

**KITPLANES FOR AFRICA**

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## **SERVICE BULLETIN**

**AIRCRAFT EFFECTED:** Bushbaby, Explorer and Safari

**BULLETIN NUMBER:** SB017

**ORIGINAL ISSUE DATE:** 30-10-03

**REVISION DATE:** 18-11-08

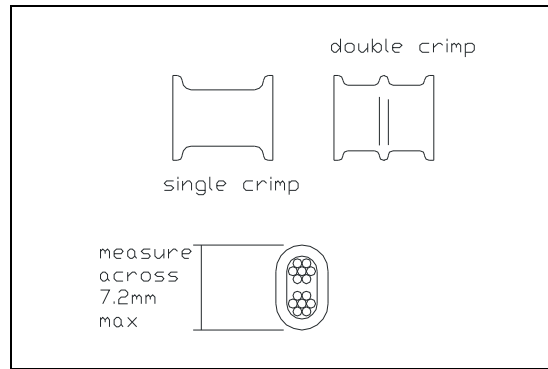
**SUBJECT:** Rudder cable crimp limits

**APPLICABILITY:** All KFA airframes

**COMPLIANCE:** Mandatory

**Problem:** There was a recorded case of a Bushbaby losing rudder control due to a rudder cable ferrule failing. Preliminary investigations indicate that the cable may not have been sufficiently swaged, resulting in the cable slipping through the ferrule.

## Solution:



### Cables installed before 30-10-03

1. Remove the protective shrink sleeve from the ferrule.
2. Visually inspect the ferrule ensuring that the ferrule has been crimped enough.
3. Ensure that there are two crimp areas of at least 5mm wide or a single crimped area of at least 9mm wide.
4. Check that the crimped area is at least 0.5mm from the ferrule edge.
5. Measure the diameter of the crimp. The diameter **should not exceed 7.2mm across the widest area.**
6. An AP must carry out the inspection as per attached inspection sheet.
7. Record the inspection in the aircraft logbook
8. Forward a copy of the attached report sheet and a copy of the signed log book page to the CAA.

### Uninstalled cables

1. Install the cables according to the manual but use an **additional** ferrule at each cable end.
2. Extra ferrules can be ordered from the factory.
3. Inspect the crimps as for "**Cables installed before 30-10-03**"
4. An Ap must inspect the fittings at the "Proving flight Authority" inspection.
5. The inspection must be endorsed on the Service Bulletin page of the logbook.

**Rudder cable ferrule inspection, SB017 refers.**

<b>Registration number:</b>	
<b>Airframe serial number:</b>	
<b>Airframe hours:</b>	

<b>Rudder pedal Left</b>	<b>1</b>	Visual inspection of cable crimp carried out.		
	<b>2</b>	Crimped area more than 0.5mm from edge of ferrule		
	<b>3</b>	Ferrule crimped		times.
	<b>4</b>	No fraying or other damage found on cable.		
	<b>5</b>	Crimped area measures	mm	across the widest area.

<b>Rudder pedal Right</b>	<b>1</b>	Visual inspection of cable crimp carried out.		
	<b>2</b>	Crimped area more than 0.5mm from edge of ferrule		
	<b>3</b>	Ferrule crimped		times.
	<b>4</b>	No fraying or other damage found on cable.		
	<b>5</b>	Crimped area measures	mm	across the widest area.

<b>Rudder horn Left</b>	<b>1</b>	Visual inspection of cable crimp carried out.		
	<b>2</b>	Crimped area more than 0.5mm from edge of ferrule		
	<b>3</b>	Ferrule crimped		times.
	<b>4</b>	No fraying or other damage found on cable.		
	<b>5</b>	Crimped area measures	mm	across the widest area.

<b>Rudder horn Right</b>	<b>1</b>	Visual inspection of cable crimp carried out.		
	<b>2</b>	Crimped area more than 0.5mm from edge of ferrule		
	<b>3</b>	Ferrule crimped		times.
	<b>4</b>	No fraying or other damage found on cable.		
	<b>5</b>	Crimped area measures	mm	across the widest area.

The cable ends have been inspected by me and found to be satisfactory/ unsatisfactory

AP Name \_\_\_\_\_ Signature & Stamp \_\_\_\_\_ Date \_\_\_\_\_

Forward this form with a copy of the signed logbook page to:

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