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SERVICE ADVISORY

NO.: 22019 Rev A

TO: G500/G600 TXi Engine Indication Systems (EIS) Owners and Operators
DATE: February 1, 2022
SUBJECT: Manifold Pressure Markings

PRODUCTS AFFECTED

Garmin G500/G600 TXi display systems with the following are affected:

- G500/G600 TXi software versions 3.02 through 3.22
- Installed on aircraft that has two piston engines
- TXi Engine Indication System (EIS) is installed
- Engines have manifold pressure markings that vary based on engine speed
- Optional TXi 'dynamic' manifold pressure gauge markings are configured to automatically adjust with engine speed

Do the following to confirm applicability:

1. Perform a normal runup with both engines above 2100 RPM.
2. Slowly reduce the speed of *only the left engine* and observe the markings on the manifold pressure gauges.

If the *left and right* manifold pressure gauge markings change simultaneously, this Service Advisory applies.

If *only the left* manifold pressure gauge marking changes, this Service Advisory does not apply.

If *no change* to either manifold pressure gauge marking, this Service Advisory does not apply.

ISSUE

The left engine's RPM is used to automatically adjust the manifold pressure markings for both engines. When the engine speeds are not synchronized, the right engine's manifold pressure marking may be erroneous.



NOTE

The indicated manifold pressures are correct and unaffected by this marking behavior.

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ACTION

Use the manifold pressure value to maintain the POH, AFM, or placarded limits. Do not rely on markings or annunciations.

RESOLUTION

This issue was fixed in TXi software version 3.30. Refer to Garmin Service Bulletin 2174.