

# Cameron Balloons U.S. Service Bulletin 6



**1. General: This Service Bulletin is issued in response to  
Cameron Balloons Ltd Service Bulletin number 16**

(a) No.:	6
(b) Revision / Date	Revision 0 / Date: February 18, 2008
(c) Title:	Fuel System, Liquid Valve Self-Seal.
(d) Description:	Replacement of Self-Seal Coupling
(e) Applicability:	All Types and Variants where Müller Cylinder Liquid Valve, part number F825, is fitted. This valve is fitted to all new production cylinders. It is also sold as the replacement spare part in these instances.
(f) Effectivity:	All Müller valves part no. F825 dated 12/05 to 08/06

Note: Applicability= All types and variants to which the change can be applied.

**2. Background:** Due to a faulty batch of adhesive, the rubber grommet in the self-seal can become detached from the self-seal stem and block the fuel flow from the cylinder to the burner

**3. Compliance (Category):** Highly Recommended

**4. Consequences of Non-Compliance (Possible):** Blockage of liquid fuel system resulting in burner failure.

**5. Accomplishment Instructions:** The self-seal valves on cylinders within this batch must be replaced at the next Annual/100 hour inspection\* in accordance with Maintenance Manual Issue 3 Revision D dated November 12, 2007 and the instructions provided with this Service Bulletin\*.

A 1/4" tall 'A' must be stamped on the valve on the topside of the outlet snout at the base of the bonnet assembly housing.

An entry must be made in the balloon logbook, referencing the cylinder serial number(s) and that this Service Bulletin has been complied with.

The Compliance Form and Work Order copy must be returned to Cameron Balloons US via email, FAX or mail.

\* Note: For any aircraft with a single fuel cylinder the self-seal MUST be replaced before the next flight.

**6. Materials:** Self Seal Replacement Kit part number is F825K. The o-ring part number is F005O and washer part number F005S.

There will be no charge for the replacement parts, however, shipping and labor costs will be the responsibility of the owner/operator or Repair Station ordering this part. A refundable charge for the repair parts will apply.

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**7. Additional Information:** The valves can also be identified by the word Müller stamped on the valve body and the number 344B0011 stamped under the date stamp (see page 3 of this bulletin).

For further information please contact Cameron Balloons U.S.

**Procedure:** Refer to diagram on page 3.

- 1) Ensure that the liquid valve is in the closed position.
- 2) Remove the outlet gasket (item 5) and outlet outer o-ring (item 4) and discard if damaged.
- 3) Unscrew and remove the self seal retaining ring (item 6). Use special tool part number F825T or equivalent.
- 4) Remove and discard the self seal (item 7), spring (item 8) and washer (item 9).
- 5) Remove and discard the outlet inner o-ring (item 2).
- 6) Fit new inner o-ring (item 2) (supplied with the repair kit).
- 7) Fit self seal cassette (item 3) (supplied with the repair kit) and tighten.
- 8) Fit outer o-ring (item 4) and gasket (item 5) with the supplied replacements.
- 9) Leak check.
- 10) Remove the handwheel (item 10).
- 11) Stamp a 1/4" tall 'A' on the topside of the outlet snout at the base of the bonnet assembly housing.
- 12) Fit the handwheel (item 10). Apply Loctite and tighten.
- 13) Make an entry in the balloon logbook, referencing the cylinder(s) serial number(s) and that this Service Bulletin has been complied with.
- 14) Complete the Compliance Form (supplied when the parts are ordered) and return it and a copy of the work order to Cameron Balloons US via mail, email or FAX.

- Notes:**
- 1) Lubricate all o-rings and the outer body of the cassette prior to assembly with silicone spray or silicone grease.
  - 2) The part number for the repair kit, which consists of items 2 and 3, is F825K.  
The part number for the outlet washer, item 5, is F005S & outer o-ring, item 4, is F005O.
  - 3) Special tool, part number F825T, may be purchased (\$29.50) or borrowed for a short period of time from Cameron Balloons. We will apply a deposit and refund it after the tool is returned in good condition. Shipping costs will be applied.

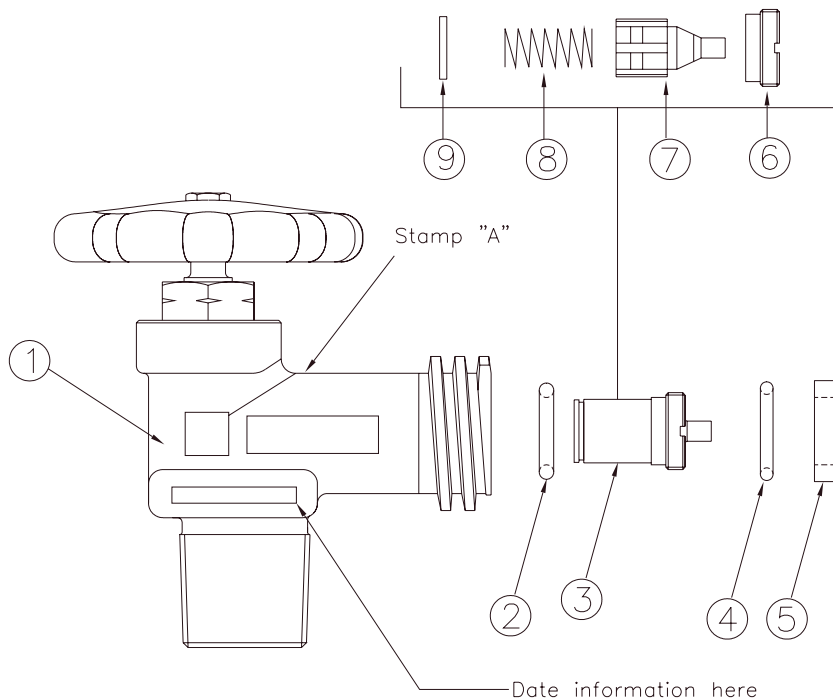
A refundable charge of \$45.50 will be invoiced for each repair kit. When the work is completed, fill out the Compliancy Form and return it for FULL CREDIT. The old parts DO NOT have to be returned for a credit to be issued but the old self-seal parts MUST be disposed of. The completed Compliancy Form MUST be returned for the issuance of a parts credit.

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Existing Self Seal Valve replaced by cassette (Item 3)



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