

STC GROUP LLC
480 RUDDIMAN DRIVE
MUSKEGON, MICHIGAN 49445



SERVICE BULLETIN NO: SB-002 REV A

TRIO PRO PILOT AUTOPILOT SYSTEM SERVO MOD 1

To: All Trio Pro Pilot™ Autopilot users
Date: April 20th, 2025
Subject: Trio Pro Pilot™ Autopilot Servo Mod 1

Certification Authorization: STC SA04230CH

STC authorization does not provide installation airworthiness approval. Separate installation airworthiness approval is required for type certificated aircraft. Notification of revision to any STC Group STC will be provided under a separate service bulletin.



1) COMPLIANCE

Optional

2) PURPOSE

This Service Bulletin is intended to provide information on an available modification to the Trio Autopilot Servo PN 3X0X0000 known as “Mod 1”. Mod 1 is an engineering change to the roll and or pitch servo that enhances the hardware utilized in the clutch and changes the Delrin frangible gear to brass thereby superseding the frangible gear design.

Note: It is possible to change the gear ONLY. If the gear is changed without clutch overhaul the servo will NOT be reserialized by Trio Avionics.

3) SERVO MOD IDENTIFICATION

1-S on the servo label located on the case of the servo identifies that the servo has mod 1 installed.

Example SN: 1-SXXXX-N

4) EQUIPMENT AFFECTED

Trio Pro Pilot Autopilot Servos Roll and Pitch

5) WARRANTY INFORMATION

Pricing

In Warranty - \$150 per servo

Out of Warranty - \$300 per servo

Shipping - \$25

Trio Avionics

1905 N Marshall Ave #6

El Cajon, CA 92020

Contact Trio Avionics or The STC Group LLC for RMA details.

Estimated Labor: 1 hour per servo for removal – 2 hours per servo for reinstallation.



6) REQUIRED ACTION

Remove and replace the Trio Pro Pilot Autopilot Servo(s) PN 3X0X0000 in accordance with The STC Group LLC Installation Instructions for your specific airframe, current revision.

Note:

The latest revision FAA Approved Trio Pro Pilot Autopilot Instructions for Continued Airworthiness Document # L-1006-02 is to be provided to the owner/operator, if not already provided.

<https://www.thestcgroupllc.com/pages/documentation>