

FAST GSM ANTENNA - REMOVAL/INSTALLATION**1. General**

- A. This section gives the removal and installation procedures for the FAST GSM antenna. For a general description of the antenna, refer to FAST Engine Trend Monitoring System - Description and Operation.

2. GSM Antenna Removal/Installation

- A. Remove GSM Antenna (YC1006) (Refer to Figure 401).
- (1) Remove external electrical power from the airplane.
 - (2) Make sure that the BATTERY switch (SC005), found on the circuit breaker switch panel, is set to the OFF position.
 - (3) Disengage the ETM POWER, and ETM CONTINUOUS POWER circuit breakers found on the relay panel just forward of the left side of the firewall.
 - (4) Remove the antenna.
 - (a) Carefully remove the sealer from the edge of the antenna.
 - (b) Remove the sealant from the screw counter-bores on the antenna.
 - (c) Remove the screws that attach the antenna to the fuselage skin.
 - (5) Carefully pull the antenna away from the fuselage skin sufficiently to get access to the coaxial connector.
 - (a) Disconnect the coaxial connector (PC1000).
 - (6) Remove the antenna from the airplane.
 - (7) Carefully remove the sealant from the fuselage skin.
 - (8) Examine the fuselage skin to make sure that there are no cracks, corrosion, or damage.
- B. Install GSM Antenna (YC1006) (Refer to Figure 401).
- (1) Make sure that the mounting surface of the fuselage skin are clean.
 - (2) Put the antenna near the correct mounting position on the fuselage skin.
 - (a) Connect the coaxial connector (PC1000) to the antenna.
 - (3) Install the screws that attach the antenna to the fuselage skin.
 - (4) Do an electrical bond check (Type I) between the antenna and the primary structure. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.
 - (5) Apply Type V, Class A to the screw counterbores. Refer to Chapter 20, Fuel, Weather, Pressure, and High-Temperature Sealing - Maintenance Practices.
 - (6) Apply Type XIII, Grade 2, Class B sealant to make a fillet seal around the perimeter of the antenna. Refer to Chapter 20, Fuel, Weather, Pressure, and High-Temperature Sealing - Maintenance Practices.
 - (7) Engage the ETM POWER, and ETM CONTINUOUS POWER circuit breakers found on the relay panel just forward of the left side of the firewall.
 - (8) Do a test of the GSM antenna. Refer to Fast Engine Trend Monitoring System - Adjustment/Test.

Figure 401 : Sheet 1 : GSM Antenna Installation

