



# AIRWORTHINESS DIRECTIVE

*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.*

**Number:**

CF-2016-38

**Effective Date:**

12 December 2016

**ATA:**

22

**Type Certificate:**

A-131

**Subject:**

Auto Flight – Rudder Controls – Yaw Damper Uncommanded Movement

**Applicability:**

Bombardier Inc. model CL-600-2B16 (604 variant) aeroplanes, serial numbers 5301 to 5665 and 5701 to 5911, 5913 and 5914.

**Compliance:**

Within 48 months from the effective date of this AD, unless already accomplished.

**Background:**

The AD CF-2013-22 was issued on 12 August 2013 to mandate the introduction of an emergency procedure to the Aeroplane Flight Manual to address the uncommanded rudder movement.

Since the original issue of AD CF-2013-22, Bombardier Aerospace has developed a wiring modification for the yaw damper control system to prevent uncommanded movement of the rudder.

This AD mandates the incorporation of Service Bulletins (SB) 604-22-007 and 605-22-002 as the terminating action.

**Corrective Actions:**

Incorporate modification of the wiring harness for the yaw damper in accordance with the accomplishment instructions listed in the following SBs:

Aeroplane Model	Aeroplane Serial Number	Applicable SB
CL-600-2B16 (604 Variant)	5301 through 5665	604-22-007, Basic Issue, dated 23 June 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada
CL-600-2B16 (604 Variant)	5701 to 5911, 5913 and 5914	605-22-002, Basic Issue, dated 23 June 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Operators that have previously incorporated Part A only, or Part A and Part B of the above SBs, as applicable, meet the requirements of this AD and no further action is required.

After 48 months from the effective date of this AD, it is prohibited for anyone to install the yaw damper actuator P/N 622-9968-002 unless Part B of the above listed applicable SBs has been incorporated on the aeroplane.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 28 November 2016

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