


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2012-0150</p> <p>Date: 08 August 2012</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
Design Approval Holder's Name: TURBOMECA	Type/Model designation(s): ARRIUS 2F engines
TCDS Number:	France n°M22
Foreign AD:	Not applicable
Supersedure:	This AD supersedes DGAC AD 1999-233 (A) dated 12 June 1999.
ATA 73	Engine Fuel & Control – Privilege Injector – Replacement
Manufacturer(s):	Turboméca
Applicability:	ARRIUS 2F engines, all serial numbers. These engines are known to be installed on, but not limited to, Eurocopter EC120B helicopters.
Reason:	<p>During inspections carried out at the repair workshop on variants similar to ARRIUS 2F, it was found that some main injectors were totally or partially blocked. Blockage of the injectors may lead to engine flame out during rapid engine deceleration.</p> <p>This condition, if not corrected, could lead to an uncommanded engine in-flight shut down and may ultimately lead to an emergency landing.</p> <p>To address this unsafe condition, DGAC issued AD 1999-0233 (A) which required periodical replacement of fuel manifolds.</p> <p>Since issuance of AD 1999-0233 (A), further investigations demonstrated that:</p> <ul style="list-style-type: none"> • a periodic flow rate check (water technology) and the cleaning required by DGAC AD 1999-0233 (A) did not meet the expected results (wrong indication and non-sufficient cleaning), and, • replacement of the privilege injector only ensures the airworthiness of the engine in case of blockage of the injection manifolds combined with a rapid engine deceleration. <p>For the reasons described above, this AD requires replacement of the privilege injector before exceeding a defined limit of operating hours as specified in Turboméca Mandatory Service Bulletin (MSB) N° A319 73 4001.</p>

Effective Date:	22 August 2012
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Before exceeding 400 privilege injector operating hours since new or 400 privilege injector operating hours since last accomplishment of Turboméca Mandatory Service Bulletin (MSB) N° A319 73 4001, as applicable, replace the privilege injector with a serviceable privilege injector.</p> <p>Note: For the purpose of this AD, a serviceable privilege injector is a part that has accumulated less than 400 operating hours since new or since last accomplishment of Turboméca MSB N° A319 73 4001.</p> <p>(2) From the effective date of this AD, do not install a privilege injector on an engine, or an engine on a helicopter, unless in compliance with the requirements of paragraph (1) of this AD.</p>
Ref. Publications:	<p>TURBOMECA MSB N° A319 73 4001 issue K dated 10 February 2012.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 10 July 2012 as PAD 12-078 for consultation until 07 August 2012. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive 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., ARRIUS Customer Support, 40220 TARNOS, FRANCE. Fax: +33 5 59 74 45 15; or contact your nearest technical representative at www.turbomeca-support.com.