AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) with ADs.

Number:

CF-2026-11

Effective Date:

17 March 2026

ATA:

53

Type Certificate:

A-276

Subject:

Fuselage – Forward Engine Support Frame Fuselage Station (FS) 1051.30 – Inadequate Special Detailed Inspection (SDI) of the Tombstone Fitting Part Numbers (P/N) MM690-36153/36154

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) aeroplanes:

Model CL-600-2E25, serial numbers 19001 and subsequent.

Compliance:

As indicated below, unless already accomplished.

Background:

MHIRJ discovered that the Non-Destructive Testing Manual (NDTM) Part 6 surface SDI Procedure 53-61-121-250, associated with Airworthiness Limitations Item (ALI) Task 53-61-121, is not adequate to detect a potential crack of the tombstone fitting lugs before the critical crack size is reached as the bushings remain in place during the SDI. In order to properly inspect the tombstone fitting lugs with the bushings in place, a new SDI sub-surface ultrasound procedure was developed.

Undetected cracks of the tombstone fitting lugs could lead to a loss of engine attachment to the airframe.

This AD requires inspections of the tombstone fitting lugs and repairs of cracks if found.

Corrective Actions:

For the purpose of this AD, the following definitions apply:

Group 1 aeroplanes: are model CL-600-2E25 aeroplanes on which the tombstone top and bottom fitting lugs, engine forward support frame – FS1051.30 have not been inspected, as of the effective date of this AD, as required by MRM CSP B-053 Part 2 ALI Task 53-61-121

Group 2 aeroplanes: are model CL-600-2E25 aeroplanes that have had, as of the effective date of this AD, the tombstone top and bottom fitting lugs, engine forward support frame – FS1051.30 inspected using SDI 53-61-121-250 only.

Part I – SDI of the Tombstone Top and Bottom Fitting Lugs, Engine Forward Support Frame – FS1051.30 – Applicable to aeroplanes Group 1

A. Before accumulating 30000 total Flight Cycles (FC), perform the SDI of the tombstone fitting P/N MM690-36153/36154 using NDTM Part 4 Procedure 53-61-121-270 as published in NDTM CSP B-010 Part 4, dated 06 June 2025, and NDTM Part 6 Procedure 53-61-121-250 as published in NDTM CSP B-010 Part 6, dated 06 June 2025.
B. Thereafter, repeat the above SDI 53-61-121-270 and SDI 53-61-121-250 every 8841 FC from previous inspection.

Part II – SDI of the Tombstone Top and Bottom Fitting Lugs, Engine Forward Support Frame – FS1051.30 – Applicable to aeroplanes Group 2

A. Within 18 months from the effective date of this AD, perform the SDI 53-61-121-270 of the tombstone fitting P/N MM690-36153/36154 using NDTM Part 4 Procedure 53-61-121-270 as published in NDTM CSP B-010 Part 4, dated 06 June 2025.
B. Thereafter, repeat the above SDI 53-61-21-270 and the SDI 53-61-121-250 every 8841 FC from the last inspection performed in accordance with SDI 53-61-121-250.

Part III – Special Instructions

A. If any defect is found during any of the above inspections, before further flight, contact MHIRJ for an approved disposition and perform the MHIRJ disposition instructions within the compliance time specified by those instructions, or repair using other methods approved by the Chief, Continuing Airworthiness, Transport Canada. The repair disposition must specifically refer to this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 3 March 2026

Contact:

Mihaela Kramer, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.