



# 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-2016-40

**Effective Date:**

29 December 2016

**ATA:**

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**Type Certificate:**

A-131

**Subject:**

Floodlighting Panel – Cockpit Floodlight Gasket Seal Installation

**Applicability:**

Bombardier Inc model CL 600-2B16 (604 variant) aeroplanes, serial numbers (S/N) 5301 to 5665, and (605 variant) S/N 5701 to 5988.

**Compliance:**

Within 38 months from the effective date of this AD, unless otherwise accomplished.

**Background:**

Several operators have reported a burning odor and smoke emanating from the cockpit floodlights. Bombardier Aerospace (BA) has determined the cause to be fluid entering into the cockpit floodlight fixtures causing short circuits and damage to electrical components. If not corrected, this condition may result in a fire in the cockpit.

This AD is issued to mandate the installation of a new gasket seal on the floodlight fixture.

**Corrective Actions:**

1. Install the new gasket seal in accordance with part B of the Accomplishment Instructions of the following Service Bulletins (SB) as applicable:

| Model                     | S/N          | Service Bulletin                                                                                                                |
|---------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------|
| CL 600-2B16 (604 variant) | 5301 to 5665 | 604-33-007 revision 01, dated 30 Nov 2015 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada. |
| CL 600-2B16 (605 variant) | 5701 to 5988 | 605-33-005 revision 01, dated 30 Nov 2015 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada. |

2. Aeroplanes that have incorporated the SB 604-33-007, basic issue, dated 29 September 2015, meet the intent of this AD and no further action is required.
3. Aeroplanes that have incorporated the SB 605-33-005, basic issue, dated 29 September 2015, meet the intent of this AD and no further action is required.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 15 December 2016

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