

	AIRWORTHINESS DIRECTIVE		Distribution:	Issue date:	Page :
	No F-2005-164		B	September 28, 2005	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.		Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.		
	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: EADS SOGERMA Services		Type(s): Pilot and co-pilot seats fitted on A318, A319, A320, A321, A330 and A340 aircraft			
Type certificate(s) No. DGAC QAC Nos 54218 dated 24/12/1992 & 075 dated 27/08/2001					
TCDS No None					
ATA chapter: 25	Subject: Equipment/Furnishings - Cockpit seats actuators inspection and replacement				

1. **EFFECTIVITY:**

This Airworthiness Directive (AD) is applicable to:

- the following EADS SOGERMA Services (SOGERMA) powered seats:

- pilot seats Part Number (PN) : TAAI1-03PE00-01, TAAI1-03PE00-02, TAAI1-03PE01-01, TAAI1-03PE01-02, TAAI1-03PE02-01, TAAI1-03PE02-02, TAAI1-03PE03-01, TAAI1-03PE03-02, TAAI2-33PE00-01, TAAI2-33PE01-01, TAAI3-03PE00-01 and TAAI3-03PE01-01,

- co-pilot seats PN : TAAI1-03CE00-01, TAAI1-03CE00-02, TAAI1-03CE01-01, TAAI1-03CE01-02, TAAI1-03CE02-01, TAAI1-03CE02-02, TAAI1-03CE03-01, TAAI1-03CE03-02, TAAI2-33CE00-01, TAAI2-33CE01-01, TAAI3-03CE00-01 and TAAI3-03CE01-01.

- and SOGERMA spare kits PN TAAI2-426000-03 and PN TAAI2-426000-04.

These SOGERMA powered cockpit seats are installed on AIRBUS A318, A319, A320, A321, A330 and A340 aircraft.

Note 1: AIRBUS A310-300 and A300-600 aircraft are covered by AD F-2005-038.

The pilot and co-pilot seats PN TAAI3-03PE00-01, TAAI3-03PE01-01, TAAI3-03CE00-01 and TAAI3-03CE01-01 whose SN is higher than 791 on which actuator has not been replaced after delivery are not concerned by this AD.

Reminder: It is the responsibility of the operator to ensure that any action on pilot and/or co-pilot seat actuators on aircraft after delivery, still complies with the requirements of this AD.

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2. REASONS:

During the overhaul of seats, repair stations found heavy wear of the gear at rotor shaft end on certain actuators.

This wear could have repercussions on the kinematics of the seat control system and lead to unwanted pilot seat horizontal movements which are considered as major events during take-off and landing.

Analysis has revealed that the hardness characteristics of the rotor shaft of the actuator were not in compliance with the definition. High number of actuator is concerned by this production issue; the aim of this AD is to identify them and to remove them from service.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

The following measures are rendered mandatory from the effective date of this AD unless already accomplished:

3.1. No later than May 31, 2010, identify the cockpit seats actuator PN installed on the seats concerned by this AD as given in the "effectivity" paragraph, and apply the necessary correctives actions in accordance with instructions of SOGERMA Service Bulletin (SB) TAAI1-25-617.

Note 2: No further action is required for the pilot and co-pilot seats on which the identification demonstrates the accomplishment of the SB TAAI1-25-617.

3.2. The cockpit seats actuators PN 4136290004 and PN 4136290005 whose SN are below 5080 must be removed from service not later than May 31, 2010. Spare seats actuators PN 4136290004 and PN 4136290005 whose SN are below 5080 shall not be re-installed on an aircraft after May 31, 2010.

SOGERMA spare kits PN TAAI2-426000-03 and PN TAAI2-426000-04 must be returned to SOGERMA no later than May 31, 2010.

4. REFERENCE PUBLICATION:

EADS SOGERMA-SERVICES Service Bulletin TAAI1-25-617 dated February 01, 2005.

5. EFFECTIVE DATE:

October 08, 2005.

6. REMARK:

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

EADS SOGERMA Services - Fax : 33 5 46 82 88 13.

7. APPROVAL:

This AD is approved under EASA reference No 2005-6252.dated September 20, 2005.