

Transport
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No. CF-93-09

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.

CF-93-09 PRATT & WHITNEY CANADA

Applies to Pratt & Whitney Canada (P&WC) PW901A Auxiliary Power Units (APU) installed in, but not limited to, Boeing Model 747-400 aircraft.

Compliance is required within 10 APU cycles, or 5 days, or at the first visit to a maintenance base capable of accomplishing the requirements of this directive, whichever occurs first following the effective date of this directive, unless already accomplished.

There have been two incidents in which smoke entered the Boeing 747-400 aircraft passenger compartment after the fracture of the PW901A APU idler gear and cooling fan shaft. Debris from the fractured gears blocked a fine scavenge strainer and resulted in flooding the load gearbox, allowing oil to enter the load compressor air system.

To prevent smoke entering the aircraft compartments in case of idler gear and cooling fan shaft failure, remove the oil strainer element in accordance with P&WC Alert Service Bulletin (ASB) No. A16159 dated 7 May 1993, or ASB A16159R1 dated 12 May 1993, or later revisions, or superseding service bulletins or subsequent bulletins that meet the intent of the above-mentioned bulletins and which are "DOT Approved".

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa. Any application should be made to the appropriate regional office.

This directive becomes effective 13 May 1993.

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 <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

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