

ELECTRICAL MONITORING - TROUBLESHOOTING

1. General

- A. A troubleshooting chart has been provided to aid the maintenance technician in system troubleshooting. Refer to Figure 101. This chart covers the volt- ammeter and selector switch.

Figure 101 : Sheet 1 : Volt-Ammeter and Selector Switch Troubleshooting Chart

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VOLT-AMMETER DOES NOT WORK IN ANY POSITION.

CHECK FOR DEFECTIVE VOLT-AMMETER GAGE. PLACE THE BATTERY SWITCH IN THE ON POSITION (ENGINE NOT RUNNING). SWITCH THE TAXI LIGHT SWITCH ON AND POSITION THE AMMETER SELECTOR SWITCH TO BATT. IF THE AMMETER NEEDLE DOES NOT MOVE, CHECK WIRING CONNECTIONS AT VOLT-AMMETER TO ENSURE THEY ARE TIGHT AND CLEAN. IF VOLT-AMMETER NEEDLE STILL DOES NOT MOVE, REMOVE VOLT-AMMETER AND BENCH CHECK. IF DEFECTIVE, REPLACE VOLT-AMMETER. IF OK -

CHECK FOR DEFECTIVE SELECTOR SWITCH BY CHECKING CONTINUITY. REPLACE SWITCH IF DEFECTIVE.

VOLT-AMMETER WORKS IN ALL POSITIONS EXCEPT GEN POSITION.

CHECK FOR DEFECTIVE WIRING LEADING INTO VOLT-AMMETER. ENSURE WIRES HAVE CONTINUITY WITH SELECTOR SWITCH IN GEN POSITION. IF -

OK, CHECK FOR OPEN LIMITERS IN ELECTRICAL POWER BOX ON FORWARD FIREWALL. REPLACE OPEN LIMITER.

NOT OK, REPAIR OR REPLACE WIRING.

Figure 101 : Sheet 2 : Volt-Ammeter and Selector Switch Troubleshooting Chart

