

Alert Service Bulletin 36



1. General

(a) No.:	36
(b) Revision / Date	1 / 2 nd April 2025
(c) Title:	PRV Adaptor CB8426 for Legacy Cylinders
(d) Description:	Inspection and possible replacement of adaptors in service based on pass criteria.
(e) Applicability:	These parts are known to be installed on, but not limited to, hot-air balloons and airships manufactured by Cameron Balloons Ltd, Colt Balloons, Lindstrand Balloons Ltd (LBL), Sky Balloons, Thunder Balloons, and Thunder & Colt fitted with fuel cylinders that use PRV adaptor CB8426 to mount the PRV in the cylinder boss.
(f) Effectivity:	Possible cylinders fitted with PRV adaptor CB8426. Thunder & Colt: <ul style="list-style-type: none">• V20-100-00/CB8420• 830922-1• V30-100-00/CB8430• V40-100-00/CB8440 Sky: <ul style="list-style-type: none">• A0/V30• A0/V40 Lindstrand <ul style="list-style-type: none">• V20/CY-020-A-001• V30/CY-030-A-001• V40/CY-040-A-001• T30/CY-050-A-001

Note: Applicability= All types and variants to which the change can be applied.
Effectivity= Actual CN or group of CN's to which the bulletin has been/will be applied.

2. Background

Three instances of failed CB8426 adaptors have been reported in the last 9 months. Failed components have presented with a crack located on the upper hex portion of the adaptor.



Figure 1 - New CB8426, PRV Adaptor



Figure 2 - Cracked CB8426, PRV Adaptor

There are estimated to be approximately 2,000 adaptors in service. The failure mode of the reported failures is under urgent investigation. This Service Bulletin has been published to warn operators of the potential for similar failures.

This Service Bulletin will be updated with further guidance.

3. Compliance (Category)

Required on receipt of this bulletin.

4. Consequences of Non-Compliance (Possible)

Uncontrolled leak of LPG fuel.

5. Accomplishment Instructions

Affected PRV adaptors installed in cylinders must be visually inspected for cracks within 24 hours of receipt of this bulletin. Any cylinders found to have cracked adaptors installed should be emptied of fuel immediately. Contact Cameron Balloons in the event of the discovery of a crack failure.

PRV adaptors found without cracks can continue to be used for flight but must be inspected before each flight.

These instructions can be performed by the pilot owner.

6. Materials: None

7. Other Publications Affected: None

8. Mass (Weight)/Balance: Not affected

9. Maintenance and Operating Instructions: Not affected

10. Additional Information:

For any questions concerning the technical content of the requirements in this Service Bulletin, please contact:

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BS3 4NH
email: technical@cameronballoons.co.uk
tel: +44 (0)117 9637216

This bulletin is the subject of CAA EAD Ref G-2025-0001-E.

Compiled by:


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Notes:

Date: 02/04/25 Name: O Maynard

11. Design Organisation Approval

Statement of Compliance Verification

I hereby confirm that the instructions identified in this bulletin provide for practical and well-defined installation/inspection methods and when accomplished the product is in conformance with approved design data.

Signed, for and on behalf of Cameron Balloons Ltd.


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Office of Airworthiness

Date: 02/04/2025 Name: D. S. CAMERON

Approval Statement

I hereby confirm that these instructions are in compliance with all the applicable airworthiness requirements. The technical content of this document is approved under the authority of DOA nr UK.21J.0140

Signed, for and on behalf of Cameron Balloons Ltd.



PP Head of Design



Company Stamp

Date: 02/04/2025

Name: D. J. CAMERON

Note: If this Service Bulletin is or will become an Airworthiness Directive, a statement to that effect must be entered in Section 10 of this form.