550SL–01

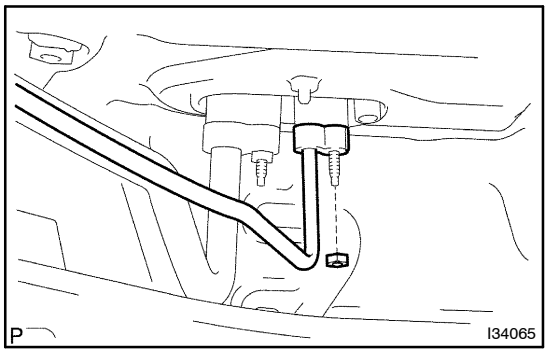
OVERHAUL

HINT:

COMPONENTS: See page 55–108

1. **REMOVE REAR NO. 2 SEAT ASSY RH** (See page 72–46)
2. **REMOVE REAR DOOR SCUFF PLATE RH** (See page 76–58)
3. **REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP RH** (See page 76–58)
4. **REMOVE REAR FLOOR MAT SUPPORT PLATE REAR** (See page 76–58)
5. **REMOVE PACKAGE TRAY TRIM PANEL ASSY** (See page 76–58)
6. **REMOVE QUARTER INSIDE TRIM BOARD RH** (See page 76–58)
7. **REMOVE ROOF SIDE GARNISH INNER RH** (See page 76–58)
8. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM** (See page 55–26)

   SST 07110–58060 (07117–58080, 07117–58090, 07117–78050, 07117–88060, 07117–88070, 07117–88080)



9. DISCONNECT PIPE COOLER REFRIGERANT SUCTION B

(a) Remove the nut and pipe cooler refrigerant suction B.

(b) Remove the O–ring from the pipe cooler refrigerant suction B.

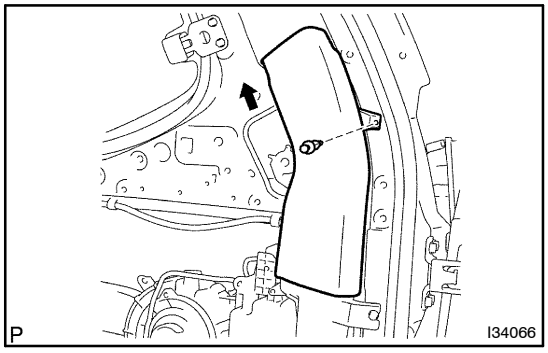
NOTICE:

Seal the opening of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering.

10. DISCONNECT C PIPE COOLER REFRIGERANT LIQUID

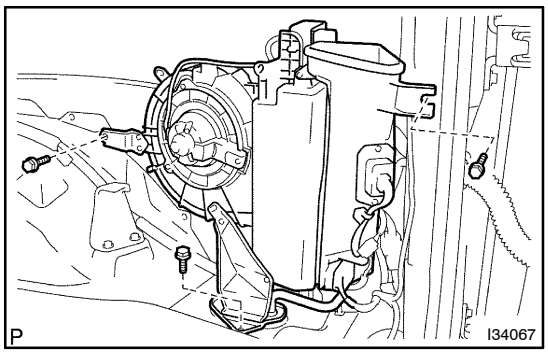
HINT:

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



11. REMOVE COOLER AIR DUCT NO.1

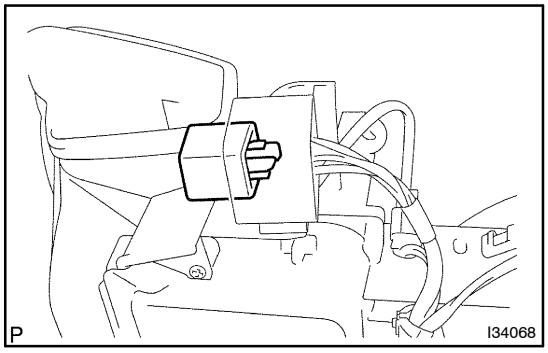
(a) Remove the clip and cooler air duct No. 1.



12. REMOVE COOLING (REAR) UNIT ASSY

(a) Disconnect the connectors.

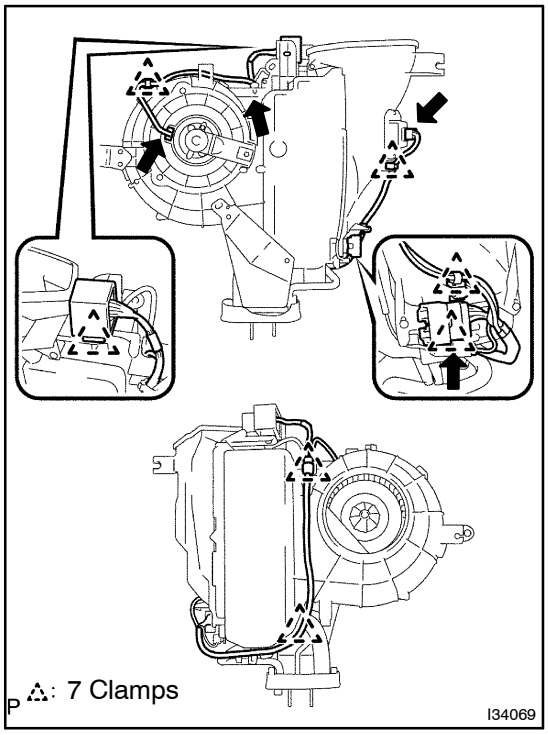
(b) Remove the 3 bolts and cooling (rear) unit assy.



13. REMOVE COOLER RELAY ASSY

(a) Disconnect the connector.

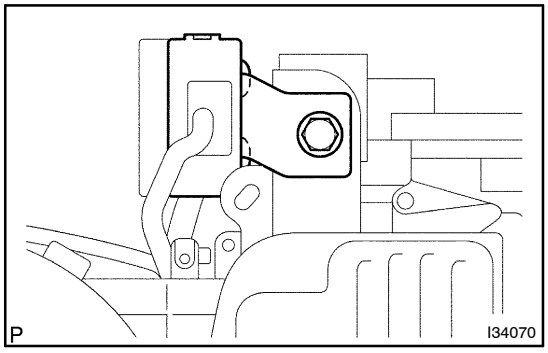
(b) Remove the cooler relay assy.



14. REMOVE WIRING AIR CONDITIONING HARNESS SUB–ASSY

(a) Disconnect the connectors.

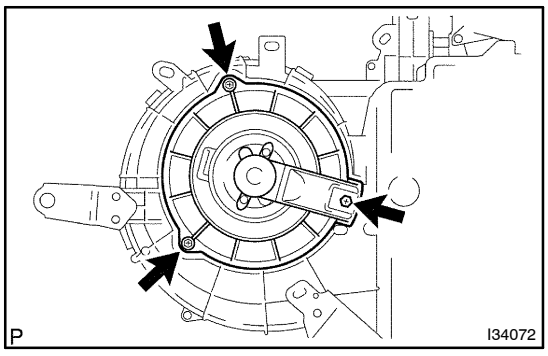
(b) Release the 7 clamps and remove the wiring air conditioning harness sub–assy.



15. REMOVE AIRCONDITIONER AMPLIFIER SUB–ASSY (MANUAL AIR CONDITIONING)

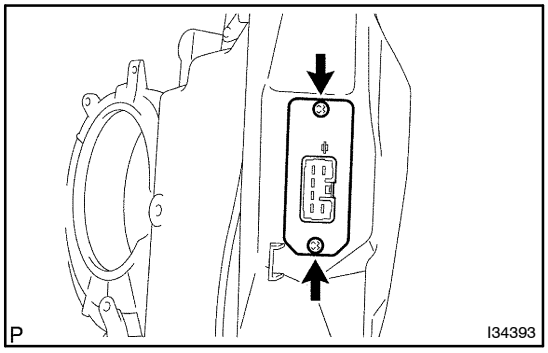
(a) Disconnect the connector.

(b) Remove the bolt and air conditioner amplifier sub–assy.



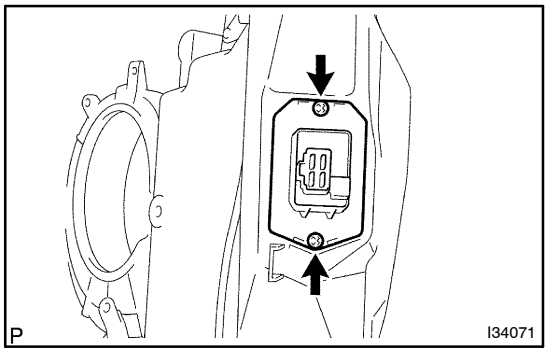
16. REMOVE BLOWER W/FAN (REAR) MOTOR SUB–ASSY

(a) Remove the 3 screws and blower w/ fan (rear) motor sub–assy.



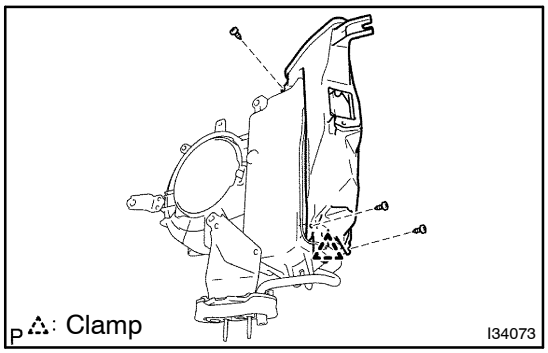
17. REMOVE BLOWER (REAR) RESISTOR (MANUAL AIR CONDITIONING)

(a) Remove the 2 screws and blower (rear) resistor.



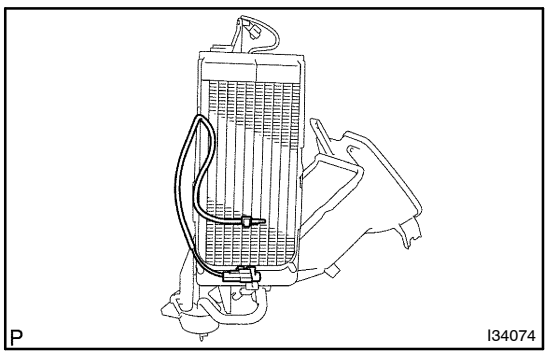
18. REMOVE BLOWER RESISTOR TRANSISTOR ASSY (AUTO AIR CONDITIONING)

(a) Remove the 2 screws and blower resistor transistor assy.



19. REMOVE COOLER AIR DUCT NO.1

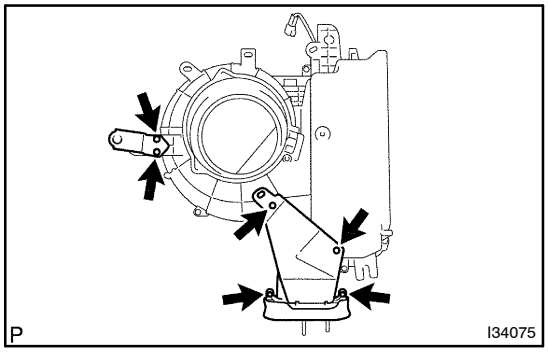
(a) Release the clamp and remove the 3 screws and cooler air duct No. 1.



20. REMOVE COOLER NO.2 THERMISTOR

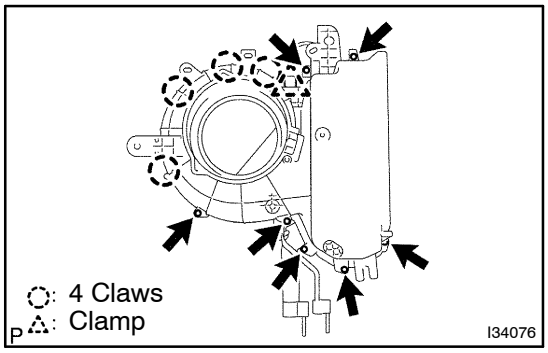
(a) Remove the cooler No. 2 thermistor.

21. REMOVE COOLER UNIT DRAIN HOSE NO.1

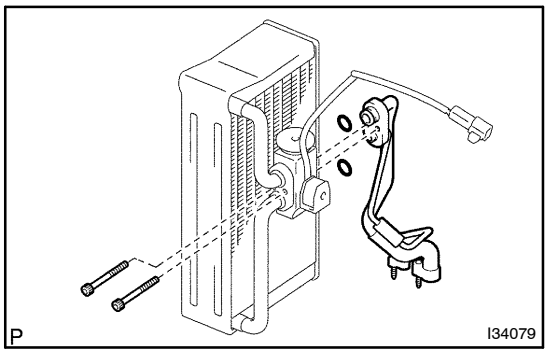


22. REMOVE COOLER UNIT CASE

(a) Remove the 6 screws and 2 brackets.



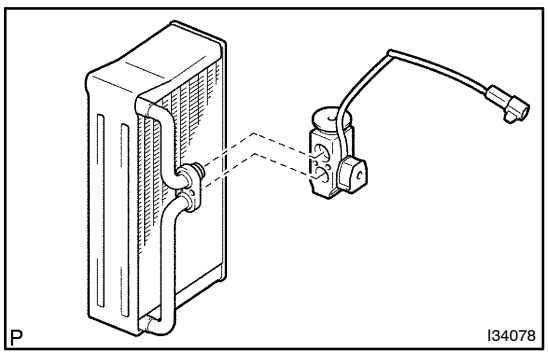
(b) Release the 4 claw fittings and clamp and remove the 7 screws and 2 cooler unit cases.



23. REMOVE AIR CONDITIONING TUBE ASSY

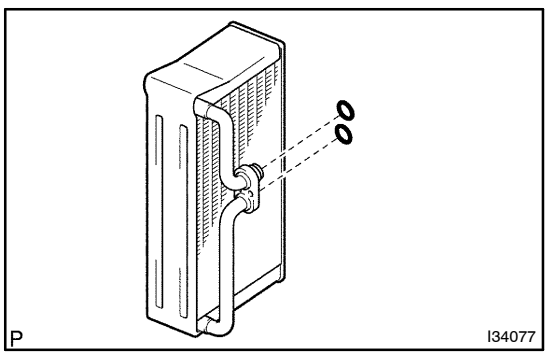
(a) Using a hexagon wrench 4.0 mm (0.15 in), remove the 2 hexagon bolts and air conditioning tube assy.

(b) Remove the 2 O–rings from the air conditioning tube assy.



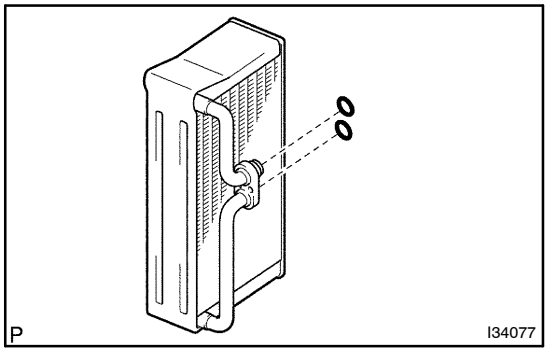
24. REMOVE REAR COOLING UNIT EXPANSION VALVE

(a) Remove the rear cooling unit expansion valve.



25. REMOVE EVAPORATOR SUB–ASSY (REAR)

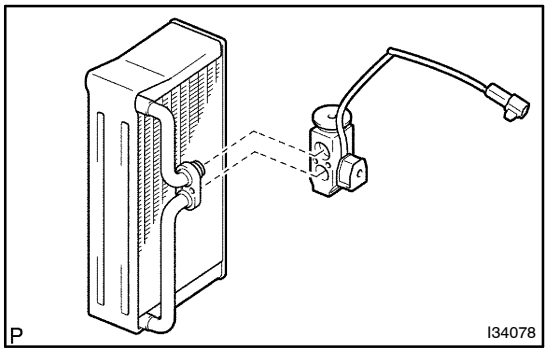
(a) Remove the 2 O–rings from the evaporator sub–assy (rear).



26. INSTALL EVAPORATOR SUB–ASSY (REAR)

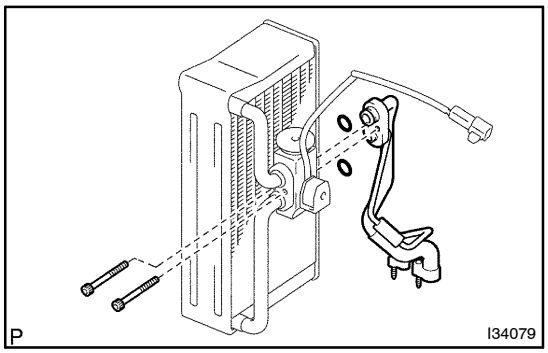
(a) Sufficiently apply compressor oil to the 2 new O–rings and fitting surface of the rear cooling unit expansion valve.
Compressor oil: ND–OIL8 or equivalent

(b) Install the 2 O–rings to the evaporator sub–assy (rear).



27. INSTALL REAR COOLING UNIT EXPANSION VALVE

(a) Install the rear cooling unit expansion valve.

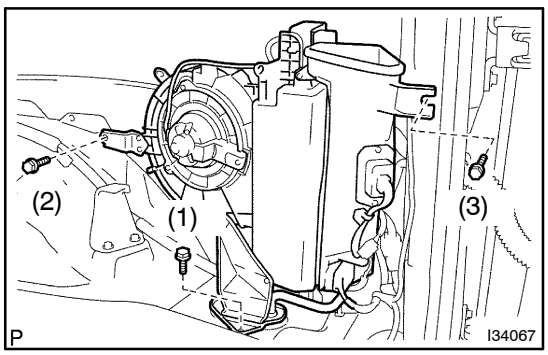


28. INSTALL AIR CONDITIONING TUBE ASSY

(a) Sufficiently apply compressor oil to the 2 new O–rings and fitting surface of the air conditioning tube assy.
Compressor oil: ND–OIL8 or equivalent

(b) Install the 2 O–rings to the air conditioning tube assy

(c) Using a hexagon wrench 4.0 mm (0.15 in.), install the air conditioning tube assy with the 2 hexagon bolts.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)



29. INSTALL COOLING (REAR) UNIT ASSY

(a) Install the cooling (rear) unit assy with the 3 bolt.

NOTICE:

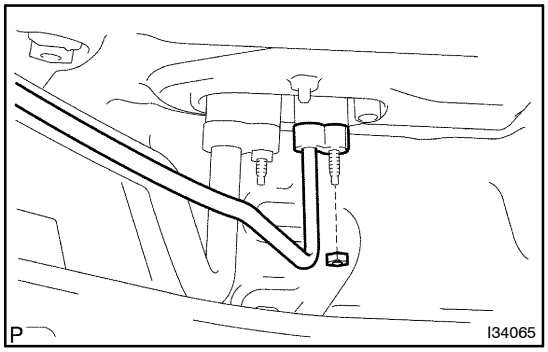
Tighten the bolts in following order shown in the illustration to install the cooling (rear) unit assy.

30. INSTALL PIPE COOLER REFRIGERANT SUCTION B

(a) Remove the attached vinyl tape from the pipe.

(b) Sufficiently apply compressor oil to the new O–ring and fitting surface of the rear cooler and accessory assy.
Compressor oil: ND–OIL8 or equivalent

(c) Install a O–ring to the pipe cooler refrigerant suction B.



(d) Install the pipe cooler refrigerant suction B to the rear cooler and accessary assy with the nut.
Torque: 9.8 N·m (100 kgf·cm, 87 in.·lbf)

31. INSTALL C PIPE COOLER REFRIGERANT LIQUID

HINT:

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

32. INSTALL ROOF SIDE GARNISH INNER RH (See page 76–58)

33. INSTALL REAR NO. 2 SEAT ASSY RH (See page 72–46)

34. CHARGE REFRIGERANT (See page 55–26)

SST 07110–58060 (07117–58060, 07117–58070, 07117–58080, 07117–58090, 07117–78050, 07117–88060, 07117–88070, 07117–88080)

Specified amount:

Dual A/C: 800 ± 30 g (28.21 ± 1.06 oz.)

Dual A/C + Cool box: 900 ± 30 g (31.74 ± 1.06oz.)

35. WARM UP ENGINE (See page 55–26)

36. INSPECT LEAKAGE OF REFRIGERANT (See page 55–26)