

EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2013-0009	
	Date: 11 January 2013	
<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 EC 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>		
Design Approval Holder's Name :	Type/Model designation(s) :	
AGUSTAWESTLAND S.p.A.	A109 and A119 helicopters	
TCDS Number:	EASA.R.005	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 64	Tail Rotor – Blade Retaining Bolts – Inspection / Replacement	
Manufacturer(s):	AgustaWestland S.p.A (formerly Agusta S.p.A.), AgustaWestland Philadelphia Corporation (formerly Agusta Aerospace Corporation).	
Applicability:	A109C, A109K2, A109E and A119 helicopters, all serial numbers (s/n).	
Reason:	<p>Cases of cracked tail rotor (TR) blade retaining bolts, part number (P/N) 109-8131-09-1 installed on an A109K2 and on an A109E helicopter, have been reported.</p> <p>The investigation of these occurrences carried out by AgustaWestland revealed that the cracks were in the same area of the bolts and in correspondence with some corrosion pits.</p> <p>This condition, if not detected and corrected, could cause damage to, or loss of, a TR blade, possibly resulting in loss of control of the helicopter.</p> <p>For the reasons described above, this AD requires a one-time visual and liquid penetrant inspection TR blade retaining bolts. Thereafter, this AD also requires repetitive inspections of the TR blade retaining bolts and, if any crack, corrosion or damage is found, accomplishment of the applicable corrective actions.</p>	
Effective Date:	25 January 2013	

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the compliance time as specified in Table 1 of this AD, depending on the time in service of the TR blade retaining bolts on the effective date of this AD, accomplish a visual and liquid penetrant inspection of the retaining bolts P/N 109-8131-09-1 in accordance with the instructions of Part I of AgustaWestland Bollettino Tecnico (BT) 109-135, BT 109K-55, BT 109EP-125 or BT 119-052, as applicable, depending on helicopter model.</p> <p style="text-align: center;">Table 1 – First inspection</p> <table border="1" data-bbox="555 461 1453 759"> <thead> <tr> <th>Flight Hours (FH) accumulated by the TR blade retaining bolts on the effective date of this AD</th> <th>Compliance time</th> </tr> </thead> <tbody> <tr> <td>Less than 400 FH</td> <td>Before exceeding 500 FH accumulated by the retaining bolts</td> </tr> <tr> <td>400 FH or more</td> <td>Within 100 FH or 2 months, whichever occurs first after the effective date of this AD</td> </tr> </tbody> </table> <p>(2) After accomplishment of the inspection as required by paragraph (1) of this AD, within the compliance time specified in Table 2 of this AD, accomplish repetitive inspections of the TR blade retaining bolts P/N 109-8131-09-1 in accordance with the instructions of Part II of AgustaWestland BT 109-135, BT 109K-55, BT 109EP-125 or BT 119-052, as applicable, depending on helicopter model.</p> <p style="text-align: center;">Table 2</p> <table border="1" data-bbox="616 1021 1453 1337"> <thead> <tr> <th>Helicopter Model(s)</th> <th>Compliance time - Interval</th> </tr> </thead> <tbody> <tr> <td>A109C</td> <td>At each "300 FH helicopter inspection" or at intervals not to exceed 6 months, whichever occurs first</td> </tr> <tr> <td>A109K2, A109E and A119</td> <td>At each "200 FH helicopter inspection" or at intervals not to exceed 6 months, whichever occurs first</td> </tr> </tbody> </table> <p>(3) If, during any inspection as required by paragraph (1) or (2) of this AD, any crack, corrosion, damage or removal of cadmium plating in the central part of the bolt is identified, before next flight, replace the affected TR blade retaining bolt P/N 109-8131-09-1 with a serviceable part in accordance with the instructions of AgustaWestland BT 109-135, BT 109K-55, BT 109EP-125 or BT 119-052, as applicable, depending on helicopter model.</p> <p>(4) Replacement of TR blade retaining bolts as required by paragraph (3) of this AD does not constitute terminating action for the inspections as required by paragraphs (1) and (2) of this AD.</p> <p>(5) From the effective date of this AD, do not install a TR retaining bolt P/N 109-8131-09-1 that has accumulated more than 400 FH, on any helicopter unless it has passed the inspections as required by paragraph (1) of this AD.</p>	Flight Hours (FH) accumulated by the TR blade retaining bolts on the effective date of this AD	Compliance time	Less than 400 FH	Before exceeding 500 FH accumulated by the retaining bolts	400 FH or more	Within 100 FH or 2 months, whichever occurs first after the effective date of this AD	Helicopter Model(s)	Compliance time - Interval	A109C	At each "300 FH helicopter inspection" or at intervals not to exceed 6 months, whichever occurs first	A109K2, A109E and A119	At each "200 FH helicopter inspection" or at intervals not to exceed 6 months, whichever occurs first
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<p>Ref. Publications:</p>	<p>AgustaWestland BT 109-135 dated 19 December 2012. AgustaWestland BT 109K-55 dated 19 December 2012. AgustaWestland BT 109EP-125 dated 19 December 2012. AgustaWestland BT 119-052 dated 19 December 2012.</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">1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.2. 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.3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu.4. For any question concerning the technical content of the requirements in this AD, please contact: Agusta S.p.A. Customer Support Via del Gregge, 100 - 21015 Lonate Pozzolo (VA) – Italy Telephone + 39 0331 664600 ; Fax: + 39 0331 664684 E-mail: custserv@agustawestland.com.
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