


<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<b>AD No.: 2007-0197-E</b>  <b>Date: 24 July 2007</b>	
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.		
<b>Type Approval Holder's Name:</b>		<b>Type/Model designation(s):</b>
EUROCOPTER		EC 225 LP helicopters
TCDS Number: EASA R.002		
Foreign AD: Not applicable		
Supersedure: This Emergency AD (EAD) supersedes EASA AD 2007-0083-E dated 29 March 2007, and including its 'Correction' dated 30 March 2007.		
<b>ATA 62</b>	<b>Main Rotor System – M/R Hub Coning Stop Support &amp; Dome Fairing Support Attachments – Check / Replacement / Readjustment</b>	
<b>Manufacturer(s):</b>	EUROCOPTER	
<b>Applicability:</b>	EC 225 LP helicopters, all serial numbers	
<b>Reason:</b>	<p>EASA issued successively Emergency Airworthiness Directive (EAD) 2006-0040-E and EAD 2007-0083-E following a few reported cases of cracks and failure of the main rotor hub coning stop support lugs at their attachment points on the reinforcement ring where the dome fairing is secured. Some further cracks affecting the dome fairing support assemblies, in particular, those modified per modification 332A08.0929.00 (EUROCOPTER EC225 Service Bulletin No. 62-005) have been reported afterwards. These new cracks concern by now the lugs securing the dome fairing support itself on the reinforcement ring. Failure of the coning stop support attachment lugs or of the dome fairing support attachment lugs may result in the loss of the dome fairing with severe damage to the blades, but be also a danger to persons on the ground.</p> <p>For the reason stated above, this new EAD retains the requirements of both EAD 2006-0040-E and EAD 2007-0083-E and requires in addition to ensure at each flight-related check (every 15 flight hours or 7 days) that there is no crack in the dome fairing support lugs, in the area of their attachment points on the reinforcement ring, and to remove from service at the latest by September 1, 2007, the components resulting from modification 332A08.0929.00, embodied according to EUROCOPTER EC225 Service Bulletin (SB) No. 62-005.</p>	
<b>Effective Date:</b>	26 July 2007	

Compliance:	<p>(1) At the latest at the next flight-related check (every 15 flight hours or 7 days, the first limit reached is applicable) after the effective date of this directive, or after the previous flight-related check as required by paragraph (1) of EASA EAD 2007-0083-E, whichever occurs first, and thereafter at each flight-related check, carry out a visual check, or if in doubt a dye penetrant check, for crack detection inspection in the area of the attachment points on the main rotor hub reinforcement ring of the lugs securing the coning stop support <b>and also</b> of the lugs securing the dome fairing support, in accordance with the instructions given in paragraph 2.B.1 of EUROCOPTER EC225 Alert Service Bulletin (ASB) No. 05A003 Revision 1;</p> <p>(2) If a crack is found in one of the five lugs of the coning stop support and / or in one of the five lugs of the dome fairing support, before resuming flights, remove and replace the coning stop support assembly and/or remove and replace the dome fairing support before resuming flights.</p> <p>(3) To be able to reach the place where the coning stop support assembly or the dome fairing support will be replaced, flight without the dome fairing itself is permitted on the condition that:</p> <ul style="list-style-type: none"> <li>- the dome fairing and its attachment screws are removed in accordance with the instructions given in the Note in paragraph 2.B.1.b of the referenced ASB; and</li> <li>- the flight crews are informed that when flying without the dome fairing, the lateral vibration of the helicopter significantly deteriorates at speeds of 70 to 120 KIAS but that this phenomenon only affects the comfort of the helicopter and in no way jeopardizes flight safety.</li> </ul> <p>(4) For helicopters that have been modified in accordance with EUROCOPTER EC225 SB No. 62-005 (modification 332A08.0929.00), in addition to paragraphs (1), (2) and (3) above, at the latest at the next flight-related check (every 15 flight hours or 7 days, the first limit reached is applicable) after the effective date of this directive, or after the previous flight-related check as required by paragraph (4) of EASA EAD 2007-0083-E, whichever occurs first, and thereafter at intervals not exceeding 25 flight hours, readjust the tightening torque of the screws securing the dome fairing support to the reinforcement ring, in accordance with the instructions given in paragraph 2.B.1 of EUROCOPTER EC225 ASB No. 05A003 Revision 1;</p> <p>(5) From the effective date of this directive, modification of any helicopters in accordance with EUROCOPTER EC225 SB No. 62-005 (mod 332A08.0929.00) is no longer authorized;</p> <p>(6) Not later than 01 September 2007, all components installed and/or modified as a result of modification 332A08.0929.00 specified in EUROCOPTER EC225 SB No. 62-005 must be removed from service.</p>
Ref. Publications:	EUROCOPTER EC225 Alert Service Bulletin No. 05A003 Revision 1 or later approved revisions.
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Method of Compliance (AMOCs) for this AD.</li> <li>2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.</li> <li>3. Enquiries regarding this AD should be addressed to Focal Point Certification Directorate, EASA; E-mail: <a href="mailto:Ads@easa.europa.eu">Ads@easa.europa.eu</a></li> <li>4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STDI)-Aéroport de Marseille Provence 13725 Marignane Cedex- France; Tel: +33 (4) 42 85 97 97; Fax: +33 (4) 42 85 99 66. E-mail: <a href="mailto:directive.technical-support@eurcopter.com">directive.technical-support@eurcopter.com</a></li> </ol>