



AIRWORTHINESS DIRECTIVE

CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division

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Tel: 420 233320922, fax: 420 220562270

Number: CAA-AD-T-045/2004

Date of issue: May 21, 2004

ATR
ATR 72

This AD has been issued in accordance with Decision No.: 2/2003 of the Executive Director of the EASA (ADs issued by the state of design are automatically adopted in EU member states).

AIRCRAFT - MAIN LANDING GEAR - " SECONDARY SIDE BRACE" - INSPECTION

Applicability: ATR 72-101, -102, -201, -202, -211, -212, -212A aircraft models, all serial numbers.

Effective date: Upon receipt.

Compliance: Required as indicated F-2004-061.

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 2 33320922, fax: 420 2 20562270.

Ing. Pavel MATOUŠEK
Director

DGAC AD No.: F-2004-061

May 12, 2004

**ATR
ATR 72 aircraft**

Type certificate(s) No.: 176
TCDS No.: 176
ATA chapter: 32

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

Landing gear - Main landing gear - Secondary side brace

1. EFFECTIVITY:

ATR 72-101, -102, -201, -202, -211, -212, -212A aircraft models, all serial numbers.

2. REASONS:

Two cases of Main Landing Gear (MLG) secondary side brace upper arm rupture have been reported on the ATR fleet. Initiation and development of cracks are the cause of these ruptures.

The actions mandated by this Airworthiness Directive (AD) are intended to prevent a possible rupture of a MLG secondary side brace, which could lead to the collapse of the involved MLG during specific conditions at take-off or landing, and to a potential unsafe condition for aircraft and passengers.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

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

Before accumulation of 4,000 landings since manufacture or since latest overhaul of the MLG secondary side brace, or before 200 landings from the effective date of this AD, whichever occurs later, perform Eddy Current inspection on MLG secondary side brace in accordance with MESSIER-DOWTY Service Bulletin (SB) 631-32-178.

If a MLG secondary side brace is cracked, replace it by an airworthy one. If no, repeat the inspection each 800 landings.

The MLG secondary side braces installed in replacement must also be inspected in accordance with MESSIER-DOWTY SB 631-32-178.

4. REFERENCE PUBLICATION:

MESSIER-DOWTY Service Bulletin No 631-32-178
(Any further approved revision of this SB is acceptable).

5. EFFECTIVE DATE:

May 22, 2004.

6. REMARKS:

For questions concerning the technical contents of this AD's requirements, contact:
ATR - Yves OTTOGALI - Fax: 33 5 62216718.

7. APPROVAL:

This AD is approved under EASA reference No 2004-4809 dated May 05, 2004.