

REAR AIR CONDITIONING UNIT ASSY

551AJ-01

ON-VEHICLE INSPECTION

1. INSPECT EXPANSION VALVE

- (a) Check quantity of gas during refrigeration cycle.
- (b) Set on manifold gauge set.
- (c) Run engine.
 - (1) Run the engine at 1,500 rpm for at least 5 minutes.
 - (2) Then check that the high pressure reading is 1.37 – 1.57 Mpa (14 – 16 kgf·cm², 199 – 288 psi).
- (d) Check expansion valve.

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

HINT:

When the lower pressure drop to 0kPa (0 kgf cm², 0 psi), feel the receiver's IN and OUT sides for no temperature difference.