



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-2026-22

Effective Date:

4 June 2026

ATA:

32

Type Certificate:

A-276

Subject:

Landing Gear – Landing Gear System – General

Applicability:

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

Model CL-600-2C10, CL-600-2C11, CL-600-2D15 and CL-600-2D24, serial numbers 10164, 10183, 10187, 10204, 10206, 10335 through 10339, 10341, 10342, 15214, 15257, 15258.

Compliance:

As indicated below, unless already accomplished.

Background:

Part 1 of the MHIRJ Maintenance Requirements Manual (MRM) sets the landing gear overhaul interval. In MRM Part 1 revisions prior to revision 24, the overhaul interval was set in Flight Cycles (FC). Following a customer request for a maintenance deviation on the landing gear, MHIRJ assessed that the customer's landing gear calendar age was higher than expected for gear overhaul. MHIRJ subsequently revised the MRM at revision 24, dated 25 June 2024, to include a calendar based interval for the overhaul of the landing gear. As the landing gear ages, the risk of corrosion can increase. Undetected corrosion could lead to main landing gear (MLG) and/or nose landing gear (NLG) collapse, consequent damage to the aeroplane and injury to the aeroplane occupants.

As mitigating action for this unsafe condition, Transport Canada issued AD CF-2021-49 mandating the removal and replacement of the affected landing gear components.

MHIRJ initiated a monitored fleet campaign to address landing gear that had exceeded the 12-year calendar time limit. MHIRJ reported that they were unable to confirm all aeroplane serial numbers were addressed by the campaign.

To address the unsafe condition on the aeroplane serial numbers indicated in the applicability above, this AD requires the removal and replacement of affected landing gear components in accordance with MHIRJ Service Bulletin (SB) 670BA-32-062.

Corrective Actions:

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

Applicable SB: MHIRJ SB 670BA-32-062 Revision A, dated 2 December 2021, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Serviceable component: A component which is new (never previously installed); or a component that, before installation, has been overhauled in accordance with the instructions of the Landing Gear component maintenance manual, as applicable.

Calendar Age is defined as the calendar time since the MLG and/or NLG component entry-into-service for the components with no overhaul performed or the calendar time since the MLG and/or NLG component entry-into-service following the last component overhaul in accordance with the instructions of the Landing Gear component maintenance manual, as of the effective date of the AD CF-2021-49 (3 January 2022).

Group 1 aeroplanes: having a Component (NLG and/or MLG) installed where the Calendar Age of that component was more than 10 years old at the time of performing Part I of AD CF-2021-49.

Group 2 aeroplanes: having a Component (NLG and/or MLG) installed where the Calendar Age of that component was 10 years old or less at the time of performing Part I of AD CF-2021-49

Part I – Repetitive Removal and Replacement of NLG Components Applicable to Group 1 aeroplanes

- A. Within 12 years from performing the requirements of AD CF-2021-49 Part II and thereafter at intervals not to exceed 12 years, remove NLG components in accordance with Section 2, Part B of the Accomplishment Instructions of the applicable SB.
- B. Before further flight, replace the removed components with serviceable components, in accordance with Section 2, Part D of the Accomplishment Instructions of the applicable SB.

Part II – Repetitive Removal and Replacement of MLG Components Applicable to Group 1 aeroplanes

- A. Within 12 years from performing the requirements of AD CF-2021-49 Part III and thereafter at intervals not to exceed 12 years, remove MLG components in accordance with Section 2, Part E or H, as applicable, of the Accomplishment Instructions of the applicable SB.
- B. Before further flight, replace the removed components with serviceable components, in accordance with Section 2, Part G or J, as applicable, of the Accomplishment Instructions of the applicable SB.

Part III – Initial and Repetitive Removal and Replacement of NLG and MLG Components Applicable to Group 2 aeroplanes

- A. Within 90 days from the effective date of this AD, verify the aeroplane and/or the aeroplane technical records to determine the calendar age of the MLG and NLG components in accordance with Section 2, Part A of the Accomplishment Instructions of the applicable SB.
- B. For NLG components identified in Part III. A of this AD with calendar age of 12 years or more,
 1. Before further flight, remove NLG components in accordance with Section 2, Part B of the Accomplishment Instructions of the applicable SB.
 2. Before further flight, replace the removed components with serviceable components, in accordance with Section 2, Part D of the Accomplishment Instructions of the applicable SB.
 3. Thereafter at intervals not to exceed 12 years, remove and replace NLG components in accordance with Section 2, Part B and D of the Accomplishment Instructions of the applicable SB.
- C. For NLG components identified in Part III. A of this AD with calendar age of less than 12 years,
 1. Within 12 years from entry into service or last overhaul, remove NLG components in accordance with Section 2, Part B of the Accomplishment Instructions of the applicable SB.
 2. Before further flight, replace the removed components with serviceable components, in accordance with Section 2, Part D of the Accomplishment Instructions of the applicable SB.
 3. Thereafter, at intervals not to exceed 12 years, remove and replace NLG components in accordance with Section 2, Part B and Part D of the Accomplishment Instructions of the applicable SB.
- D. For MLG components identified in Part III. A of this AD with calendar age of 12 years or more,

1. Before further flight, remove MLG components in accordance with Section 2, Part E or H, as applicable, of the Accomplishment Instructions of the applicable SB.
 2. Before further flight, replace the removed components with serviceable components, in accordance with Section 2, Part G or J, as applicable, of the Accomplishment Instructions of the applicable SB.
 3. Thereafter, at intervals not to exceed 12 years, remove and replace MLG components in accordance with Section 2, Part E or H and Part G or J, as applicable, of the Accomplishment Instructions of the applicable SB.
- E. For MLG components identified in Part III. A of this AD with calendar age of less than 12 years,
1. Within 12 years from entry into service or last overhaul, remove MLG components in accordance with Section 2, Part E or H, as applicable, of the Accomplishment Instructions of the applicable SB.
 2. Before further flight, replace the removed components with serviceable components, in accordance with Section 2, Part G or J, as applicable, of the Accomplishment Instructions of the applicable SB.
 3. Thereafter, at intervals not to exceed 12 years, remove and replace MLG components in accordance with Section 2, Part E or H and Part G or J, as applicable, of the Accomplishment Instructions of the applicable SB.

Part IV – Installation Prohibition of Components Without Overhaul

As of the effective date of this AD, the installation of MLG and NLG components with a component calendar age of 12 years or more without overhaul is prohibited.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 21 May 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.