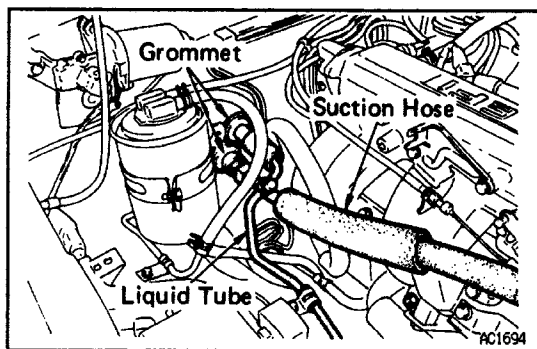




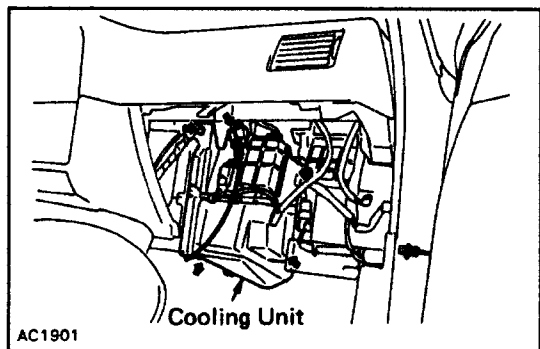
## COOLING UNIT

### COOLING UNIT REMOVAL

1. DISCONNECT NEGATIVE (-) TERMINAL CABLE FROM BATTERY
2. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM
3. DISCONNECT SUCTION TUBE AND LIQUID TUBE FROM COOLING UNIT OUTLET FITTING
4. DISCONNECT LIQUID TUBE FROM COOLING UNIT INLET FITTING

HINT: Cap the open fittings immediately to keep moisture out of the system.

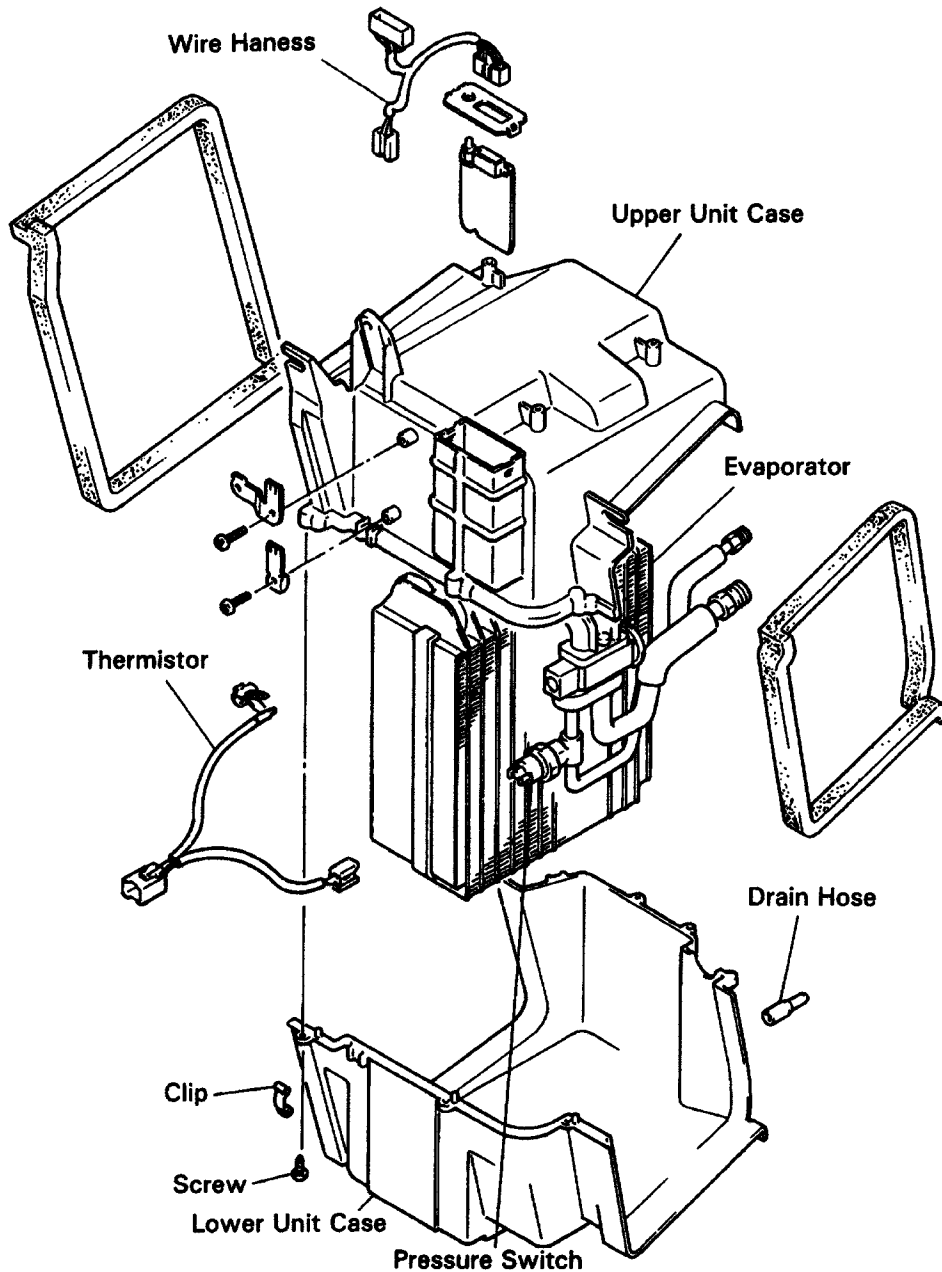
5. REMOVE GROMMETS FROM INLET AND OUTLET FITTINGS



6. REMOVE GLOVE BOX
7. DISCONNECT CONNECTOR
8. REMOVE COOLING UNIT

Remove the 4 screws and a nut.

## COOLING UNIT DISASSEMBLY

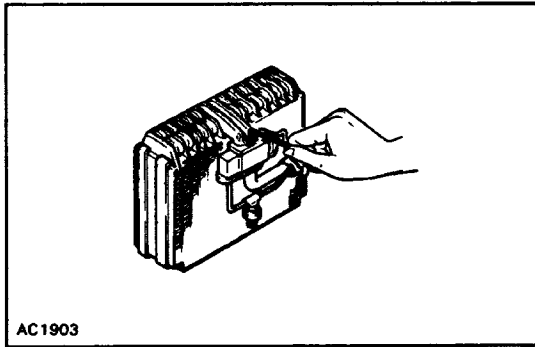


AC1902

### 1. REMOVE WIRE HARNESS

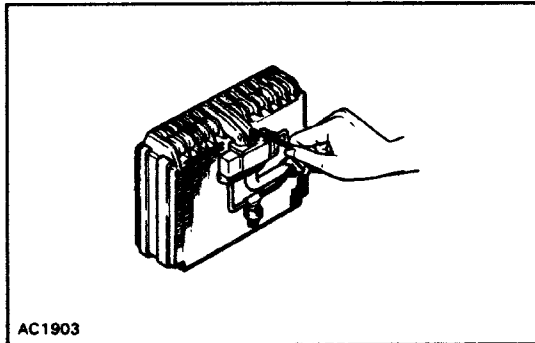
### 2. REMOVE UPPER AND LOWER CASE

- Remove the 3 clips.
- Remove the 4 screws.
- Remove the upper unit case.
- Remove the thermistor with the thermistor holder.
- Remove the lower unit case.



### 3. REMOVE EXPANSION VALVE

- (a) Disconnect the liquid tube from the inlet fitting of the expansion valve.
- (b) Remove the packing and the heat sensing tube from the suction tube of the evaporator.
- (c) Remove the expansion valve.



## COOLING UNIT ASSEMBLY

### 1. INSTALL COMPONENTS ON EVAPORATOR

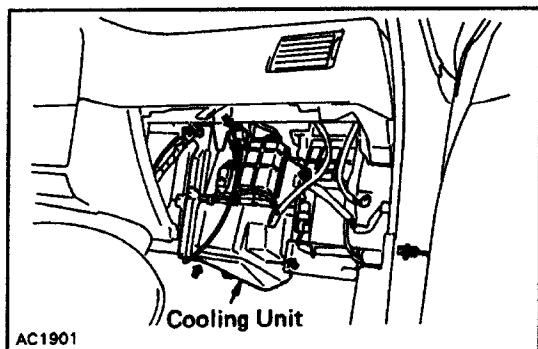
- (a) Connect the expansion valve, suction and liquid tube to the evaporator.

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

HINT: Be sure that the O-rings are positioned on the tube fitting.

- (b) Install the holder to the suction tube with heat sensitizing tube.
- (c) Install the lower unit case to the evaporator.
- (d) Install the thermistor to the evaporator.
- (e) Install the upper unit case.
- (f) Install the 4 screws.
- (g) Install the 3 clips.

### 2. INSTALL WIRE HARNESS



## COOLING UNIT INSTALLATION

### 1. INSTALL COOLING UNIT

Install the cooling unit with the 4 screws and the nut.

### 2. CONNECT CONNECTORS

### 3. INSTALL GLOVE BOX

### 4. INSTALL GROMMETS ON INLET AND OUTLET FITTING

### 5. CONNECT LIQUID TUBE TO COOLING UNIT INLET FITTING

Torque: 14 N-m (140 kgf-cm, 10 ft-lbf)

### 6. CONNECT SUCTION TUBE TO COOLING UNIT OUTLET FITTING

Torque: 32 N-m (325 kgf-cm, 24 ft-lbf)

### 7. IF EVAPORATOR WAS REPLACED, ADD COMPRESSOR OIL TO COMPRESSOR

Add 40–50 cc (1.4–1.7 fl.oz.)

Compressor oil:

ND-OIL 8 or equivalent

### 8. CONNECT NEGATIVE (–) TERMINAL CABLE TO BATTERY

### 9. EVACUATE AIR FROM REFRIGERATION SYSTEM

### 10. CHARGE AIR CONDITIONING SYSTEM WITH REFRIGERANT AND INSPECT FOR GAS LEAKAGE

Specified amount:

$700 \pm 50$  g ( $24.69 \pm 1.76$  oz.)