



STC GROUP LLC
480 RUDDIMAN DRIVE
MUSKEGON, MICHIGAN 49445



SERVICE BULLETIN NO: SB-003 REV -

TRIO PRO PILOT AUTOPILOT SYSTEM SOFTWARE VERSION 220322F

To: All Trio Pro Pilot™ Autopilot users with Software Version 220322F
Date: March 8th, 2026
Subject: Trio Pro Pilot™ Autopilot System Software Version 220322F

1) EFFECTIVITY

This Service Bulletin applies to all aircraft which have been approved per the Approved Models list under STC SA04230CH for the installation of the Trio Pro Pilot™ autopilot system.



2) PURPOSE

This Service Bulletin addresses 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). A small percentage of the Trio Autopilots (with 220322F software) integrated with Garmin, Aspen, and Dynon HDX EFIS units have been reported as exhibiting intermittent, anomalous deviations from courses or altitudes selected by the pilot or input from a GPS flight plan. Two discrete 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. In response to these reports, the Company has engaged in extensive testing and has isolated what it believes to be the source of these issues. It is noted that 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 have then been resolved by a return to the course guidance without pilot input. The failure to annunciate “Altitude Capture” has also been reported as intermittent.

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

3) SOFTWARE IDENTIFICATION

The installed software version is displayed upon power-up and on the second to last page of the MAINTENANCE SETTINGS. The issues referenced herein have only been reported in units using Software Version 220322F.

4) EQUIPMENT AFFECTED

Trio Pro Pilot Autopilot Controllers with Software Version 220322F.



5) COMPLIANCE

Compliance is recommended for aircraft with the Trio Pro Pilot™ autopilot using System Software 220322F in which the referenced anomalies have been observed. Installation of 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.

The Trio Autopilot must be removed and shipped to Trio Avionics for System Software Version 220322G, or later version. Turnaround time is 3-5 business days, not including shipping.

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6) WARRANTY

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. Warranty claimants should return the unit at claimant’s shipping expense. Within the United States and Canada, Trio Avionics will provide FedEx, UPS or USPS three-day return shipping (or equivalent) at its expense. Warranty claimants outside the United States or Canada and those seeking expedited return shipping should include a pre-paid, self-addressed label with the returned unit.