

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

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. : 2000-438-154(B) R1
In case of any difficulty, reference should be made to the French original issue.

AIRBUS

A340-200/-300 aircraft

Thrust reverser - Door roller fittings inspection and replacement (ATA 78)

1. APPLICABILITY:

AIRBUS A340 aircraft, models -211, -212, -213, -311, -312 and -313, all serial numbers, equipped with CFMI turbofan engines CFM56-5C, all models, on which AIRBUS modification (Mod.) 47422 has not been embodied and which have not been retrofitted in accordance with AIRBUS Service Bulletin (SB) A340-78-4018.

2. REASONS:

Two operators experienced "rev unlock" warning events which have been identified as a failure of the upper pivoting door roller fitting of the blocker door primary lock system due to fatigue. These two events led to in flight turn back.

In case of roller fitting fracture, the roller may detach and the primary lock function would be lost. Nevertheless the affected door would be retained by the secondary lock.

Airworthiness Directive (AD) 1998-543-105(B) R3 dealing with the same issue is replaced by this AD and cancelled by its revision 4.

This AD mandates the inspection required by AD 1998-543-105(B) R3 until embodiment of the mandatory terminating action as described in paragraph 3.4.

Revision 1 of this AD consists of revising the "Applicability" paragraph which limits AIRBUS A340 aircraft models as listed in the paragraph 1.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

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

3.1. Inspection:

- 3.1.1.** - Before accumulation by the thrust reversers of 7,000 flight hours (FH) or 1,200 flight cycles (FC) since new, whichever occurs first,
or,
- within 500 FH from December 30, 1998 (effective date of AD 98-543-105(B) at original issue)
whichever occurs later,
inspect upper and lower fittings per SB A340-78-4017 and remove all fittings found cracked per this SB.

Note: The AIRBUS SB A340-78-4017 is an equivalent means of compliance to CFMI SB 78-A057 (which covers BFG SB RA340 A78-57).

- 3.1.2.** Perform this inspection at intervals not exceeding 500 FH.

- 3.1.3.** Any reverser having experienced a high N1 and/or N2 vibration event, as indicated by a cockpit high vibration advisory, regardless of hours/cycles is to be inspected as per the instructions described above before the next flight following this cockpit high vibration advisory.

- 3.1.4.** Report the results of the aforementioned inspection to AIRBUS whichever these results are.

3.2. Thrust reverser inhibition:

If the inspection required under paragraph 3.1. above cannot be performed or if the fitting is found cracked and cannot be immediately replaced, inhibit reverser per AMM procedure 78-30-00-040-802.

Thrust reverser inhibition must be done in accordance with MMEL preamble.

Operators are reminded of the three calendar day inhibition limitation imposed on all reversers not modified per BF GOODRICH AOW/CFM56-97-017 and AIRBUS All Operators Telex A340/AOT 78/06 dated May 28, 1998 and the need to perform secondary lock functional test prior to inhibit thrust reverser (Refer to AMM task 78-31-41-720-050).

3.3. Equivalent method of compliance to this AD:

Installation of complete shipset of new fittings enables the postponement of the repetitive inspection required in paragraph 3.1.2. of this AD until accumulation of 7,000 additional FH or 1,200 additional FC since this installation whichever occurs first.

Installation of new fittings does not cancel the inspection required in paragraph 3.1.3. of this AD in case of a high N1 and/or N2 vibration event, as indicated by a cockpit high vibration advisory.

3.4. Terminating action:

Before December 31, 2002, install fittings of new design in accordance with the instructions given in AIRBUS SB A340-78-4018.

This terminating action cancels the requirements for inspections of this AD.

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REF.: AOW BF GOODRICH A340/CFM56-98-021
AOT AIRBUS A340 78-06
Service Bulletin CFMI 78-A057
Service Bulletin BFG RA340 A78-57
Service Bulletin AIRBUS A340-78-4017
Service Bulletin AIRBUS A340-78-4018
Any further approved revision of these last 2 SB is acceptable.

| This Revision 1 replaces original AD 2000-438-154(B) dated October 18, 2000.

EFFECTIVE DATES :

| **Original issue : OCTOBER 28, 2000**
Revision 1 : SEPTEMBER 27, 2003