

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

**AD 29-07-01-11
Date: May 28, 2007**

AIRWORTHINESS DIRECTIVE

This Airworthiness Directive, issued by the Civil Aviation Authority in accordance with the Israel Aviation 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:** Gulfstream Aerospace L.P. Models GALAXY and G200 aircraft, serial numbers 004 through 156, certificated in any category.
- SUBJECT:** Visual inspection of hydraulic lines and attaching blocks for damage and wear. Replacement of existing blocks made of Teflon to new blocks made of Nylon 6/6. The blocks are installed in the R.H. aft fuselage equipment bay.
- REASON:** The 3 supporting blocks were made of Teflon, which is unsuitable material for this application. Excessive wear of the blocks was discovered on numerous aircraft, as well as several cases of chafing between the loosely supported tubes. In one case, hydraulic fluid was lost due to fatigue failure of an inadequately supported tube. Loss of hydraulic fluid causes subsequent multiple failures of hydraulically operated systems.
- ACTIONS:** 1. Unless previously accomplished within 300 Flight Hours (FH) or six months prior to the effective date of this AD, perform one time visual inspection for wear of the clamping blocks shown in Gulfstream Service Bulletin No. 200-29-316, Detail B, Fig. 2, or in the G200 Illustrated Parts Catalog (IPC), Chapter 29-10-30, Fig. 10, Page 0, details B and C. If the hydraulic tubes are loose, as a result of wear of the clamping blocks, check them along their entire length for chafing and cracks. Chafed, damaged or cracked tubes must be replaced. Worn clamping blocks must be replaced per ACTION 2, below.

NOTE: If Nylon 6/6 Clamping Blocks P/N 4AS3565055-511 are not available, Teflon Clamping Blocks P/N 4AS3565055-507 may be temporarily installed. These Teflon Clamping Blocks must be inspected as detailed above every 300 FH or six months, whichever comes first, and replaced in accordance with ACTION 2, below, at the compliance time indicated hereinafter.

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2. Unless previously accomplished, replace the existing Teflon Clamping Blocks P/N 4AS3565 055-507 by Nylon 6/6 Clamping Blocks P/N 4AS3565-055-511 in accordance with Gulfstream Mandatory Service Bulletin No. 200-29-316 issue NEW or later approved revision thereof.

NOTE: Accomplishment of ACTION 2 constitutes terminating action for this AD. Succeeding scheduled maintenance checks of this area to be performed per Aircraft Maintenance Manual (AMM).

COMPLIANCE: ACTION1- Visual inspection:
Compliance is required no later than 50 Flight Hours or one month after the effective date of this AD, whichever comes first.

ACTION 2 - Teflon Blocks replacement:
Compliance is required no later than 600 Flight Hours or one year, whichever comes first, after the effective date of this AD.

EFFECTIVE DATE: June 11, 2007

FOR FURTHER INFORMATION CONTACT: Mr. Nathan Kletshevsky, Engineering and Manufacturing Branch, CAAI - P.O.Box 8, Ben-Gurion Airport, Israel 70150.
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