

18. Hose and Pipe

A: REMOVAL

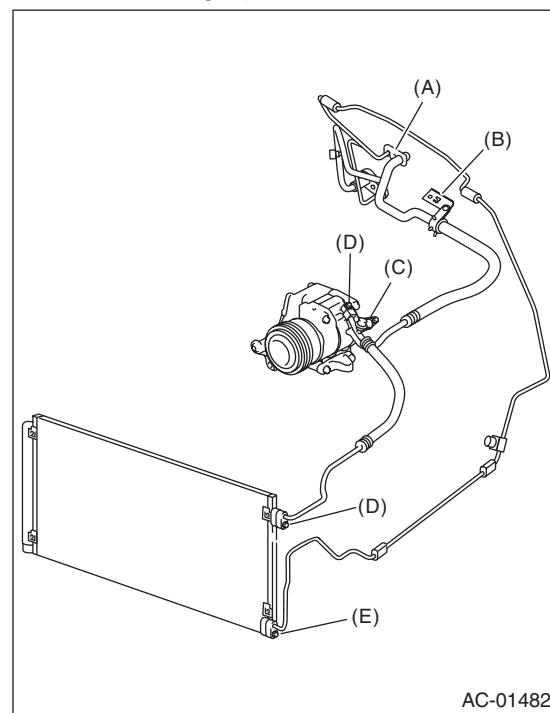
CAUTION:

- When disconnecting hoses, do not apply excessive force. After installing, check that no torsion or excessive tension applied to the hoses.
- Seal the disconnected hose, pipe and engaging part of component with a plug or vinyl tape to prevent foreign matter from entering.

1. FRONT

- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-21, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Remove the evaporator unit mounting bolt (A) and low-pressure hose bracket bolt (B).
- 4) Remove the low-pressure hose attaching bolts (C).
- 5) Disconnect the low-pressure hose from evaporator unit.
- 6) Disconnect the low-pressure hose from compressor.
- 7) Remove the low-pressure hose from vehicle.
- 8) Remove the high-pressure hose attaching bolt (D).
- 9) Disconnect the high-pressure hose from compressor.
- 10) Disconnect the high-pressure hose from condenser.
- 11) Remove the high-pressure hose from vehicle.
- 12) Remove the high-pressure pipe attaching bolt (E).

- 13) Remove the high-pressure tube from vehicle.



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Hose and Pipe

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

2. REAR

- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-21, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Remove the sheet and floor mat. <Ref. to EI-49, REMOVAL, Floor Mat.>
- 4) Remove the ECM bracket. <Ref. to FU(H6DO)-55, REMOVAL, Engine Control Module (ECM).>
- 5) Remove the quick connectors (A and B).

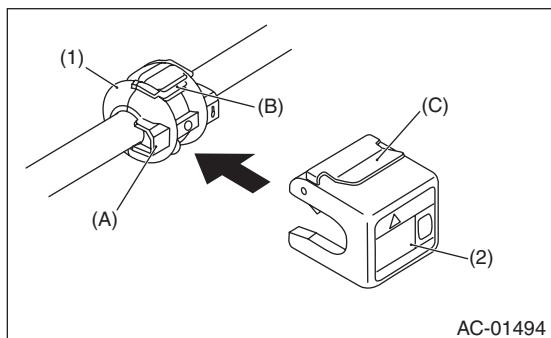
ST REMOVER PS73499XA01A

ST REMOVER PD73499XA00A

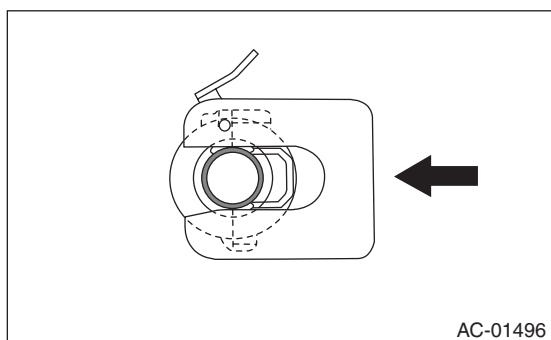
NOTE:

Description for handling the special tool

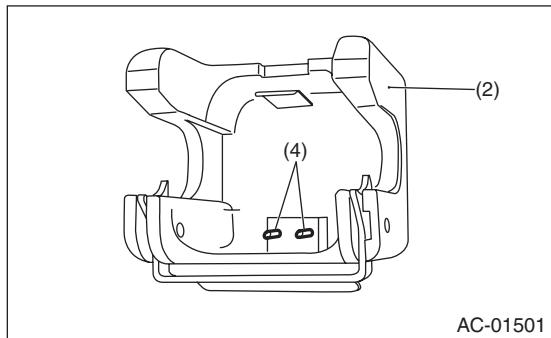
1. Face collar side (A) of the quick connector (1) to the remover (2), and set lock part (B) on the stopper side (C) of the remover.



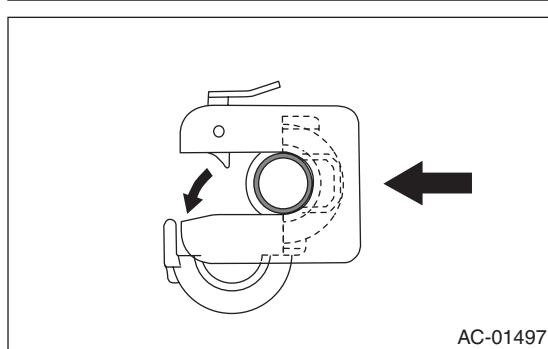
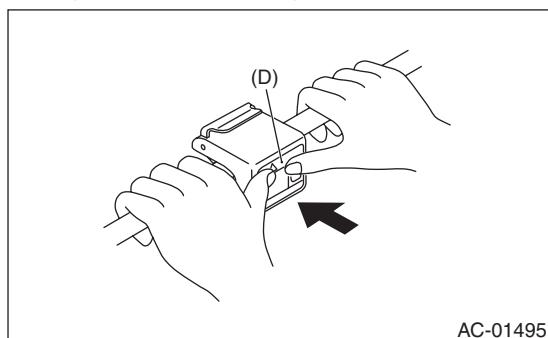
2. Insert the remover.



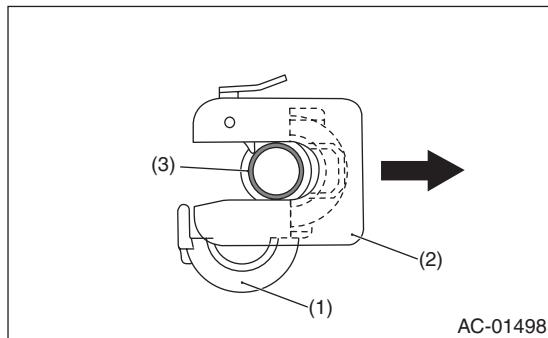
Do not bend the needle (4) in the remover.



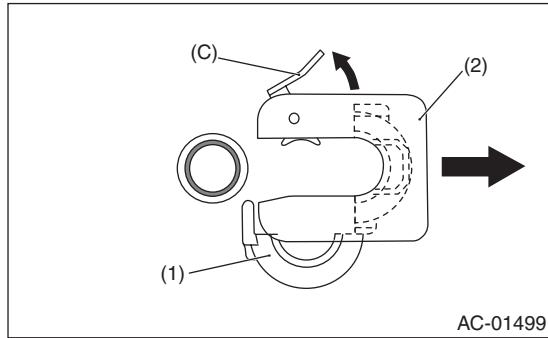
3. With the pipe secured, press the label part (D) of the remover with a thumb. Connector is unlocked and the quick connector opens.



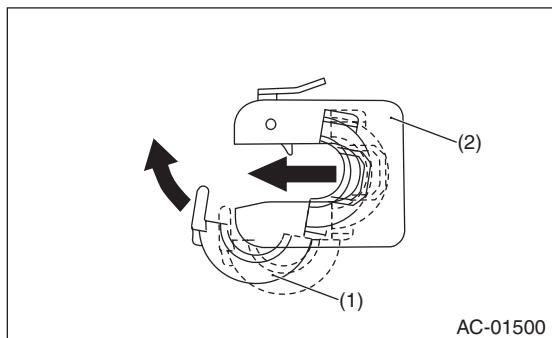
4. Pull the remover (2) and separate the pipe (3) from the quick connector (1).



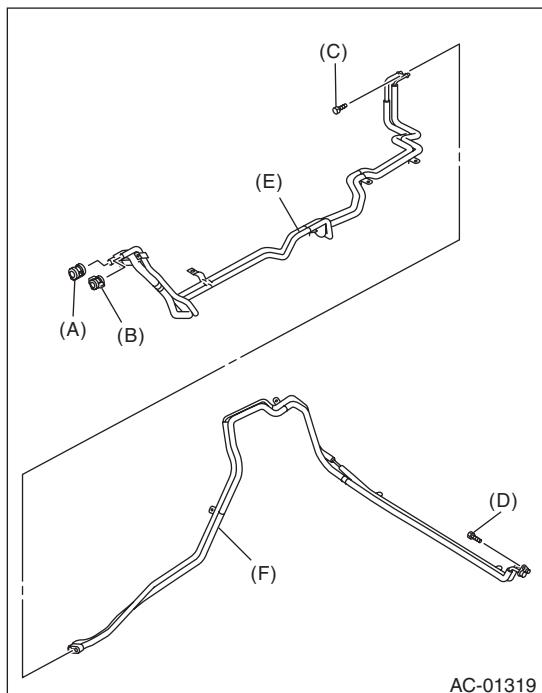
5. Pull up the stopper (C) and remove the remover (2) and quick connector (1) from the pipe.



6. Disconnect the quick connector (1) from the remover (2).



6) Remove the pipe bracket.
7) Remove the front pipe and rear pipe connecting bolts (C).
8) Remove the connecting bolts (D) of the rear cooler unit.
9) Remove the front pipe (E) and rear pipe (F).



B: INSTALLATION

CAUTION:

- When connecting hoses, do not apply an excessive force to them. After installing, check that no torsion or excessive tension applied to the hoses.
- Replace the O-rings with new parts, and then apply compressor oil.
- If the hose and pipe has been replaced, add an appropriate amount of compressor oil to the compressor. <Ref. to AC-26, ADJUSTMENT, Compressor Oil.>

- 1) Install in the reverse order of removal.
- 2) Charge refrigerant. <Ref. to AC-22, PROCEDURE, Refrigerant Charging Procedure.>

Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to AC-11, AIR CONDITIONING UNIT, COMPONENT, General Description.>

C: INSPECTION

Check the hoses for cracks, damage and expansion. If any fault is found, replace with new parts.