	AIRWORTHINESS DIRECTIVE No F-2004-139	Distribution: A	Issue date: August 18, 2004	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: None		
Person in charge of airworthiness: TURBOMECA		Type(s): ARRIEL 2 turboshaft engines		
Type certificate(s) No. M19 TCDS No M19				
ATA chapter: 73	Subject: Engine fuel and control - Control of the acceleration controller axle of the fuel metering unit			

1. EFFECTIVITY:

This Airworthiness Directive (AD) applies to Arriel 2 turboshaft engines, Arriel 2B model which incorporates the TU 62A modification.

2. REASON:


To prevent the acceleration controller axle from sticking in its bearing as this can result in difficulty or in impossibility to control the fuel flow rate in manual or mixed mode.

This can lead to an unpredictable engine running in manual or mixed mode which can cause gas generator or power turbine overspeed leading to uncommanded or commanded in-flight engine shutdown.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

Compliance with this AD is required as indicated, unless already done, from the effective date of this AD.

- 3.1. Before receipt of the parts required for the application of the Mandatory Service Bulletin A292 73 2814 (§ 3), perform before the first flight of the day, a ground check in mixed mode operation (refer to the AS350 B3 Flight Manual section 8 task 3C, dealing with the control system mixed mode).
- 3.2. Within 20 operating hours of receiving parts provided by Turbomeca, and at the latest on the 31st of December 2004, check the fuel metering system and perform maintenance procedures prescribed by the Mandatory Service Bulletin A292 73 2814 (original issue or later revision).
- 3.3. Repeat the maintenance procedures of paragraph 3.2 every 200 hours (+/- 10 hours).

	AIRWORTHINESS DIRECTIVE No F-2004-139	Distribution: A	Issue date: August 18, 2004	Page: 2/2
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4. REFERENCE PUBLICATIONS:

- Mandatory Service Bulletin A292 73 2814 - original issue or later revision.
- AS350 B3 Flight Manual: section 8, chapter "Check after engine or module replacement – Manual Emergency" - Sheet n° 3C.

5. EFFECTIVE DATE:

August 28, 2004.

6. REMARK:

For questions concerning the technical contents of this AD's requirements, contact:

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TURBOMECA
40220 TARNOS – France
Fax number: 33 (0)5 59 74 45 72

7. APPROVAL:

This AD is approved under EASA reference n° 2004-8594 dated August 10, 2004.