GARMIN
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SERVICE ALERT

NO.: 20137 Rev B

TO: Owners/Operators of G3X Touch for Certificated Aircraft and certain GI 275 installations with EIS

DATE: May 5, 2021

REVISION B: Complete Revision

SUBJECT: Fuel Quantity Indication Error

PRODUCTS AFFECTED

All aircraft modified with G3X Touch AML STC SA01899WI, MDL Revision 9 or earlier, with an interface to resistive fuel quantity probes are affected.

Aircraft that are not affected:

- Aircraft modified in accordance with G3X Touch STC SA01899WI, MDL Revision 10 or later
- Aircraft that have complied with Garmin STC Service Bulletin 2134
- Aircraft without fuel quantity gauges displayed on the G3X Touch
- Aircraft without a resistive probe interface (e.g. all CiES probes or Signal Conditioners)

All aircraft modified with GI 275 Multi-Function Instrument AML STC SA02658SE, MDL Revision 9 or earlier, with a GEA 24 EIS interface to resistive fuel probes are also affected.

Aircraft that are not affected:

- Aircraft modified in accordance with GI 275 STC SA02658SE, MDL Revision 10 or later
- Aircraft that have complied with Garmin STC Service Bulletin 2135
- Aircraft using GEA 110(s)
- Aircraft without fuel quantity gauges displayed on the GI 275
- Aircraft without a resistive probe interface (e.g. all CiES probes or Signal Conditioners)

ISSUE

The G3X Touch fuel quantity gauges may provide erroneous indications when (1) interfaced to resistive fuel probes and (2) the GEA 24 is subject to significantly hotter or colder temperatures than the temperature at which the fuel gauges were calibrated during installation.

The GI 275 fuel quantity gauges may provide erroneous indications when (1) interfaced to a GEA 24 with resistive fuel probes and (2) the GEA 24 unit is subject to significantly hotter or colder temperatures than the temperature at which the fuel gauges were calibrated during installation.

PILOT ACTION

Do not rely on G3X Touch or GI 275 fuel quantity gauges.

WARNING

Always use thorough fuel planning for each leg of the flight. Visually inspect the fuel on board prior to take-off for fuel management and flight planning to ensure adequate reserves. Refer to the aircraft POH or AFM for performance information.

RESOLUTION

This problem has been resolved for the products listed in the Products Affected section of this Service Alert. Refer to the Aviation Service Document Notifications below.

https://www.garmin.com/en-US/aviationalerts/modification-of-gea-24-resistive-fuel-probe-interface-gi275/

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Contact your local Garmin dealer