

## EXPANSION VALVE ON-VEHICLE INSPECTION

### 1. CHECK QUANTITY OF GAS DURING REFRIGERATION CYCLE

### 2. INSTALL MANIFOLD GAUGE SET

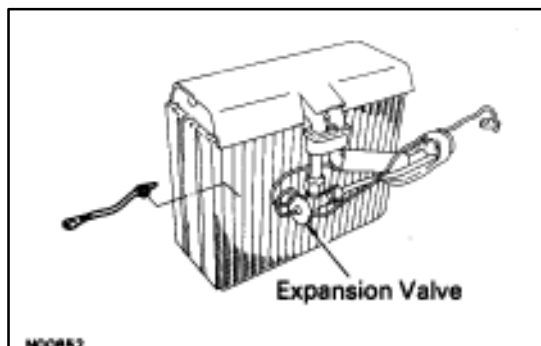
### 3. RUN ENGINE

Run the engine at 2,000 rpm for at least 5 minutes. Then check that the high pressure reading is 1,275–1,471 kPa (13–15 kgf/cm<sup>2</sup>, 185–213 psi).

### 4. CHECK EXPANSION VALVE

If the expansion valve is faulty, the low pressure reading will drop to 0 kPa (0 kgf/cm<sup>2</sup>, 0 psi), otherwise it is OK.

HINT: When the low pressure drops to 0 kPa (0 kgf/cm<sup>2</sup>, 0 psi), feel the receiver's IN and OUT sides for no temperature difference.



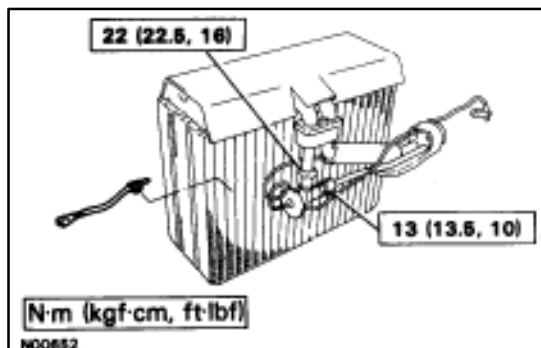
## REMOVAL OF EXPANSION VALVE

### 1. REMOVE EVAPORATOR

See page [AC-124](#).

### 2. REMOVE EQUALIZER TUBES

### 3. REMOVE EXPANSION VALVE



## INSTALLATION OF EXPANSION VALVE

### 1. INSTALL EXPANSION VALVE

Specified torque:

0.31 inch tube 13 N·m (135 kgf·cm, 10 ft·lbf)

0.50 inch tube 22 N·m (225 kgf·cm, 16 ft·lbf)

### 2. INSTALL EQUALIZER TUBES

### 3. INSTALL EVAPORATOR

See page [AC-126](#)