

GARMIN G1000 TERRAIN AWARENESS WARNING SYSTEM - ADJUSTMENT/TEST

1. General

- A. This section gives the adjustment and test procedures for the for the Garmin G1000 Terrain Awareness Warning System (TAWS-B). For a general overview of the TAWS-B refer to Garmin G1000 Terrain Awareness Warning System - Description and Operation.
- B. The TAWS system must be enabled (unlocked) if the baseline software is loaded to the Garmin G1000 Integrated Avionics System. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test, G1000 TAWS Enable Configuration.

2. Terrain Awareness Warning System Operational Check

A. Tools and Equipment

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

- (1) Tools and Equipment
 - None.
- (2) Special Consumables
 - None.
- (3) Reference Material
 - Garmin G1000 Terrain Awareness Warning System - Description and Operation.

B. Prepare the Airplane

- (1) Make sure that the switches that follow are in the OFF position:
 - (a) BATTERY switch.
 - (b) EXTERNAL POWER switch.
 - (c) AVIONICS 1 and 2 switches.
- (2) Connect external electrical power to the airplane.
- (3) Make sure that all the circuit breakers on the Avionics circuit breaker panel are engaged.
- (4) Put the switches that follow to the positions given:
 - (a) External POWER switch to the BUS position.
 - (b) BATTERY switch to the ON position.
 - (c) Avionics 1 and 2 switches to the ON position.
- (5) After the Garmin G1000 system is fully initiated refer to Garmin G1000 Integrated Avionics System - Adjustment/Test and do the steps that follow:
 - (a) Do the Architecture Verification check and make sure all systems are serviceable. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test, G1000 Architecture Verification Check.
 - (b) Make sure that the correct software and configuration has been installed.

C. Do the TAWS-B Manual System Test.

- (1) On the GMA 1347 audio panel, make sure that SPKR is selected.
- (2) On the multifunction display (MFD) turn the FMS outer knob to select the Map Page Group.
- (3) On the MFD turn the FMS inner knob to select the TAWS page.
- (4) On the MFD push the MENU key.
- (5) On the MFD turn the FMS inner knob to select the TAWS TEST.
 - (a) On the MFD push the ENT key.
 - (b) While the test is in progress, TAWS TEST is shown in the center of the TAWS page.
 - (c) Make sure that 'TAWS System Test, OK' is heard on speaker.
- (6) Put the switches that follow to the OFF position:
 - (a) BATTERY switch.

- (b) EXTERNAL POWER switch.
- (c) AVIONICS 1 and 2 switches.
- (7) Disconnect external electrical power from the airplane.
- D. Put the Airplane Back to its Initial Condition.
 - (1) None.