

GULFSTREAM G650ER Model Guide

The GULFSTREAM G650ER is a turbofan business jet in the Gulfstream GVI family. Registry data for the GVI family shows up to 7000 nm range, up to 488 kt cruise, up to 51000 ft ceiling and up to 24 passengers. The supplied documents give no G650ER-specific performance figures, so this guide focuses on flight-control service items to check before purchase.

KEY TAKEAWAYS

- GVI family registry data shows up to 7000 nm range and 488 kt cruise; confirm G650ER figures in the flight manual.
- ASC 069 updates 16 flight-control REUs from Label 34 to Label 35 software, about 386 labor-hours, serial numbers 6001-6274.
- ASC 069 was free for 36 months from its September 28, 2017 release if done at an approved facility; after that it is billable.
- A blue FCS Maintenance Required CAS message must be cleared or resolved before takeoff.

SAFETY NOTES

- Pulling flight control circuit breakers in flight is prohibited and can result in loss of airplane control.
- Corrective action for the FCS Maintenance Required CAS message must be performed prior to takeoff.
- If the CAS message reverts to amber FCS Maintenance Required, takeoff is prohibited.

ASC 069: REU SOFTWARE UPDATE

Updates the PFCAS Remote Electronics Units to Label 35 software. Serial numbers 6001-6164 need ASC 037 (FCC software update) or equivalent first. ASC 092 and 097 are recommended at the same time. Only Parker Hannifin authorized technicians do the REU update, at approved Gulfstream facilities. Weight change is about 0.0 lb. No flight manual revision is required.

FCS MAINTENANCE REQUIRED MESSAGE

AFM Supplement G650ER-2018-01 applies to serial number 6001 and subsequent, and attaches to the AFM dated October 02, 2014. It adds a pre-start check that the blue message is not displayed. The cause may be a flight control maintenance need or an REU communications failure. On the ground, reset, then pull the FCC 1A breaker. If the message turns amber, takeoff is prohibited. If it stays blue, log it and dispatch per the MEL.