

**BENDIX/KING KRA 405B RADAR ALTIMETER UNIT - REMOVAL/INSTALLATION**

**1. General**

- A. This section gives the removal and installation procedures of the Bendix/King KRA 405B Radar Altimeter Unit. For a general overview of the radar altimeter unit refer to, Bendix/King KRA 405B Radar Altimeter System - Description and Operation.

**NOTE:** This procedure is applicable to each airplane with a KRA 405B radar altimeter installed.

**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 Covers
  - Electrical connector Protective Cover.
- B. Special Consumables
- None.
- C. Reference Material
- Chapter 25, Rear Compartment Wall - Maintenance practices
  - Bendix/King KRA 405B Radar Altimeter System - Description and Operation
  - Bendix/King KRA 405B Radar Altimeter System - Adjustment/Test
  - Garmin G1000 Integrated Avionics System - Adjustment/Test.

**3. Setup**

- A. Prepare the Airplane
- (1) Make sure that the BATTERY switch, found on the circuit breaker switch panel, is set to the OFF position.
  - (2) Make sure that the AVIONICS switches on the circuit breaker switch panel, are set 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
RADIO ALT	Avionics Circuit Breaker Panel

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

**4. KRA 405B Radar Altimeter Unit Removal**

- A. Remove the KRA 405B Radar Altimeter (Refer to Figure 401).
- (1) Disconnect the electrical connector (PT800) from the KRA 405B unit.
    - (a) If the KRA 405B unit is not to be replaced immediately, put a protective cover on the electrical connector.
  - (2) Disconnect each of the two coaxial connectors, (PT1018) and (PT1020) from the KRA 405B unit.
    - (a) If the processor is not to be replaced immediately, put a protective cover on each of the coaxial connectors.
  - (3) Loosen the knurled nut on the mounting tray and remove it from the KRA 405B.
  - (4) Remove the KRA 405B unit from the airplane.

**5. KRA 405B Radar Altimeter Unit Installation**

- A. Install the KRA 405B Radar Altimeter Unit (Refer to Figure 401).
- (1) Put the KRA 405B unit in its correct position on its mounting tray.
  - (2) Engage the knurled nut to the KRA 405B unit and tighten.
  - (3) If necessary, remove the protective cover from the electrical connector (PT800).
  - (4) Connect the electrical connector (PT800) to the KRA 405B unit.
  - (5) If necessary, remove the protective covers from the coaxial connectors, (PT1018) and (PT1020).

- (6) Connect the two coaxial connectors (PT1018) and (PT1020) to the KRA 405B unit.
- (7) Engage the circuit breaker given in Table 401.

## **6. Post-Maintenance Checks**

- A. Do the KRA 405B Radar Altimeter unit post-maintenance checks.
  - (1) Do the KRA 405B configuration. Refer to Garmin G1000 Integrated Avionics System - Adjustment/Test, G1000 Option Software/Configuration Load.
  - (2) Do an operational check of the radar altimeter system. Refer to Bendix/King KRA 405B Radar Altimeter 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 : KRA 405B Radar Altimeter Unit Installation

