550D2–01

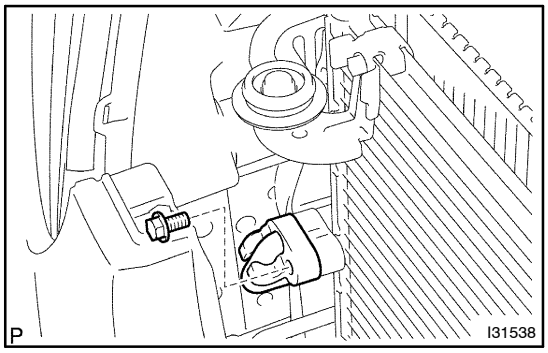
OVERHAUL

HINT:

COMPONENTS: See page 55–67

1. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM (See page 55–8)

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



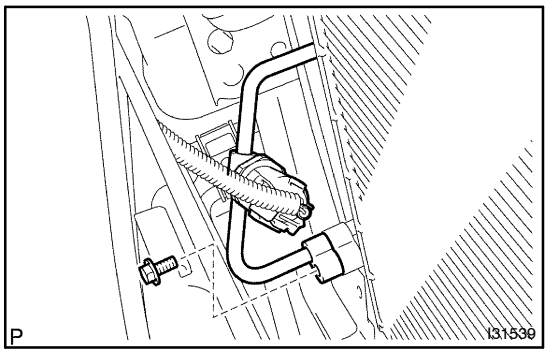
2. REMOVE COOLER REFRIGERANT DISCHARGE HOSE NO.1

(a) Remove the bolt and disconnect the cooler refrigerant discharge hose No. 1 from the cooler condenser assy.

(b) Remove the O–ring from the cooler refrigerant discharge hose No. 1.

NOTICE:

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



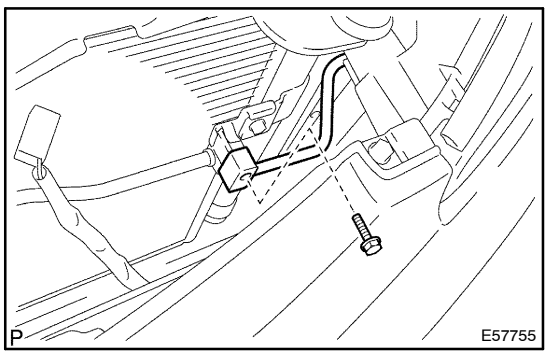
3. DISCONNECT COOLER REFRIGERANT LIQUID PIPE A(LHD STEERING POSITION TYPE)

(a) Remove the bolt and disconnect the cooler refrigerant liquid pipe A from the cooler condenser assy.

(b) Remove the O–ring from the cooler refrigerant liquid pipe A.

NOTICE:

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



4. DISCONNECT COOLER REFRIGERANT LIQUID PIPE A(RHD STEERING POSITION TYPE)

(a) Remove the bolt and disconnect the cooler refrigerant liquid pipe A from the cooler condenser assy.

(b) Remove the O–ring from the cooler refrigerant liquid pipe A.

NOTICE:

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

5. REMOVE AIR CLEANER INLET ASSY

1MZ–FE: (See page 16–36)

1AZ–FE: (See page 16–11)

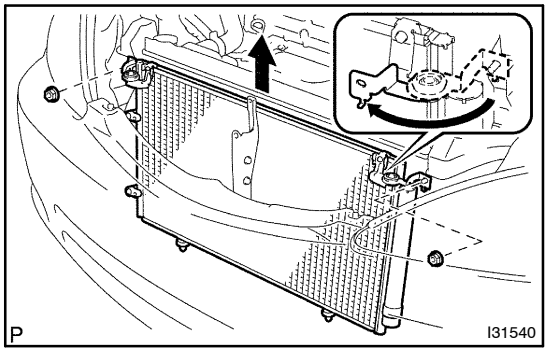
2AZ–FE: (See page 16–23)

6. REMOVE RADIATOR SUPPORT UPPER

1MZ–FE: (See page 16–36)

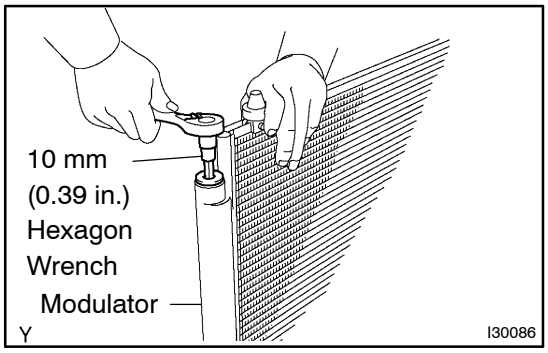
1AZ–FE: (See page 16–11)

2AZ–FE: (See page 16–23)



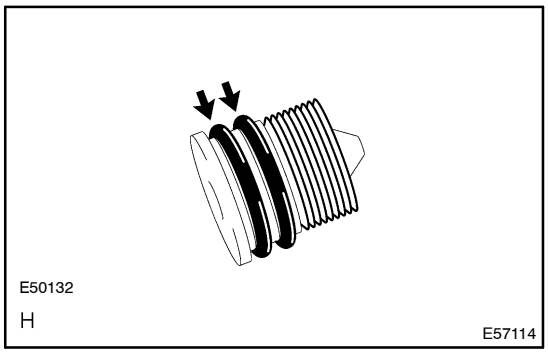
7. REMOVE COOLER CONDENSER ASSY

(a) Remove the 2 nuts and cooler condenser assy.

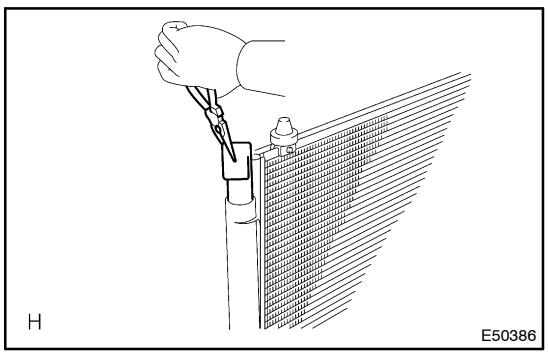


8. REMOVE COOLER DRYER

(a) Using hexagon wrench 10 mm (0.39 in.), remove the cap and filter from the modulator.



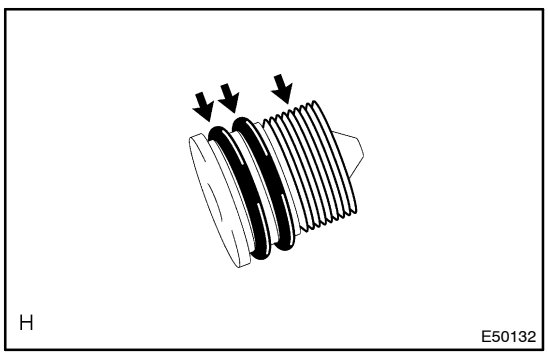
(b) Remove the 2 O–rings from the cap.



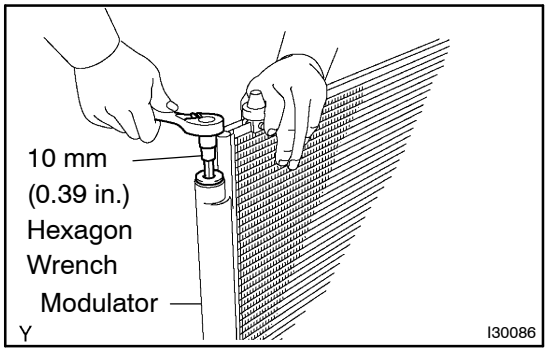
(c) Using a needle nose pliers, remove the cooler dryer.

9. INSTALL COOLER DRYER

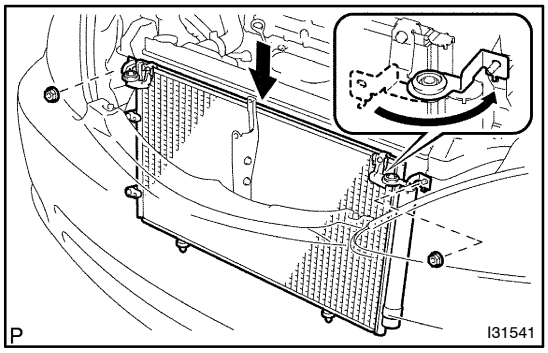
(a) Using a needle nose pliers, install the cooler dryer.



(b) Install 2 new O–rings to the cap.
(c) Sufficiently apply compressor oil to the fit surfaces of the O–ring and the cap.
Compressor oil: ND–OIL 8 or equivalent



(d) Using hexagon wrench 10 mm (0.39 in.), install the cap to the cooler condenser assy.
Torque: 12 N·m (125 kgf·cm, 9 ft·lbf)



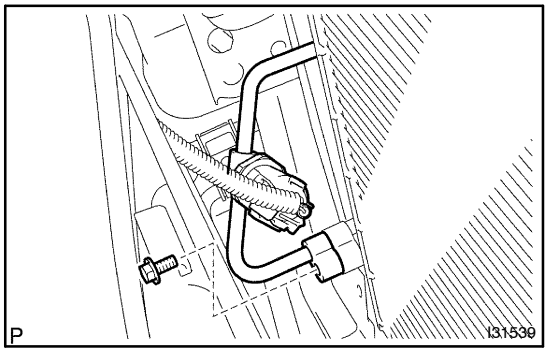
10. INSTALL COOLER CONDENSER ASSY

(a) Install the cooler condenser assy with the 2 nuts.
Torque: 9.8 N·m (100 kgf·cm, 85 in.·lbf)

11. INSTALL RADIATOR SUPPORT UPPER
1MZ–FE: (See page 16–36)
1AZ–FE: (See page 16–11)
2AZ–FE: (See page 16–23)

12. INSTALL COOLER REFRIGERANT LIQUID PIPE A(LHD STEERING POSITION TYPE)

(a) Remove the attached vinyl tape from the tube and connecting part of the cooler condenser assy.
(b) Sufficiently apply compressor oil to the new O–ring and tube joint.
Compressor oil: ND–OIL 8 or equivalent
(c) Install a O–ring to the cooler refrigerant liquid pipe A.



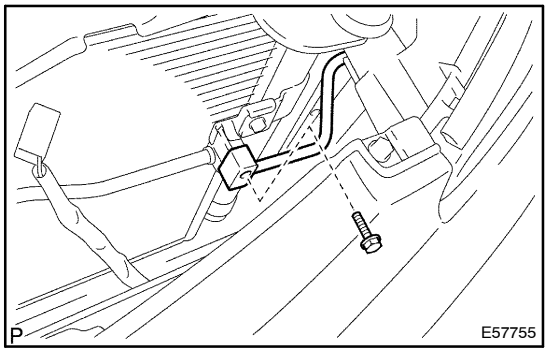
(d) Connect the cooler refrigerant liquid pipe A to the cooler condenser assy with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

13. INSTALL COOLER REFRIGERANT LIQUID PIPE A(RHD STEERING POSITION TYPE)

(a) Remove the attached vinyl tape from the tube and connecting part of the cooler condenser assy.

(b) Sufficiently apply compressor oil to the new O–ring and tube joint.
Compressor oil: ND–OIL 8 or equivalent

(c) Install a O–ring to the cooler refrigerant liquid pipe A.



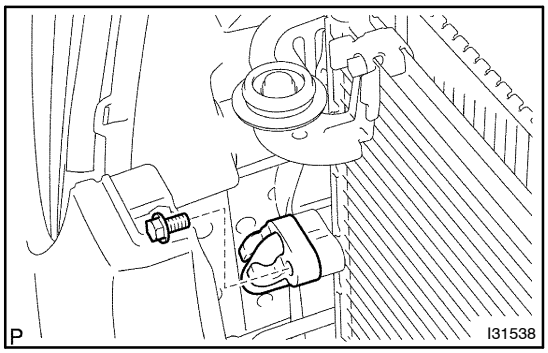
(d) Connect the cooler refrigerant liquid pipe A to the cooler condenser assy with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

14. INSTALL COOLER REFRIGERANT DISCHARGE HOSE NO.1

(a) Remove the attached vinyl tape from the tube and connecting part of the cooler condenser assy.

(b) Sufficiently apply compressor oil to the new O–ring and tube joint.
Compressor oil: ND–OIL 8 or equivalent

(c) Install a O–ring to the cooler refrigerant discharge hose No. 1.



(d) Connect the cooler refrigerant discharge hose No. 1 to the cooler condenser assy with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

15. CHARGE REFRIGERANT (See page 55–8)
SST 07110–58060 (07117–58060, 07117–58070, 07117–58080, 07117–58090, 07117–78050, 07117–88060, 07117–88070, 07117–88080)
Specified amount:
LHD: 550 ± 50 g (19.37 ± 1.76 oz.)
RHD: 580 ± 50 g (21.86 ± 1.76 oz.)

16. WARM UP ENGINE

17. INSPECT LEAKAGE OF REFRIGERANT (See page 55–8)