



No.	1/1
CF-2005-11R2	
Issue Date	
28 November 2013	

# 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) 521 Division X**. 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), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

**Number:** CF-2005-11R2

**Subject:** Replacement of Fuel Manifold Adapter Assemblies

**Effective:** 12 December 2013

**Revision:** Supersedes AD CF-2005-11R1, issued 22 November 2013.

**Applicability:** All Pratt & Whitney Canada (P&WC) PW124B, PW127, PW127E, and PW127F engines that have Service Bulletin (SB) 21607 incorporated; and All PW127G, and PW127H engines.

**Compliance:** As indicated below, unless already accomplished.

**Background:** Affected fuel manifold adapter assemblies can be installed with incorrect orientation of the fuel injectors. This may lead to fuel leaks. Several improperly installed manifold adaptor assemblies have resulted in engine in-flight shutdowns. Pratt & Whitney Canada (P&WC) SB 21705 contains instructions to replace the fuel manifold adapter assemblies and the fuel manifold hoses with improved configurations to prevent improper installation, in order to eliminate the safety hazard.

The AD CF-2005-11 dated 22 April 2005, was originally issued to mandate compliance with SB 21705 requirements. However, in order to improve the adapter connection, P&WC has now issued SB 21841, dated 7 October 2013, that modifies the existing post SB 21705 configuration fuel manifold adapter, to facilitate installation of a new conical gasket per SB 21848 dated 7 October 2013. The revised AD CF-2005-11R1 dated 22 November 2013 was issued to allow installation of this newly modified adapter on post SB 21705 configuration engines.

Revision 2 (R2) of this AD is issued to correct a typographical error in the background section of AD CF-2005-11R1.

**Corrective Actions:** Within 500 flight hours, or not more than 3 months after the effective date (16 May 2005) of original issue of this AD, replace the fuel manifold adapter assemblies and fuel manifold hoses with improved hardware as per P&WC SB 21705, Revision 4, dated 30 March 2005, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Compliance with any of the previous versions of P&WC's SB 21705 prior to the effective date of this AD satisfies the mandated requirements of this AD. Installation of modified fuel manifold adapter in accordance with SB 21841 dated 7 October 2013, or later revisions approved by the Chief, Continuing Airworthiness, as replacement for the post SB 21705 configuration fuel manifold adapter also satisfies the mandated requirements of this AD.

Compliance with AD CF-2005-11R1 satisfies the mandated requirement of this AD.

**Authorization:** For the Minister of Transport,

*ORIGINAL SIGNED BY*

Philip Tang  
Acting Chief, Continuing Airworthiness

**Contact:** A K Durrani, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@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)

