

REMOVAL

1. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM** (See page [AC-103](#))
2. **DISCONNECT COOLER REFRIGERANT SUCTION PIPE C**

- (a) Install SST on the piping clamp.

HINT:

Make sure the direction of the piping clamp claw and SST by seeing the illustration shown on the caution label.

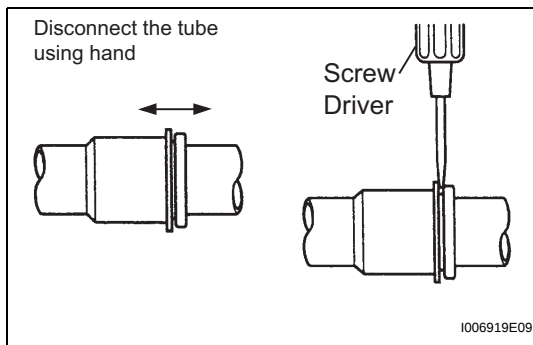
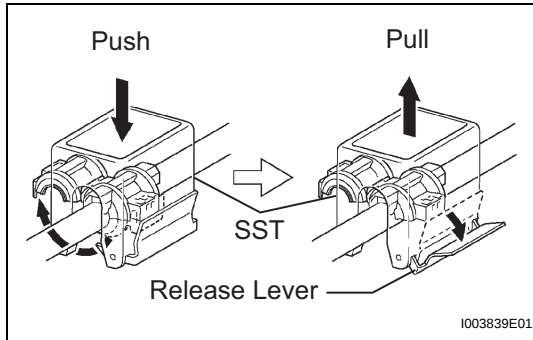
- (b) Push down SST and release the clamp lock.

NOTICE:

Be careful not to deform the tube when pushing SST.

- (c) Pull SST slightly and push the release lever, and then remove the piping clamp with SST.

SST 09870-00015



- (d) Disconnect the air conditioning tube assembly.

NOTICE:

- Do not use tools like screwdriver to remove the tube.
- Cap the open fittings immediately to keep moisture or dirt out of the system.

3. **DISCONNECT COOLER REFRIGERANT LIQUID PIPE C**

HINT:

Disconnection of the cooler refrigerant liquid pipe C is same as the cooler refrigerant suction pipe C.

SST 09870-00025

4. **DISCONNECT HEATER WATER OUTLET HOSE A(FROM HEATER UNIT)**

- (a) Using pliers, grip the claws of the clip and slide the clip and disconnect the heater water outlet hose A (from the heater unit).

5. **DISCONNECT HEATER WATER OUTLET HOSE A(FROM HEATER UNIT)**

6. **REMOVE INSTRUMENT PANEL SAFETY PAD SUB-ASSEMBLY**

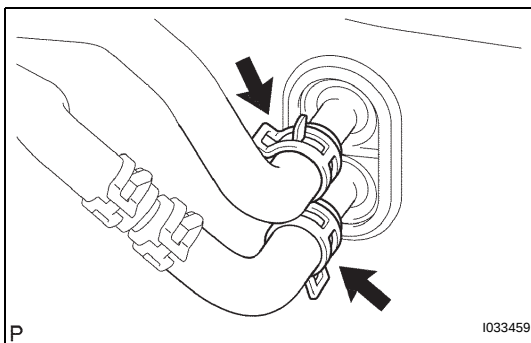
HINT:

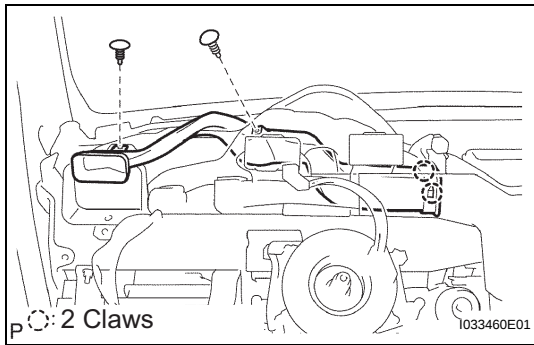
Refer to the instructions for removal of the instrument panel safety pad sub-assembly (See page [IP-6](#)).

7. **REMOVE ECM**

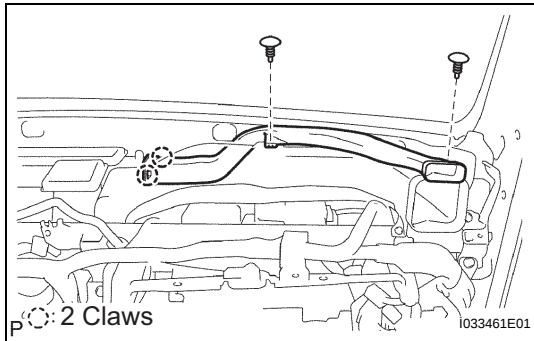
- See page [ES-434](#) for 1GR-FE.
- See page [ES-510](#) for 2UZ-FE.

8. **REMOVE AIR CONDITIONING AMPLIFIER ASSEMBLY** (See page [AC-148](#))

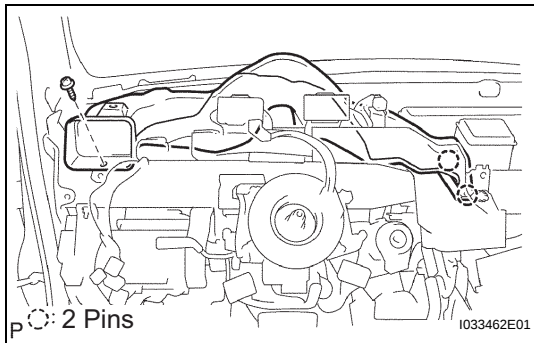


**9. REMOVE SIDE DEFROSTER NOZZLE DUCT NO. 1**

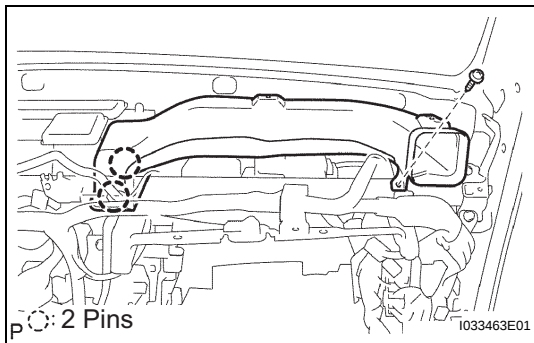
- (a) Remove the 2 clips.
- (b) Release the 2 claw fittings and remove the side defroster nozzle duct No. 1.

**10. REMOVE SIDE DEFROSTER NOZZLE DUCT NO. 2**

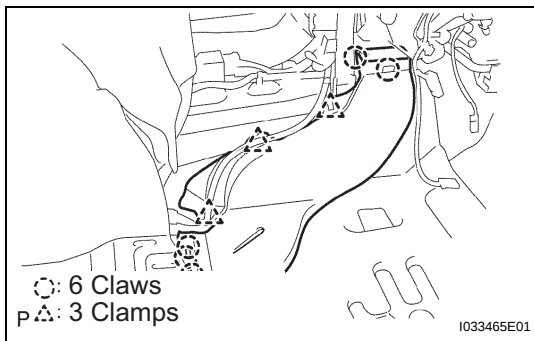
- (a) Remove the 2 clips.
- (b) Release the 2 claw fittings and remove the side defroster nozzle duct No. 2.

**11. REMOVE HEATER TO REGISTER DUCT NO. 1**

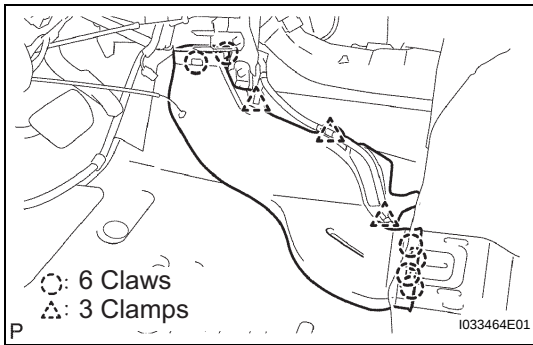
- (a) Remove the screw.
- (b) Release the 2 pin fittings and remove the heater to register duct No. 1.

**12. REMOVE HEATER TO REGISTER DUCT NO. 3**

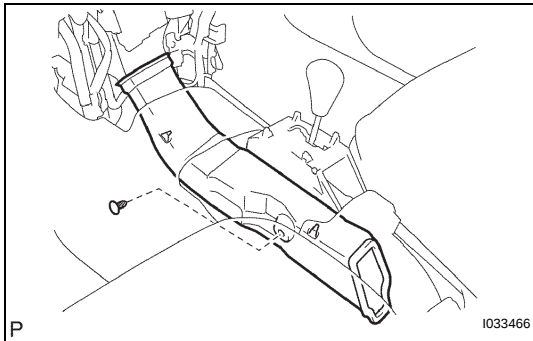
- (a) Remove the screw.
- (b) Release the 2 pin fittings and remove the heater to register duct No. 3.

**13. REMOVE AIR DUCT REAR NO. 1**

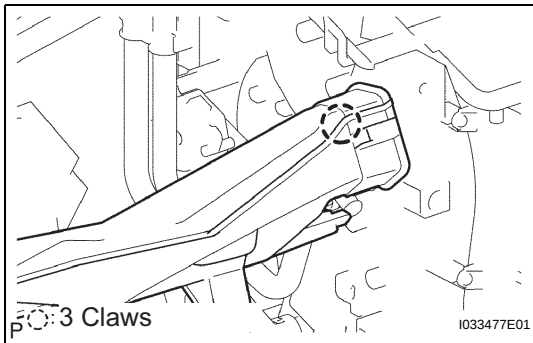
- (a) Release the 6 claw fittings and 3 clamps and remove the air duct rear No. 2.

**14. REMOVE AIR DUCT REAR NO. 2**

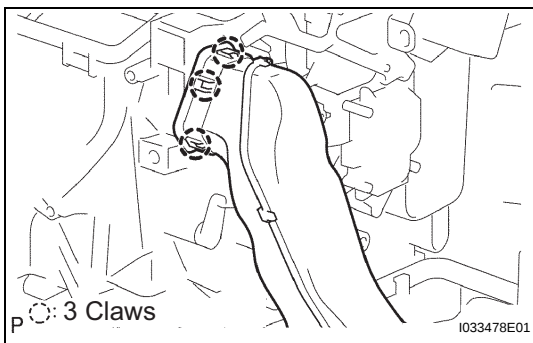
- (a) Release the 6 claw fittings and 3 clamps and remove the air duct rear No. 1.

**15. DISCONNECT CONSOLE BOX DUCT NO. 1**

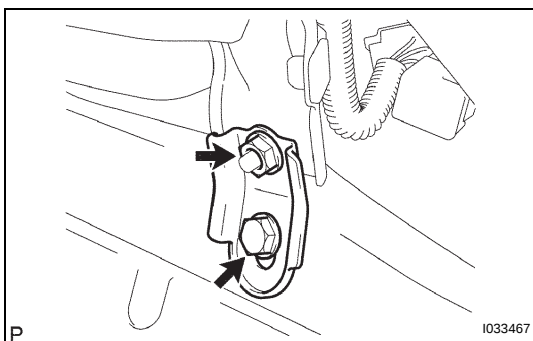
- (a) Remove the clip and disconnect the console box duct No. 1.

**16. REMOVE AIR DUCT NO. 1**

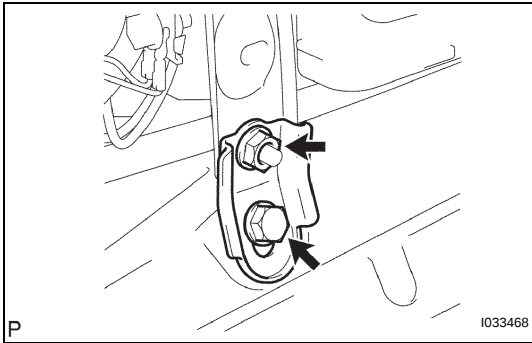
- (a) Release the 3 claw fittings and remove the air duct No. 1.

**17. REMOVE AIR DUCT NO. 2**

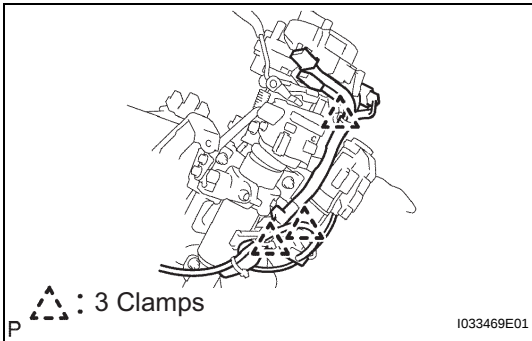
- (a) Release the 3 claw fittings and remove the air duct No. 2.

**18. REMOVE INSTRUMENT PANEL BRACE MOUNTING BRACKET NO. 1**

- (a) Remove the bolt, nut and instrument panel brace mounting bracket No. 1.

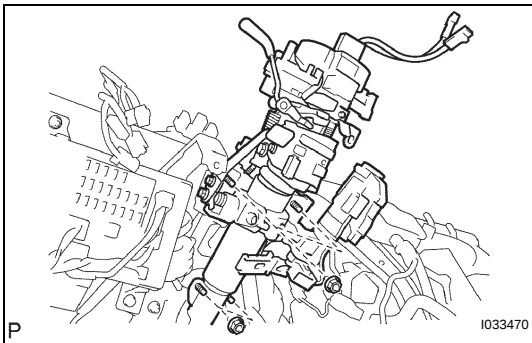


- (b) Remove the bolt, nut and instrument panel brace mounting bracket No. 1.



19. DISCONNECT STEERING COLUMN ASSEMBLY

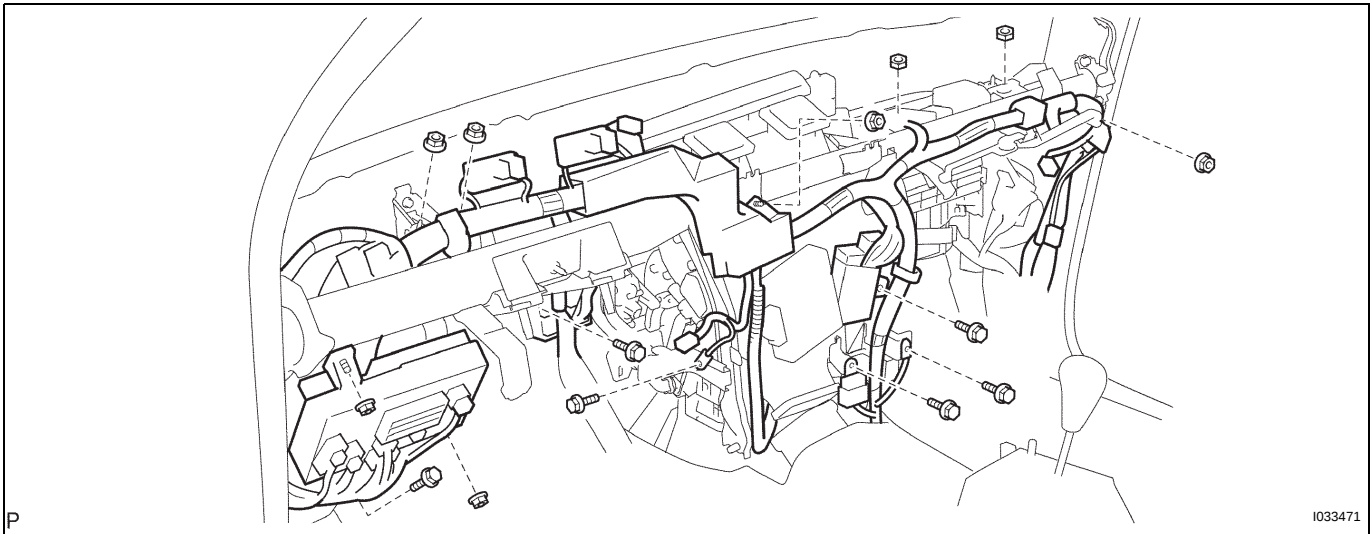
- (a) Release the 3 clamps and disconnect the connector.



- (b) Remove the 4 nuts and disconnect the steering column assembly.

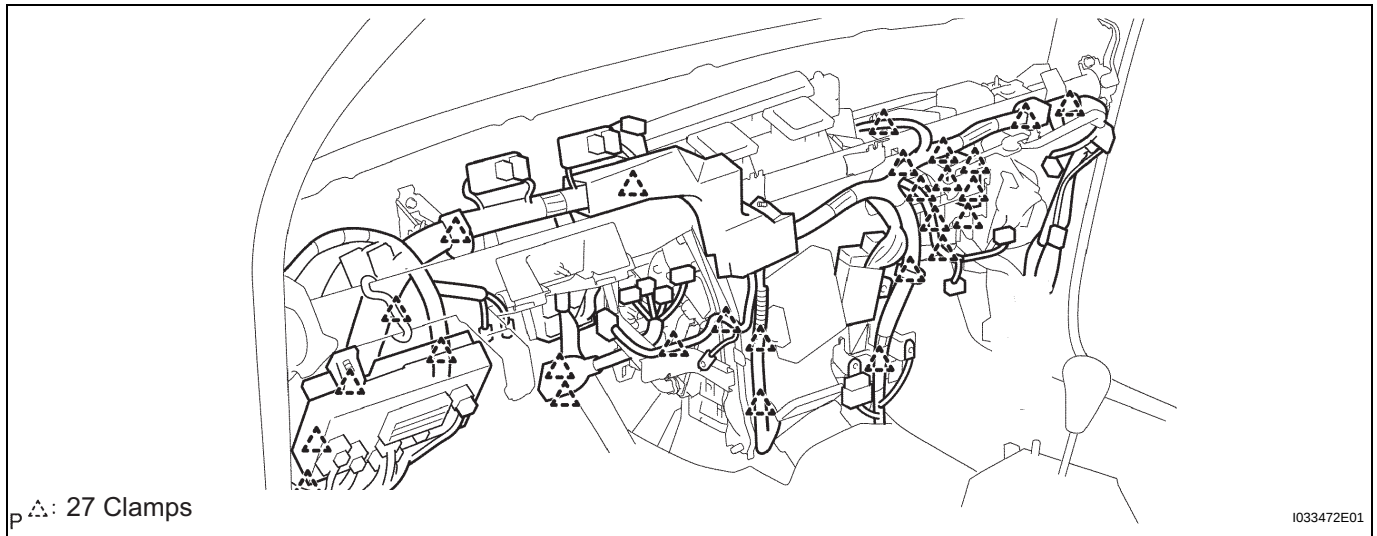
20. REMOVE INSTRUMENT PANEL REINFORCEMENT

- (a) Remove the 6 bolts and 8 nuts.

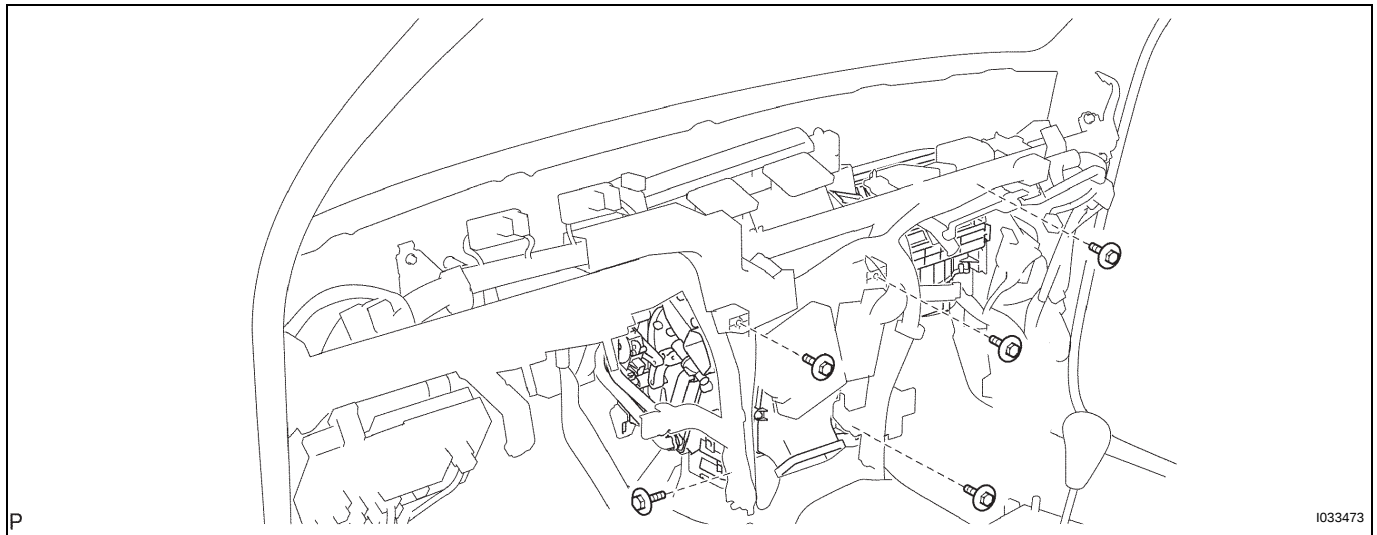


- (b) Release the 27 clamps.

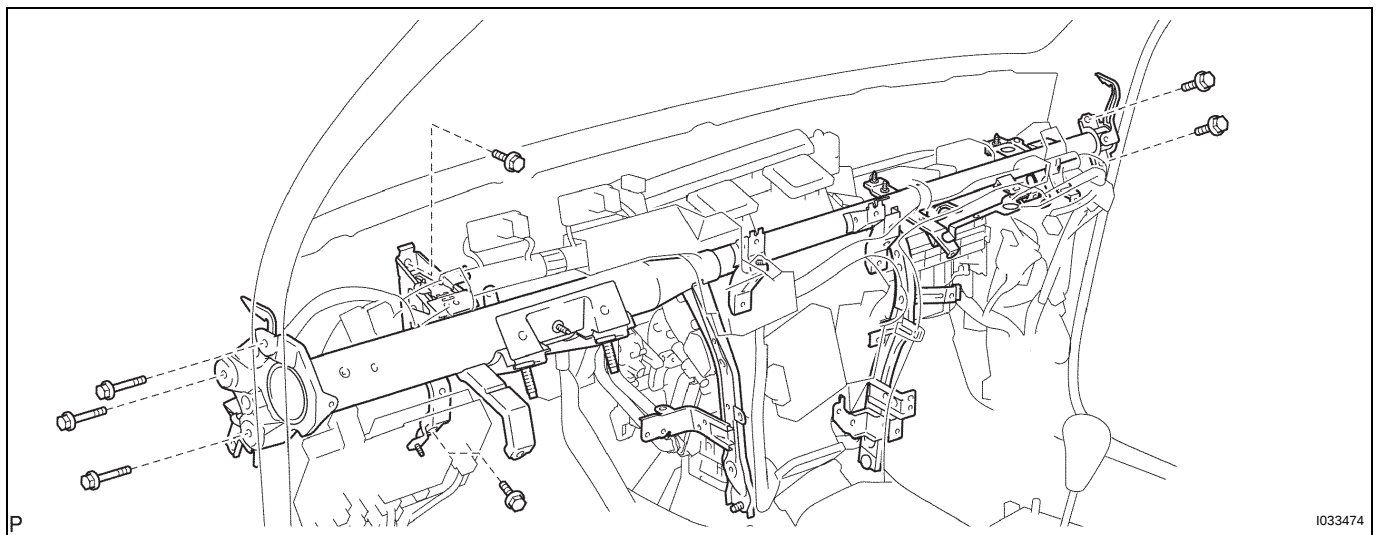
(c) Disconnect the connectors.

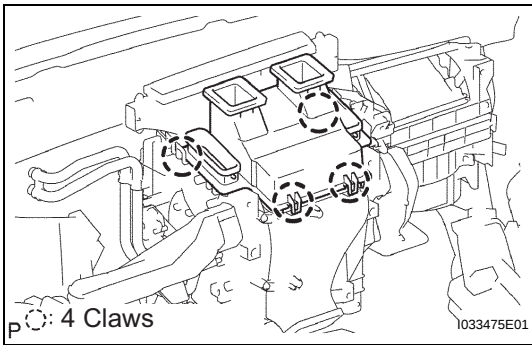


(d) Remove the 5 bolts.

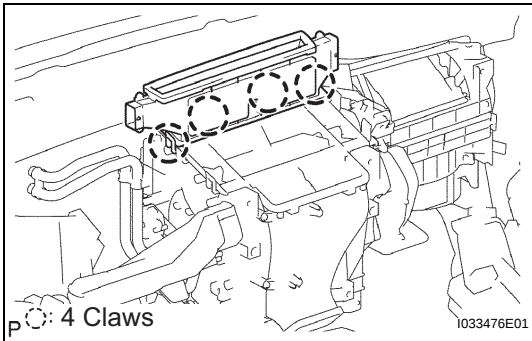
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(e) Remove the 7 bolts and instrument panel reinforcement.

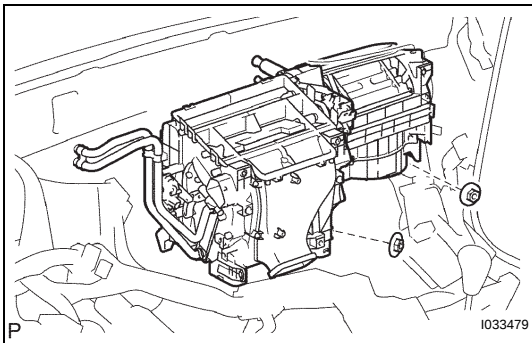


**21. REMOVE HEATER TO REGISTER DUCT CENTER**

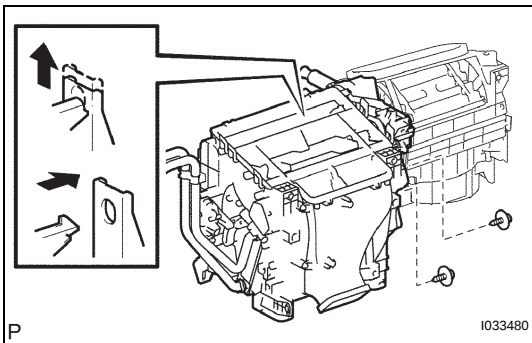
- (a) Release the 4 claw fittings and remove the heater to register duct center.

**22. REMOVE DEFROSTER NOZZLE ASSEMBLY LOWER**

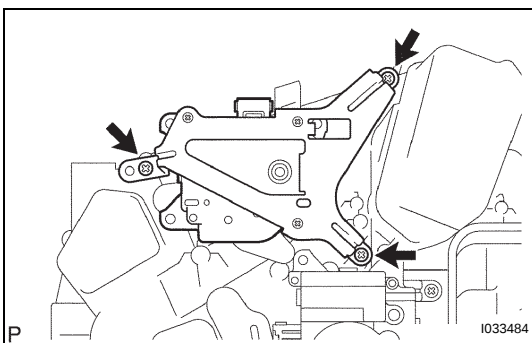
- (a) Release the 4 claw fittings and remove the defroster nozzle assembly lower.

**23. REMOVE AIR CONDITIONING UNIT ASSEMBLY**

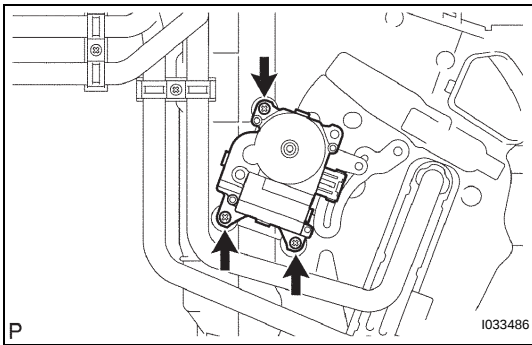
- (a) Disconnect the connectors.
(b) Remove the 2 nut and air conditioner unit assembly.

**24. REMOVE AIR CONDITIONING RADIATOR ASSEMBLY**

- (a) Remove the 2 screws and air conditioning radiator assembly.

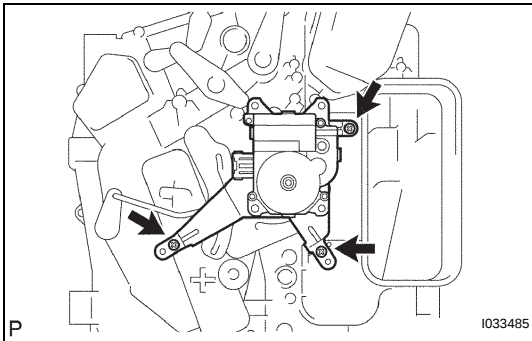
**DISASSEMBLY****1. REMOVE MODE DAMPER SERVO SUB-ASSEMBLY**

- (a) Remove the 3 screws and mode damper servo sub-assembly.



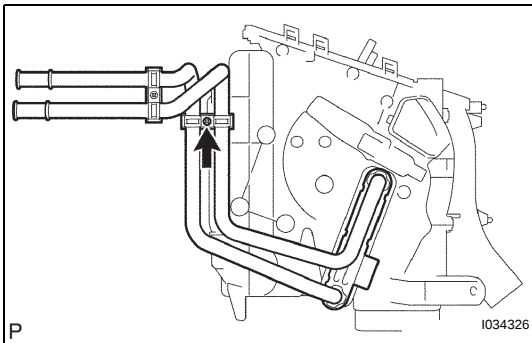
2. REMOVE DAMPER SERVO SUB-ASSEMBLY (INDEPENDENCE TEMPERATURE CONTROL)

- (a) Remove the 3 screws and damper servo sub-assembly.



3. REMOVE DAMPER SERVO SUB-ASSEMBLY

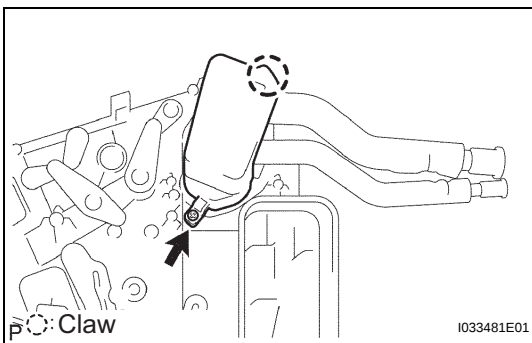
- (a) Remove the 3 screws and damper servo sub-assembly.



4. REMOVE HEATER RADIATOR UNIT SUB-ASSEMBLY

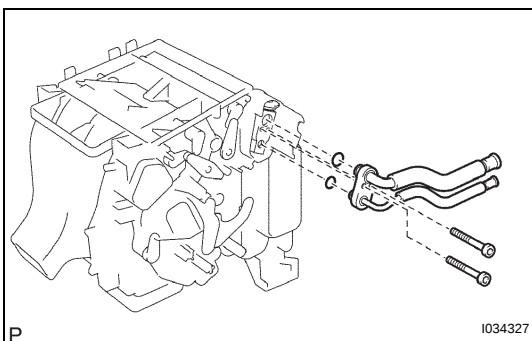
- (a) Remove the screw, clamp and heater radiator unit sub-assembly.

5. REMOVE COOLER UNIT DRAIN HOSE NO. 1

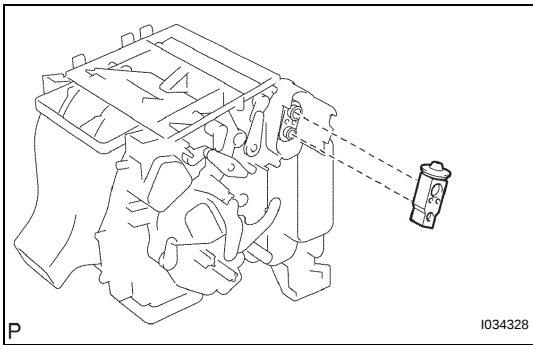


6. REMOVE AIR CONDITIONING TUBE ASSEMBLY

- (a) Remove the screw.
(b) Release the claw fitting and remove the cover.

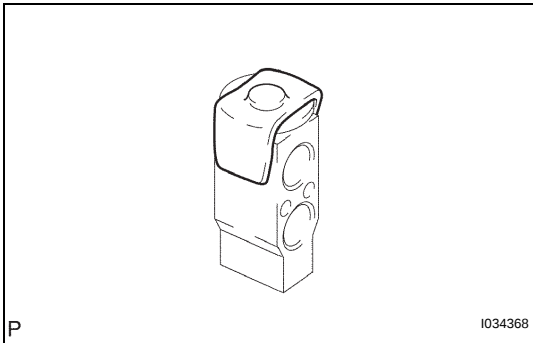


- (c) Using a hexagon wrench 4.0 mm (0.15 in.), remove the 2 hexagon bolts and air conditioning tube assembly.
(d) Remove the 2 O-rings from the air conditioning tube assembly.



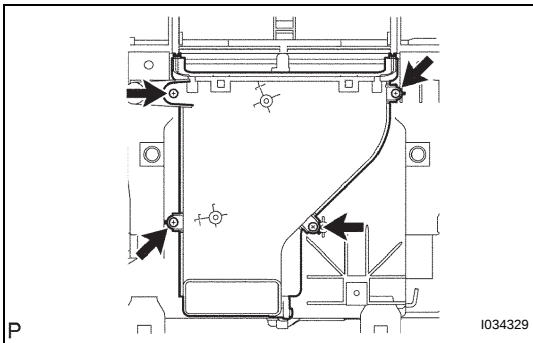
7. REMOVE COOLER EXPANSION VALVE

- (a) Remove the cooler expansion valve from the cooler evaporator sub-assembly No.1.



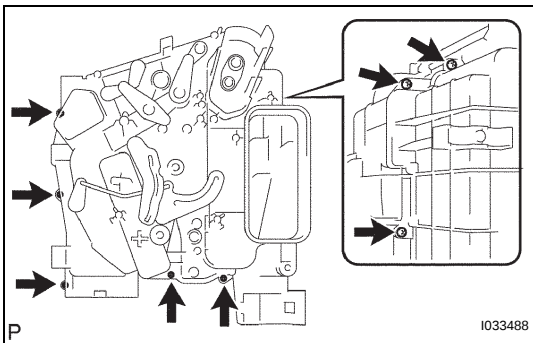
8. REMOVE COOLING UNIT PACKING NO. 1

- (a) Remove the cooling unit packing No. 1.

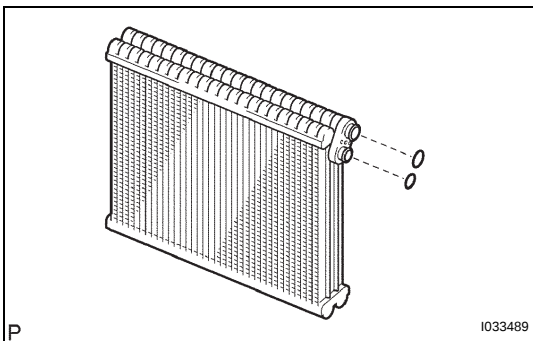


9. REMOVE COOLER EVAPORATOR SUB-ASSEMBLY NO. 1

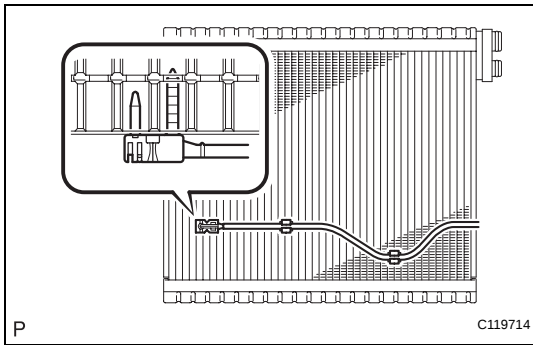
- (a) Remove the 4 screws and air duct sub-assembly.



- (b) Remove the 8 screws and separate the heater case.
(c) Remove the cooler evaporator sub-assembly No. 1.



- (d) Remove the 2 O-rings from the cooler evaporator sub-assembly No. 1.

**10. REMOVE COOLER THERMISTOR NO. 1**

- (a) Remove the cooler thermistor No. 1 from the cooler evaporator sub-assembly No. 1.

11. REMOVE COVER PLATE