

Service Bulletin 20



1. General

(a) Service Bulletin No.:	20
(b) Revision / Date	0/May 2014
(b) Title:	Replacement of Rego Female Hose Connectors
(c) Description:	Replacement of Rego 7141 couplings where the connecting nut and/or centre body are manufactured from brass
(d) Applicability:	<p>EASA TCDS Reference: EASA.BA.012, EASA.BA.013. UKCAA TCDS Reference: BAS 3, BAS7, BAS8, BB5, BB19, BB20, BB25.</p> <p>All Cameron, Thunder & Colt and Sky Balloons where Rego Couplings are fitted to the liquid supply hoses.</p> <p>All Cameron and Thunder & Colt Airships where Rego Couplings are fitted to the liquid supply hoses.</p> <p>For Part No. of Cameron manufactured burners refer to HABFM-i10 and supplements. For Part No. of other manufacturers burners refer to the applicable manuals</p> <p>NOTE: This service bulletin is applicable to <u>all</u> Cameron balloons regardless of the manufacturer of the burner system.</p>
(e) Effectivity:	All C/N

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: Historically hot air balloon burners were fitted Rego 7141 connectors originally designed for use with fork lift trucks. These connectors are manufactured with a brass centre body and brass connecting nut (back-nut). These fittings are manufactured to industrial standards and were fitted to burners by many balloon manufacturers.

Later versions, designed specifically for Hot Air Balloons, are manufactured with stainless steel centre bodies and connecting nuts. Testing has shown that the brass versions fail under abuse loads at approximately 50% of the strength of stainless steel components.

3. Compliance (Category): Highly recommended

4. Consequences of Non-Compliance(Possible): Uncontrolled leak of liquid propane

5. Accomplishment Instructions: Visual Check (Pilot Owner)

1. Check the material of the centre body and back nut. If the material is obviously made of brass (yellow/gold) appearance a visual check is adequate, if the material is plated (similar appearance to chrome plate) a small area should be abraded with a file to check the substrate.
2. Any couplings with brass centre body and back nut should be replaced with an approved stainless steel alternative (CH-0144-0001). The maximum torque values are given in Cameron Balloons Maintenance manual i10-Amdt 3, Section 4.2.6.

Cameron Balloons Ltd., St Johns Street
Bedminster, Bristol BS3 4NH, United Kingdom

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6. Materials:

CH-0144-0001 Rego 7141 female coupling



7. Other Publications Affected: None

8. Mass(Weight)/Balance: Not Affected

9. Maintenance and Operating Instructions: Not Affected

10. Additional Information: None

Compiled by:

Notes:

Date: 16/05/2014

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: 16-05-2014

Name:

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.

Head of Design

Date: 16-05-2014

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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