

**State of Israel  
Ministry of Transport  
Civil Aviation Authority**

Ref. SharDoc No. 63177710

**AD 27-10-12-29  
Date: Jan. 4, 2011**

**AIRWORTHINESS DIRECTIVE**

This Airworthiness Directive, issued by the Civil Aviation Authority in accordance with the Israeli Air Navigation Regulations applies to an aircraft for which our records list you as the registered owner. It affects aviation safety and requires your immediate attention. No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with that Directive.

- APPLIES TO:** GALP model G150 aircraft serial numbers 201 through 286 certificated in any category.
- SUBJECT:** One-time detailed inspection of the aileron servo actuators centering spring rod to verify the rod integrity.
- REASON:** A broken aileron servo actuator centering spring rod was discovered on a model G100 aircraft during a routine scheduled maintenance inspection. This centering spring rod is common to all Gulfstream Mid Cabin model (G100, G150 and G200) aileron control servo actuators  
The function of the centering spring rod is to maintain the affected servo actuator and its associated flight control surface in a centered position in the event of a disconnect of the normal mechanical control system input from the flight crew to the same servo actuator. This latent failure of a centering spring rod, if not detected and corrected, in conjunction with the disconnection of the normal mechanical control system of the same servo actuator would lead to loss a control of the aileron. This condition would reduce the control capability of the airplane and imposes a higher workload on the flight crew reducing their ability to cope with adverse operating conditions.
- ACTION:** Inspect the aileron servo actuators spring rod per Gulfstream Service Bulletin No. 150-27-123.  
Accomplishment of the one-time inspection requirements of this AD does not cancel the repetitive inspection required by Instructions for Continued Airworthiness.
- COMPLIANCE:** Unless already accomplished, comply with this AD at the next suitable planned maintenance inspection within the next 12 months from the effective date of this AD
- EFFECTIVE DATE:** January 30, 2011.
- FOR FURTHER INFORMATION CONTACT:** Mr. Reuven OFIR, Engineering Branch, CAAI  
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