

EXPANSION VALVE ON-VEHICLE INSPECTION

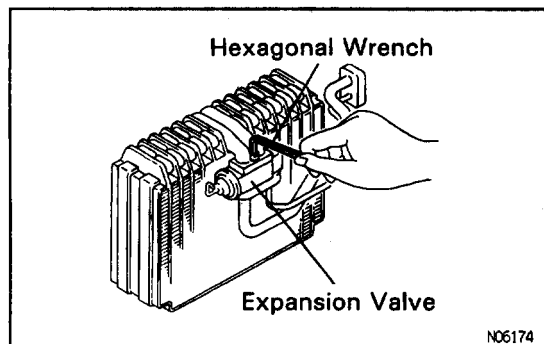
1. **CHECK QUANTITY OF GAS DURING REFRIGERATION CYCLE**
2. **INSTALL MANIFOLD GAUGE SET**
3. **RUN ENGINE**

Run the engine at 1,500 rpm for at least 5 minutes. Then check that the high pressure reading is 1.37–1.53 MPa (14–16 kgf/cm², 199–228 psi).

4. **CHECK EXPANSION VALVE**

If the expansion valve is faulty, the low pressure reading will drop to 0 kPa (0 kgf/cm², 0 psi), otherwise it is OK.

HINT: When the low pressure drops to 0 kPa (0 kgf/cm², 0 psi), feel the receiver's IN and OUT side for zero temperature difference.



EXPANSION VALVE REMOVAL AND INSTALLATION

(See page [AC-27](#))