

Service Bulletin 35



1. General

(a) Service Bulletin No:	35
(b) Revision / Date	0 / April 2024
(c) Title:	Contents Gauges - Alugas Cylinders, Additional Pre-Flight inspection
(d) Description:	Alugas cylinder - Potential for a fuel contents gauge misreading
(e) Applicability:	All
(f) Effectivity:	All using Alugas cylinders (CB2990) with Serial Numbers listed in Table 1.

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 small number of failures have occurred of fuel contents gauges installed in Alugas (CB2990) cylinders. The failure presents as a "stuck" contents gauge. The gauge may stick in any position (full, empty, or in-between).

The failures are confined to a known range of cylinders where incorrect assembly technique and tools may have caused damage to mechanism within the gauge head.

It is likely that many of the cylinders listed in Table 1 are undamaged, and that those with gauge damage will exhibit symptoms within the first few flights. We have issued this bulleting to make pilots aware of the potential problem, and to recommend an additional inspection to be carried out while rigging the balloon during the first few flights of each affected cylinder.

Service Bulletin 35



Table 1: Cylinder Serial Number List

2387660	2387705	2387732	2387760	2387809	2387836	2387948	2388019
2387661	2387706	2387733	2387781	2387810	2387837	2387950	2388020
2387662	2387707	2387734	2387782	2387811	2387838	2387951	2388021
2387663	2387708	2387735	2387783	2387812	2387839	2387952	2388022
2387664	2387709	2387736	2387784	2387813	2387840	2387953	2388023
2387665	2387711	2387737	2387785	2387814	2387841	2387954	2388046
2387666	2387712	2387738	2387786	2387815	2387842	2387956	2388047
2387667	2387713	2387739	2387787	2387817	2387843	2387957	2388048
2387668	2387714	2387740	2387788	2387818	2387844	2387958	2388049
2387669	2387715	2387741	2387789	2387819	2387845	2387959	2388050
2387670	2387716	2387742	2387790	2387820	2387848	2387960	2388051
2387671	2387718	2387743	2387791	2387822	2387849	2387961	2388052
2387672	2387719	2387744	2387796	2387823	2387850	2387962	2388053
2387673	2387720	2387747	2387797	2387824	2387851	2387964	2388054
2387674	2387721	2387748	2387798	2387825	2387853	2388005	2388055
2387675	2387722	2387749	2387799	2387826	2387854	2388006	2388056
2387676	2387723	2387750	2387800	2387827	2387855	2388007	2388058
2387677	2387724	2387751	2387801	2387828	2387856	2388008	2388059
2387678	2387725	2387752	2387802	2387829	2387858	2388010	2388060
2387679	2387726	2387753	2387803	2387830	2387860	2388011	2388061
2387689	2387727	2387754	2387804	2387831	2387861	2388012	2388062
2387701	2387728	2387755	2387805	2387832	2387862	2388013	2388063
2387702	2387729	2387757	2387806	2387833	2387945	2388014	2388065
2387703	2387730	2387758	2387807	2387834	2387946	2388015	
2387704	2387731	2387759	2387808	2387835	2387947	2388016	

3. Compliance (Category)

Recommended

4. Consequences of Non-Compliance (Possible)

Incorrect reading of fuel contents gauges.

Service Bulletin 35



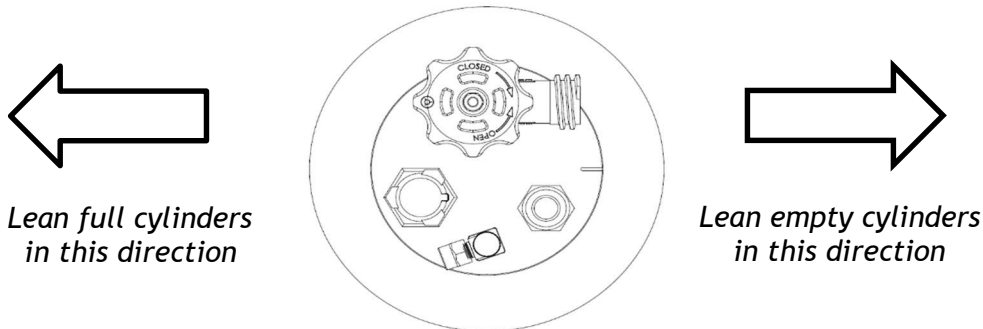
5. Accomplishment Instructions

Pilots must be aware of the possibility that the contents gauges fitted to Alugas cylinders may misread.

The most likely in-flight scenario is for a gauge to remain stuck in the "full" position. Pilots should be aware of this possibility and should be suspicious of any cylinder that fails to indicate that contents are reducing below 30% after a normal time. Pilots should be ready to transfer control to an alternative fuel supply if required.

For the first 10 flights of affected cylinders the following check should be performed during the rigging of the basket:

Check for free movement of the fuel contents gauges as follows. First check that the cylinder contents gauge is reading "Full" or "Empty". Lean each affected cylinder in the direction shown below and ensure that movement of the contents gauge can be seen. A lean of 45 degrees is sufficient to provide visible movement of the gauge.



Should any fuel contents gauges be found to be defective please contact Cameron Balloons technical@cameronballoons.co.uk

6. Materials

None

7. Other Publications Affected

None

Service Bulletin 35



8. Mass (Weight)/Balance:

Not Affected

9. Maintenance and Operating Instructions

Not Affected

10. Additional Information

None

Compiled by:

Notes:

Date: 26/04/2024

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 (not to be signed by form compiler)

Date: 26/4/2024 Name: D. A. 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



Company Stamp

Date: 26/4/2024 Name: D A Cameron