

GARMIN G1000 MASTER CONFIGURATION MODULE - REMOVAL/INSTALLATION

1. General

- A. This section gives the removal and installation of the Garmin G1000 Master Configuration Module. For a general over view of the Gamin integrated avionics system refer to, Garmin G1000 Integrated Avionics System - 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
- None.
- B. Special Consumable's
- None.
- C. Reference Material
- Garmin G1000 Integrated Avionics System - Description and Operation
 - Garmin G1000 Integrated Avionics System - Adjustment/Test
 - Garmin Display Unit - Removal/Installation.

3. Setup

- A. Prepare the Airplane
- (1) Remove the external electrical power.
 - (2) Disengage the circuit breaker given in Table 401.

Table 401. Circuit Breakers

Circuit Breaker Name	Circuit Breaker Location
PFD 1	Avionics Circuit Breaker Panel

4. Master Configuration Module Removal

- A. Remove the Master Configuration Module (Refer to Figure 401).

NOTE: The PFD configuration module is the Garmin G1000 integrated flight deck system master configuration module. It is installed in the pilot's (PFD 1) electrical connector (PI401).

NOTE: The copilot's (PFD 2) electrical connector (PI402) does not have a configuration module.

- (1) Remove the Primary Flight Display (PFD 1). Refer to Garmin Display Unit - Removal/Installation.
- (2) Remove the screws from the electrical connector (PI401) cover and remove the cover.
- (3) Disconnect the connector on the cable harness from the configuration module.
- (4) Carefully remove the configuration module from the electrical connector.

5. Master Configuration Module Installation

- A. Install the Master Configuration Module (Refer to Figure 401).
- (1) Examine the connector pins on the cable harness for damage.
 - (2) Carefully put the configuration module in its position in the electrical connector.
 - (3) Connect the electrical connector on the cable harness to the configuration module.
 - (4) Put the electrical connector cover in its position on the electrical connector.
 - (5) Install the screws that attach the connector cover.
 - (6) Install the PFD 1, refer to Garmin Display Unit - Removal/Installation.
 - (7) Engage the circuit breaker given in Table 401.

6. Master Configuration Module Post-Maintenance Checks

- A. Do the Master Configuration Module Post-Maintenance Checks.
- (1) If a new configuration module is installed, you must do the G1000 baseline software and configuration upload. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test, G1000 Baseline Software/Configuration Load.

- (2) If the master configuration module is replaced you must replace the unlock cards for optional systems (TAWS, Jeppesen Aviation Database and other systems that have unlock database cards).

NOTE: If the master configuration module is replaced, new terrain database cards also need to be ordered.

- (3) Do a check to make sure that the Garmin components status is correct. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test G1000 Architecture Verification Check.

7. Closeout

- A. Put the Airplane Back to its Initial Condition.
 - (1) None.

Figure 401 : Sheet 1 : Master Configuration Module Installation

