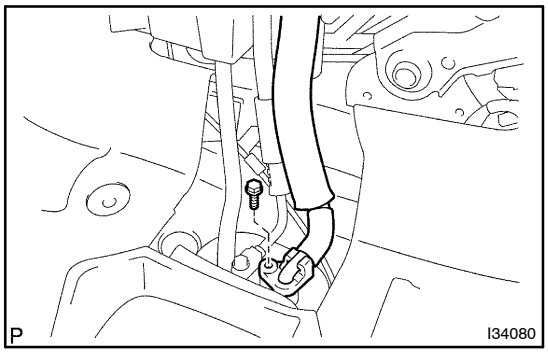
550SE–01

OVERHAUL

HINT:

COMPONENTS: See page 55–115

1. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM** (See page 55–26)
   SST 07110–58060 (07117–58080, 07117–58090, 07117–78050, 07117–88060, 07117–88070, 07117–88080)
2. **REMOVE CONSOLE UPPER PANEL GARNISH NO.2 (SEPARATED FRONT SEAT TYPE)** (See page 71–13)
3. **REMOVE CONSOLE UPPER PANEL GARNISH NO.1 (SEPARATED FRONT SEAT TYPE)** (See page 71–13)
4. **REMOVE CONSOLE PANEL UPPER ASSY (SEPARATED FRONT SEAT TYPE)** (See page 71–13)
5. **REMOVE CONSOLE REAR END PANEL SUB–ASSY (W/ REAR COOLER)** (See page 71–13)
6. **REMOVE RR CONSOLE BOX ASSY** (See page 71–13)



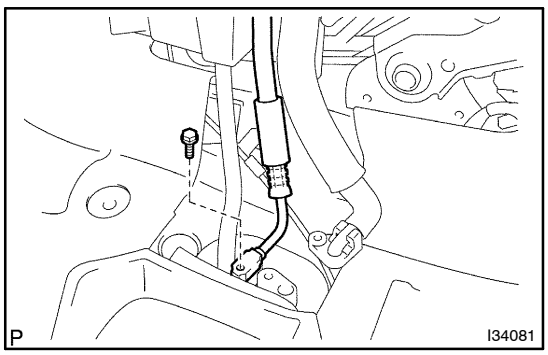
7. REMOVE COOLING UNIT CASE SUB–ASSY

(a) Remove the bolt and disconnect the discharge hose.

(b) Remove the O–ring from the discharge hose.

NOTICE:

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

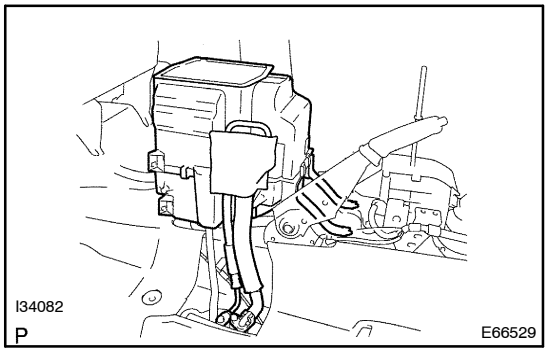


(c) Remove the bolt and disconnect the liquid hose.

(d) Remove the O–ring from the liquid hose.

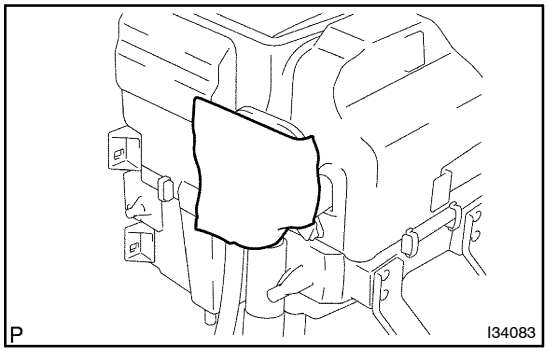
NOTICE:

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



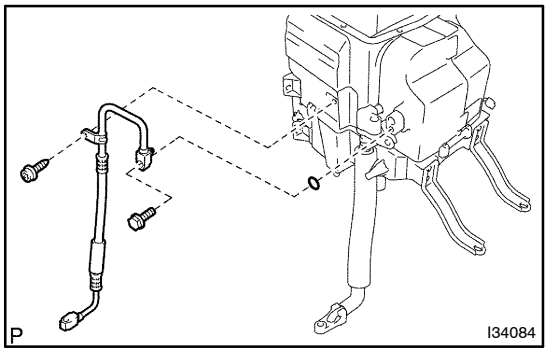
(e) Disconnect the connector and remove the cooling unit case sub–assy.

8. REMOVE COOLER UNIT DRAIN HOSE NO.1



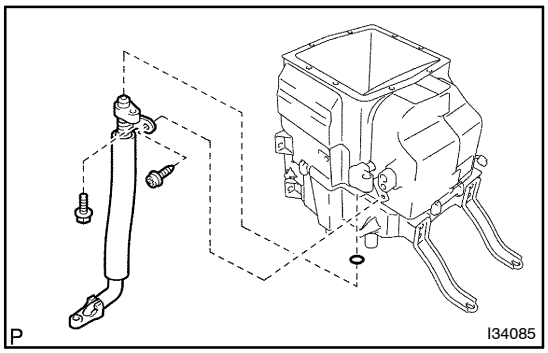
9. REMOVE LIQUID HOSE

(a) Remove the packing.



(b) Remove the 2 bolts and liquid hose.

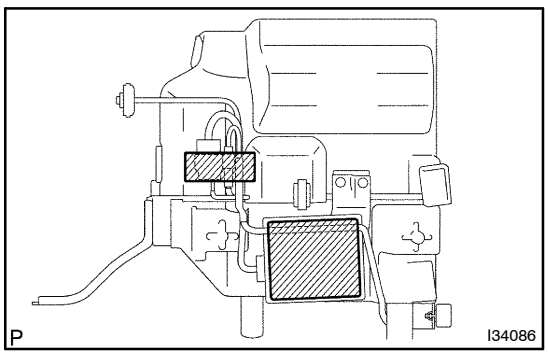
(c) Remove the O–ring from the liquid hose.



10. REMOVE DISCHARGE HOSE

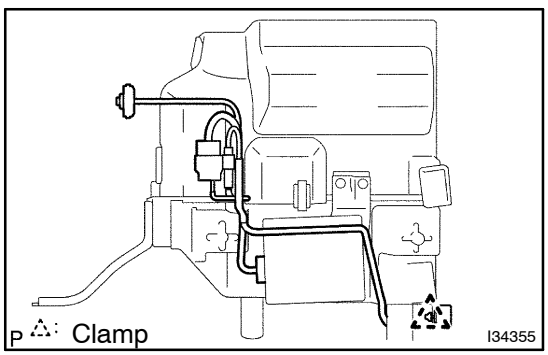
(a) Remove the 2 bolts and discharge hose.

(b) Remove the O–ring from the discharge hose.

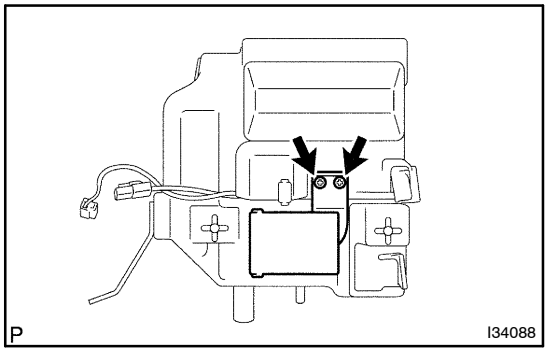


11. REMOVE COOLER WIRING NO.2

(a) Remove the 2 packings.

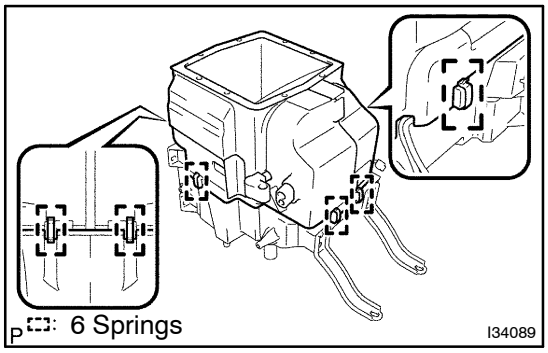


(b) Disconnect the connecters and remove the clamp and cooler wiring No.2.



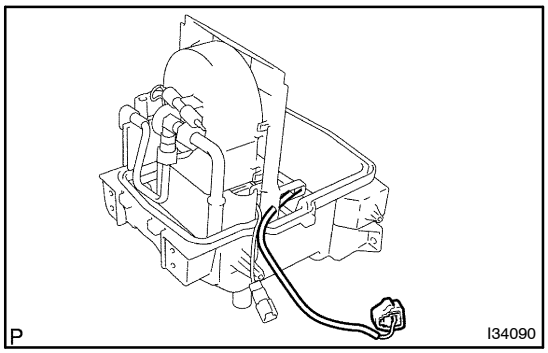
12. REMOVE AIR CONDITIONING AMPLIFIER ASSY

(a) Remove the 2 screws and air conditioning amplifier assy.

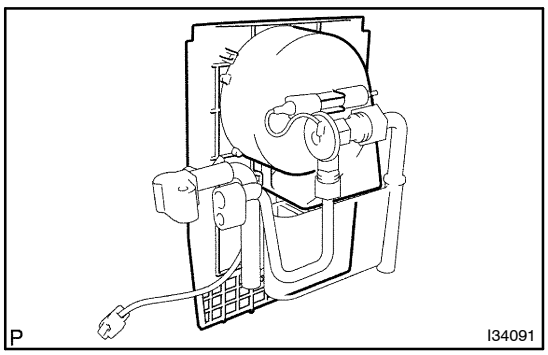


13. REMOVE COOLER NO.3 THERMISTOR

(a) Remove the 6 holding springs and cooling box case.

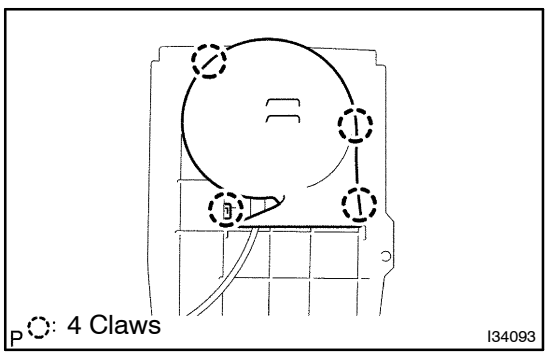


(b) Remove the cooler No. 3 thermistor.

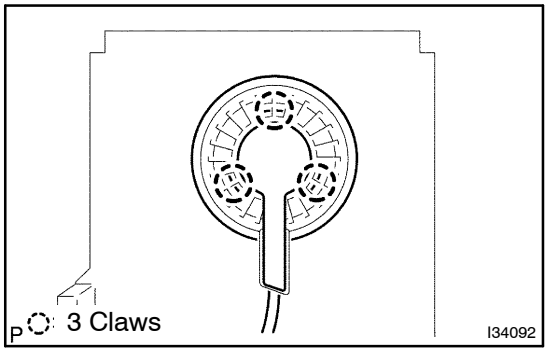


14. REMOVE COOLER BLOWER FAN NO.1

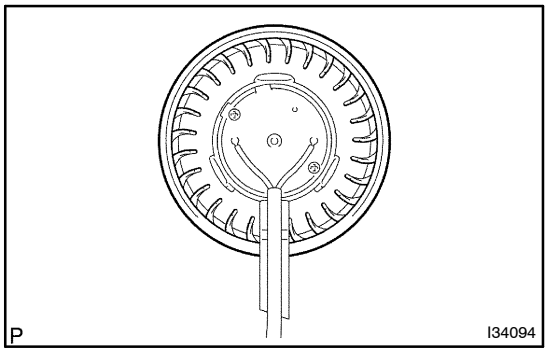
(a) Remove the cooling blower fun assy.



(b) Release the 4 claw fittings and remove the case.

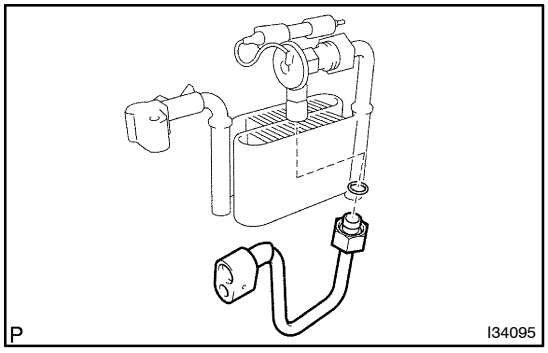


(c) Release the 3 claw fittings and remove the cooler blower motor sub–assy No. 1 w/ fan.



(d) Remove the cooler blower fun No. 1 from the cooler blower motor sub–assy No. 1.

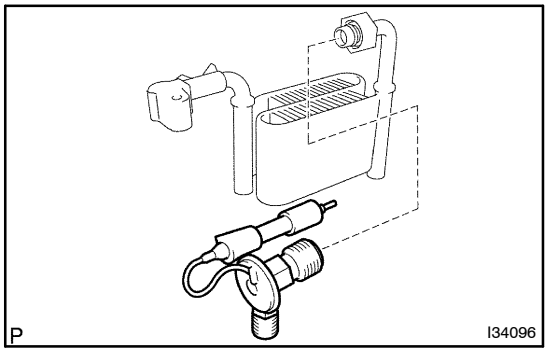
15. REMOVE COOLER BLOWER MOTOR SUB–ASSY NO.1



16. REMOVE COOLER REFRIGERANT LIQUID PIPE NO. 1

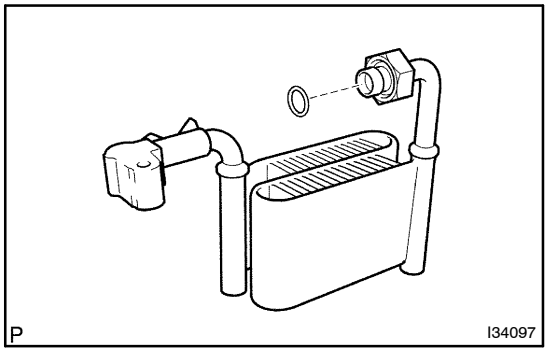
(a) Remove the cooler refrigerant liquid pipe No. 1.

(b) Remove the O–ring from the cooler refrigerant liquid pipe No. 1.



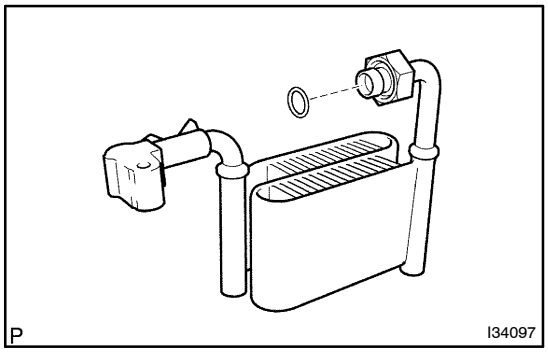
17. REMOVE COOLING BOX EXPANSION VALVE

(a) Remove the cooling box expansion valve.



18. REMOVE COOLER (COOL BOX) EVAPOLATOR SUB–ASSY

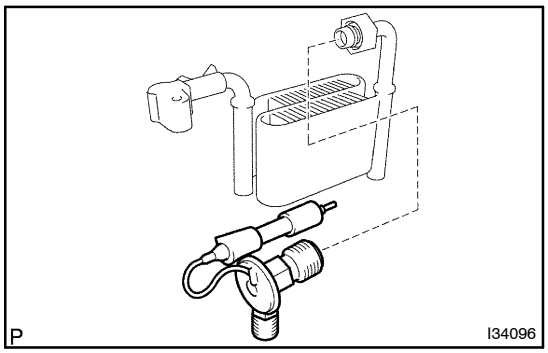
(a) Remove the O–ring from the cooler (cool box) evapolator sub–assy.



19. INSTALL COOLER (COOL BOX) EVAPOLATOR SUB–ASSY

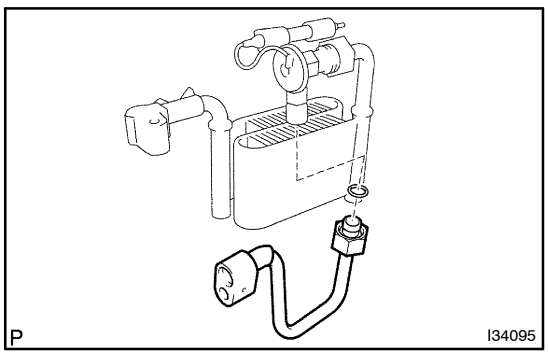
(a) Sufficiently apply compressor oil to the new O–ring and fitting surface of the cooling box expansion valve.
Compressor oil: ND–OIL8 or equivalent

(b) Install the O–ring to the cooler (cool box) evapolator sub–assy.



20. INSTALL COOLING BOX EXPANSION VALVE

(a) Install the cooling box expansion valve.

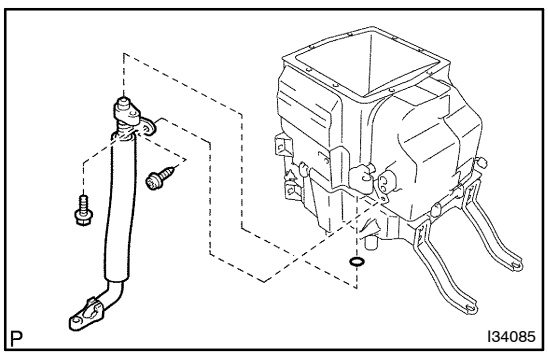


21. INSTALL COOLER REFRIGERANT LIQUID PIPE NO. 1

(a) Sufficiently apply compressor oil to the new O–ring and fitting surface of the cooler refrigerant liquid pipe No. 1.
Compressor oil: ND–OIL8 or equivalent

(b) Install the O–ring to the cooler refrigerant liquid pipe No. 1.

(c) Install the cooler refrigerant liquid pipe No. 1.

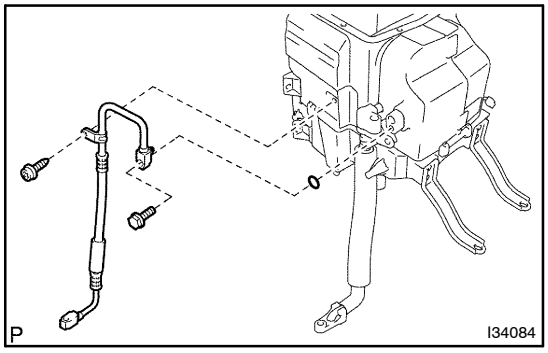


22. INSTALL DISCHARGE HOSE

(a) Sufficiently apply compressor oil to the new O–ring and fitting surface of the cooler (cool box) evapolator sub–assy.
Compressor oil: ND–OIL8 or equivalent

(b) Install the O–ring to the discharge hose.

(c) Install the discharge hose with the 2 bolts.

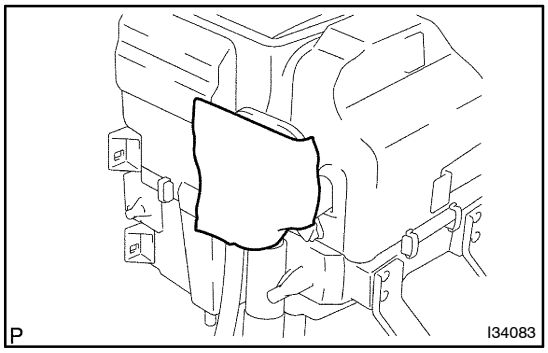


23. INSTALL LIQUID HOSE

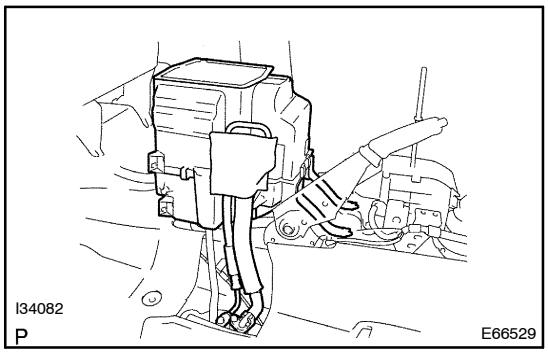
(a) Sufficiently apply compressor oil to the new O–ring and fitting surface of the cooler refrigerant liquid pipe No. 1.
Compressor oil: ND–OIL8 or equivalent

(b) Install the O–ring to the liquid hose.

(c) Install the liquid hose with the 2 bolts.



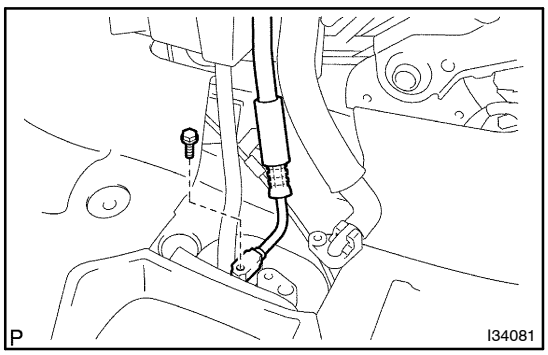
(d) Install the new packing.



24. INSTALL COOLING UNIT CASE SUB–ASSY

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

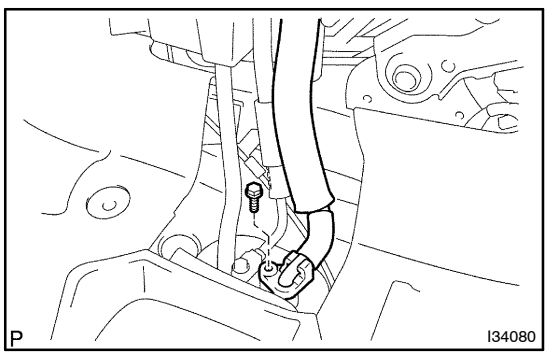
(b) Install the O–ring to the liquid hose.



(c) Install the liquid hose with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

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

(e) Install the O–ring to the discharge hose.



(f) Install the discharge hose with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

25. INSTALL RR CONSOLE BOX ASSY (See page 71–13)

26. 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:

Single A/C + Cool box: 750 ± 30 g (26.45 ± 1.06 oz.)

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

27. WARM UP ENGINE (See page 55–26)

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