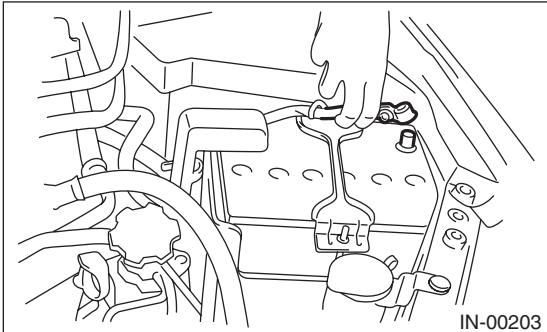


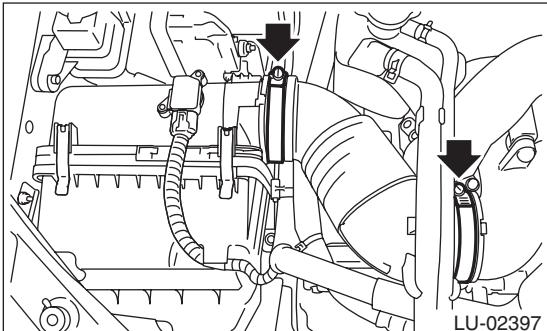
5. Oil Pan and Strainer

A: REMOVAL

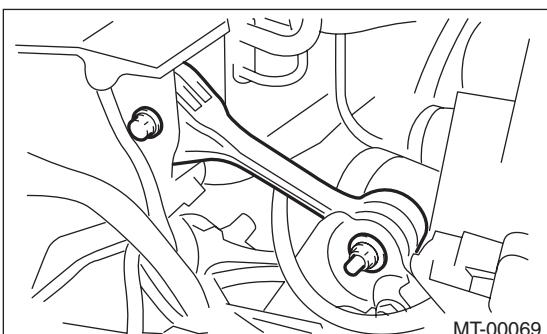
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.



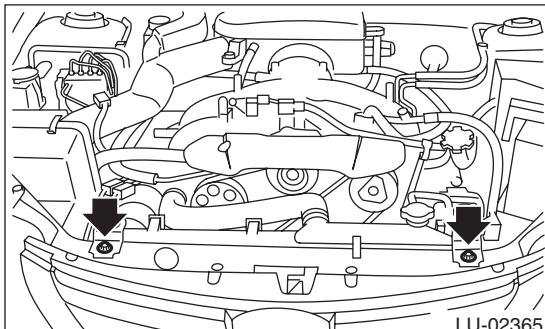
- 3) Remove the air intake duct. <Ref. to IN(H4SO)-8, REMOVAL, Air Intake Duct.> <Ref. to IN(H4DOTC)-11, REMOVAL, Air Intake Duct.>
- 4) Disconnect the connectors from the mass air flow and intake air temperature sensor. (Non-turbo model)
- 5) Remove the air intake chamber. (Non-turbo model) <Ref. to IN(H4SO)-7, REMOVAL, Air Intake Chamber.>
- 6) Remove the air intake boot. (Turbo model)



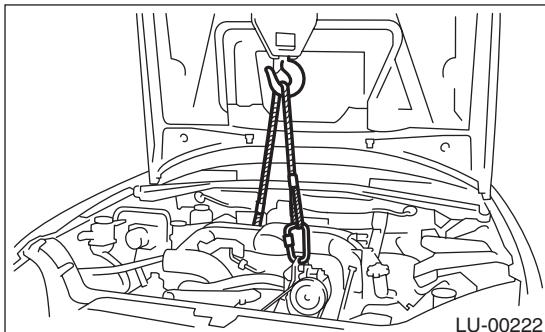
- 7) Remove the intercooler. (Turbo model) <Ref. to IN(H4DOTC)-13, REMOVAL, Intercooler.>
- 8) Remove the pitching stopper.



- 9) Remove the radiator upper brackets.



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

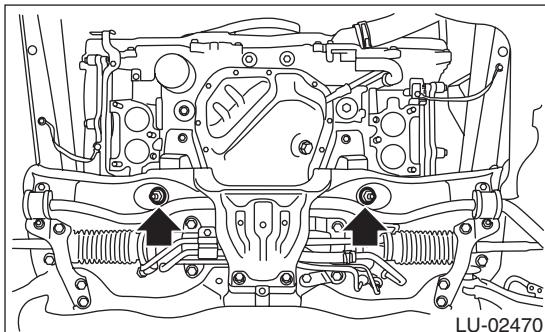


- 11) Lift up the vehicle.

CAUTION:

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

- 12) Remove the under cover.
- 13) Drain the engine oil. <Ref. to LU(H4SO)-10, REPLACEMENT, Engine Oil.>
- 14) Remove the front exhaust pipe. <Ref. to EX(H4SO)-6, REMOVAL, Front Exhaust Pipe.> <Ref. to EX(H4DOTC)-7, REMOVAL, Front Exhaust Pipe.>
- 15) Remove the nuts which secure the engine mounting to the front crossmember.



- 16) Remove the bolts which secure oil pan on cylinder block with the engine raised up.

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

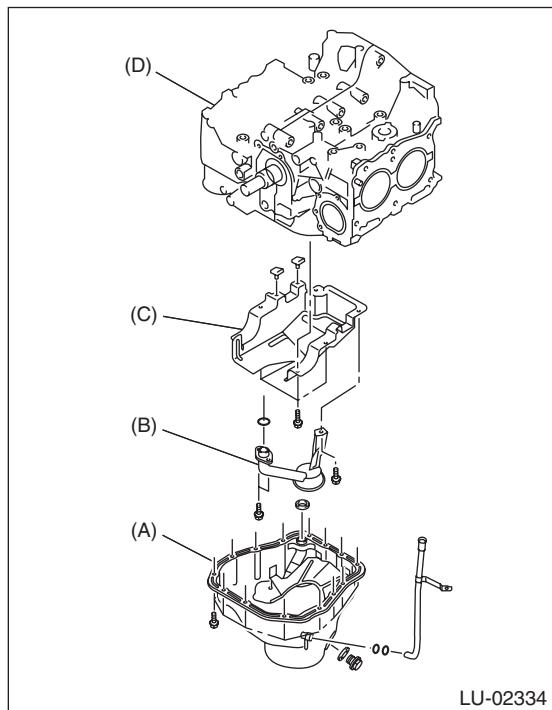
CAUTION:

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

Oil Pan and Strainer

LUBRICATION

- 18) Remove the oil strainer.
- 19) Remove the baffle plate.



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

B: INSTALLATION

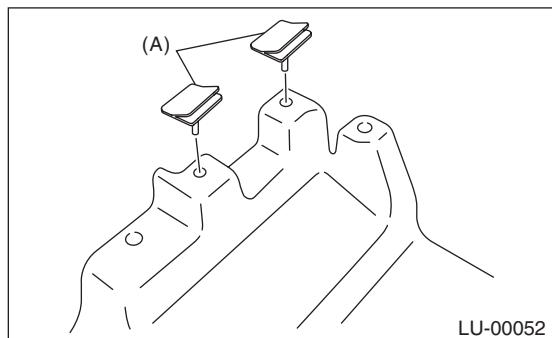
NOTE:

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.

NOTE:

Use a new seal.



- 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 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)

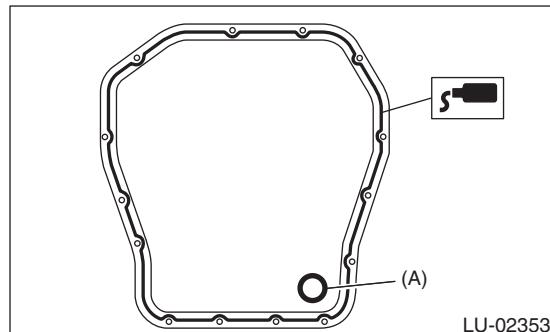
- 5) Apply liquid gasket to the mating surfaces of oil pan, and install the oil pan.

NOTE:

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

Liquid gasket:

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

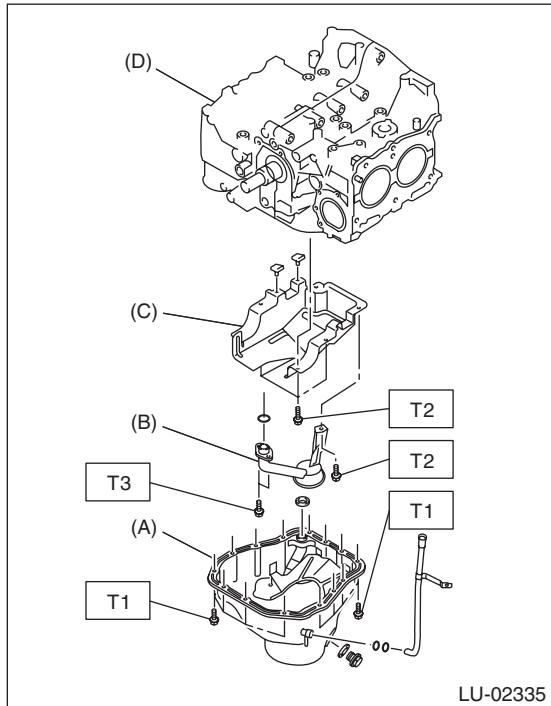


(A) Gasket

- 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) Tighten the nuts which install engine mounting onto front crossmember.

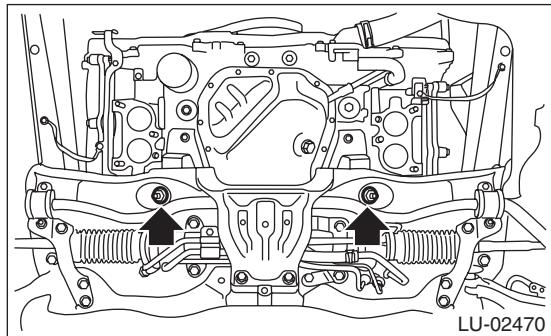
NOTE:

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

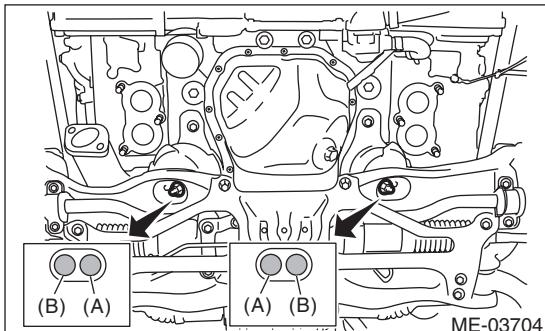
Tightening torque:

- 85 N·m (8.7 kgf-m, 62.7 ft-lb)**

- Non-turbo model



- Turbo model

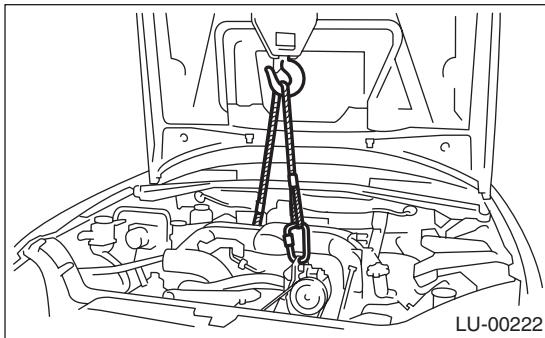


- 9) Install the front exhaust pipe. <Ref. to EX(H4SO)-7, INSTALLATION, Front Exhaust Pipe.> <Ref. to EX(H4DOTC)-8, INSTALLATION, Front Exhaust Pipe.>
- 10) Install the under cover.
- 11) Lower the vehicle.

CAUTION:

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

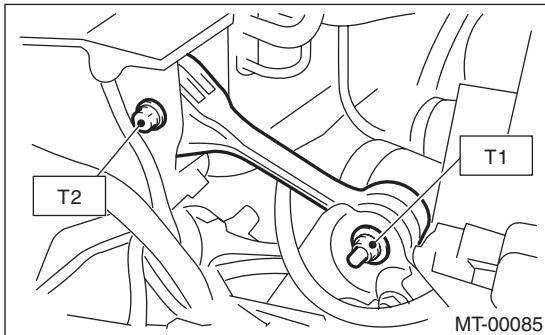
- 12) Remove the lifting device and wire ropes.



- 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)**



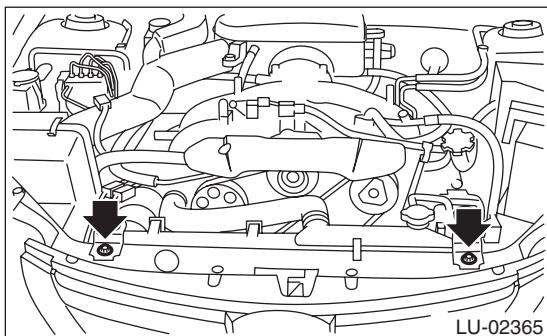
- 14) Install the radiator upper brackets.

Oil Pan and Strainer

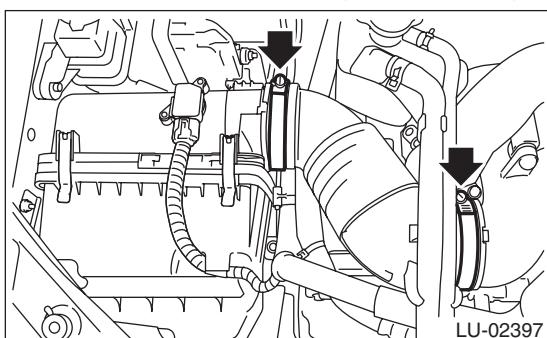
LUBRICATION

Tightening torque:

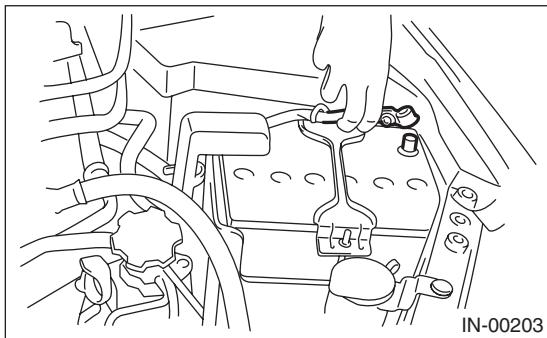
12 N·m (1.2 kgf·m, 8.9 ft-lb)



- 15) Install the intercooler. (Turbo model) <Ref. to IN(H4DOTC)-13, INSTALLATION, Intercooler.>
- 16) Install the air intake boot. (Turbo model)



- 17) Install the air intake chamber. (Non-turbo model) <Ref. to IN(H4SO)-7, INSTALLATION, Air Intake Chamber.>
- 18) Install the air intake duct. <Ref. to IN(H4SO)-8, INSTALLATION, Air Intake Duct.> <Ref. to IN(H4DOTC)-11, INSTALLATION, Air Intake Duct.>
- 19) Connect the connector to the mass air flow and intake air temperature sensor. (Non-turbo model)
- 20) Connect the ground cable to battery.



- 21) Refill the engine oil. <Ref. to LU(H4SO)-10, INSPECTION, Engine Oil.>

C: INSPECTION

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