

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2011-0172 Date: 07 September 2011 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.
This AD is issued in accordance with EC 1702/2003, 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].	
Type Approval Holder's Name : Eurocopter Deutschland GmbH	Type/Model designation(s) : EC 135 and EC 635 helicopters
TCDS Number: EASA.R.009	
Foreign AD: Not applicable	
Supersedure: None	
ATA 26	Fire Protection – Fire Extinguishing System Injection Tubes – Replacement
Manufacturer(s):	Eurocopter Deutschland GmbH (ECD), Eurocopter España S.A., Eurocopter S.A.
Applicability:	EC 135 P1(CDS), EC 135 P1(CPDS), EC 135 P2(CPDS), EC 135 P2+, EC 135 T1(CDS), EC 135 T1(CPDS), EC 135 T2(CPDS), EC 135 T2+, EC 635 T1(CPDS), EC 635 P2+ and EC 635 T2+ helicopters, all serial numbers, equipped with Single engine fire extinguishing system Part Number (P/N) L262M1808101, P/N L262M1812101 or P/N L262M1812102, or equipped with Dual engine fire extinguishing system P/N L262M1813102.
Reason:	A recent inspection has shown that the injection tubes of the fire extinguishing system on EC 135 and EC 635 helicopters are not compliant with the relevant airworthiness requirements, because they are also forming part of the firewall. This condition, if not corrected, may, in case of an engine fire, affect the function of the fire extinguishing system and degrade the fire containment capability of the system to such an extent that it could result in the inability to extinguish the engine fire. For the reasons described above, this AD requires modification of the affected injections tubes, or replacement of the tubes with modified, heat-resistant injection tubes.
Effective Date:	21 September 2011

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within the compliance time as specified in Table 1 of this AD, as applicable to the system installed on the helicopter, modify or replace the right-hand (RH) and left-hand (LH) injection tubes and elbow (if installed), as identified by P/N in Table 2 of this AD, in accordance with the instructions of Eurocopter Deutschland GmbH (ECD) Alert Service Bulletin (ASB) EC135-26A-003. Table 1 - System installed on the helicopter <table border="1" data-bbox="549 461 1378 759"> <tr> <th>Affected System:</th><th>Compliance time, after the effective date of this AD:</th></tr> <tr> <td>P/N L262M1808101, P/N L262M1812101, or P/N L262M1812102 Single engine fire extinguishing system</td><td>Within 9 months</td></tr> <tr> <td>P/N L262M1813102 Dual engine fire extinguishing system</td><td>Within 6 months</td></tr> </table> Table 2 – Parts to be modified/replaced <table border="1" data-bbox="580 869 1347 1160"> <tr> <td>For single engine fire extinguishing system:</td><td>RH tube P/N L262M1810101 LH tube P/N L262M1811801 and/or P/N L262M1809101</td></tr> <tr> <td>For dual engine fire extinguishing system:</td><td>RH tube P/N L262M1814101 RH tube P/N L262M1808212 LH tube elbow P/N L262M1815101 LH tube P/N L262M1808211</td></tr> </table> (2) From the effective date of this AD, do not install any injection tube or elbow, as identified by P/N in Table 2 of this AD, on any helicopter, unless the part has been modified in accordance with the instructions of ECD ASB EC135-26A-003.	Affected System:	Compliance time, after the effective date of this AD:	P/N L262M1808101, P/N L262M1812101, or P/N L262M1812102 Single engine fire extinguishing system	Within 9 months	P/N L262M1813102 Dual engine fire extinguishing system	Within 6 months	For single engine fire extinguishing system:	RH tube P/N L262M1810101 LH tube P/N L262M1811801 and/or P/N L262M1809101	For dual engine fire extinguishing system:	RH tube P/N L262M1814101 RH tube P/N L262M1808212 LH tube elbow P/N L262M1815101 LH tube P/N L262M1808211
Affected System:	Compliance time, after the effective date of this AD:										
P/N L262M1808101, P/N L262M1812101, or P/N L262M1812102 Single engine fire extinguishing system	Within 9 months										
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For single engine fire extinguishing system:	RH tube P/N L262M1810101 LH tube P/N L262M1811801 and/or P/N L262M1809101										
For dual engine fire extinguishing system:	RH tube P/N L262M1814101 RH tube P/N L262M1808212 LH tube elbow P/N L262M1815101 LH tube P/N L262M1808211										
Ref. Publications:	Eurocopter Deutschland GmbH ASB EC135-26A-003 Revision 01 dated 16 May 2011. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.										
Remarks :	- If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. - This AD was posted on 14 July 2011 as PAD 11-068 for consultation until 11 August 2011. No comments were received during the consultation period. - Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail ADs@easa.europa.eu. - For any question concerning the technical content of the requirements in this AD, please contact: Eurocopter Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Federal Republic of Germany Telephone: + 49 (0)151-1422 8976; Facsimile: + 49 (0)906-71 4111.										