

**BENDIX/KING KRA 405B RADAR ALTIMETER SYSTEM - ADJUSTMENT/TEST****1. General**

- A. This section gives the adjustment and test procedures for the Bendix/King KRA 405B Radar Altimeter System. For a general overview of the KRA 405B Radar Altimeter System refer to, Bendix/King KRA 405B Radar Altimeter System - Description and Operation.

**2. Bendix/King KRA 405B Radar Altimeter System Operational Check****A. Tools and Equipment**

**NOTE:** For the supplier publication part number and manufacturer data, refer to the Introduction - Supplier Publication List.

**(1) Tools and Equipment**

- Microwave absorbent foam.

**(2) Special Consumables**

- None.

**(3) Reference Material**

- Bendix/King KRA 405B Radar Altimeter System - Description and Operation
- Garmin G1000 Integrated Avionics System - Adjustment/Test.

**B. Prepare the Airplane****(1) Make sure that the switches that follow are in the OFF position:**

- (a) BATTERY switch.
- (b) EXTERNAL POWER switch.
- (c) AVIONICS 1 and 2 switches.

**(2) Connect external electrical power to the airplane.****(3) Make sure that all the circuit breakers on the Avionics circuit breaker panel are engaged.****(4) Put the switches that follow to the positions given:**

- (a) External POWER switch to the BUS position.
- (b) BATTERY switch to the ON position.
- (c) Avionics 1 and 2 switches to the ON position.

**(5) After the Garmin G1000 system is fully initiated refer to Garmin G1000 Integrated Avionics System - Adjustment/Test and do the steps that follow:**

- (a) Do the Architecture Verification check and make sure all systems are serviceable.
- (b) Make sure that the correct software and configuration has been installed.

**C. KRA 405B Radar Altimeter Sensor Systems Antenna Operational Check.****(1) Hold the piece of microwave absorbent foam over both the transmit and receive antennas on the aft end of the aircraft.**

- (a) Make sure that the foam is between three to six inches away from the antennas.

**(2) While a technician holds the microwave absorbent foam over the antennas, monitor the RAD ALT indication located above the HSI on each of the two primary flight displays (PFD)s.**

- (a) Make sure that the RAD ALT indication is greater than 0 feet.

**(3) While the microwave foam is alternately moved closer and farther away from the antennas monitor the RAD ALT indication on the PFD's.**

- (a) Make sure that the indication increases and decreases as the foam is moved back and forth.

**(4) Move the foam completely away from the antennas.**

- (a) Make sure that the RAD ALT indication returns to 0 feet.

**D. Put the Airplane Back to its Initial Condition.****(1) Put the switches that follow to the OFF position:**

- (a) BATTERY switch.
  - (b) EXTERNAL POWER switch.
  - (c) AVIONICS 1 and 2 switches.
- (2) Disconnect external electrical power from the airplane.