


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2014-0102-E</p> <p>Date: 02 May 2014</p> <p>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.</p>
<p>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].</p>	
<p>Design Approval Holder's Name : AGUSTAWESTLAND S.p.A.</p>	<p>Type/Model designation(s) : AB 206 helicopters</p>
TCDS Number:	ENAC Italy SO/A140
Foreign AD:	Not applicable
Supersedure:	None
ATA 64	Tail Rotor – Tail Rotor Drive Shaft Line Nuts – Inspection / Replacement
Manufacturer(s):	Agusta S.p.A. (formerly Costruzioni Aeronautiche G. Agusta S.p.A.)
Applicability:	AB 206 A and AB 206 B helicopters, all serial numbers
Reason:	<p>During scheduled inspection of the tail rotor drive shaft line of another AgustaWestland helicopter model, one nut Part Number (P/N) MS21042L4 that connects a flexible coupling with the coupling adapter was found cracked. Such nuts are also installed on the tail rotor drive shaft line of AB 206 helicopters.</p> <p>The subsequent technical investigation identified that the reported crack of the nut was the result of a production deficiency (causing hydrogen embrittlement) at the nut supplier.</p> <p>This condition, if not detected and corrected, could lead to failure of the tail rotor, possibly resulting in loss of control of the helicopter.</p> <p>To address this unsafe condition, AgustaWestland issued Bollettino Tecnico (BT) 206-250 to provide instructions for inspection and replacement of the affected nuts.</p> <p>For the reason described above, this AD requires repetitive inspections of nuts P/N MS21042L4 installed on the tail rotor drive shaft line and replacement of nuts with serviceable parts having a new P/N.</p>
Effective Date:	06 May 2014

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within 10 flight hours (FH) after the effective date of this AD and, thereafter, at intervals not to exceed 25 FH, inspect each nut P/N MS21042L4 installed on the tail rotor drive shaft line in accordance with the instructions of AgustaWestland BT 206-250. (2) If, during any inspection as required by paragraph (1) of this AD, a nut is found cracked, before next flight, replace the nut with a serviceable nut having P/N MS21043-4 in accordance with the instructions of AgustaWestland BT 206-250. (3) Unless each nut P/N MS21042L4 was replaced with a serviceable nut as required by paragraph (2) of this AD, within 3 months after the effective date of this AD, modify the helicopter by replacing each nut P/N MS21042L4 with a serviceable nut having P/N MS21043-4 in accordance with the instructions of AgustaWestland BT 206-250. (4) Replacement of each affected nut as required by paragraph (2) or (3) of this AD, as applicable, constitutes terminating action for the repetitive inspections required by paragraph (1) of this AD. (5) From the effective date of this AD, do not install a nut having P/N MS21042L4 on the tail rotor drive shaft line of any helicopter.
<p>Ref. Publications:</p>	<p>AgustaWestland BT 206-250 dated 30 April 2014.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> 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: 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.