

	AIRWORTHINESS DIRECTIVE No F-2005-201	Distribution: A	Issue date: December 07, 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: None		
Person in charge of airworthiness: TURBOMECA		Type(s): ARTOUSTE III turboshaft engines		
Type certificate(s) No. M 12 TCDS No M 12				
ATA chapter: 73	Subject: Engine fuel and control - Fuel pump, maximum flow check			

1. EFFECTIVITY:

This Airworthiness Directive (AD) applies to turboshaft engines ARTOUSTE III B, III B1 and III D. These engines equip ALOUETTE III (SE 3160 / SA 316 B) and LAMA (SA 315 B) helicopters.

2. REASONS:

The verification of an acceptance test facility has put into evidence an inexact calibration. By this fact it is possible that certain fuel pumps could have been accepted even when the fuel flow rate delivered was really lower than the expected one. This difference can cause, on the engine, a limitation of the maximum available power over a portion of the flight envelope.

This AD aims at requiring the inspection of the accepted fuel pumps during the period concerned, and possibly at replacing them, to make sure they deliver the necessary flow rate.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

3.1. Compliance with this AD is required as indicated from the effective date of this AD.

If the serial number of the engine fuel pump is listed in paragraph 3.3.:

- Replace this pump by a pump of which serial number is not listed in paragraph 3.3., or
- Check this pump in accordance with the instructions of TURBOMECA Mandatory Service Bulletin No 218 73 0802, before reinstalling it, or
- Replace this pump by a pump of which serial number is listed in paragraph 3.3. and of which the fuel flow rate has already been checked in accordance with the instructions of TURBOMECA Mandatory Service Bulletin No 218 73 0802.

3.2. These actions must be performed by March 15, 2006.



3.3. Concerned fuel pumps:

Fuel pump serial numbers			
A59B	F320B	808	3175
A82B	F357B	1725	3230
A91B	F368B	1766	3259
B14B	F420B	1770	3282
B29B	F464B	1897	3343
B42B	F466B	1941	3376
C27B	F477B	2154	3383
C6B	F47B	2155	3385
C92B	F504B	2233	3397
D16B	F506B	2512	3458
D18B	F537B	2620	3515
D20B	F561B	2729	3548
D80B	F589B	2759	3660
D99B	F596B	2763	3746
E49B	F607B	2786	3756
E77B	F630B	2787	3757
E90B	F643B	2827	3783
F112B	F706B	2828	3792
F131B	F724B	2830	3826
F176B	F743B	2838	3858
F220B	F745B	2854	3888
F243B	F748B	2867	3894
F253B	F759B	2868	3979
F262B	F760B	2884	4066
F293B	F762B	2944	
F317B	F957B	3078	

4. REFERENCE PUBLICATION:

TURBOMECA Mandatory Service Bulletin No 218 73 0802 original issue
(or any approved subsequent issue)

5. EFFECTIVE DATE:

December 17, 2005.

6. REMARK:

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

Operator Support ARTOUSTE III
TURBOMECA
40220 TARNOS - FRANCE
Phone number: 33 (0) 5 59 74 40 32 (or 40 71)
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7. APPROVAL:

This AD is approved under EASA reference No 2005-6421 dated November 29, 2005.