550WF–01

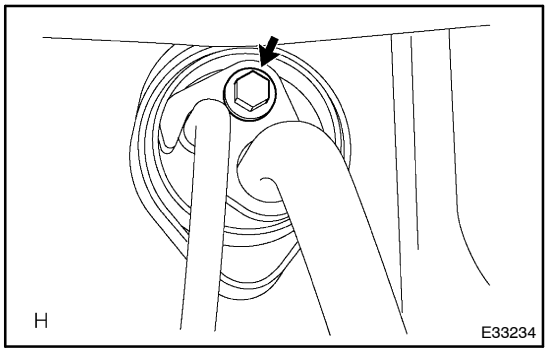
OVERHAUL

HINT:

The installation is in the reverse order of the removal. However, when there is a special point concerning the installation, it is indicated.

1. **REMOVE RADIATOR GRILLE** (See page 76–3)
2. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM** (See page 55–14)

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



3. **DISCONNECT COOLER REFRIGERANT SUCTION HOSE NO.1**

(a) Remove the bolt and disconnect the connection plate.
(b) Disconnect the suction hose and remove the 2 O–rings.

NOTICE:

Tape the disconnected parts of hoses, to protect it from dust and water.

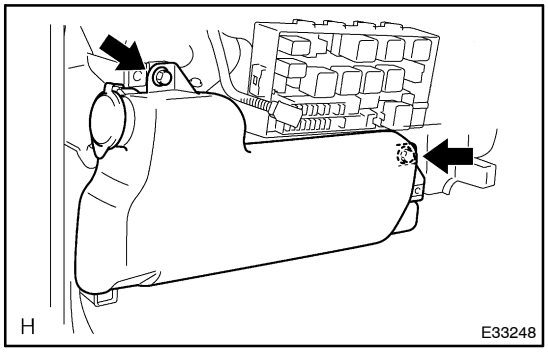
4. **DISCONNECT LIQUID A HOSE**

(a) Disconnect the liquid hose.
(b) Remove the O–ring from the liquid hose.

NOTICE:

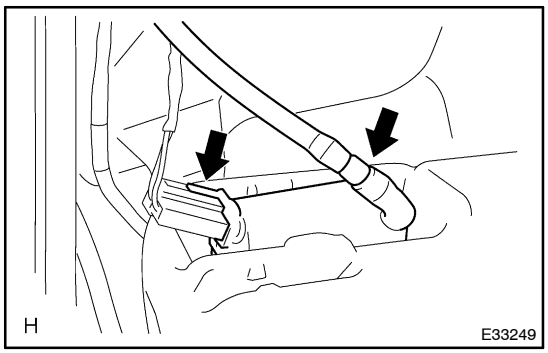
Tape the disconnected parts of hoses, to protect it from dust and water.

5. **REMOVE GLOVE COMPARTMENT DOOR ASSY** (See page 71–11 or 71–17)
6. **REMOVE INSTRUMENT COVER LWR NO.3 (WIDE BODY MODELS)** (See page 71–11)
7. **REMOVE INSTRUMENT COVER LOWER CENTER** (See page 71–11 or 71–17)

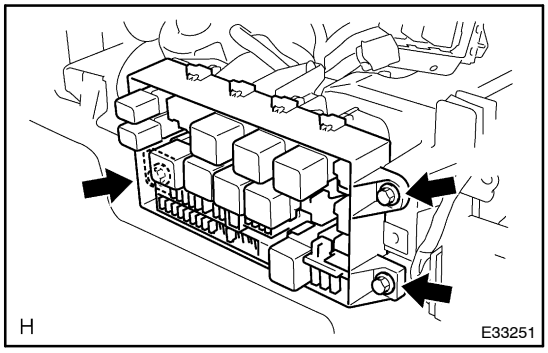


8. **REMOVE WINDSHIELD WASHER JAR ASSY**

(a) Remove the 2 bolts and windshield washer jar.

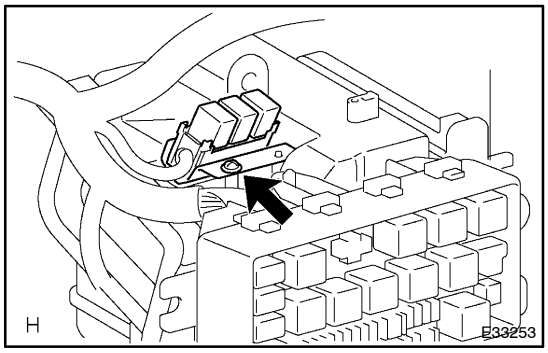


(b) Disconnect the hose and connector from the washer pump.

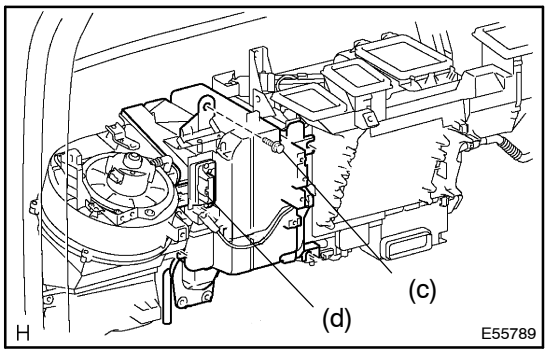


9. REMOVE COOLER UNIT ASSY

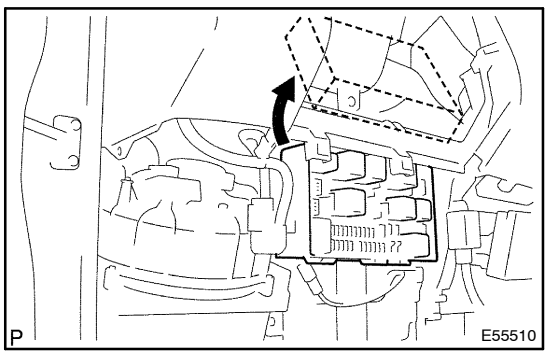
(a) Remove the 3 bolts and disconnect the relay block.



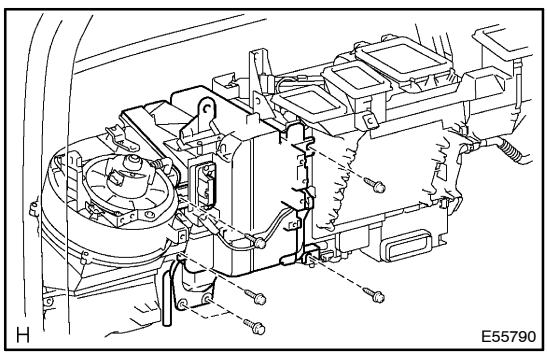
(b) Remove the screw and disconnect the relay block.



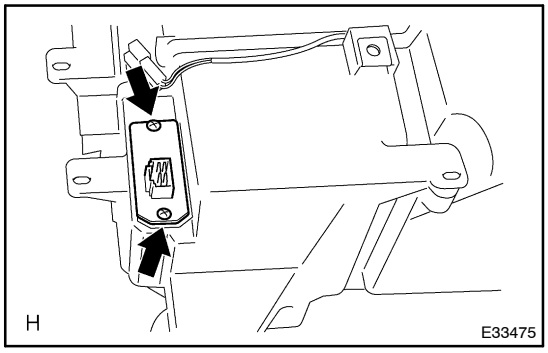
(c) Remove the bolt.
(d) Disconnect the blower resistor connector.
(e) Disconnect the thermistor No. 1 connector.



(f) Slide the relay block assy to the upper part of the vehicle.

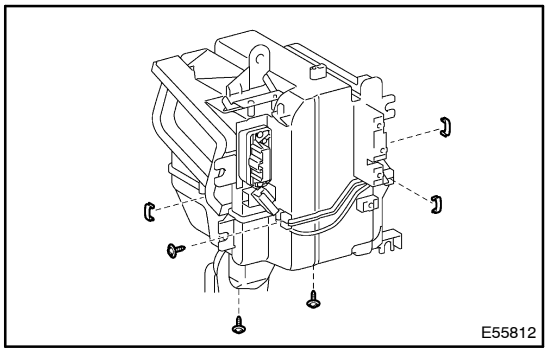


(g) Remove the 2 bolts, 4 screws and cooler unit.



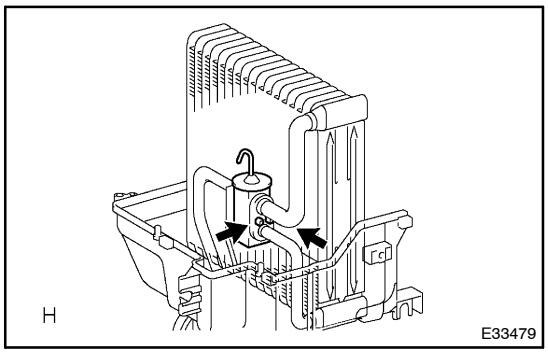
10. REMOVE BLOWER RESISTOR

(a) Remove the 2 screws and blower resister.



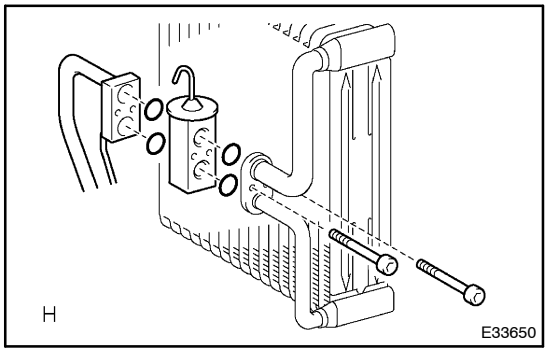
11. REMOVE COOLER EXPANSION VALVE

(a) Remove the 3 screws, 3 holding springs and lower case.



(b) Using a 5 mm hexagon wrench, remove the 2 hexagon bolts, 4 O–rings and expansion valve No. 1.
(c) Remove the 2 O–rings from the air conditioner tube.
(d) Remove the 2 O–rings from the cooler evaporator No. 1.

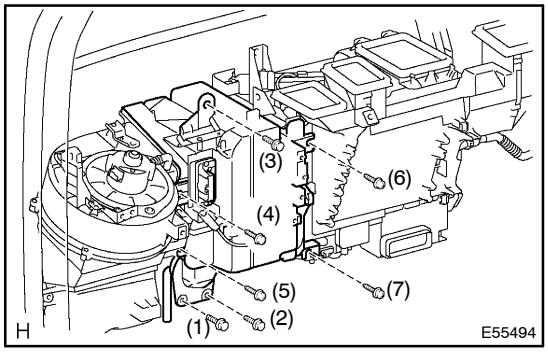
12. REMOVE COOLER THERMISTOR NO.1
13. REMOVE COOLER EVAPORATOR SUB–ASSY NO.1
14. INSTALL COOLER EVAPORATOR SUB–ASSY NO.1
15. INSTALL COOLER THERMISTOR NO.1



16. INSTALL COOLER EXPANSION VALVE

(a) Coat 4 new O–rings with compressor oil and place it to the expansion valve.
Compressor oil: ND–OIL 8 or equivalent
(b) Using a 5 mm hexagon wrench, install the expansion valve No. 1 with the 2 hexagon bolts.
3.4 N·m (35 kgf·cm, 30 in.·lbf)

17. INSTALL BLOWER RESISTOR



18. INSTALL COOLER UNIT ASSY

(a) Install the cooler unit assy with the 3 bolts and 4 screws.

HINT:

The bolts and screws should be installed in the illustrated order.

19. INSTALL WINDSHIELD WASHER JAR ASSY

(a) Connect the hose and connector to washer pump.

(b) Install the windshield washer jar and 2 bolts.

20. INSTALL INSTRUMENT COVER LOWER CENTER (See page 71–11 or 71–17)

21. INSTALL INSTRUMENT COVER LWR NO.3 (WIDE BODY MODELS) (See page 71–11)

22. INSTALL GLOVE COMPARTMENT DOOR ASSY (See page 71–11 or 71–17)

23. INSTALL LIQUID A HOSE

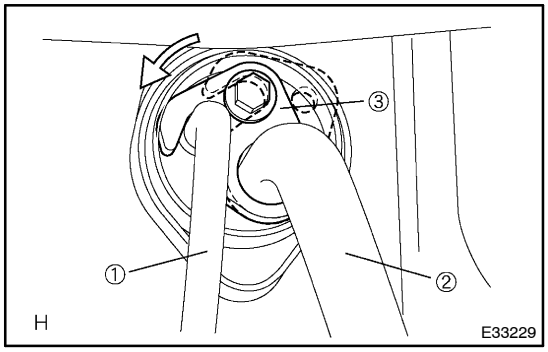
(a) Coat new O–ring with compressor oil and install them to liquid hose.

Compressor oil: ND–OIL 8 or equivalent

(b) Install the O–ring to the hose.

(c) Install the liquid hose.

Torque: 9.8 N·m (100 kgf·cm, 87 in.·lbf)



24. INSTALL COOLER REFRIGERANT SUCTION HOSE NO.1

(a) Coat new O–ring with compressor oil and install them to liquid hose.

Compressor oil: ND–OIL 8 or equivalent

(b) Install the O–ring to the hose.

(c) Install the suction hose.

(d) Install the connection plate and bolt.

Torque: 9.8 N·m (100 kgf·cm, 87 in.·lbf)

25. CHARGE REFRIGERANT (See page 55–14)

SST 07110–58060 (07117–58060, 07117–58070, 07117–58080, 07117–58090, 07117–78050, 07117–88060, 07117–88070, 07117–88080), 07117–48130, 07117–48140

26. WARM UP ENGINE

27. INSPECT LEAKAGE OF REFRIGERANT

28. INSTALL RADIATOR GRILLE (See page 76–3)