


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2007-0127</b></p> <p><b>Date: 07 May 2007</b></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.		
<b>Type Approval Holder:</b> Société de Motorisations Aéronautiques (SMA)	<b>Type/Model Designation(s):</b> SR305-230	
TC Number: EASA E.076		
Foreign AD Number: None		
Supersedure: None		
<b>ATA 78</b>	<b>Engine Primary Exhaust Assembly – Inspection and Replacement</b>	
Manufacturer(s): Société de Motorisations Aéronautiques (SMA)		
Applicability:	<p>SMA SR305-230 or SR305-230-1 engines equipped with an exhaust collector assembly having a part number (P/N) SF01080014-0.</p> <p>These engines are known to be installed on, but not limited to, Cessna 182 series and Reims F182 series aeroplanes.</p>	
Reason:	<p>Several occurrences of cracks on the exhaust collector assembly have been reported in service. Failure of the engine primary exhaust can lead to a loss of engine manifold pressure and may result in a loss of engine power. In some recent occurrences, cracking has appeared near the weld of the Turbine Inlet Temperature (TIT) probe support. This eventually led to an open hole in the exhaust collector assembly. The resulting loss of engine power was not compatible with the continuation of the flight and an immediate landing was necessary.</p>	
Effective Date:	21 May 2007	
Compliance:	<p>For SMA SR305-230 or SR305-230-1 engines equipped with an exhaust collector assembly P/N SF01080014-0:</p> <p>1) At 30 exhaust collector assembly flight hours since new, perform a visual inspection in the area of the TIT probe mount weld for cracks. Cracked exhaust collector assembly is not serviceable and must be replaced before next flight;</p> <p>2) At 40 exhaust collector assembly flight hours since new, repeat the</p>	

	<p>actions in paragraph 1) of the present AD;</p> <p>3) At 50 exhaust collector assembly hours since new, replace the exhaust collector assembly P/N SF01080014-0 with a serviceable part.</p>
Ref. Publications:	<p>SMA Service Bulletin No. SB-01-78-001 revision 3 dated March 27, 2007, or later approved revision</p> <p>SMA Engine Maintenance Manual as amended by Temporary Revision TR-EMM-78-1 dated March 27, 2007, or later approved revision</p>
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 (AMOC) for this AD.</p> <p>2. This AD was posted as PAD 07-060 on 12 April 2007 for consultation until 03 May 2007. No comments were received during this period.</p> <p>3. Enquiries regarding this AD should be addressed to Mr. M. Capaccio, AD Focal Point, Certification Directorate, EASA E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></p> <p>4. For any questions concerning the technical content of the requirements in this AD, please contact:</p> <p>Société de Motorisations Aéronautiques, 10-12 Rue Didier Daurat, F-18021 Bourges, France - Phone: +33 (0) 2 4867 5600 - Fax: +33 (0) 2 4850 0141 E-mail : <a href="mailto:customer_services@smasr.com">customer_services@smasr.com</a></p>