



No.	CF-2002-42	1/1
Issue Date 30 September 2002		

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-2002-42

Subject: Pratt & Whitney Canada (P&WC) PW530A, PW535A, and PW545A engines - Inspection of Flexible Fuel Tubes

Effective: 14 October 2002

Applicability: All PW530A engines that are before and include serial number PCE-DA0472.
All PW535A engines that are before and include serial number PCE-DC0161.
All PW545A engines that are before and include serial number PCE-DB0540, excluding PCE-DB0534.

Compliance: As detailed below, unless already accomplished.

Background: Incidents of fuel leakage from the PW500 series engine flexible fuel tube between the fuel oil heater and the integral Fuel Control Unit fuel pump have been reported. P&WC has determined that the tube involved may be subject to manufacturing defects. P&WC has since revised the quality control process to ensure all new tubes are free of manufacturing defects. P&WC Service Bulletin (SB) 30217R1 was issued to introduce a one time inspection to the flexible fuel tube externally for signs of leaks, local swelling, sponginess of the red silicon rubber, gashes, gouges, or tears, and internally for evidence of kinks, gouging or loose material in the bore.

Corrective Actions: Within 50 hours air time or 60 days following the effective date of this directive, whichever occurs first, inspect the flexible fuel tube in accordance with P&WC SB No. 30217R1, dated 29 July 2002, or later revisions approved by the Chief, Continuing Airworthiness, Aircraft Certification, Transport Canada.

Inspections accomplished in accordance with the original issue of P&WC SB 30217, dated 24 May 2002, meet the intent of this directive.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Luc Deniger, Continuing Airworthiness, Ottawa, (613) 952-5385 or e-mail denigel@tc.gc.ca or any Transport Canada Center.