	AIRWORTHINESS DIRECTIVE No F-2005-090 R1	Distribution: B	Issue date: July 06, 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: F-2005-090 original issue		
Person in charge of airworthiness: AIRBUS SAS		Type(s): A310, A300-600 and A300-600ST aircraft		
Type certificate(s) No. 72 TCDS No 145				
ATA chapter: 57	Subject: RAT swivel coupling fork fitting			

1. EFFECTIVITY:

AIRBUS A310, A300-600 and A300-600ST aircraft, all certified models and all serial numbers, equipped with HAMILTON SUNDSTRAND ram air turbine (RAT).

2. REASONS:

Reminder: Airworthiness Directive (AD) 2003-149 was issued subsequent to the detection of a rupture to the RAT swivel coupling fork fitting. Such a rupture, caused by abnormal mechanical forces, could lead, in case of total rupture of the fork fitting, to the loss of the RAT.

Investigations conducted since by the manufacturer have revealed improper adjustment of the HAMILTON SUNDSTRAND type RAT ejection jack which could cause abnormal forces on the RAT swivel coupling fork fitting.

This AD renders mandatory, on aircraft equipped with HAMILTON SUNDSTRAND RAT's, the inspection of the RAT swivel coupling fork fitting and check of the adjustment of the RAT ejection jack.


Revision 1 aims at correcting A310 AIRBUS All Operator reference that must be read A310-57A2085 instead of A300-57A2085.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

At latest within 1,300 flight hours or within 6 months from the effective date of this AD at original issue, whichever occurs first, unless already accomplished:

- a) Perform a detailed inspection of the RAT swivel coupling fork fitting and, if necessary, perform the corrective actions before the next flight which follows this inspection in accordance with the instructions of paragraph 4.2.3.1 of AIRBUS All Operator Telex (AOT) A310-57A2085 Revision 1 of April 11th, 2005 or A300-57A6096 Revision 1 of April 11th, 2005 or A300-57A9004 Revision 1 of April 11th, 2005.

If a defective fork fitting is detected, replace it either by an aluminium fork fitting of PN A5721007220001 in accordance with the AMM instructions, or by a steel fork fitting in accordance with the instructions of AIRBUS Service Bulletin (SB) A310-57-2086 or A300-57-6099 or A300-57-9017.

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- b) Check the adjustment of the RAT ejection jack in extended position in accordance with the instructions of paragraph 4.2.3.2 of AIRBUS AOT A310-57A2085 Revision 1 of April 11th, 2005 or A300-57A6096 Revision 1 of April 11th, 2005 or A300-57A9004 Revision 1 of April 11th, 2005.

Note: additional detailed visual inspection of the fork fitting has been introduced within Technical Revision of the AMM 29-25-00 Page Block 301 at each RAT retraction procedure.

4. REFERENCE PUBLICATIONS:

AIRBUS All Operator Telex:
A310-57A2085 Revision 1 of April 11th, 2005
A300-57A6096 Revision 1 of April 11th, 2005
A300-57A9004 Revision 1 of April 11th, 2005
AIRBUS Service Bulletin (SB) A310-57-2086 original issue
AIRBUS Service Bulletin (SB) A300-57-6099 original issue
AIRBUS Service Bulletin (SB) A300-57-9017 original issue
Any later approved revision of these SB's is acceptable.

5. EFFECTIVE DATES:

Original issue : June 18, 2005
Revision 1 : Upon receipt from July 06, 2005

6. REMARK:

For questions concerning the technical contents of this AD's requirements, contact:
AIRBUS SAS - Office of Airworthiness - EAW - Fax: 33 5 61 93 45 80.

7. APPROVAL:

This AD Revision is approved under reference No EASA.A.AD.01023 dated June 28, 2005.