

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p style="text-align: center;">EAD No : 2006-0326-E</p> <p style="text-align: center;">Issued: 23 October 2006</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>Type Approval Holder's Name :</p> <p>Dowty Propellers (part of Smiths Aerospace Limited)</p>	<p>Type/Model designation(s) :</p> <p>R321/4-82-F/8, R324/4-82-F/9, R333/4-82-F/12 and R334/4-82-F/13</p>
TCDS Number : United Kingdom CAA Letter 9/80/PR7/6, dated 3 April 1981 (for R321 and R324); and Propeller TCDS No.108 (for R333) and 115 (for R334).	
Foreign AD : Not applicable	
Supersedure : Not applicable	
ATA 61	Propellers – Blades – Inspection / Rework
Manufacturer(s): Dowty Propellers	
Applicability:	All Dowty R321/4-82-F/8, R324/4-82-F/9, R333/4-82-F/12 and R334/4-82-F/13 propellers, if blades are installed with serial numbers (s/n) A156121 through A156132, A156137 through A156160, A156165 to A156168, A156177 through A156184, A156194 and A156196 through A156200. These propellers are known to be installed on, but not limited to CASA 212; M7 Aerospace (formerly Fairchild; Swearingen) SA227TT, SA227AT and SA227AC; and BAE Systems (formerly British Aerospace) Jetstream 3100 and 3200 series aeroplanes.
Reason:	One propeller blade has recently been identified after delivery from Dowty Propellers where the blade counterweight capscrew holes have not been correctly drilled. If the capscrew holes are not machined to their required depth, it may appear that the capscrew has been correctly assembled, but the counterweight will not be properly retained. This condition, if not corrected, could result in failure (due to fatigue) of one or more capscrews, release of the counterweight during propeller operation and consequent risk of injury to aircraft occupants and persons on the ground. Dowty has concluded that the problem is associated only with blades manufactured between April and July 2006, identified by serial number in the applicability section of this directive. Since an unsafe condition has been identified that is likely to exist or develop on other aircraft that have these propeller blades installed, this Emergency Airworthiness Directive is issued to require the identification, inspection and, where necessary, rework of the affected propeller blades.
Effective Date:	24 October 2006

Compliance:	<ol style="list-style-type: none"> 1. Before next flight after the effective date of this directive, identify the propeller blades that have a serial number listed in the applicability section of this directive and inspect the affected blades in accordance with the instructions contained in the referenced Dowty Propellers Alert Service Bulletin (ASB), as applicable; 2. When discrepancies are found, before further flight, the counterweight attachment holes must be re-machined. Contact Dowty Propellers, address indicated in the remarks section of this directive, for advice. 3. After the effective date of this directive, no person may install one of the listed s/n propeller blades on an aircraft unless the blade has been inspected and, if necessary, reworked in accordance with the requirements of this directive.
Ref. Publications:	Dowty Propellers ASB 61-A1133 (for R334) or ASB 61-A1134 (for R321, R324 and R333), as applicable, both dated 20 October 2006 or a later approved revision.
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 AD should be addressed to the AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any questions concerning the technical content of the requirements in this AD, please contact: Dowty Propellers, Anson Business Park, Cheltenham Road East, Gloucester GL2 9QN, United Kingdom; Tel +44 (0) 1452 716000 Fax +44 (0) 1452 716001; e-mail mtowkan@dap.dowty.com