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No. CF-95-05R1

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-95-05R1 DE HAVILLAND

Applies to:

- (a) de Havilland Inc. (DHC) DHC-8 aircraft, Model 301;
- (b) de Havilland Inc. DHC-8 aircraft, Models 311, 314 and 315, equipped with outboard flap assemblies without Modification 8/2066 installed, and with part and serial numbers listed in the accompanying table; and
- (c) Spare outboard flap assemblies with part and serial numbers listed in the accompanying table.

Post-production Modification 8/2064 aircraft (serial number 370 and subsequent) are not affected unless subsequently fitted with flap assemblies listed in the accompanying table.

AFFECTED FLAP ASSEMBLIES

PART NUMBERS	SERIAL NUMBERS
85750003-013 & 85750003-014	FI205 FI210 FI216 FI221 FI224 FI230 FI232 FI234 FI236 FI238 FI240 FI242 FI244 FI246 FI248 FI250 FI252 FI254 FI256 FI257 FI259 FI261 FI262 FI264 FI266 FI267 FI269 FI271 FI272 FI274 FI276 FI278 FI279 FI281 FI283 FI284 FI286 FI288 FI290 FI291 FI293 FI295 FI296 FI298
85750003-017 & 85750003-018	FI300 FI301 FI303 FI305 FI307 FI309 FI309S FI311 FI313 FI315 FI319 FI320 FI323 FI325 FI332 FI334 FI336 FI338 FI342 FI345 FI350 FI352 FI354 FI356 FI357 FI358

Compliance is required as indicated, unless already accomplished.

Reports have shown that incorrect rivets were used during manufacture of the affected DHC-8 outboard flap assemblies. To preclude the possibility of structural failure of the flaps, this directive requires the replacement of rivets with ones of higher strength for the DHC-8 Models 311, 314 and 315 and permanent reduction in the flap extended speed, VFE , for the DHC-8 Model 301.

Accomplish Part I, Part II or Part III below, depending on the applicable product.

Part I DHC-8 Model 301

- (a) Within 30 days after the effective date of this directive, install DHC Modification 8/2498 (Wings - Outboard Flaps - Installation of Revised Airspeed Limitations Placards). DHC Service Bulletin 8-57-24 Revision A, dated 26 September 1995, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa, provides approved instructions for incorporating Modification 8/2498.

(b) On incorporation of Modification 8/2498, amend the DHC-8 Model 301 Flight Manual PSM 1-83-1A by adding Flight Manual Revision 57, dated 26 September 1995.

Part II DHC-8 Model 311, 314 and 315

(a) Within 30 days after the effective date of this directive, install DHC Modification 8/2498 (Wings - Outboard Flaps - Installation of Revised Airspeed Limitations Placards). DHC Service Bulletin 8-57-24 Revision A, dated 26 September 1995, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa, provides approved instructions for incorporating Modification 8/2498.

(b) On incorporation of Modification 8/2498, amend the applicable Flight Manual, Section 2, paragraph 2.4.1.2, to read:

"Flap extended speed (VFE): Flaps 350 130 knots IAS"

This may be accomplished by inserting a copy of this directive into the Limitations section of the applicable Flight Manual.

(c) Within 2 years after the effective date of this directive, install DHC Modification 8/2066 (Wings - Outboard Flaps - Front Spar and Top Skin Fastener Replacement). The aforementioned Service Bulletin 8-57-24 provides approved instructions for incorporating Modification 8/2066 on aircraft without this modification or Modification 8/2064 installed.

Installation of Modification 8/2066 within 30 days after the effective date of this directive negates the requirement for Modification 8/2498 in accordance with paragraphs (a) and (b) above.

(d) On incorporation of Modification 8/2066, amend the applicable Flight Manual, Section 2, paragraph 2.4.1.2, to read:

"Flap extended speed (VFE): Flaps 350 138 knots IAS"

If previously inserted, remove the copy of this directive from the applicable Flight Manual.

Part III Spare Outboard Flaps

Prior to installation on an aircraft, incorporate DHC Modification 8/2066 on affected outboard flaps. DHC Service Bulletin 8-57-24 Revision A, dated 26 September 1995, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa, provides approved instructions for incorporating Modification 8/2066.

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 the appropriate regional office.

This revision supersedes Airworthiness Directive CF-95-05 issued 24 March 1995.

This directive becomes effective 28 October 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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