


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No : 2007-0294</p> <p>Date: 29 November 2007</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 : MICROTURBO	Type/Model designation(s) : Saphir 20 Model 327 Auxiliary Power Units
Approval Number: France No. QAC 150 (Letter 54350 SFACT /N.ME dated 14/12/93)	
Foreign AD : Not Applicable	
Supersedure : None	
ATA 49	Airborne Auxiliary Power – APU Turbine Wheel Life Limit – Reduction
Manufacturer(s):	MICROTURBO
Applicability	<p>SAPHIR 20 Model 327 Auxiliary Power Units (APUs), all serial numbers.</p> <p>These APUs are known to be installed on, but not limited to, Bombardier Inc (formerly Canadair) Model CL-415 aircraft.</p>
Reason:	<p>The turbine wheel, Part Number (P/N) 095-015-03, of the SAPHIR 20 Model 327 APU is a life-limited part. MICROTURBO has determined through “fleet leader” testing that the published life limit of this turbine wheel should be reduced to 9 000 cycles. Use of the turbine wheel beyond 9 000 cycles could lead to the release of high energy debris that could cause damage to the aircraft.</p> <p>For the reasons described above, this Airworthiness Directive requires the implementation of the new life limit on the affected parts and the replacement of parts that have exceeded the new limit.</p>
Effective Date:	13 December 2007
Compliance:	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within one month after the effective date of this directive or upon accumulating 9 000 APU cycles in service, whichever occurs later, replace the turbine wheel P/N 095-015-03 with a serviceable unit in accordance with the instructions of MICROTURBO Bulletin Service No. 327-49-11;</p>

	<p>(2) Within one month after the effective date of this directive, amend the approved aircraft maintenance programme to include the new APU turbine wheel life limit, as specified in MICROTURBO SAPHIR 20 Model 327 Maintenance Manual 49-11-99;</p> <p>(3) After 13 January 2008, no person shall install a spare Saphir 20 Model 327 APU on any aircraft as a replacement unit, unless it has been verified that the P/N 095-015-03 turbine wheel installed on that APU has not exceeded 9 000 cycles in service.</p>
Ref. Publications:	<p>MICROTURBO Bulletin Service 327-49-11. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p> <p>SAPHIR 20 Model 327 Maintenance Manual 49-11-99</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD. 2. This AD was posted on 30 October 2007 as PAD 07-194 for consultation until 27 November 2007. No comments were received during the consultation period. 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: MICROTURBO - Support Clients, 8, Chemin du pont de Rupé - BP 62089 31019 Toulouse - Cedex 2 – FRANCE; Telephone +33 (0)5 61 37 55 00; Fax: +33 (0)5 61 70 74 45; E-mail technical.support@microturbo.fr .