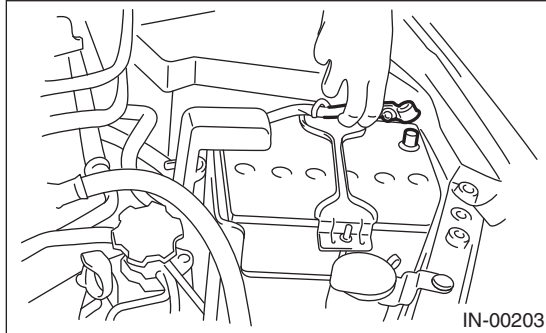


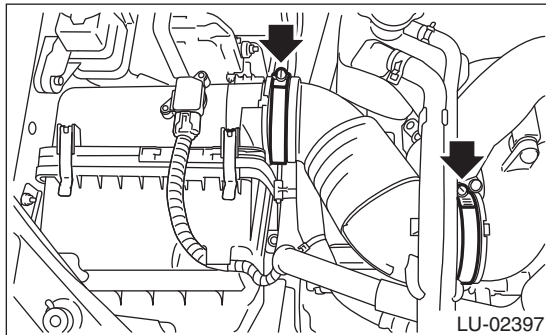
## 5. Oil Pan and Strainer

### A: REMOVAL

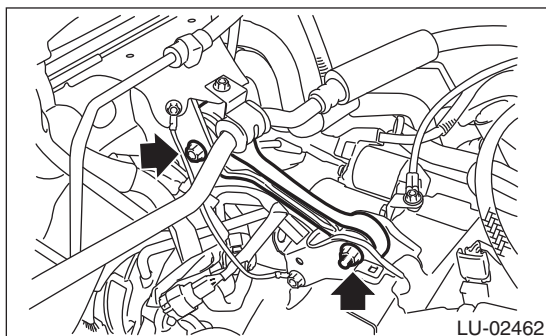
- 1) Set the vehicle on a lift.
- 2) Remove the collector cover.
- 3) Disconnect the ground cable from the battery.



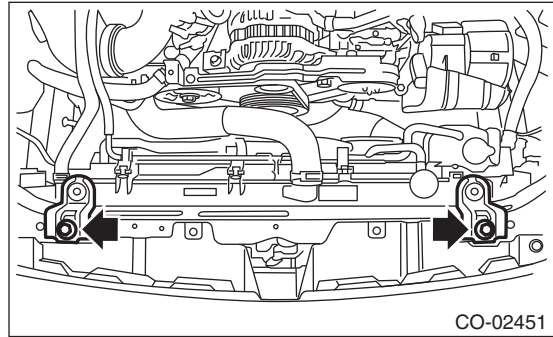
- 4) Remove the air intake duct. <Ref. to IN(H4DOTC)-9, REMOVAL, Air Intake Duct.>
- 5) Remove the air intake boot.



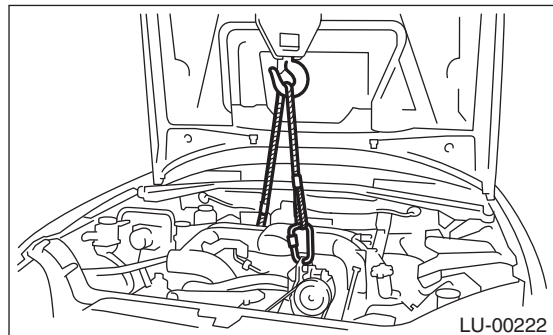
- 6) Remove the intercooler.  
<Ref. to IN(H4DOTC)-11, REMOVAL, Intercooler.>
- 7) Remove the pitching stopper.



- 8) Remove the radiator upper brackets.



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

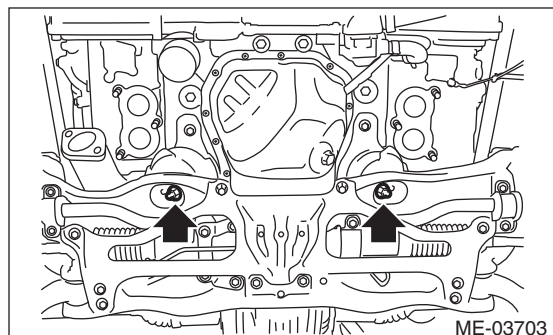


- 10) Lift up the vehicle.

#### CAUTION:

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

- 11) Remove the under cover.
- 12) Drain the engine oil. <Ref. to LU(H4DOTC)-8, REPLACEMENT, Engine Oil.>
- 13) Remove the front exhaust pipe.  
<Ref. to EX(H4DOTC)-5, REMOVAL, Front Exhaust Pipe.>
- 14) Remove the nuts which install engine mount onto front crossmember.



- 15) Remove the bolts which install oil pan on cylinder block with the engine raised up.
- 16) Insert an oil pan cutter blade between cylinder block-to-oil pan clearance and remove the oil pan.

#### CAUTION:

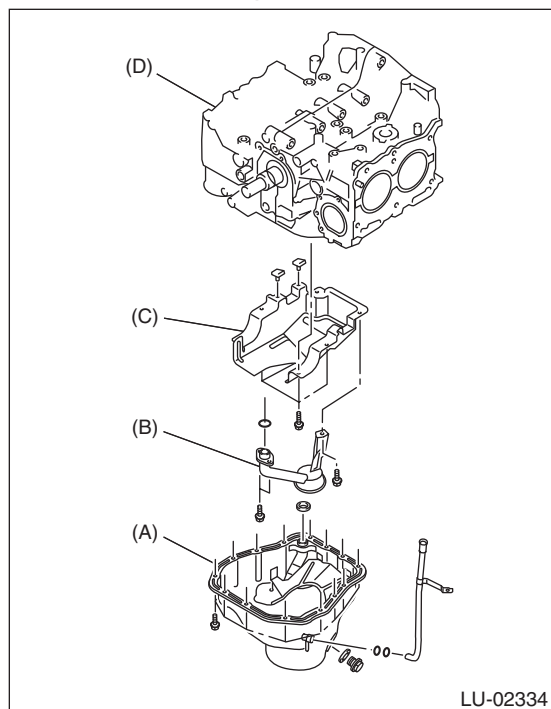
**Do not use a screwdriver or similar tool in place of oil pan cutter.**

- 17) Remove the oil strainer.

# Oil Pan and Strainer

## LUBRICATION

18) Remove the baffle plate.



- (A) Oil pan
- (B) Oil strainer
- (C) Baffle plate
- (D) Cylinder block

## B: INSTALLATION

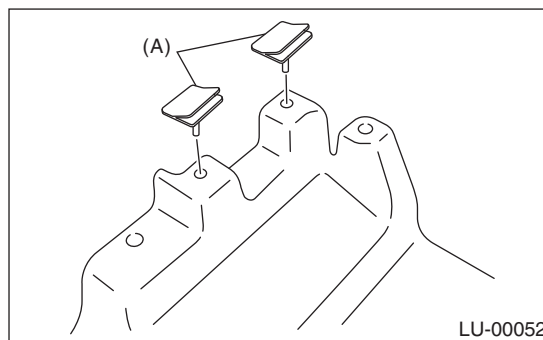
### NOTE:

Before installing the oil pan, clean the mating surface of oil pan and engine block.

1) Make sure that the seals (A) are installed securely on the baffle plate in a direction as shown in the figure below.

### NOTE:

Use new seals.



2) Install the baffle plate.

### **Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

3) Install the oil strainer to the cylinder block.

### NOTE:

Use new O-rings.

### **Tightening torque:**

**10 N·m (1.0 kgf-m, 7.2 ft-lb)**

4) Tighten the oil strainer stay together with the baffle plate.

### **Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

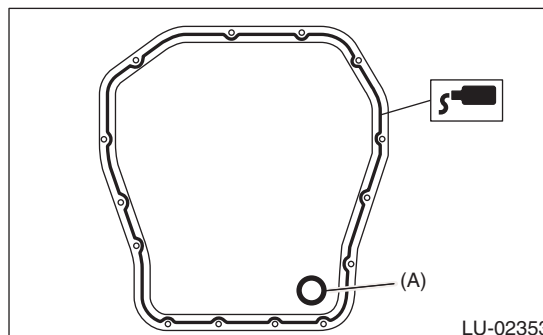
5) Apply liquid gasket to the mating surfaces of the oil pan, and install the oil pan.

### NOTE:

- Use a new gasket.
- Install within 5 min. after applying liquid gasket.

### **Liquid gasket:**

**THREE BOND 1217G (Part No. K0877Y0100)  
or equivalent**



- (A) Gasket

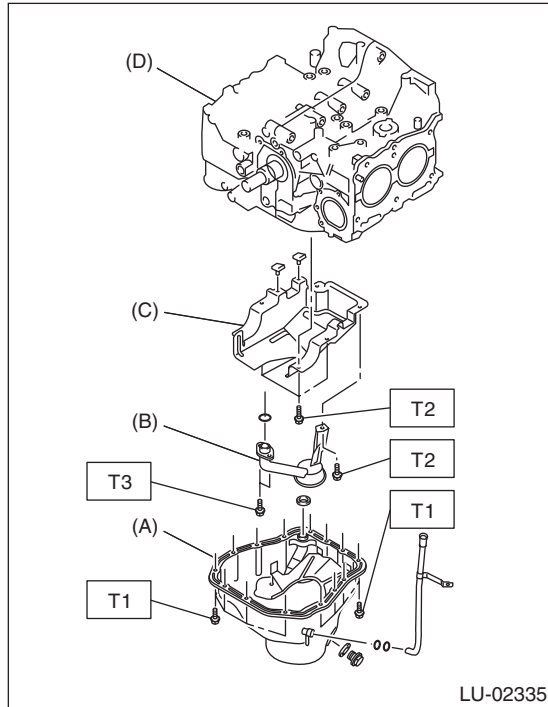
6) Tighten the bolts which install oil pan to cylinder block.

**Tightening torque:**

**T1: 5 N·m (0.5 kgf-m, 3.7 ft-lb)**

**T2: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

**T3: 10 N·m (1.0 kgf-m, 7.2 ft-lb)**



- (A) Oil pan
- (B) Oil strainer
- (C) Baffle plate
- (D) Cylinder block

7) Lower the engine onto front crossmember.

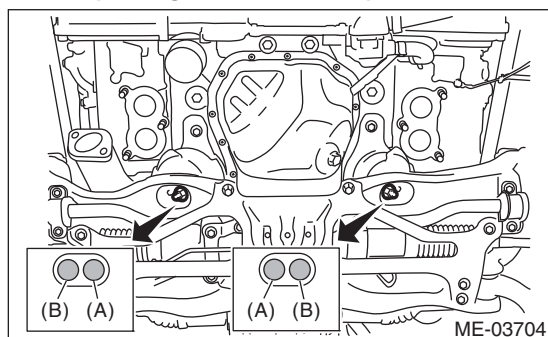
8) Tighten the nuts which install engine mount onto front crossmember.

**NOTE:**

Make sure that the engine mount nuts (A) and locator (B) are securely installed.

**Tightening torque:**

**85 N·m (8.7 kgf-m, 62.7 ft-lb)**



9) Install the front exhaust pipe. <Ref. to EX(H4DOTC)-6, INSTALLATION, Front Exhaust Pipe.>

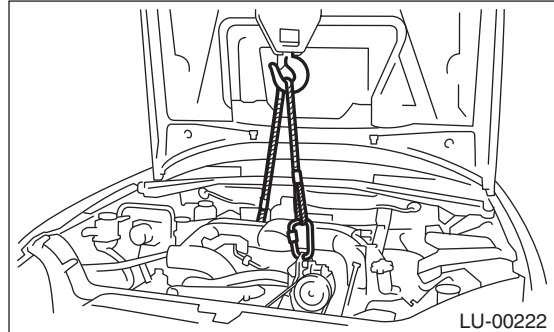
10) Install the under cover.

11) Lower the vehicle.

**CAUTION:**

**When lowering the vehicle, lower the lift up device and wire ropes at the same time.**

12) Remove the lifting device and wire ropes.

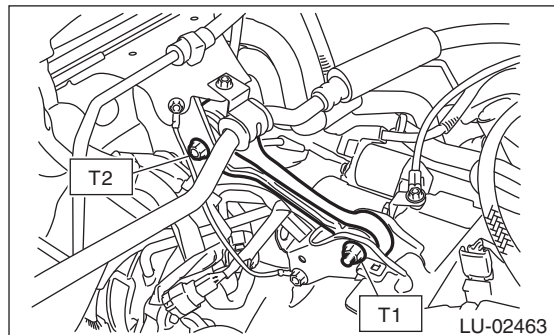


13) Install the pitching stopper.

**Tightening torque:**

**T1: 50 N·m (5.1 kgf-m, 36.9 ft-lb)**

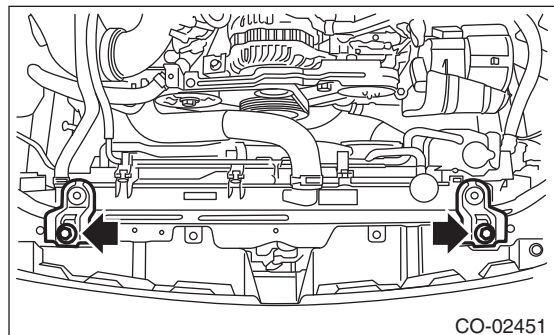
**T2: 58 N·m (5.9 kgf-m, 42.8 ft-lb)**



14) Install the radiator upper brackets.

**Tightening torque:**

**12 N·m (1.2 kgf-m, 8.9 ft-lb)**



15) Install the intercooler. <Ref. to IN(H4DOTC)-12, INSTALLATION, Intercooler.>

## Oil Pan and Strainer

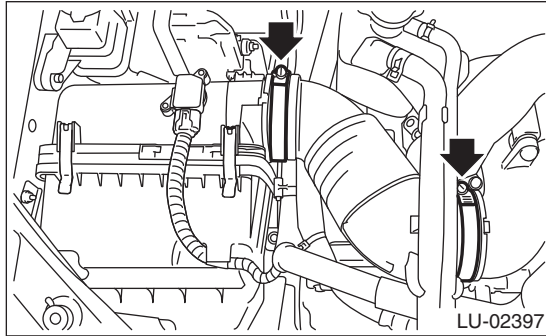
### LUBRICATION

---

16) Install the air intake boot.

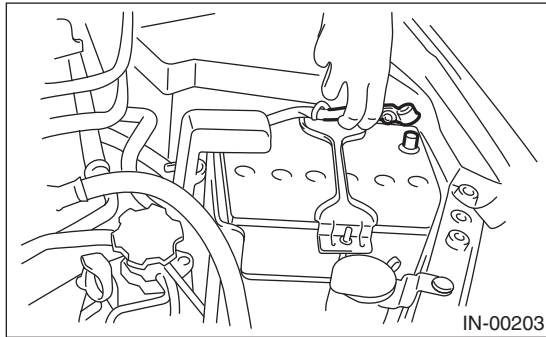
**Tightening torque:**

**2.5 N·m (0.3 kgf-m, 1.8 ft-lb)**



17) Install the air intake duct. <Ref. to IN(H4DOTC)-9, INSTALLATION, Air Intake Duct.>

18) Connect the ground cable to the battery.



19) Refill the engine oil. <Ref. to LU(H4DOTC)-8, REPLACEMENT, Engine Oil.>

20) Install the collector cover.

### **C: INSPECTION**

Visually check that the oil pan, oil strainer, oil strainer stay and baffle plate are not damaged.