


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2014-0128</b></p> <p><b>Date: 16 May 2014</b></p> <p>Note: This Airworthiness Directive (AD) 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>This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
<p><b>Design Approval Holder's Name:</b></p> <p>AIRBUS HELICOPTERS</p>	<p><b>Type/Model designation(s):</b></p> <p>AS 332 and EC 225 helicopters</p>
TCDS Number:	EASA.R.002
Foreign AD:	Not applicable
Supersedure:	This AD supersedes EASA AD 2007-0244 dated 04 September 2007.
<b>ATA 25</b>	<b>Equipment &amp; Furnishings – Life Raft Inflation Cylinder – Replacement</b>
Manufacturer(s):	Airbus Helicopters (formerly Eurocopter, Eurocopter France, Aerospatiale)
Applicability:	AS 332 L2 and EC 225 LP helicopters, all serial numbers, equipped with Life Raft Inflation Cylinders, Part Number (P/N) 41918001 installed on Life Rafts P/N 00051047 and P/N 00051048.
Reason:	<p>A borescope inspection accomplished during a scheduled maintenance task revealed a wear on the internal skin of a helicopter life raft inflation cylinder P/N 41918001. The design review of the part installation identified that the metal end-fitting of the plunger tube end interferes with the internal surface of the cylinder due to horizontal installation of the cylinder aboard the helicopter. Vibrations generated by helicopter operation induce wear, which may result in a drop of internal pressure of the cylinder.</p> <p>This condition, if not corrected, could lead to functional failure of the cylinder, resulting in failure of the life raft to inflate.</p> <p>To address this potential unsafe condition, and, pending development of a design change of the inflation cylinder, EASA issued AD 2007-0244 to require removal from service of cylinders that have accumulated 2 500 flight hours (FH) or more since first installation or last overhaul, as applicable, and to prohibit further reinstallation of those cylinders.</p> <p>After that AD was issued, Airbus Helicopters issued Alert Service Bulletin (ASB) AS332-25.02.81 and ASB EC225-25A147, as applicable to helicopter model, to provide instructions for installation of an improved cylinder P/N 41918002 (MOD 0726786).</p> <p>For the reasons described above, this AD partially retains the requirements of</p>

	EASA AD 2007-0244, which is superseded, but additionally requires installation of the improved inflation cylinder P/N 41918002.								
Effective Date:	30 May 2014								
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) From 18 September 2007 [the effective date of EASA AD 2007-0244], do not install on any helicopter a life raft inflation cylinder P/N 41918001 which has accumulated equal to or more than 2 500 FH since first installation, or since last overhaul, or has accumulated more than 3 years since manufacture, or since last overhaul, as applicable.</li> <li>(2) Within the compliance time, accumulated by any of the two life raft inflation cylinders, specified in Table 1 of this AD, replace both installed life raft inflation cylinders with serviceable part P/N 41918002 in accordance with the instructions of Airbus Helicopters ASB AS332-25.02.81 or ASB EC225-25A147, as applicable to helicopter model.</li> </ol> <p style="text-align: center;">Table 1 – Inflation Cylinder Replacement</p> <table border="1"> <thead> <tr> <th colspan="2">Compliance Time (A or B or C, whichever occurs first)</th></tr> </thead> <tbody> <tr> <td><b>A</b></td><td>During the next scheduled overhaul after the effective date of this AD</td></tr> <tr> <td><b>B</b></td><td>Before exceeding 2 500 FH accumulated since first installation, or since last overhaul, as applicable</td></tr> <tr> <td><b>C</b></td><td>36 months after the date of manufacture, or since last overhaul, as applicable</td></tr> </tbody> </table> <ol style="list-style-type: none"> <li>(3) From the effective date of this AD, do not install on any helicopter a mix of life raft inflation cylinders having P/N 41918001 and P/N 41918002.</li> <li>(4) After modification of a helicopter as required by paragraph (2) of this AD, do not install any life raft inflation cylinder having P/N 41918001 on that helicopter.</li> </ol>	Compliance Time (A or B or C, whichever occurs first)		<b>A</b>	During the next scheduled overhaul after the effective date of this AD	<b>B</b>	Before exceeding 2 500 FH accumulated since first installation, or since last overhaul, as applicable	<b>C</b>	36 months after the date of manufacture, or since last overhaul, as applicable
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<b>A</b>	During the next scheduled overhaul after the effective date of this AD								
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Ref. Publications:	<p>Airbus Helicopters ASB AS332-25.02.81 original issue, dated 15 April 2014.</p> <p>Airbus Helicopters ASB EC225-25A147 original issue, dated 15 April 2014.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>								
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 16 April 2014 as PAD 14-072 for consultation until 14 May 2014. No comments were received during the consultation period.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact:  AIRBUS HELICOPTERS – Aéroport de Marseille Provence  13725 Marignane Cedex, France  Telephone +33 (4) 42 85 97 97, Facsimile +33 (4) 42 85 99 66  E-mail: <a href="mailto:Directive.technical-support@eurocopter.com">Directive.technical-support@eurocopter.com</a>.</li> </ol>								