


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 12-053</p> <p>Date: 25 May 2012</p> <p>Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.</p> <p>All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>	
<p>Design Approval Holder's Name :</p> <p>See list below</p>	<p>Type/Model designation(s) :</p> <p>Hot Air Balloons (see Applicability)</p>
<p>Altisph'air, Ballons Libert sprl, Ballonservice & Technik, Balóny Kubíček spol. s.r.o., Cameron Balloons Ltd., La Montgolfière Moderne, Lindstrand Hot Air Balloons Ltd, Llopis Balloons, Schroeder Fire Balloons GmbH, Ultramagic S.A., Zodiac-Espace</p>	
TCDS Numbers:	<p>Austria BA 009-ACG, United Kingdom (UK) BB5, UK BB19, UK BB20, UK BB25, EASA.BA.001, EASA.BA.002, EASA.BA.003, EASA.BA.004, EASA.BA.012, EASA.BA.013, EASA.BA.014, EASA.BA.015, EASA.BA.016, EASA.BA.017, EASA.BA.021, EASA.BA.120, EASA.BA.501, EASA.BA.502, EASA.BA.503, EASA.BA.504, EASA.BA.505, EASA.BA.506, EASA.BA.517, France No. 146, France No. 173 and France No.186.</p>
Foreign AD:	Not applicable
Supersedure:	None
ATA 25	Equipment/Furnishings – Female ACME Thread Hose Connectors – Inspection
Manufacturer(s):	<p>114 (714) ZO Svazarmu, Aviatik klub, Aerotechnik p.o.s., Aerotechnik s.r.o., Aerotechnik podnik ÚV Svazarmu, Altisph'air, Annonay Air Concept, Ballons Libert sprl, Ballons Chaize, Ballonservice & Technik, Balóny Kubíček spol. s.r.o., Cameron Balloons Ltd., Colt Balloons, Firma Johann Schön, Kubíček spol. s r.o., La Montgolfière Moderne, Lindstrand Balloons Ltd (LBL), Lindstrand Hot Air Balloons Ltd, Llopis Balloons, Pilatre de Rozier S.I.G.A. S.A., Schroeder Fire Balloons GmbH, Sky Balloons, Thunder Balloons, Thunder & Colt, Ultramagic S.A., Zodiac-Espace</p> <p>Note: The above list of manufacturers (some companies no longer exist) may not be exhaustive, due to lack of historical data. In case a balloon manufacturer name is missing, that cannot be taken as proof that this AD does not apply – see Applicability below.</p>
Applicability:	All balloon types as referenced by TCDS above, all models, all serial numbers.
Reason:	Three incidents were reported where the Female ACME threaded connectors (Rego type) was leaking when connected to the cylinder with the cylinder valve

	<p>turned on.</p> <p>The results of the technical investigations revealed the possibility that other similar connectors produced between 01 January 2011 and 01 September 2011 might not have been assembled with sufficient tightness. A list of potentially affected connectors has been drawn up.</p> <p>This condition, if not detected and corrected, could result, in case of an ignition source, in a fire hazard that could damage the balloon and its envelope, ultimately leading to a forced emergency landing, during which balloons occupants and persons on the ground could be injured.</p> <p>To address this potential unsafe condition, Lindstrand Hot Air Balloons Ltd. issued Service Bulletin (SB) N° 12, which, for the affected parts, requires accomplishment of an inspection of the Female ACME Thread Hose Connectors.</p> <p>For the reasons described above, this AD requires an inspection of the Female ACME Thread Hose Connectors for leakage, and, depending on findings, to re-torque the connectors using correct values.</p>												
Effective Date:	[TBD: 7 days after final AD issue date]												
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) For balloons equipped with connector Part Number (P/N) HS6139 (3/8" BSPP back nut) or P/N HS6144 (1/4"NPT back nut) with component serial numbers (S/N) as listed in Table 1 of this AD, within 30 days after the effective date of this AD, inspect the Female ACME thread hose connectors in accordance with instructions of Lindstrand Hot Air Balloons Ltd SB N° 12.</p> <p style="text-align: center;">Table 1 – Affected parts</p> <table border="1"> <tr> <th>Part Name</th><th>S/N</th></tr> <tr> <td>Female ACME Connector</td><td>All S/N supplied as spare parts between 01 January 2011 and 01 September 2011</td></tr> <tr> <td>Connector</td><td>S/N unknown, supplied with EASA Form 1 numbers: 0815, 0836, 0837, 0868, 0907, 0908, 0924, and 0951</td></tr> </table> <p style="text-align: center;">Table 2 - List of Burners and Manifolds, on which it is known that an affected connector has been installed</p> <table border="1"> <tr> <th>Part Name</th><th>S/N</th></tr> <tr> <td>Burner</td><td>BU1248, BU1251, BU1252, BU1256, BU1257, BU1258, BU1260, BU1261, BU1263, BU1264, BU1265, BU1267, BU1268, BU1269, BU1270, BU1271, BU1272, BU1273, BU1276, BU1277, BU1278, BU1280, BU1283, BU1284 and BU1285</td></tr> <tr> <td>Manifold</td><td>1183, 1184, 1188, 1189, 1190, 1220, 1223 and 1224</td></tr> </table> <p>Note: Lindstrand Hot Air Balloons Ltd SB N° 12 also lists some re-fuelling hoses S/N which are not listed in Table 1 of this AD, as those components are used for on-ground activities and therefore are not part of the approved balloon type design.</p>	Part Name	S/N	Female ACME Connector	All S/N supplied as spare parts between 01 January 2011 and 01 September 2011	Connector	S/N unknown, supplied with EASA Form 1 numbers: 0815, 0836, 0837, 0868, 0907, 0908, 0924, and 0951	Part Name	S/N	Burner	BU1248, BU1251, BU1252, BU1256, BU1257, BU1258, BU1260, BU1261, BU1263, BU1264, BU1265, BU1267, BU1268, BU1269, BU1270, BU1271, BU1272, BU1273, BU1276, BU1277, BU1278, BU1280, BU1283, BU1284 and BU1285	Manifold	1183, 1184, 1188, 1189, 1190, 1220, 1223 and 1224
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	<p>(2) If, during the inspection as required by paragraph (1) of this AD, a leak is detected, before next flight, apply the correct torque to tighten the threaded connection in accordance with the instructions of Lindstrand Hot Air Balloons Ltd SB N° 12.</p> <p>(3) From the effective date of this AD, do not install on a balloon a component as identified in Table 2 of this AD, fitted with a Female ACME connector, or a connector as listed in Table 1 of this AD, unless it has been inspected and, depending on findings, corrected in accordance with the instructions of Lindstrand Hot Air Balloons Ltd SB N° 12.</p>
Ref. Publications:	<p>Lindstrand Hot Air Balloons Ltd SB N° 12 dated 10 February 2012.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 08 June 2012. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive Directorate, EASA; E-mail ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: Lindstrand Hot Air Balloons Ltd., Maesbury Road, Oswestry, Shropshire SY10 8ZZ, The United Kingdom; telephone +44 (0) 1691-671717; facsimile +44 (0) 1691-671122; e-mail: simon@lindstrand.co.uk.