
ON-VEHICLE INSPECTION

1. INSPECT COOLER CONDENSER ASSEMBLY

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

NOTICE:

Do not damage the fins of the cooler condenser assembly.

- (b) If the fins of the cooler condenser assembly are bent, straighten them using a screwdriver or pliers.

2. CHECK CONDENSER FOR REFRIGERANT LEAKAGE

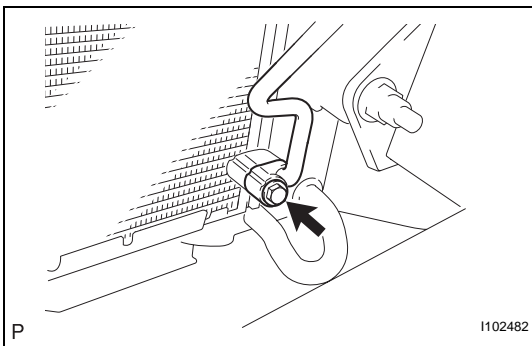
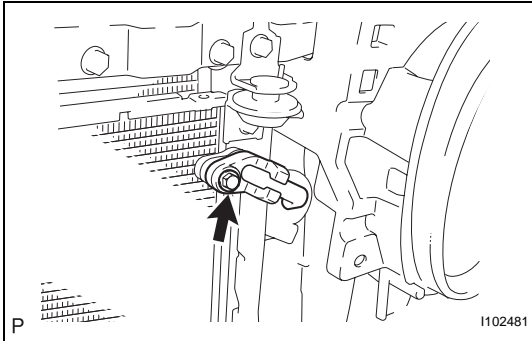
- (a) Check the pipe joints for gas leakage, using a halogen leak detector.
- (b) Check the tightening torque of the joints if gas leakage is detected from any pipe joints.

REMOVAL

1. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM (See page AC-16)
2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
3. REMOVE RADIATOR GRILLE (See page ET-4)
4. REMOVE FRONT BUMPER COVER (See page ET-4)
5. DISCONNECT DISCHARGE HOSE SUB-ASSEMBLY
 - (a) Remove the bolt and disconnect the discharge hose from the cooler condenser.
 - (b) Remove the O-ring from the discharge hose.

NOTICE:

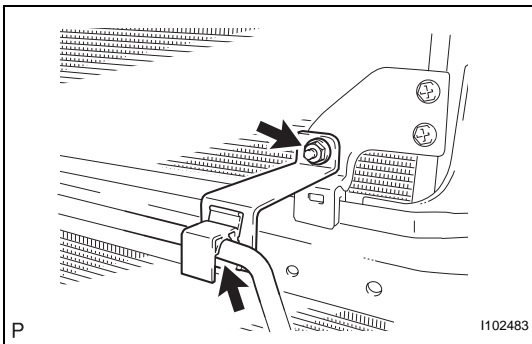
Seal the openings of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering.



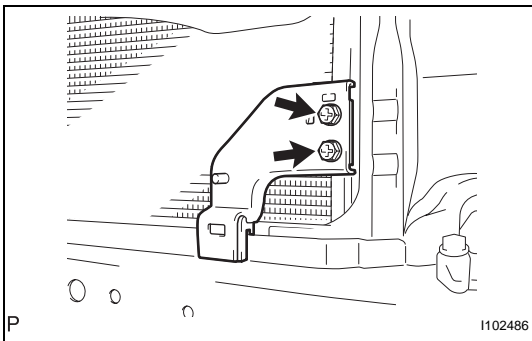
6. DISCONNECT AIR CONDITIONING TUBE ASSEMBLY
 - (a) Remove the bolt and disconnect the air conditioning tube from the cooler condenser.
 - (b) Remove the O-ring from the air conditioning tube.

NOTICE:

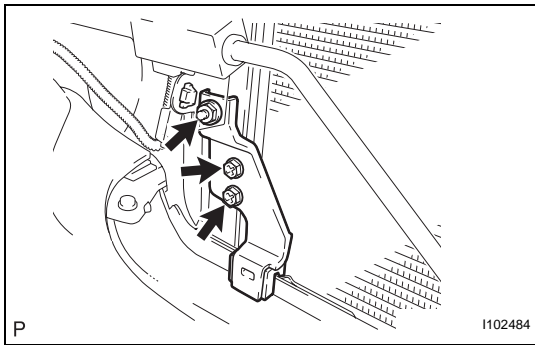
Seal the openings of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering.



7. REMOVE COOLER BRACKET
 - (a) Remove the nut.
 - (b) Disengage the clamp and remove the cooler bracket.

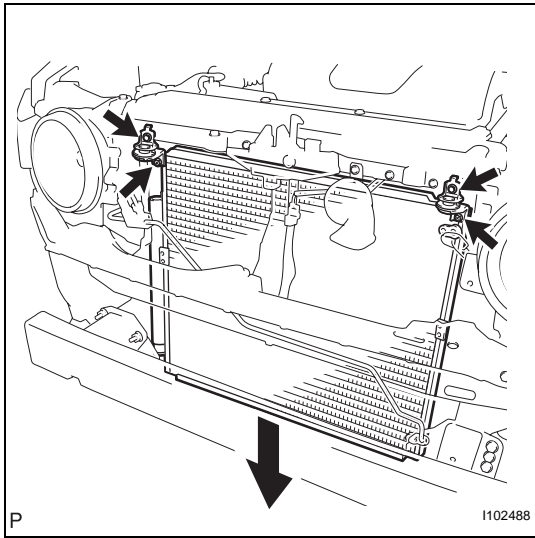


8. REMOVE NO. 2 COOLER CONDENSER CUSHION LH
 - (a) Remove the 2 bolts and remove the cooler condenser cushion.



9. REMOVE NO. 2 COOLER CONDENSER CUSHION RH

- (a) Remove the 2 bolts and nut and remove the cooler condenser cushion.



10. REMOVE COOLER CONDENSER ASSEMBLY

- (a) Remove the 4 bolts and remove the cooler condenser cushion.

NOTICE:

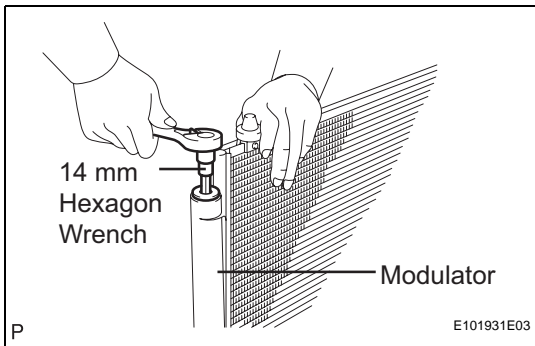
Hold the cooler condenser by hand to prevent it from falling off when removing the cushion.

- (b) Remove the condenser from the vehicle.

NOTICE:

Do not damage the condenser or radiator when removing the condenser.

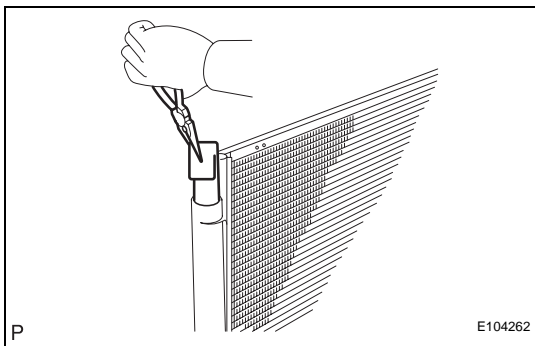
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DISASSEMBLY

1. REMOVE COOLER DRYER

- (a) Using a 14 mm straight hexagon wrench, remove the cap from the modulator.

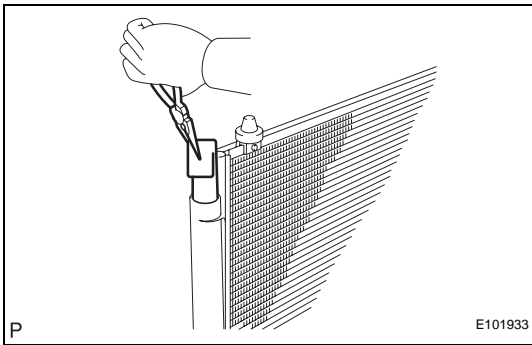


- (b) Using pliers, remove the cooler dryer.

REASSEMBLY

1. INSTALL COOLER DRYER

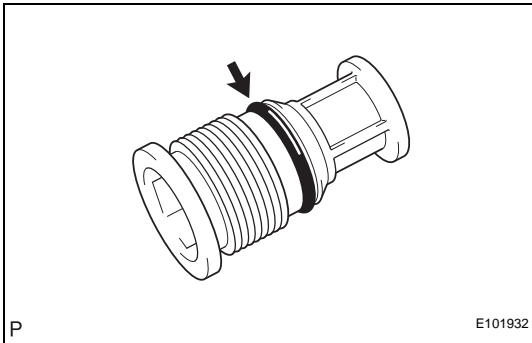
- (a) Using pliers, install the cooler dryer onto the modulator.



- (b) Apply sufficient compressor oil to the O-ring and the fitting surface of the cap.

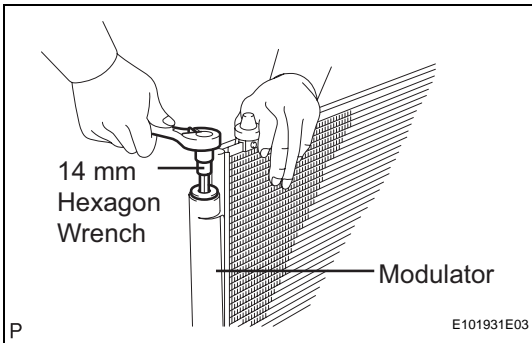
Compressor oil:

ND-OIL 8 or the equivalent



- (c) Using a 14 mm straight hexagon wrench, install the cap onto the modulator.

Torque: 2.9 N*m (30 kgf*cm, 25 in.*lbf)



INSTALLATION

1. INSTALL COOLER CONDENSER ASSEMBLY

- (a) Install the condenser into the vehicle.

NOTICE:

Do not damage the condenser or radiator when installing the condenser.

HINT:

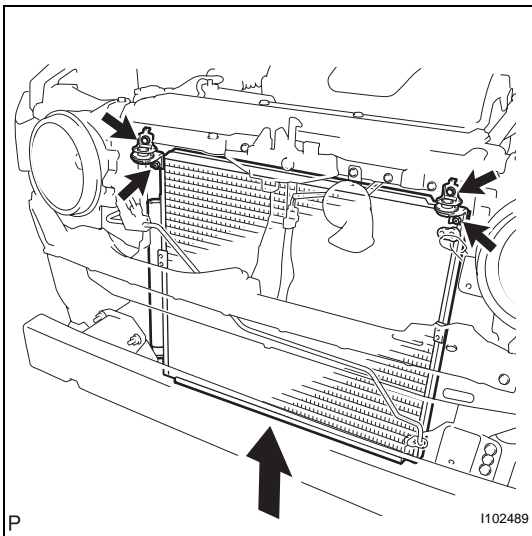
If a new condenser is installed, add compressor oil to the condenser as follows.

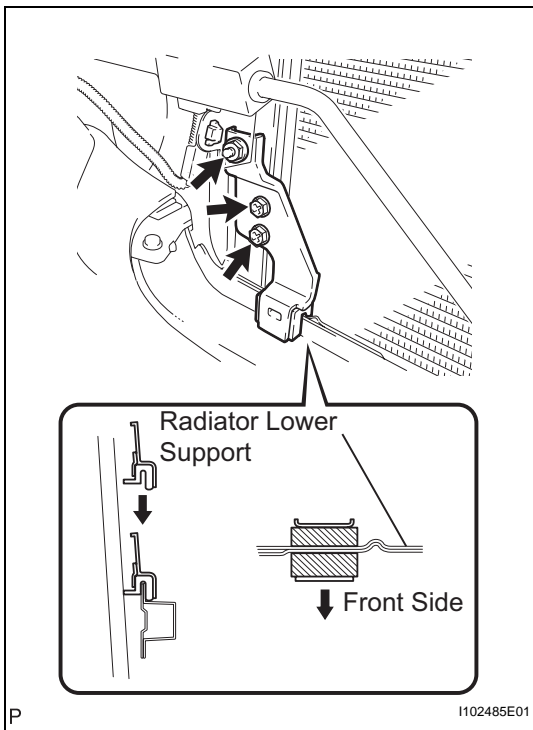
Compressor oil:

ND-OIL8 or the equivalent. Add 40 cc (1.35 fl. oz.)

- (b) Install the No.1 cooler condenser cushion with the 4 bolts.

Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)





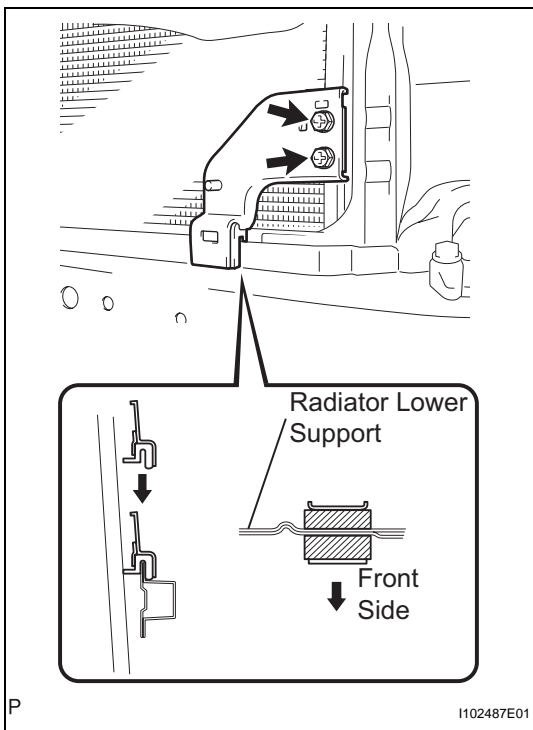
2. INSTALL NO. 2 COOLER CONDENSER CUSHION RH

- (a) Install the cooler condenser cushion with the 2 bolts and nut.

NOTICE:

Securely insert the cooler condenser cushion into the radiator lower support.

**Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf) for bolt
5.4 N*m (55 kgf*cm, 48 in.*lbf) for nut**



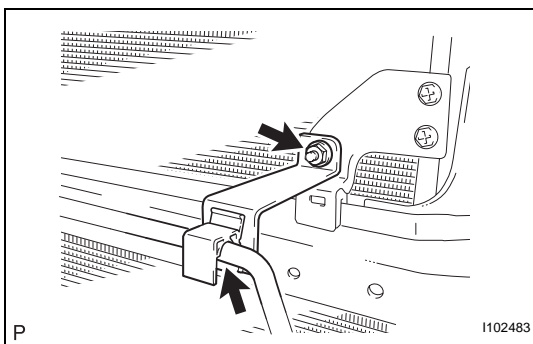
3. INSTALL NO. 2 COOLER CONDENSER CUSHION LH

- (a) Install the cooler condenser cushion with the 2 bolts.

NOTICE:

Securely insert the cooler condenser cushion into the radiator lower support.

Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)

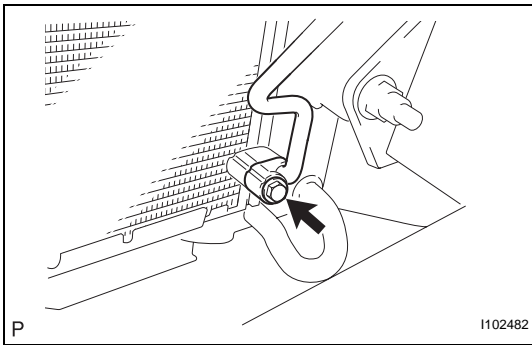


4. INSTALL COOLER BRACKET

- (a) Install the cooler bracket with the nut.

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

- (b) Engage the clamp.



5. INSTALL AIR CONDITIONING TUBE ASSEMBLY

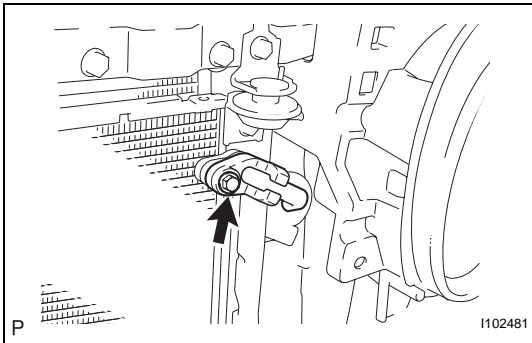
- (a) Remove the attached vinyl tape from the pipe and the connecting part of the cooler condenser.
- (b) Apply sufficient compressor oil to a new O-ring and the fitting surface of the pipe joint.

Compressor oil:

ND-OIL8 or the equivalent

- (c) Install the O-ring onto the air conditioning tube.
- (d) Install the tube onto the condenser with the bolt.

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)



6. INSTALL DISCHARGE HOSE SUB-ASSEMBLY

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

Compressor oil:

ND-OIL8 or the equivalent

- (c) Install the O-ring onto the discharge hose.
- (d) Install the discharge hose onto the condenser with the bolt.

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

7. INSTALL FRONT BUMPER COVER (See page [ET-10](#))

8. INSTALL RADIATOR GRILLE (See page [ET-11](#))

9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

10. CHARGE REFRIGERANT (See page [AC-16](#))

11. WARM UP ENGINE (See page [AC-18](#))

12. CHECK FOR REFRIGERANT LEAKAGE (See page [AC-18](#))