

The technical content of this document is approved under the authority of DOA ref. EASA. 21J.140 (C796)

## 7.11 LINDSTRAND CLOUDHOPPER (MK 1)

### 7.11.1 GENERAL

This supplement shall be inserted in the Maintenance Manual, in Section 7: 'Supplements' with the revision record sheet amended accordingly.

Information contained herein supplements, or in the case of conflict, supersedes that contained in the basic Maintenance Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult the basic Hot Air Balloon Maintenance Manual.

Issue 1 of this supplement consists of six pages.

### 7.11.2 ENVELOPE REPAIRS

No change.

### 7.11.3 BASKET REPAIRS

#### 7.11.3.1 Routine Maintenance

Clean the frame and harness and cylinder regularly. If muddy, allow to dry and brush away with a stiff brush.

**CAUTION:** NEVER clean the harness with strong solvent cleaners or other chemicals.

**CAUTION:** NEVER leave the harness wet or damp for prolonged periods.

#### 7.11.3.7 Basket Frames

Cameron Balloons Ltd. should be contacted for advice if the frame is cracked or the tubing is distorted.

### 7.11.4 FUEL SYSTEM REPAIRS

No change.

### 7.11.5 INSTRUMENT REPAIRS

No change.

**7.11.6 MAINTENANCE SCHEDULE**
**7.11.6.5 INSPECTION SCHEDULE**
**7.11.6.5.7 Burner and Block Swivel System**

<b>Burner Type:</b>		<b>Part No.:</b>	
<b>Burner Serial No.:</b>		<b>Frame Part No:</b>	
<b>Serialised Parts</b>			
<b>Coil</b>			
<b>Block</b>			

<b>Component</b>	<b>Check / Inspect / Record</b>	<b>Pass/Fail (✓) / (×)</b>
Main Valve Block	Check for cracking, distortion and corrosion.	
Burner System	System Leak Check (including manifolds).	
Hoses	Inspect all hoses, check dates (REF SB27) Record here:	
Pilot Valves	Check Shut off, free movement, correct function, lubricate if necessary.	
Main Valves	Check Shut off, free movement, correct function, lubricate if necessary.	
Selector Valve	Check operation, free movement, lubricate if necessary.	
Jets	Check security of Jets, tighten or replace as necessary.	
Coils	Check for damage, distortion, security of fasteners.	
Jetstream	Jetstream Burner Mod 650 stem fitted or SB23 inspection carried out.	
Valve Block/ Swivel System	Check swivel system for correct operation and fastening of all bearings and rollers.	
	Check assembly parts for cracking, warping etc, undue wear around the suspension holes and that fasteners are free of damage and of the correct type.	
	Check Maillon Links for condition and security and are of correct type.	
	Check the suspension ring for corrosion, deterioration, warping and cracking.	

Workpack No.	CN	Inspection Date	Inspectors Signature/No.
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7.11.6.5.8 LOAD FRAME

Load Frame Type			
Part No.:		Serial No.:	

Component	Check / Inspect / Record	Pass / Fail (✓) / (×)
Frame	Inspect welds for cracking.	
	Inspect tubes for distortion/deformation/cuts/gouges.	
	Inspect general condition (corrosion).	
Security	Check securing pins and hole locations for functionality and wear condition.	
Frame/Boss Assembly	Ensure assembly is free from excessive movement, distortion or cracking.	
Seat Anchor Assembly	Check associated anchor points are secure and undamaged.	
Frame/Cylinder Assembly	Ensure assembly is free from damage, cracking or distortion.	
	Ensure mating parts are securely fastened and in good order.	

Workpack No.	CN	Inspection Date	Inspectors Signature/No.
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**7.11.6.5.9 Fuel Cylinder & Seat Assembly**

No.	Man./Part no.	Serial No.	Initial Test date ( Manufacture Date)	Current Test Date	PRV Date
1					
2					

Component	Check / Inspect / Record	Pass/Fail (✓) / (×)	
		1	2
Cylinder	Check, periodic inspection for cylinder is valid (date).		
	Inspect for damage, corrosion.		
Liquid Valve	Inspect for damage, corrosion, correct operation .		
	Inspect self seal for correct operation, lubricate/replace as required. SB16/SB17.		
	Inspect O-ring seals, lubricate/replace as required.		
Pressure Relief Valve	Check, Date does not exceed life limit, single PRV fitted.		
	Inspect for contamination, corrosion.		
Fixed Liquid Level Gauge	Inspect for damage, corrosion, correct operation.		
	Inspect Fuelsafe for correct operation/leakage (if fitted).		
Contents Gauge	Inspect for damage, corrosion, freedom of movement.		
Vapour Valve	Inspect for damage, corrosion, correct operation (including regulator).		
	Inspect Quick Release Coupling for correct operation,sealing.		
Valve Guard	Inspect for damage, distortion, cracking or corrosion.		
Seat Assembly	Check structural assembly for damage, excessive play and cracking. Ensure fasteners are of correct type and secure.		
	Check seat anchors for damage, corrosion, distortion and cracking.		
Harness and Seat Wires	Checked for the correct type completeness and functionality. Inspect for damage.		
Padded Cover	Inspect for damage.		
Assembly	Inspect, Leak test all pressure holding joints using leak detector.		
	Functional Test.		

Workpack No.	CN	Inspection Date	Inspectors Signature/No.
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#### 7.11.6.6.5 Cloudhopper Chair

**Frame:** Check the frame for any distortion or cracking. Pay particular attention to the harness lugs and the frame joining pins.

**Harness:** Check the harness for wear or damage. Check that the buckle locks and releases correctly.

**Swivel System:** Rotate the main load frame and check for free running. Slight stiffness in localised areas is acceptable.

Hold the load frame adjacent to the front horizontal bearing. Push and pull the load frame towards the front bearing. There should not be more than 1 mm (1/25") of movement.

Repeat this process for the remaining horizontal bearings.

Rotate each bearing by hand and check that the rotation is smooth. If the bearings are in good condition, no further action is necessary. If there is excessive movement in the load ring frame, or if any of the bearings have failed, follow the Lindstrand Balloons Service Bulletin No. 2 for further instruction.

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