

	AIRWORTHINESS DIRECTIVE No F-2004-028 R2	Distribution: B	Issue date: October 26, 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-2004-028 R1		
Person in charge of airworthiness: AIRBUS SAS		Type(s): A330 aircraft		
Type certificate(s) No. EASA.A.004 TCDS No EASA.A.004				
ATA chapter: 54	Subject: Nacelles/Pylons - PW 4000 engines pylons - Inspection of the lower aft pylon fairing			

1. EFFECTIVITY:

AIRBUS A330 aircraft, models -223, -321, -322 and -323, all serial numbers, except those on which AIRBUS modification 53623 has been embodied in production or AIRBUS Service Bulletin (SB) A330-54-3022 has been embodied in service.

2. REASONS:

Operators of A330 aircraft fitted with PW 4000 engines, found and reported cracks located on the lower aft pylon fairing (LAPF) firewall.

The fatigue strength would be the origin of the initiation and propagation of cracks in this area.

This situation, if left uncorrected, might alter fireproofness, in the event of engine fire.

The aim of the Revision 1 was to precise the application of the sealants after stopdrilling in case of crack finding as mentioned in the referenced AIRBUS Service Bulletin (SB).

AIRBUS modification 53623/SB A330-54-3022 introduces a number of design changes of individual parts of the LAPF and related accessories to improve the durability of these parts and the LAPF assembly as a whole.

The aim of this Revision 2 is to introduce this change as being one terminating action as an alternative means of compliance to the below repetitive inspections and thus to reduce the applicability field.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

The following measures are rendered mandatory from the effective date of this Airworthiness Directive (AD) at original issue.



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3.1. Before accumulation of 3,000 flight hours (FH) of the LAPF since new, or within 500 FH from the effective date of this AD at original issue, whichever occurs later:

perform a detailed visual inspection of the LAPF firewall in RH and LH engines for crack testing, in accordance with the instructions defined in SB A330-54-3021.

3.2. If the results of inspection defined in § 3.1. above do not show any crack, renew this inspection at intervals not exceeding 1,000 FH.

3.3. If the findings of the inspection defined in § 3.1. or § 3.2. above show the presence of a crack smaller than or equal 30.48 mm (1.2 inch):

3.3.1. before next flight, stopdrill the crack and apply the sealants in accordance with the instructions defined in SB A330-54-3021.

3.3.2. renew this inspection at intervals not exceeding 500 FH,

3.3.3. within 4,600 FH at the latest following the inspection when the crack was found, repair the firewall in accordance with the instructions defined in SB A330-54-3021.

3.4. If the results of the inspection defined in § 3.1. or § 3.2. above show the presence of a crack longer than to 30.48 mm (1.2 inch):

3.4.1. before next flight, stopdrill the crack and apply the sealants in accordance with the instructions defined in SB A330-54-3021.

3.4.2. within 500 FH following this operation at the latest, repair the firewall in accordance with the instructions defined in SB A330-54-3021.

3.5. Report the inspection findings to the AIRBUS manufacturer in accordance with the instructions defined in SB A330-54-3021.

4. REFERENCE PUBLICATIONS:

AIRBUS Service Bulletin A330-54-3021
AIRBUS Service Bulletin A330-54-3022
(Any further approved revision of these SB is acceptable).

5. EFFECTIVE DATES:

Original issue : February 28, 2004
Revision 1 : September 25, 2004
Revision 2 : November 05, 2005.

6. REMARK:

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

AIRBUS SAS - Office of Airworthiness - EAL - Fax : 33 5 61 93 45 80 or 33 5 61 93 44 51.

7. APPROVAL:

This AD Revision is approved under EASA reference No 2005-6373 dated October 18, 2005.