



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division

Airport Ruzyně, 160 08 Prague 6  
Tel: 420 2 33320922, fax: 420 2 20562270

## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-040/2004**

Replaces CAA-AD-056/2003

Date of issue: April 27, 2004

**Goodrich Avionics Systems  
TAWS8000**

### APPLIANCE - TERRAIN AWARENESS WARNING SYSTEM - INSPECTION/REPLACEMENT

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**Applicability:** all airplane models and serial numbers, certificated in any category, that incorporate a Goodrich TAWS8000 terrain awareness warning system (TAWS), part number (P/N) 805- 18000-001, with "Mod None", "Mod A", or "Mod B" hardware installed. This list of airplanes that have the TAWS8000 TWAS installed includes, but is not limited to, the following airplanes. Airplanes that are not in this list and have the TAWS installed through field approval or other methods are still affected by this AD:

Company	Models
Cessna Aircraft Company	421, 500, 501, 525, 525A, 550, 551, 650, and S550
DASSAULT AVIATION	Mystere-Falcon 20 series
Gulfstream Aerospace LP	1125 Westwind Astra
Raytheon Aircraft Company	100, 200, 300, 400A, and F90
Sabreliner Corporation	NA-265
The New Piper Aircraft Inc	PA-42-1000

**Effective date:** June 10, 2004

**Compliance:** Required as indicated FAA AD 2004-08-15.

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*Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.*

**Ing. Pavel MATOUŠEK**  
**Director**

**2004-08-15 Goodrich Avionics Systems, Inc.:** Amendment 39-13584; Docket No. 2003-CE-47-AD; Supersedes AD 2003-13-08, Amendment 39- 13208.

*When Does This AD Become Effective?*

(a) This AD becomes effective on June 7, 2004.

*What Other ADs Are Affected By This Action?*

(b) This AD supersedes AD 2003-13-08.

*What Airplanes Are Affected by This AD?*

(c) This AD affects all airplane models and serial numbers, certificated in any category, that incorporate a Goodrich TAWS8000 terrain awareness warning system (TAWS), part number (P/N) 805- 18000-001, with "Mod None", "Mod A", or "Mod B" hardware installed. This list of airplanes that have the TAWS8000 TWAS installed includes, but is not limited to, the following airplanes. Airplanes that are not in this list and have the TAWS installed through field approval or other methods are still affected by this AD:

Company	Models
Cessna Aircraft Company DASSAULT AVIATION Gulfstream Aerospace LP Raytheon Aircraft Company Sabreliner Corporation The New Piper Aircraft Inc	421, 500, 501, 525, 525A, 550, 551, 650, and S550 Mystere-Falcon 20 series 1125 Westwind Astra 100, 200, 300, 400A, and F90 NA-265 PA-42-1000

*What Is the Unsafe Condition Presented in This AD?*

(d) The actions specified by this AD are intended to prevent the loading of the baro set potentiometer, which could result in an unacceptable altitude error. This condition could cause the pilot to make flight decisions that put the airplane in unsafe flight conditions.

*What Must I Do To Address This Problem?*

(e) To address this problem, you must do the following:

Actions	Compliance	Procedures
(1) Inspect the TAWS8000 TAWS (part number 805-18000-001 that incorporates hardware "Mod None", "Mod A", or "Mod B") installation to determine if both the TAWS8000 TAWS and any other device are connected to the same baro set potentiometer.	Within the next 5 hours time-in-service (TIS) after July 21, 2003 (the effective date of AD 2003-13-08), unless already done.	Follow Goodrich Avionics Systems, Inc. Service Memo SM #134, dated May 2, 2003, or Goodrich Avionics Systems, Inc. Service Memo SM #134, revised July 9, 2003, and the applicable installation manual.
(2) If both the TAWS8000 TAWS and any other device are connected to the same baro set potentiometer, remove the TAWS8000 TAWS and cap and stow the connecting wires or replace the TAWS8000 TAWS unit with a unit that incorporates hardware "Mod C".	Before further flight after the inspection required in paragraph (d)(1) of this AD.	For removing the TAWS8000 TAWS, follow Goodrich Avionics Systems, Inc. Service Memo SM #134, dated May 2, 2003, or Goodrich Avionics Systems, Inc. Service Memo SM #134, revised July 9, 2003, and the applicable installation manual. For replacing the TAWS8000 TAWS, follow Goodrich Avionics Systems, Inc. Alert Service Bulletin SB #A117, dated July 9,

		2003.
(3) Do not install or reconfigure any TAWS8000 TAWS (part number 805-18000-001) that does not incorporate hardware "Mod C".	As of June 7, 2004 (the effective date of this AD).	Not Applicable.

*May I Request an Alternative Method of Compliance?*

(f) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19.

(1) Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Chicago Aircraft Certification Office (ACO), FAA. For information on any already approved alternative methods of compliance, contact Brenda S. Ocker, Aerospace Engineer, FAA, Chicago Aircraft Certification Office, 2300 East Devon Avenue, Des Plaines, Illinois 60018; telephone: (847) 294-7126; facsimile: (847) 294-7834.

(2) Alternative methods of compliance approved under AD 2003-13-08, which is superseded by this AD, are approved as alternative methods of compliance with this AD.

*Does This AD Incorporate Any Material by Reference?*

(g) You must do the actions required by this AD following the instructions in Goodrich Avionics Systems, Inc. Service Memo SM 134, dated May 2, 2003; Goodrich Avionics Systems, Inc. Service Memo SM 134, revised July 9, 2003; and Goodrich Avionics Systems, Inc. Alert Service Bulletin SB A117, dated July 9, 2003.

(1) On July 21, 2003 (68 FR 38586, June 30, 2003), and in accordance with 5 U.S.C. 552(a) and 1 CFR part 51, the Director of the Federal Register approved the incorporation by reference of Goodrich Avionics Systems, Inc. Service Memo SM 134, dated May 2, 2003.

(2) As of June 7, 2004, and in accordance with 5 U.S.C. 552(a) and 1 CFR part 51, the Director of the Federal Register approved the incorporation by reference of Goodrich Avionics Systems, Inc. Service Memo SM 134, revised July 9, 2003; and Goodrich Avionics Systems, Inc. Alert Service Bulletin SB A117, dated July 9, 2003.

(3) You may get a copy from Goodrich Avionics Systems, Inc., 5353 52nd Street, SE., Grand Rapids, Michigan 49512-9704; telephone: (616) 949-6600; facsimile: (616) 977-6898. You may review copies at FAA, Central Region, Office of the Regional Counsel, 901 Locust, Room 506, Kansas City, Missouri 64106; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

**Footer Information**

Issued in Kansas City, Missouri, on April 13, 2004.

James E. Jackson,

Acting Manager, Small Airplane Directorate,

Aircraft Certification Service.

[FR Doc. 04-8792 Filed 4-20-04; 8:45 am]

BILLING CODE 4910-13-P