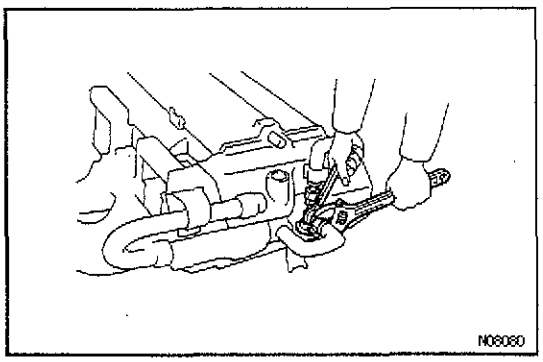
EXPANSION VALVE

ON—VEHICLE INSPECTION

AC0JA-03

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/cm², 185 — 213 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).
   HINT: When the low pressure drops to 0 kPa (0 kgf/cm², 0 psi), feel the receiver's IN and OUT sides for no temperature difference.
   If there is a temperature difference, replace the valve.



EXPANSION VALVE REMOVAL AND INSTALLATION

AC0JB-03

(See page AC—32, 34)