

ELECTRICAL MONITORING - MAINTENANCE PRACTICES

1. General

- A. A volt-ammeter gage and a selector switch, mounted on the left side of the instrument panel, are provided to monitor the electrical system operation. The ammeter selector switch is labeled GEN, ALT, BATT and VOLT. By positioning the selector switch to GEN, ALT or BATT position, the respective generator, alternator or battery amperage can be monitored. Positioning the switch to VOLT allows electrical system bus voltage to be monitored.
- B. Maintenance practices consist of removal/installation of the volt-ammeter gage and selector switch.

2. Volt-Ammeter Gage Removal/Installation

- A. Remove Volt-Ammeter Gage (Refer to Figure 201).
 - (1) Ensure airplane electrical power is off.
 - (2) Remove nuts, lockwashers and wires from volt-ammeter gage. Tag wires to ensure correct polarity when reinstalling.
 - (3) On front side of instrument panel, remove screws securing volt-ammeter gage to instrument panel.
- B. Install Volt- Ammeter Gage (Refer to Figure 201).
 - (1) Position volt-ammeter gage to instrument panel from back side.
 - (2) Secure volt-ammeter gage to instrument panel using screws.
 - (3) Attach wires to volt-ammeter gage using nuts and lockwashers.
NOTE: Ensure polarity is correct before attaching wires to volt-ammeter gage.
 - (4) Restore airplane electrical power.

3. Selector Switch Removal/Installation

- A. Remove Selector Switch (Refer to Figure 201).
 - (1) Ensure airplane electrical power is off.
 - (2) Loosen setscrew on knob and remove knob from instrument panel.
 - (3) Remove nut on front side of instrument panel, disconnect electrical connector and remove selector switch from airplane.
- B. Install Selector Switch (Refer to Figure 201).
 - (1) Install selector switch through hole in instrument panel from back side.
 - (2) Install nut to secure selector switch to instrument panel.
 - (3) Connect electrical connector.
 - (4) Install knob using setscrew. Ensure selector switch rotates to all four positions.
 - (5) Restore airplane electrical power.

Figure 201 : Sheet 1 : Electrical Monitoring Installation

