

Alert Service Bulletin 36



1. General

(a) No.:	36
(b) Revision / Date	2 / 03 July 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:	All HAB TCs and Airships. All HAB Manufacturers.
(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

Thirteen instances of failed CB8426 adaptors have been received since the release of Revision 1 of this Alert Service Bulletin. Failed components have presented with a crack located on the upper hex portion of the adaptor.



Figure 1 - CB8426, PRV Adaptor



Figure 2 - Cracked CB8426, PRV Adaptor

There are estimated to be approximately 2,000 adaptors in service.

A number of failed adaptors have been independently assessed. The failure mode has been attributed to Stress Corrosion Cracking, caused by exposure to corrosive elements such as Sulphur, Chlorine, or Ammonia. Overtightening of the installed PRV is also likely to have exacerbated the failure mode.

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, if not already undertaken following receipt of Revision 0 of this bulletin.

Final rectification action for affected cylinders requires the removal of the CB8426 adaptor and replacement with a new CB7922 adaptor. Installation of the new CB7922 adaptors must be carried out in accordance with Maintenance Manual Supplement 7.52.

Final rectification must be applied to all affected cylinders by the next Periodic Inspection.

New CB7922 adaptors can be sourced by contacting aftersales@cameronballoons.co.uk.

Cameron Balloons has no technical objection to the PRV, removed from the CB8426 adaptor, being refitted to the replacement CB7922 adaptor. However, the PRV should be replaced if it doesn't have sufficient life remaining to reach the date of the next intended periodic inspection or is damaged.

Cylinders that continue to be used with CB8426 adaptors must be subject to a pre-flight inspection. This may be undertaken by the pilot owner. It is not necessary to record in the logbook every pre-flight inspection. Record only:

- A) The initial inspection carried out on receipt of this Service Bulletin.*
- B) Any inspection that discovers a cracked adaptor.*

Cylinders fitted with a CB8426 PRV adaptor that has cracked should be taken out of service and emptied of fuel immediately. The failure must be reported to Cameron Balloons via technical@cameronballoons.co.uk

Operators should also be aware of the failure mode detailed in Section 2 and take action to avoid the contamination of adaptors by corrosive elements. For example, avoiding the storage of cylinders alongside agricultural supplies or machinery.

CB8426 adaptors are no longer approved for installation into cylinders. Any existing stock should be scrapped or rendered unserviceable.

6. Materials:

Part No.	Description	Quantity
CB7922	Replacement PRV Adaptor	1 per cylinder

7. Other Publications Affected: None

8. Mass (Weight)/Balance: Not affected

9. Maintenance and Operating Instructions:

Maintenance Manual Supplement 7.52 will be updated to reflect part change.

10. Additional Information:

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

*Cameron Balloons Limited
St Johns Street, Bedminster, Bristol, UK
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:



Notes:

Date: 03/07/2025

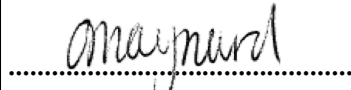
Name: D J Cameron

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.



Office of Airworthiness

Date: 03/07/2025

Name: O Maynard

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.



Head of Design

Company Stamp



Date: 3 July 2025

Name: D.A. CAMERON