EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2008-0134R1 **Date: 17 February 2009** 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.

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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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].

Type Approval Holder's Name :	**Type/Model designation(s) :**
TURBOMÉCA	ARRIUS 2F turbo-shaft engine

TCDS Number :	France No. M22
Foreign AD :	Not applicable
Supersedure :	None

ATA 73	**Engine Fuel & Control - P3 Air Pipe – Inspection/Modification**
Manufacturer(s):	Turboméca
Applicability:	ARRIUS 2F turbo-shaft engines, all serial numbers. These engines are known to be installed on, but not limited to, Eurocopter EC120B helicopters.
Reason:	On several ARRIUS 2F engines, the clearance between the P3 air pipe P/N 0319719180 and the rear right bulkhead P/N 0319998240 has been found to be too small. Investigations have shown that both P3 air pipe and rear right bulkhead were compliant to the design. The Turbomeca Engineering Department concluded that the tolerance of assembly established during the design could result in some rubbing between parts. Rubs between the pipe and the bulkhead may lead to premature wearing and finally rupture of the P3 air pipe. The loss of P3 air pressure would then force the fuel control system to idle which could have a detrimental effect in critical phases of flight. For the reason stated above, this Airworthiness Directive (AD) requires the inspection of the P3 air pipe (first section) and RH rear half-wall and, in case it is found damaged or non-compliant (idem), the replacement or readjustment of parts.

	Revision 1 of the AD clarifies the wording. It emphasizes that, under some circumstances, the inspection could be repetitive as per the Mandatory Service Bulletin N° 319 75 4810.
Effective Date:	31 July 2008
Required action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: Within 100 operating hours after the effective date of this AD, in accordance with the instructions of Turbomeca Mandatory Service Bulletin N° 319 75 4810: ▪ Visually inspect P3 air pipe (first section) and RH rear half-wall. ▪ Inspect play between P3 air pipe (first section) and RH rear half-wall. ▪ Replace P3 air pipe (first section) if any damage is found. ▪ Readjust the first section of the P3 air pipe if the inspected clearance is found to be not compliant. ▪ Replace RH rear half-wall if any damage is found. Following first application of SB N° 319 75 4810 , the play between P3 air pipe (first section) and RH rear half-wall may be still not compliant: in that case inspect play between P3 air pipe (first section) and RH rear half-wall every 100 hours.
Ref. Publications:	Turboméca Service Bulletin N° 319 75 4810 original issue The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks :	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 11 June 2008 as PAD 08-068 for consultation until 09 July 2008. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, 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., ARRIUS Customer Support, 40220 TARNOS, FRANCE. Fax: +33 5 59 74 45 15, or contact your nearest technical representative at www.turbomeca-support.com