

GARMIN GMC 710 AFCS CONTROLLER - REMOVAL/INSTALLATION

1. General

- A. This section gives the removal and installation procedures for the Garmin GMC 710 AFCS Controller. For a general overview of the GMC 710 refer to Garmin GMC 710 AFCS Controller - Description and Operation.

2. Tools and Equipment

NOTE: For the supplier publication part number and manufacturer data, refer to the Introduction Supplier Publication List.

- A. Tools and Equipment
- Protective cover.
- B. Special Consumables
- None.
- C. Reference Material
- Garmin GMC 710 AFCS Controller - Description and Operation
 - Garmin GFC 700 Autopilot - Adjustment/Test
 - Chapter 34, Garmin G1000 Integrated Avionics System - Adjustment/Test.

3. Setup

- A. Prepare the Airplane
- Disconnect external electrical power from the airplane.
 - Disengage the circuit breakers given in Table 401.

Table 401. Circuit Breakers

Circuit Breaker Name	Circuit Breaker Location
A/P CONT	Avionics Circuit Breaker Panel
AP SERVOS & AP DISC	Avionics Circuit Breaker Panel

4. GMC 710 AFCS Controller Removal

- A. Do the GMC 710 AFCS Controller Removal (Refer to Figure 401).
- Turn the captive screws on the AFCS controller counterclockwise 1/4 turn.
 - Move the controller aft sufficiently to get access to the rear of the controller.
 - Disconnect the connector from the controller.
 - Remove the AFCS controller from the airplane.

5. GMC 710 AFCS Controller Installation

- A. Do the GMC 710 AFCS Controller Installation (Refer to Figure 401).
- Put the AFCS controller near it's position in the instrument panel.
 - Connect the electrical connector to the AFCS controller.
 - Install the controller fully in the instrument panel.
 - Turn the captive screws on the controller clockwise 1/4 turn to attach it to the autopilot tray assembly.

6. Post-Maintenance Checks

- A. GMC 710 AFCS Controller Post-Maintenance Checks.
- Engage the circuit breakers given in Table 401.
 - Do the G1000 Baseline Software/Configuration Load. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test.
 - Do a check to make sure the GMC 710 AFCS controller operates correctly. Refer to Garmin GFC 700 Autopilot - Adjustment/Test.

7. Closeout

- A. Put the Airplane Back to its Initial Condition.

(1) None.

Figure 401 : Sheet 1 : GMC 710 AFCS Installation

