



Transport
Canada

Transports
Canada

Canada

No. CF-79-10

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-79-10 CANADAIR

Applies to CL-215 aircraft, of the following serial numbers, manufactured by Canadair Limited.

Compliance is required before next flight, unless already accomplished.

Owing to early failure of link connecting rods in several Pratt & Whitney R2800 Engines in CL-215 aircraft, inspection is to be performed on the engines of the following aircraft and on spare engines as listed.

AIRCRAFT SERIAL NO. ENGINE SERIAL NO.

1051 36231

35676

1052 33024

32677

1053 36322

28652

1054 35753

1055 31454

1062 37179

27619

1063 30209

28263

1064 28004

31697

Spare (Manitoba) 36479

Spare (Thailand) 30706

Spare (Venezuela) 28275

Spare (Venezuela) 28169

The instructions contained in the Pratt and Whitney Double WASP (CB Series) Overhaul Manual number 166497 shall be followed for the dismantling, inspecting, reassembling and testing specified below.



Documents

Document Sharing Hub

Remove cylinder, pistons and rings except in number 8 and 9 positions, thoroughly clean and examine for any indication of unusual distress.

Inspect link rods at the piston pin end for possible cracks using either an acceptable dye penetrant method, or an eddy-current method using reference blocks with known cracks supplied by Canadair Ltd. or any other NDT method approved by the Chief, Airworthiness.

Inspect the link rods for signs of buckling and piston pin bushings for clearance (limits section no. 420 of Overhaul Manual) and for ovality (0.002 inch maximum). Replace any unserviceable assemblies with serviceable assemblies. Re-assemble, lubricate and run-in the engine.

Before operating an aircraft with a spare engine installed, run spare engine beyond the run-in period. Additional running shall comprise three 1 1/2 hour ground cycles, each having 1/2 hour at 1800, 2300 and 2600 RPM, and 5 hours of in-flight running.

This Directive becomes effective June 26, 1979.

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>.

24-0022 (01-2001)