	AIRWORTHINESS DIRECTIVE No F-2005-035	Distribution: B	Issue date: March 02, 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>	
	<p align="center">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.</p>			
Corresponding foreign Airworthiness Directive(s): Not applicable		Airworthiness Directive(s) replaced: None		
Person in charge of airworthiness: AIRBUS SAS		Type(s): A319, A320 and A321 aircraft		
Type certificate(s) No. 180 TCDS No 180				
ATA chapter: 57	Subject: Outer wing - Inspection of the main landing gear support rib 5			

1. EFFECTIVITY:

AIRBUS A319, A320 and A321 aircraft, all certified models, all serial numbers (MSN), except aircraft that have received AIRBUS modification 35025 in production or AIRBUS Service Bulletin (SB) A320-57-1118 in service.

2. REASONS:

A crack in the forward lug of the right hand Main Landing Gear (MLG) support rib 5 has been found in service. This crack could affect the structural integrity of the MLG.

The Alert SB A320-57A1136 has been issued calling for an ultrasonic inspection for crack detection in the affected area.


Further investigation highlighted the need to introduce a repetitive detailed visual inspection of the forward lug of the MLG support rib 5, both right and left hand sides.

The aim of this Airworthiness Directive (AD) is to mandate both Alert SB A320-57A1136 and this repetitive detailed visual inspection.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

3.1. For A319 and A320 MSN from 537 to 625 included:

- 3.1.1. Unless already accomplished, before 750 flight cycles, 600 flight hours or 100 days following the effective date of this AD, whichever occurs first, perform an ultrasonic inspection of the forward lug of the MLG support rib 5 and apply the necessary corrective actions in accordance with the instructions given in Alert SB A320-57A1136.

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- 3.1.2.** Before 750 flight cycles, 600 flight hours or 100 days following the accomplishment of the Alert SB A320-57A1136, whichever occurs first, perform a detailed visual inspection as per paragraph 3.2.1., and repeat this inspection at intervals not exceeding 750 flight cycles, 600 flight hours or 100 days, whichever occurs first.

3.2. For all aircraft, except those inspected as per here above paragraph 3.1.:

- 3.2.1.** Before 750 flight cycles, 600 flight hours or 100 days following the effective date of this AD, whichever occurs first, perform a detailed visual inspection of the forward lug on the MLG support rib 5, both right and left hand sides, according to the following instructions:

3.2.1.1. Prepare the inspection area as defined in the visual procedures of the A318/A319/A320/A321 Non-destructive Testing Manual (NTM) 51-90-00 revision dated February 2003.

3.2.1.2. Carry out a detailed visual inspection of the MLG rib 5 forward lug, particularly on the inboard face of the lug and on the forward and aft sides of the lug.

3.2.1.3. If cracks are found contact AIRBUS for further instructions before next flight.

- 3.2.2.** Repeat the inspection as per here above paragraph 3.2.1, at intervals not exceeding 750 flight cycles, 600 flight hours or 100 days, whichever occurs first.

The forward lugs of MLG rib 5 fitting that have been repaired as per A318/A319/A320/A321 Structural Repair Manual (SRM) 57-26-13 chap 5.D revision dated November 2004, are compliant with the requirements of this AD.

4. REFERENCE PUBLICATIONS:

AIRBUS Alert Service Bulletin A320-57A1136

Any further approved revision of this document is acceptable.

AIRBUS A318/A319/A320/A321 Non-destructive Testing Manual (NTM) 51-90-00 revision dated February 2003.

5. EFFECTIVE DATE:

March 12, 2005.

6. REMARKS:

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

AIRBUS CAS Airworthiness Office - EAS - Fax : 33 5 61 93 44 51.

7. APPROVAL:

This AD is approved under EASA reference No 2005-1909 dated February 22, 2005.