


<b>EASA</b>	<b>PROPOSED AIRWORTHINESS DIRECTIVE</b>	
	<b>PAD No.: 06 – 043</b>	
	<b>Date: 23 February 2006</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> EUROCOPTER		<b>Type/Model designation(s):</b> AS 350
TCDS Number: EASA. R. 008		
Foreign AD: None.		
Supersedes: None.		
<b>ATA 76</b>	<b>Engine Controls – Twist Grip Assembly</b>	
Manufacturer(s):	EUROCOPTER	
Applicability:	AS 350 B3 helicopters, equipped with twist grips before embodiment of MOD 073261 (new twist grip assembly compatible with the ARRIEL 2B1 engine installation).	
Reason:	<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 jamming of the "forced idle" microswitch (called microswitch in the text below) pin in the pushed-in position.</p> <p>The jamming results in the engine speed being held at "forced idle":</p> <ul style="list-style-type: none"> <li>- when the pilot turns the twist grip back to the "FLIGHT" position on completion of autorotation training,</li> </ul> <p>or,</p> <ul style="list-style-type: none"> <li>- when the pilot turns the grip in the low flow rate direction during training for governor failure.</li> </ul>	
Effective Date:	Proposed: 24 March 2006	

Compliance:	<p>The following measures are rendered mandatory as from the effective date of this AD:</p> <ol style="list-style-type: none"> <li>1. No later than within 110 flying hours, adjust the microswitch and check it for correct operation, in compliance with the instructions specified in paragraphs 2.B.2. and 2.B.3. of referenced EUROCOPTER AS 350 Alert Service Bulletin (ASB) No. 05.00.49.</li> <li>2. Replace the microswitch in compliance with the instructions specified in paragraph 2.B.4. of the referenced ASB: <ul style="list-style-type: none"> <li>- For helicopters with less than 440 flying hours: at the latest at 550 flying hours, carrying out the checks defined in paragraph 3. of this AD before the helicopter has logged 550 flying hours.</li> <li>- For helicopters with 440 flying hours or more: no later than within 110 flying hours.</li> </ul> </li> <li>3. Carry out a functional test of the micro switch every 110 flying hours, in compliance with the instructions specified in paragraph 2.B.3. of the referenced ASB.</li> <li>4. Replace the microswitch every 550 flying hours in compliance with the instructions specified in paragraph 2.B.4 of the referenced ASB.</li> </ol>
Ref. Publications:	EUROCOPTER AS 350 Alert Service Bulletin No. 05.00.49, 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 closing date for comments is 09 March 2006.</li> <li>3. Enquiries regarding this Airworthiness Directive should be referred to Mr. M. Capaccio, Airworthiness Directive Focal Point - Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.eu.int">ADs@easa.eu.int</a></li> <li>4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STXI) - 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 : <a href="mailto:Directive.technical-support@eurocopter.com">Directive.technical-support@eurocopter.com</a></li> </ol>