

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	AD No.: 2013-0152-E	
	Date: 17 July 2013 Note: This Emergency 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 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].		
Design Approval Holder's Name: AgustaWestland S.p.A		Type/Model designation(s): AB 412 helicopters
TCDS Number: ENAC Italy SO/A 375		
Foreign AD: Not applicable		
Supersedure: None		
ATA 62	Rotor(s) – Swashplate Assembly / Swashplate – Inspection / Replacement	
Manufacturer(s):	AgustaWestland S.p.A (formerly Agusta S.p.A.),	
Applicability:	AB 412 helicopters, all manufacturer serial numbers.	
Reason:	Two cases of swashplate outer ring assemblies Part Number (P/N) 412-010-407-105 crack were reported on AB 412 helicopters. The subsequent investigation results revealed fatigue failure as the cause of reported cracking. This condition, if not detected and corrected, could lead to the loss of main rotor blade pitch control, possibly resulting in loss of control of the helicopter. To address this potential unsafe condition AgustaWestland issued Bollettino Tecnico (BT) 412-134 to provide inspection and replacement instructions for the swashplate outer ring. For the reasons described above, this AD requires repetitive inspections of the affected swashplate outer ring and, depending on findings, replacement. This AD also requires replacement of the affected P/N 412-010-407-105 swashplate outer rings with improved P/N 412-010-407-117 outer rings, which is a terminating action for the repetitive inspections.	
Effective Date:	19 July 2013	

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 5 flight hours (FH) after the effective date of this AD, and thereafter at intervals not to exceed 25 FH, inspect the swashplate outer ring P/N 412-010-407-105 for cracks in accordance with instructions of AgustaWestland BT 412-134. (2) If, during any inspection as required by paragraph (1) of this AD, a cracked swashplate outer ring is detected, before next flight, replace the swashplate outer ring P/N 412-010-407-105 with a serviceable part in accordance with the instructions of AgustaWestland BT 412-134. (3) Within 300 FH or 8 months after the effective date of this AD, whichever occurs first, unless already accomplished as required by paragraph (2) of this AD, replace the swashplate outer ring P/N 412-010-407-105 with a P/N 412-010-407-117 swashplate outer ring in accordance with the instructions of AgustaWestland BT 412-134. (4) Replacement on a helicopter of swashplate outer ring P/N 412-010-407-105 with a P/N 412-010-407-117 swashplate outer ring, as required by paragraph (2) or (3) of this AD, constitutes terminating action for the repetitive inspections as required by paragraph (1) of this AD for that helicopter. (5) After modification of a helicopter as required by paragraph (3) of this AD, do not install a swashplate outer ring P/N 412-010-407-105 on that helicopter. (6) For helicopters that, on the effective date of this AD, do not have a swashplate outer ring P/N 412-010-407-105 installed, from the effective date of this AD, do not install a swashplate outer ring P/N 412-010-407-105 on that helicopter.
Ref. Publications:	AgustaWestland BT 412-134 dated 15 July 2013. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process. 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: AgustaWestland S.p.A. Customer Support Via del Gregge, 100 - 21015 Lonate Pozzolo (VA) – Italy Telephone + 39 0331-664873 ; Fax: + 39 0331-664680 E-mail: absereng@agustawestland.com.