R134A AIR CONDITIONING SYSTEM - TROUBLESHOOTING (Airplanes 20800274 and On, and 208B0655 and On)

1. General

- A. An understanding of the system is required in order to troubleshoot a vapor cycle cooling system.
- B. Troubleshooting should be performed at an ambient temperature above 50° F. At temperatures below 50° F, system will not function due to low refrigerant presssure.

2. Tools and Equipment

A. Refer to Air Conditioning - General, for a list of tools and equipment.

3. Troubleshooting

A. Troubleshooting charts are provided to aid maintenance technicians in system diagnosis of the R134a air conditioning system. Refer to Figure 101.

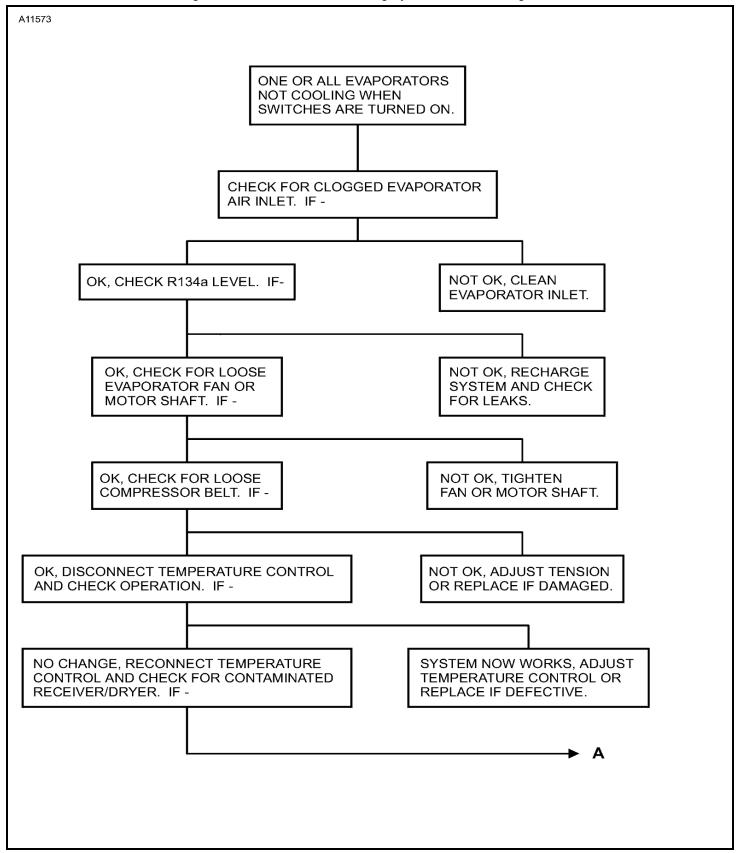
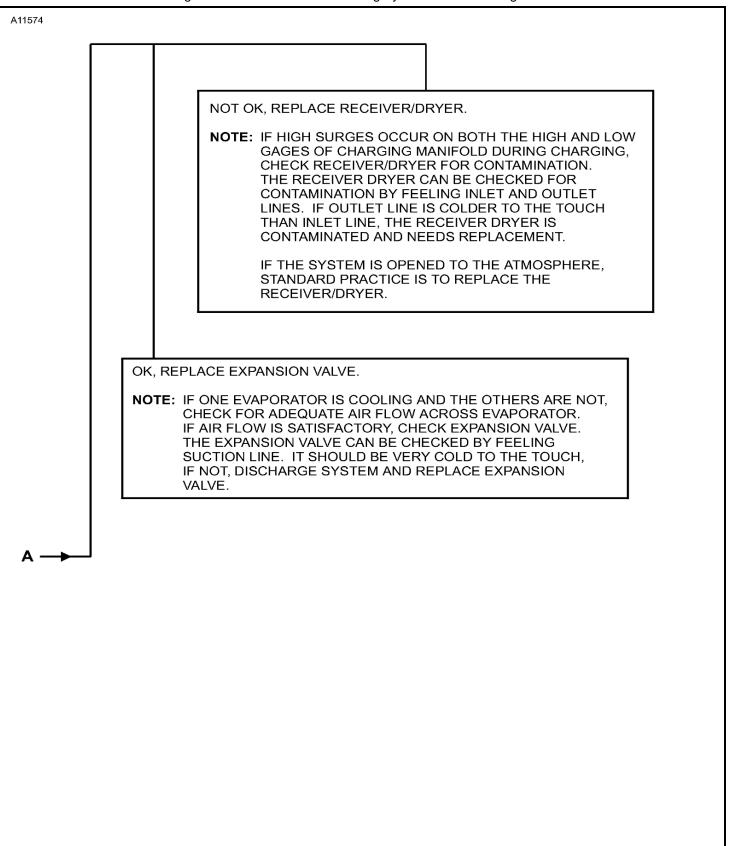


Figure 101: Sheet 1: R134a Cooling System Troubleshooting Chart

Figure 101: Sheet 2: R134a Cooling System Troubleshooting Chart



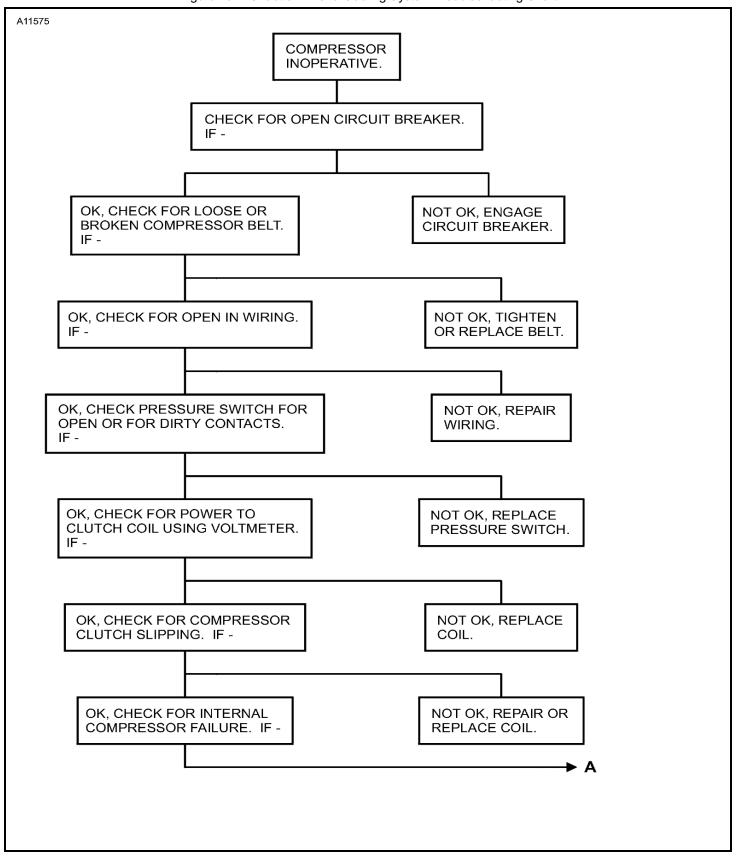


Figure 101: Sheet 3: R134a Cooling System Troubleshooting Chart

A11576 NOT OK, REPAIR OR OK, CHECK FOR COMPLETE REPLACE COMPRESSOR. LOSS OF REFRIGERANT; DETERMINE AND CORRECT CAUSE; AND RECHARGE SYSTEM.

Figure 101: Sheet 4: R134a Cooling System Troubleshooting Chart

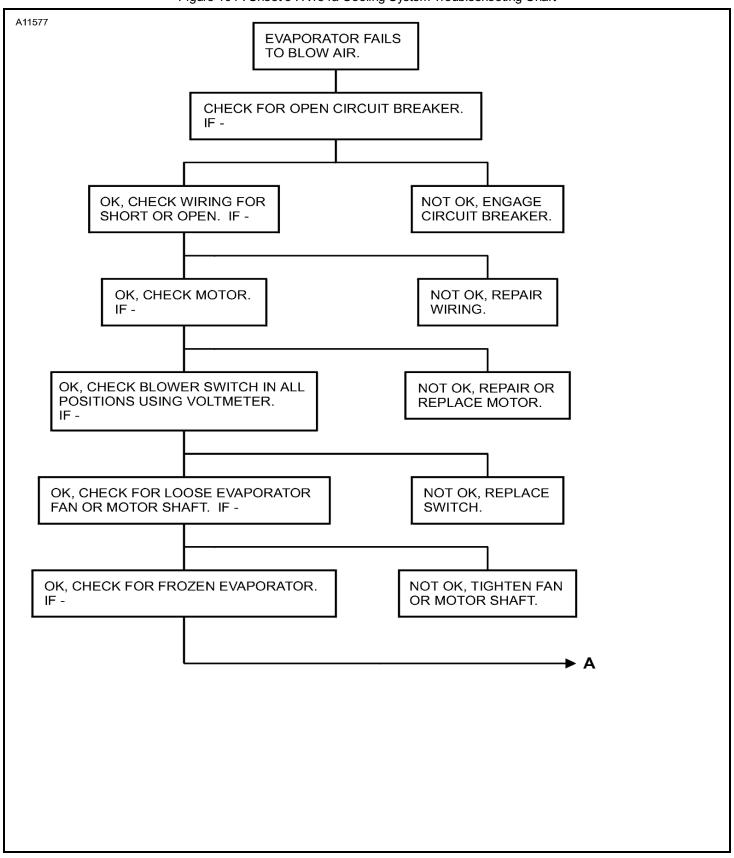


Figure 101: Sheet 5: R134a Cooling System Troubleshooting Chart

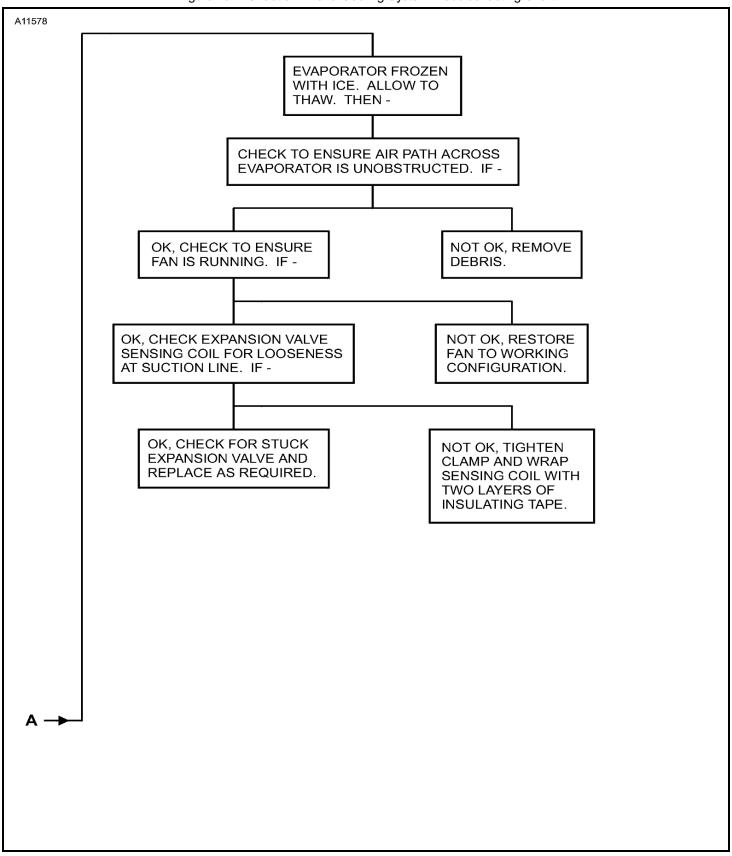


Figure 101: Sheet 6: R134a Cooling System Troubleshooting Chart

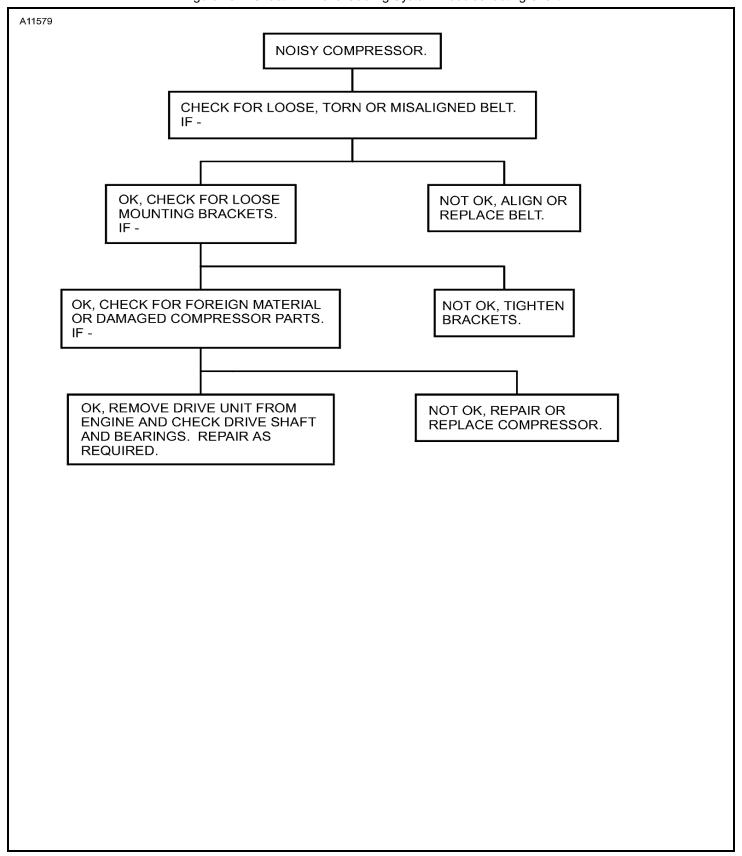


Figure 101: Sheet 7: R134a Cooling System Troubleshooting Chart

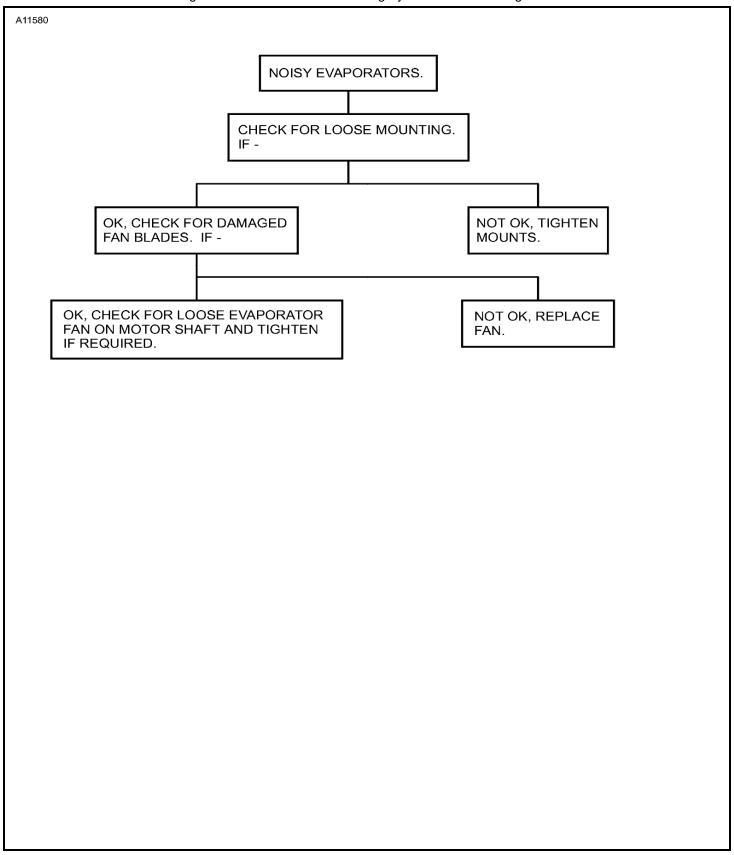


Figure 101: Sheet 8: R134a Cooling System Troubleshooting Chart

Figure 101: Sheet 9: R134a Cooling System Troubleshooting Chart

