

EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No: 2006 – 0253</p> <p>Date: 22 August 2006</p>	
<p>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.</p>		
<p>Type Approval Holder's Name: EUROCOPTER</p>	<p>Type/Model designation(s): EC 120 helicopters</p>	
<p>TCDS Number: France 189</p>		
<p>Foreign AD: None.</p>		
<p>Supersedes: EASA AD No. 2006-0093</p>		
<p>ATA 76</p>	<p>Engine Controls – Twist Grip Assembly</p>	
<p>Manufacturer:</p>	<p>EUROCOPTER</p>	
<p>Applicability:</p>	<p>EC 120 B helicopters equipped with a twist grip assembly, part numbers (PN):</p> <ul style="list-style-type: none"> - C761A2024102 and C761A2024103, all serial numbers (SN), and C761A2024104 with SN below 0418, - C761A2025102 and C761A2025103, all SN, and C761A2025104 with SN below 0382. 	
<p>Reason:</p>	<p>This Airworthiness Directive (AD) is issued following a case experienced during an autorotation training procedure during which the engine remained at idle rating although the twist grip had been turned back to the flight position.</p> <p>Analysis has revealed failure of the twist grip drive tube and control pinion bonded attachment due to non-compliant preparation of the bonding surfaces on the two components.</p> <p>The purpose of this latest AD which supersedes AD 2006-0093, in accordance with referenced Revision 1 of EUROCOPTER EC 120 Alert Service Bulletin (ASB) No. 76A006, is to:</p> <ul style="list-style-type: none"> - Extend applicability to twist grips, PN C761A2024102, C761A2024103, C761A2025102 and C761A2025103, as a precaution, although the risk of non-compliant surface preparation is not suspected at present. 	

	Specify that non-installed LH twist grips are to be installed on the helicopter, so that they can be checked properly.
Effective Date:	01 September 2006
Compliance:	<p>1. Reminder of the measures that are mandatory as from May 5, 2006, the effective date of AD 2006-0093 for twist grips, PN C761A2024104 with SN below 0418, and PN C761A2025104 with SN below 0382:</p> <p>No later than within 110 flying hours or within 4 months (the first limit reached is applicable), check the bonding between the pilot and copilot collective lever drive tubes and the control pinions, by applying a load to the twist grip, in compliance with the instructions specified in paragraphs 2.B.1 and 2.B.2 of the referenced ASB.</p> <p>2. The following measures are mandatory as from the effective date of this AD for twist grips, PN C761A2024102, C761A2024103, C761A2025102 and C761A2025103,</p> <p>No later than within 50 flying hours or 2 months (the first limit reached is applicable), check the bonding between the pilot and copilot collective lever drive tubes and the control pinions, by applying a load to the twist grip, in compliance with the instructions specified in paragraphs 2.B.1 and 2.B.2 of the referenced ASB.</p> <p>3. Interpretation of the result: If the twist grip turns when applying the load to the twist grip: Before resuming flights, replace the collective lever, in compliance with the instructions specified in paragraph 2.B.3. of the referenced ASB.</p> <p>4. Before installation on a helicopter, of a twist grip assembly held as spares, comply with the instructions specified in paragraph 2.B.4. of the referenced ASB.</p>
Ref. Publications:	EUROCOPTER EC 120 Alert Service Bulletin No. 76A006 R1 or later approved revisions.
Remarks:	<p>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.</p> <p>2. This AD was posted as PAD 06-180 for consultation on 11 July 2006 with a comment period until 21 July 2006. No comments were received during the consultation period.</p> <p>3. Enquiries regarding this AD should be addressed to Mr. M. Capaccio, AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu</p> <p>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. Ph.: +33 (0) 4 42 85 97 97 - Fax: +33 (0) 4 42 85 99 66. E-mail: Directive.technical-support@eurocopter.com</p>