

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

**AD 57-10-06-18
Date: July 27, 2010**

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: Israel Aircraft Industries Models GALAXY and Gulfstream 200 aircraft serial numbers 219 through 231 certificated in any category.

SUBJECT: Inspection and replacement of cracked nuts in specific area.

REASON: Cracked nuts (P/N MS-21042L3) were found on aircraft's production line during routine post assembly inspection. Investigation revealed that the cracks resulted from hydrogen embrittlement combined with high hardness. Non-conformity with certified mechanical properties of this fastener can potentially lead to an unsafe condition.

ACTION: Perform one time radiographic inspection according to Service Bulletin SB 200-51-366 to detect and replace cracked nuts.

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: August 15, 2010

FOR FURTHER INFORMATION CONTACT: Mr Boaz Keren, Engineering Branch, CAAI, P.O.Box 8, Ben-Gurion Airport, Israel 70150.
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