

AIRWORTHINESS DIRECTIVE

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Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

**Translation of 'Consigne de Navigabilité' ref. : 2003-102(B)
In case of any difficulty, reference should be made to the French original issue.**

AIRBUS

A330 aircraft

Flight controls -
Modification to the rudder servo-controls (ATA 27)

1. APPLICABILITY:

AIRBUS A330 aircraft, models -201, -202, -203, -223, -243, all serial numbers, except for aircraft on which AIRBUS modification 48510 has been embodied in production or AIRBUS Service Bulletin (SB) A330-27-3101 in service.

2. REASONS:

During a pre-flight check on A330-200 aircraft, the "F/CTL RUD Y SERVO JAM" message was displayed. Later, two other occurrences were reported on other aircraft.

In all cases, the driving finger of the affected rudder servo-control was found broken due to fatigue failure. It is highly suspected that the root cause for this fatigue failure is pollution generated during manufacturing process, and inducing fatigue loads.

The finger rupture was followed by the loss of the rudder servo control.

Not corrected, the loss of the rudder servo-control, combined with an engine failure at take-off or during go around, could lead to a potentially critical situation.

The purpose of this Airworthiness Directive (AD) is to render the reinforcement of the driving finger of the affected servo-controls mandatory.

3. COMPLIANCE:

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

Unless already accomplished,

At latest on June 30, 2005, modify the three (3) rudder servo-controls in accordance with the instructions given in AIRBUS SB A330-27-3101.

Note : Further to this modification, the rudder servo-control:

P/N 31110-060 becomes 31110-080 and
P/N 31110-100 becomes 31110-120.

REF.: AIRBUS Service Bulletin A330-27-3101
(Any later approved revision of this SB is acceptable).

EFFECTIVE DATE : MARCH 15, 2003