	AIRWORTHINESS DIRECTIVE No F-2005-143 R1	Distribution: A	Issue date: August 31, 2005	Page : 1/2
Direction générale de l'aviation civile France GSAC publication	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.		<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
	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.			
Corresponding foreign Airworthiness Directive(s): Not applicable		Airworthiness Directive(s) replaced: F-2005-143 original issue		
Person in charge of airworthiness: TURBOMECA		Type(s): ARRIUS 2F turboshaft engines		
Type certificate(s) No. M22 TCDS No M22				
ATA chapter: 73	Subject: Fuel control unit - Replacement			

1. EFFECTIVITY:

This Airworthiness Directive (AD) applies to TURBOMECA ARRIUS 2F turboshaft engines equipped with an FCU whose serial number is given in the list appended to the Mandatory Service Bulletin No. A319 73 4825.

2. REASONS:

This AD is issued following the case of an increase in fuel flow resulting from deterioration of the constant delta pressure diaphragm.

The increase in fuel flow led to an increase in gas generator rating which resulted in an increase in power turbine and helicopter rotor rating. This then led to an uncommanded in-flight engine shut-down following power turbine blade-shedding (blades contained) due to overspeed.

This increase in fuel flow is attributed to the deterioration of the constant delta pressure diaphragm installed the wrong way round.

The aim of this AD is to replace the diaphragm potentially installed in the wrong way by one having two projections indicating proper direction.


Revision 1 of this AD aims at clarifying mandatory action of § 3.

3. MANDATORY ACTIONS AND COMPLIANCE TIME:

3.1. For FCUs addressed by the Alert Service Bulletin No. A319 73 4825, the following action is made mandatory from the effective date of this AD:

- replace the FCU according to the Alert Service Bulletin No. A319 73 4825.

3.2. This action must be performed at the latest by February 28, 2006.

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4. **REFERENCE PUBLICATION:**

TURBOMECA Mandatory Alert Service Bulletin No. A319 73 4825, first issue dated August 2005
(Any subsequent approved revision of this document is acceptable).

5. **EFFECTIVE DATES:**

Original issue : Upon receipt from August 17, 2005
Revision 1 : Upon receipt from August 31, 2005.

6. **REMARK:**

If you have any questions concerning the technical content of the requirements of this AD, please contact:

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7. **APPROVAL:**

This AD Revision is approved under the EASA reference No 2005-6192 dated August 22, 2005.

SUPERSEDED