

Service Bulletin 31



1. General

(a) Service Bulletin No:	31
(b) Revision / Date	2 / January 2021
(c) Title:	Wear of Exposed Kevlar Control Cords
(d) Description:	Inspection of exposed Kevlar control cords when used in conjunction with metal rings
(e) Applicability:	EASA.BA.021 (Lindstrand, T&C, and Sky Balloons) All envelopes fitted with exposed Kevlar cord.
(f) Effectivity:	All applicable CN's on TC listed above. Except for Thunder & Colt envelopes CN3000 or later.

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 recent incident involving a Sky Balloons hopper envelope has been reported where the upper control line has failed after being significantly worn in service. The use of exposed Kevlar control cord (a Kevlar cord without a protective sheath) in conjunction with metal rings can cause significant wear when compared to sheathed lines used with pulleys.

3. Compliance (Category):

Recommended - within 30 days or before next flight, whichever is longer.

4. Consequences of Non-Compliance (Possible): Component Failure

5. Accomplishment Instructions:

Who: Pilot Owner

Inspect exposed Kevlar cord for wear on section that passes through metal rings in the envelope. Below shows a photo of the failed control cord near to its failure location:

Service Bulletin 31

**CAMERON
BALLOONS**



If the length of control cord that passes through the metal ring is significantly worn compared to parts of the control cord that do not pass through the ring, the control cord must be replaced.

Record the following statement inspection in the aircraft logbook: "Inspection SB31 complete" including the name, date, and signature of person carrying out inspection.

Contact Technical@cameronballoons.co.uk if damage sufficient to require replacement is found, quoting SB31.

6. Materials

If replacement is deemed necessary, the rip line should be replaced using any of the following materials:

CE-4135-0001 - 3.5mm Black Sheathed Kevlar Core
CE-4135-0002 - 3.5mm Green Sheathed Kevlar Core
CE-4135-0003 - 3.5mm Red Sheathed Kevlar Core

7. *Other Publications Affected:* None Affected

8. Mass (Weight)/Balance: Not Affected

9. *Maintenance and Operating Instructions:* Not Affected

10. *Additional Information:* None

Compiled by:

Notes:

Date: 25/01/2021

Name: D J Cameron

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

Service Bulletin 31

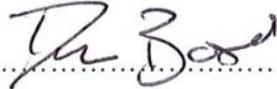


11. Design Organisation Approval

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: 25/01/2021

Name: D C Boxall

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: 25/01/2021

Name: D C Boxall