LINDSTRAND HOT AIR BALLOONS LTD

SERVICE BULLETIN NO. 12

ISSUE 2 – DATED 10-05-2012

TITLE:	Female ACME Thread Hose Connectors (Rego type)
Classification:	This Service Bulletin is mandatory.
Applicability:	All connectors supplied between 1-1-11 and 1-09-11 with part numbers HS6139 (3/8" BSPP back nut) and HS6144 (1/4"NPT back nut)
Serial Numbers Affected:	All burners with serial numbers given below:- BU1248, BU1251, BU1252, BU1256, BU1257, BU1258, BU1260, BU1261, BU1263, BU1264, BU1265, BU1267, BU1268, BU1269, BU1270, BU1271, BU1272, BU1273, BU1276, BU1277, BU1278, BU1280, BU1283, BU1284, BU1285 All manifolds with the serial numbers given below:- 1183, 1184, 1188, 1189, 1190, 1220, 1223, 1224 All re-fuelling hoses with the serial numbers below:- 1195, 1196, 1203, 1204, 1205, 1221, 1222 All female ACME connectors supplied as spares between 01 Jan 2011 and 01 Sept 2011. All connectors supplied with the following EASA Form One numbers:- 0815, 0836, 0837, 0868, 0907, 0908, 0924, 0951
Background:	We have had three reported incidents of the female ACME threaded connectors (Rego type) leaking when connected to the cylinder with the cylinder valve turned on. Investigation into the cause of these failures has revealed the possibility that other similar connectors produced between the dates given above may not have been assembled with sufficient tightness.

Accomplishment Instructions:

Inspection:

Connect the fuel hose to a supply of propane and open the cylinder valve so that the hose is pressurised. If compressed air is available this may be used as well. Disconnect the Female ACME coupling from the cylinder so that the pressure is retained in the hose. Pour leak detector fluid or water with washing up liquid into the female connector and observe for leaks for 1 minute (see photo 1)

Photo 1 Coupling showing a leak.

If no leak is detected, complete the attached form and note that Service Bulletin No. 12 has been complied with in the aircraft logbook and return the balloon to service. This Service Bulletin may be achieved by the Owner/Operator.

Corrective Action:

If a leak is detected then follow this procedure to tighten the threaded connection.
Tools required are a 22mm open ended spanner (wrench) A 13/16" long socket with an outside diameter of not greater than 27mm (1 and 1/16"), a suitable sized ratchet drive. Hold the back nut with the spanner (wrench) and use the ratchet and long socket to tighten the internal Spigot onto the back nut. (See Photo 2 for identification of parts) The indicative torque required is 30 -34 Nm (22-25lbf ft)

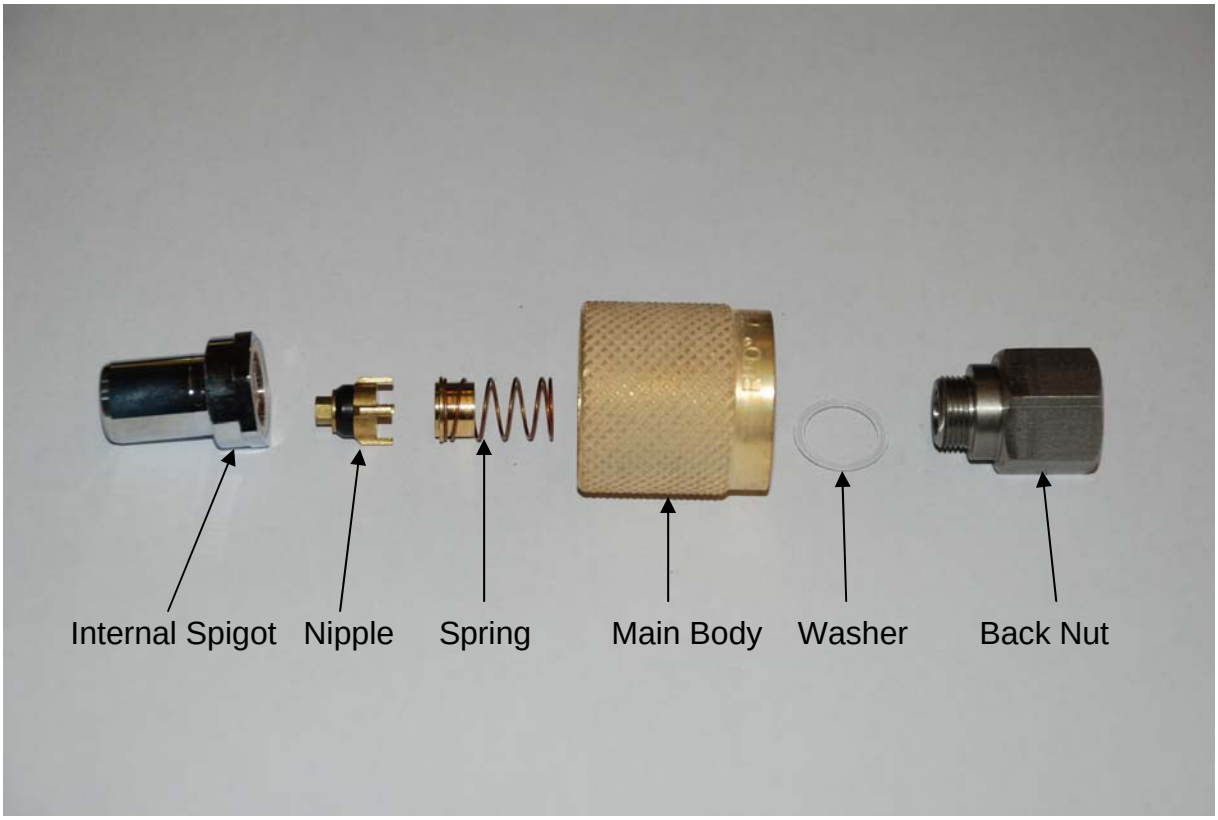

Photo 2 Coupling Components

Retest the integrity of the coupling by repeating the leak test described above.
If a leak is still detected then contact the factory for a replacement connector.

Photo 3 Tightening the coupling

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 Lindstrand Hot Air Balloons Ltd

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Head of Airworthiness

Date: .....10-05-2012..... Name: ..Simon Forse

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.175.

Signed for and on behalf of Lindstrand Hot Air Balloons Ltd

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Head of Airworthiness

Date: .....10-05-2012..... Name: ..Simon Forse

LINDSTRAND HOT AIR BALLOONS LTD

SERVICE BULLETIN NO. 12

INSPECTION REPORT FORM

Owners Name: .....

Equipment Ser.No.: .....

Type of Installation: .....

1. Burner Ser.No.: .....
2. Refuelling Hose (Balloon Ser.No.): .....
3. Manifold (Balloon Ser.No.): .....

Signed: .....

Appendix 1- Known Locations

Equipment Serial No.	Client	Country
BU1248	Goreme Balloons	Turkey
BU1251	LBUSA	USA
BU1252	LBUSA	USA
BU1256	Alois Geudon	Germany
BU1257	Royal Balloons	Turkey
BU1258	Dinler Hotels	Turkey
BU1260	Lowie Vanluffelen	Belgium
BU1261	LBUSA	USA
BU1263	LBUSA	USA
BU1264	Lowie Vanluffelen	Belgium
BU1265	Tom Abe	Japan
BU1267	Jacques Bernardin	France
BU1268	THK	Turkey
BU1269	Jacques Bernardin	France
BU1270	Jacques Bernardin	France
BU1271	Goreme Balloons	Turkey
BU1272	Jacques Bernardin	France
BU1273	Jacques Bernardin	France
BU1276	Jacques Bernardin	France
BU1277	Rize Up Ballooning	Israel
BU1278	Upp & Ner	Sweden
BU1280	Jacques Bernardin	France
BU1283	LBUSA	USA
BU1284	Paolo Marmentini	Italy
BU1285	Alois Geudon	Germany
1183	LBUSA	USA
1184	LBUSA	USA
1188	Uwe Tomschin	Germany
1189	Uwe Tomschin	Germany
1190	Alois Geudon	Germany
1220	LBUSA	USA
1223	Jacques Bernardin	France
1224	Jacques Bernardin	France
1195	Jacques Bernardin	France
1196	Jacques Bernardin	France
1203	Arkaduisz Iwanski	Poland
1204	Jacques Bernardin	France
1205	Jacques Bernardin	France
1221	Jacques Bernardin	France
1222	Jacques Bernardin Pulsat	France

EASA Form One Number	Client	Country
0815	Danny Bertels Ballooning	Belgium
0836	Glen Everett	UK
0837	Cameron Balloons Ltd	UK
0868	P. Kooistra	Netherlands
0907	J. Bernardin	France
0908	LBUSA	USA
0924	Serengeti Balloon Safaris	Tanzania
0951	Rize Up Ltd	Israel