

EVAPORATOR

EVAPORATOR REMOVAL AND INSTALLATION

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EVAPORATOR INSPECTION

1. CHECK EVAPORATOR FINS FOR BLOCKAGE

If the fins are clogged, clean them with compressed air.

NOTICE: Never use water to clean the evaporator.

2. CHECK FITTINGS FOR CRACKS OR SCRATCHES

Repair as necessary.

EXPANSION VALVE

ON-VEHICLE INSPECTION

1. CHECK QUANTITY OF GAS DURING REFRIGERATION CYCLE

2. INSTALL MANIFOLD GAUGE SET

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3. RUN ENGINE

Run the engine at 1,500 rpm for at least 5 minutes.

Then check that the high pressure is 1.37 – 1.53 MPa (14 – 16 kg/cm², 199 – 228 psi).

4. CHECK EXPANSION VALVE

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

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

EXPANSION VALVE REMOVAL AND INSTALLATION

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