

POWER CONTROLLER - REMOVAL/INSTALLATION**1. General**

- A. This section gives the removal and installation procedures for the Power Controller. For a general description of the Power Controller, refer to AC Generation - Description and Operation.

2. Power Controller Removal/Installation

- A. Remove the Power Controller (BF001) (Refer to Figure 401).
- (1) Remove external electrical power from the airplane.
 - (2) Make sure that the BATTERY switch (SC005), found on the circuit breaker switch panel, is set to the OFF position.
 - (3) Make sure that the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, is set to the OFF position.
 - (4) Disengage the 115 VAC OUTLET CTRLR circuit breaker found on the left circuit breaker panel.
 - (5) Remove the floor panels, access plates and panels as necessary between FS 237.50 and FS 246.81 and near the right of BL0.00 to get access to the controller. Refer to Chapter 6 Access Plates and Panels Identification-Description and Operation, Figure 4.
 - (6) Disconnect the electrical connectors from the controller.
 - (7) Remove the screws that attach the controller to the mounting clip assembly.
 - (8) Remove the controller from the airplane.
- B. Install the Power Controller (BF001) (Refer to Figure 401).
- (1) Put the controller in its correct position on the clip assembly.
 - (a) Install the screws that attach the inverter to the clip assembly.
 - (2) Connect the electrical connectors to the controller.
 - (3) Do an electrical bond check (Type I) from the inverter to the support tray. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.
 - (4) Install as necessary floor access plates and panels. Refer to Chapter 6, Access Plates and Panels Identification-Description and Operation.
 - (5) Engage the 115 VAC OUTLET CTRLR circuit breaker found on the left circuit breaker panel.
 - (6) Do an operational check of the Power Controller. Refer to AC Generation - Adjustment/Test.

Figure 401 : Sheet 1 : POWER Controller Installation

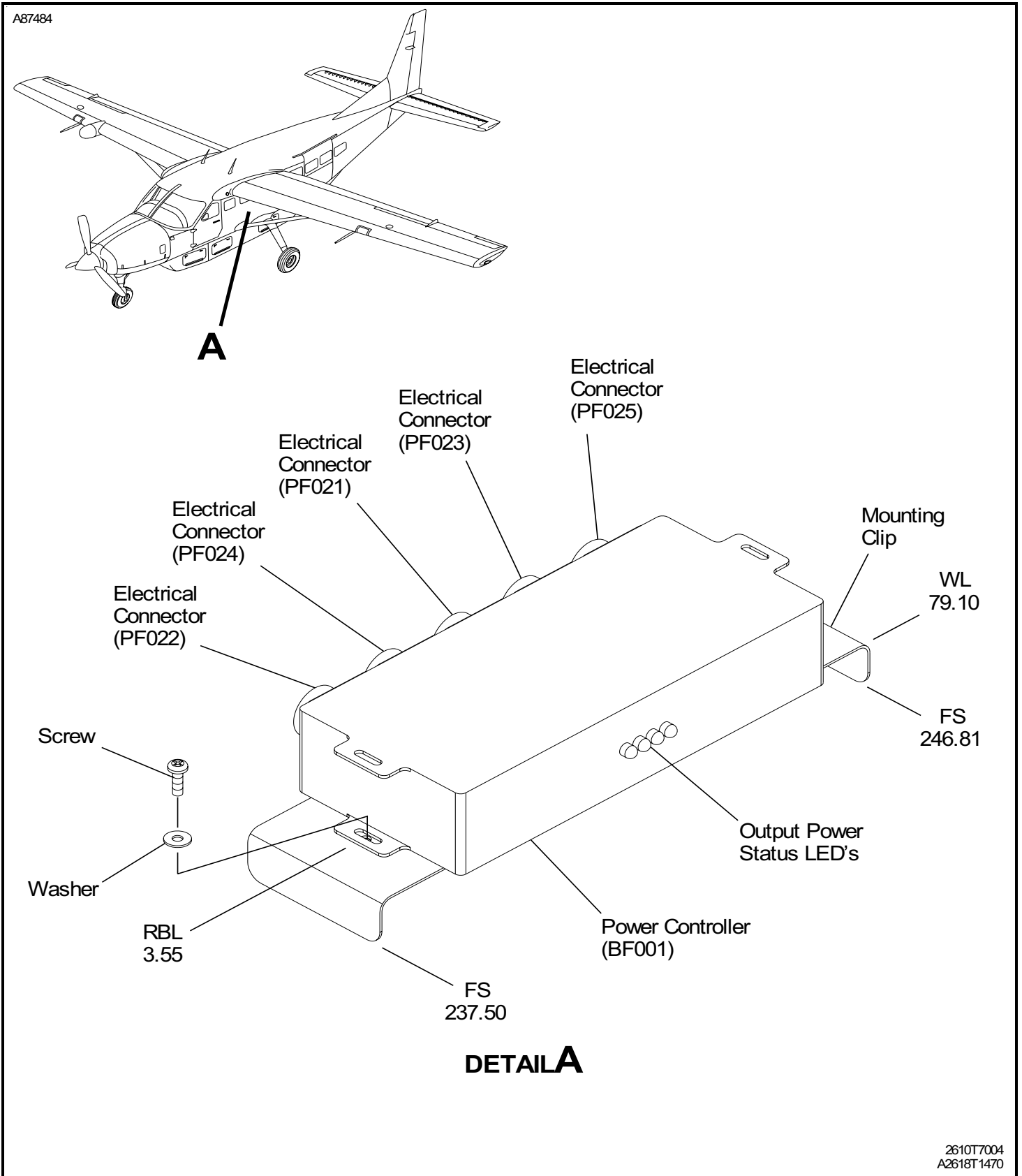


Figure 4 : Sheet 1 : Model 208B and 208B Super Cargomaster Panels

