


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No : 2007-0063</p> <p>Date: 08 March 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 : TURBOMECA	Type/Model designation(s) : ARRIEL 2S1 and 2S2 Turboshaft engines
TCDS Number : EASA E.001	
Foreign AD : Not applicable	
Supersedure : Not applicable	
ATA 73	Engine Fuel & Control – Hydro Mechanical Unit (HMU) Fuel Filter Drain Screw – Replacement
Manufacturer(s):	TURBOMECA
Applicability:	<p>ARRIEL 2S1 and ARRIEL 2S2 turboshaft engines, all serial numbers that have an HMU installed that was manufactured before December 8th, 2006 or repaired/overhauled by a Turbomeca approved Repair Center before December 8th, 2006.</p> <p>These engines are known to be installed on, but not limited to, Sikorsky S-76C series twin-engine helicopters.</p>
Reason:	<p>During assembly of a new HP/LP fuel pump, the drain screw on the fuel filter unit failed when it was tightened to the torque value specified in the assembly schedule (12 Nm). Investigation of the screw showed that it was fully conform to its specification, in terms of both dimensions and material. The mechanical calculations show, however, that a torque value of 12 Nm is too high for this screw, exceeding the elastic limit of the material. Failure of the affected screw could cause a fuel leak, resulting in an engine flame-out or engine fire.</p> <p>For the reason stated above, this Airworthiness Directive requires the replacement of the fuel filter drain screw and tighten it to an effective torque of 6.5 Nm.</p>
Effective Date:	22 March 2007

Compliance:	Within 30 HMU operating hours but not later than 15 April 2007, whichever occurs first after the effective date of this AD, replace the fuel filter drain screw by a new one and tighten it to an effective torque of 6.5 Nm in accordance with Turbomeca Mandatory Service Bulletin 292 73 2824.
Ref. Publications:	Turbomeca, S.A. Mandatory Service Bulletin No. 292 73 2824 Original Issue (or later approved revisions of this document)
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. This AD was posted as PAD 07-023 on 14 February 2007 for consultation until 07 March 2007. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the AD Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.europa.eu . 4. For any question concerning the technical content of the requirements in this AD, please contact: Turboméca, S.A., ARRIEL 2 Customer Support, 40220 TARNOS, FRANCE. Fax: +33 5 59 74 45 15.