

AIR CONDITIONING TROUBLE SHOOTING (Cont'd)

PROBLEM

POSSIBLE CAUSES

REMEDY

1. Cont'd

* Restriction in Receiver Drier or Liquid Line resulting in a starved Evaporator.

* If Low and High side readings are excessively Low and/or the Liquid Line at the Expansion Valve is cool to the touch and showing signs of sweating or frosting, discharge and recover refrigerant. Replace the Receiver Drier, Liquid Lines or any other defective parts. Check oil level in Compressor, evacuate and recharge.

* Defective Expansion Valve restricting flow.

* Symptoms are same as Receiver Drier restriction. Discharge and recover Refrigerant. Remove and replace Expansion Valve. Check Oil level in Compressor, evacuate and recharge.

* Defective, Worn or Leaking Compressor

* Low side gage reading too high and High Side gage reading too Low. Discharge and recover refrigerant. Remove and replace new or rebuilt Compressor and replace Receiver Drier. Check oil level in compressor, evacuate and recharge.

2. Inadequate Cooling during hot part of the Day

* Excessive moisture in system freezing in Expansion Valve and restricting refrigerant flow.

* Discharge and recover Refrigerant. Replace Receiver Drier, check oil level in compressor, evacuate and recharge.

3. Gradual Loss over time of Cooling and air flow during A/C Operation

* Defective Thermostat, causing continuous operation of compressor thereby freezing condensate within Evaporator Core.

* Examine Capillary Tube of Thermostat to ensure that it is inserted into the approximate Evaporator core center and retest. If core still freezes and Compressor Clutch doesn't cycle off, replace Thermostat.

NOTE: FOLLOW DIAGNOSIS PROCEDURE IN "REMEDY" COLUMN IN THE ORDER LISTED.

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| 4. Compressor Clutch cycles too rapidly or discharge air warms excessively during compressor clutch "OFF" Cycle. | * Defective Thermostat | * Replace Thermostat |
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NOTE: FOLLOW DIAGNOSIS PROCEDURE IN "REMEDY" COLUMN IN THE ORDER LISTED.