



P122 Console Installation Instructions

**G12311
Rev C 12/5/2014**



INTRODUCTION

This document provides general information and instructions for the installation of the Geneva P122 Console. Installation is to be accomplished in accordance with Geneva Aviation instructions. Throughout the installation of this product it is necessary to utilize proper aviation practices. Contact Geneva Aviation if there are any conflicts related to this installation.

Before installing any of the components, first read through all of the documentation to become familiar with the installation requirements. This installation requires a completed FAA Form 337 and appropriate log book entries.

1.0 General Notes

- 1.1. The P122 Console is a direct replacement of the AS350 factory console. Electrically, it is identical to Geneva's P132 Console, using the same switches, circuit breakers, and wiring diagrams.
- 1.2. These installation instructions are supplemental to the P132 installation instructions (GA107-6).
- 1.3. For the electrical portions of this modification, follow the instructions in GA107-6. Refer to drawing G12132 for electrical cable connections.
- 1.4. Structural modifications are different from the P132 console and this document gives specific details relating to the structural installation of the P122 Console which differ from GA107-6.
- 1.5. For aircraft Post-Mod 350A07-4280 with the Multi-Bloc console, refer to drawing G13122 for structural modifications required to install the P122 Console.

2.0 Aircraft Preparation

- 2.1. Perform section 3.0 of GA107-6 and remove factory console and 30Δ PCB.
- 2.2. Perform sections 4.30 – 4.140 of GA107-6. Be sure to leave sufficient cable lengths for connecting cables to console.

3.0 Airframe Modifications

- 3.1. For aircraft Post-Mod 350A07-4280 with the Multi-Bloc console, skip steps 3.1 – 3.8. Refer to drawing G13122 for structural modifications required to install the P122 Console.
- 3.2. Remove the two clips from the aft wall of the instrument panel support structure (radio bay) as shown in Figure 1 and retain them with the factory console.

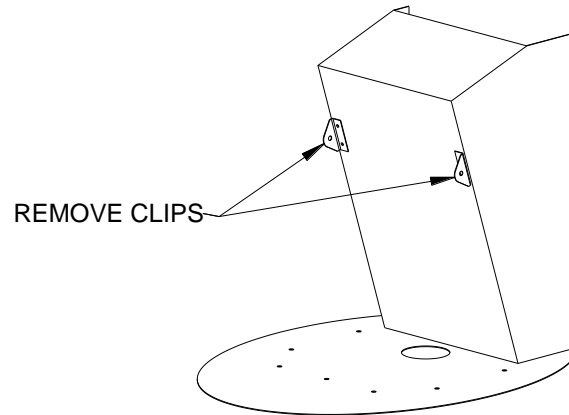


FIGURE 1

- 3.3. The P122 Console uses the same floor mounting points as the factory console. Bolt it into the floor temporarily using the hardware from the factory console (see Figure 2).

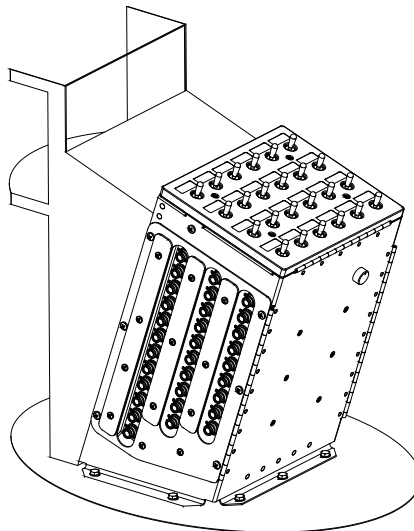


FIGURE 2

- 3.4. Remove the three forward #8 screws on each Circuit Breaker (CB) panel. Remove one #8 screw on each side of the console securing the Switch Plate Assembly (see Figure 3). Each should now hinge open (see Figure 4).

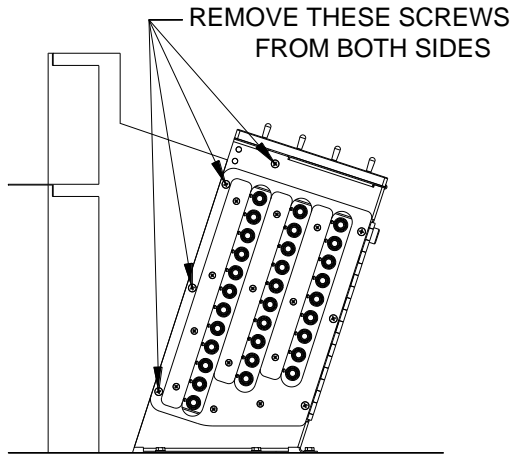


FIGURE 3

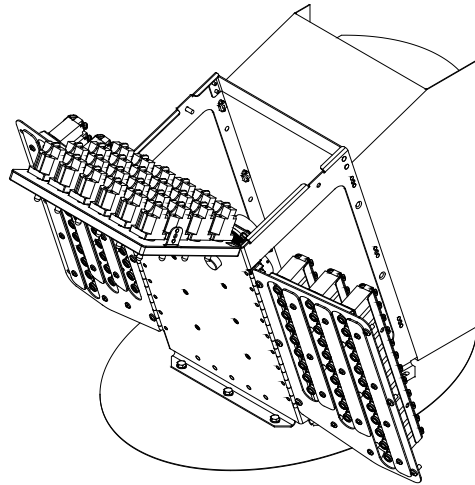


FIGURE 4

- 3.5. Locate brackets G12310-14 on each side of the aft wall of the instrument panel support structure (see Figure 5) and tape in place.

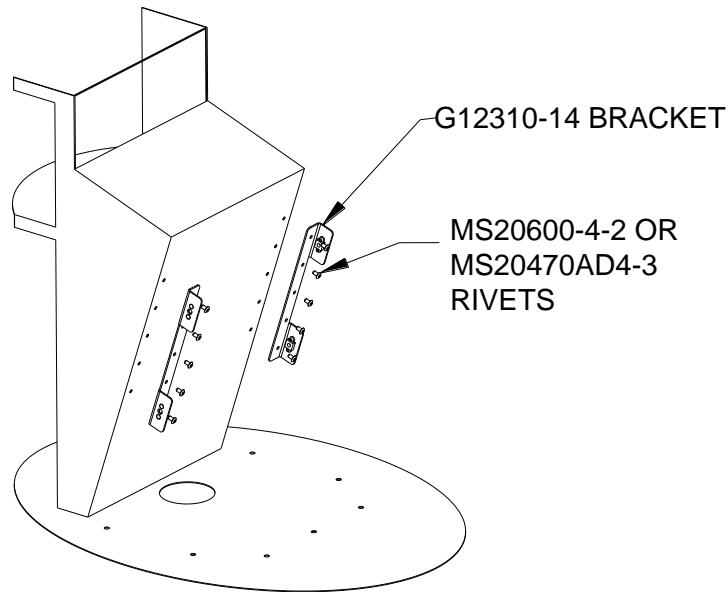


FIGURE 5

- 3.6. Close the CB door panels and Switch Plate & Overlay assembly and install screws to secure them.

- 3.7. Remove console and rivet brackets to structure using MS20600-4-2 or MS20470AD4-3 rivets.
- 3.8. Reinstall console and open CB panels. Install two #8-32 x 3/8 flat head screws on each side of console into brackets.
- 3.9. Carefully connect P1 to J1, P2 to J2, and J3 to P3 (see Figure 6). Secure connectors to prevent strain on wires and to prevent connectors from causing harm to adjacent items. Complete the installation of the console by securing cables, wires, and connectors. Close CB panels and Switch Plate Assembly and secure fasteners.

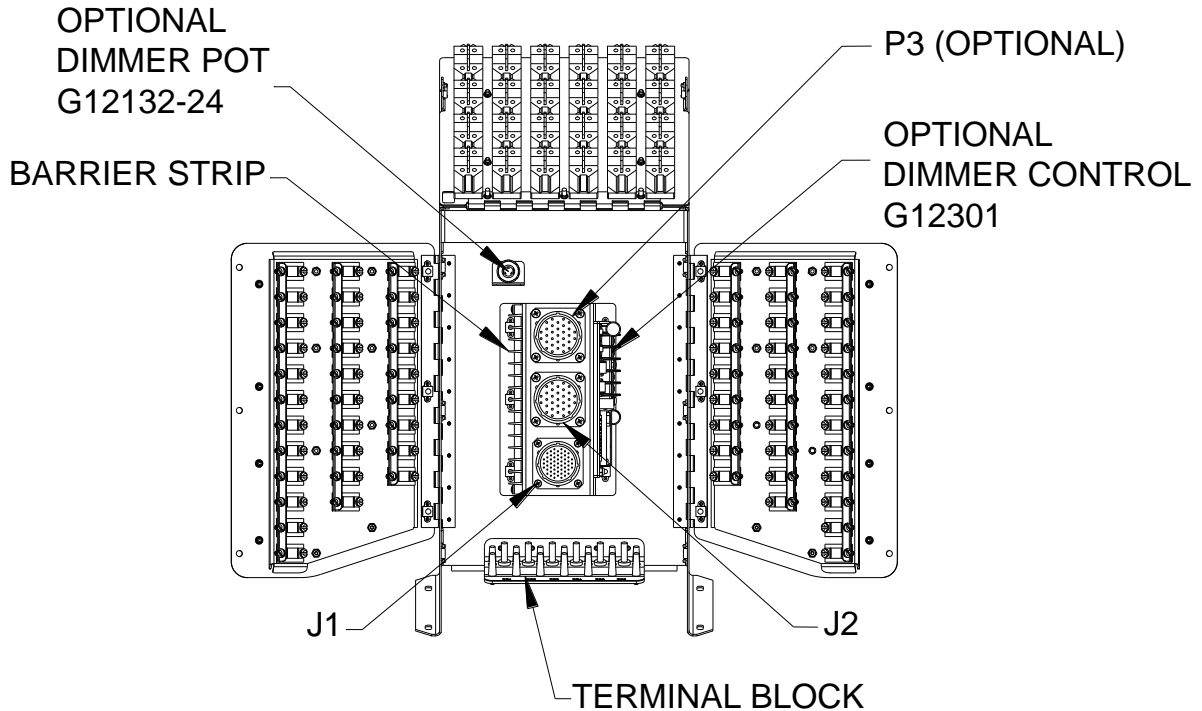


FIGURE 6

- 3.10. Reinstall collective hold-down strap.
- 3.11. Prepare the aircraft for return to service.

4.0 Functional Test Procedure

Follow the Functional Test Procedure specified in section 5.00 of GA107-6.

5.0 Return To Service

Follow the Return To Service procedure specified in section 6.00 of GA107-6.

LOG OF REVISIONS

REVISION LEVEL	DATE OF REVISION	PAGES	DESCRIPTION OF CHANGE	APPROVAL
--	1/10/03	All Pages	Initial Release	CLB
A	2/20/03	All Pages	Removed references to GA107-3 and G10251	CLB
B	05/03/2013	All	Added 1.5 & updated Section 3.0 for aircraft Post-Mod 350A07-4280 with the Muli-Bloc console	CLB
C	12/5/2014	All	Updated the format and updated company name to Eagle Copters	CLB