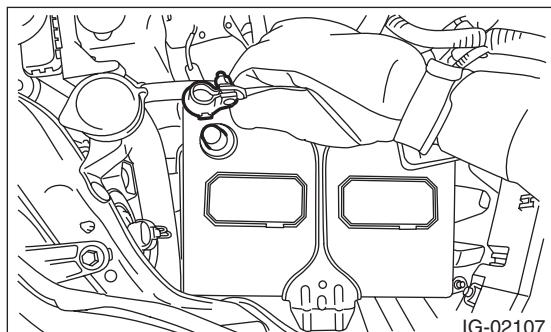
#### **Tightening torque:**

**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.>

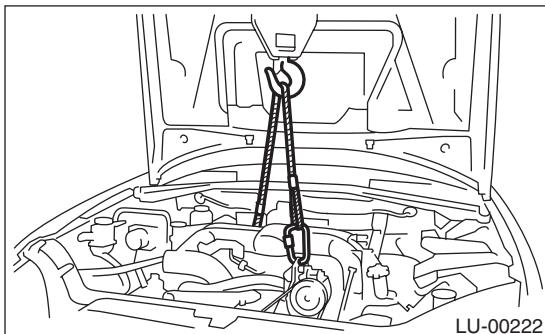
6) Lift up the vehicle.

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

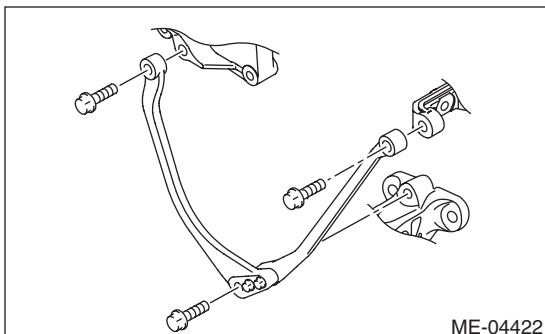
8) Remove the front exhaust pipe. <Ref. to EX(H4DOTC)-5, REMOVAL, Front Exhaust Pipe.>

9) Lower the vehicle.

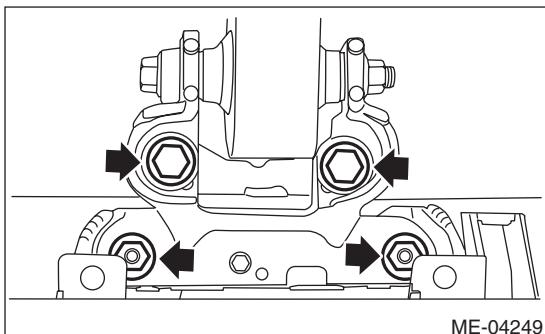
10) Support the engine with a lifting device and wire ropes.



11) Remove the stopper rod.



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

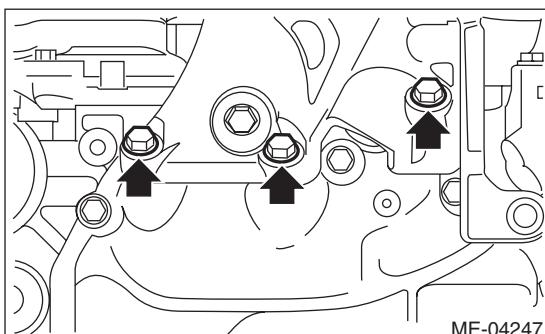


13) Lift up the vehicle.

#### **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.

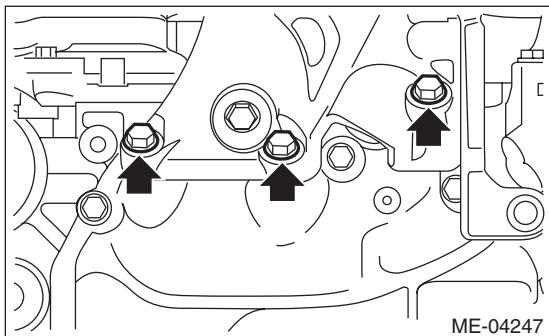


### B: INSTALLATION

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.

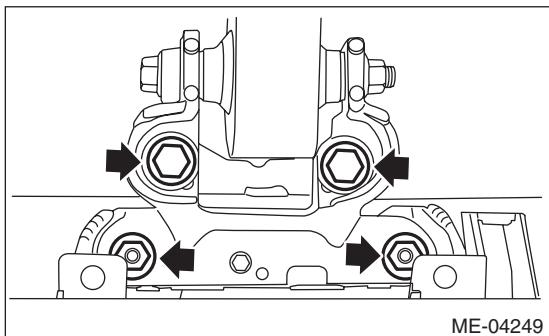
**CAUTION:**

**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:**

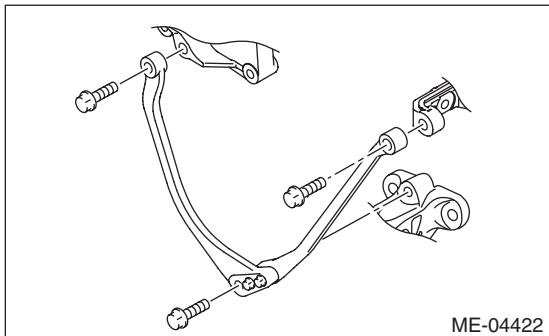
**60 N·m (6.1 kgf·m, 44.3 ft-lb)**



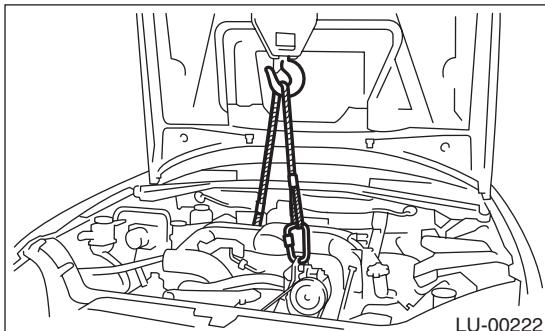
4) Install the stopper rod.

**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.>

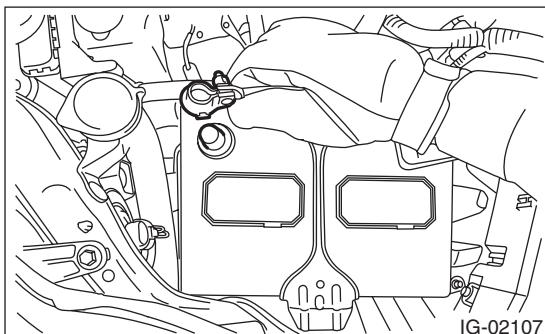
8) Install the under cover. <Ref. to EI-35, INSTALLATION, Front Under Cover.>

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.

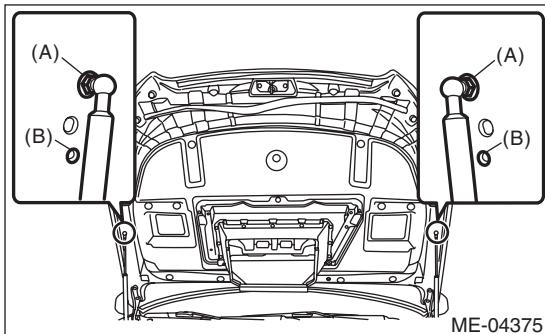


13) Install the collector cover.

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

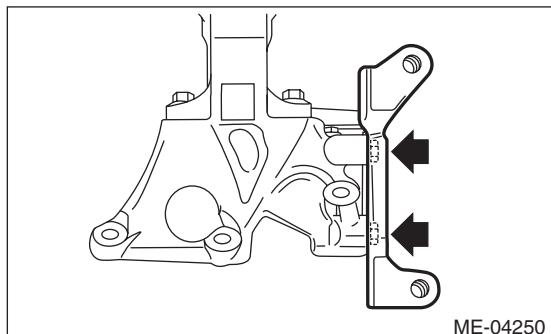
**Tightening torque:**

**20 N·m (2.0 kgf·m, 14.8 ft-lb)**

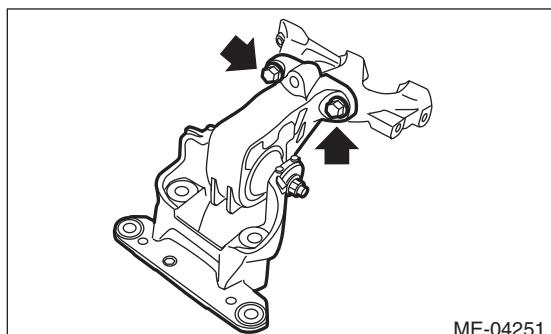


## C: DISASSEMBLY

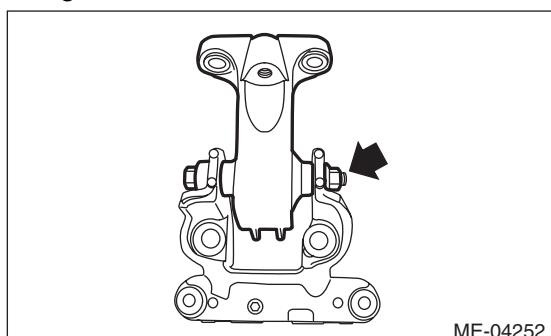
- 1) Remove the turbocharger upper stay from the engine mounting bracket.



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



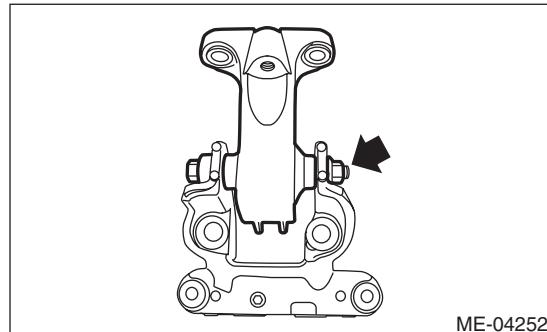
- 3) Remove the front cushion rubber from the front mounting bracket.



## D: ASSEMBLY

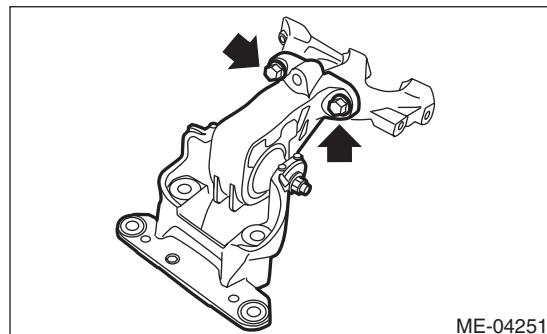
- 1) Install the front cushion rubber to the front mounting bracket.

**Tightening torque:**  
 $45 \text{ N}\cdot\text{m} (4.6 \text{ kgf}\cdot\text{m}, 33.2 \text{ ft-lb})$



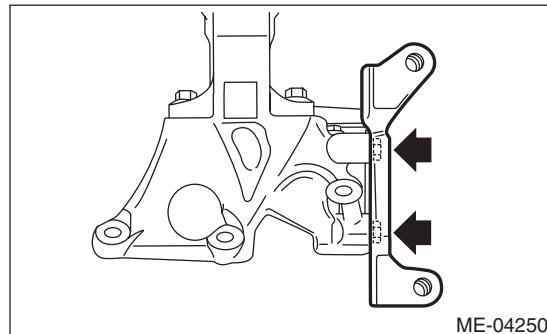
- 2) Install the front cushion rubber to the engine mounting bracket.

**Tightening torque:**  
 $25 \text{ N}\cdot\text{m} (2.5 \text{ kgf}\cdot\text{m}, 18.4 \text{ ft-lb})$



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

**Tightening torque:**  
 $33 \text{ N}\cdot\text{m} (3.4 \text{ kgf}\cdot\text{m}, 24.3 \text{ ft-lb})$



## E: INSPECTION

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