



Transport
Canada

Transports
Canada

Canada

No. CF-92-23R1

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-92-23R1 CANADAIR

Applies to Canadair Model CL-600 aircraft as follows:

- (a) CL-600-1A11, serial numbers 1004 to 1085, with throttle quadrant part numbers 600-90601-69, -71, -73, -75, -77 and -79; and
- (b) CL-600-2A12, serial numbers 3001 to 3066, with throttle quadrant part numbers 600-90601-983, -987, -989, -1013, -1015, -1017, -1019, -1021, -1023, -1025 and 1027; and
- (c) CL-600-2B16, serial numbers 5001 to 5139, with throttle quadrant part numbers 600-90601-983, -987, -989, -1013, -1015, -1017, -1019, -1021, -1023, -1025 and -1027.

Compliance is required as indicated.

One report has been received of unintentional engine shut-down in flight. This shut-down resulted from the throttle lever over-riding the idle stop, during throttle retardation, and moving into the shut-off position. Tests conducted by Canadair revealed that the idle stop spring-loaded pawl can, in some cases, be lifted sufficiently to pass the idle stop without pressure being applied to the release latch. The original issue of this directive was intended to correct this condition. Subsequently, during a bench check, another condition was discovered whereby a quick sharp pull of the throttle lever combined with contamination of the surfaces of the idle stop plate and pawl could result in inadvertent run-through of the lever past the idle stop and through to the shut-off position.

To prevent the throttle lever from over-riding the idle stop, accomplish the following:

A. Perform fault detection checks in accordance with parts 1 and 2 below:

1. For the following aircraft:

- CL-600-1A11 with throttle quadrant part numbers 600-90601-69, -71 and -73; and
- CL-600-2A12 and CL-600-2B16 with throttle quadrant part numbers 600-90601-983, -1013, -1015, -1017 and -1019.

Within 50 flight hours after 2 December 1992, unless already accomplished, check the idle stop function of the throttle quadrant in accordance with Part A of the Accomplishment Instructions of the applicable Canadair Challenger service bulletin (SB) A600-0615 dated 10 June 1992 (for CL-600-1A11 aircraft), or SB A601-0374 Revision 1 dated 30 September 1992 (for CL-600-2A12 and -2B16 aircraft), or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

2. For the following aircraft:

- CL-600-1A11 with throttle quadrant part numbers 600-90601-69, -71, -73, -75, -77 and -79; and
- CL-600-2A12 and CL-600-2B16 with throttle quadrant part numbers 600-90601-983, -987, -989, -1013,

-1015, -1017, -1019, -1021, -1023, -1025 and -1027.

Within 150 flight hours after the effective date of this directive, unless already accomplished, check the idle stop function of the throttle quadrant in accordance with Part A of Accomplishment Instructions of the applicable Canadair Challenger service bulletin, SB 600-0629 (for CL-600-1A11 aircraft), or SB 601-0410 (for CL-600-2A12 and -2B16 aircraft), both dated 1 November 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

B. Accomplish modifications or replacements in accordance with parts 1 and 2 below:

1. For the following aircraft:

- CL-600-1A11 with throttle quadrant part numbers 600-90601-69, -71 and -73;
- CL-600-2A12 and CL-600-2B16 with throttle quadrant part numbers 600-90601-983, -1013, -1015, -1017 and -1019.

Within 600 landings after 2 December 1992, unless already accomplished, modify or replace the throttle quadrant in accordance with Part B of the Accomplishment Instructions of the applicable Canadair Challenger service bulletin, SB A600-0615 dated 10 June 1992 (for CL-600-1A11 aircraft), or SB A601-0374 Revision 1 dated 30 September 1992 (for CL-600-2A12 and -2B16 aircraft), or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

Note: The above modification or replacement is not required if the throttle quadrant has been replaced with part numbers 600-90601-75 or subsequent (for CL-600-1A11 aircraft), or part numbers 600-90601-991 or -1021 or subsequent (for CL-600-2A12 and -2B16 aircraft).

2. For the following aircraft:

- CL-600-1A11 with throttle quadrant part numbers 600-90601-69, -71, -73, -75, -77 and -79; and
- CL-600-2A12 and CL-600-2B16 with throttle quadrant part numbers 600-90601-983, -987, -989, -1013, -1015, -1017, -1019, -1021, 1023, -1025 and -1027.

Within 1200 landings after the effective date of this directive, unless already accomplished, replace the throttle quadrant in accordance with Part B of the Accomplishment Instructions of the applicable Canadair Challenger service bulletin, SB 600-0629 (for CL-600-1A11 aircraft), or SB 601-0410 (for CL-600-2A12 and

CL-600-2B16 aircraft), both dated 1 November 1993, or later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

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 revision supersedes Airworthiness Directive CF-92-23 issued 17 November 1992.

This directive becomes effective 6 May 1994.

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)