

# Condenser

## HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

### 15. Condenser

#### A: REMOVAL

1) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>

2) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

##### NOTE:

For models other than STI model, disconnect the ground terminal from battery sensor.

3) Remove the clips and remove the air intake duct.

- Except for STI model: <Ref. to IN(w/o STI)-22, REMOVAL, Air Intake Duct.>

- STI model: <Ref. to IN(STI)-11, REMOVAL, Air Intake Duct.>

4) Remove the reservoir tank.

- Except for STI model: <Ref. to CO(w/o STI)-52, REMOVAL, Reservoir Tank.>

- STI model: <Ref. to CO(STI)-27, REMOVAL, Reservoir Tank.>

5) Lift up the vehicle.

6) Remove the under cover - front. <Ref. to EI-21, REMOVAL, Front Under Cover.>

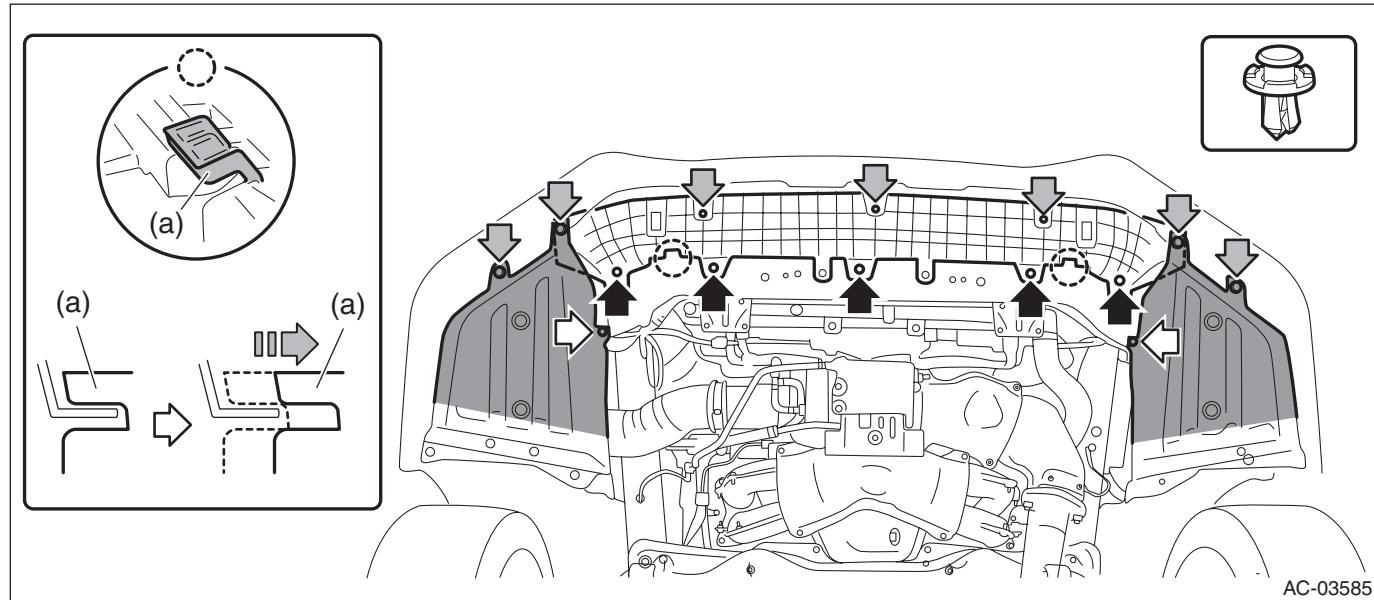
7) Remove the bracket – front center LWR.

(1) Remove the screw and clips, and turn over the mud guard - front.

(2) Remove the bolts and clips, and remove the bracket – front center LWR.

##### NOTE:

While entirely pushing the bracket – front center LWR forward, remove the two hooks (a) on the left and right.



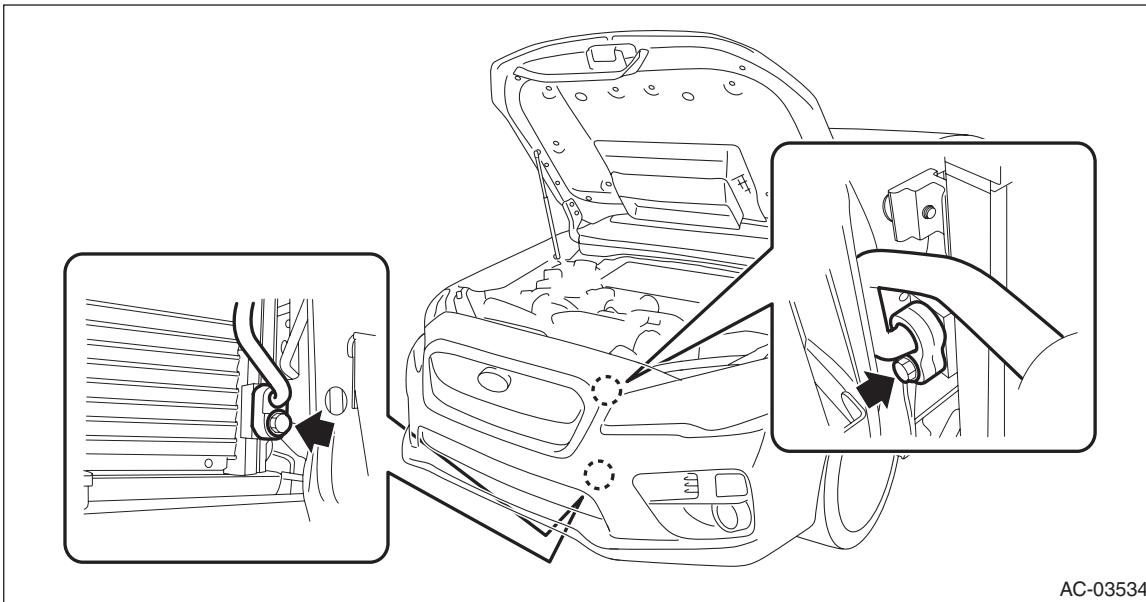
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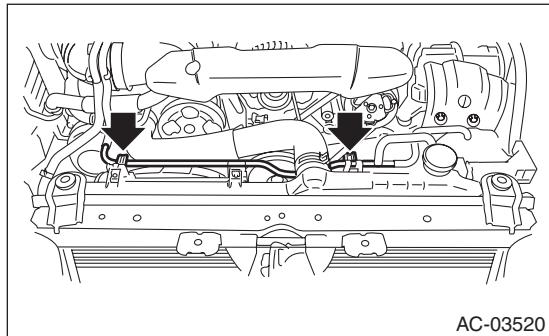
8) Remove the bolt, and detach the hose - pressure discharge and the pipe - evaporator cooling.

**CAUTION:**

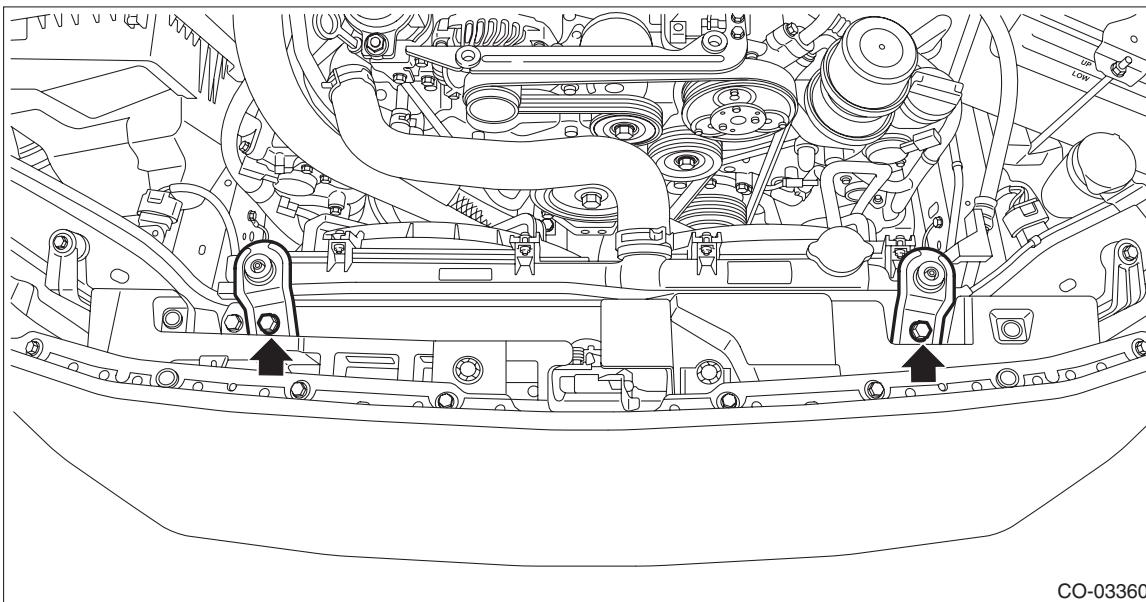
**Seal the disconnected hose, pipe and engaging part of condenser assembly with a plug or vinyl tape to prevent foreign matter from entering.**



9) Remove the bolts of the over flow pipe. (STI model)



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



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11) Remove the condenser assembly - air conditioner.

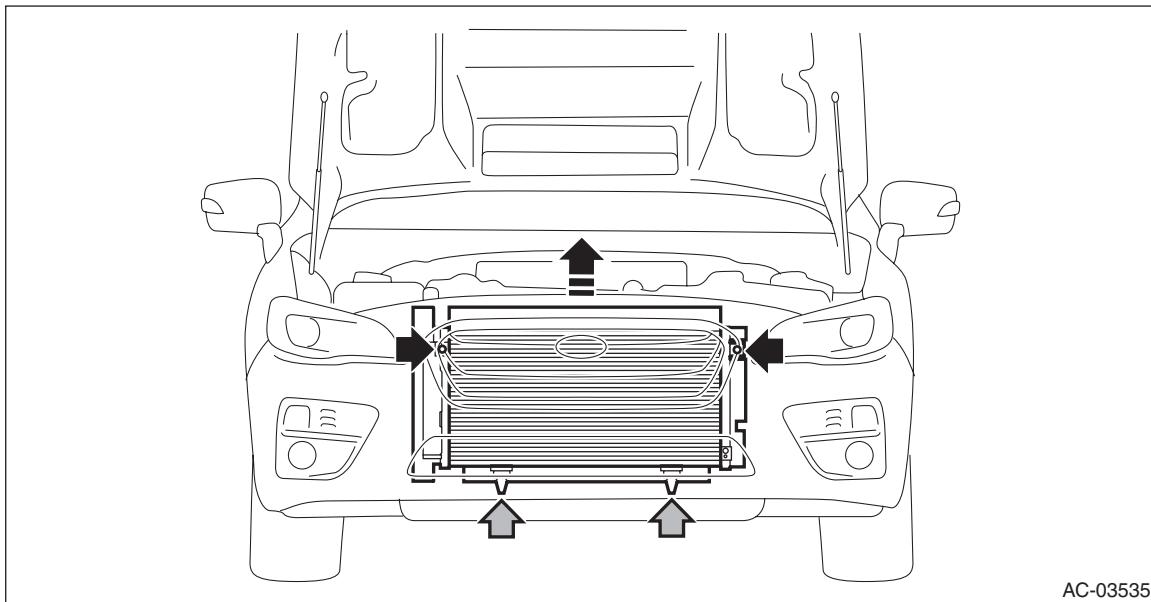
(1) Remove the bolt.

(2) Remove the lower guide, and remove the condenser assembly - air conditioner.

### CAUTION:

• Push the radiator to the engine side, and pull it out through the space between the radiator and the radiator panel.

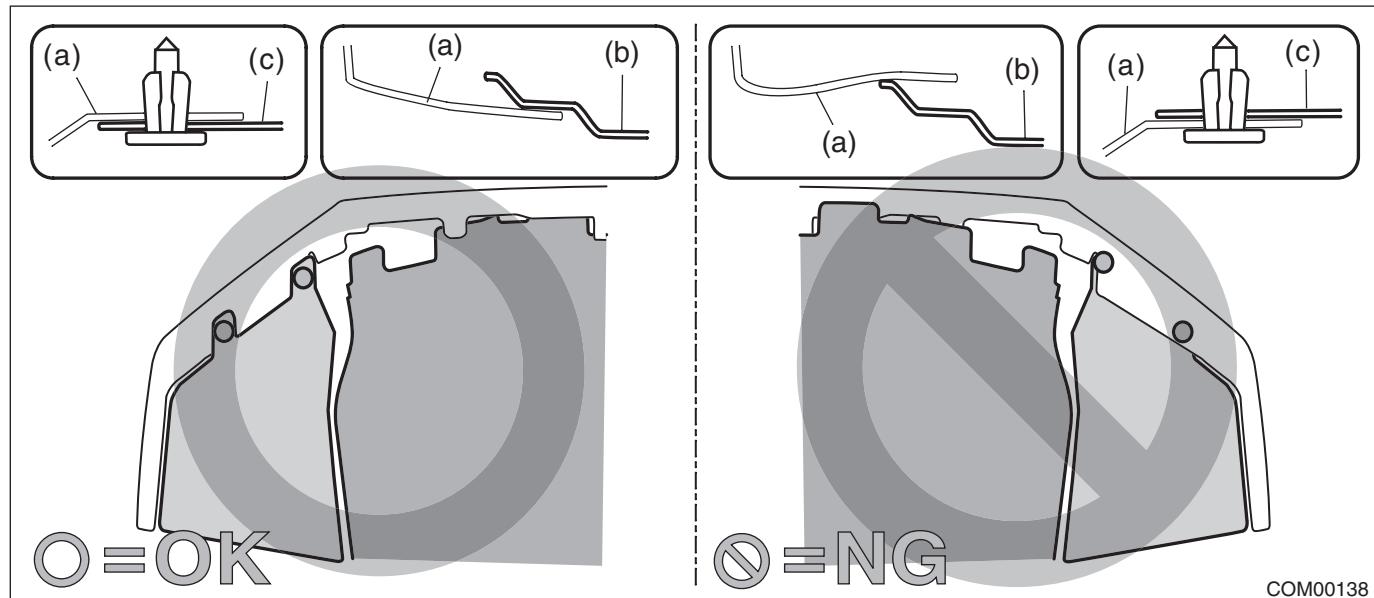
• Be careful not to damage the condenser and radiator fin. If a damaged fin is found, repair it using a thin screwdriver.



## B: INSTALLATION

### CAUTION:

- If the condenser assembly - air conditioner has been replaced, add an appropriate amount of compressor oil. <Ref. to AC-34, 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.
- Install so that the front end of the under cover (b) comes inside the bumper face - front (a), and the front end of the mud guard (c) comes outside the bumper face - front (a).



- 1) Install the condenser assembly - air conditioner.

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 2) Install the radiator upper brackets.

***Tightening torque:***

**12 N·m (1.2 kgf-m, 8.9 ft-lb)**

- 3) Install the over flow pipe. (STI model)

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 4) Install the hose - pressure discharge and the pipe - evaporator cooling.

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 5) Install the bracket – front center LWR.

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 6) Install the under cover - front.

***Tightening torque:***

**18 N·m (1.8 kgf-m, 13.3 ft-lb)**

- 7) Lower the vehicle.

- 8) Install the reservoir tank.

- 9) Install the air intake duct.

- 10) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

**NOTE:**

For models other than STI model, connect the ground terminal to battery sensor.

- 11) Charge refrigerant. <Ref. to AC-27, 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.