



# **EMERGENCY 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-2026-33

**Effective Date:**

22 June 2026

**ATA:**

36

**Type Certificate:**

A-236

**Subject:**

PNEUMATIC – High Pressure Valve (HPV) - Butterfly Clip Failure

**Applicability:**

Airbus Canada Limited Partnership (ACLPL) (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) aeroplanes:

Model BD-500-1A10, serial numbers 50001 and subsequent,

Model BD-500-1A11, serial numbers 55001 and subsequent.

**Compliance:**

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

**Background:**

It has been reported to ACLPL that several HPVs with missing or broken butterfly clips have been found in the repair shop.

ACLPL assessment has determined that failure of the butterfly clip may not be readily detected during operation and could remain latent until the next scheduled inspection or until secondary effects occur (e.g., bleed leak or overheat indications). Failure of the butterfly clip may also lead to degradation of the valve sealing function.

This condition, if not detected and corrected, could result in inability to properly isolate the bleed system when required, uncontrolled hot air leakage, overheating of critical aeroplane structures and components, and potential degradation of structural integrity.

To mitigate this unsafe condition, this AD prohibits dispatching an aeroplane under the applicable Minimum Equipment List (MEL) items.

This AD is an interim action, and further AD action may follow.

**Corrective Actions:**

**Part I- Definitions**

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

**Applicable MEL items** refer to the MEL items corresponding with the following Master Minimum Equipment List (MMEL) items:

- Section 1 – ATA 30 – ICE AND RAIN PROTECTION
  - o 30-12-01 Wing Anti Ice Pressure Sensors
- Section 1 – ATA 36 – Pneumatic:

- 36-11-92 Fan Air Valve (FAV):
  - 1) Associated bleed air off and both packs operative.
  - 2) Associated bleed air off and both packs operative.
  - 3) Associated bleed air and pack off.
- 36-12-00 Bleed Air Systems:
  - 1) Engine: A) One engine bleed air system inoperative.
  - 1) Engine: B) Both engine bleed air system inoperative.
- 36-12-01 Engine Bleed Pressure Regulating Shutoff Valve (PRSOV):
  - 1) Associated engine bleed air off and flight conducted at or below FL 310
  - 2) Associated engine bleed air and pack off
  - 3) Unpressurized flight without passengers.
  - 4) APU bleed system continuously operated and both packs operative
- 36-12-05 High Pressure Shut Off Valve (HPV):
  - 1) One HPV inoperative.
  - 2) Both HPV inoperative.
- 36-21-03 Pack Bleed Air Leak and Overheat Detection Loop:
  - 1) Left Pack Zone: A) Inoperative not annunciated by 36 LEAK DET FAULT- LOOP REDUND LOSS (Info).
  - 1) Left Pack Zone: B) Inoperative annunciated by 36 LEAK DET FAULT- LOOP REDUND LOSS (Info), if applicable.
  - 2) Right Pack Zone: A) Inoperative not annunciated by 36 LEAK DET FAULT- LOOP REDUND LOSS (Info).
  - 2) Right Pack Zone: B) Inoperative annunciated by 36 LEAK DET FAULT- LOOP REDUND LOSS (Info).
- Section 2: Crew Alerting System (CAS) messages:
  - 30-00-003-01: L WING A/ICE LO HEAT(CAUTION): 30 L WING A/ICE LO HEAT – CTRL TEMP INOP
  - 30-00-005-01: L WING A/ICE LO HEAT(CAUTION): 30 L WING A/ICE LO HEAT – L HPV FAIL CLSD
  - 30-00-007-03: L WING A/ICE LO HEAT (CAUTION): 30 L WING A/ICE LO HEAT – L WING A/ICE TEMP SNSR INOP
  - 30-00-011-03: L WING A/ICE OVHT (CAUTION): 30 L WING A/ICE OVHT – L WING A/ICE TEMP SNSR INOP
  - 30-00-017-01: R WING A/ICE LO HEAT(CAUTION): 30 R WING A/ICE LO HEAT – CTRL TEMP INOP
  - 30-00-019-01: R WING A/ICE LO HEAT(CAUTION): 30 R WING A/ICE LO HEAT – R HPV FAIL CLSD
  - 30-00-021-03: R WING A/ICE LO HEAT(CAUTION): 30 R WING A/ICE LO HEAT – R WING A/ICE TEMP SNSR INOP
  - 30-00-025-03: R WING A/ICE OVHT(CAUTION): 30 R WING A/ICE OVHT – R WING A/ICE TEMP SNSR INOP
  - 30-12-005-01: WING A/ICE FAULT(ADVISORY): 30 WING A/ICE FAULT – L WING A/ICE VLV LEAK
  - 30-12-005-03: WING A/ICE FAULT(ADVISORY): 30 WING A/ICE FAULT – R WING A/ICE VLV LEAK
  - 36-00-001-03: AIR SYSTEM FAULT(ADVISORY): 36 AIR SYSTEM FAULT – L BLEED MON PRESS SNSR INOP, if applicable.
  - 36-00-005-05: AIR SYSTEM FAULT(ADVISORY): 36 AIR SYSTEM FAULT – R BLEED MON PRESS SNSR INOP, if applicable.
  - 36-00-009-01: L BLEED FAIL (CAUTION): 36 L BLEED FAIL - L BLEED TEMP SNSR INOP.
  - 36-00-011-03: L BLEED FAIL (CAUTION): 36 L BLEED FAIL – L HPV FAIL CLSD.
  - 36-00-013-01: L BLEED FAIL (CAUTION): 36 L BLEED FAIL – L PRESS REG SOV INOP.
  - 36-00-031-01: R BLEED FAIL(CAUTION): 36 R BLEED FAIL – R BLEED TEMP SNSR INOP.
  - 36-00-035-03: R BLEED FAIL(CAUTION): 36 R BLEED FAIL – R HPV FAILCLSD.
  - 36-00-037-01: R BLEED FAIL(CAUTION): 36 R BLEED FAIL – R PRESS REG SOV INOP.

## Part II- MEL Items Prohibition

It is prohibited to dispatch an aeroplane under the applicable MEL items defined in Part I of this AD.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Jenny Young  
Chief, Continuing Airworthiness  
Issued on 22 June 2026

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