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No. CF-95-06

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

CF-95-06 DE HAVILLAND

Applies to de Havilland Inc. DHC-8 aircraft, Models 102, 103 and 106, serial numbers 003 and subsequent, with Safe Flight stall warning computers part number (P/N) 3605-4, -5 or -6 installed.

Compliance is required as indicated.

During an "air mode" test of the stall warning system the stick shakers did not activate when tested. Investigation found that the weight-on-wheels relay contacts within the stall warning computer had become contaminated. This prevented correct logic detection of the weight-on-wheels signal, resulting in a loss of the stick shaker function.

To prevent a problem with the stall warning computers causing a loss of the stall warning stick shakers, accomplish the following:

A. Within 50 hours flight time after the effective date of this directive, unless already accomplished within the last 400 hours flight time, perform an operational test on both the No. 1 and No. 2 stall warning systems in accordance with Part III, Accomplishment Instructions, of de Havilland Service Bulletin A8-27-73, dated 25 November 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

If the stick shakers do not activate, replace the non-operational stall warning computer in accordance with the above noted service bulletin.

B. At intervals not to exceed 450 hours flight time, repeat the operational test of the No. 1 and No. 2 stall warning systems in accordance with the DHC-8 Maintenance Program PSM 1-8-7, Temporary Revision No. MRB-115, Task No. 2730/17. This temporary revision will be incorporated into the next issue of the DHC-8 Maintenance Program.

C. Amend the DHC-8 Minimum Equipment List (MEL) in accordance with Temporary Revision No. 20 of the DHC-8 Master Minimum Equipment List (MMEL), ATA Chapter 27, "FLIGHT CONTROLS", Item 27-2, "Stall Warning System" for Series 100 pre-mod 8/2072 aircraft only, as follows:

One stall warning computer may be inoperative for three flight days (Category A), provided the inoperative system is deactivated and the remaining operative system is confirmed operative in the "AIRBORNE MODE" each flight day.

This may be accomplished by including a copy of this directive in the MEL.

D. The operational test per parts A and B above may be terminated and the MEL amendment per part C above removed upon incorporation of de Havilland Modification 8/2072. De Havilland Service Bulletin 8-27-76, dated 31 October 1994, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa provides approved instructions for incorporating Modification 8/2072 on aircraft not incorporating this modification during production.

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa. Any application should be made to the appropriate regional office.

This directive becomes effective 18 May 1995.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

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