

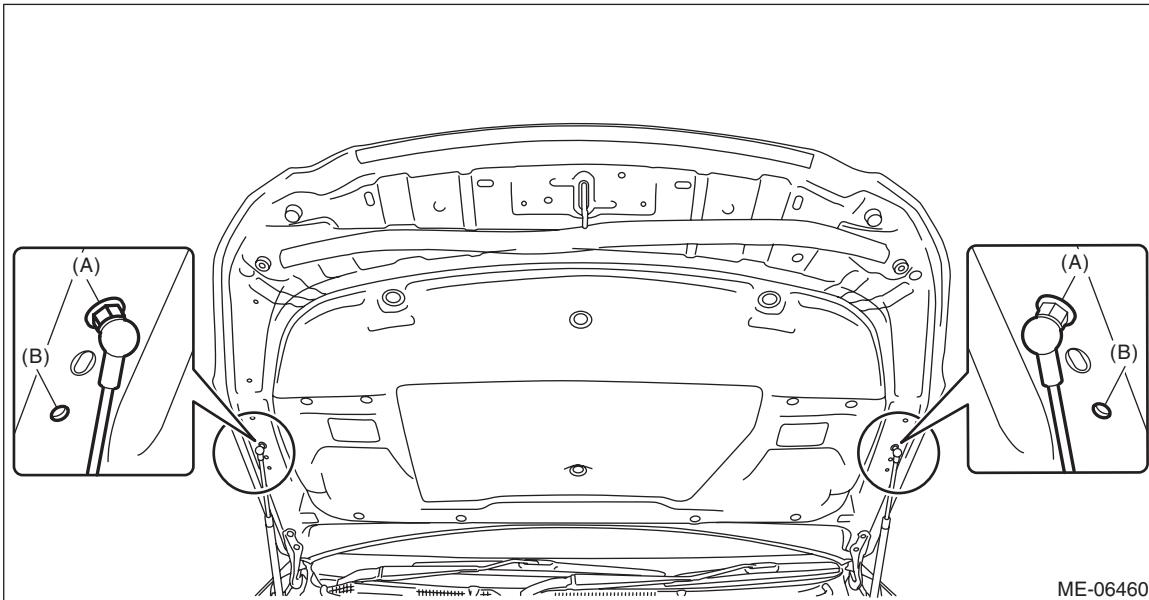
## 10. Engine Mounting

### A: REMOVAL

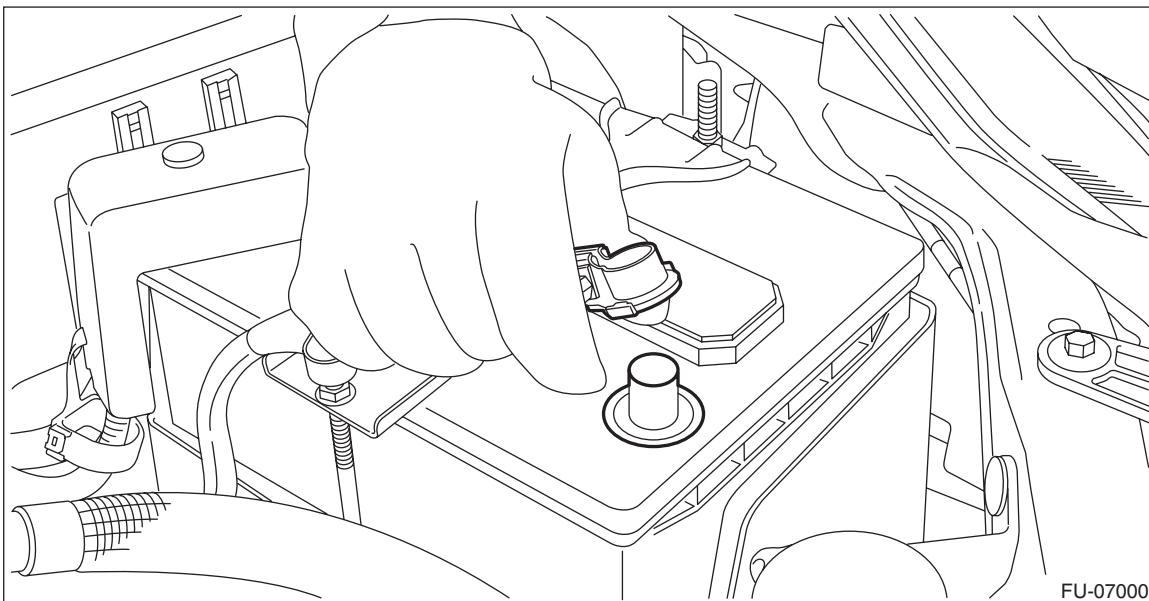
1) Change the front hood damper mounting position from (A) to (B), and completely open the front hood.

**Tightening torque:**

20 N·m (2.0 kgf·m, 14.8 ft-lb)



2) Disconnect the ground cable from battery.

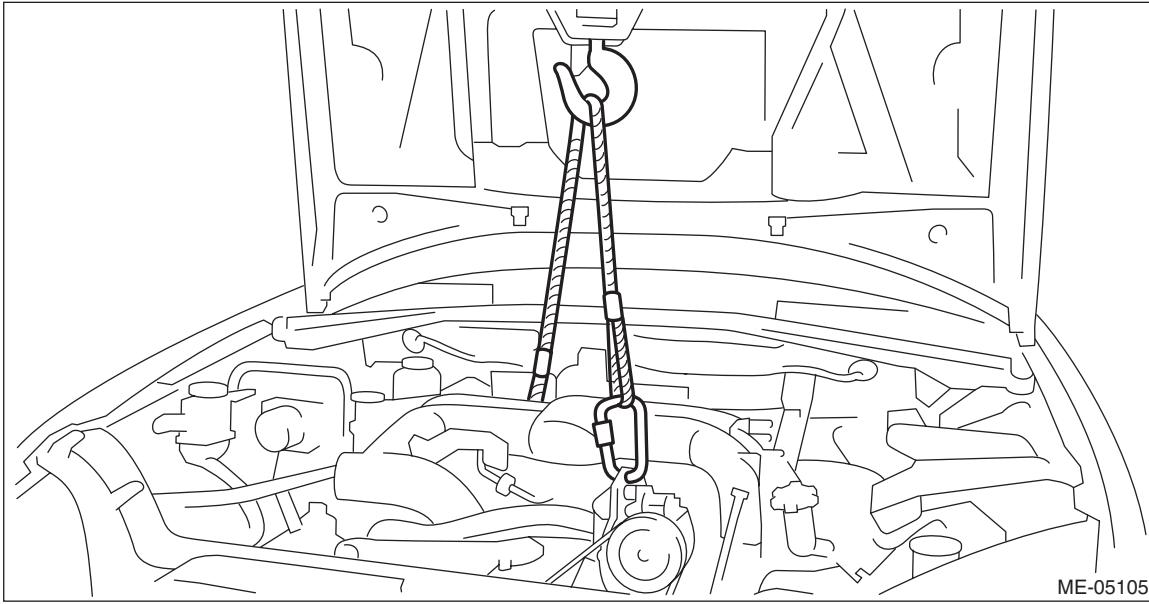


3) Remove the radiator main fan motor assembly and radiator sub fan motor assembly. <Ref. to CO(H4DO)-35, REMOVAL, Radiator Main Fan and Fan Motor.> <Ref. to CO(H4DO)-38, REMOVAL, Radiator Sub Fan and Fan Motor.>

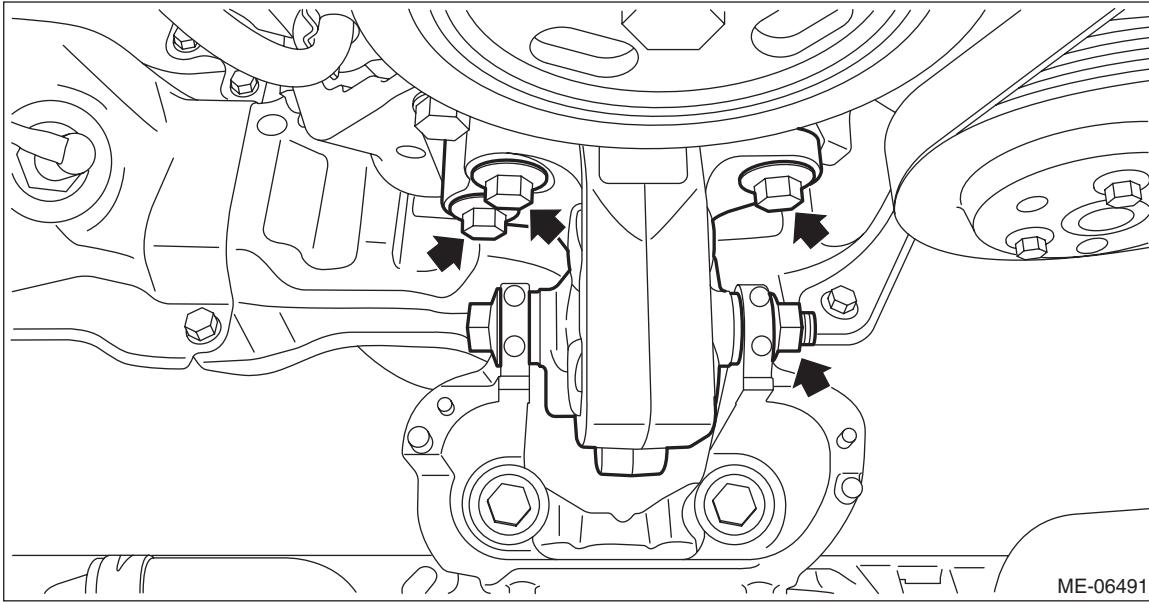
# Engine Mounting

## MECHANICAL

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



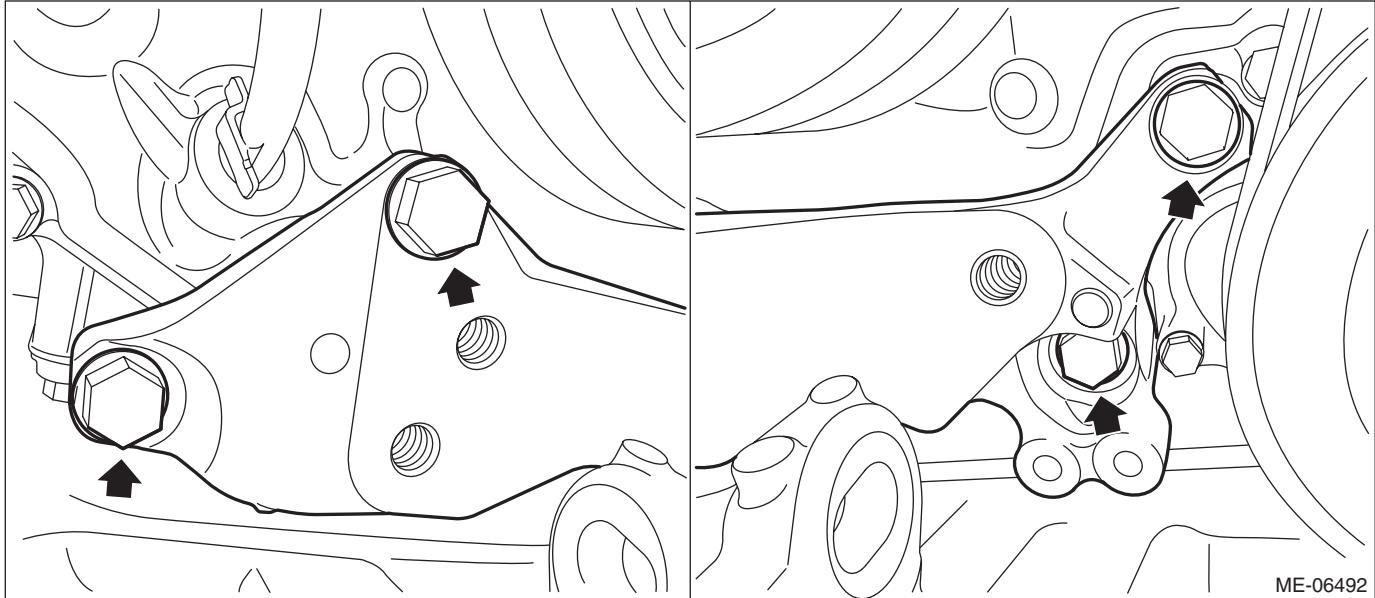
5) Remove the front cushion rubber from the front mounting bracket and engine mounting bracket.



# Engine Mounting

## MECHANICAL

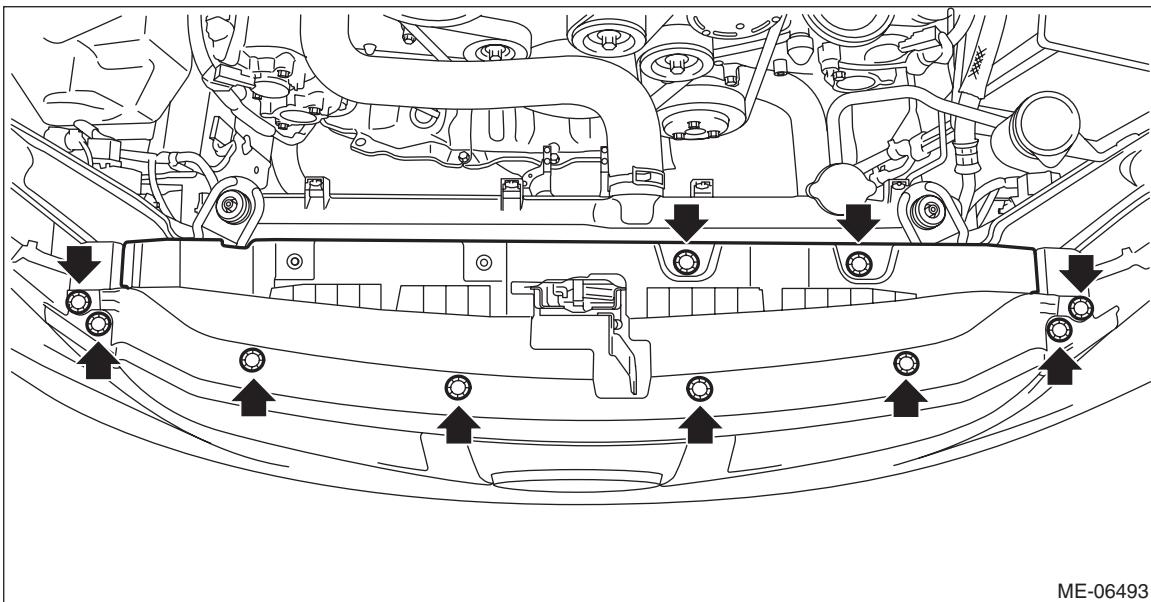
6) Remove the engine mounting bracket from the engine assembly.



7) Remove the grille bracket.

NOTE:

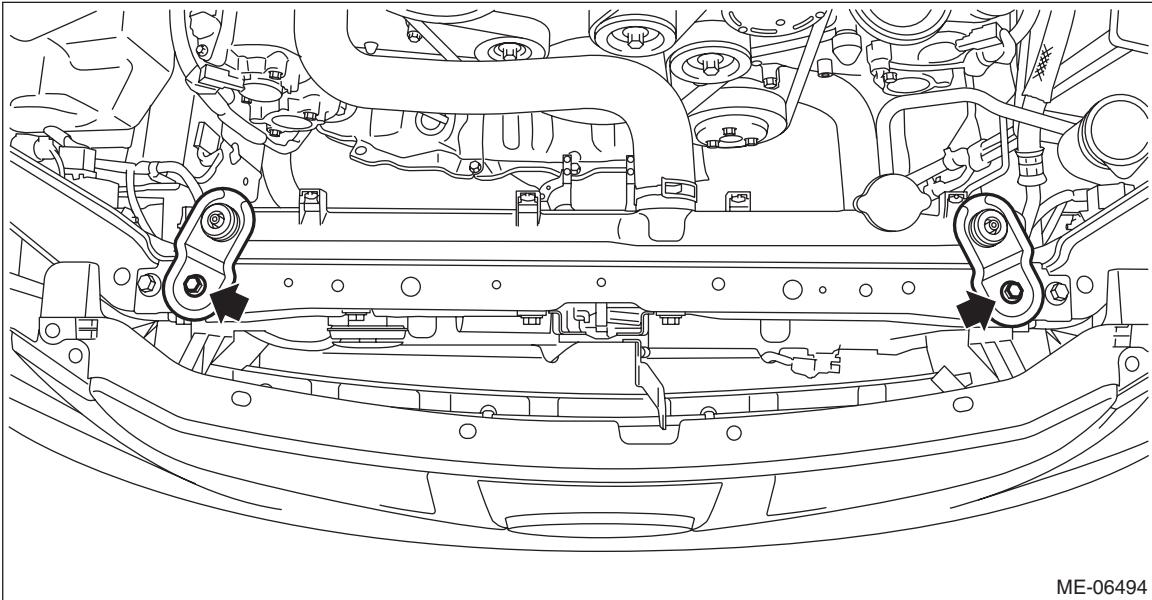
Remove ten clips when removing the grille bracket.



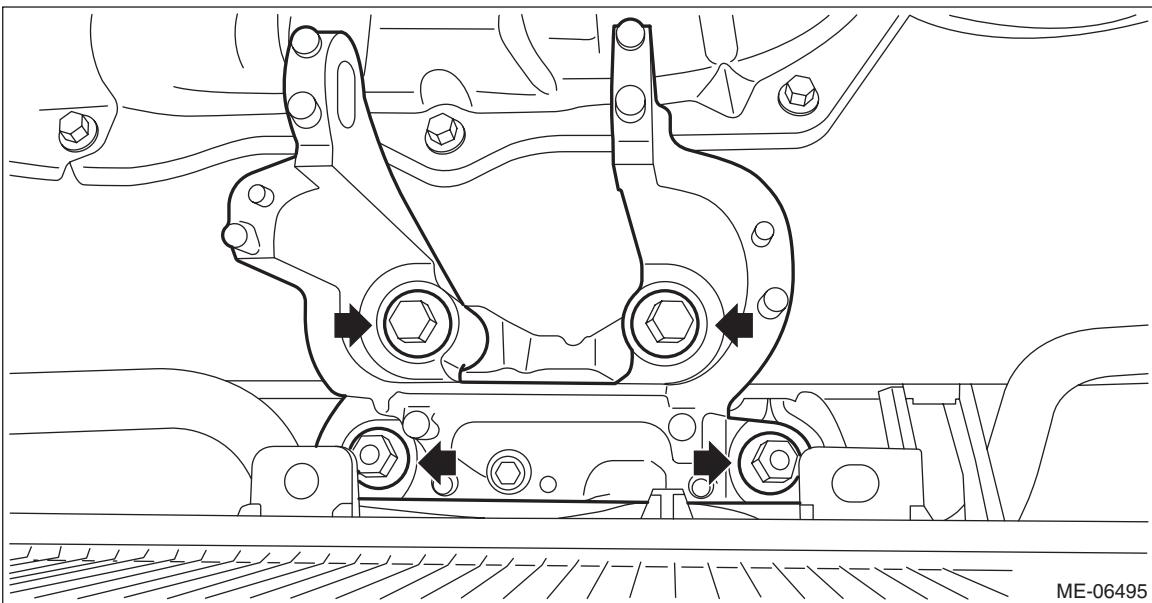
# Engine Mounting

## MECHANICAL

8) Remove the radiator upper brackets.



9) Slide the radiator to the right and left, and remove the front mounting bracket.

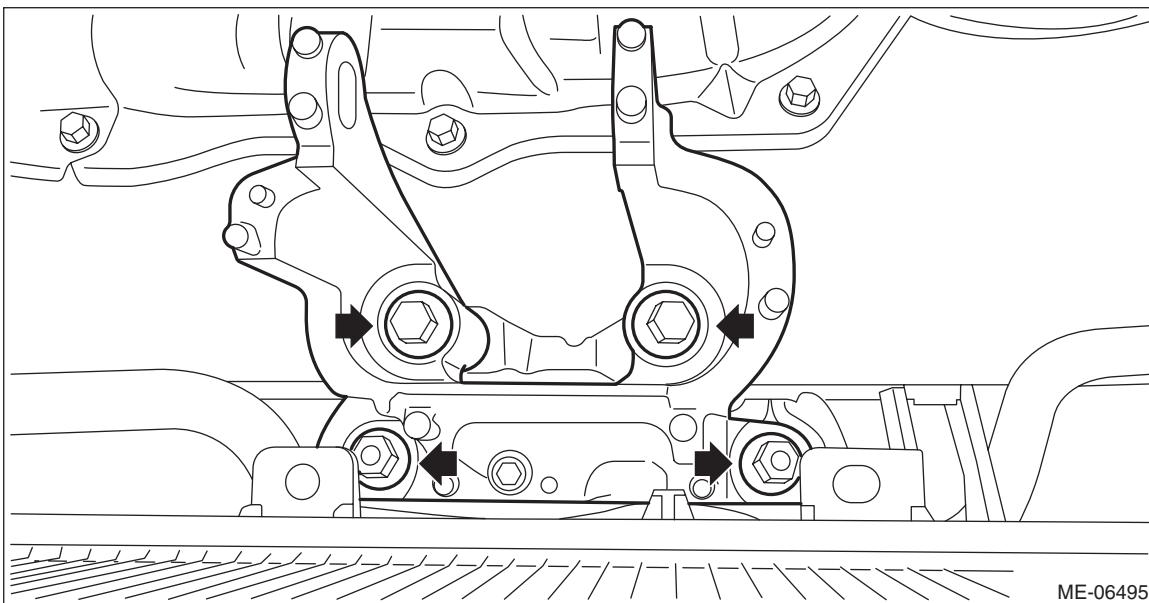


## B: INSTALLATION

- 1) Slide the radiator to the right and left, and install the front mounting bracket.

**Tightening torque:**

**60 N·m (6.1 kgf·m, 44.3 ft-lb)**

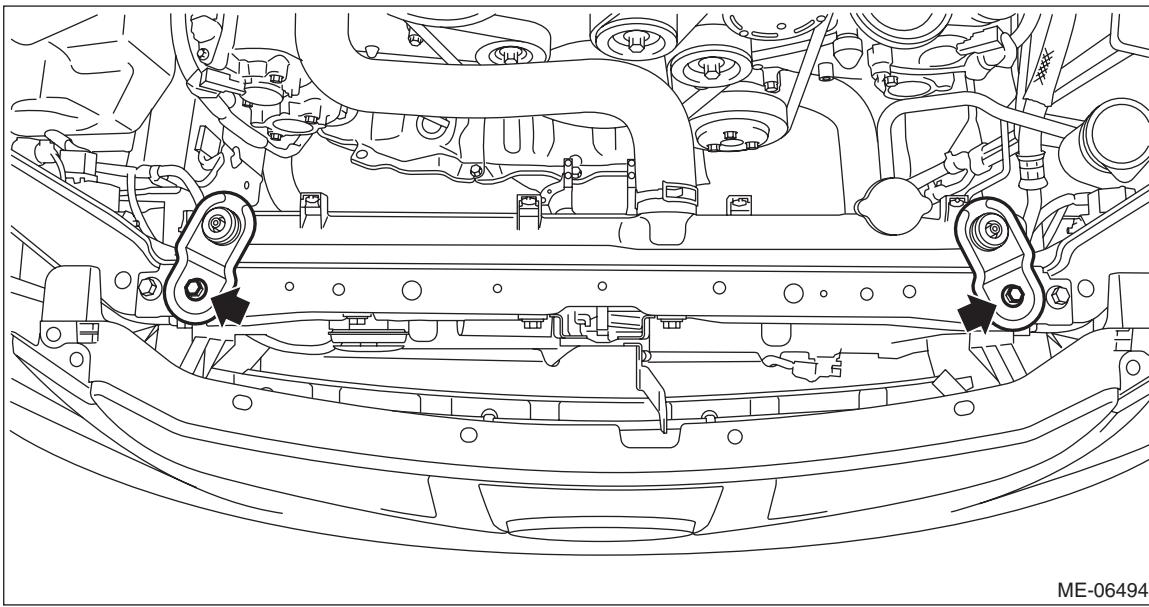


- 2) Make pins on the lower side of radiator be fitted into the radiator lower cushions.

- 3) Install the radiator upper brackets.

**Tightening torque:**

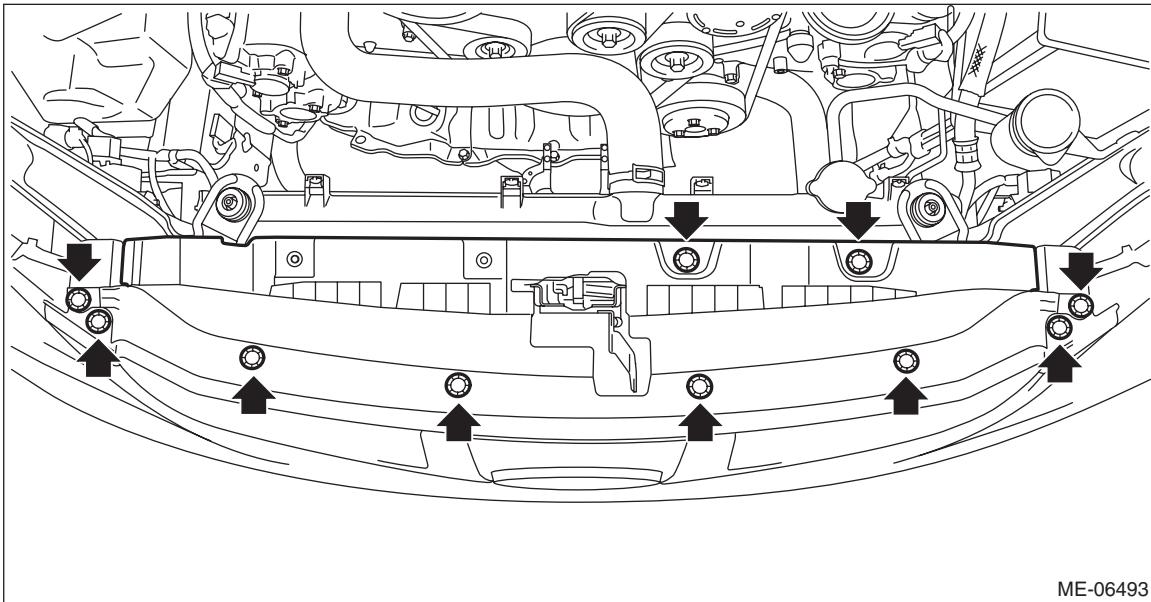
**12 N·m (1.2 kgf·m, 8.9 ft-lb)**



# Engine Mounting

## MECHANICAL

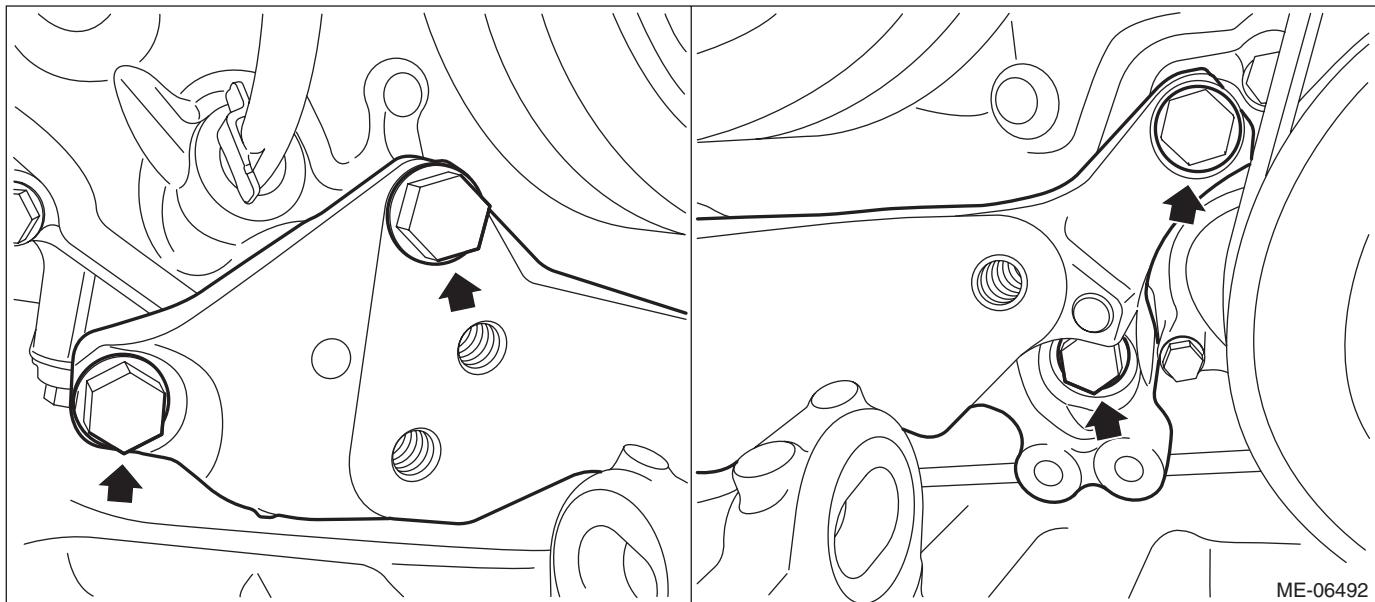
- 4) Attach the grille bracket.



- 5) Install the engine mounting bracket onto the engine.

**Tightening torque:**

**30 N·m (3.1 kgf·m, 22.1 ft·lb)**

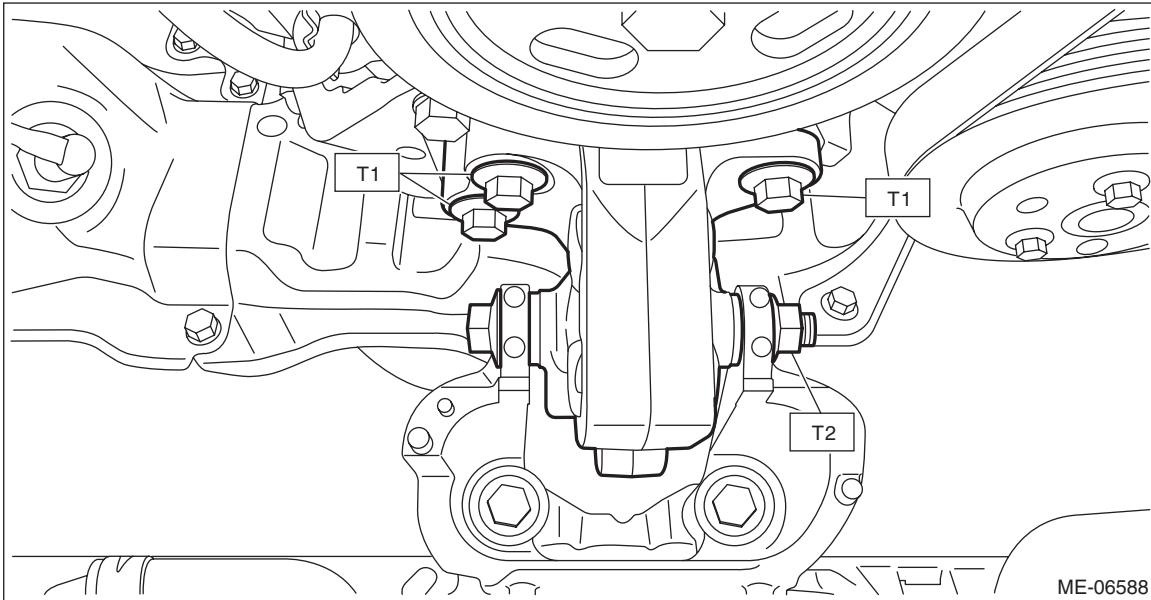


6) Install the front cushion rubber to the front mounting bracket and engine mounting bracket.

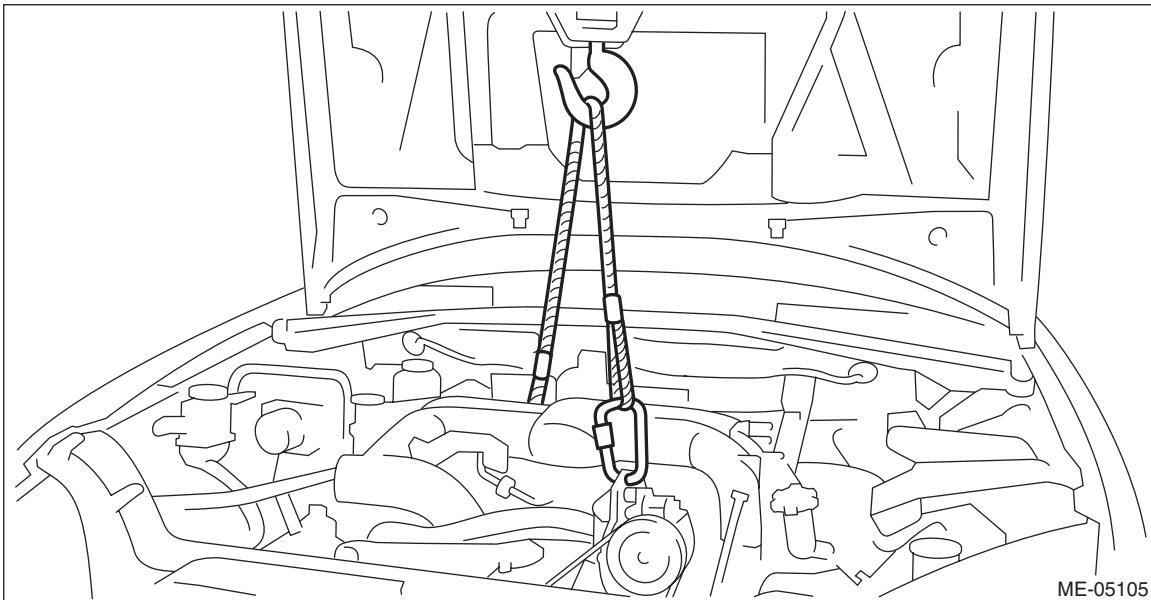
**Tightening torque:**

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

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



7) Remove the lifting device and wire ropes.

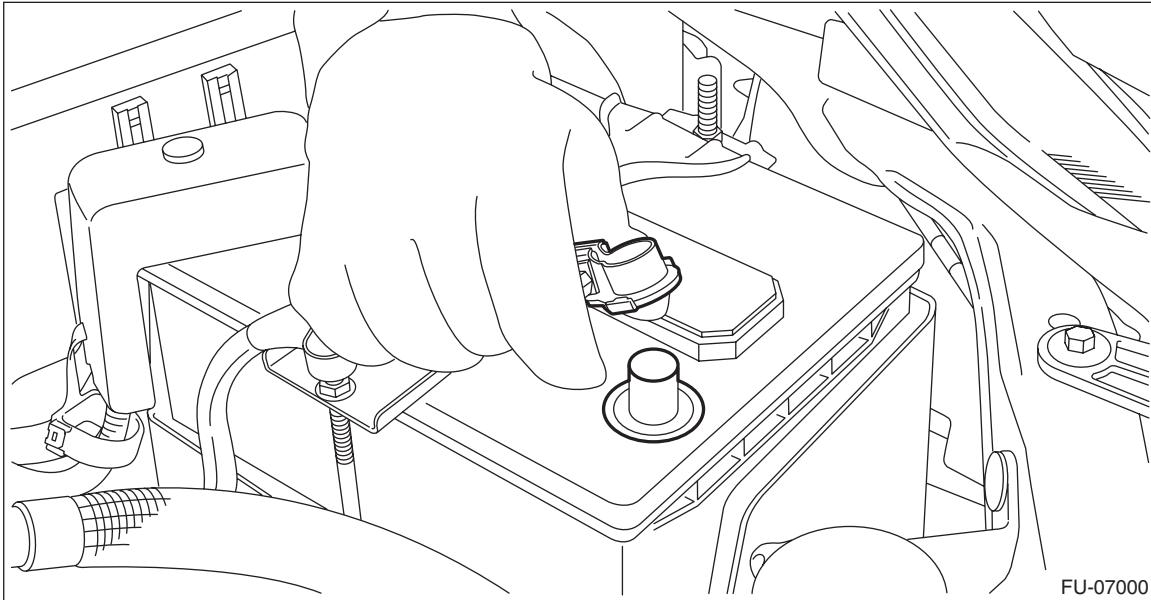


8) Install the radiator main fan motor assembly and radiator sub fan motor assembly. <Ref. to CO(H4DO)-36, INSTALLATION, Radiator Main Fan and Fan Motor.> <Ref. to CO(H4DO)-39, INSTALLATION, Radiator Sub Fan and Fan Motor.>

# Engine Mounting

## MECHANICAL

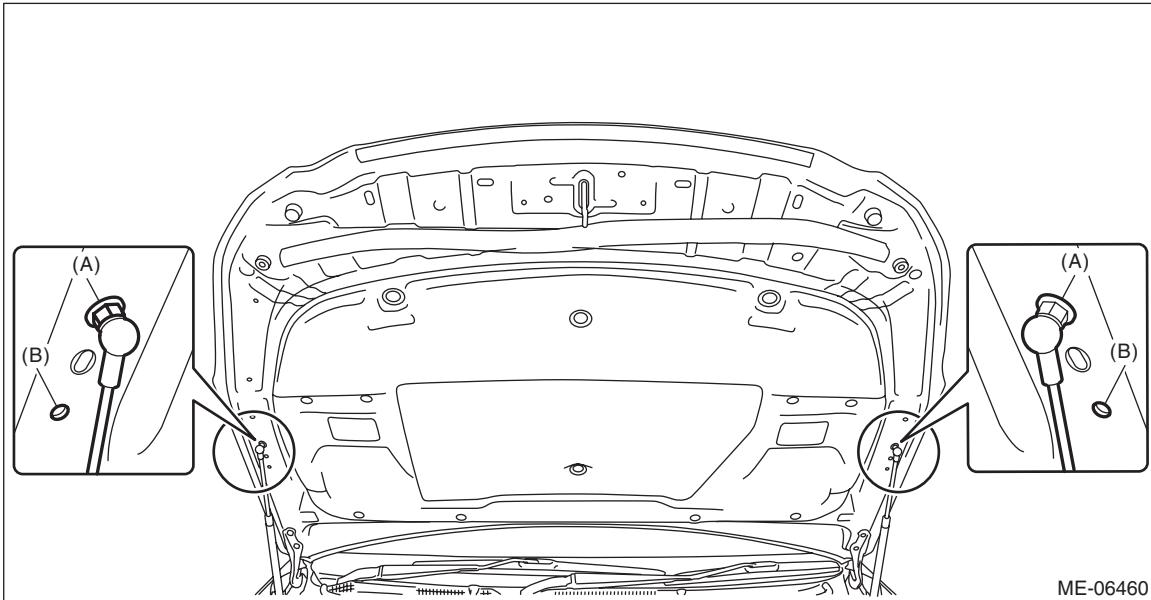
9) Connect the battery ground terminal.



10) 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: INSPECTION**

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