

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

