

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2013-0133</b></p> <p><b>Date: 28 June 2013</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>
This AD is issued in accordance with EU 748/2012, Part 21A.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].	
<b>Design Approval Holder's Name:</b> EUROCOPTER	<b>Type/Model designation(s):</b> AS 350 and AS 355 helicopters
TCDS Number:	EASA.R.008, EASA.R.146
Foreign AD:	Not Applicable
Supersedure:	None
<b>ATA 64</b>	<b>Tail Rotor – Tail Rotor Hub Pitch Horn – Inspection / Replacement</b>
Manufacturer(s):	Eurocopter (formerly Eurocopter France, Aerospatiale)
Applicability:	<p>AS 350 B, AS 350 BA, AS 350 BB, AS 350 B1, AS 350 B2, AS 350 B3, AS 350 D, AS 355 E, AS 355 F, AS 355 F1, AS 355 F2, AS 355 N and AS 355 NP helicopters, all serial numbers, equipped with Tail Rotor Hub (TRH) pitch horn assemblies (hereafter called 'assembly') Part Number (P/N) 350A121368.01, P/N 350A121368.02, P/N 350A121368.03, or P/N 350A121368.04, incorporating TRH pitch horn (hereafter called 'part') P/N 350A121368.XX (where XX stands for two digit dash number excluding 01, 02, 03, and 04 which are reserved for assemblies).</p> <p>Note: Either the assembly P/N or the part P/N can be marked on the affected TRH pitch horns.</p>
Reason:	<p>Eurocopter have been informed of a case of crack detection on the yoke of a TRH pitch horn. The investigation of this occurrence is on-going and the cause has not yet been determined.</p> <p>This condition, if not detected and corrected, may eventually lead to the failure of the two horn yokes, resulting in the loss of the anti-torque function, possibly resulting in loss of control of the helicopter.</p> <p>To address this condition, Eurocopter issued Emergency Alert Service Bulletin (ASB) No. 05.00.74 for AS 350 helicopters and ASB No. 05.00.65 for AS 355 helicopters. Shortly thereafter, these ASBs have been updated and reissued by Eurocopter at Revision 1 to clarify that the affected TRH pitch horns can be</p>

	<p>identified by means of either assembly P/N's or part P/N's marked thereon and to implement a documentary change to some of tail rotor blade assembly log cards.</p> <p>For the reasons described above, this AD requires repetitive visual inspections of the affected TRH pitch horns to detect cracks and, depending on findings, replacement with a serviceable assembly.</p> <p>This AD is considered an interim action and further AD action may follow.</p>						
Effective Date:	03 July 2013						
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Initially, within the compliance time indicated in Table 1 of this AD and, thereafter, at intervals not to exceed 165 flight hours (FH), visually inspect both TRH pitch horns in accordance with the instructions of paragraph 3.B.2.a. of AS350 ASB No. 05.00.74 or AS355 ASB No. 05.00.65, as applicable to helicopter type.</p> <p style="text-align: center;">Table 1 – Initial inspection</p> <table border="1"> <thead> <tr> <th>FH accumulated by the TRH pitch horn on the effective date of this AD</th><th>Compliance Time</th></tr> </thead> <tbody> <tr> <td>More than 155 FH since new</td><td>Within 10 FH after the effective date of this AD</td></tr> <tr> <td>Less than or equal to 155 FH since new</td><td>Before exceeding 165 FH since new</td></tr> </tbody> </table> <p>(2) If, during any inspection as required by paragraph (1) of this AD, any crack is found, before next flight, replace the affected assembly in accordance with the instructions of paragraph 3.B.2.b. of AS350 ASB No. 05.00.74 or AS355 ASB No. 05.00.65, as applicable to helicopter type.</p> <p>(3) Replacement of a TRH pitch horn with a serviceable assembly as required by paragraph (2) of this AD does not constitute terminating action for the repetitive inspections required by paragraph (1) of this AD.</p>	FH accumulated by the TRH pitch horn on the effective date of this AD	Compliance Time	More than 155 FH since new	Within 10 FH after the effective date of this AD	Less than or equal to 155 FH since new	Before exceeding 165 FH since new
FH accumulated by the TRH pitch horn on the effective date of this AD	Compliance Time						
More than 155 FH since new	Within 10 FH after the effective date of this AD						
Less than or equal to 155 FH since new	Before exceeding 165 FH since new						
Ref. Publications:	<p>Eurocopter AS350 ASB No. 05.00.74 original issue dated 27 May 2013, or Rev. 1 dated 25 June 2013.</p> <p>Eurocopter AS355 ASB No. 05.00.65 original issue dated 27 May 2013, or Rev. 1 dated 25 June 2013.</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>If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.</li> <li>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>For any question concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STDI) – 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>						