

GARMIN GSR 56 IRIDIUM ANTENNA - REMOVAL/INSTALLATION**1. General**

- A. This section gives the Garmin GSR 56 Iridium Antenna removal and installation procedures. The GSR 56 Iridium Antenna is installed. For more data applicable to the antenna refer to Garmin GSR 56 - Description and Operation.

2. GSR 56 Iridium Antenna Removal/Installation

- A. Remove the GSR 56 Iridium Antenna (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) Make sure that the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, is set to the OFF position.
 - (4) Disengage the IRIDIUM DATA (OPT) circuit breaker found on the Avionics circuit breaker panel.
 - (5) Carefully remove the white RTV from the screw holes to get access to the screws.
 - (6) Remove the screws that attach the antenna to the fuselage skin.
 - (7) Break the bond of the sealant between the antenna and the fuselage skin.
 - (8) Carefully pull the antenna away from the airplane.
 - (9) Disconnect the coaxial cable connector from the antenna.
 - (10) Remove the antenna from the airplane.
 - (11) Put a protective cover on the coaxial cable connector.
 - (12) Do a bonding surface cleaning of the antenna surface and the fuselage skin. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.
- B. Install the GSR 56 Iridium Antenna (Refer to Figure 401).
- (1) Remove the protective cover from the coaxial cable connector.
 - (2) Connect the coaxial cable connector to the antenna.
 - (3) Put the antenna in its position on the airplane skin.
 - (4) Install the screws that attach the antenna to the fuselage skin.
 - (5) Do an electrical bonding check (Type I) between the antenna and the airplane structure. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.
 - (6) Engage the IRIDIUM DATA (OPT) circuit breaker found on the Avionics circuit breaker panel.
- C. To return the GSR 56 Iridium Satellite Radio System to service do the steps that follow:
- (1) Chapter 34, Garmin G1000 Integrated Avionics System - Adjustment/Test, GSR 56 Software Configuration, G1000 System Software (v.2499.08 and On).
 - (2) Use Type I, Class B sealant to apply a fillet seal around the base of the antenna. Refer to Chapter 20, Fuel, Weather and High-Temperature Sealing - Maintenance Practices.
 - (3) Use Type I, Class A white RTV to seal the top of the screws on the antenna. Refer to Chapter 20, Fuel, Weather and High-Temperature Sealing - Maintenance Practices.

Figure 401 : Sheet 1 : GSR 56 Iridium Antenna Installation

