**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 theKTA-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/TestG1000 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.
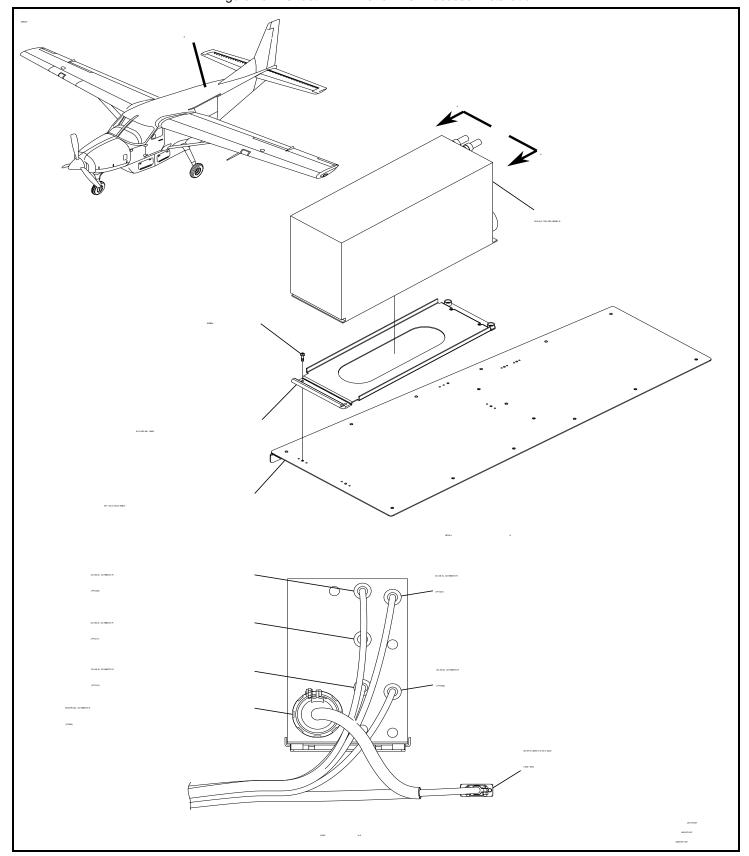
Figure 401 : Sheet 1 : KTA-810 TAS Processor Installation