



1200 E. 151st Street
Olathe, KS 66062
913-397-8200

AVIATION SERVICE DOCUMENT NOTIFICATION

TO: GTX™ 45R Transponder/GTX 345 Series Owners and Operators
DATE: November 14, 2023
SUBJECT: GTX™ 45R/GTX 345 Series ADS-B Software Version 3.51

CERTIFICATION

AUTHORIZATION: TSO Authorization

TSO authorization does not provide installation airworthiness approval. Separate installation airworthiness approval is required for type certified aircraft. Notification of revision to any Garmin STC(s) will be provided under a separate service bulletin.

COMPLIANCE

Recommended: Compliance with TSO Service Bulletin 23076 is recommended at the next scheduled maintenance interval.

PURPOSE

GTX 45R/GTX 345 Series ADS-B Software Version 3.51 contains the following changes:

- Expanded GTX AHRS availability to all aircraft categories, including rotorcraft.
- Improved the AHRS calibration procedure and calibration validity checks.
- Corrected an issue where assert log information could not be downloaded using HSDB.
- Expanded support for flight data log retrieval using HSDB.
- Expanded support for transponder health diagnostic information to be transmitted using HSDB.
- Added TCAS II operating modes to be forwarded via HSDB for integrated traffic display support.
- Expanded support for sourcing of different sensor data for additional systems that have a pilot/copilot flight director transfer switch.
- Expanded flight data logging capability to include internal AHRS data.
- Improved the ADS-B SURF application status reporting.
- Addressed a timing issue that could result in TAS/TCAS-only targets being temporarily removed from the traffic display intermittently.
- Corrected an issue where daily NOTAM TFRs were only displayed on the first day that they were published. Daily NOTAM TFRs are now displayed until they are no longer active.
- Updated aural alert processing to use a heading-based bearing for TAS/TCAS targets. This now matches functionality for ADS-B targets and improves directional callout accuracy primarily for rotorcraft.

Please contact your local Garmin Avionics Dealer (<http://www.garmin.com/dealers/>) for additional information or for questions regarding this notification. This service notification and associated bulletin/advisory product changes can only be implemented through Garmin's authorized dealer and service center network. This document is not a substitute for and cannot be used in lieu of the document(s) referenced above for airworthiness approval.



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PRODUCTS AFFECTED

The following GTX 45R/GTX 345 series units are affected:

Table 1. Products Affected

Model	Appliance P/N
GTX 345	011-03302-0()
GTX 345 GPS	011-03302-4()
GTX 345R	011-03303-0()
GTX 345R GPS	011-03303-4()
GTX 345 NV	011-03302-2()
GTX 345 NV, GPS	011-03302-6()
GTX 345D	011-04333-00
GTX 345DR	011-04334-00
GTX 45R	011-04287-0()
GTX 45R GPS	011-04287-4()

WARRANTY INFORMATION

This modification is warranty reimbursable with a deadline of May 31, 2024.

DOCUMENTATION CONSIDERATIONS

The current revision of the GTX 3X5 Series Pilot's Guide (Garmin P/N 190-01499-00) Rev G is applicable. Pilot Guides are available at www.garmin.com/manuals.

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