



No.	CF-2008-12	1/2
Issue Date		
8 February 2008		

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.

Number: CF-2008-12

Subject: Stick Pusher Capstan Shaft Failure

Effective: 25 February 2008

Applicability: Applies to the following Bombardier Inc. CL-600 aircraft:

CL-600-1A11 (CL-600) – Serial numbers 1004 through 1085
CL-600-2A12 (CL-601) – Serial numbers 3001 through 3066
CL-600-2B16 (CL-601-3A/3R) – Serial numbers 5001 through 5194
CL-600-2B16 (CL-604) – Serial numbers 5301 through 5665

Compliance: As indicated below, unless already accomplished

Background: There have been several Stick Pusher Capstan Shaft failures causing the dormant loss or severe degradation of the stick pusher function. This directive is issued to revise the first flight of the day check of the stall protection system to detect a degradation of the stick pusher function. It also introduces a new periodic maintenance task to check the structural integrity of the stick pusher capstan shaft.

Corrective Actions: Within 30 days of the effective date of this directive accomplish the following:

Part I – Aircraft Flight Manual (AFM) Changes

1. Amend all copies of the AFM by incorporating the following applicable Temporary Revision (TR):

CL-600-1A11 (CL-600):

PSP 600 DOT	TR 600/24 dated Jan 30/07
PSP 600-1 DOT	TR 600-1/20 dated Jan 30/07

CL-600-2A12 (CL-601):

PSP 601-1A DOT	TR 601/28 dated Jan 30/07
PSP 601-1A-1 DOT	TR 601/16 dated Jan 30/07
PSP 601-1B DOT	TR 601/20 dated Jan 30/07
PSP 601-1B-1 DOT	TR 601/15 dated Jan 30/07

CL-600-2B16 (CL-601-3A/3R):

PSP 601A-1 DOT	TR 601/27 dated Jan 30/07
PSP 601A-1-1 DOT	TR 601/28 dated Jan 30/07

CL-600-2B16 (CL-604):

PSP 604-1 DOT	TR 604/22 dated Jan 30/07
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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 www.tc.gc.ca/civilaviation/communications/centre/address.asp

24-0022 (01-2005)



This AD is applicable to all Challenger 600, 601, 601-3A/3R, and 604 models. If the operator has an AFM that is not listed above, consult Bombardier Aerospace.

2. Advise all flight crews on the changes introduced through the AFM TR.

Part II - Airworthiness Limitations Change

Amend the Transport Canada approved maintenance schedule by incorporating new inspection task as introduced by the following applicable Temporary Revisions:

A/C Model	TLMC Section	Chapter 5 task No.	Status
CL - 604	5-10-40	27-35-10-101	TR 5-2-32
CL - 601 3A/3R	5-10-30	27-39-00-104	TR 5-239
CL - 601	5-10-30	27-39-00-104	TR 5-226
CL - 600	5-10-30	27-39-00-104	TR 5-138

Authorization: For Minister of Transport, Infrastructure and Communities



Derek Ferguson
Acting Chief, Continuing Airworthiness

Contact: Mr. Gordanko Jeremic, Continuing Airworthiness, Ottawa, telephone 613-952-4379, facsimile 613-996-9178 or e-mail jeremig@tc.gc.ca or any Transport Canada Centre.