
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Avions de Transport Regional ATR 42 Series Aeroplanes

AD/ATR 42/1**State of Design Airworthiness Directives****8/2007****DM**

Applicability: ATR 42 series aeroplanes, as identified in the individual Airworthiness Directive (AD) listed Tables 1 and 2.

Requirement:

1. Determine the applicability of the ADs issued by the Direction Générale de l'Aviation Civile of France (DGAC), listed in Table 1, and the ADs issued by the European Aviation Safety Agency (EASA), listed in Table 2.
2. If it is determined that an DGAC or EASA AD listed in Table 1 or 2 is applicable and has not been previously accomplished, perform the actions required by that AD.

Table 1

DGAC AD	Issue Date	Title
F-1986-085-002 R1	28 May 1986	Oil cooling system
F-1986-078-001 R1	23 July 1986	Ipeco pilot and copilot seats - ATR Airplanes
F-1986-130-003 R1	26 March 1997	Flaps 45° Configuration
F-1987-022-004	4 January 1987	Automatic stop of the flight and cockpit voice recorders
F-1987-046-005 R1	10 June 1987	Attitude and heading system
F-1987-155-007	10 November 1987	Elevator trims
F-1987-156-008 R1	16 November 1988	Propeller brake control system
F-1987-173-009	9 December 1987	Protection for auto pilot roll actuator
F-1988-051-010 R2	21 February 1990	Fuel quantity indicators
F-1988-070-011	11 May 1988	Rudder control channel cables
F-1988-080-012	22 June 1988	Engine and propeller flexible control shafts
F-1988-092-013	17 August 1988	Honeywell-Sperry navigation equipment

Avions de Transport Regional ATR 42 Series Aeroplanes

AD/ATR 42/1 (continued)

F-1988-135-014	19 October 1988	Main gear wheel bearing
F-1988-147-015	16 November 1988	Propeller brake control pushbutton
F-1988-186-016 R1	31 May 1989	Test system of the smoke detectors in cargo compartment areas
F-1989-033-019 R1	31 May 1989	Pitch trim
F-1989-042-018 R1	5 April 1989	Oil pressure transmitter manifold
F-1989-067-020 R2	20 March 1991	Main L/G retraction jacks fitting bolts
F-1989-077-021 R2	19 July 1989	Aileron tab inboard hinge pin
F-1989-093-022	28 June 1989	Automatic cut-off of the voice recorders
F-1989-197-025 R1	4 April 1990	Fire extinguishing system
F-1990-028-026	21 February 1990	Nose landing gear retraction system
F-1990-029-027	21 February 1990	Emergency lighting
F-1990-030-028 R1	23 January 1991	Propeller brake
F-1990-109-029	13 June 1990	Main frames
F-1990-155-030 R1	27 November 1991	Emergency oxygen system for cabin attendants
F-1990-163-031	3 October 1990	Structure modification resulting from fatigue tests landing gear bay area
F-1990-193-032 R2	8 July 1992	Hydraulic system - Low pressure warning
F-1990-201-033 R2	23 April 1997	Flight controls
F-1991-005-036	9 January 1991	Nose landing gear
F-1991-068-039	20 march 1991	Flight controls
F-1991-081-040 R1	6 June 1991	Main landing gear
F-1991-157-041	31 July 1991	Nose landing gear
F-1991-214-042	2 October 1991	Flight controls
F-1991-216-043 R1	22 January 1992	Engine and propeller flexible controls

Avions de Transport Regional ATR 42 Series Aeroplanes

AD/ATR 42/1 (continued)

F-1991-237-044	30 October 1991	Auto pilot
F-1992-043-045	19 February 1992	Commercial furnishing
F-1992-122-047	27 May 1992	ECE push-button
F-1992-133-048 R1	19 August 1992	Pitch control
F-1992-197-049	30 September 1992	Autopilot
F-1993-205-052	8 December 1993	Pitch trim controls
F-1994-003-053	5 January 1994	Flight control rods
F-1994-004-054	5 January 1994	Roll trim
F-1994-005-055	5 January 1994	Nose Landing Gear Nardi hinge pins
F-1994-162-056	6 July 1994	Karman fairing attachment clips
F-1995-051-058	15 March 1995	Main landing gear side brace pin
F-1995-103-059	24 May 1995	Protection of the electrical harness in front area
F-1995-127-062	21 June 1995	Corrosion on wing rear spar (ATA 57)
F-1996-109-063	5 June 1996	Engine nacelle drain system
F-1996-131-064	3 July 1996	Main landing Gear - Pins Magnaghi
F-1996-132-065	3 July 1996	Fuselage - Stringer 6 to frame 34 junction
F-1996-208-067 R1	21 April 1999	De-icing procedures and protection improvements (ATA 30)
F-1996-230-066	23 October 1996	Standby horizon - Power supply
F-1996-256-068	6 November 1996	Stick shaker/pusher system
F-1996-289-069 R1	18 December 1996	Forward cargo compartment nets
F-1997-115-070 R1	11 February 1998	Fuselage - Main landing gear actuator fitting
F-1997-159-071	16 July 1997	Karman fairing panel fasteners
F-1997-328-072 R1	19 November 1997	Flight controls - Rudder

Avions de Transport Regional ATR 42 Series Aeroplanes

AD/ATR 42/1 (continued)

F-1998-069-073	11 February 1998	Engine mount and upper engine fairing stiffener fouling
F-1998-070-074	11 February 1998	Rotron recirculation fan
F-1999-014-076 R2	10 December 2003	Icing conditions - Revise the Airplane Flight Manual (AFM)
F-1999-165-077 R1	12 July 2000	Severe icing conditions - Implement aircraft design enhancements (ATA 30)
F-2000-189-078	3 May 2000	Landing Gears - Install modified uplock boxes (ATA 32)
F-2000-281-078 R1	19 September 2001	Fire protection - Fire handles (ATA 26)
F-2000-449-082 R2	19 September 2001	Take-off after use of type II or IV fluids - Appendix to the Flight Manual (ATA 04)
F-2000-454-081	15 November 2000	Electrical system - Engine start selector (ATA 24, 80)
F-2001-214-084	30 May 2001	Propeller feathering -ATPCS test selector switch (ATA 24, 61)
F-2001-387-085	5 September 2001	Flight controls - Normal pitch trim switches
F-2001-554-087 R1	2 October 2002	Wing to fuselage fairing panel (ATA 53)
F-2002-071-091	23 January 2002	Engines - High pressure oil pump - Pressure Regulating Valve (PRV) (ATA 79)
F-2002-090-092	20 February 2002	Electrical rack 90VU - Wire bundle routing on 93, 94 and 95VU carbon shelves (ATA 92)
F-2002-431	21 August 2002	Flight controls - Pitch control interface
F-2002-539	30 October 2002	Forward attendant seat (ATA 25)
F-2003-106 R1	16 April 2003	Flight controls - Stand by pitch trim switch (ATA 92)
F-2003-376	1 October 2003	Main Landing Gear - Swinging lever (ATA 32)
F-2004-191	22 December 2004	Wings - Outer wing boxes - Upper skin and ribs
F-2005-160	12 October 2005	Fuel - Fuel quantity indicators

Avions de Transport Regional ATR 42 Series Aeroplanes

AD/ATR 42/1 (continued)

Table 2

EASA AD	Issue Date	Title
2006-0216-E	14 July 2006	Main Landing Gear - Shock absorber - Cross locking bolt of the attachment pin
2006-0283	14 September 2006	Electrical Power - 120 VU Electrical Harness - Inspection

Note: EASA and DGAC ADs may be accessed via the internet at the following URLs:

<http://ad.easa.europa.eu/>

http://www.gsac.fr/php/P_ConsignesNav.php

Compliance: For Requirements 1 and 2 - Within 30 days after the effective date of this Directive or prior to the issue of a Certificate of Airworthiness, whichever occurs first.

This Airworthiness Directive becomes effective on 22 June 2007.

Background: The DGAC and EASA ADs listed in Table 1 and 2 of this Directive require one time actions for which the compliance date and/or period has passed. CASA has determined that these ADs may be applicable to recently registered or imported Australian aircraft. This Directive is issued to ensure all State of Design ADs are complied with.

CASA appreciates that, due to date of aircraft manufacture or aircraft configuration and modification status, not all the ADs listed in Table 1 and 2 will be applicable to all ATR 42 series aeroplanes.



David Punshon
Delegate of the Civil Aviation Safety Authority

8 June 2007