



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division

Airport Ruzyně, 160 08 Prague 6
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AIRWORTHINESS DIRECTIVE

Number: CAA-AD-118/2004

Date of issue: December 10, 2004

HAMILTON SUNDSTRAND
T-62T-46C12, T-62T-40C14 (APS 500R)

This AD has been issued in accordance with Decision No.: 2/2003 of the Executive Director of the EASA (ADs issued by the state of design are automatically adopted in EU member states).

APPLIANCE - AUXILIARY POWER UNITS - FUEL FILTER HOUSING ASSEMBLIES - INSPECTION/MODIFICATION

Applicability: Hamilton Sundstrand Power Systems Models T-62T-46C12 and T-62T-40C14 (APS 500R) auxiliary power units (APUs) with fuel filter housing assemblies, part numbers (P/Ns) 4951627, 4951960, or 4952039, installed. These APUs are installed on, but not limited to, Bombardier DHC-8-400 airplanes and Empresa Brasileira de Aeronautica S.A. (EMBRAER) EMB-135 and -145 series airplanes.

Effective date: January 20, 2005

Compliance: Required as indicated FAA AD 2004-24-03

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

2004-24-03 Hamilton Sundstrand Power Systems: Amendment 39-13879. Docket No. 2003-NE-61-AD.

Effective Date

(a) This AD becomes effective January 3, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Hamilton Sundstrand Power Systems Models T-62T-46C12 and T-62T-40C14 (APS 500R) auxiliary power units (APUs) with fuel filter housing assemblies, part numbers (P/Ns) 4951627, 4951960, or 4952039, installed. These APUs are installed on, but not limited to, Bombardier DHC-8-400 airplanes and Empresa Brasileira de Aeronautica S.A. (EMBRAER) EMB-135 and -145 series airplanes.

Unsafe Condition

(d) This AD results from reports of leaks caused by cracked bypass buttons that protruded beyond the o-ring seal. We are issuing this AD to prevent a fire or explosion caused by a fuel leak from a failed bypass button on the fuel filter.

Compliance

(e) You are responsible for having the actions required by this AD performed within 500 hours time-in-service or 6 months after the effective date of this AD, whichever occurs earlier, unless the actions have already been done.

Installation of Bracket on APU Model T-62T-46C12

(f) Install a bracket onto the fuel filter housing assembly on APU Model T-62T-46C12. Use 2.A through 2.D of the Accomplishment Instructions of Hamilton Sundstrand Alert Service Bulletin (ASB) No. ASB-4503067-49-9, dated December 2, 2003, to install the bracket.

Installation of Bracket on APU Model T-62T-40C14 (APS 500R)

(g) Install a bracket onto the fuel filter housing assembly on APU Model T-62T-40C14 (APS 500R). Use 2.B. and 2.D.(1) of the Accomplishment Instructions of Hamilton Sundstrand ASB No. ASB- 4504112-49-22, Revision 2, dated October 4, 2004, to install the bracket.

Previous Credit

(h) Previous credit is allowed for brackets installed using Hamilton Sundstrand ASB No. ASB-4503067-49-9, dated December 2, 2003, Hamilton Sundstrand ASB No. ASB-4504112-49-22, Original, dated December 2, 2003, or Revision 1, dated January 5, 2004, before the effective date of this AD.

One-Time Inspection for Proper Gap

(i) For brackets previously installed using Hamilton Sundstrand ASB No. ASB-4504112-49-22, Original, dated December 2, 2003, perform a one-time inspection for proper gap and if necessary, adjust the gap between the bracket and bypass button. Use 2.B. and 2.D.(1) of the Accomplishment Instructions of Hamilton Sundstrand ASB No. ASB-4504112-49-22, Revision 2, dated October 4, 2004 to inspect and adjust the gap.

Optional Terminating Action for APU Model T-62T-40C14 (APS 500R)

(j) For APU Model T-62T-40C14 (APS 500R), installation of a part number fuel filter assembly that is not listed in this AD constitutes optional terminating action to the requirements of this AD.

Alternative Methods of Compliance

(k) The Manager, Los Angeles 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

(l) You must use the Alert Service Bulletins listed in Table 1 of this AD to perform the bracket installations required by this AD. The Director of the Federal Register approved the incorporation by reference of the documents listed in Table 1 of this AD in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You can get a copy from Hamilton Sundstrand Technical Publications Department, P.O. Box 7002, Rockford, IL 61125-7002, U.S.A. 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 National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html

Table 1 follows:

Table 1.--Incorporation by Reference

Alert service bulletin No.	Page number(s) shown on the page	Revision level shown on the page	Date shown on the page
Hamilton Sundstrand ASB-4503067-49-9	All	Original	December 2, 2003.
Hamilton Sundstrand ASB-4504112-49-22	All	2	October 4, 2004.

Related Information

(m) None.

▼ Footer Information

Issued in Burlington, Massachusetts, on November 15, 2004.

Jay J. Pardee,

Manager, Engine and Propeller Directorate,
Aircraft Certification Service.

[FR Doc. 04-25792 Filed 11-24-04; 8:45 am]

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