

AUDIO JACK - REMOVAL/INSTALLATION

1. General

- A. This section gives the removal and installation procedures for the intercom jacks. Airplanes can have intercom jacks in the passenger compartment.

2. Tools and Equipment

- A. Tools and Equipment
- Soldering Iron.
- B. Special Consumables
- None.
- C. Reference Material
- Garmin GMA 1347 Audio Panel System - Adjustment/Test
 - Refer to Model 208 Wiring Diagram Manual, Chapter 20, Soldering - Maintenance Practices.

3. Setup

- A. Prepare the Airplane
- (1) Make sure that:
- (a) External electrical power is disconnected from the airplane.
 - (b) The AVIONICS 1 and 2 switches are in the OFF position.
 - (c) The BATTERY switch is in the OFF position.

4. Audio Jack Removal

NOTE: Installations in some airplanes are installed in an escutcheon assembly. Installations in some airplanes are installed flush with the interior panels with a plate installation. Refer to the type installation on the airplane you do maintenance on.

- A. Remove the Pilot/Copilot and Passenger audio (Intercom) Jacks (Escutcheon Installation) (Refer to Figure 401).

NOTE: The removal and installation of the microphone jack (small plug) and the headphone jack (large plug) are identical.

- (1) Remove the escutcheon to get access to the passenger jacks.
- (2) Remove the LED panel to get access to the pilot jacks.
- (3) Note the arrangement of the insulating washers under the jack and nut.
- (4) Remove the jam nut and washer that attaches the jack to the escutcheon.
- (5) Put a label on the applicable wires of the microphone jack (small plug) or the headphone jack (large plug).
- (6) Cut the wires near the soldered joint of the applicable jack.
- (7) Remove the jack bottom washer and insulating washer if applicable, from the escutcheon or instrument panel.

5. Audio Jack Installation

- A. Install the Pilot/Copilot and Passenger Intercom Jacks (Refer to Figure 401).
- (1) Solder the applicable wires to the jack. Refer to Model 208 Wiring Diagram Manual, Chapter 20, Soldering - Maintenance Practices.
 - (2) Put the jack, insulating washer, and bottom washer in their position in the escutcheon or in instrument panel.
 - (3) Install the jam nut, washer, and insulating washer that attaches the jack to the escutcheon.
 - (4) If removed, install the LED panel.

6. Audio Jack Post-Maintenance Checks

- A. Do the Audio Jack Post-Maintenance Checks
- (1) Do the Headset Microphone and Isolation Operational Test. Refer to the Garmin GMA 1347 Audio Panel System - Adjustment/Test.

7. Closeout

- A. Put the Airplane Back to its Initial Condition.

(1) None.

Figure 401 : Sheet 1 : Intercom Jack Installation (Escutcheon)

