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.

**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-OIL 8 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\(\cdot\)m (56 kgf\(\cdot\)cm, 49 in.\(\cdot\)lbf) for bolt  
5.4 N\(\cdot\)m (55 kgf\(\cdot\)cm, 48 in.\(\cdot\)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\(\cdot\)m (56 kgf\(\cdot\)cm, 49 in.\(\cdot\)lbf)

4. **INSTALL COOLER BRACKET**  
(a) Install the cooler bracket with the nut.  
**Torque:** 5.4 N\(\cdot\)m (55 kgf\(\cdot\)cm, 48 in.\(\cdot\)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)