

# EXPANSION VALVE

AC08E-01

## ON-VEHICLE INSPECTION

1. **CHECK QUANTITY OF GAS DURING REFRIGERATION CYCLE**
2. **SET ON MANIFOLD GAUGE SET**  
(See page [AC-19](#))
3. **RUN ENGINE**
  - (a) Run the engine at 1,500 rpm for at least 5 minutes.
  - (b) Then check that the high pressure reading is 1.37 – 1.57 MPa (14 – 16 kgf/cm<sup>2</sup>, 199 – 228 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).

**HINT:**

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