

ON-VEHICLE INSPECTION

1. INSPECT COOLER CONDENSER ASSEMBLY

- (a) If the fins of the cooler condenser are dirty, clean them with water. Dry the fins with compressed air.

NOTICE:

Do not damage the fins of the condenser.

- (b) If a fin of the cooler condenser is bent, straighten it using a screwdriver or pliers.

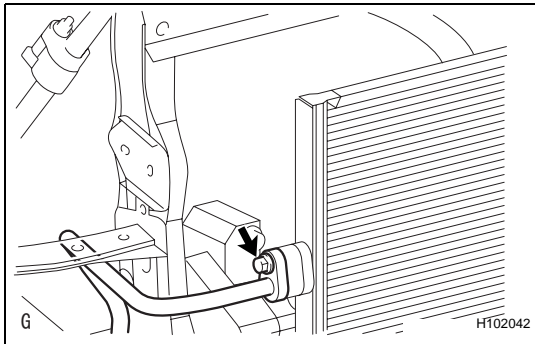
2. CHECK CONDENSER FOR LEAKAGE OF REFRIGERANT

- (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. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM** (See page [AC-172](#))
2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

3. **REMOVE FRONT BUMPER COVER**
(a) Remove front bumper cover (see page [ET-4](#)).



4. **DISCONNECT NO. 1 COOLER REFRIGERANT DISCHARGE HOSE**
(a) Remove the bolt and disconnect the cooler refrigerant discharge hose from the cooler condenser.
(b) Remove the O-ring from the cooler refrigerant discharge hose.

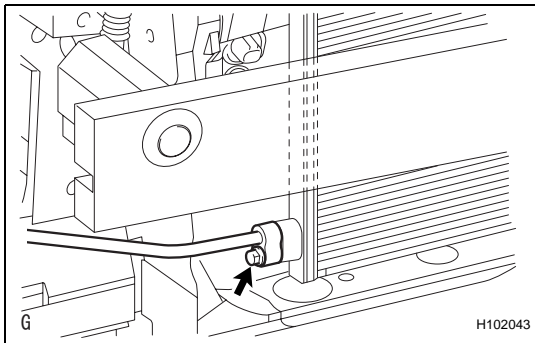
NOTICE:

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

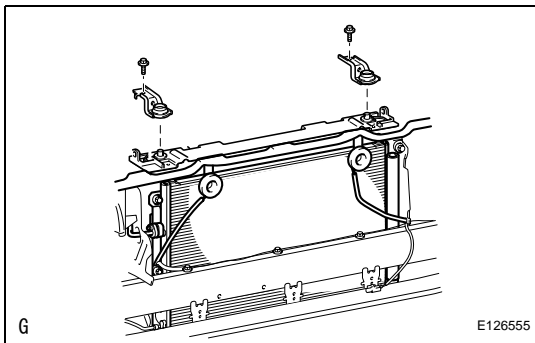
5. **DISCONNECT COOLER REFRIGERANT LIQUID PIPE**
(a) Remove the bolt and disconnect the cooler refrigerant liquid pipe from the cooler condenser.
(b) Remove the O-ring from the cooler refrigerant liquid pipe.

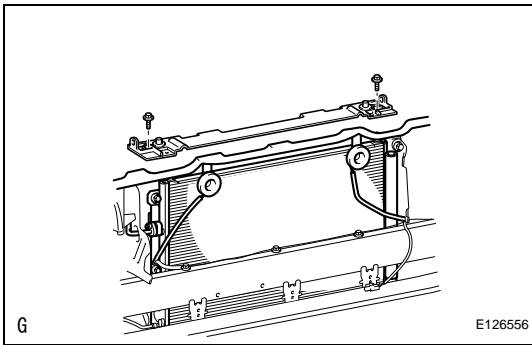
NOTICE:

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

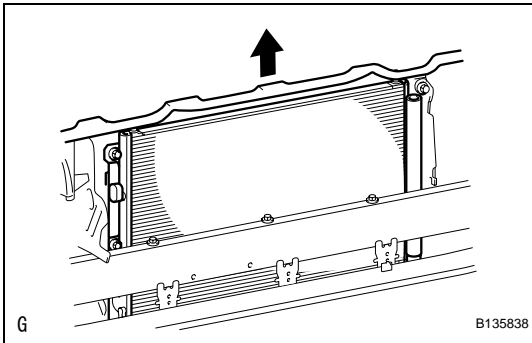


6. **REMOVE RADIATOR SUPPORT UPPER BRACKET**
(a) Remove the 2 bolts and 2 brackets.

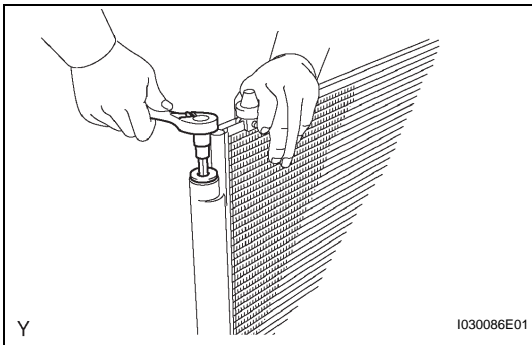




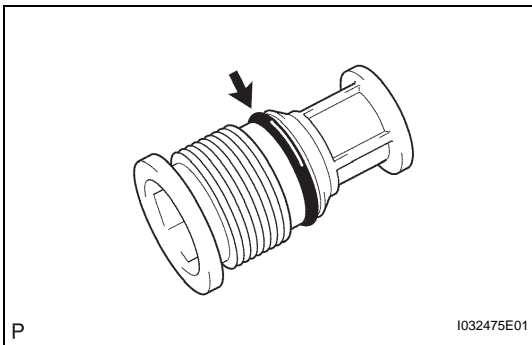
- 7. REMOVE NO. 2 FAN SHROUD**
 (a) Remove the 2 bolts and fan shroud.



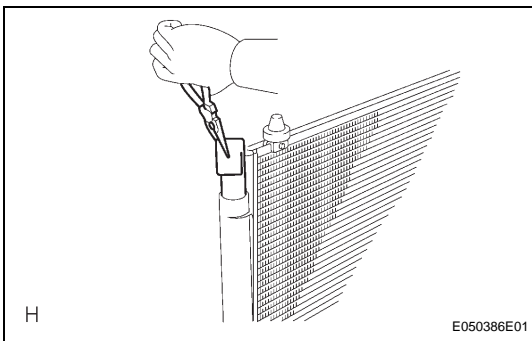
- 8. REMOVE COOLER CONDENSER ASSEMBLY**
 (a) Remove the cooler condenser.



- 9. REMOVE COOLER DRYER**
 (a) Using a 14 mm socket hexagon wrench, remove the cap from the modulator.

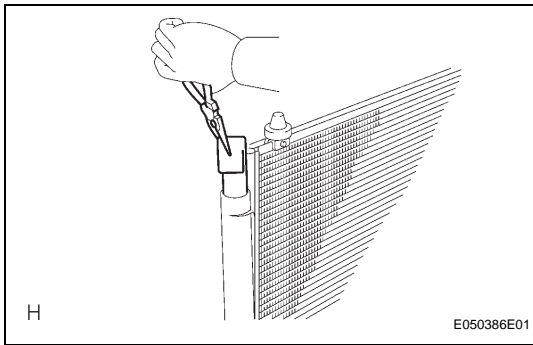


- (b) Remove the O-ring from the cap.



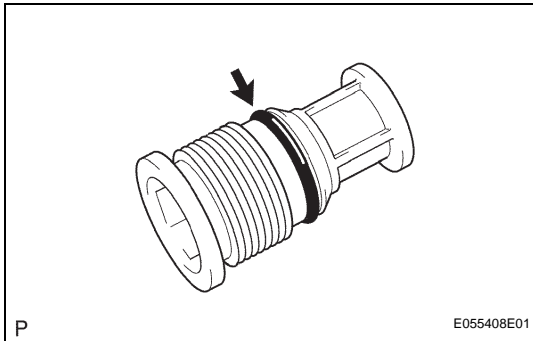
- (c) Using pliers, remove the cooler dryer.

INSTALLATION



1. INSTALL COOLER DRYER

- (a) Using pliers, install the cooler dryer.

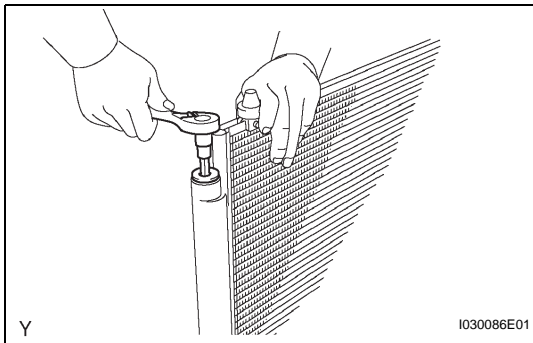


- (b) Apply a sufficient amount of compressor oil to the contact surfaces of a new O-ring and the cap.

Compressor oil:

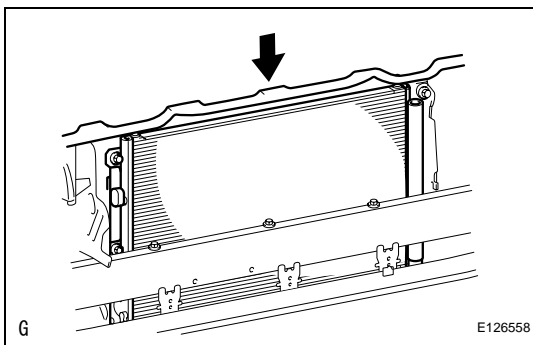
ND-OIL 8 or equivalent

- (c) Install the O-ring to the cap.



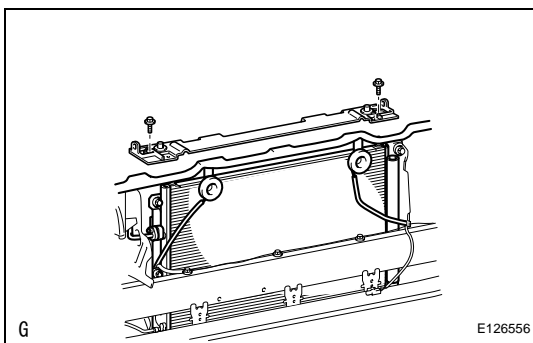
- (d) Using a 14 mm socket hexagon wrench, install the cap to the modulator.

Torque: 2.9 N*m (29 kgf*cm, 25 in.*lbf)



2. INSTALL COOLER CONDENSER ASSEMBLY

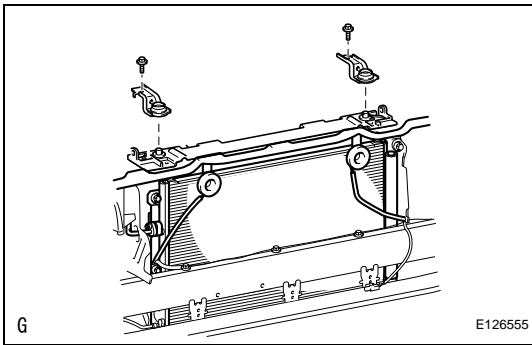
- (a) Install the cooler condenser.



3. INSTALL NO. 2 FAN SHROUD

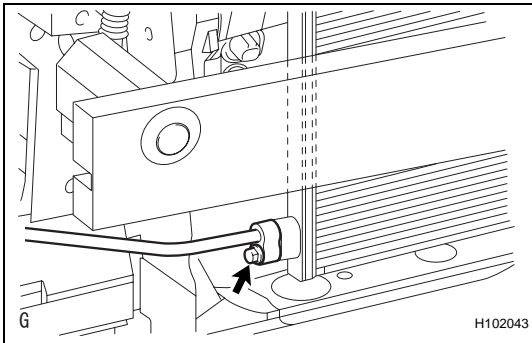
- (a) Install the fan shroud with the 2 bolts.

Torque: 10.5 N*m (107 kgf*cm, 8 ft.*lbf)



4. INSTALL RADIATOR SUPPORT UPPER BRACKET

- (a) Install the 2 brackets with the 2 bolts.
Torque: 45 N*m (459 kgf*cm, 33 ft.*lbf)



5. INSTALL COOLER REFRIGERANT LIQUID PIPE

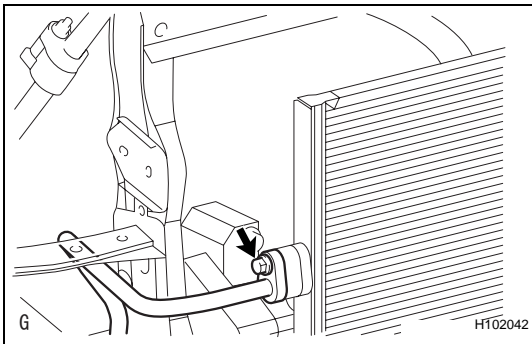
- (a) Remove the attached vinyl tape from the pipe and the connecting part of the cooler condenser.
 (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the pipe joint.

Compressor oil:

ND-OIL 8 or equivalent

- (c) Install the O-ring on the cooler refrigerant liquid pipe.
 (d) Install the cooler refrigerant liquid pipe on the cooler condenser with the bolt.

Torque: 9.8 N*m (100 kgf*cm, 7 ft.*lbf)



6. INSTALL NO. 1 COOLER REFRIGERANT DISCHARGE HOSE

- (a) Remove the attached vinyl tape from the hose and the connecting part of the cooler condenser.
 (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 cooler refrigerant discharge hose.
 (d) Install the cooler refrigerant discharge hose on the cooler condenser with the bolt.

Torque: 9.8 N*m (100 kgf*cm, 7 ft.*lbf)

7. ADJUST HOOD SUB-ASSEMBLY (See page [ED-5](#))

8. INSTALL FRONT BUMPER COVER

- (a) Install the front bumper cover (see page [ET-10](#)).

9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

10. CHARGE REFRIGERANT (See page [AC-172](#))

11. WARM UP ENGINE (See page [AC-173](#))

12. CHECK FOR LEAKAGE OF REFRIGERANT (See page [AC-173](#))