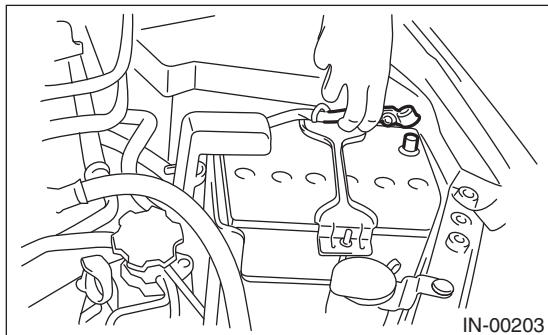


5. Oil Pan and Strainer

A: REMOVAL

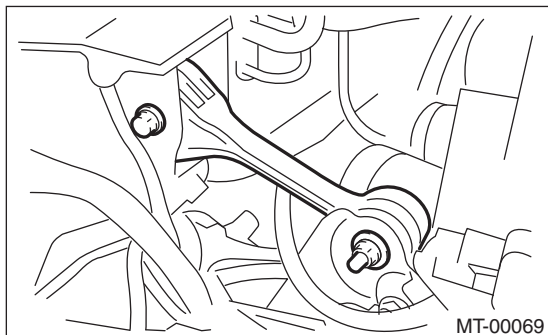
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from the battery.



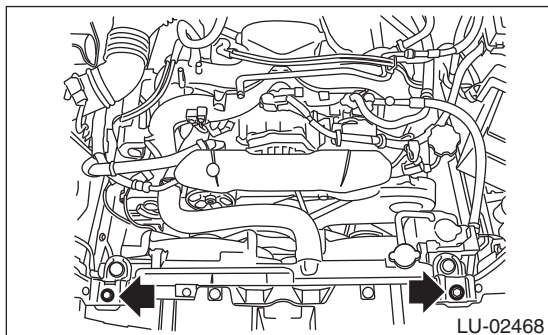
- 3) Remove the air intake duct (rear). <Ref. to IN(H4SO)-8, REMOVAL, Air Intake Duct.>

- 4) Remove the air intake chamber. <Ref. to IN(H4SO)-7, REMOVAL, Air Intake Chamber.>

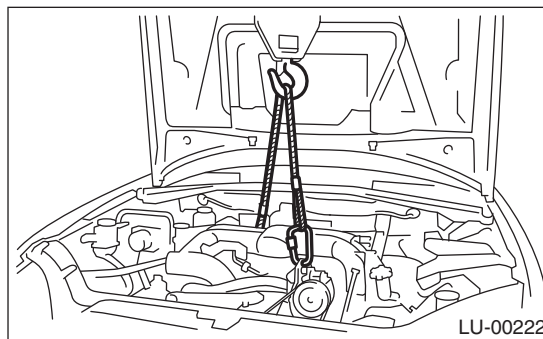
- 5) Remove the pitching stopper.



- 6) Remove the radiator upper brackets.



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



- 8) Lift up the vehicle.

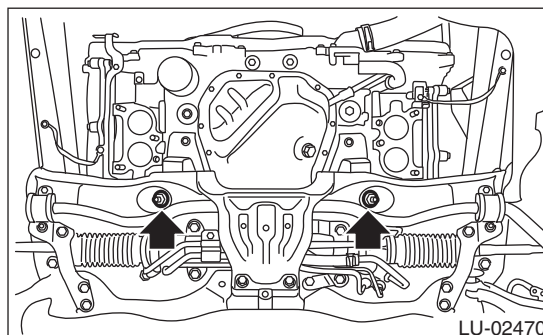
CAUTION:

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

- 9) Drain the engine oil. <Ref. to LU(H4SO)-8, REPLACEMENT, Engine Oil.>

- 10) Remove the front and center exhaust pipes. <Ref. to EX(H4SO)-4, REMOVAL, Front Exhaust Pipe.>

- 11) Remove the nuts which install front cushion rubber onto front crossmember.



12) Remove the bolts which install oil pan on cylinder block with the engine raised up.

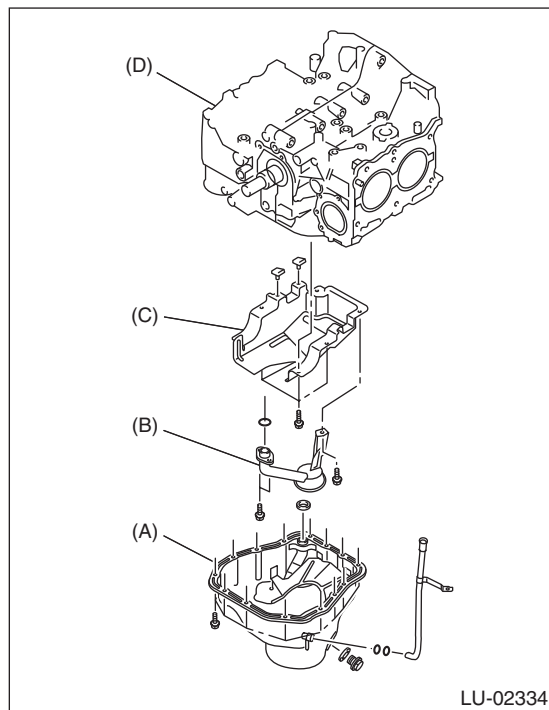
13) Insert an oil pan cutter blade between cylinder block-to-oil pan clearance and remove the oil pan.

CAUTION:

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

14) Remove the oil strainer.

15) Remove the baffle plate.



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

B: INSTALLATION

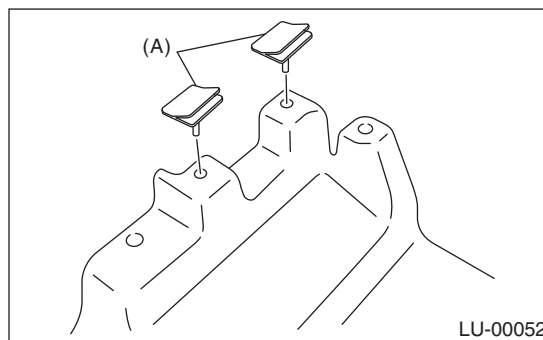
NOTE:

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, 7.4 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)

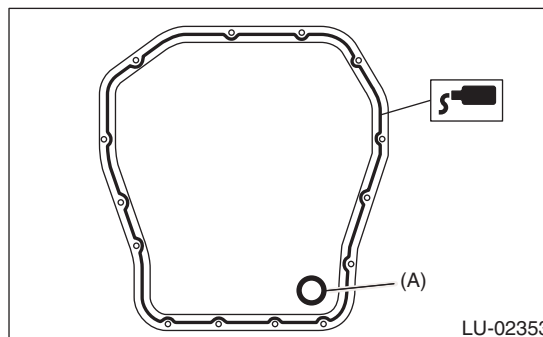
5) Apply liquid gasket to the mating surfaces of the oil pan, and install the oil pan.

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

Oil Pan and Strainer

LUBRICATION

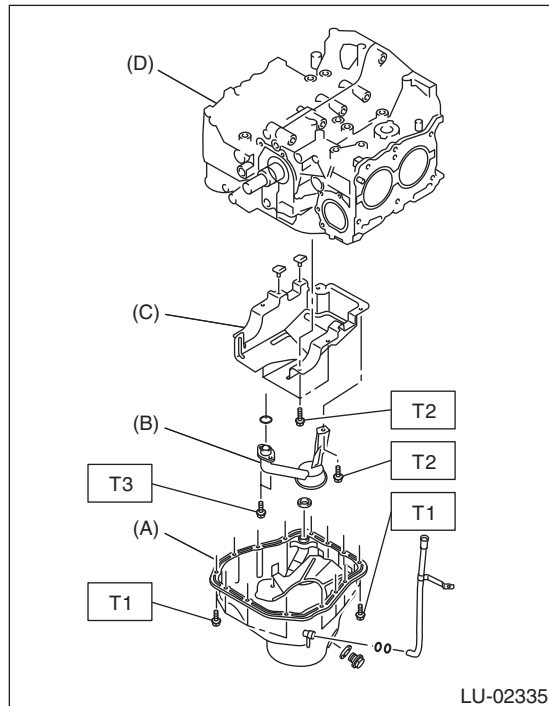
6) Tighten the bolts which install the oil pan to the cylinder block.

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)



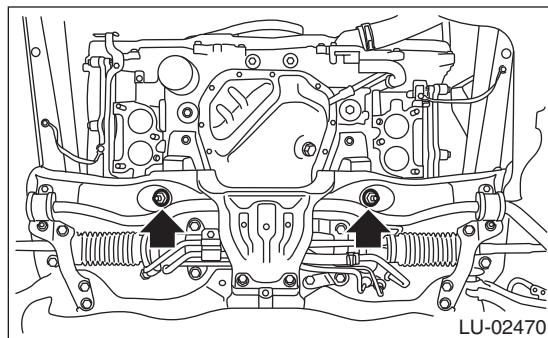
- (A) Oil pan
- (B) Oil strainer
- (C) Baffle plate
- (D) Cylinder block

7) Lower the engine onto front crossmember.

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

Tightening torque:

85 N·m (8.7 kgf-m, 62.7 ft-lb)



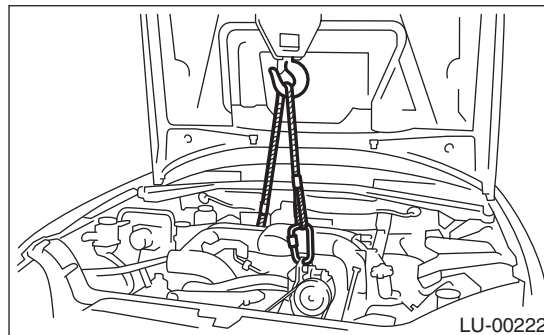
9) Install the front and center exhaust pipe. <Ref. to EX(H4SO)-5, INSTALLATION, Front Exhaust Pipe.>

10) Lower the vehicle.

CAUTION:

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

11) Remove the lifting device and wire ropes.

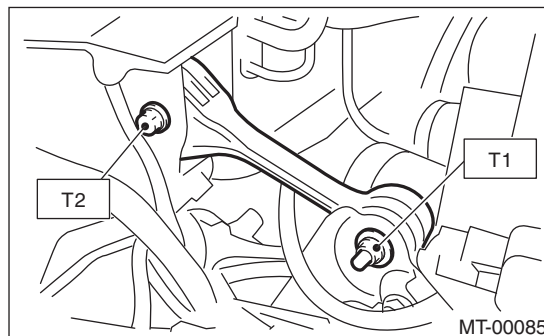


12) Install the pitching stopper.

Tightening torque:

T1: 50 N·m (5.1 kgf-m, 36.9 ft-lb)

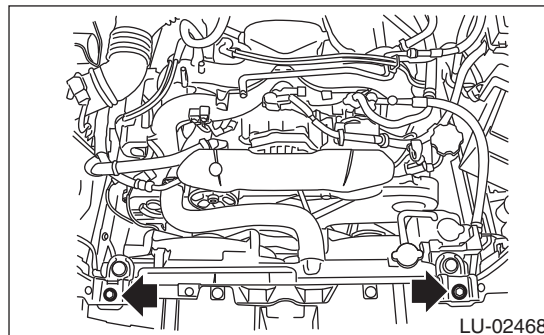
T2: 58 N·m (5.9 kgf-m, 42.8 ft-lb)



13) Install the radiator upper brackets.

Tightening torque:

12 N·m (1.2 kgf-m, 8.9 ft-lb)

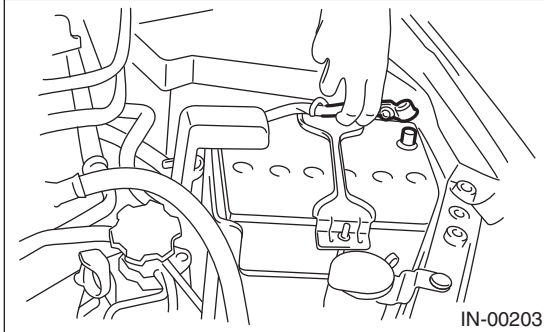


14) Install the air intake chamber.

<Ref. to IN(H4SO)-7, INSTALLATION, Air Intake Chamber.>

15) Install the air intake duct (rear). <Ref. to IN(H4SO)-8, INSTALLATION, Air Intake Duct.>

16) Connect the battery ground cable to battery.



17) Refill the engine oil. <Ref. to LU(H4SO)-8, INSPECTION, Engine Oil.>

C: INSPECTION

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