

State of Israel
Ministry of Transport
Civil Aviation Administration

AD 55-07-06-07R1
Date: June 26, 2007

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 through 158 certificated in any category.

SUBJECT: Inspection and replacement of horizontal stabilizer upper scissor fitting attachment Bolts.
Revision 1 of this AD supersedes the original issue.
The complete text is revised as well as the compliance requirements.

REASON: Two of the fasteners used to attach the "scissors" to the horizontal and the vertical stabilizers were found broken during routine maintenance. The highest loads on the "scissors" occur when using high reverse thrust. Therefore the reverse thrust must be limited to idle in order to keep the loads at a sufficiently low level to preclude any structural problem. – It was established that on model **1125 Astra**, alternate fasteners of inferior strength were sometimes installed. When the originally specified fasteners are installed, the limitations on reverse thrust used may be lifted. For models **Astra SPX** and **G100**, however the **limitation remains in effect** till further revision of this AD

ACTION: 1. Limit the normal use of reverse thrust to **IDLE** in accordance with the following Airplane Flight Manual (AFM) Temporary revisions (TR):
1125 Astra AFM: TR No. 15
Astra SPX AFM: TR No. 8
G100 AFM: TR No. 1

Use of up to full reverse thrust is allowed only when deemed necessary to prevent runway overrun.

Use of reverse thrust above idle must be reported to the ground crew. The "scissors" and its attachment fasteners must be checked before next flight in accordance with Part A of Gulfstream Alert Service Bulletin No. 100-55A-293 whenever reverse thrust above idle is used.

Israeli AD

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

AD 55-07-06-07R1

2. For **all models**, inspect the attachment bolts and replace damaged ones according to Part A of Gulfstream Mandatory Alert Service Bulletin (ASB) No. 100-55A-293 Rev. NEW or later approved revision thereof.
Report findings to Gulfstream as required therein.

3. On model **1125 Astra** (S/Nos. 004, 011-072, 073-078), replace all AN173C11 bolts as detailed on Part B of Gulfstream ASB No.100-55A-293 and report the findings to Gulfstream as required.
NOTE: Accomplishment of Part B of this ASB constitutes terminating action for ACTION 1 of this AD. TR No. 15 may be deleted and unlimited use of reverse thrust is allowed per AFM.

CAUTION: Reverse thrust limitations remain in effect for models Astra SPX and G100.

COMPLIANCE:

ACTION 1: Compliance is immediate on receipt of this AD.
Flight crews must be notified to amend their AFM by inserting the applicable TR or a copy of this AD revision.

ACTION 2: Compliance is required within 25 Flight Hours (FH) or 30 days, whichever comes first, after the effective date of this AD.

ACTION 3: Compliance is required within 12 months after the effective date of this revision.

NOTE: After compliance with the requirements of this AD revision, inspect the "Scissors" and attachment fasteners per Aircraft Maintenance Manual.

EFFECTIVE DATE: July 10, 2007.

FOR FURTHER INFORMATION CONTACT: Mr. Nathan Kletshevsky, Engineering and Manufacturing Branch, CAAI - P.O.Box 8, Ben-Gurion Airport, Israel 70150.
Telephone: 972-3-9774539, Fax: 972-3-9774592, e-mail: kletshn@mot.gov.il