

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number ST00991CH

This certificate issued to
Pentastar Aviation, LLC.
7002 Highland Road
Waterford, MI 48327

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 4b of the Civil Air Regulations.

Original Product--Type Certificate Number: A12EA
Make: Gulfstream
Model: G-1159; G-1159A; G-1159B

Description of Type Design Change:

Installation of a Honeywell Mark VII Enhanced Ground Proximity Warning System with terrain display interface in accordance with Pentastar Aviation Top Level Report No. 99TL-001, Revision C, dated March 1, 2004, or Daimler Chrysler Aviation Report No. 99TL-001, Revision A, dated August 22, 2000, or later FAA approved revisions of these documents.

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) FAA approved Airplane Flight Manual Supplement, DaimlerChrysler Aviation Document No. 99AFM-001, No Revision, dated February 09, 1999, or later FAA approved revision, is required on board aircraft modified in accordance with DaimlerChrysler Aviation Report No. 99ER-001, No Revision, dated January 09, 1999, or later FAA approved revision.
- 3) FAA approved Airplane Flight Manual Supplement, DaimlerChrysler Aviation Document No. Y2AFM-033, No Revision, dated September 29, 2000, or later FAA approved revision, is required on board aircraft modified in accordance with DaimlerChrysler Aviation Report No. Y2ER-011, No Revision, dated August 22, 2000, or later FAA approved revision.
- 4) FAA approved Airplane Flight Manual Supplement, Pentastar Aviation Document No. 03AFM-021, No Revision, dated March 01, 2004, or later FAA approved revision, is required on board aircraft modified in accordance with Pentastar Aviation Report No. 03ER-008, Revision A, dated March 1, 2004, or later FAA approved revision.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: January 14, 1999

Date reissued: December 1, 2003

Date of issuance: February 09, 1999

Date amended: September 29, 2000; March 16, 2004;
May 16, 2005



By direction of the Administrator

(Signature)

Charles L. Smalley
Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

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Supplemental Type Certificate
(Continuation Sheet)

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Date of Issuance: May 16, 2005

Limitations and Conditions (Cont'd.):

- 5) FAA approved Airplane Flight Manual Supplement, Pentastar Aviation Document No. 04AFM-021, Initial Revision, approved May 16, 2005, or later FAA approved revision, is required on board aircraft modified in accordance with Pentastar Aviation Report No. 04ER-006, Revision A, dated May 9, 2005, or later FAA approved revision.
- 6) If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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