



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-2025-69

Effective Date:

5 January 2026

ATA:

28

Type Certificate:

A-142

Subject:

Fuel System – Potential Fuel Leak in Dry-Bay – Missing Sealant

Applicability:

De Havilland Aircraft of Canada Limited (formerly Bombardier Inc.) model DHC-8-401 and DHC-8-402 aeroplanes, serial numbers 4001, 4003 through 4633.

Compliance:

Within 48 months or 8000 hours air time, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

During the accomplishment of a previous fuel system Service Bulletin (SB) it was discovered that instructions for fay, fillet and rivet dome sealing were omitted for one bracket. The bracket is installed on the inboard surface of tank rib at Wing Station (WS) 42. Without proper sealing, fuel could leak from the wing fuel tank into the wing dry bay. A significant fuel leakage may expose the dry-bay to unacceptable concentration of fuel vapor that may pose a risk of explosion/ignition.

To address this unsafe condition, this AD mandates the inspection of the bracket and the application of sealant to the bracket and attaching rivets, if required.

Corrective Actions:

Perform a detailed visual inspection of bracket assembly Part Number (P/N) 85714524-001 for signs of fuel leakage, as well as presence of fillet seal and fastener dome seal, and if required, apply sealant in accordance with Section 3.B. Procedure of the Accomplishment Instructions of De Havilland Aircraft of Canada SB 84-28-35, initial revision, dated 5 September 2025, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 22 December 2025

Contact:

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