



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-2021-47

Effective Date:

27 December 2021

ATA:

53

Type Certificate:

A-276

Subject:

Fuselage – Pressure Floor Skin – Non Destructive Testing Manual CSP A-010 Part 6 Procedure Number 53-41-194

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) model CL-600-2B19 aeroplanes, serial numbers 7003 through 8079 with Service Bulletin (SB) 601R-53-067 and/or SB 601R-53-077 incorporated.

Compliance:

As of the effective date of this AD, unless already accomplished.

Background:

MHIRJ issued SB 601R-53-067 and SB 601R-53-077 to add doublers at Fuselage Station (FS) 460 and/or FS513 on the pressure floor. Subsequently, Airworthiness Limitation (AWL) task number 53-41-194, as introduced by Maintenance Requirements Manual (MRM) CSP A-053 Temporary Revision (TR) 2B-2266, was approved to supersede the inspections of AWL task number 53-41-149 in the areas covered by the newly added doublers at FS460 and/or FS513. AWL task number 53-41-149 was mandated by AD CF-2002-39R2.

It was recently discovered that the previously published Non Destructive Testing Manual (NDTM) Part 6 procedure number 53-41-194 associated with AWL task number 53-41-194 does not address all required inspections and a new revision of this NDTM Part 6 procedure number was issued to correct this potentially unsafe condition.

This AD prohibits the use of NDTM Part 6 procedure number 53-41-194 dated 10 October 2020 and earlier revisions of this procedure, and mandates the use of revised NDTM Part 6 procedure number 53-41-194 as published in TR 53-109, dated 5 March 2021.

Corrective Actions:

- A. Use the revised NDTM Part 6 procedure number 53-41-194, dated 5 March 2021, when performing MRM CSP A-053 Part II AWL task number 53-41-194.
- B. It is prohibited to use NDTM Part 6 procedure number 53-41-194, dated 10 October 2020, or earlier revisions of this procedure number when performing AWL task number 53-41-194.

Note: Alternative inspection methods may be used provided those methods are Transport Canada Civil Aviation (TCCA) approved as an AMOC with this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 13 December 2021

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