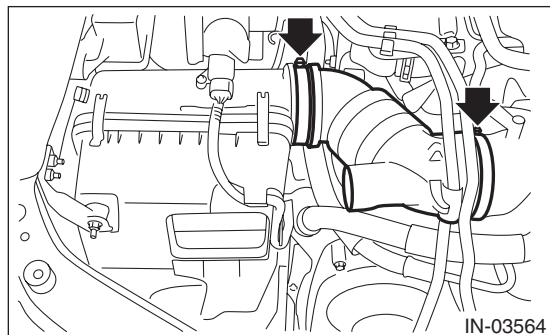


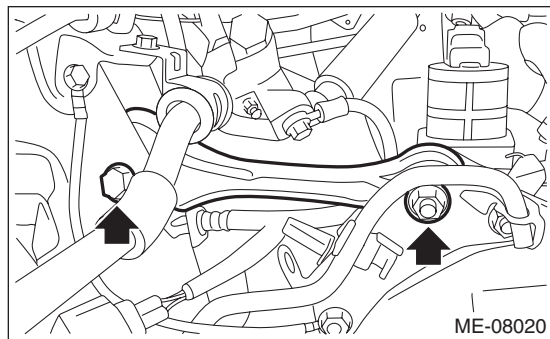
## 5. Oil Pan and Strainer

### A: REMOVAL

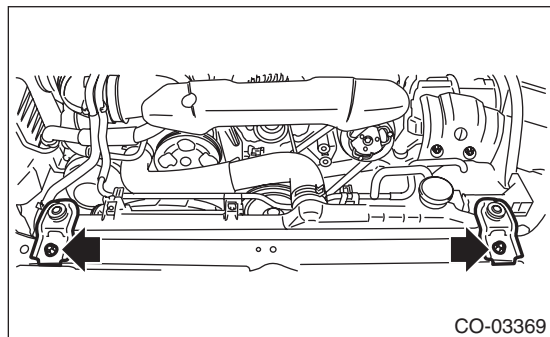
- 1) Disconnect the ground cable from battery.
- 2) Remove the air intake duct. <Ref. to IN(STI)-11, REMOVAL, Air Intake Duct.>
- 3) Remove the intercooler. <Ref. to IN(STI)-13, REMOVAL, Intercooler.>
- 4) Remove the air intake boot.



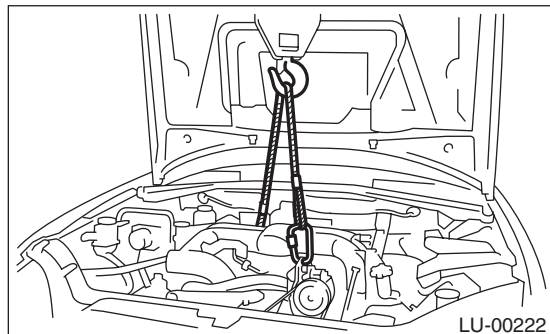
- 5) Remove the pitching stopper.



- 6) Remove the radiator upper brackets.



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

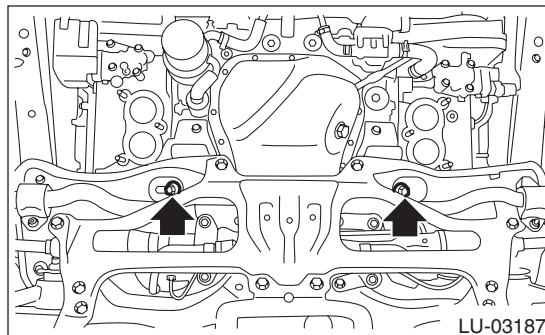


- 8) Lift up the vehicle.

### CAUTION:

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

- 9) Remove the under cover. <Ref. to EI-21, REMOVAL, Front Under Cover.>
- 10) Drain the engine oil. <Ref. to LU(STI)-11, REPLACEMENT, Engine Oil.>
- 11) Remove the front exhaust pipe. <Ref. to EX(STI)-5, REMOVAL, Front Exhaust Pipe.>
- 12) Remove the nuts which secure the engine mounting to the front crossmember.



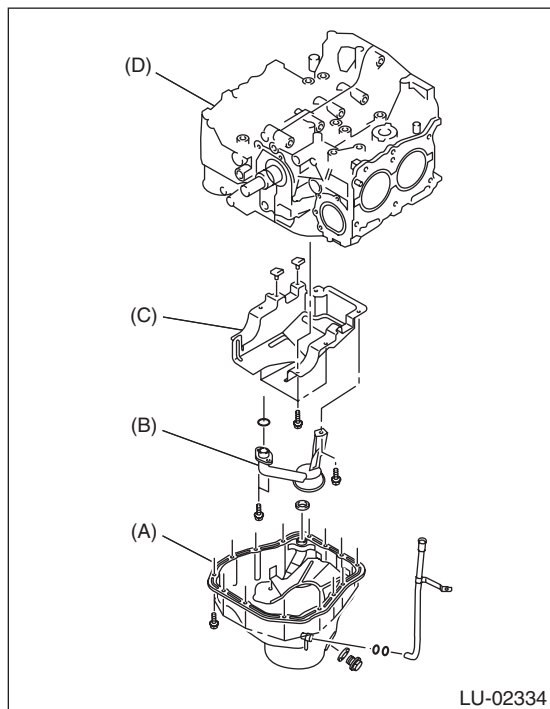
- 13) Remove the bolts which secure oil pan on cylinder block with the engine raised up.
- 14) Insert an oil pan cutter blade between cylinder block-to-oil pan clearance and remove the oil pan.

### CAUTION:

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

- 15) Remove the oil strainer.

16) Remove the baffle plate.



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

3) Install the oil strainer to cylinder block.

NOTE:

Use new O-rings.

**Tightening torque:**

**10 N·m (1.0 kgf-m, 7.4 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)**

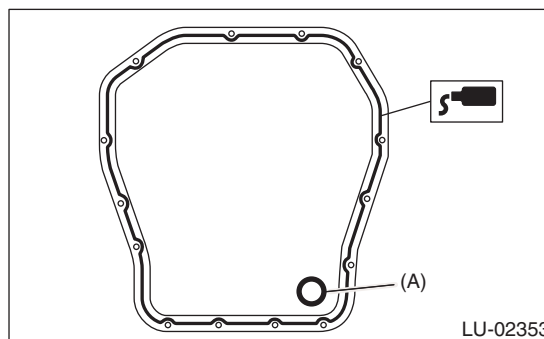
5) Apply liquid gasket to the mating surfaces of oil pan, and install the oil pan.

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

## B: INSTALLATION

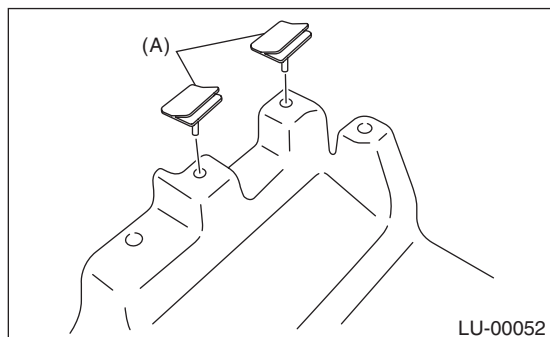
NOTE:

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 a new seal.



2) Install the baffle plate.

**Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**

## Oil Pan and Strainer

### LUBRICATION

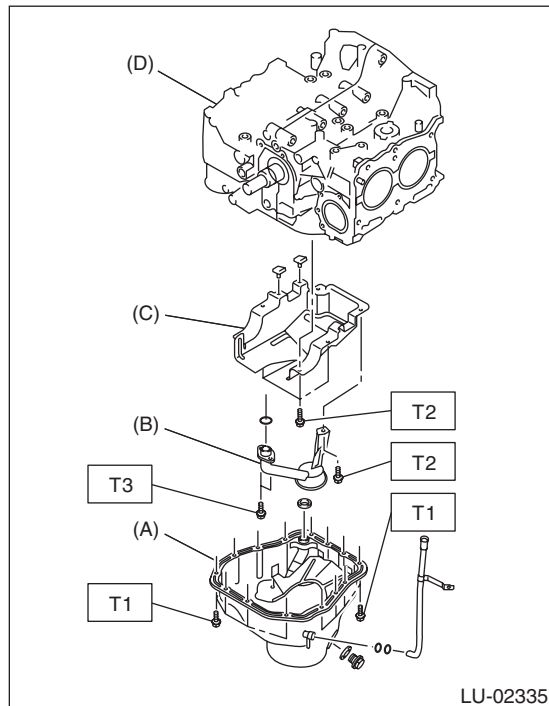
6) Tighten the bolts which install oil pan to cylinder block.

#### **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, 7.4 ft-lb)**



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

7) Lower the engine onto front crossmember.

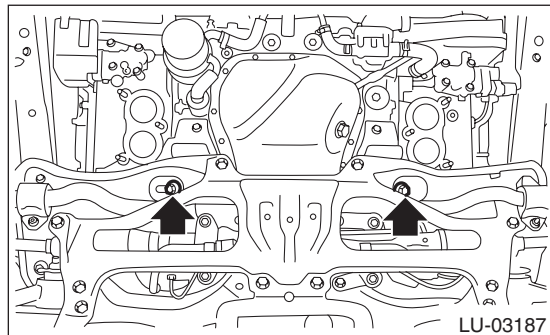
8) Install the nuts which hold the engine mounting to the front crossmember.

#### **NOTE:**

Use a new nut.

#### **Tightening torque:**

**60 N·m (6.1 kgf-m, 44.3 ft-lb)**



9) Install the front exhaust pipe. <Ref. to EX(STI)-5, INSTALLATION, Front Exhaust Pipe.>

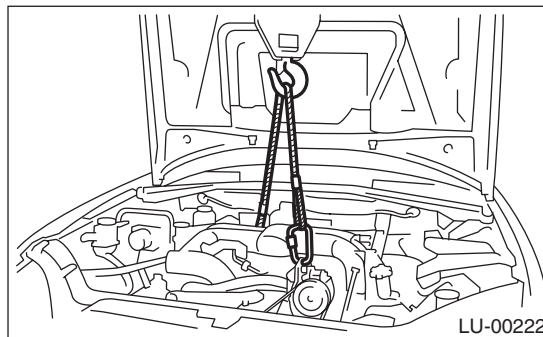
10) Install the under cover. <Ref. to EI-22, INSTALLATION, Front Under Cover.>

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.

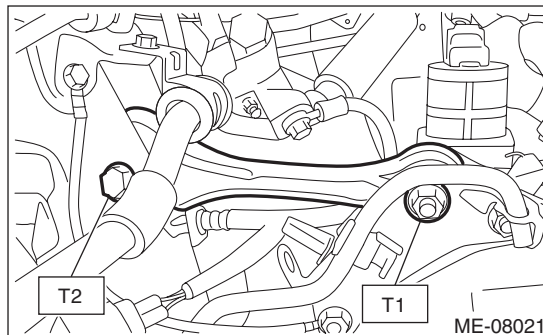


13) Install the pitching stopper.

#### **Tightening torque:**

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

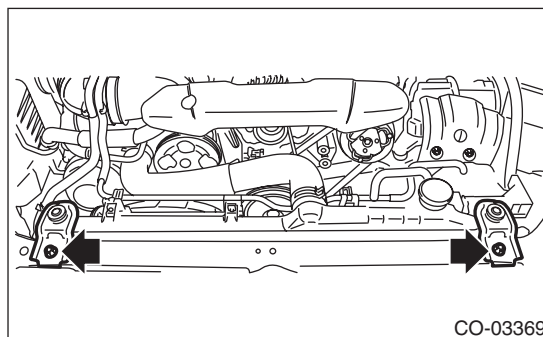
**T2: 58 N·m (5.9 kgf-m, 42.8 ft-lb)**



14) Install the radiator upper brackets.

#### **Tightening torque:**

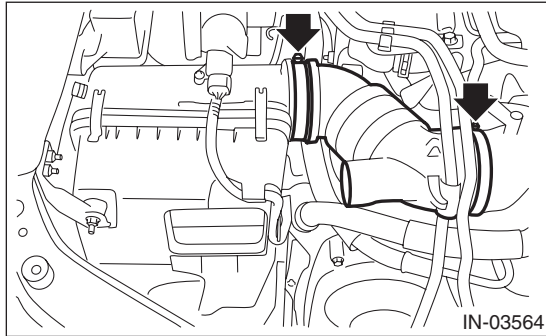
**12 N·m (1.2 kgf-m, 8.9 ft-lb)**



15) Install the air intake boot.

**Tightening torque:**

**2.5 N·m (0.3 kgf-m, 1.8 ft-lb)**



16) Install the intercooler. <Ref. to IN(STI)-14, INSTALLATION, Intercooler.>

17) Install the air intake duct. <Ref. to IN(STI)-11, INSTALLATION, Air Intake Duct.>

18) Connect the battery ground terminal.

19) Refill the engine oil. <Ref. to LU(STI)-11, REPLACEMENT, Engine Oil.>

## **C: INSPECTION**

Check that the oil pan, oil strainer and baffle plate do not have deformation, cracks or damage.