

Alert Service Bulletin No 33



1. General

(a) No.:	33
(b) Revision / Date	2 / June 2023
(c) Title:	CB2990 Issue A (Alugas) Cylinders - Withdrawal from service
(d) Description:	Permanent withdrawal from service of CB2990 Issue A (Alugas) cylinders
(e) Applicability:	All hot-air balloons (from all manufacturers) fitted with CB2990 issue A (Alugas) cylinders
(f) Effectivity:	Fuel cylinders Part Number CB2990 Issue A (Alugas) cylinders having serial numbers: OC25001 to OC25202 Q114001 to Q114496 Note 1: This serial number range covers all CB2990 Issue A (Alugas) cylinders. Note 2: CB2990 Issue B (Alugas) cylinders are not affected by this bulletin These fuel cylinders 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), Lindstrand Hot Air Balloons Ltd, Sky Balloons, Thunder Balloons, and Thunder & Colt

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

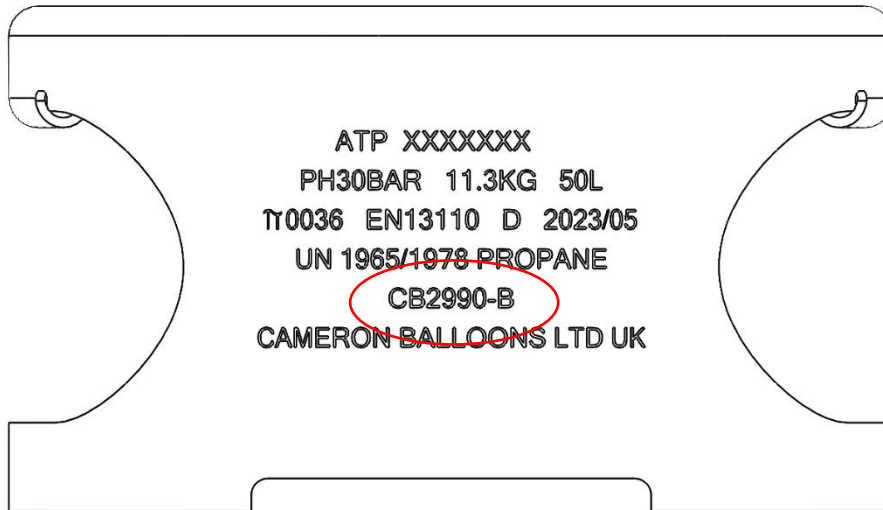
A number of CB2990 Issue A (Alugas) cylinders developed cracks in the weld between the cylinder valve plate and the upper dished end. These cracks allow the release of propane from the cylinder.

It is likely that other CB2990 Issue A cylinders may develop similar failures in service.

To address this potential unsafe condition this service bulletin is issued to permanently withdraw all CB2990 Issue A (Alugas) cylinders from service.

The CB2990 Issue B Cylinder can be differentiated from the withdrawn CB2990 Issue A cylinder in the following ways:

Cylinder part number: The cylinder part number is stamped on the upper guard ring of the cylinder: The issue B cylinder carries the part number CB2990-B, the withdrawn Issue a Cylinder carries the part number CB2990/A



Cylinder Valve Plate: The cylinder valve plate of the CB2990 Issue B cylinder is raised above the dished end of the cylinder and has raised valve bosses. The Issue A cylinder valve plate has a flat top and is welded flush with the dished end.



CB2990 Issue B cylinder



CB2990 Issue A cylinder (withdrawn)

3. Compliance (Category)

Required on receipt of this bulletin.

4. Consequences of Non-Compliance (Possible)

Uncontrolled leak of LPG fuel.

5. Accomplishment Instructions

Affected (i.e. Issue A) Cylinders are prohibited from further flight and are unsafe for the storage of LPG. Affected cylinders must be emptied, permanently withdrawn from service, and rendered unsuitable for storing LPG.

Contact Cameron Balloons regarding the cylinder replacement scheme.

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:

Cameron Balloons Limited
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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-2022-0010-E.

Compiled by:



Notes:

None

Date: 03/07/2023 Name: D C Boxall

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.

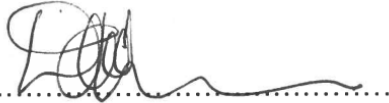


Date: 05/07/23 Name: D J Cameron

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.



Head of Design

Date: 5 JULY 23	Name: D. A. CAMERON
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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.