



No.	CF-2006-22	1/1
Issue Date		26 October 2006

# 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-2006-22
- Subject:** Fuel Manifold Leakage
- Effective:** 20 November 2006
- Applicability:** Pratt & Whitney Canada (P&WC) PW535A serial number PCE-DC0143 and earlier, that have not incorporated P&WC Service Bulletin (SB) 30197R3 or its earlier versions.
- Compliance:** When indicated, unless already accomplished.
- Background:** There have been three reported incidents of PW535A engines leaking fuel in service. Investigation revealed the manufacturing process of the fuel manifold introduced characteristics that have resulted in a loss of sealing at a crimped joint. PW535A engine fuel manifold leakage could result in engine fire, in-flight shutdown or damage to the airframe.
- P&WC has issued Alert Service Bulletin (ASB) A30314 to introduce a new manifold with an improved manufacturing process to rectify this in-service leakage problem.
- Corrective Action:** Accomplish the following, in accordance with the instructions of P&WC ASB A30314 dated 27 September 2006, or its later revisions approved by the Chief, Continuing Airworthiness, Aircraft Certification Branch, Transport Canada:
- For engines with fuel manifold, part number (P/N) 3052627-01, that has a total time since new (TTSN) of 1500 flight hours or higher:  
  
Within 50 flight hours or 60 days after the effective date of this directive, whichever occurs first, replace fuel manifold, P/N 3052627-01, with a new fuel manifold P/N 3056404-01.
  - For engines with fuel manifold, part number (P/N) 3052627-01, that has less than a total time since new (TTSN) of 1500 flight hours:  
  
Within 150 flight hours or 90 days after the effective date of this directive, whichever occurs first, replace fuel manifold, P/N 3052627-01, with a new fuel manifold P/N 3056404-01.
- Note:** Prior replacement of fuel manifold, P/N 3052627-01, with a new fuel manifold, P/N 3056404-01, in accordance with the instructions of P&WC SB 30197R3 or its earlier versions before the effective date of the directive, satisfies the requirements mandated by this directive.
- Authorization:** For Minister of Transport, Infrastructures and Communities  
  
A.Wan  
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](mailto: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)