

STC GROUP LLC  
480 RUDDIMAN DRIVE  
MUSKEGON, MICHIGAN 49445



SERVICE LETTER NO: SL-001 REV A

TRIO PRO PILOT AUTOPILOT SYSTEM SOFTWARE VERSION 220322F

To: All Trio Pro Pilot™ Autopilot users with Software Version 220322F  
Date: November 13<sup>th</sup>, 2025  
Subject: Trio Pro Pilot™ Autopilot System Software Version 220322F

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 letter.



## 1) PURPOSE

This Service Letter is intended to provide information on reported user issues for Trio Autopilots with software 220322F installed. Software version 220322F was released to improve software version 220322E and to integrate the Trio Pro Pilot™ autopilot with the Dynon HDX electronic flight information system (EFIS). Several months after the release of software version 22032F, Trio Avionics Inc. and The STC Group LLC received reports of lateral deviations in flight guidance. A small percentage of the Trio Autopilots (with 220322F software) integrated with Garmin, Aspen, and Dynon HDX EFIS units exhibited software glitches. Two independent software issues were identified in the reports: (1) momentary lateral deviations after which the autopilot would return to nominal on-course guidance and (2) intermittent failure of the autopilot to annunciate “Altitude Capture” when performing altitude select operations with the Autopilot Source select switch in the GPS position. The Company engaged in extensive testing and has isolated what it believes to be the source of these issues. These issues have only been reported on a small percentage of the units in operation. These issues are intermittent in nature. Lateral deviations of 2 – 10 degrees have been reported which have lasted several seconds and then been resolved by a return to the course guidance without pilot input. The failure to annunciate “Altitude Capture” has been reported as intermittent.

Note: No altitude capture problems have been reported with the Autopilot Source select switch in the EFIS data source position.

## 2) SOFTWARE IDENTIFICATION

The installed software version is displayed upon power-up and on the second to last page of the MAINTENANCE SETTINGS.

## 3) EQUIPMENT AFFECTED

Trio Pro Pilot Autopilot Controllers with Software Version 220322F.



#### **4) WARRANTY INFORMATION**

Trio Pro Pilot™ users who experience these or other anomalies in System Software 22032F should report the same to Jeffrey Odum at [jeff.odum@thestcgroupllc.com](mailto:jeff.odum@thestcgroupllc.com) with a detailed explanation of the observed deviation from expected normal operation. You will be added to the Notification List for the corrective action which is Trio Pro Pilot™ Autopilot System Software Version 220322G, or later version, corrects the momentary lateral deviation issue as well as the failure to annunciate “Altitude Capture” when performing altitude select operations with the Autopilot Source select switch in the GPS position. Modification of the installed software version will be completed without charge under warranty for users who have purchased an EFIS unlock using software version 220322F prior to the certification of System Software Version 220322G.

The Trio Autopilot must be removed and shipped to Trio Avionics for System Software Version 220322G, or later version, at the warranty claimant’s expense. Turnaround time is 3-5 business days, not including shipping. Trio Avionics will provide FedEx, UPS or USPS three-day return shipping at its expense. Warranty claimants should provide pre-paid self-addressed labels for expedited return shipping.

Trio Avionics  
1905 N Marshall Ave #6  
El Cajon, CA 92020

Contact Trio Avionics or The STC Group LLC for RMA details.  
Estimated Labor: 0.5 hours for removal – 1.0 hour for reinstallation.



## 5) RECOMMENDED ACTION

Pending certification and installation of system software 220322G, operators may:

1. TEMPORARY REVERSION. Operators may elect to remove and ship the Trio Pro Pilot™ to Trio Avionics for installation of FAA-approved 170708Q System Software Version, at the warranty claimant's expense. Turnaround time is 3-5 business days, not including shipping. Trio Avionics will provide FedEx, UPS or USPS three-day return shipping at its expense. Warranty claimants should provide pre-paid self-addressed labels for expedited return shipping. This option will revert the system to its former stand-alone functionality without EFIS integration and the Autopilot Source Select Switch should be placarded INOP with the switch in the GPS position. Record the placard IAW the applicable FAA regulations in the aircraft maintenance logbooks.

2. CONTINUED INTEGRATION. Those operators who have noted the lateral deviation issue should provide additional attention in their customary instrument scan to the autopilot heading hold. Operators who have noted the failure to annunciate "Altitude Capture" should select altitude changes via their EFIS unit with the source selection switch in EFIS.

### ABNORMAL PROCEDURE.

#### Autopilot Deviation

Note: No action is required but the abnormal procedure should only be completed when in stable trimmed flight.

1. Disconnect Autopilot - Press disconnect switch on pilots yoke
2. Pull Autopilot circuit breaker
3. Reset circuit breaker after waiting 5 seconds
4. Resume normal autopilot operation
5. The operator is authorized to do this procedure one time

CERTIFICATION OF PERMANENT FIX. Notification of the certification of system software 220322G will be posted at [www.thestcgroupllc.com](http://www.thestcgroupllc.com). After certification is announced, remove and replace the Trio Pro Pilot Autopilot controller with a Trio Pro Pilot™

STC GROUP LLC  
480 Ruddiman Drive  
North Muskegon, Michigan 49445



Trio Pro Pilot™ Autopilot System Software Version 220322F  
SL-001 Rev A

Autopilot controller with system software 220322G in accordance with  
The STC Group LLC Installation Instructions Document # 1006100,  
current revision.

Note:

The latest revision FAA Approved Trio Pro Pilot Autopilot Aircraft Flight  
Manual Supplement Document # L-1006-01 AFMS is to be provided to the  
owner/operator, if not already provided.

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