

16. Condenser

A: REMOVAL

1) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>

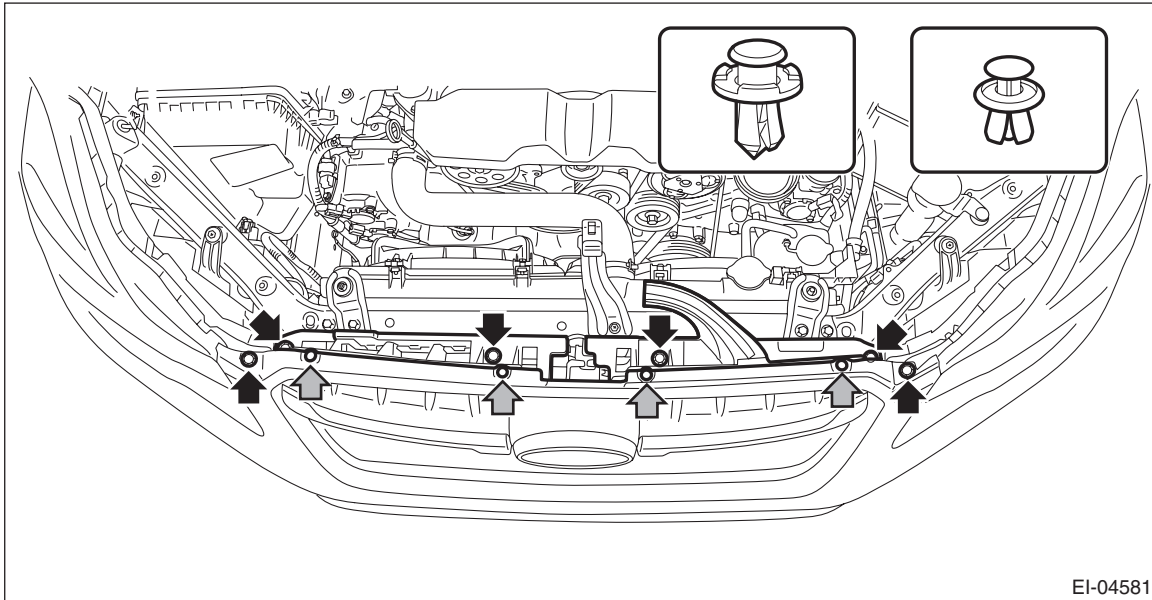
2) Remove the air intake duct.

- Gasoline engine model: <Ref. to IN(H4DO(w/o HEV))-13, REMOVAL, Air Intake Duct.>
- HEV model: <Ref. to IN(H4DO(HEV))-15, REMOVAL, Air Intake Duct.>

3) Remove the clip, and remove the bracket - grille.

NOTE:

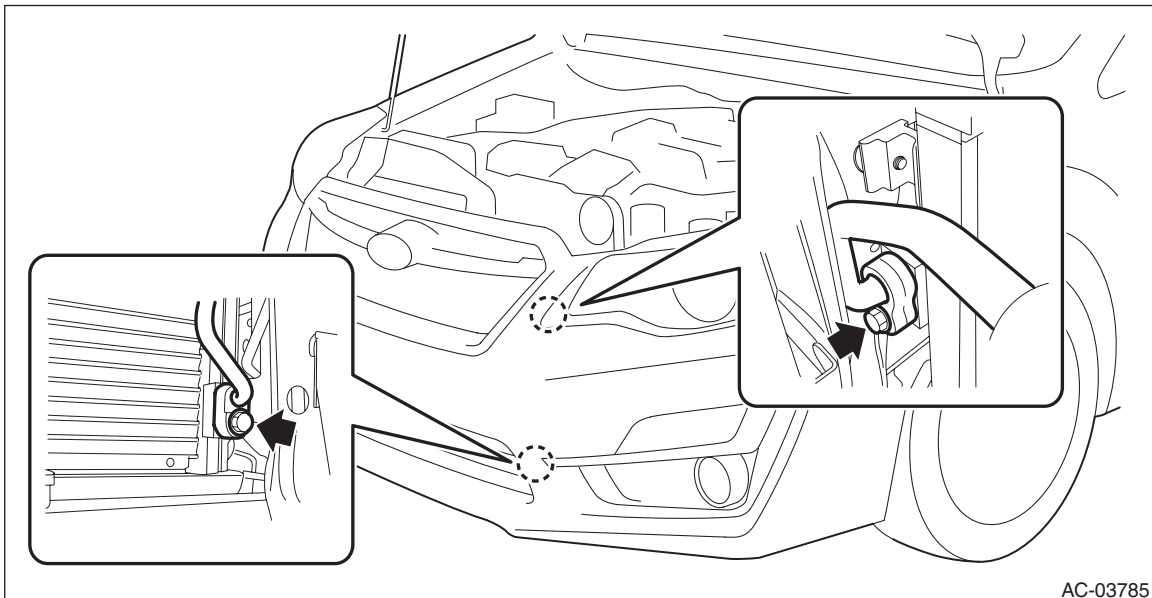
To prevent damage to the bracket - grille, make sure to remove all clips.



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

CAUTION:

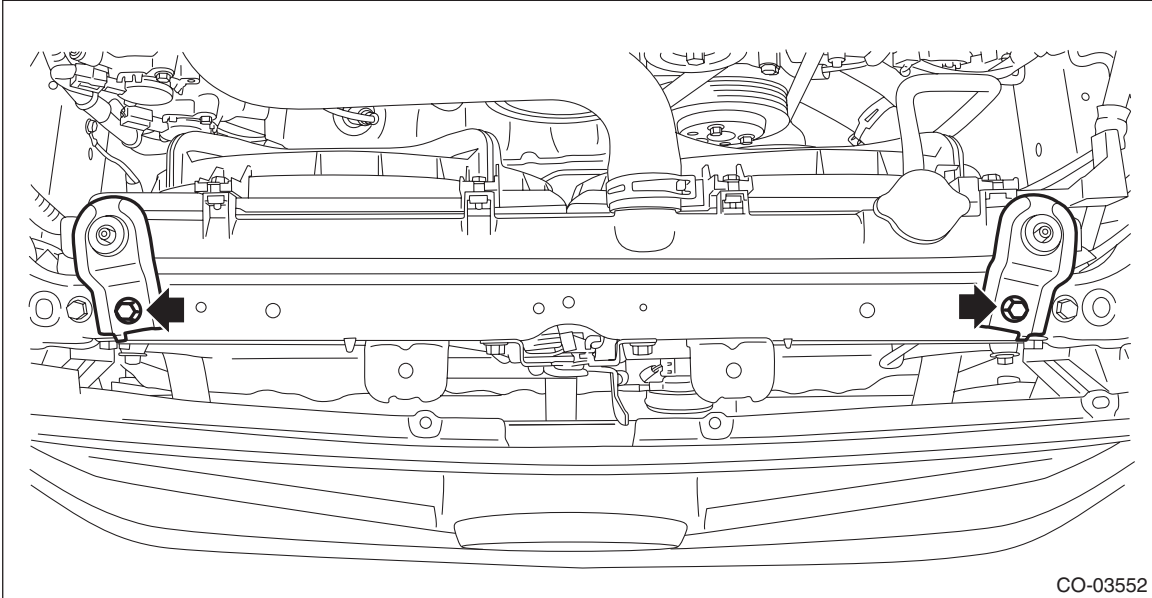
Seal the disconnected hose, pipe and engaging part of condenser assembly with a plug or vinyl tape to prevent foreign matter from entering.



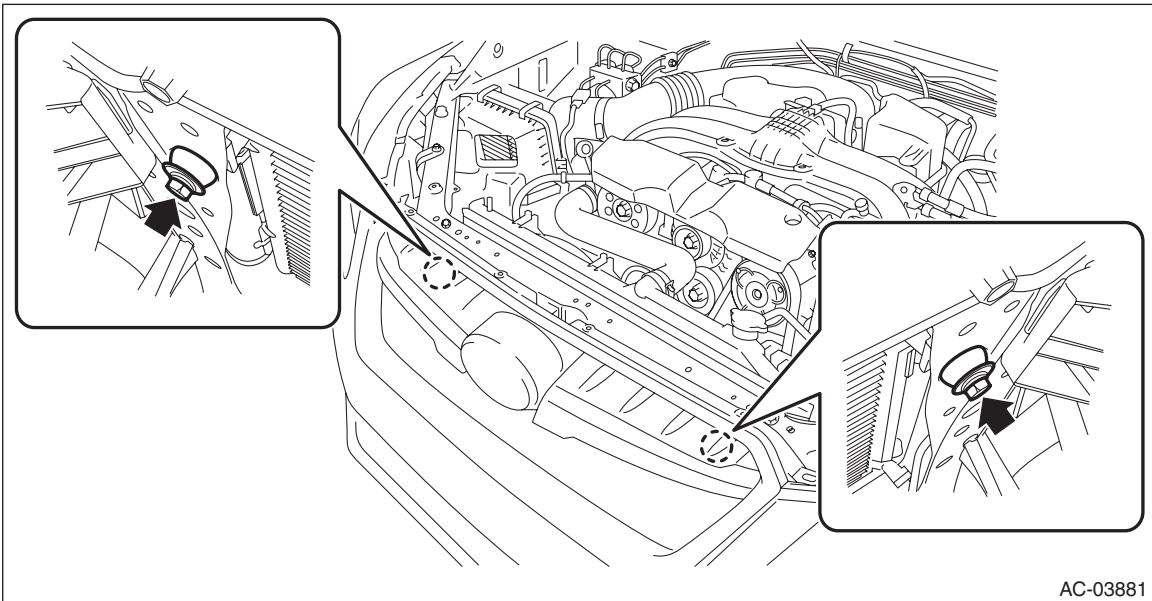
Condenser

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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



6) Remove the condenser assembly - air conditioner.
(1) Remove the bolt.



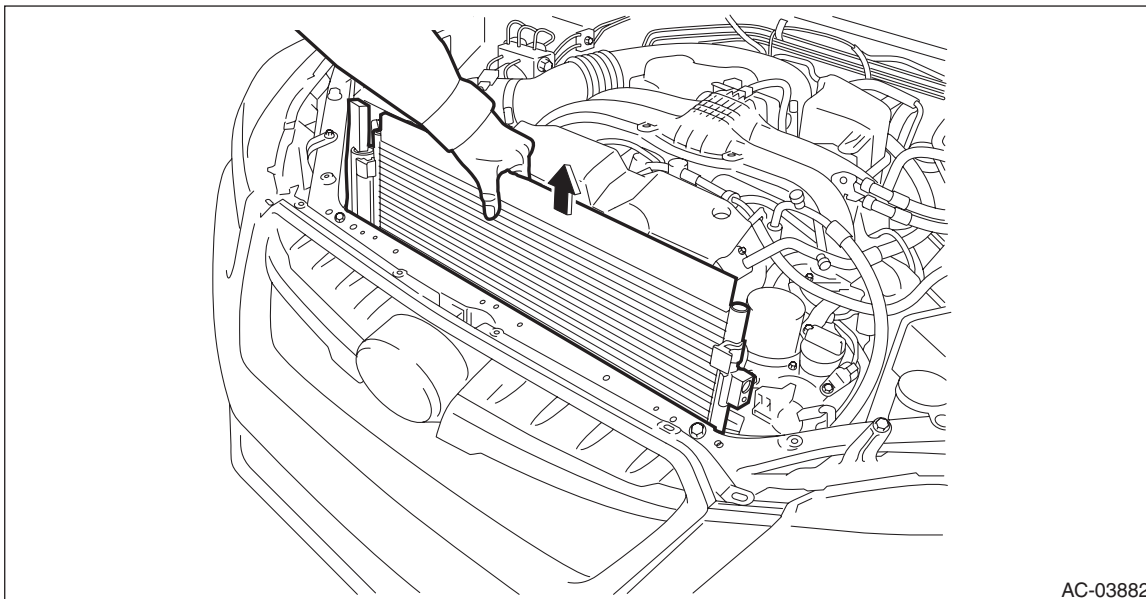
Condenser

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

- (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.



AC-03882

B: INSTALLATION

CAUTION:

- If the condenser assembly - air conditioner has been replaced, add an appropriate amount of compressor oil. <Ref. to AC-37, ADJUSTMENT, Compressor Oil.>
- Replace the O-rings with new parts, and then apply compressor oil.
- Confirm that the lower guide of condenser assembly - air conditioner fits into the holes on radiator panel.

1) Install each part in the reverse order of removal.

Tightening torque:

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

Radiator upper bracket: <Ref. to CO(H4DO(w/o HEV))-7, RADIATOR & RADIATOR FAN, COMPONENT, General Description.>

2) Charge refrigerant. <Ref. to AC-30, 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.