



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division

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AIRWORTHINESS DIRECTIVE

Number: CAA-AD-043/2004

Date of issue: April 30, 2004

**NARCO AVIONICS Inc.
AT150**

APPLIANCE - TRANSPONDER MOD S - INSPECTION/REPLACEMENT

Applicability: NARCO Avionics Inc. AT150 transponders with "Chassis Level A", serial numbers (SNs) 10000 through 12598 inclusive.

Effective date: June 10, 2004

Compliance: Required as indicated FAA AD 2004-08-16.

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

Effective Date

(a) This AD becomes effective June 1, 2004.

Affected ADs

(b) None.

Applicability

(c) This AD applies to NARCO Avionics Inc. AT150 transponders with "Chassis Level A", serial numbers (SNs) 10000 through 12598 inclusive.

Unsafe Condition

(d) This AD results from reports of AT150 transponders not recognizing and responding properly to Mode S interrogations from Mode S ground stations and Traffic Alert and Collision Avoidance System (TCAS-II) airborne equipment. The actions specified in this AD are intended to prevent loss of aircraft airspace separation and the possibility of mid-air collision.

Compliance

(e) Compliance with this AD is required as indicated, unless already done.

Transponders Not Modified in Accordance With Service Bulletin AT150 No. 1

(f) For AT150 transponders with a SN listed in this AD that are not modified in accordance with NARCO service bulletin (SB) No. AT150 No. 1, dated July 29, 1977, within six months after the effective date of this AD, do the following:

- (1) Install resistor part number (P/N) 312180102 and transistor P/N 755610028; and
- (2) Change transponder to "Chassis Level B"; and
- (3) Test transponders in accordance with the Corrective Action, Testing the Modification, and Return to Service paragraphs of NARCO SB No. AT150 No. 6, dated January 31, 2003.

Transponders Modified in Accordance With Service Bulletin AT150 No. 1

(g) For AT150 transponders with a SN listed in this AD, that are modified in accordance with NARCO SB No. AT150 No. 1, dated July 29, 1977, do the following:

- (1) Within six months after the effective date of this AD, change transponder to "Chassis Level B"; and
- (2) Test transponders in accordance with the Testing the Modification paragraph of NARCO SB No. AT150 No. 6, dated January 31, 2003; and
- (3) Perform a bench test to the transponder before returning it to service. Information on bench testing can be found in AT150 Manual P/N 03606-0600.

Alternative Methods of Compliance

(h) The Manager, New York Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Material Incorporated by Reference

(i) You must use NARCO SB No. AT150 No. 6, dated January 31, 2003, to perform the testing required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You can get a copy from NARCO Avionics Inc., 270 Commerce Drive, Fort Washington, PA 19034; telephone (215) 643-2905; fax (215) 643-0197. You can review copies at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

Related Information

(j) None.

▼ Footer Information

Issued in Burlington, Massachusetts, on April 16, 2004.

Robert Guyotte,

Acting Manager, Engine and Propeller Directorate,

Aircraft Certification Service.

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