



Document Title	Evolution Autopilot High and Low Speed Protection
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Subject: Lancair Evolution Autopilot High and Low Speed protection for aircraft equipped with G900x operating with 0718-14 software.

Status: Service Advisory

Description:

The G900x with GFC7x autopilot using 0718-14 software includes changed set points for maximum and minimum speed. The G900x software version is displayed after the turn-on is complete. Leave the MFD on the splash screen. The system software is displayed in the upper right hand corner of the screen.

With prior software versions, the autopilot would pitch up to ensure the aircraft speed remained below 230 KIAS. With system software version 0718-14, the set point for maximum speed is 256 KIAS (Vne). Consequently, without proper pilot intervention, the autopilot could allow the airspeed in an aggressive descent to achieve Vne.

With prior software versions, the autopilot would pitch down to ensure the aircraft remained above 100 KIAS. With software 0718-14, the set point for minimum speed is 85 KIAS. Consequently, without pilot intervention, the autopilot could allow the aircraft to slow to 85 KIAS.

Pilot Action:

The aircraft should not be operated above 230 KIAS or below 100 KIAS with the autopilot engaged. As always, the pilot is responsible for operating the aircraft within the appropriate airspeed envelope.

Resolution:

Garmin plans a future software update to address this issue.