

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

**AD 32-03-10-05 R1
Date: February 8, 2004**

AIRWORTHINESS DIRECTIVE

This Airworthiness Directive, issued by the Civil Aviation Administration in accordance with the Israeli 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 LP (GALP) Models **1125 ASTRA, ASTRA SPX** and **G100** aircraft serial numbers **004, 011 thru 147, 149** certificated in any category.

SUBJECT: Inspection of Nose Wheel Steering Brackets and Centering Spring

NOTE: This revision supersedes AD 32-03-10-05. The visual inspection requirements of the original AD are replaced by NDT requirements. Aircraft visually inspected in compliance with the original issue of the AD must be re-inspected as stated below.

REASON: Damage to the nose wheel steering brackets resulting in shimmy and loss of steering control. Evaluation of the failed steering brackets has determined that the likely cause for these failures has been excessive torsional forces applied to the steering assembly.

ACTION: Unless already accomplished, perform a one time Eddy-Current/Liquid Penetrant inspections of the upper and lower steering brackets for cracks and of the nose centering spring for freedom of movement in accordance with Revision 1 or a later approved revision of **Gulfstream Alert Service Bulletin (A.S.B.) No. 100-32A-275**.
Replace cracked brackets in accordance with the Revision 8, including Temporary Revision 32-14, or a later one to the G100 Aircraft Maintenance Manual, Chapters No.12, 20, 32, 51.
Report inspection findings to Gulfstream Aerospace in accordance with the A.S.B.

COMPLIANCE: Compliance with this AD is required within 50 flight hours or 25 landings whichever comes first, after the effective date of this AD.

EFFECTIVE DATE: **February 29, 2004**

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