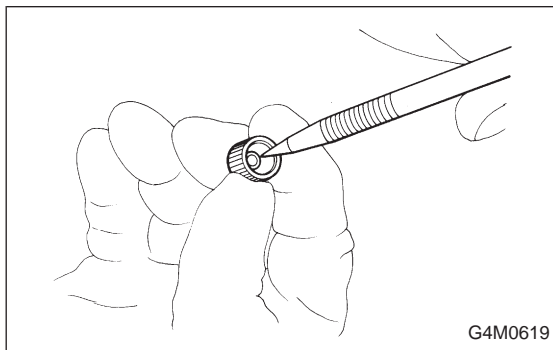


7. CHECK THE EVAPORATOR ASSEMBLY

- 1) Use one or both of the following methods to check the evaporator assembly.
- 2) Remove the drain hose from the case drain nipple. Hold the probe at the end of the case drain nipple for at least 10 seconds. Be certain to reconnect the drain hose when finished.
- 3) With the ignition key in the "ACC" position, run the blower on high speed for 1 minute, then turn the blower off. Place the probe in the center instrument panel vent, and turn the blower on low speed for 1 to 2 seconds, then turn the blower off. Leave the probe in the vent for at least 10 seconds.



8. CHECK THE SERVICE PORT CAPS

Visually inspect the inside of the service port caps. Make sure the rubber seal is in place on the inside of the caps. Disconnect the gauges from the vehicle and install the service port caps.

9. Lubrication

1. SYSTEM OIL STABILIZATION

Prior to opening the refrigerant system for repairs (except compressor seizure) the system must be stabilized for correct oil replenishment.

Follow these procedures:

- 1) Engine speed set to 1,500 rpm.
- 2) A/C "ON".
- 3) Air source to recirculate
- 4) Blower 4th or high speed position
 - Make sure the air entering the evaporator is above 26.7°C (80°F).
 - The discharge (high) side pressure must be above 588 kPa (6 kg/cm², 85 psi).
- 5) Operate the A/C for 10 minutes.

2. SYSTEM DISCHARGE

Slowly, discharge the system starting with the high-pressure side until the pressure drops below 345 kPa (3.52 kg/cm², 50 psi), then open the low-pressure side.

3. OIL REPLACEMENT

After stabilization and discharge, replace the component, adding the appropriate amount of oil (DH-PR) to the new component before installation.

Evaporator	75 mℓ (2.5 US fl oz, 2.6 Imp fl oz)
Receiver drier	10 mℓ (0.34 US fl oz, 0.4 Imp fl oz)
Condenser	35 mℓ (1.2 US fl oz, 1.2 Imp fl oz)
Hose	1 mℓ (0.03 US fl oz, 0.04 Imp fl oz)

If the compressor is replaced (after stabilization):

- 1) Drain and measure the oil from the original compressor.
- 2) Drain the oil from the replacement compressor and refill with the same amount that was drained from the original [20 mℓ (0.7 US fl oz, 0.7 imp fl oz) minimum]. Always use DH-PR for the replacement oil.

10. Performance Test

1. VEHICLE SET UP

In order to obtain meaningful test results, the vehicle must be set up to meet the following conditions:

- 1) Vehicle in shade
- 2) No wind
- 3) All vehicle doors closed
- 4) Front windows open
- 5) Hood open
- 6) Engine speed set at 1,500 rpm.
- 7) A/C ON
- 8) Temperature control lever — Maximum cold
- 9) Air source — Recirculation
- 10) Blower speed — 4th position (High)
- 11) Operate A/C for 10 minutes (Minimum) before taking measurement.

2. MEASUREMENTS

After 10 minutes (Minimum) of A/C operation and using accurate test equipment, take the following measurements (in order):

- 1) Evaporator intake air temperature at recirculation door.
- 2) Evaporator discharge air temperature at center grill.
- 3) Condenser (Ambient) intake air temperature measured 0.9 m (3 ft) in front and in line with the center of the condenser
- 4) Suction (Low) side pressure
- 5) Discharge (High) side pressure