

AVIONICS COOLING - TROUBLESHOOTING**1. General**

- A. This section provides troubleshooting for display units on Airplanes 208-00653 and On, and Airplanes 208B-005511 and On.
- B. The Garmin Display Unit (GDU) is used in the Primary Flight Display (PFD) #1, PFD #2 and the Multi-Function Display (MFD) positions.

2. GDU Cooling Fan System Troubleshooting

- A. Tools and Equipment
 - (1) Tools and Equipment
 - Multimeter.
- B. FAN FAIL (FN4) CAS Message, do the following:
 - (1) Remove the GDU from the affected position, refer to Chapter 34, Garmin Display Unit - Removal/Installation.
 - (2) Remove and inspect connector P1 on the GDU cooling fan.
 - (3) Re-seat connector P1 on the GDU cooling fan.
 - (a) Install the GDU, refer to Chapter 34, Garmin Display Unit - Removal/Installation.
 - (b) Do the GDU Cooling Operational Check, refer to Chapter 21, Avionics Cooling - Inspection/Check.
 - (4) If condition persists, check for 28VDC on connector P1 pin 3. Refer to the Model 208/208B Wiring Diagram Manual, Chapter 34, PFD #1, PFD #2 & MFD - Figure 05.
 - (a) If the GDU cooling fan connector P1 pin 3 does not receive 28VDC, replace the entire assembly which includes Terminal Board (UB001) and cooling fan (FN4).
 - (b) Install the GDU, refer to Chapter 34, Garmin Display Unit - Removal/Installation.
 - (c) Do the GDU Cooling Operational Check, refer to Chapter 21, Avionics Cooling - Inspection/Check.