



No.	CF-2008-23	1/1
Issue Date	27 June 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-2008-23

**Subject:** Engine Flameout in Icing

**Effective:** 18 July 2008

**Applicability:** Pratt & Whitney Canada (P&WC) :

JT15D-5 engines which are before and include serial number PCE-100411  
 JT15D-5 engines which are before and include serial number PCE-JA0818  
 All JT15D-5B engines  
 All JT15-D-5F engines  
 JT15D-5R engines which are before and include serial number PCE-JG0104  
 All JT15D-5 engines converted to model JT15D-5R by incorporation of P&WC Service Bulletin (SB) 7605 or later revisions.

**Compliance:** Compliance is required within 200 hours airtime after the effective date of this directive, or before 31 December 2008, whichever occurs first.

**Background:** There have been several reported incidents of high altitude, dual engine flameout on JT15D-5 engines powered aircraft operating in certain meteorological conditions.

Subsequent to the investigation of incidents, review of the engine design has revealed that the Fuel Control Hydro Mechanical Unit (HMU) P3 servo can be exposed to excessive moisture and freezing. To preclude P3 servo freezing, P&WC has issued JT15D Alert Service Bulletin (ASB) A7611 to re-route compressor delivery air to the HMU and improve moisture separation.

Considering the potentially hazardous consequence of possible in-flight dual engine flameout, this airworthiness directive is issued to mandate the incorporation of P&WC ASB A7611 to the affected JT15D-5 engines, in order to minimize the possibility of this hazard.

**Corrective Actions:** For all affected engines as specified in the applicability section of this directive, unless already accomplished, incorporate P&WC ASB number A7611 Revision No. 1 dated 16 Junes 2008, or later revisions approved by the Chief, Continuing Airworthiness, National Aircraft Certification, Transport Canada

Note: Compliance with P&WC ASB A7611 dated 26 March 2008 prior to the effective date of this directive satisfies the corrective actions requirement of this directive.

**Authorization:** For Minister of Transport, Infrastructure and Communities

Robin Lau  
 Acting Chief, Continuing Airworthiness

**Contact:** Mr. Robin Lau, Continuing Airworthiness, Ottawa, telephone 613 952-4461, facsimile 613-996-9178 or e-mail laur@tc.gc.ca or any Transport Canada Centre.

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](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)

