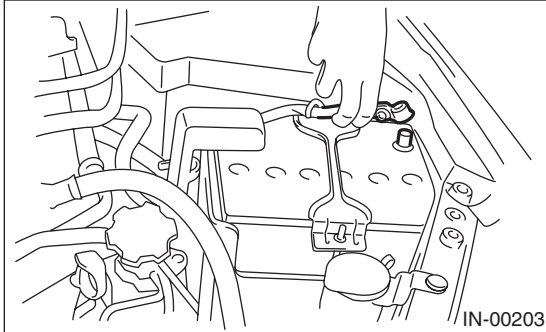


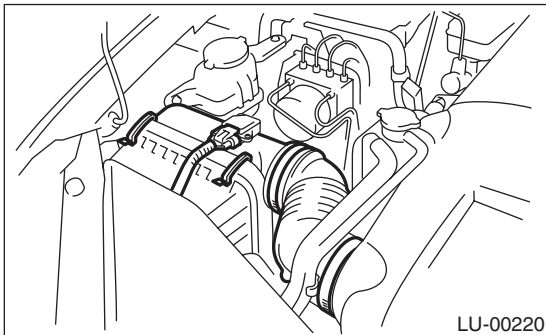
## 5. Oil Pan and Strainer

### A: REMOVAL

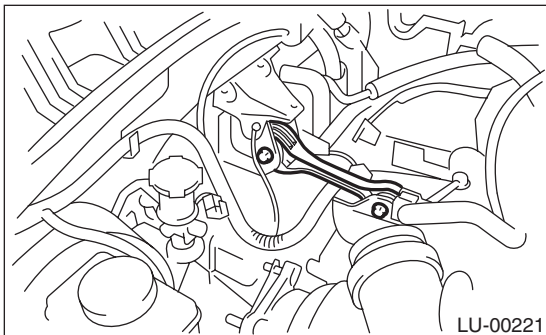
- 1) Set the vehicle on a lift.
- 2) Remove the front wheels.
- 3) Remove the collector cover.
- 4) Disconnect the ground cable from the battery.



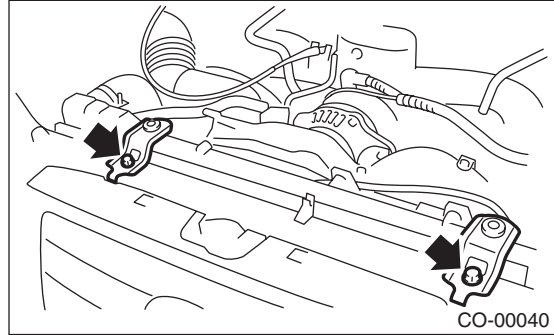
- 5) Disconnect the connectors from the mass air flow and intake air temperature sensor.
- 6) Remove the air intake boot and air cleaner upper cover.



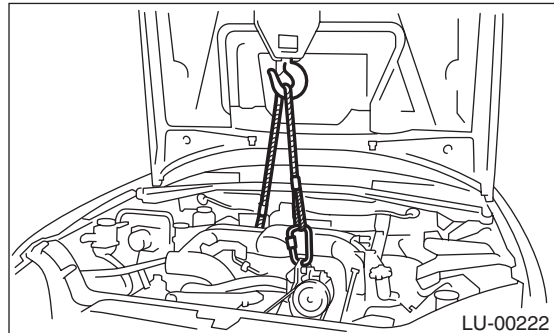
- 7) Remove the intercooler.  
<Ref. to IN(H4DOTC)-12, REMOVAL, Intercooler.>
- 8) Remove the pitching stopper.



- 9) Remove the radiator upper brackets.



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

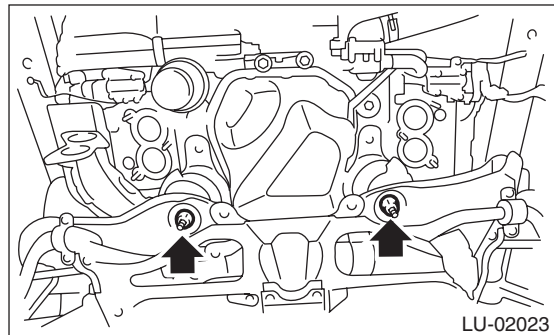


- 11) Lift up the vehicle.

### CAUTION:

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

- 12) Remove the under cover.
- 13) Drain the engine oil.
- 14) Remove the front exhaust pipe.  
<Ref. to EX(H4DOTC)-5, REMOVAL, Front Exhaust Pipe.>
- 15) Remove the nuts which install front cushion rubber onto front crossmember.



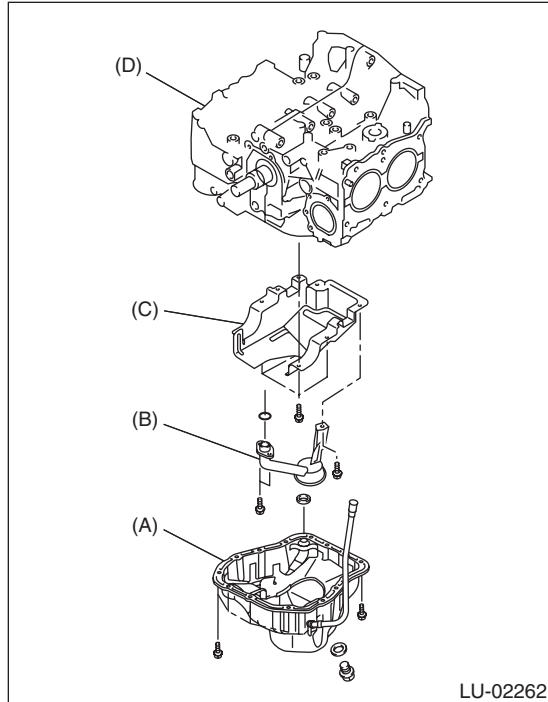
- 16) Remove the bolts which install oil pan on cylinder block with the engine raised up.
- 17) Insert the oil pan cutter blade into the gap between cylinder block and oil pan.

### CAUTION:

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

- 18) Remove the oil strainer.

19) Remove the baffle plate.



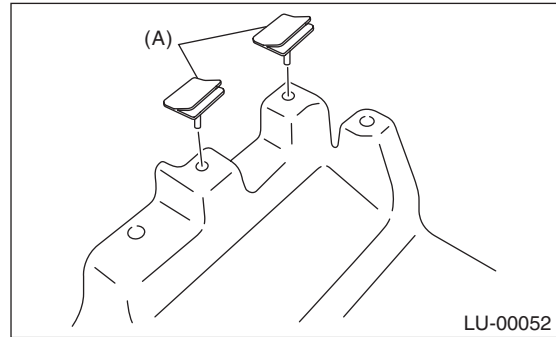
- (A) Oil pan
- (B) Oil strainer
- (C) Baffle plate
- (D) Cylinder block

## 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.



2) Install the baffle plate.

### **Tightening torque:**

**6.4 N·m (0.65 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) Install the oil strainer stay.

### NOTE:

Tighten the oil strainer stay together with the baffle plate.

### **Tightening torque:**

**6.4 N·m (0.65 kgf-m, 4.7 ft-lb)**

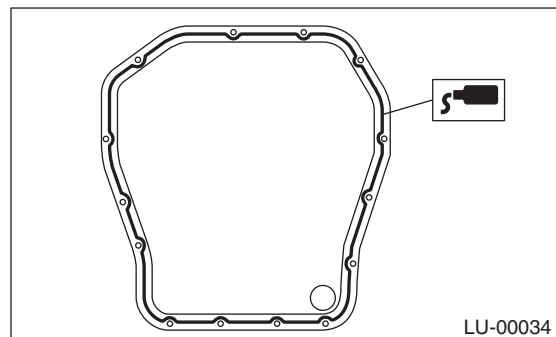
5) Apply liquid gasket to the mating surfaces, and install the oil pan.

### NOTE:

Install within 5 min. after applying liquid gasket.

### **Liquid gasket:**

**THREE BOND 1207C (Part No. 004403012) or equivalent**



## Oil Pan and Strainer

### LUBRICATION

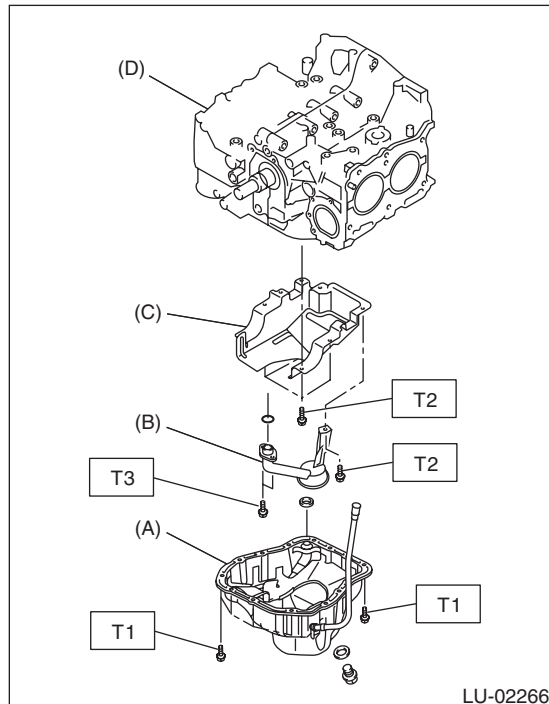
6) Tighten the bolts which install oil pan to engine block.

#### **Tightening torque:**

**T1: 5 N·m (0.5 kgf-m, 3.6 ft-lb)**

**T2: 6.4 N·m (0.65 kgf-m, 4.7 ft-lb)**

**T3: 10 N·m (1.0 kgf-m, 7.2 ft-lb)**



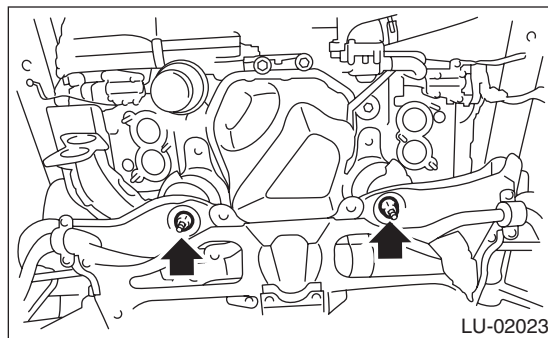
- (A) Oil pan
- (B) Oil strainer
- (C) Baffle plate
- (D) Cylinder block

7) Lower the engine onto front crossmember.

8) Tighten the nuts which install front cushion rubber onto front crossmember.

#### **Tightening torque:**

**85 N·m (8.7 kgf-m, 63 ft-lb)**



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

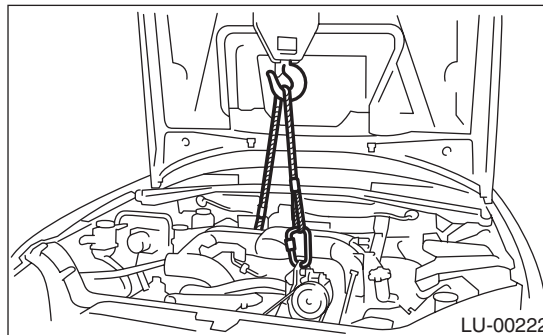
10) Install the under cover.

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.

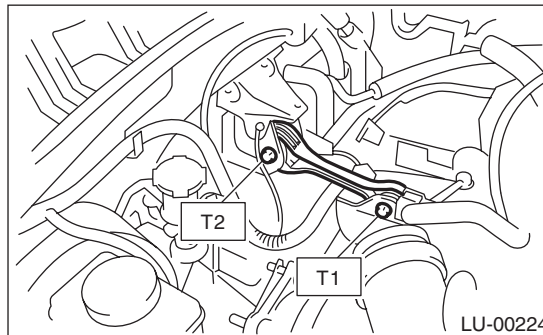


13) Install the pitching stopper.

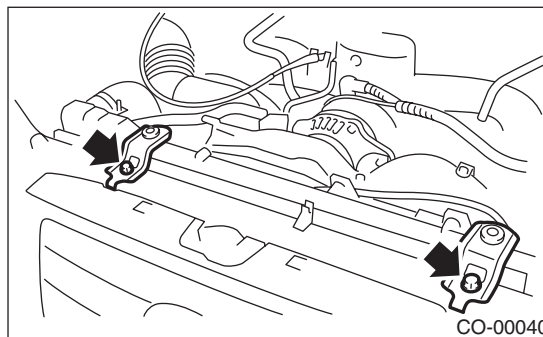
#### **Tightening torque:**

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

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



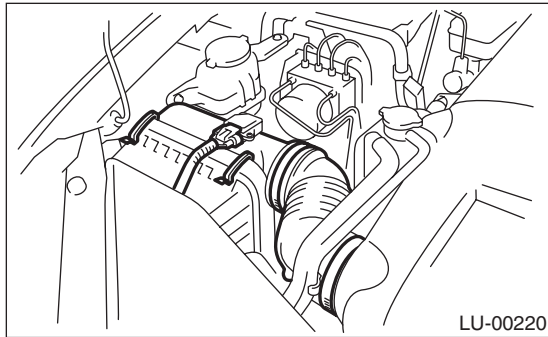
14) Install the radiator upper brackets.



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

16) Install the air intake boot and air cleaner upper cover.

- 17) Connect the connector to the mass air flow & intake air temperature sensor.

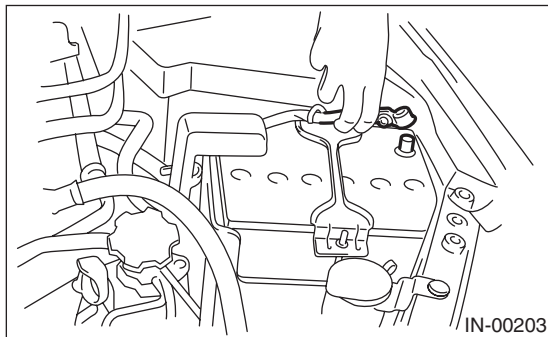


- 18) Install the front wheels.

**Tightening torque:**

**120 N·m (12.2 kgf-m, 88.5 ft-lb)**

- 19) Install the collector cover.  
20) Connect the battery ground cable to battery.



- 21) Refill the engine oil. <Ref. to LU(H4DOTC)-9, INSPECTION, Engine Oil.>

## C: INSPECTION

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