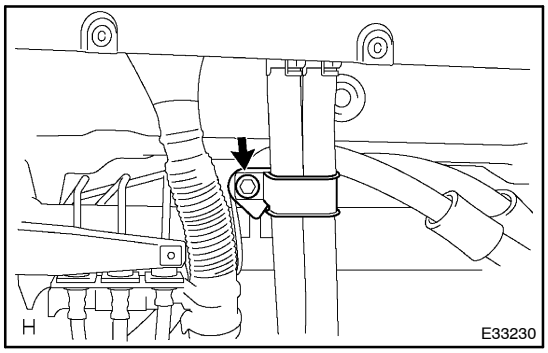
550WJ–01

OVERHAUL

HINT:

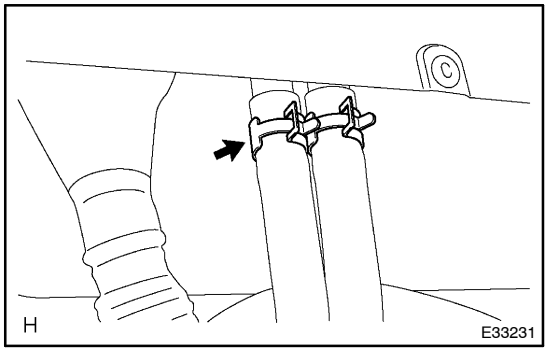
The installation is in the reverse order of the removal. However, when there is a special point concerning the installation, it is indicated.

1. **DRAIN COOLANT**
2. **REMOVE RADIATOR GRILLE (See page 76–3)**
3. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM (See page 55–14)**
   SST 07110–58060 (07117–58080, 07117–58090, 07117–78050, 07117–88060, 07117–88070, 07117–88080)
4. **DISCONNECT COOLER REFRIGERANT SUCTION HOSE NO.1 (See page 55–28)**
5. **DISCONNECT LIQUID A HOSE (See page 55–28)**



6. **DISCONNECT HEATER WATER INLET HOSE**

(a) Remove the bolt and heater water bracket.

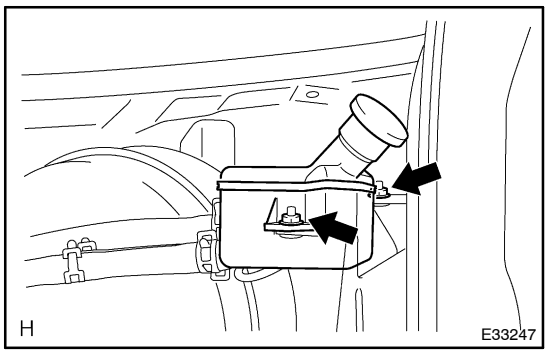


(b) Slide the clip and disconnect the heater water inlet hose.

7. **DISCONNECT HEATER WATER OUTLET HOSE**

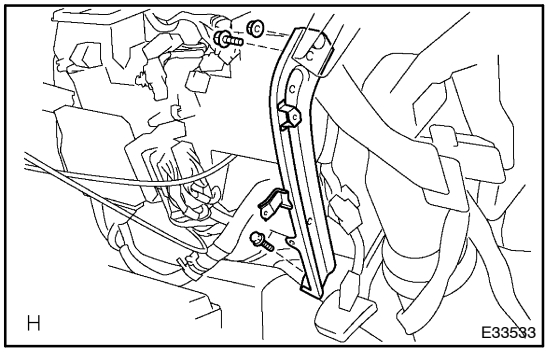
(a) Slide the clip and disconnect the heater water outlet hose.

8. **REMOVE STEERING COLUMN ASSY (See page 50–8)**
9. **REMOVE INSTRUMENT PANEL SUB–ASSY (See page 71–11 or 71–17)**



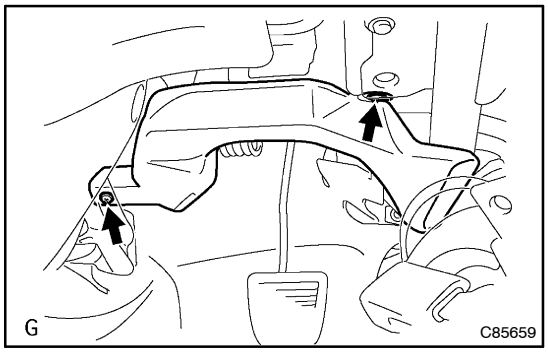
10. **REMOVE BRAKE MASTER CYLINDER RESERVOIR SUB–ASSY**

(a) Remove the 2 nuts and disconnect bracket master cylinder reservoir.



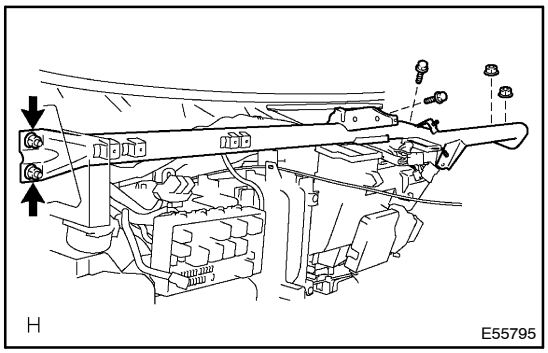
11. REMOVE INSTRUMENT PANEL BRACE SUB–ASSY NO.1

(a) Remove the 2 bolts, nut and instrument panel brace.



12. REMOVE AIR DUCT NO.1

(a) Remove the 2 clips and air duct.

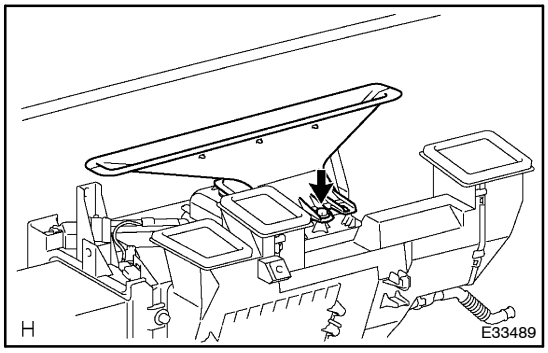


13. REMOVE INSTRUMENT PANEL REINFORCEMENT

(a) Remove the 2 bolts, 4 nuts and instrument panel reinforcement.

14. REMOVE WINDSHIELD WASHER JAR ASSY (See page 55–28)

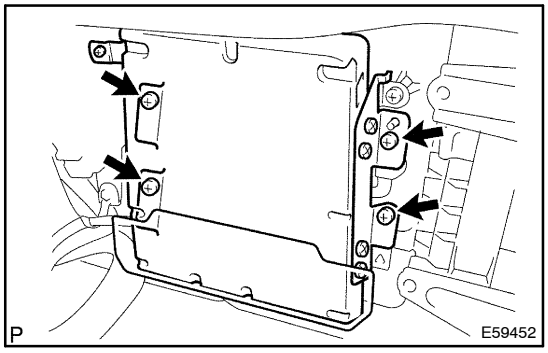
15. REMOVE COOLER UNIT ASSY (See page 55–28)



16. REMOVE DEFROSTER NOZZLE ASSY LWR

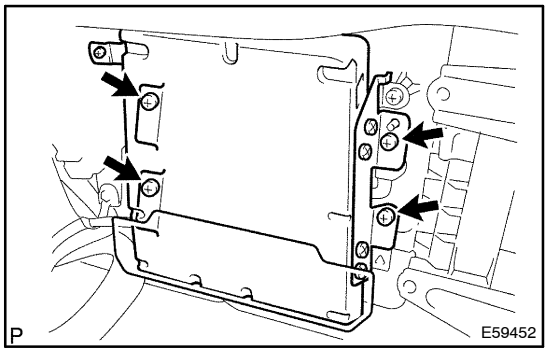
(a) Remove the screw and defroster nozzle.

17. REMOVE AIRCONDITIONER AMPLIFIER SUB–ASSY (See page 55–58)



18. REMOVE ECM

(a) Remove the 4 screws and ECM.

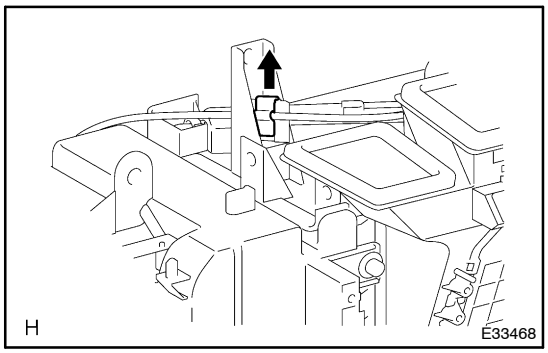


19. REMOVE SKID CONTROL ECU ASSY

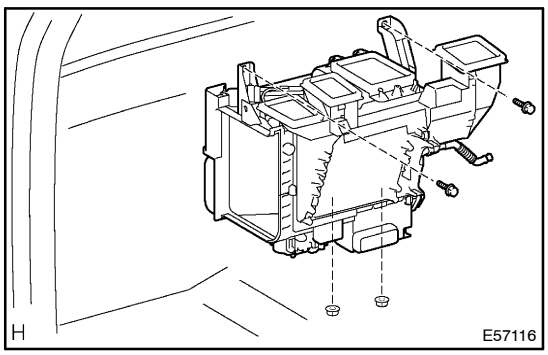
(a) Remove the 4 screws and skid control ECU.

20. REMOVE HEATER RADIATOR ASSY

(a) Release the 2 claws and disconnect the connector.



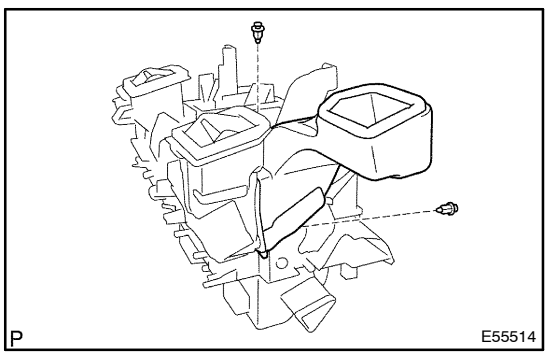
(b) Disconnect the outer cable from the clamp.



(c) Wide Body Type:
Remove the screw and

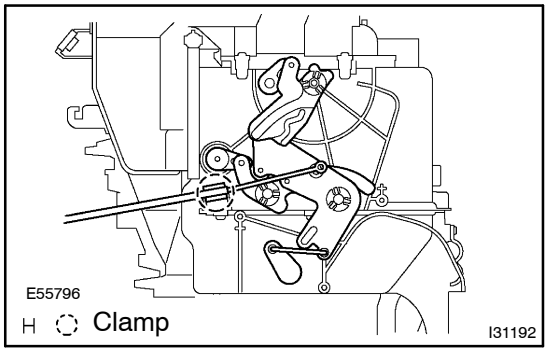
(d) Remove the 2 bolts, 2 nuts and heater radiator.

(e) Wide Body Type:
Remove the heater duct sub–assy.



21. REMOVE HEATER TO REGISTER DUCT NO.2

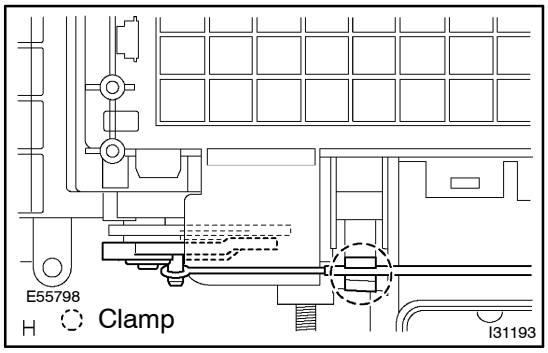
(a) Remove the 2 clips and duct.



22. SEPARATE HEATER CONTROL CABLE SUB–ASSY

(a) Disconnect the outer cable from the clamp.

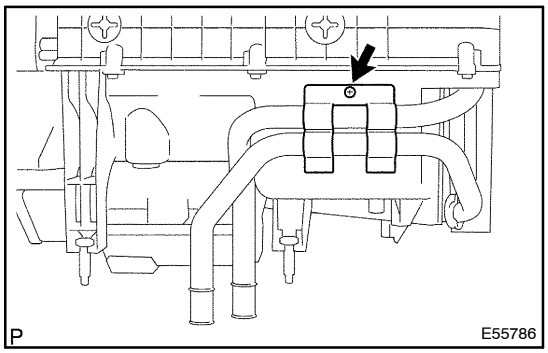
(b) Remove the inner cable.



23. REMOVE AIRMIX DAMPER CONTROL CABLE SUB–ASSY

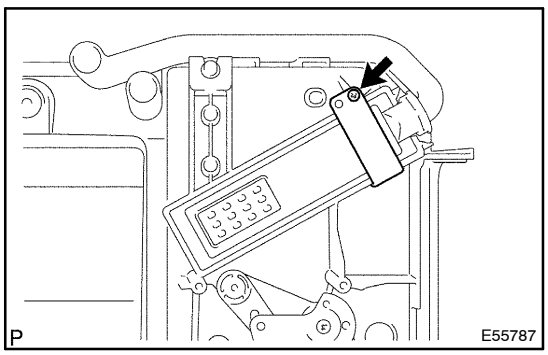
(a) Disconnect the outer cable from the clamp.

(b) Remove the inner cable.



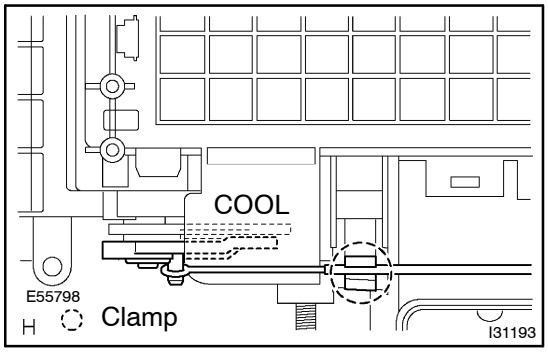
24. REMOVE HEATER RADIATOR UNIT SUB–ASSY

(a) Remove the screw and bracket.



(b) Remove the screw, bracket and heater radiator unit.

25. INSTALL HEATER RADIATOR UNIT SUB–ASSY



26. INSTALL AIRMIX DAMPER CONTROL CABLE SUB–ASSY

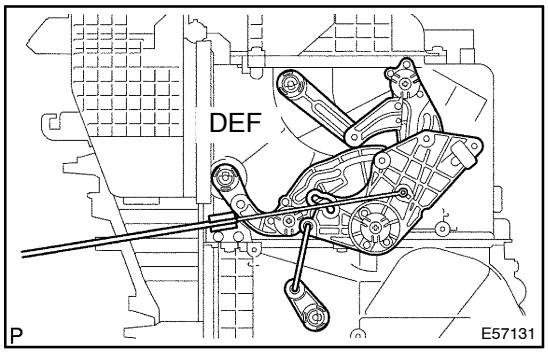
(a) Connect the heater control cable to the heater control assy, keep the condition of MAX COOL remaining.

(b) Install the inner cable to the control lever in MAX COOL position.

(c) Install the outer cable to the clamp while slightly pulling it to the direction shown by arrow in the illustration.

NOTICE:

When operating the mode control lever, check that the restraint exists at both ends of MAX COOL and MAX HOT, and no repulsion occurs.



27. INSTALL HEATER CONTROL CABLE SUB–ASSY

(a) Connect the heater control cable to the heater control assy, keep the condition of DEF remaining.

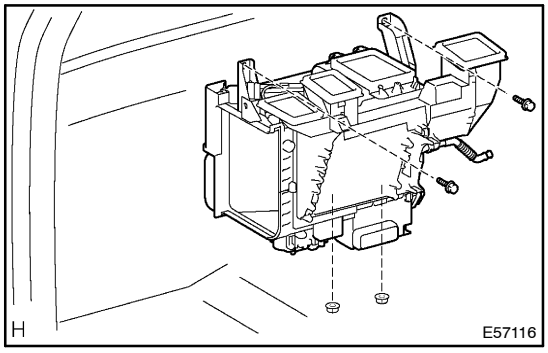
(b) Install the inner cable to the control lever in DEF position.

(c) Install the outer cable to the clamp while slightly pulling it to the direction shown by arrow in the illustration.

NOTICE:

When operating the mode control lever, check that the restraint exists at both ends of FACE and DEF, and no repulsion occurs.

28. INSTALL HEATER TO REGISTER DUCT NO.2



29. INSTALL HEATER RADIATOR ASSY

(a) Install the heater radiator with the 2 bolts and 2 nuts.

HINT:

Tighten in the following order.

30. INSTALL SKID CONTROL ECU ASSY

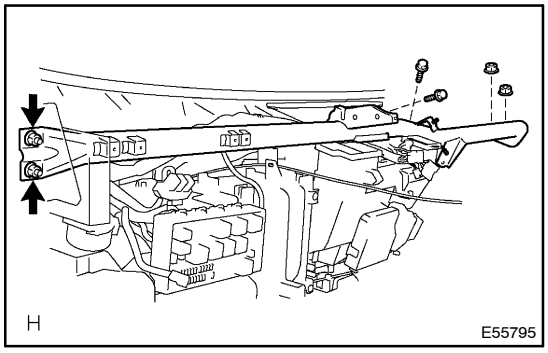
31. INSTALL ECM

32. INSTALL AIRCONDITIONER AMPLIFIER SUB–ASSY (See page 55–58)

33. INSTALL DEFROSTER NOZZLE ASSY LWR

34. INSTALL COOLER UNIT ASSY (See page 55–28)

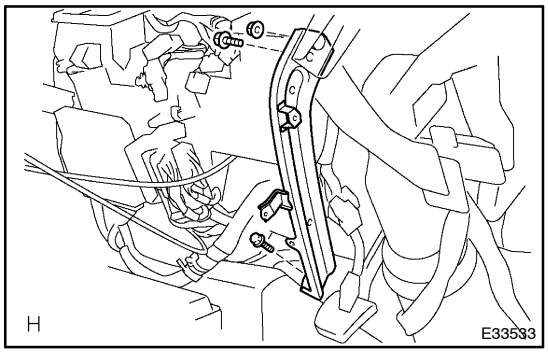
35. INSTALL WINDSHIELD WASHER JAR ASSY (See page 55–28)



36. INSTALL INSTRUMENT PANEL REINFORCEMENT

(a) Install the instrument panel reinforcement with the 2 bolts and 4 nuts.

37. INSTALL AIR DUCT NO.1



38. INSTALL INSTRUMENT PANEL BRACE SUB–ASSY NO.1

(a) Install the instrument panel brace with the 2 bolts and nut.

39. INSTALL BRAKE MASTER CYLINDER RESERVOIR SUB–ASSY

40. INSTALL HEATER WATER OUTLET HOSE

41. INSTALL HEATER WATER INLET HOSE

42. INSTALL INSTRUMENT PANEL SUB–ASSY (See page 71–11 or 71–17)

43. INSTALL STEERING COLUMN ASSY (See page 50–8)

44. INSTALL LIQUID A HOSE (See page 55–28)

45. INSTALL COOLER REFRIGERANT SUCTION HOSE NO.1 (See page 55–28)

46. ADD COOLANT (See page 16–3 or 16–23 or 16–38 or 16–53 or 16–68 or 16–83)

47. CHECK FOR ENGINE COOLANT LEAKS (See page 16–1 or 16–21 or 16–36 or 16–52 or 16–66 or 16–81)

48. WARM UP ENGINE

49. 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)

50. INSPECT LEAKAGE OF REFRIGERANT