

## BENDIX/KING KTA-810 TAS PROCESSOR - REMOVAL/INSTALLATION

### 1. General

- A. This section gives the removal and installation procedures of the Bendix/King KTA-810 TAS Processor. For a general overview of the Bendix/King KTA-870 Traffic Advisory System refer to Bendix/King KTA-870 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
  - Bendix/King KTA-870 Traffic Advisory System - Description and Operation
  - Bendix/King KTA-870 Traffic Advisory System - Adjustment/Test
  - Bendix/King KCM-805 TAS Configuration Module- Adjustment/Test
  - Garmin G1000 Integrated Avionics System - Adjustment/Test.

### 3. Setup

- A. Prepare the Airplane
- (1) Put the BATTERY switch to the OFF position.
  - (2) Put the 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 Breaker Name	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. KTA-810 TAS Processor Removal

- A. Remove the KTA-810 TAS Processor (Refer to Figure 401).
- (1) Disconnect each of the four coaxial connectors, (PT1007),( PT1008), (PT1009), (PT1010) and (PT1011) from the KTA-810 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 connector (PT700) from the KTA-810 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 of them from the KTA-810 TAS Processor.
  - (4) Remove the KTA-810 TAS Processor from the airplane.
  - (5) On the KTA-810 TAS Processor, remove the 50 Ohm terminators from coaxial connectors (J5B), (J6B), and (J8B).
    - (a) Record which terminator was removed from connector (J8).
 

**NOTE:** The terminator removed from (J8) is a different part number than the terminators removed from (J5) and (J6).
    - (b) Keep the 50 Ohm terminators for installation on KTA-810 TAS Processor you are to install.

### 5. KTA-810 TAS Processor Installation

- A. Install the KTA-810 TAS Processor (Refer to Figure 401).
- (1) On the KTA-810 TAS Processor, install the 50 Ohm terminators you kept from the KTA-810 TAS processor you removed from the airplane, to coaxial connectors (J5B), (J6B), and (J8B).
    - (a) Make sure you install the correct part number terminator on connector (J8).
  - (2) Put the KTA-810 TAS Processor in its correct position on its mounting tray.
  - (3) Engage each of the two knurled nuts to the KTA-810 TAS Processor and tighten.
  - (4) If necessary, remove the protective cover from the electrical connector (PT700).
  - (5) Connect the electrical connector (PT700) to the KTA-810 TAS Processor.
  - (6) If necessary, remove the protective covers from the coaxial connectors, (PT1007),( PT1008), (PT1009), (PT1010) and (PT1011).
  - (7) Connect each of the four coaxial connectors, (PT1007),( PT1008), (PT1009), (PT1010) and (PT1011) to the KTA-810 TAS Processor.

## 6. KTA-810 TAS Processor Post-Maintenance Checks

- A. If a new TAS processor was installed do the steps that follow:
- (1) Engage the circuit breaker given in Table 401.
  - (2) Do the KTA-810 TAS Configuration Module Configuration. Refer to Bendix/King KCM-805 TAS Configuration Module- Adjustment/Test.
  - (3) Do the KTA-870 Traffic Advisory system option software load. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test G1000 Option Software Load.
  - (4) Do an operational check of the KTA-870 Traffic Advisory system. Refer to, Bendix/King KTA-870 Traffic Advisory System - Adjustment/Test.
- B. If the same TAS processor was installed do an operational check of the KTA-870 Traffic Advisory system. Refer to, Bendix/King KTA-870 Traffic Advisory System - Adjustment/Test.

## 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 : KTA-810 TAS Processor Installation

