

AC GENERATION - ADJUSTMENT/TEST**1. General**

- A. This section gives the adjustment and test procedures for the AC Generation system. For a general description of the AC Generation system, refer to AC Generation - Description and Operation.

2. AC Generation Operational Check

- A. Do the AC Generation Operational Check.
- (1) Make sure that the 115 VAC PWR INVTR circuit breaker, found on the left circuit breaker panel, is engaged.
 - (2) Connect the external electrical power unit to the airplane.
 - (3) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the BUS position.
 - (4) Make sure that the 115 VAC switch (SI029) found on the left switch panel, is set to the ON position.
 - (5) Use an AC voltmeter to do a check for 110 VAC, +5 or - 5 VAC, at each electrical outlet in the cabin.
 - (a) Make sure there is the correct voltage at each electrical outlet.
 - (6) At the lower left instrument panel set the 115 VAC switch to the OFF position.
 - (a) Check each outlet with the AC voltmeter and make sure that no voltage shows at each electrical outlet.
 - (7) Set the 115 VAC switch to the ON position.
 - (a) Check each outlet again and make sure there is the correct voltage at each electrical outlet.
 - (8) Set the BATTERY switch (SC005), found on the circuit breaker switch panel, to the OFF position.
 - (9) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the OFF position.
 - (10) Remove external electrical power from the airplane.