ON-VEHICLE INSPECTION

1. INSPECT COOLER CONDENSER CORE

(a) If the fin of the cooler condenser core is dirty, clean it with water and dry it with compressed air.
NOTICE:
Do not damage the fin of the cooler condenser core.

(b) If the fin of the cooler condenser core is bent, make it straight using a screwdriver or pliers.

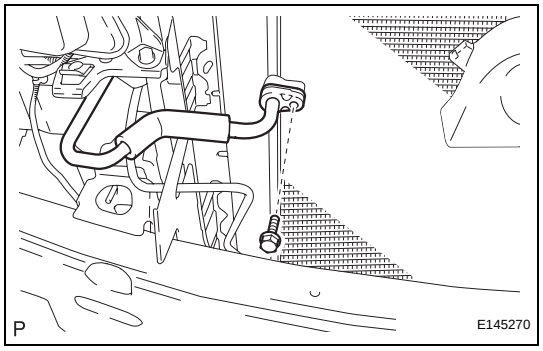
2. INSPECT CONDENSER FOR LEAKAGE OF REFRIGERANT

(a) Using a halogen leak detector, check the pipe joints for gas leakage.

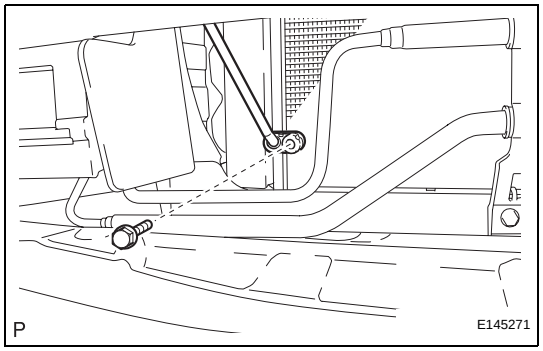
(b) If gas leakage is detected in a joint, check the torque of the joint.

REMOVAL

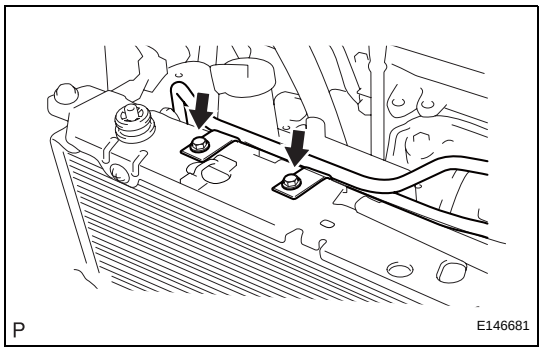
1. **RECOVER REFRIGERANT FROM REFRIGERATION SYSTEM (See page AC-172)**
2. **REMOVE NO. 2 AIR CLEANER INLET (See page EM-28)**
3. **REMOVE FRONT BUMPER ASSEMBLY (See page ET-3)**
4. **DISCONNECT DISCHARGE HOSE SUB-ASSEMBLY**
   (a) Remove the bolt and disconnect the discharge hose sub-assembly from the cooler condenser core.
   (b) Remove the O-ring from the discharge hose sub-assembly.
   NOTICE:
   Seal the openings of the disconnected parts using vinyl tape to prevent entry of moisture and foreign matter.



5. **DISCONNECT COOLER REFRIGERANT LIQUID PIPE A**
   (a) Remove the bolt and disconnect the cooler refrigerant liquid pipe A from the cooler condenser core.
   (b) Remove the O-ring from the cooler refrigerant liquid pipe A.
   NOTICE:
   Seal the openings of the disconnected parts using vinyl tape to prevent entry of moisture and foreign matter.



6. **REMOVE NO. 1 AIR CLEANER INLET (See page EM-28)**
7. **REMOVE HOOD LOCK RELEASE LEVER PROTECTOR (See page CO-29)**
8. **REMOVE HOOD LOCK ASSEMBLY (See page CO-29)**
9. **REMOVE HOOD LOCK SUPPORT SUB-ASSEMBLY (See page CO-29)**
10. **DISCONNECT COOLING FAN ECU CONNECTOR (See page CO-30)**
11. **REMOVE UPPER RADIATOR SUPPORT SUB-ASSEMBLY (See page CO-30)**

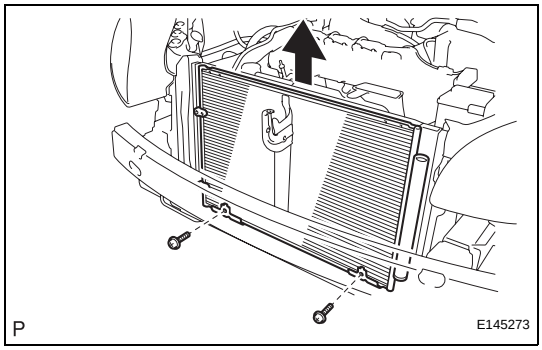


12. DISCONNECT NO. 2 OIL COOLER OUTLET TUBE SUB-ASSEMBLY

(a) Remove the 2 bolts and No. 2 oil cooler outlet tube sub-assembly.

13. REMOVE RADIATOR SUPPORT CUSHION (See page CO-32)

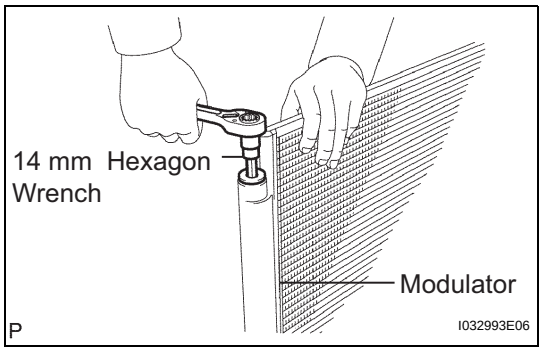
14. REMOVE NO. 1 RADIATOR SUPPORT (See page CO-32)



15. REMOVE COOLER CONDENSER CORE

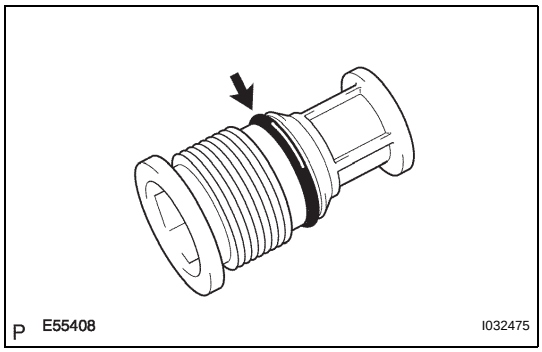
(a) Remove the 2 screws and cooler condenser core.

DISASSEMBLY

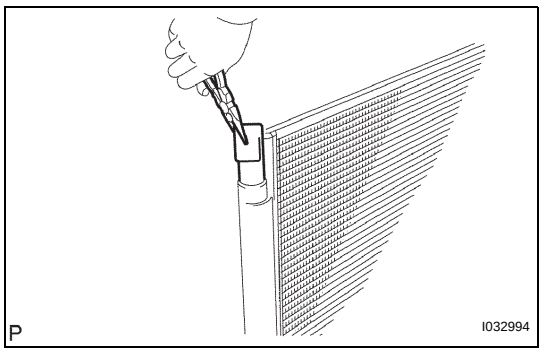


1. REMOVE COOLER DRYER

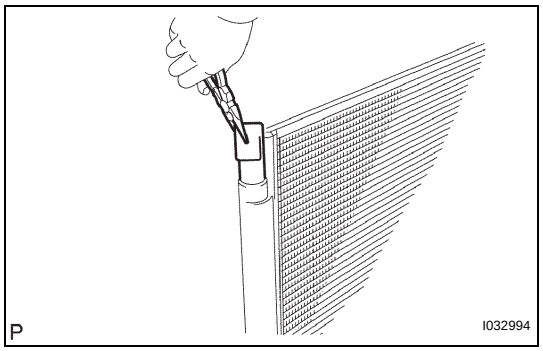
(a) Using a hexagon wrench 14 mm (0.55 in.), remove the cap from the modulator.



(b) Remove the O-ring from the cap.



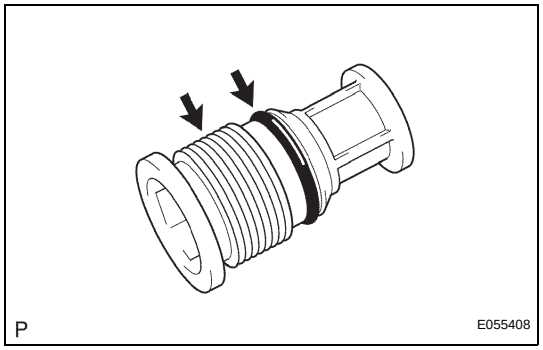
(c) Using needle nose pliers, remove the cooler dryer.



REASSEMBLY

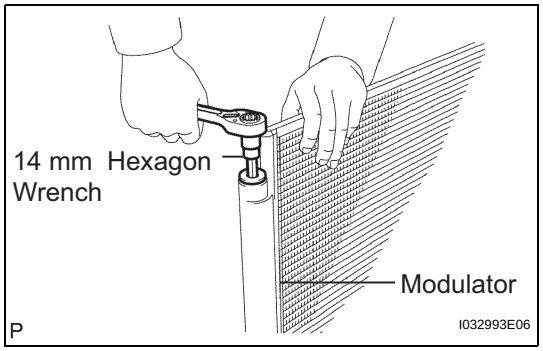
1. INSTALL COOLER DRYER

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

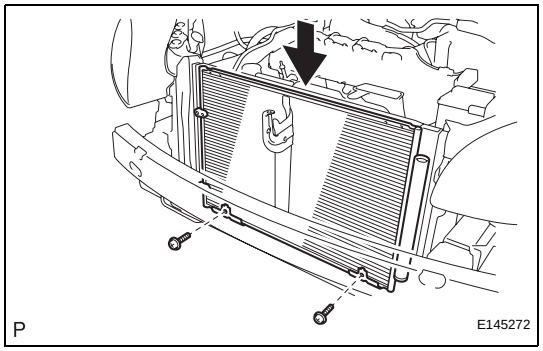


(b) Install a new O-ring on the cap.

(c) Sufficiently apply compressor oil to the fitting surfaces of the O-ring and the cap.
Compressor oil:
ND-OIL 8 or equivalent



(d) Using a hexagon wrench 14 mm (0.55 in.), install the cap to the cooler condenser assembly.
Torque: 2.9 N*m (30 kgf*cm, 25 in.*lbf)



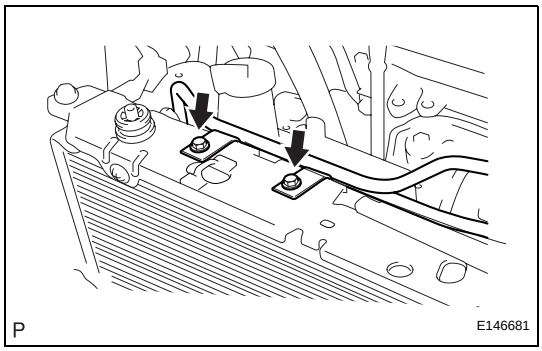
INSTALLATION

1. INSTALL COOLER CONDENSER CORE

(a) Install the cooler condenser core with the 2 screws.
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)
HINT:
If the condenser is replaced with a new one, add compressor oil to the new condenser.
Capacity:
40 cc (1.4 fl.oz.)
Compressor oil:
ND-OIL 8 or equivalent

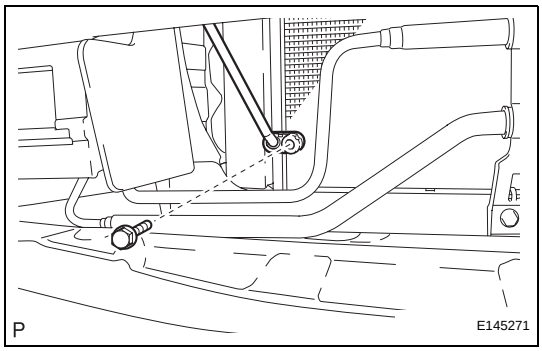
2. INSTALL NO. 1 RADIATOR SUPPORT (See page CO-40)

3. INSTALL RADIATOR SUPPORT CUSHION (See page CO-41)

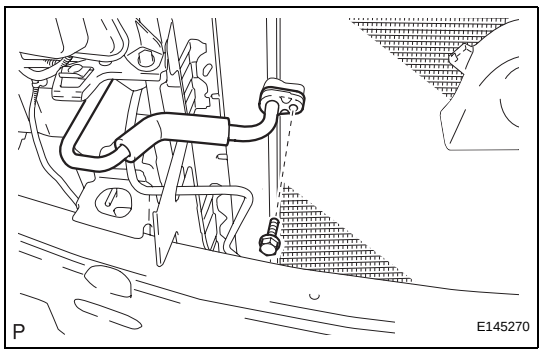


AC

4. **CONNECT NO. 2 OIL COOLER OUTLET TUBE SUB-ASSEMBLY**
   (a) Install the No. 2 oil cooler outlet tube sub-assembly with the 2 bolts.
   Torque: 6.0 N*m (61 kgf*cm, 53 in.*lbf)
5. **INSTALL UPPER RADIATOR SUPPORT SUB-ASSEMBLY (See page CO-42)**
6. **CONNECT COOLING FAN ECU (See page CO-42)**
7. **INSTALL HOOD LOCK SUPPORT SUB-ASSEMBLY (See page CO-43)**
8. **INSTALL HOOD LOCK ASSEMBLY (See page CO-43)**
9. **INSTALL HOOD LOCK RELEASE LEVER PROTECTOR (See page CO-44)**
10. **INSTALL NO. 1 AIR CLEANER INLET (See page EM-59)**
11. **INSTALL COOLER REFRIGERANT LIQUID PIPE A**
    (a) Remove the attached vinyl tape from the pipe and the connecting part of the cooler condenser core.
    (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the pipe joint.
    Compressor oil:
    ND-OIL 8 or equivalent
    (c) Install the O-ring on the cooler refrigerant liquid pipe A.
    (d) Install the cooler refrigerant liquid pipe A on the cooler condenser core with the bolt.
    Torque: 5.4 N*m (55 kgf*cm, 47 in.*lbf)



12. **INSTALL DISCHARGE HOSE SUB-ASSEMBLY**
    (a) Remove the attached vinyl tape from the tube and the connecting part of the cooler condenser core.
    (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the hose joint.
    Compressor oil:
    ND-OIL 8 or equivalent
    (c) Install the O-ring on the discharge hose sub-assembly.
    (d) Install the discharge hose sub-assembly on the cooler condenser core with the bolt.
    Torque: 5.4 N*m (55 kgf*cm, 47 in.*lbf)



13. **INSTALL FRONT BUMPER ASSEMBLY (See page ET-9)**
14. **INSTALL NO. 2 AIR CLEANER INLET (See page EM-60)**
15. **CHARGE WITH REFRIGERANT (See page AC-173)**
16. **WARM UP ENGINE**
17. **INSPECT FOR REFRIGERANT LEAK (See page AC-173)**

18. **VEHICLE PREPARATION FOR FOG LIGHT AIMING (w/ Fog Light) (See page LI-82)**
19. **PREPARATION FOR FOG LIGHT AIMING (w/ Fog Light) (See page LI-83)**
20. **FOG LIGHT AIMING INSPECTION (w/ Fog Light) (See page LI-84)**
21. **FOG LIGHT AIMING ADJUSTMENT (w/ Fog Light) (See page LI-85)**