



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division  
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## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-098/2001R1**

Supersedes CAA-AD-098/2001

Date of issue: July 15, 2004

**AIRBUS SAS**

A310, A300-600

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### AIRCRAFT - THRUST REVERSER (ATA 78) - INSTALATION

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**Applicability:** AIRBUS aircraft:

A310 and A300-600 equipped with PWJT9D-7R4 or PW4000 series engines, except for aircraft which have already been supplied with:

- The three AIRBUS INDUSTRIE modifications (Mod.) 12261, 12264, and 12265 in production or AIRBUS INDUSTRIE Service Bulletin (SB) A310-78-2018 in service (PWJT9D-7R4 engine).

or

- The three Mod. 12261, 12264, and 12266 in production or SB A310-78-2020 or SB A300-78-6017 in service (PWJT9D-7R4 engine).

or

- The four Mod. 12262, 12263, 12265, and 12377 in production or SB A310-78-2019 or SB A300-78-6018 in service (PW 4000 engine).

or

- The three Mod. 12262, 12263, and 12266 in production or SB A300-78-6020 in service (PW 4000 engine).

**Effective date:** September 02, 2004

**Compliance:** Required as indicated in F-2001-523 R1.

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*Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 233320922, fax: 420 220562270. This AD has been issued in accordance with F-2004-075, which is approved under EASA reference No. 2004-6374.*

**Ing. Pavel MATOUŠEK**  
Director

**DGAC AD No.: F-2001-523 R1**

AD replaced: 2001-523

June 23, 2004

**AIRBUS SAS  
A310, A300-600 aircraft**

Type certificate(s) No.: 72

TCDS No.: 145

ATA chapter: 78

This AD is published by the DGAC on behalf of EASA, the Primary Airworthiness Authority for the affected product.

**Thrust reverser - Implementation of a third line of defense**

**1. EFFECTIVITY:**

AIRBUS aircraft:

A310 and A300-600 equipped with PWJT9D-7R4 or PW4000 series engines, except for aircraft which have already been supplied with:

- The three AIRBUS INDUSTRIE modifications (Mod.) 12261, 12264, and 12265 in production or AIRBUS INDUSTRIE Service Bulletin (SB) A310-78-2018 in service (PWJT9D-7R4 engine).

or

- The three Mod. 12261, 12264, and 12266 in production or SB A310-78-2020 or SB A300-78-6017 in service (PWJT9D-7R4 engine).

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- The four Mod. 12262, 12263, 12265, and 12377 in production or SB A310-78-2019 or SB A300-78-6018 in service (PW 4000 engine).

or

- The three Mod. 12262, 12263, and 12266 in production or SB A300-78-6020 in service (PW 4000 engine).

**2. REASONS:**

Following an in-flight thrust reverser deployment on an A300-600 equipped with P&W 4158 engines, a program of short and medium term corrective actions was launched by the Manufacturer AIRBUS INDUSTRIE and rendered mandatory by Airworthiness Directive (AD) 1999-181-283(B).

As requested by the Airworthiness Authorities (JAA/FAA), AIRBUS INDUSTRIE and PRATT & WHITNEY improved the current design of the thrust reversers. This new design complies with the requirements defined in appendix C of the complementary regulation issued in 1994 by the FAA, entitled "criteria for assessing transport turbojet fleet Thrust Reverser system safety - Rev. A".

The installation of a third line of defense on the thrust reversers is thus rendered mandatory by this Airworthiness Directive.

Revision 1 of this AD postpones the compliance time.

**3. MANDATORY ACTIONS AND COMPLIANCE TIMES:**

Before December 31, 2004, unless already accomplished, and depending on the engine type and the aircraft configuration, apply the modifications related to the installation of the third line of defense:

A) for A310 and A300-600 aircraft equipped with PWJT9-7R4 engines, in accordance with the instructions of the applicable SB A310-78-2018 or A310-78-2020 or A300-78-6017,

B) for A310 and A300-600 aircraft equipped with PW 4000 engines, in accordance with the instructions of the applicable SB A310-78-2019 or A300-78-6018 or A300-78-6020.

**Note:** For the installation of the "synchronous shaft lock", refer to the instructions of PRATT & WHITNEY Service Bulletin PW4NAC 78-100 or PW7R4 A78-179.

#### **4. REFERENCE PUBLICATIONS:**

AIRBUS INDUSTRIE Service Bulletins:

A310-78-2018 original issue

A310-78-2019 original issue

A310-78-2020 original issue

A300-78-6017 original issue

A300-78-6018 original issue

A300-78-6020 original issue

Any later approved revision of these SBs is acceptable.

PRATT & WHITNEY Service Bulletins:

PW4NAC 78-100 original issue

PW7R4 A78-179 original issue.

#### **5. EFFECTIVE DATE:**

Original issue: November 10, 2001

Revision 1: Upon receipt from June 23, 2004

#### **6. REMARK:**

For questions concerning the technical content of the requirements in this AD, contact:

AIRBUS SAS - Hubert Angelier - Fax : 33 5 61 93 45 80.

#### **7. APPROVAL:**

This AD is approved under EASA reference No 2004-6374 dated June 15, 2004.