

GARMIN GTS 825 TAS PROCESSOR - REMOVAL/INSTALLATION**1. General**

- A. This section gives the removal and installation procedures of the Garmin GTS 825 TAS Processor. For a general overview of the Garmin GTS 825 Traffic Advisory System refer to Garmin GTS 825 Traffic Advisory 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
- Coaxial Connector Protective Cover
 - Electrical connector Protective Cover.
- B. Special Consumables
- None.
- C. Reference Material
- Chapter 25, Rear Compartment Wall - Maintenance practices
 - Garmin GTS 825 Traffic Advisory System - Description and Operation
 - Garmin GTS 825 Traffic Advisory System - Adjustment/Test.

3. Setup

- A. Prepare the Airplane
- (1) Put the BATTERY switch to the OFF position.
 - (2) Put the AVIONICS switches to the OFF position.
 - (3) Disconnect external electrical power from the airplane.
 - (4) Disengage the circuit breaker given in Table 401.

Table 401. Circuit Breakers

Circuit BreakerName	Circuit Breaker Location
TAS	Avionics Circuit Breaker Panel

- (5) As necessary, get access to the aft avionics shelf. Refer to Chapter 25, Rear Compartment Wall - Maintenance practices.

4. Garmin GTS 825 TAS Processor Removal

- A. Remove the GTS 825 TAS Processor (Refer to Figure 401).
- (1) Disconnect each of the four coaxial connectors, (PT1022), (PT1023), (PT1024), and (PT1025) from the GTS 825 TAS Processor.
 - (a) If the processor is not to be replaced immediately, put a protective cover on each of the coaxial connectors.
 - (2) Disconnect the electrical connectors (PT702), (PT703) and (PT704) from the GTS 825 TAS Processor.
 - (a) If the processor is not to be replaced immediately, put a protective cover on the electrical connector.
 - (3) Loosen each of the two knurled nuts on the mounting tray and remove each them from the GTS 825 Processor.
 - (4) Remove the GTS 825 TAS Processor from the airplane.
 - (5) On the GTS 825 TAS Processor, remove the 50 Ohm terminators from coaxial connectors (J1B), (J2B), (J3B), and (J4B).
 - (a) Keep the 50 Ohm terminators for installation on GTS 825 TAS processor you are to install.

5. GTS 825 TAS Processor Installation

- A. Install the GTS 825 TAS Processor (Refer to Figure 401).
- (1) On the GTS 825 TAS Processor install the 50 Ohm terminators you kept from the GTS 825 TAS processor you removed from the airplane, to coaxial connectors (J1B), (J2B), (J3B), and (J4B).
 - (2) Put the GTS 825 TAS Processor in its correct position on its mounting tray.

- (3) Engage each of the two knurled nuts to the GTS 825 TAS Processor and tighten.
- (4) If necessary, remove the protective covers from the electrical connectors.
- (5) Connect the electrical connectors (PT702), (PT703) and (PT704) to the GTS 825 TAS Processor.
- (6) If necessary, remove the protective covers from the coaxial connectors.
- (7) Connect each of the four coaxial connectors, (PT1022), (PT1023), (PT1024), and (PT1025) to the GTS 825 TAS Processor.
- (8) Engage the circuit breaker given in Table 401.

6. GTS 825 TAS Processor Post-Maintenance Checks

- A. Do the GTS 825 TAS Processor Post-Maintenance Checks
 - (1) If a new TAS processor was installed, do the GTS 825 TAS Traffic Advisory system option software/configuration load. Refer to Garmin GTS 825 Traffic Advisory System - Adjustment/Test GTS 825 TAS Configuration.
 - (2) Do an operational check of the GTS 825 Traffic Advisory system. Refer to Garmin GTS 825 Traffic Advisory System - Adjustment/Test Garmin GTS 825 Traffic Advisory System Operational Check.

7. Closeout

- A. Put the Airplane Back to its Initial Condition.
 - (1) As necessary, put the rear compartment wall back to previous condition. Refer to Chapter 25, Rear Compartment Wall - Maintenance practices.

Figure 401 : Sheet 1 : Garmin GTS 825 TAS Processor Installation

