

COMANT TAS L-BAND ANTENNA - REMOVAL/INSTALLATION

1. General

- A. This section gives the removal and installation procedures for the Bendix/King 870-KTA Traffic Advisory System L-band antenna. There are two Bendix/King 870-KTA TAS antennas installed on the airplane, the KA-815 directional antenna and the L-band antenna. 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

- A. Tools and Equipment
- Coaxial Connector Protective Covers.
- B. Special Consumables
- None.
- C. Reference Material
- Chapter 20, Electrical Bonding - Maintenance Practices
 - Chapter 20, Fuel, Weather, Pressure, and High-Temperature Sealing - Maintenance Practices
 - Bendix/King KTA-870 Traffic Advisory System - Description and Operation
 - Bendix/King KTA-870 Traffic Advisory System - Adjustment/Test.

3. Setup

- A. Prepare the Airplane
- (1) Put the BATTERY switch to the OFF position.
 - (2) Put 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 Breaker

Circuit Breaker Name	Circuit Breaker Location
TAS	Avionics Circuit Breaker Panel

4. TAS L-Band Antenna Removal

- A. Do the TAS L-Band Antenna Removal (Refer to Figure 401).
- (1) Remove the fillet seal from the base of the TAS L-Band antenna and the airplane skin. Refer to Chapter 20, Fuel, Weather, Pressure, and High-Temperature Sealing - Maintenance Practices.
 - (2) Remove the screws that attach the TAS L-band antenna to the fuselage skin.
 - (3) Carefully remove the TAS L-band antenna from the fuselage skin and support close to the fuselage.
 - (a) Disconnect the coaxial connector (PF1011) from the L-Band antenna.
 - (b) If a replacement antenna is not to be installed immediately, put a protective cover on the coaxial connector.
 - (4) Remove the L-Band antenna from the airplane.

5. L-Band Antenna Installation

- A. Do the TAS L-Band Antenna Installation (Refer to Figure 401).
- (1) If necessary, remove the protective cover from the coaxial connector.
 - (2) Put the L-Band antenna close to its installation position on the airplane.
 - (a) Connect the coaxial connector (PF1011) to the L-Band antenna.
 - (3) Install the screws that attach the antenna to the airplane skin.
 - (4) Make sure that the TAS directional antenna is Type I electrically bonded to the fuselage skin. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.

6. TAS L-Band Antenna Post-Maintenance Checks

- A. Do the TAS L-Band Antenna Post-Maintenance Checks. Refer to, Bendix/King KTA-870 Traffic Advisory System - Adjustment/Test.

7. Closeout

- A. Put the Airplane Back to its Initial Condition.
 - (1) Apply Type I, Class B sealant to make a fillet seal around the base of the TAS L-Band antenna and the fuselage skin. Refer to Chapter 20, Fuel, Weather, Pressure, and High-Temperature Sealing - Maintenance Practices.

Figure 401 : Sheet 1 : KA-815 Directional Antenna Installation

