

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p>AD No : 2006 - 0104 – E</p> <p>Date: 26 April 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.	
Type Approval Holder's Name : Hamilton Sundstrand	Type/Model designation(s) : 14RF-9 Propeller
TCDS Number : FAA P11NE	
Foreign AD : None	
Supersedure : None	
ATA 61	Propeller - 14RF-9 - Blade Inspection for Patch Debonding
Manufacturer(s):	Hamilton Standard, Hamilton Sundstrand
Applicability:	<p>Propeller Blade Model 14RF-9, serial number less than 885751, which have been previously repaired in accordance with Hamilton Sundstrand Alert Service Bulletin 14RF-9-61-A92. These blades are identified with a +E stencilled on the airfoil and/or stamped on the shank portion of the blade spar.</p> <p>Propeller blades which have been repaired in accordance with Repair 4-29 of Hamilton Sundstrand Component Maintenance Manual 61-13-04 and marked +E2 are not concerned by the present EASA AD.</p> <p>The 14RF-9 propeller is installed on, but not limited to, the EMBRAER EMB-120() aeroplane.</p>
Reason:	Some blades which have been previously repaired in accordance with Alert Service Bulletin 14RF-9-61-A92 have exhibited debonds of the adhesive/fibreglass repair patch from the blade spar. Recently, a blade returned for inspection exhibited corrosion of the blade spar under a delaminated patch. Continued operation with corrosion on the spar can adversely affect its structural integrity, potentially leading to fracture and loss of the blade.

Effective Date:	26 April 2006
Compliance:	<p>The following mandatory actions are required as indicated below:</p> <p>Within 50 flights from EASA AD effective date or by May 8, 2006, whichever occurs first, verify that the in service propeller blades have been inspected in accordance with Alert Service Bulletin 14RF-9-61-A143, revision 1 or later approved revisions, or in accordance with Alert Service Bulletin 14RF-9-61-A146, original issue or later approved revisions.</p> <p>If an in service blade has not been previously inspected, then inspect it in accordance with Alert Service Bulletin 14RF-9-61-A143, revision 1 or later approved revisions, within 50 flights from EASA AD effective date or by May 8, 2006, whichever occurs first.</p> <p>Perform a second inspection of the in service blades in accordance with Alert Service Bulletins 14RF-9-61-A144 or 14RF-9-61-A145, original issues or later approved revisions, within 500 flights from the first inspection or by July 1, 2006, whichever occurs first.</p> <p>Before a spare propeller blade is placed into service, make sure it is inspected in accordance with Alert Service Bulletin 14RF-9-61-A143, revision 1 or later approved revisions, or in accordance with Alert Service Bulletin 14RF-9-61-A146, original issue or later approved revisions. If the blade passes this first inspection and is placed into service, perform a second inspection per Alert Service Bulletin 14RF-9-61-A146, original issue or later approved revisions, no earlier than 7 days and no later than 60 days from blade installation date.</p> <p>A blade which fails any of the above inspections must be removed from service before further flight.</p> <p>All concerned blades must be removed from service by March 1, 2007.</p> <p>After March 1, 2007, do not install any concerned blade unless it has been repaired in accordance with Repair 4-29 of Component Maintenance Manual 61-13-04 and marked +E2.</p>
Ref. Publications:	<p>Hamilton Sundstrand Alert Service Bulletin 14RF-9-61-A143 revision 1, or later approved revisions.</p> <p>Hamilton Sundstrand Alert Service Bulletin 14RF-9-61-A144 original issue, or later approved revisions.</p> <p>Hamilton Sundstrand Alert Service Bulletin 14RF-9-61-A145 original issue, or later approved revisions.</p> <p>Hamilton Sundstrand Alert Service Bulletin 14RF-9-61-A146 original issue, or later approved revisions.</p> <p>Hamilton Sundstrand Alert Service Bulletin 14RF-9-61-A147 original issue, or later approved revisions.</p> <p>Hamilton Sundstrand Component Maintenance Manual 61-13-04</p>
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 (AMOC) for this AD. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.

	<p>3. Enquiries regarding this AD should be addressed to Mr M. Capaccio, AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.eu.int.</p> <p>4. For any questions concerning the technical content of the requirements in this AD, please contact Hamilton Sundstrand, One Hamilton Road - Windsor Locks, Connecticut 06096 - 1010 U.S.A. Ph. +1 (860) 654-6000 - E-mail hs.general@hsd.utc.com</p>
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CANCELLED