

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	EAD No : 2007-0180-E Date: 29 June 2007	
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.		
Type Approval Holder's Name :		Type/Model designation(s) :
EUROCOPTER		EC225LP helicopters
TCDS Number: EASA R.002		
Foreign AD: Not applicable		
Supersedure: Not applicable		
ATA 62	Main Rotor – Blade Leading Edge Protective Strip – Check	
Manufacturer(s):	Eurocopter; Eurocopter France	
Applicability:	EC 225 LP helicopters, all serial numbers, if Main Rotor Blades with Part Number (P/N) 332A11.0050.00 or P/N 332A11.0055.00 are installed.	
Reason:	<p>Recently, significant de-bonding of the stainless steel protective strip was discovered on main rotor blades installed on a Eurocopter EC 225 LP helicopter. The initial investigation revealed rapidly progressing de-bonding which may be due to water that may have entered from the crack that was detected in the leading edge stainless steel protective strip. This condition, if undetected, can result in loss of the main rotor blade stainless steel protective strip, and vibrations induced by the weight unbalance may compel the pilot to land immediately.</p> <p>For the reasons described above, this Emergency Airworthiness Directive (EAD) requires the initial and repetitive inspection of the stainless steel protective strips on the leading edge of the main rotor blades and replacement of main rotor blades, as necessary.</p>	
Effective Date:	03 July 2007	
Compliance:	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the next 15 flight hours (FH) after the effective date of this directive and thereafter at intervals not to exceed 85 FH, visually inspect and tap test the leading edge stainless steel protective strip on each of the main rotor blades in accordance with the instructions of Paragraph 2.B of Eurocopter EC 225</p>	

	<p>Alert Service Bulletin (ASB) 05A010 dated 28 June 2007;</p> <p>(2) If no crack, no cut and no de-bonding is found; or if blind de-bonding is found within the permissible criteria defined in Aircraft Maintenance Manual (MMA) Task 62-10-00-211; or if open de-bonding is found, located inside area D at the end of the blade main section on the blade tip cap side (see Figure 1 in the ASB) AND still within the permissible criteria defined in MMA Task 62-10-00-211: The helicopter may be returned to service until the next inspection as required by paragraph (1) of this directive;</p> <p>(3) If open de-bonding is found, located outside area D at the end of the blade main section on the blade tip cap side (see Figure 1 in the ASB), still within the permissible criteria defined in MMA Task 62-10-00-211; and/or if a cut is found in the blade root polyurethane protective strip AND no de-bonding of the area (see Figure 2 in the ASB); and/or if a crack is found in the blade leading edge, still within the permissible criteria defined in MMA Task 62-10-00-211: In addition to the requirement of paragraph (1) of this directive, tap test the affected blade at intervals not to exceed 15 FH in accordance with the instructions of Paragraph 2.B.2.b and/or 2.B.2.c and/or 2.B.2.d, as applicable, of Eurocopter EC 225 ASB 05A010 dated 28 June 2007;</p> <p>(4) If blind or open de-bonding is found or if a crack is found beyond the permissible criteria defined in MMA Task 62-10-00-211, before next flight, replace the affected blade with an airworthy part.</p>
Ref. Publications:	EUROCOPTER EC 225 LP ASB 05A010 dated 28 June 2007 or later approved revisions.
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this EAD should be referred to the AD Focal Point - Certification Directorate, EASA; E-mail: ADs@easa.europa.eu . 4. For any question concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STDI) - Aéroport de Marseille Provence 13725 Marignane Cedex - France. Tel: 33 (0) 4 42 85 97 97 - Fax: 33 (0) 4 42 85 99 66. E-mail: Directive.technical-support@eurocopter.com.