

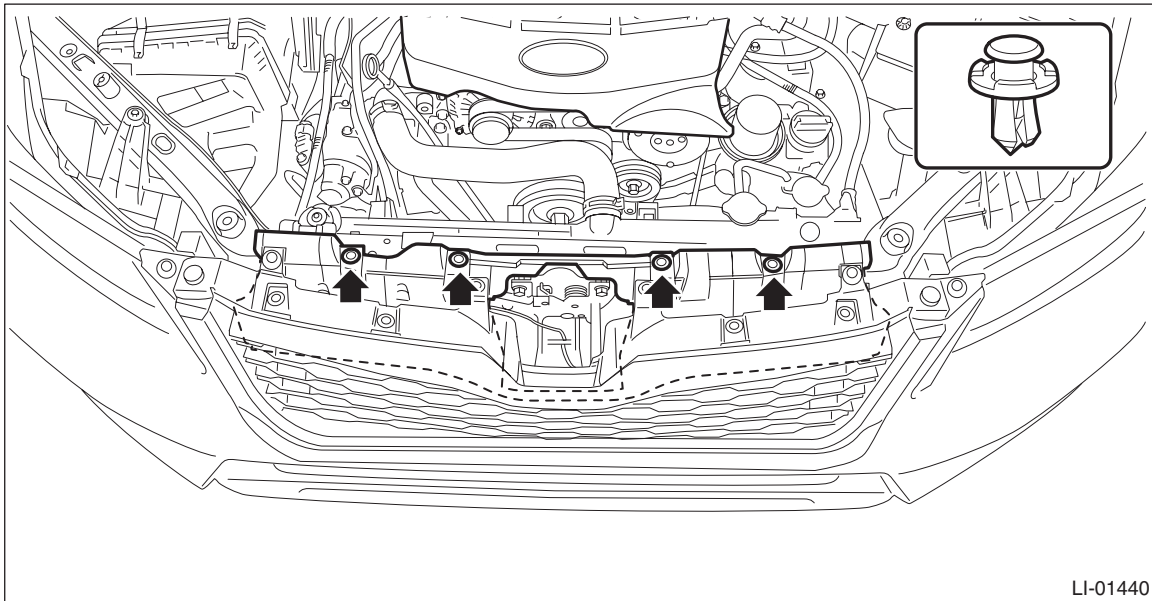
16. Condenser

A: REMOVAL

- 1) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>
- 2) Remove the air intake duct.
 - Non-turbo model: <Ref. to IN(H4DO)-12, REMOVAL, Air Intake Duct.>
 - Turbo model: <Ref. to IN(H4DOTC)-19, REMOVAL, Air Intake Duct.>
- 3) Remove the reservoir tank.
 - Non-turbo model: <Ref. to CO(H4DO)-70, REMOVAL, Reservoir Tank.>
 - Turbo model: <Ref. to CO(H4DOTC)-59, REMOVAL, Reservoir Tank.>
- 4) Remove the clip, and remove the bracket - grille.

CAUTION:

Be careful not to damage the front grille assembly, etc.



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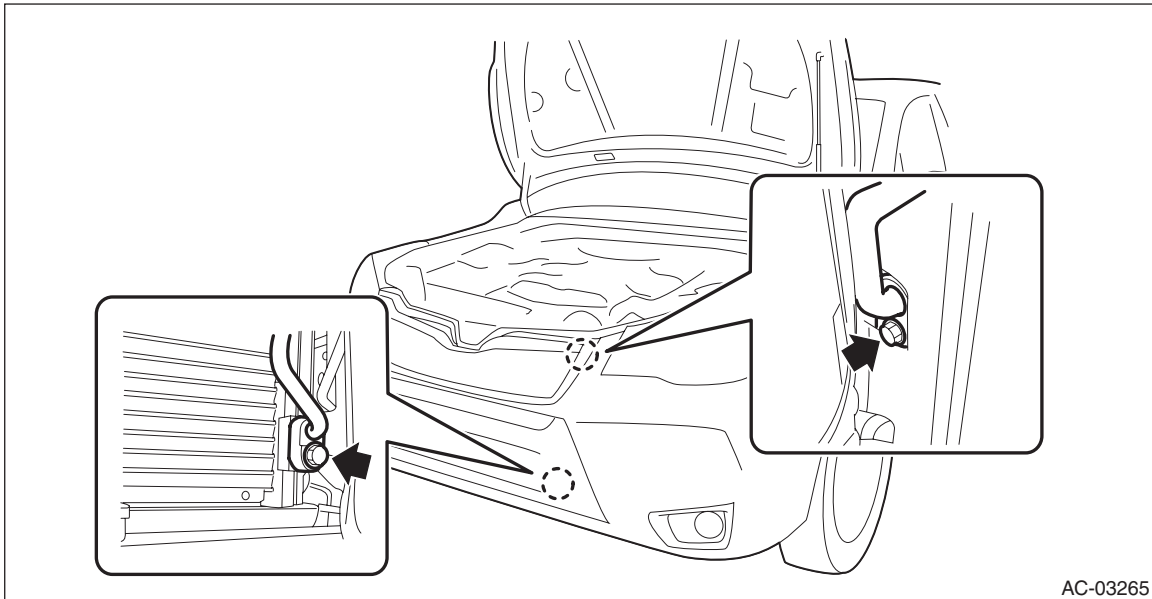
Condenser

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

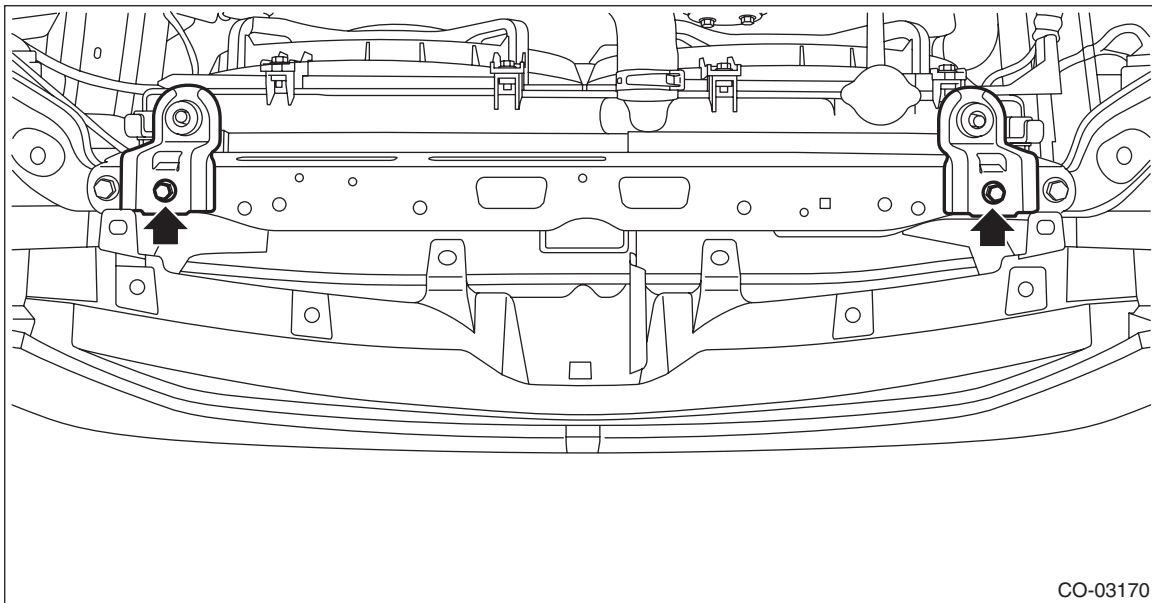
5) Remove the bolt, and disconnect the hose - pressure discharge and the pipe - evaporator cooling from the condenser assembly - air conditioner.

CAUTION:

Seal the disconnected hose, pipe and engaging part of condenser assembly with a plug or vinyl tape to prevent foreign matter from entering.



6) Remove the bolts and remove the radiator upper bracket.



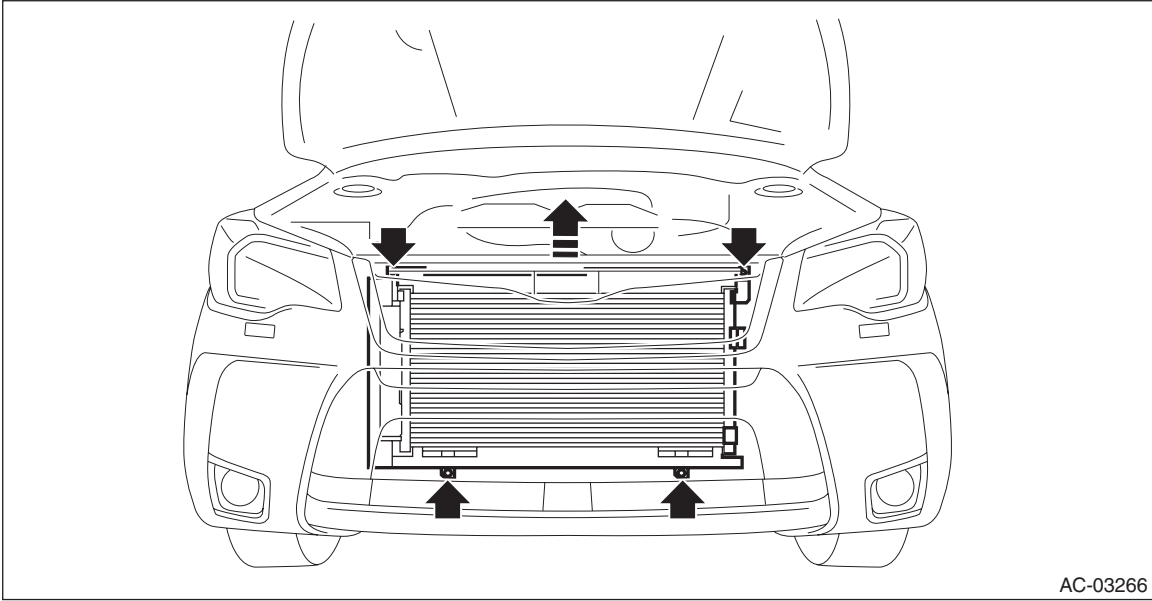
Condenser

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

- 7) Remove the condenser assembly - air conditioner.
- (1) Remove the bolt.
 - (2) By lifting the condenser assembly - air conditioner, pull it out through the space between the radiator and the radiator panel.

CAUTION:

Be careful not to damage the condenser and radiator fin. If a damaged fin is found, repair it using a thin screwdriver.



Condenser

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

B: INSTALLATION

CAUTION:

- If the condenser assembly - air conditioner has been replaced, add an appropriate amount of compressor oil.<Ref. to AC-36, ADJUSTMENT, Compressor Oil.>
 - Replace the O-rings with new parts, and then apply compressor oil.
- 1) Install each part in the reverse order of removal.

NOTE:

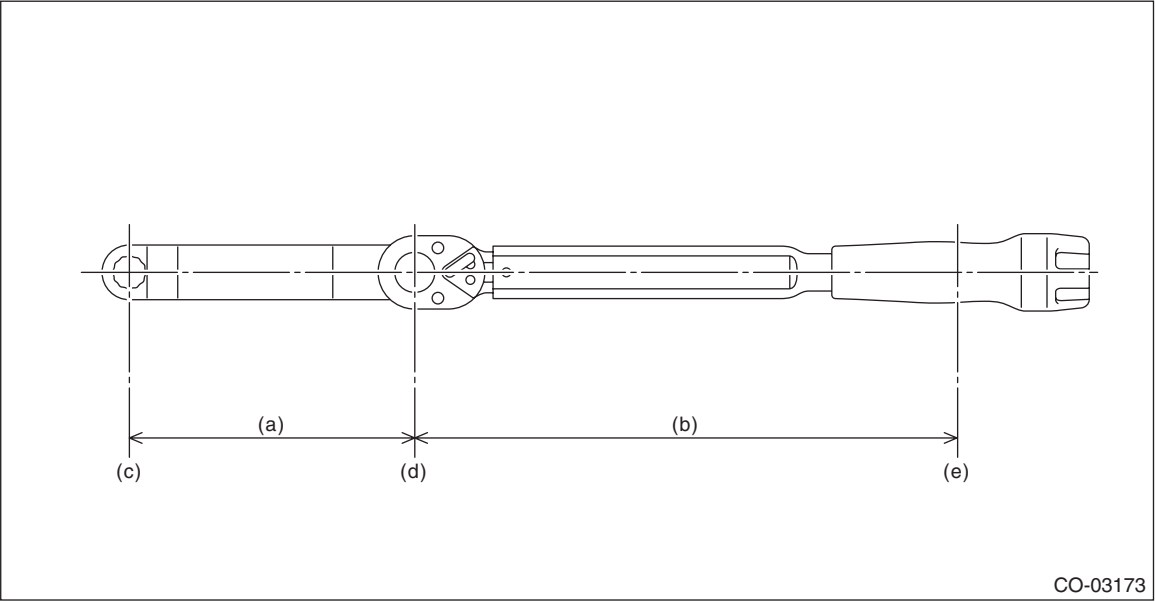
To tighten the bolts at the bottom of the condenser, use the ST.
ST 73099SG000 SPECIAL TOOL CONDENSER

Tightening torque:

Air conditioning unit:<Ref. to AC-12, AIR CONDITIONING UNIT, COMPONENT, General Description.>

Radiator upper bracket: 12 N·m (1.22 kgf-m, 8.9 ft-lb)

Condenser (bolts at the bottom)

Calculation formula
$T = L / (100 \text{ mm (3.94 in)} + L) \times 7.5 \text{ N·m (0.8 kgf-m, 5.5 ft-lb)}$
T: Tightening torque L: Effective length of torque wrench
NOTE: If the effective length of the torque wrench used is unknown, consult the manufacturer of the torque wrench.
 CO-03173
(a) Effective length of the ST (b) Effective length of the torque wrench (c) Center of drive angle of the ST (d) Center of drive angle of the torque wrench (e) Center of the position where a force is applied by hand

2) Charge refrigerant.<Ref. to AC-29, PROCEDURE, Refrigerant Charging Procedure.>

C: INSPECTION

- 1) Check to see that the condenser fins are not clogged with debris or insects. Blow with compressed air or flush fins with water as needed.
- 2) If any oil leak is found, replace the condenser assembly - air conditioner.