

EXPANSION VALVE

AC00V-02

ON-VEHICLE INSPECTION

1. CHECK QUANTITY OF GAS DURING REFRIGERATION CYCLE
2. SET ON MANIFOLD GAUGE SET
(See [page AC-18](#))
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), check the receiver's IN and OUT side for no temperature difference.