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No. CF-91-37R1

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-91-37R1 PRATT & WHITNEY CANADA

Applies to all models of Pratt & Whitney Canada (P&WC) JT15D engines not incorporating P&WC Service Bulletin (SB) 7288 (dated 7 May 1990) and SB 7306 (dated 29 May 1991).

Compliance is required as indicated, unless already accomplished.

Airworthiness Directive (AD) CF-90-13 was issued to mandate the incorporation of P&WC SB 7281R2 (introduction of a modified emergency fuel shut-off linkage) and SB 7288 (introduction of an improved overspeed control wire rope) for the JT15D-5 and -5A series engines. In addition, AD CF-90-12 was issued to mandate the incorporation of SB 7288 for the JT15D-1 and -4 series engines. However, after the issuance of the above directives, there have been instances of excessive wear in the emergency fuel shut-off linkage on post- SB 7281 standard of hardware. P&WC SB 7306, which supersedes SB 7281, was issued on

29 May 1991 to introduce rework schemes and replacement of the existing emergency fuel shut-off linkage.

To improve the integrity of the emergency fuel shut-off linkage, accomplish the following:

Part A

- For all models of JT15D engines:

Incorporate the modifications specified in P&WC SB 7288 (dated 7 May 1990) or later revisions, or superseding service bulletins that are "DOT Approved".

Compliance with Part A of this directive is required:

- 1) When the engine is disassembled sufficiently to afford access to the affected sub-assembly; or
- 2) At the next engine Hot Section Inspection; or
- 3) Before 1 September 1995;

whichever occurs first following the effective date of this directive.

Part B

- For JT15D-1, -1A, -1B, -4, -4B, -4C and -4D engines incorporating P&WC SB 7281, SB 7281R1 or SB 7281R2; and

- For all JT15D-5, -5A and -5B engines:

Incorporate the modification specified in P&WC SB 7306 (dated 29 May 1991) or its later revisions, or superseding service bulletins that are "DOT Approved".

Compliance with Part B of this directive is required:

- 1) When the engine is disassembled sufficiently to afford access to the affected sub-assembly (No. 4 bearing housing cover); or



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2) At the next engine Hot Section Inspection; or

Before 1 September 1995;

whichever occurs first following the effective date of this directive.

Part C

- For JT15D-1, -1A, -1B, -4, -4B, -4C and -4D engines not incorporating P&WC SB 7281, SB 7281R1 or SB 7281R2:

Incorporate the modification specified in P&WC SB 7306 (dated 29 May 1991) or its later revisions, or superseding service bulletins that are "DOT Approved".

Compliance with Part C of this directive is required at the next engine overhaul.

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 supersedes Airworthiness Directive CF-91-37 issued on 8 October 1991.

This directive becomes effective 1 May 1992.

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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