

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2012-0029 Date: 15 February 2012 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 : AgustaWestland S.p.A.	Type/Model designation(s) : A119 and AW119MkII helicopters
TCDS Number:	EASA.R.005
Foreign AD:	Not applicable
Supersedure:	None
ATA 65	Tail Rotor Drive – Tail Rotor Drive Shaft – Replacement
Manufacturer(s):	AgustaWestland S.p.A (formerly Agusta S.p.A.), AgustaWestland Philadelphia Corporation (formerly Agusta Aerospace Corporation).
Applicability:	A119 and AW119MkII helicopters, all serial numbers.
Reason:	AgustaWestland Production Organization (PO) reported some cases of Tail Rotor Drive Shafts (TRDS) manufactured not in compliance with the design data due to incorrect execution of the bonding process between the flange and the tube. The results of the investigation conducted by AgustaWestland PO revealed that this non conformity has been caused by the use of an incorrect tool in the period July 2008 - July 2010. AgustaWestland has been able to identify a list of TRDS Part Numbers (P/N) and serial numbers (s/n) manufactured during that period. This condition, if not detected and corrected, could cause the separation of the flanges from the TRDS tube which would lead to loss of the tail rotor function, possibly resulting in loss of the helicopter. To address this condition, AgustaWestland have issued Bollettino Tecnico (BT) 119-45 for replacement of the affected TRDS P/N 109-0425-77-101 and P/N 109-0425-77-103, identified by s/n in this AD. For the reasons described above, this AD requires, depending on the number of flight hours (FH) accumulated by the TRDS, replacement of the affected parts with serviceable parts.

Effective Date:	29 February 2012													
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, depending on the time accumulated by the TRDS since first installation on an helicopter, or within 7 months after the effective date of this AD, whichever occurs first, replace the affected TRDS, with a P/N and s/n as listed in Table 2 of this AD, with a serviceable part in accordance with the instructions of AgustaWestland BT 119-45. Table 1 – TRDS Replacement <table border="1"> <tr> <th>Time accumulated by the TRDS</th><th>Compliance Time</th></tr> <tr> <td>Less than 2 400 FH</td><td>Upon accumulation of 2450 FH</td></tr> <tr> <td>2400 FH or more</td><td>Within 50 FH after the effective date of this AD</td></tr> </table> Table 2 – Affected TRDS <table border="1"> <tr> <th>P/N</th><th>s/n</th></tr> <tr> <td rowspan="2">109-0425-77-101</td><td>Q211 to Q252 inclusive</td></tr> <tr> <td>R253 to R347 inclusive</td></tr> <tr> <td>109-0425-77-103</td><td>R346/1 to R 355/1 inclusive</td></tr> </table> (2) From 7 months after the effective date of this AD, do not install on a helicopter a TRDS with a P/N and s/n as listed in Table 2 of this AD.	Time accumulated by the TRDS	Compliance Time	Less than 2 400 FH	Upon accumulation of 2450 FH	2400 FH or more	Within 50 FH after the effective date of this AD	P/N	s/n	109-0425-77-101	Q211 to Q252 inclusive	R253 to R347 inclusive	109-0425-77-103	R346/1 to R 355/1 inclusive
Time accumulated by the TRDS	Compliance Time													
Less than 2 400 FH	Upon accumulation of 2450 FH													
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P/N	s/n													
109-0425-77-101	Q211 to Q252 inclusive													
	R253 to R347 inclusive													
109-0425-77-103	R346/1 to R 355/1 inclusive													
Ref. Publications:	AgustaWestland Bollettino Tecnico 119-45 dated 08 February 2012. 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. - The required action and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. - Enquiries regarding this AD should be referred to the Safety information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. - For any questions concerning the technical content of the requirements in this AD, please contact: AgustaWestland S.p.A. Customer Support Via del Gregge, 100 - 21015 Lonate Pozzolo (VA) – Italy Telephone + 39 0331-664396 ; Fax: + 39 0331-664680 E-mail: custserv@agustawestland.com													