

Service Bulletin 22



1. General

(a) Service Bulletin No.:	22
(b) Revision / Date	0/May 2014
	Replacement of Pressure Gauge Fittings
(c) Description:	Replacement of brass pressure gauge feed tube and compression fittings with stainless steel alternative
(d) Applicability:	EASA.BA.012 & EASA.BA.013 Burner Assembly Numbers: CB2008, CB2031, CB2059, CB2065, CB2075, CB2081, CB2085, CB2086, CB2089, CB2095, CB2096, CB2097, CB2101, CB2103, CB2104, CB2111, CB2113, CB2119, CB2145, CB2153, CB2195, CB2215, CB2222, CB2239, CB2240, CB2242, CB2243, CB2244, CB2255, CB2256, CB2289, CB2298, CB2299, CB2301, CB2305, CB2342, CB2351, CB2395, CB2446, CB2459, CB2460, CB2461, CB2465, CB2466, CB2467, CB2469, CB2478, CB2479, CB2494. Note: Applicable to all variants of the above assembly numbers (e.g. -1, -2)
(e) Effectivity:	All CN where the above assemblies are fitted.

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:

Isolated incidents have been reported where the pressure gauge inlet fitting has developed a hair line crack allowing a small leakage of fuel which can cause a small localised fire in the burner can. The incidents have only occurred where the pressure gauge inlet fitting is manufactured from brass (burners manufactured pre-1999).

If leakage occurs control is transferred to another burner unit (HABFM Section 3.10).
Venting the supply hose will normally extinguish the fire.

Note : These fittings are not used on single burners

3. Compliance (Category): Highly Recommended

4. Consequences of Non-Compliance(Possible) :

Leakage of fuel from pressure gauge causing localised fire

5. Accomplishment Instructions:

For applicable burner assemblies only:

5.1 Visual inspection

Inspect each burner unit to determine whether the pressure gauge fittings are brass or stainless steel (see figure 1 and 2).



FIG1: Brass Fittings



FIG 2: Stainless Steel Fittings

Note: It may be necessary to locally abrade the fitting to remove combustion products using Scotchbrite or similar.

If stainless steel fittings are already present make logbook entry “SB22 Not applicable”.

If brass fittings are present replace in accordance with Section 5.2 (below).

5.2 Replacement of Brass Fittings

- 5.2.1 Undo compression joints at both ends of the pressure gauge feed tube, remove the tube and discard.
- 5.2.2 Undo and remove the brass fittings and discard; ensure manifold block is free from debris/old tape.
- 5.2.3 Fit the straight st. steel fitting to manifold block using PTFE tape/paste or Loctite 572.

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- 5.2.4 Fit st. steel elbow fitting to pressure gauge using PTFE tape/paste taking care to position fitting to accept tube.
- 5.2.5 Fit new st. steel tube and tighten compression fittings.
- 5.2.6 Functional Test and leak check. HABMM, i10, Section 6.6.4 or subsequent approved functional check.
- 5.2.7 Log Book Entry.

6. **Materials:** CB-2472-0000, Pressure Gauge Fittings

7. **Other Publications Affected:** None

8. **Mass(Weight)/Balance:** Not affected

9. **Maintenance and Operating Instructions:** Not affected

10. Additional Information :

For spare parts information contact: aftersales@cameronballoons.co.uk.
Ref: UK CAA MOR 201312758

Compiled by:

Notes:

Date: 02/05/2014

Name: F.J. Davies

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.

Head of Airworthiness

Date: 02/05/2014

Name:



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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 EASA.21J.140

Signed, for and on behalf of Cameron Balloons Ltd.

PP

Head of Design



Date: 02/05/2014

Name:

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.

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