



**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES
LARGE AIRCRAFT**

BIWEEKLY 2005-22

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U.S. Department of Transportation
Federal Aviation Administration
Regulatory Support Division
Delegation and Airworthiness Programs Branch, AIR-140
P. O. Box 26460
Oklahoma City, OK 73125-0460
FAX 405-954-4104

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-01			
2004-22-25	COR	Boeing	767-200, -300, and -300F Series
2004-23-06	COR	Boeing	757-200, -200PF, -200CB, and 757-300 Series
2004-24-06		SAAB Aircraft AB	SAAB SF340A and SAAB 340B Series
2004-25-01		Gulfstream Aerospace LP	Gulfstream 100, Astra SPX, and 1125 Westwind Astra Series
2004-25-02		Airbus	A320-111, -211, -212, and -231 Series
2004-25-03	S 99-01-17	Airbus	A320-111, -211, -212, and -231 Series
2004-25-12	COR	EMBRAER	EMB-135 and -145 Series
2004-26-03	S 2001-23-02	Rolls-Royce plc	Engine: RB211-535E4-37, RB211-535E4-B-37, RB211-535C-37, RB211-535E4-B-75, RB211-535E4-C, and RB211-22B-02 Turbofan
2004-26-04	S 99-22-14	Pratt & Whitney	Engine: JT8D-209, -217, -217A, -217C, and -219 Turbofan
2004-26-05	S 97-07-04	Rolls-Royce plc	Engine: RB211-524B-02, -524B2, -524B3, -524B4, -524C2, -524D4, RB211-524G, and -524H Series
2004-26-06		Boeing	767-300 and 767-300F Series
2004-26-07		Airbus	A318-111, -112, A319-111, -112, -113, -114, -115, -131, -132, -133, A320-111, -211, -212, -214, -231, -232, -233, A321-111, -112, -131, -211, and -231 Series
2004-26-08		Bombardier, Inc.	CL-215-6B11 (CL215T Variant) and CL-215-6B11 (CL415 Variant) Series
2004-26-10	S 2004-05-22	Rolls-Royce Deutschland (RRD)	Tay 611-8, Tay 620-15, Tay 620-15/20, Tay 650-15, Tay 650-15/10, and Tay 651-54 Turbofan
2004-26-12		EMBRAER	ERJ 170 Series
2005-01-01	S 2002-04-10	Airbus	A319 and A320-200 Series
2005-01-02		Lockheed	1329-23A, -23D, -23E, and 1329-25 Series
2005-01-03		Boeing	747-100, -100B, -100B SUD, -200B, -200C, -200F, -300, 747SP and 747SR Series
2005-01-04	S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, C90B, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99
2005-01-05	S 2004-09-15	EMBRAER	EMB-135 and EMB-145 Series
2005-01-06		Airbus	A310-203, -204, -221, -222, -304, -322, -324, and -325 Series
2005-01-07		Boeing	747-100 and -200B Series
2005-01-08		Airbus	A310, A300 B4-600, B4-600R, F4-600R, and C4 605R Variant F (Collectively Called A300-600), Series
2005-01-09		Boeing	747-100, -200B, -200F, -200C, -100B, -300, -100B SUD, -400, -400D, -400F, and 747SR Series
Biweekly 2005-02			
94-01-10 R2	R	Boeing	757-200 and -200PF Series
98-20-38 R1	R	Raytheon Aircraft Company	Beech 200 (A100-1 (U-21J)), Beech 200C, Beech 200CT, Beech 200T, Beech A200 (C-12A) or (C-12C), Beech A200C (UC-12B), Beech A200CT (C-12D), (FWC-12D), (RC-12D), (C-12F), (RC-12G), (RC-12H), (RC-12K), or (RC-12P), B200CT, and B200T
2005-01-12		Boeing	757-200, -200PF, and -200CB Series
2005-01-13		Boeing	767-300 Series
2005-01-15	S 2002-11-08	Rolls-Royce plc	Engine: RB211 Trent 875, 877, 884, 884B, 892, 892B, and 895 Series Turbofan
2005-01-16	S 2001-16-05	Rolls-Royce plc	Engine: RB211 Trent 768-60, Trent 772-60, and Trent 772B-60 Turbofan
2005-01-18	S 93-25-07	Raytheon Aircraft Company	A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D), A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, 200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12M), B200CT, 300, B300, B300C, and B300C
2005-01-19	S 2004-10-15	GARMIN International Inc.	Appliance: GTX 33, GTX 33D, GTX 330, and GTX 330D Mode S Transponders

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AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-03			
2004-26-04	COR S 99-22-14	Pratt & Whitney	Engine: JT8D-209, -217, -217A, -217C, and -219 Turbofan
2004-26-10	COR S 2004-05-22	Rolls-Royce Deutschland (RRD)	Engine: Tay 611-8, Tay 620-15, Tay 620-15/20, Tay 650-15, Tay 650-15/10, and Tay 651-54 Turbofan
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, and C99
2005-01-18	COR S 93-25-07	Raytheon Aircraft Company	A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D), A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, B200CT, 200T, B200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12M), 300, B300, and B300C
2005-02-02		Boeing	767-200, -300, and -300F Series
2005-02-03	S 99-27-01	Pratt & Whitney	Engine: JT8D-209, -217, -217A, -217C, and -219 Series Turbofan
2005-02-04		McDonnell Douglas	MD-10-10F, MD-10-30F, MD-11F, DC-10-10F, and DC-10-30F
2005-02-05	S 2003-12-15	Rolls-Royce plc	Engine: RB211-535E4-37, RB211-535E4-B-37, and RB211-535E4-B-75 Series Turbofan
2005-02-06		McDonnell Douglas	MD-11 and MD-11F
2005-02-07		EMBRAER	EMB-135BJ Series
2005-02-08		McDonnell Douglas	MD-11 and MD-11F
2005-02-09		Airbus	A319, A320, and A321 Series
2005-02-10		Boeing	757 Series
2005-03-01		Boeing	747 Series
2005-03-02		Boeing	737-300, -400, -500, 757-200, and -200CB Series
2005-03-03	S 2002-08-07	Boeing	767-200, -300, and -300F Series
2005-03-05	R 2003-04-10	McDonnell Douglas	MD-90-30
Biweekly 2005-04			
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99
2005-03-06	S 2003-05-04	Rolls-Royce Deutschland Ltd. & Co KG	Engine: Tay 611-8, 620-15, 650-15, and 651-54 Turbofan
2005-03-11	COR S 2004-05-10	Boeing	767-200 and -300 Series
2005-03-12	COR	Airbus	A340-200 and A340-300 Series
2005-03-13		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)
2005-03-14	COR S 2001-22-02	Airbus	A300 B2 and B4 Series
2005-03-15		BAE Systems (Operations) Ltd	BAe 146 and Avro 146-RJ Series
2005-03-16		Raytheon Aircraft Company	DH.125, HS.125, BH.125, BAe.125 Series 800A (C-29A and U-125) and 800B, Hawker 800 (including variant U-125A), and 800XP
2005-04-01		Boeing	707-E3A (Military), -100, -100B, -300, -300B (-320B Variant), -300C, 720, 720B, 737-100, -200, -200C, -300, -400, -500, 747-100, -100B, -100B SUD, -200B, -200C, -200F, -300, -400, -400D, -400F, 747SP, 747SR, 747-400, and -400F Series
2005-04-02		Dassault Aviation	Falcon 10 Series
2005-04-03		Boeing	747-400, -400D, and -400F Series
2005-04-04		SAAB Aircraft AB	SAAB SF340A and SAAB 340B Series
2005-04-05		Embraer	EMB-135 and -145 Series
2005-04-06		Gulfstream Aerospace Corp.	GV-SP Series
2005-04-07		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440), CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), and CL-600-2B16 (CL-601-3A, CL-601-3R, & CL-604) Series
2005-04-51	E	Boeing	747-100B SUD, -200C, -200F, -300, and 747-200B Series

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Biweekly 2005-05			
2004-22-07	COR	General Electric Company	Engine: (GE) CF6-80C2A1, -80C2A2, -80C2A3, -80C2A5, -80C2A5F, -80C2A8, -80C2B1, -80C2B1F, -80C2B2, -80C2B2F, -80C2B4, -80C2B4F, -80C2B5F, -80C2B6, -80C2B6F, -80C2B6FA, -80C2B7F, -80C2B8F, and -80C2D1F turbofan
2005-04-08		Hartzell Propeller Inc.	Propeller: HC-B3TN-5()/T10282()
2005-04-11		Airbus	A300 B2 and B4 series airplanes; A300 B4-600, B4-600R, and F4-600R series airplanes, and Model C4-605R Variant F airplanes (collectively called A300-600); and A310 series
2005-04-12		SAAB Aircraft AB	SAAB SF340A
2005-04-13		Short Brothers PLC	SD3-60 series
2005-04-14		Boeing	757-200, 757-200CB, and 757-200PF series
2005-04-15		Dassault Aviation	Falcon 2000EX and Falcon 900EX series
2005-04-51	E	Boeing	747-100B SUD, -200C, -200F, -300 series and Boeing Model 747-200B series
2005-05-01		Boeing	757-200, -200CB, and -200PF series airplanes; and 757-300 series
2005-05-02		McDonnell Douglas	MD-90-30
2005-05-03		BAE Systems	BAe 146 and Avro 146-RJ series
2005-05-04		Aerospatiale	ATR 42-200, -300, and -320 series
Biweekly 2005-06			
2005-03-11	COR S 2004-05-10	Boeing	767-200 and -300 series
2005-03-12	COR	Airbus	A330 series airplanes; and Model A340-200 and A340-300 series
2005-05-05		Airbus	A300 B4-600, B4-600R, and F4-600R series airplanes; and C4-605R Variant F airplanes (collectively called A300-600). A310 series
2005-05-06	S 2003-15-09	Rolls-Royce plc	Engine: RB211 Trent 768-60, Trent 772-60, and Trent 772B-60 turbofan engines
2005-05-07		Boeing	747-100, -100B, -100B SUD, -200B, -200C, -200F, and -300 series airplanes; and Model 747SP and 747SR series
2005-05-08		Boeing	747-100B SUD, -300, -400, and -400D series
2005-05-09		EMBRAER	EMB-135 and -145 series
2005-05-10		BAE Systems Operations	BAe 146 series
2005-05-11		Fairchild Dornier GmbH	328-300 series
2005-05-12		BAE Systems Operations	Model 4101
2005-05-13	S 2002-10-07	Pratt & Whitney	Engine: JT9D-59A, -70A, -7Q, and -7Q3 turbofan
2005-05-15		Honeywell International Inc.	Engine: TFE731-2 and -2C series, and TFE731-3, -3A, -3AR, -3B, -3BR, and -3R series turbofan
2005-05-16		Airbus	A300 B4-622R and A300 F4-622R
2005-05-17		Boeing	737-300, -400, and -500 series
2005-05-18		Boeing	737-600, -700, -700C, -800, and -900 series
2005-05-19	COR S 2002-24-05	Boeing	727, 727C, 727-100, -100C, -200, and -200F series
2005-06-02		Boeing	757-200 series
2005-06-03		McDonnell Douglas	MD-90-30
2005-06-04	S 2004-05-12R1	Bombardier, Inc (Formerly Canadair)	CL-600-2B19 (Regional Jet Series 100 & 440)
2005-06-05		McDonnell Douglas	DC-8
2005-06-06		Airbus	A319, A320, and A321 series

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Biweekly 2005-07			
2005-06-07	S 99-18-19	General Electric	Engine: CF6-80A1/A3 and CF6-80C2A series turbofan
2005-06-08		Airbus	A330, A340-200, and A340-300 series
2005-06-09		Boeing	747-200B, 747-200C, 747-200F, 747-300, and 747SR series airplanes
2005-06-10		Boeing	767-200, -300, and -300F series
2005-06-11	S 2000-04-17	Boeing	747-100, -100B, -100B SUD, -200B, and -300 series airplanes; and Model 747SR and 747SP series
2005-06-12	S 2002-18-04	Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-300, 747SP, and 747SR series
2005-06-14	COR S 99-17-12	BAE Systems Operations	BAe 146 and Avro 146-RJ series
2005-07-02		Boeing	777-200 and -300 series
2005-07-03		McDonnell Douglas	DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, and DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32, (VC-9C), DC-9-32F, DC-9-33F, DC-9-34, and DC-9-34F, DC-9-32F (C-9A, C-9B), DC-9-41, DC-9-51, DC-9-81 (MD-81), and DC-9-82 (MD-82)
2005-07-04		Airbus	A330, A340-200, and A340-300 series
2005-07-05		General Electric	Engine: CF6-45A, CF6-50A, CF6-50C, and CF6-50E series turbofan
2005-07-06	S 2003-26-05	General Electric	Engine: CF34-8C1 series and CF34-8C5 series turbofan
2005-07-07		Airbus	A310 Series Airplanes; and Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model C4 605R Variant F airplanes (collectively called A300-600)
2005-07-08		Boeing	757-200 and -200PF series
2005-07-10	S 2004-13-03	Rolls-Royce (1971) Limited, Bristol Engine Division	Engine: Viper Mk.601-22 turbojet
Biweekly 2005-08			
83-08-01 R2	R, S 83-08-01 R1	Hartzell Propeller Inc.	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, and HC-B5MP-3 turbopropellers
2005-06-14	COR S 99-17-12	BAE Systems Operations	BAe 146 and Avro 146-RJ series
2005-07-09	S 2004-04-04	General Electric Company	Engine: CF34-8E series turbofan
2005-07-12		Boeing	737-100, -200, -200C, -300, -400, and -500 series
2005-07-13		Boeing	767-300 series and 767-400ER series
2005-07-14		Airbus	A318, A319, A320, and A321 series
2005-07-15		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 and 440)
2005-07-16		Boeing	767-400ER series and Model 777-200 and -300 series
2005-07-17		Bombardier, Inc.	DHC-8-102, -103, -106, -201, -202, -301, -311, and -315
2005-07-18		McDonnell Douglas	DC-9-15F and Model DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-33F, DC-9-34, DC-9-34F, DC-9-32F (C-9A, C-9B), DC-9-41, and DC-9-51
2005-07-19		Boeing	737-100, -200, -200C, -300, -400, and -500 series
2005-07-20		Boeing	737-600, -700, -800, and -900 series
2005-07-21	S 98-09-17	Boeing	747-200F and -200C series
2005-07-22		EMBRAER	ERJ 170 series
2005-07-23		Dassault	Falcon 10 series
2005-07-24		Boeing	777-200 and -300 series
2005-07-25	S 2000-18-07	Airbus	A300 B2 and B4 series; A300 B4-600, A300 B4-600R, A300 C4-605R Variant F, and A300 F4-600R (collectively called A300-600) series, and A310 series
2005-07-26		Saab Aircraft AB	SAAB 2000 series
2005-07-27	S 2000-18-04	Aviointeriors S.p.A.	Appliance: 312 seats
2005-08-01	S 91-11-01 and 2005-04-51	Boeing	747-100, -100B, -100B SUD, -200B, -200C, -200F, and -300 series; and 747SP and 747SR series
2005-08-02	S 2000-19-02	EMBRAER	EMB-135 and -145 series
2005-08-03		Cessna	680
2005-08-04		General Electric Company (GE)	Engine: CF6-45 and CF6-50 series turbofan

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Biweekly 2005-09			
2005-05-17	COR	Boeing	737-300, -400, and -500 series
2005-08-05		BAE Systems (Operations) Limited	4101
2005-08-08	S 2001-25-01	McDonnell Douglas	DC-8-33, DC-8-43, DC-8-51, DC-8-52, DC-8-53, DC-8F-54, DC-8-55, DC-8F-55, DC-8-61, DC-8-61F, DC-8-62, DC-8-62F, DC-8-63, DC-8-63F, DC-8-71, DC-8-71F, DC-8-72, DC-8-72F, DC-8-73, and DC-8-73F
2005-08-09		Boeing	747-200B, -200C, -200F, and -400F series
2005-08-10		Boeing	737-600, -700, and -800 series
2005-08-11		Saab Aircraft AB	SAAB SF340A series and SAAB 340B series
2005-08-15	S 2001-17-24	Boeing	707-100 long body, -200, -100B long body, and -100B short body series; 707-300, -300B, -300C, and -400 series; and 720 and 720B series
2005-08-16		BAE Systems (Operations) Limited	Avro 146-RJ series
2005-09-01		Cessna Aircraft Company	750
2005-09-02	S 2004-25-23	Boeing	747 series
2005-09-03		Raytheon Aircraft Company	Hawker 800XP
2005-09-04	S 99-13-07	McDonnell Douglas	DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), and MD-88
Biweekly 2005-10			
2004-25-16 R1	R, 2004-25-16	Kelly Aerospace Power Systems	Appliance: Fuel Regulator Shutoff Valves
2005-06-07	C, S, 99-18-19	General Electric Company	Engine: CF6-80A1/A3 and CF6-80C2A Turbofan Series
2005-07-13	C	Boeing	767-300 and 400ER Series
2005-09-08	S, 2003-04-10 and 2005-03-05	McDonnell Douglas	MD-90-30
2005-10-01		Airbus	A310 Series
2005-10-02		Fairchild Dornier GMBH	328-300 Series
2005-10-03		Boeing	777-200 and 777-300 Series
2005-10-04		Airbus	A319, A320, and A321 Series
2005-10-05		CFM International	Engine: CFM56-5, 5B, and 5C Turbofan Series
2005-10-06		Fairchild Dornier GMBH	328-300 Series
Biweekly 2005-11			
2005-09-02	COR, S 2004-25-23	Boeing	747 Series
2005-10-07		Fokker	F.28 Series
2005-10-08		Bombardier, Inc.	DHC-8-102, -103, -106, -201, -202, -301, -311, and -315
2005-10-09	S 98-20-11	Saab	SF340A and 340B Series
2005-10-10		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)
2005-10-11	S 2001-14-06	Boeing	737-300, -400, and -500 Series
2005-10-15		Airbus	A300 B4-600, B4-600R, and F4-600R series and C4-605R Variant F (collectively called A300-600 series airplanes) and A310 series
2005-10-16		General Electric Company	Engine: CF6-80E1 Series Turbofan
2005-10-17		Boeing	777-200 and -300 Series
2005-10-18	S 98-26-13	Boeing	747-100, -100B, -100B SUD, -200B, -200C, -300, -400, and -400D series and 747SR series
2005-10-19		Boeing	747-100, 747-100B, 747-200B, 747-300, 747SR, and 747SP series and 747-400 and 747-400D series
2005-10-20		Boeing	777-200 Series
2005-10-21	S 90-09-09	Boeing	747 Series
2005-10-22		Boeing	747-200C and 747-200F Series
2005-11-02	S 2001-09-13	Boeing	767-200, -300, and -300F series
2005-11-03		McDonnell Douglas	717-200
2005-11-04		Bombardier, Inc.	CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), and CL-600-2B16 (CL-601-3A, CL-601-3R, and CL-604)

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Biweekly 2005-12			
2005-03-14	COR, S 2001-22-02	Airbus	A300 B2 and B4 series
2005-07-05	COR	General Electric Company	Engine: (GE) CF6-45A, CF6-50A, CF6-50C, and CF6-50E series turbofan
2005-11-05		Precise Flight, Inc.	Appliance: SVS I and SVS IA standby vacuum systems (SVS)
2005-11-09		Boeing	727-200 series
2005-11-10		Bombardier, Inc.	DHC-8-102, -103, -106, -201, -202, -301, -311, and -315
2005-11-11		Bombardier, Inc.	DHC-8-400, -401 and -402 series
2005-11-12		Boeing	767-200, -300, and -300F series
2005-11-13		BAE Systems (Operations) Limited	BAe 146-100A, -200A, and -300A series
2005-11-14		Dassault Aviation	Mystere-Falcon 50, Falcon 2000 series and Mystere-Falcon 900 and Falcon 900EX series
Biweekly 2005-13			
2005-11-14	COR	Dassault Aviation	Mystere-Falcon 50 and Falcon 2000 series
2005-12-04		Boeing	757-200, -200PF, and -200CB series
2005-12-05	S 2003-14-04	Transport Category Airplanes	See Ad for Manufacturers and Models
2005-12-06	S 96-12-07	Teledyne Continental Motors	Appliance: S-20, S-1200, D-2000, and D-3000 Series Magnetos
2005-12-07		Airbus	A319, A320, and A321 series
2005-12-10		Boeing	747-200F and -400, 767-400ER, 777 series
2005-12-11		Boeing	757-200 series
2005-12-14		Boeing	767-200, -300, and -400ER series
2005-12-15		Bombardier, Inc.	DHC-8-400 series
2005-12-16		Fokker Services B.V.	F.28 Mark 0100
2005-12-17		Bombardier, Inc.	DHC-8-400 series
2005-12-18		Boeing	757-200, -200PF, -200CB, and -300 series
2005-12-19		Airbus	A319, A320, and A321 series
2005-13-02		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700 & 701), CL-600-2D24 (Regional Jet Series 900) series
2005-13-03		AvCraft Aerospace GmbH	328-100 and -300 series
2005-13-04		AvCraft Aerospace GmbH	328-100 and 328-300 series
2005-13-05		Boeing	747-400F series
2005-13-06		Bae Systems (Operations) Limited	BAe 146 and Avro 146-RJ
2005-13-07		Honeywell International Inc.	Engine: TFE731-2 and -3 series turbofan
2005-13-08		BAE Systems (Operations) Limited	Jetstream 4101
2005-13-11		General Electric Company	Engine: CT64-820-4 turboprop
2005-13-14		McDonnell Douglas	MD-90-30
2005-13-15		Boeing	737-200, -200C, -300, -400, -500, 737-600, -700, -700C, -800, and -900 series
2005-13-20		Boeing	747-400, -400D, -400F, 767-200, -300, -300F, 777-200 and -300 series
2005-13-21		Cessna Aircraft Company	650
2005-13-22	S 2005-08-02	Empresa Brasileira de Aeronautica S.A.	EMB-135BJ, -135ER, -135KE, -135KL, -135LR; and EMB-145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP
2005-13-24		AvCraft Aerospace GmbH	328-100

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AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-14			
2005-12-05	COR, S 2003-14-04	Transport Category Airplanes	See Ad for Manufacturers and Models
2005-12-07	COR	Airbus	A319, A320, and A321 series
2005-13-18	S 98-20-17	McDonnell Douglas	DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, and DC-9-15F; DC-9-21; DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-33F, DC-9-34, DC-9-34F, and DC-9-32F (C-9A, C-9B); DC-9-41; DC-9-51; DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), and DC-9-87 (MD-87); and MD-88
2005-13-19		BAE Systems (Operations) Limited	BAe 146 and Avro 146-RJ series
2005-13-26		Airbus	A300 B2-1A, B2-1C, B2K-3C, and B2-203; A300 B4-2C, B4-103, and B4-203; A300 B4-601, B4-603, B4-620, and B4-622; A300 B4-605R and B4-622R; A300 F4-605R and F4-622R; A300 C4-605R Variant F; A310-203, -204, -221, and -222; and A310-304, -322, -324, and -325
2005-13-27		Boeing	737-300, -400, and -500 series
2005-13-28		Boeing	777-200 and -300 series
2005-13-29		Boeing	777-200 and -300 series
2005-13-30		Boeing	737-100, -200, and -200C series
2005-13-31		Short Brothers PLC	SD3-60
2005-13-32		Fokker Services B.V.	F.28 Mark 1000, 2000, 3000, and 4000
2005-13-33		Airbus	A300 B2-1A, B2-1C, B2K-3C, and B2-203; and A300 B4-2C, B4-103, and B4-203
2005-13-34		Boeing	777-200 and -300 series
2005-13-36		Learjet	23, 24, 24A, 24B, 24B-A, 24C, 24D, 24D-A, 24E, 24F, 24F-A, 25, 25A, 25B, 25C, 25D, 25F, 28, 29, 31, 31A, 35, 35A (C-21A), and 36
2005-13-37		Fokker Services B.V.	F.28 Mark 0070 and 0100
2005-13-38		Bombardier, Inc.	DHC-8-100, DHC-8-200, and DHC-8-300 series
2005-13-39	S 2004-03-02	Airbus	A321-111, -112, -131, -211, and -231
2005-13-40		Boeing	727, 727C, 727-100, 727-100C, 727-200, and 727-200F series
2005-14-01		Airbus	A300 B4-600, B4-600R, and F4-600R series, and C4-605R Variant F airplanes (collectively called A300-600 series airplanes); A310-203, -204, -221, -222, -304, -322, -324, and -325; and A300 B2-203 and B4-203
2005-14-03		Empresa Brasileira De Aeronautica S.A.	EMB-145 and EMB-135 series
2005-14-05		Boeing	777-200 and -300 series
2005-14-09		Rolls-Royce plc	Engine: RB211 Trent 768-60, Trent 772-60, and Trent 772B-60 turbofan

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AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-15			
2005-13-22	COR, S 2005-08-02	Embraer	EMB-135BJ, -135ER, -135KE, -135KL, and -135LR airplanes; and Model EMB-145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP
2005-14-02		Embraer	EMB-135 and Model EMB-145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP
2005-14-03		Embraer	EMB-145 and EMB-135 series
2005-14-04		Boeing	777-200 and -300 series
2005-14-06		Boeing	707-300B, -300C, and -400 series
2005-14-07		Boeing	727, 727C, 727-100, 727-100C, 727-200, and 727-200F series
2005-14-08	S 2001-13-06	Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, 747SR, and 747SP series
2005-14-10	S 95-23-09	McDonnell Douglas	DC-10-10 and DC-10-10F airplanes; Model DC-10-15 airplanes; Model DC-10-30 and DC-10-30F (KC-10A and KDC-10) airplanes; and Model DC-10-40 and DC-10-40F
2005-14-11		Hartzell	Propeller: See AD
2005-05-01		Lockheed	L-1011-385 Series
2005-15-02		Airbus	A320-111 airplanes and Model A320-200 series
2005-15-03		McDonnell Douglas	DC-10-10, DC-10-10F, DC-10-15, DC-10-30, DC-10-30F (KC-10A and KDC-10), DC-10-40, DC-10-40F, MD-10-10F, and MD-10-30F airplanes. MD-11 and MD-11F airplanes
2005-15-05		Airbus	A300 B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, and C4-605R Variant F
2005-15-06		Boeing	747-200C and 747-200F Series
Biweekly 2005-16			
2005-15-04		Bombardier, Inc.	CL-600-1A11 (CL-600), CL-600-2A12 (CL-601) and CL-600-2B16 (CL-601-3A, and CL-601-3R), CL-600-2B16 (CL-604)
2005-15-07		Airbus	A320-111; A320-211, -212, -214, -231, -232, and -233
2005-15-08		Boeing	747-100B SUD, -200B, -300, -400, and -400D series
2005-15-09		Airbus	A300 B2-1A, B2-1C, B2K-3C, B4-2C, B4-103, B4-203; A300 B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, C4-605R Variant F; A310-203, -204, -221, -222, -304, -322, -324, and -325
2005-15-11		BAE Systems	Jetstream 4101
2005-15-12		McDonnell Douglas	MD-11, MD-11F; DC-10-10, DC-10-10F, DC-10-15, DC-10-30, DC-10-30F (KC-10A and KDC-10), DC-10-40, DC-10-40F, MD-10-10F, and MD-10-30F
2005-15-13		Rolls-Royce plc.	Engine: RB211-524 -524B-02, -524B-B-02, -524B3-02, -524B4-02, -524B4-D-02, -524B2-19, -524B2-B-19, -524C2-19, -524C2-B-19, -524D4-19, -524D4-B-19, -524D4X-19, -524D4X-B-19, -524D4-39, -524D4-B-39, -524G2-19, -524G2-T-19, -524G3-19, -524G3-T-19, -524H2-19, -524H2-T-19, -524H-36, -524H-T-36
2005-15-14		McDonnell Douglas	DC-8-11, DC-8-12, DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43, DC-8-51, DC-8-52, DC-8-53, DC-8-55, DC-8F-54, DC-8F-55, DC-8-61, DC-8-62, DC-8-63, DC-8-61F, DC-8-62F, DC-8-63F, DC-8-71, DC-8-72, DC-8-73, DC-8-71F, DC-8-72F, and DC-8-73F
2005-15-15		Boeing	757-200, -200PF, and -200CB series
2005-15-16		Avcraft Aerospace GmbH	328-300
2005-16-01		Boeing	747-200B, 747-300, 747-400, and 747-400D series
2005-16-02		Raytheon Aircraft	HS.125 series 700A, BAe.125 series 800A, and Hawker 800 and Hawker 800XP
2005-16-03		Bombardier, Inc.	DHC-7-100, DHC-7-101, DHC-7-102, and DHC-7-103

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AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-17			
2005-04-14	R1, 2005-04-14	Boeing	757-200, 757-200CB, and 757-200PF Series
2005-16-06		Boeing	747-100, -100B, -100B SUD, -200B, -200C, -200F, -300, -400F, 747SP, and 747SR series, 747-200B, -200C, -300, -400, and -400D series
2005-16-07		Boeing	727, 727C, 727-100, 727-100C, 727-200, and 727-200F series
2005-16-08		McDonnell Douglas	717-200
2005-16-09	S 95-25-03	Learjet	23, 24, 25, 35, and 36
2005-16-10		Boeing	747-400 and 747-400D Series
2005-16-11		Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747SP, and 747SR series
2005-16-12		Rolls-Royce Deutschland Ltd.	Engine: BR700-715A1-30, BR700-715B1-30, and BR700-715C1-30 turbofan
2005-16-13		Gulfstream Aerospace	Galaxy and Gulfstream 200
2005-16-14		Gulfstream Aerospace	G-IV, GIV-X, GV, and GV-SP
Biweekly 2005-18			
2005-13-35	S 2000-02-13	Bombardier, Inc.	DHC-8-100, DHC-8-200, and DHC-8-300 series
2005-17-02		Boeing	777-200 and -300 series
2005-17-03		Bombardier, Inc.	CL-600-2B19 (Regional Jet series 100 & 440)
2005-17-04		McDonnell Douglas	DC-10-10, DC-10-10F, DC-10-15, DC-10-30, DC-10-30F (KC-10A and KDC-10), DC-10-40, DC-10-40F, MD-10-10F, and MD-10-30F
2005-17-05		General Electric Company	Engine: GE CF6-80C2 and CF6-80E1 turbofan
2005-17-07		Airbus	A320-111, A320-211, -212, -214, -231, -232, and -233
2005-17-08		Airbus	A321 series
2005-17-09	S 2000-26-04	Boeing	747, 757, 767, and 777 series
2005-17-10		SAAB Aircraft AB	SAAB 2000
2005-17-12		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)
2005-17-13		Short Brothers PLC	SD3-60
2005-17-14	S 98-13-33	Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203; A300 B4-2C, B4-103, B4-203; A300 B4-601, B4-603, B4-605R, B4-620, B4-622, B4-622R, C4-605R Variant F, F4-605R, F4-622R; A310-203, -204, -221, -222, -304, -322, -324, and -325
2005-17-16		Pratt & Whitney	Engine: JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R, -17AR, -209, -217, -217A, -217C, and -219 turbofan
2005-17-18		Airbus	A330-201, -202, -203, -223, -243, -301, -321, -322, -323, -341, -342, -343; A340-211, -212, -213, -311, -312, -313, -541, and -642
2005-18-02	S 2002-13-09	Pratt & Whitney	Engine: JT8D-209, -217, -217A, -217C, and -219 turbofan
2005-18-03	S 2002-12-06	Pratt & Whitney	Engine: PW2037, PW2040, PW2043, PW2143, PW2643, PW2037D, PW2037M, and PW2040D series turbofan
2005-18-05	S 98-04-08	Bombardier, Inc.	CL-215-1A10 (Water Bomber), CL-215-6B11 (CL215T Variant), and CL-215-6B11 (CL415 Variant)
2005-18-06	S 2002-19-07	Bombardier, Inc.	CL-600-2B19 (Regional Jet series 100 & 440)
2005-18-07	S 2004-06-06	McDonnell Douglas	DC-8-11, DC-8-12, DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43; DC-8-51, DC-8-52, DC-8-53, DC-8-55; DC-8F-54, DC-8F-55; DC-8-61, DC-8-62, DC-8-63; DC-8-61F, DC-8-62F, DC-8-63F; DC-8-71, DC-8-72, DC-8-73; DC-8-71F, DC-8-72F, and DC-8-73F.
2005-18-51	E, S 2005-10-03	Boeing	777-200, -300, and -300ER series

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Biweekly 2005-19			
2005-01-15R1	R1, 2005-01-15	Rolls-Royce plc	Engine: RB211 Trent 875, 877, 884, 884B, 892, 892B, and 895 series turbofan
2005-18-04		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)
2005-18-08		Boeing	737-100, -200, -200C, and -300 series
2005-18-09		Boeing	757-200 and -300 series
2005-18-10		Boeing	777-200 and -300 series
2005-18-11		Airbus	A340-211, -212, and -213, and A340-311, -312, and -313
2005-18-13		Israel Aircraft Industries, Ltd.	1124 and 1124A
2005-18-14	S 2005-07-23	Avions Marcel Dassault-Breguet Aviation	Falcon 10
2005-18-15		Dassault Aviation	Falcon 2000EX
2005-18-16		General Electric Company	Engine: CF34-3A1 turbofan
2005-18-17		Bombardier, Inc.	DHC-8-400 series
2005-18-18		Boeing	757-200, -200PF, -200CB, and -300 series
2005-18-19		Fokker Services B.V.	F27 Mark 200, 400, 500, and 600
2005-18-20		Goodrich De-icing and Specialty Systems	Appliance: P4E1188 series, P4E1601 series, P4E2200 series, P4E2271-10, P4E2575-7, P4E2575-10, P4E2598-10, P5855BSW, P6199SW, P6592SW, P6662SW, and P6975-11
2005-18-23	S 2002-16-03	Boeing	737-600, -700, -700C, -800, and -900 series
2005-18-51	FR, S 2005-10-03	Boeing	777-200, -300, and -300ER series
2005-19-01		Empresa Brasileira de Aeronautica S.A.	ERJ 170-100LR, -100 STD, -100SE, and -100 SU
2005-19-02		Empresa Brasileira De Aeronautica S.A.	EMB-110P1 and EMB-110P2
2005-19-03	S 2000-26-10	BAE Systems (Operations) Limited	ATP
2005-19-04		Airbus	A340-211, -212, and -213, and Model A340-311, -312, and -313
2005-19-05		Aerospatiale	ATR42-500
2005-19-06		Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747SR, and 747SP series
2005-19-08		McDonnell Douglas	DC-9-14, DC-9-15, and DC-9-15F airplanes; Model DC-9-21 airplanes; Model DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-33F, DC-9-34, DC-9-34F, and DC-9-32F (C-9A, C-9B) airplanes; Model DC-9-41 airplanes; and Model DC-9-51
2005-19-09		Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, 747SR, and 747SP series

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AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-20			
2005-18-01		General Electric Company	Engine: CT7-5A2, -5A3, -7A, -7A1, -9B, -9B1, and -9B2 turboprop
2005-19-03	COR, S 2000-26-10	BAE Systems (Operations) Limited	ATP
2005-19-04	COR	Airbus	A340-211, -212, -213, A340-311, -312, and -313
2005-19-05	COR	Aerospatiale	ATR42-500
2005-19-06	COR	Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747SR, and 747SP series
2005-19-12		Airbus	A330-301, -321, -322, -341, -342, A340-211, -212, -213, -311, -312, and -313
2005-19-13		BAE Systems (Operations) Limited	HS 748 series 2A and series 2B
2005-19-14		Airbus	A318-111, -112; A319-111, -112, -113, -114, -115, -131, -132, -133, A320-111, -211, -212, -214, -231, -232, -233, A321-111, -112, -131, -211 and -231
2005-19-15	S 2004-13-07	BAE Systems (Operations) Limited	Jetstream 4101
2005-19-16		Airbus	A320-111, -211, -212, -214, -231, -232, and -233
2005-19-18	S 98-09-28	Short Brothers PLC	SD3-60 SHERPA, SD3-SHERPA, SD3-30, and SD3-60
2005-19-19		Boeing	737-300, -400, -500, -600, -700, -700C, -800 and -900 series
2005-19-21		Airbus	A330-202, -223, -243, -343, and A340-313
2005-19-22		Airbus	A330-322, -341, -342; A340-211, -212, -213, -311, -312, and -313
2005-19-23	S 2004-09-14	Boeing	767-200, -300, and -300F series
2005-19-24		Boeing	727 series
2005-19-25		Boeing	737-100, -200, -200C, -300, -400, and -500 series
2005-19-26		BAE Systems (Operations) Limited	ATP and Model HS 748 series 2A and series 2B
2005-19-27		Airbus	A330-201, -202, -203, -223, and -243
2005-20-01		Boeing	737-100, -200, -200C, -300, -400, and -500 series
2005-20-02		Boeing	707-100 long body, -200, -100B long body, -100B short body; 707-300, -300B, -300C, -400 series, 720 and 720B series
2005-20-03		Boeing	737-100, -200, -200C, -300, -400, and -500 series
2005-20-05		Boeing	767-200 and 767-300 series
2005-20-06		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, A300 B4-2C, B4-103, B4-203, A300 B4-601, B4-603, B4-620, B4-622, A300 B4-605R, B4-622R, A300 F4-605R, F4-622R, A300 C4-605R Variant F, Model A310-203, -204, -221, -222, -304, -322, -324, and -325
2005-20-08		Airbus	A330-201, -202, -203, -223, -243, -301, -321, -322, -323, -341, -342, -343, A340-211, -212, -213, -311, -312, and -313

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AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-21			
2003-17-07 R1	R 2003-17-07	McDonnell Douglas	DC-8-11, DC-8-12, DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43, DC-8-51, DC-8-52, DC-8-53, DC-8-55; DC-8F-54 DC-8F-55; DC-8-61, DC-8-62, and DC-8-63; DC-8-61F, DC-8-62F, DC-8-63F; DC-8-71, DC-8-72 DC-8-73; DC-8-71F, DC-8-72F, DC-8-73F, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F; DC-9-21; DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-33F, DC-9-34, DC-9-34F, DC-9-32F (C-9A, C-9B); DC-9-41; DC-9-51 ; DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87); MD-88, DC-10-10, DC-10-10F airplanes; DC-10-15; DC-10-30,DC-10-30F (KC-10A and KDC-10); DC-10-40, DC-10-40F, Model MD-11, MD-11F, MD-90-30 airplanes.
2004-19-06 R1 2005-19-28	R 2004-19-06	Boeing Airbus	767-200, -300, and -300F series A330-301, -321, -322, -341, and -342; A340-211, -212, -213, -311, -312, and -313
2005-20-05 2005-20-07 2005-20-09 2005-20-10 2005-20-12	COR S 2004-13-01	Boeing Airbus BAE Systems Airbus Dowty Aerospace Propellers	767-200 and 767-300 series A330-301, -321, -322, -323, -341, -342, and -343 series ATP airplanes A330-243, -341, -342, and -343 Propeller: R321/4-82-F/8, R324/4-82-F/9, R333/4-82-F/12, and R334/4-82-F/13
2005-20-13 2005-20-14 2005-20-15		Boeing Airbus McDonnell Douglas	727, 727C, 727-100, 727-100C, 727-200, and 727-200F series A300 B4-620, A310-304, A310-324, and A310-325 DC-10-10, DC-10-10F, Model DC-10-15; Model DC-10-30 and DC-10-30F (KC-10A and KDC-10); Model DC-10-40, DC-10-40F; MD-10-10F, MD-10-30F, MD-11 and MD-11F
2005-20-16 2005-20-17		Boeing Airbus	737-100, -200, and -200C series A319-111, -112, -113, -114, -115, -131, -132, -133; A320-111, -211, -212, -214, -231, -232, -233; A321-111, -112, -131, -211 and -231
2005-20-18	S 2001-13-12, 2003-08-11	Boeing	747-100, -200B, -200F, -200C, -100B, -300, -100B SUD, -400, -400D, -400F; and Model 747SR series
2005-20-19 2005-20-20		BAE Systems Airbus	ATP airplanes A330-301, -321, -322, -341, -342; A340-211, -212, -213; A340-311, -312, and -313
2005-20-21 2005-20-22 2005-20-23	S 2002-10-15	Fokker BAE Systems Rolls Royce plc	F27 Mark 050 airplanes ATP airplanes Engine: RB211 Trent 875, 877, 884, 884B, 892, 892B, and 895 series turbofan
2005-20-26 2005-20-27 2005-20-28		Avioninteriors S.p.A. Airbus Airbus	Appliance: 312 box mounted seats A340-211, -212, -311, and -312 A319-111, -112, -113, -114, -115, -131, -132, -133; A320-111, -211, -212, -214, -231, -232, -233; A321-111, -112, -131, -211 and -231
2005-20-29		Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-300, 747SP, and 747SR series
2005-20-30	S 2002-10-10	Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-300, 747SP, and 747SR series
2005-20-31 2005-20-32	S 91-08-51	Honeywell Flight Management Airbus	Appliance: Honeywell Flight Management System (FMS) A330-201, -202, -203, -223, -243, -301, -321, -322, -323, -341, -342, 343; Model A340-211, -212, -213, -311, -312, and -313
2005-20-33 2005-20-34 2005-20-35 2005-20-36	S 93-16-10	Boeing British Aerospace Airbus Airbus	727, 727C, 727-100, and 727-100C series HS 748 series 2A and series 2B A320-111 A320-111, -211, -212, -214, -231, -232, -233, A321-111, -112, -131, -211, and -231
2005-20-37		Embraer	EMB-135BJ, -135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP
2005-20-39 2005-20-40 2005-20-41		Boeing Boeing Boeing	737-100, -200, -200C, -300, -400, and -500 series 757-200, -200CB, and -200PF series 757-200, -200PF, and -300 series

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; FR - Final Rule of Emergency			
Biweekly 2005-22			
2005-21-05	S 2003-07-11	Rolls-Royce Deutschland Ltd & Co KG	Engine: BR700-710A1-10 and BR700-710A2-20 turbofan
2005-21-06		Boeing	737-600, -700, -700C, -800, and -900 series
2005-22-03		Rolls-Royce Corporation	Engine: 501-D22A, 501-D22C, and 501-D22G turboprop
2005-22-05		Airbus	A320-111, -211, -212, and -231
2005-22-06		Boeing	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747SR, and 747SP series
2005-22-07		Boeing	757-200, -200PF, and -300 series
2005-22-08		Empresa Brasileira de Aeronautica S.A.	EMB-135BJ, -135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP
2005-22-09		Aerospatiale	ATR42-200, -300, -320, and -500 airplanes, and Model ATR72-101, -201, -102, -202, -211, -212, and -212A

**ROLLS-ROYCE DEUTSCHLAND LTD & CO KG
AIRWORTHINESS DIRECTIVE
ENGINE
LARGE AIRCRAFT**

2005-21-05 Rolls-Royce Deutschland Ltd & Co KG (formerly Rolls-Royce Deutschland GmbH, formerly BMW Rolls-Royce GmbH): Amendment 39-14343. Docket No. 2000-NE-48-AD.

Effective Date

(a) This AD becomes effective November 25, 2005.

Affected ADs

(b) This AD supersedes AD 2003-07-11, Amendment 39-13107.

Applicability

(c) This AD applies to Rolls-Royce Deutschland Ltd & Co KG (RRD) (formerly Rolls-Royce Deutschland GmbH, formerly BMW Rolls-Royce GmbH) models BR700-710A1-10 and BR700-710A2-20 turbofan engines. These engines are installed on, but not limited to, Bombardier Inc. BD-700-1A10, BD-700-1A11, and Gulfstream Aerospace Corp. G-V series airplanes.

Unsafe Condition

(d) This AD results from a revised RRD service bulletin (SB) that introduces relaxed inspection intervals for certain P/N combinations of fan discs and fan blades, and introduces improved design fan discs and fan blades. The actions specified in this AD are intended to detect and prevent cracks in the fan disc that could result in an uncontained engine failure and damage to the airplane.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

Initial Inspection

Engines With Fan Disc P/N BRR18803 or BRR19248 Installed and Fan Blades P/N BRR20677 or BRR23178 Installed

(f) For engines with fan disc P/N BRR18803 or BRR19248 installed, and fan blades P/N BRR20677 or BRR23178 installed, do the following:

(1) If the last fan disc inspection was a visual inspection performed using RRD SB No. SB-BR700-72-900229, Revision 3, dated July 12, 2001; Revision 4, dated December 20, 2001; Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005, visually or ultrasonically inspect

fan disc within 25 flight cycles-since-last inspection (CSLI). Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 6, dated February 23, 2005 to do the inspection.

(2) If the last fan disc inspection was an ultrasonic inspection performed using RRD SB No. SB-BR700-72-900229, Revision 3, dated July 12, 2001; Revision 4, dated December 20, 2001; Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005, visually or ultrasonically inspect fan disc within 75 CSLI. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 6, dated February 23, 2005 to do the inspection.

(3) For engines that have not yet been inspected, visually or ultrasonically inspect fan disc within 25 flight cycles after the effective date of this AD. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 6, dated February 23, 2005 to do the inspection.

(4) If any cracks are found, remove the disc from service and replace with a serviceable disc.

Engines With Fan Disc P/N BRR20791 Installed, and Fan Blades P/N BRR20677 or BRR23178 Installed

(g) For BR700-710A1-10 engines with serial numbers (SNs) 11452 and lower, and BR700-710A2-20 engines with SNs 12352 and lower, with fan disc P/N BRR20791 installed, and fan blades P/N BRR20677 or BRR23178 installed, do the following:

(1) If the last fan disc inspection was a visual inspection performed using RRD SB No. SB-BR700-72-900229, Revision 3, dated July 12, 2001; Revision 4, dated December 20, 2001; Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005, visually or ultrasonically inspect fan disc within 25 CSLI. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 6, dated February 23, 2005 to do the inspection.

(2) If the last fan disc inspection was an ultrasonic inspection performed using RRD SB No. SB-BR700-72-900229, Revision 3, dated July 12, 2001; Revision 4, dated December 20, 2001; Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005, visually or ultrasonically inspect fan disc within 150 CSLI. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 6, dated February 23, 2005 to do the inspection.

(3) For engines that have not yet been inspected, visually or ultrasonically inspect fan disc within 25 flight cycles after the effective date of this AD. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 6, dated February 23, 2005 to do the inspection.

(4) If any cracks are found, remove the disc from service and replace with a serviceable disc.

(h) For BR700-710A1-10 engines with SNs 11453 and higher, and BR700-710A2-20 engines with SNs 12353 and higher with fan discs P/N BRR20791 installed, and fan blades P/N BRR20677 or BRR23178 installed, do the following:

(1) Visually or ultrasonically inspect fan discs within 150 flight cycles-since-new (CSN). Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005 to do the inspection.

(2) If any cracks are found, remove the disc from service and replace with a serviceable disc.

Engines With New Production Fan Discs

(i) For engines with new production fan discs P/N BRR20791 installed on or after January 1, 2002, and fan blades P/Ns BRR20677 or BRR23178 installed, do the following:

(1) Visually or ultrasonically inspect fan discs within 150 flight CSN. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005 to do the inspection.

(2) If any cracks are found, remove the disc from service and replace with a serviceable disc.

Repetitive Inspections

Engines With Fan Disc P/N BRR18803 or BRR19248 Installed, and Fan Blades P/N BRR20677 or BRR23178 Installed

(j) For engines with fan disc P/N BRR18803 or BRR19248 installed, and fan blades P/N BRR20677 or BRR23178 installed, do the following:

(1) Perform repetitive visual or ultrasonic inspections within every 75 CSLI. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005 to do the inspection.

(2) Perform a visual and ultrasonic inspection before accumulating 550 flight hours-since-new. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003, or Revision 6, dated February 23, 2005 to do the inspection.

(3) Thereafter, perform a visual and an ultrasonic inspection at every A-Check but not to exceed 550 flight hours-since-the last visual and ultrasonic inspection.

Engines With Fan Disc P/N BRR20791 Installed, and Fan Blades P/N BRR20677 or BRR23178 Installed

(k) For engines with fan disc P/N BRR20791 installed, and fan blades P/N BRR20677 or BRR23178 installed, do the following:

(1) Perform repetitive visual or ultrasonic inspections within every 150 CSLI. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005 to do the inspection.

(2) Perform a visual and ultrasonic inspection before accumulating 550 flight hours-since-new. Use paragraphs A. through F. of the applicable Part 1 or Part 2 of the Accomplishment Instructions of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003, or Revision 6, dated February 23, 2005 to do the inspection.

(3) Thereafter, perform a visual and an ultrasonic inspection at every A-Check but not to exceed 550 flight hours-since-the last visual and ultrasonic inspection.

Engines With Fan Disc P/N BRR20791, BRR24829, or FW33929 Installed, and Fan Blades P/N FW33513, FW33980, FW33925, FW34114, or FW34776 Installed

(l) For engines with fan disc P/N BRR20791, BRR24829, or FW33929 installed, and fan blades P/N FW33513, FW33980, FW33925, FW34114, or FW34776 installed, initial and repetitive inspections are mandated in RRD Time Limits Manual T-710-1BR, Chapter 05-10-01 (BR700-710A1-10), and RRD Time Limits Manual T-710-2BR, Chapter 05-10-01 (BR700-710A2-20).

Optional Terminating Action

(m) Installation of a new fan disc P/N FW33927, new fan blades, P/N FW33513, or P/N FW33980, and N1 Keep Out Zone software with EEC P/Ns 1501KDC02-010, or 1501KDC03-010, or 1501KDC05-010, or 1520KDC05-010, or 1520KDC05R-010, or 1520KDC07-010, or 1520KDC08-010, is optional terminating action to any inspection required by this AD.

Inspection Reporting Requirements

(n) Report defects in accordance with the applicable Part 1 or Part 2 of RRD SB No. SB-BR700-72-900229, Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005. Reporting requirements have been approved by the Office of Management and Budget (OMB) and assigned OMB control number 2120-0056.

Alternative Methods of Compliance

(o) The Manager, Engine Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Related Information

(p) LBA airworthiness directive 2000-348, Revision 6, dated March 31, 2005, also addresses the subject of this AD.

Material Incorporated by Reference

(q) You must use Rolls-Royce Deutschland Ltd & Co KG Service Bulletin No. SB-BR700-72-900229, Revision 5, dated January 8, 2003; or Revision 6, dated February 23, 2005, to perform the actions required by this AD. The Director of the Federal Register approved the incorporation by reference of Revision 6 of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. The Director of the Federal Register approved the incorporation by reference of Revision 5 of this service bulletin as of April 28, 2003 (68 FR 17727, April 11, 2003). Contact Rolls-Royce Deutschland Ltd & Co KG, Eschenweg 11, 15827 Blankenfelde-Mahlow, Germany, telephone: 011 (0) 33-7086-1768, fax: 011 49 (0) 33-7086-3356, for a copy of the service information. You can review copies at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on October 11, 2005.

Ann C. Mollica,

Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.

[FR Doc. 05-20780 Filed 10-20-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-22

**BOEING
AIRWORTHINESS DIRECTIVE
LARGE AIRCRAFT**

2005-21-06 Boeing: Amendment 39-14344. Docket No. FAA-2005-21086; Directorate Identifier 2004-NM-217-AD.

Effective Date

(a) This AD becomes effective November 25, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to all Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes, certificated in any category.

Unsafe Condition

(d) This AD was prompted by reports of fatigue cracks in the aft pressure bulkhead web. We are issuing this AD to detect and correct such fatigue cracks, which could result in rapid decompression of the airplane.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Inspections

(f) At the applicable "Inspection Threshold" in the table in Part 1.E. "Compliance" of Boeing Alert Service Bulletin 737-53A1248, dated September 9, 2004, or within 18 months after the effective date of this AD, whichever occurs later, and thereafter at intervals not to exceed the applicable "Inspection Repeat Interval" in that table: Do the inspections (i.e., detailed inspection and either high- or low-frequency eddy current inspections) of the aft pressure bulkhead web for fatigue cracks, crack indications, discrepant holes, and corrosion, in accordance with the Accomplishment Instructions of the service bulletin.

Corrective Action Difference

(g) If any fatigue crack, crack indication, discrepant hole, or corrosion is found during any inspection required by this AD, before further flight, repair the fatigue crack, crack indication, discrepant hole, and corrosion according to a method approved by the Manager, Seattle Aircraft Certification Office (ACO), FAA; or using a method approved in accordance with the procedures specified in paragraph (i) of this AD.

No Reporting

(h) Although the service bulletin references a reporting requirement in the Accomplishment Instructions, that reporting is not required by this AD.

Alternative Methods of Compliance (AMOCs)

(i)(1) The Manager, Seattle ACO, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) An AMOC that provides an acceptable level of safety may be used for corrective actions, if it is approved by an Authorized Representative for the Boeing Commercial Airplanes Delegation Option Authorization Organization who has been authorized by the Manager, Seattle ACO, to make those findings. For a repair method to be approved, the repair must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

(3) Before using any AMOC approved in accordance with § 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

Material Incorporated by Reference

(j) You must use Boeing Alert Service Bulletin 737-53A1248, dated September 9, 2004, to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of this document in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on October 13, 2005.

Kalene C. Yanamura,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-20966 Filed 10-20-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-22

**ROLLS-ROYCE CORPORATION
AIRWORTHINESS DIRECTIVE
ENGINE
LARGE AIRCRAFT**

2005-22-03 Rolls-Royce Corporation (formerly Allison Engine Company): Amendment 39-14347. Docket No. FAA-2005-20742; Directorate Identifier 2005-NE-03-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective November 29, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Rolls-Royce Corporation (RRC) (formerly Allison Engine Company) 501-D22A, 501-D22C, and 501-D22G turboprop engines with the turbine wheels listed in the following Table 1, installed.

TABLE 1.—AFFECTED TURBINE WHEELS

Turbine wheel part number	Turbine wheel	Serial numbers
6875431	1st Stage	KK50152 through KK50199.
6845592	2nd Stage	KK40998 through KK41057.
6845593	3rd Stage	KK36452 through KK36461, and KK36492 through KK36532.
6870434	4th Stage	KK40320 through KK40393, and KK40485 through KK40535.

These engines are installed on, but not limited to, Commercial Hercules L-382B, L-382E (L-100-20), L-382G (L-100-30), Airbus Super Guppy-201, Super Convair CV-580A, and CV5800 airplanes.

Unsafe Condition

(d) This AD results from a report of a turbine wheel found to be over dimensional limits, caused by improper metal hardness. We are issuing this AD to prevent uncontained turbine wheel failure, leading to damage of the airplane and total loss of engine power.

Compliance

(e) You are responsible for having the actions required by this AD performed at the next shop visit of the engine or turbine module, but not to exceed 7,400 cycles-since-new of any 1st stage, 2nd stage, 3rd stage, or 4th stage turbine wheel, unless the actions have already been done.

Onetime Inspection for Proper Metal Hardness

(f) Perform a onetime inspection for proper metal hardness of 1st stage, 2nd stage, 3rd stage, and 4th stage turbine wheels. Use paragraphs 2.B. and 2.F. of RRC Commercial Engine Bulletins (CEBs) No. CEB-72-1138, No. CEB-72-4051, and No. CEB-72-1584, (combined in one document) dated January 23, 2004.

(g) Remove from service any turbine wheel that does not pass inspection, using paragraph 2.C. of RRC CEBs No. CEB-72-1138, No. CEB-72-4051, and No. CEB-72-1584, (combined in one document) dated January 23, 2004, and install a serviceable turbine wheel.

(h) Mark the letters, HC, after the serial number on any turbine wheel that passes inspection, using the method described in paragraph 2.D. of RRC CEBs No. CEB-72-1138, No. CEB-72-4051, and No. CEB-72-1584, (combined in one document) dated January 23, 2004.

Reporting Requirements

(i) Report findings of inspections within 30 days of inspection using the procedures specified in paragraph 2.E of RRC CEBs No. CEB-72-1138, No. CEB-72-4051, and No. CEB-72-1584, (combined in one document) dated January 23, 2004. The Office of Management and Budget (OMB) has approved the reporting requirements specified in paragraph 2.E. of RRC CEBs No. CEB-72-1138, No. CEB-72-4051, and No. CEB-72-1584, (combined in one document) dated January 23, 2004, and assigned OMB control number 2120-0056.

Definition

(j) For the purpose of this AD, a serviceable turbine wheel is:

- (1) A turbine wheel that has a serial number not listed in this AD; and
- (2) A turbine wheel that has a serial number listed in this AD that passed the inspection specified in paragraph (f) of this AD.

Alternative Methods of Compliance

(k) The Manager, Chicago Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Related Information

(l) None.

Material Incorporated by Reference

(m) You must use Rolls-Royce Corporation Commercial Engine Bulletins No. CEB-72-1138, No. CEB-72-4051, and No. CEB-72-1584, (combined in one document) dated January 23, 2004, to

perform the actions required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Rolls-Royce Corporation, P.O. Box 420, 2001 South Tibbs Avenue, Indianapolis, IN 46206-0420; telephone (317) 230-2000; fax (317) 230-4020 for a copy of this service information. You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the Internet at <http://dms.dot.gov>, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on October 17, 2005.

Francis A. Favara,

Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.

[FR Doc. 05-21173 Filed 10-24-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-22

**AIRBUS
AIRWORTHINESS DIRECTIVE
LARGE AIRCRAFT**

2005-22-05 Airbus: Amendment 39-14349. Docket No. FAA-2005-22170; Directorate Identifier 2005-NM-073-AD.

Effective Date

(a) This AD becomes effective November 30, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Airbus Model A320-111, -211, -212, and -231 airplanes, certificated in any category, that have not received Airbus Modification 21088 or 21999 in production; and airplanes that have received Airbus Modification 21088 in production and have manufacturer's serial numbers 91 to 113 inclusive and 140 to 189 inclusive.

Unsafe Condition

(d) This AD results from fuel systems reviews conducted by the manufacturer. We are issuing this AD to prevent chafing of the fuel pump cables, which could result in electrical arcing and possible ignition of fuel vapors and consequent explosion of the fuel tank.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Inspection and Modification of Fuel Pump Access Holes

(f) Within 58 months after the effective date of this AD, perform the actions required by paragraph (f)(1) or (f)(2) of this AD, as applicable.

(1) For airplanes that have not received Airbus Modification 21088 or 21999 in production: Modify the cables and access holes to the inner tank fuel pumps, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A320-28-1008, Revision 1, dated April 10, 1989.

(2) For airplanes that have received Airbus Modification 21088 in production and have manufacturer's serial numbers 91 to 113 inclusive and 140 to 189 inclusive: Perform a general visual inspection for the correct radius of the fuel pump access holes and modify the access holes, as applicable, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A320-28-1054, dated August 23, 1993. Do any applicable repairs before further flight.

Note 1: For the purposes of this AD, a general visual inspection is: "A visual examination of an interior or exterior area, installation, or assembly to detect obvious damage, failure, or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to ensure visual access to all surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight, or droplight and may require removal or opening of access panels or doors. Stands, ladders, or platforms may be required to gain proximity to the area being checked."

No Reporting Requirement

(g) Although Airbus Service Bulletin A320-28-1054, dated August 23, 1993, describes procedures for reporting inspection findings to Airbus, this AD does not require that report.

Alternative Methods of Compliance (AMOCs)

(h)(1) The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) Before using any AMOC approved in accordance with § 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

Related Information

(i) French airworthiness directive F-2005-031, dated February 16, 2005, also addresses the subject of this AD.

Material Incorporated by Reference

(j) You must use the service information identified in Table 1 of this AD to perform the actions that are required by this AD, unless the AD specifies otherwise. Airbus Service Bulletin A320-28-1008, Revision 1, dated April 10, 1989, contains the following effective pages:

Page No.	Revision level shown on page	Date shown on page
1, 2, 7-9	1	April 10, 1989.
3-6	Original	February 9, 1989.

The Director of the Federal Register approved the incorporation by reference of these documents in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Airbus, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the

National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Airbus service bulletin	Revision level	Date
A320-28-1008.	1	April 10, 1989.
A320-28-1054.	Original	August 23, 1993.

Issued in Renton, Washington, on October 18, 2005.

Kevin M. Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-21312 Filed 10-25-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-22

**BOEING
AIRWORTHINESS DIRECTIVE
LARGE AIRCRAFT**

2005-22-06 Boeing: Amendment 39-14350. Docket No. FAA-2005-20692; Directorate Identifier 2004-NM-229-AD.

Effective Date

(a) This AD becomes effective November 30, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Boeing Model 747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747SR, and 747SP series airplanes, certificated in any category; as identified in Boeing Alert Service Bulletin 747-53A2508, dated August 19, 2004.

Unsafe Condition

(d) This AD was prompted by reports of cracking at the upper aft corner of the cutout for main entry door number 1 in the station 488 frame web. We are issuing this AD to detect and correct cracks in the frame web. These cracks could cause the frame to break and lead to rapid decompression of the airplane.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Initial Inspections

(f) Before the accumulation of 16,000 total flight cycles, or within 1,000 flight cycles after the effective date of this AD, whichever occurs later, do a high frequency eddy current (HFEC) inspection and a detailed inspection of the station 488 frame web, by doing all of the actions specified in the Accomplishment Instructions of Boeing Alert Service Bulletin (ASB) 747-53A2508, dated August 19, 2004; except as provided by paragraph (h) or (j) of this AD.

Repetitive Inspections

(g) If no crack is found during the inspections required by paragraph (f) of this AD, do the applicable actions specified in paragraph (g)(1) or (g)(2) of this AD.

(1) For airplanes identified in the service bulletin as Groups 1 and 2: Repeat the detailed inspection required by paragraph (f) of this AD at intervals not to exceed 3,000 flight cycles.

(2) For airplanes identified in the service bulletin as Group 3, do the actions specified in either paragraph (g)(2)(i) or (g)(2)(ii) of this AD.

(i) Repeat the detailed inspection required by paragraph (f) of this AD thereafter at intervals not to exceed 1,500 flight cycles.

(ii) Within 1,500 flight cycles after the inspections required by paragraph (f) of this AD, perform a HFEC inspection for cracks of the frame web between the upper door sill and door stop number 8 in accordance with the method referenced in Figure 3 or Figure 4 of the Accomplishment Instructions of the service bulletin. Repeat the HFEC inspection thereafter at intervals not to exceed 3,000 flight cycles.

Repairs

(h) If any crack in the main entry door frame web is found during any inspection required by this AD: Before further flight, perform repairs—including an open-hole HFEC inspection of the frame inner chord—in accordance with the Accomplishment Instructions of Boeing ASB 747-53A2508, dated August 19, 2004. Where the service bulletin specifies to contact Boeing for appropriate action: Before further flight, repair the door frame web and any frame chord damage using a method approved in accordance with paragraph (k) of this AD.

Note 1: Boeing ASB 747-53A2508, dated August 19, 2004, references the Boeing Structural Repair Manual as an additional source of service information to comply with the intent of paragraph (h) this AD.

Termination of Repeat Inspections

(i) For the repaired frame web only, accomplishing the door frame web repair required by paragraph (h) of this AD ends the repetitive inspections required by paragraph (g) of this AD.

Credit for Actions Accomplished Using Alternative ADs

(j)(1) If the frame inner chord replacement required by AD 90-06-06, amendment 39-6490, (which identifies Boeing Service Bulletin 747-53-2272, as listed in Boeing Document No. D6-35999, dated March 31, 1989, as a source of service information) is accomplished concurrently with the repair of the station 488 door frame web specified by paragraph (h) of this AD, the open-hole HFEC inspection required by paragraph (h) of this AD is not required for the new frame inner chord.

(2) Accomplishing the repetitive detailed inspections of the station 488 frame required by paragraph (f) of AD 2005-20-30, amendment 39-14327, or paragraph (f) of AD 2005-08-01, amendment 39-14053, satisfies the requirements for the corresponding repetitive detailed inspections described by paragraphs (g)(1) and (g)(2)(i) of this AD, provided those inspections are performed at intervals corresponding with the applicable intervals required by this AD.

Alternative Methods of Compliance (AMOCs)

(k)(1) The Manager, Seattle ACO, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) An AMOC that provides an acceptable level of safety may be used for any repair required by this AD, if it is approved by an Authorized Representative for the Boeing Commercial Airplanes DOA Organization who has been authorized by the Manager, Seattle ACO, to make those findings. For a repair method to be approved, the repair must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

(3) Before using any AMOC approved in accordance with 14 CFR 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

Material Incorporated by Reference

(1) You must use Boeing Alert Service Bulletin 747-53A2508, dated August 19, 2004, to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approves the incorporation by reference of this document in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get copies of the service information, contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207. To view the AD docket, go to the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC. To review copies of the service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on October 18, 2005.

Kevin M. Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

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BW 2005-22

**BOEING
AIRWORTHINESS DIRECTIVE
LARGE AIRCRAFT**

2005-22-07 Boeing: Amendment 39-14351. Docket No. FAA-2005-20473; Directorate Identifier 2004-NM-156-AD.

Effective Date

(a) This AD becomes effective November 30, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Boeing Model 757-200, -200PF, and -300 series airplanes, certificated in any category; as identified in Boeing Alert Service Bulletin 757-24A0099 and Boeing Alert Service Bulletin 757-24A0100, both dated March 25, 2004.

Unsafe Condition

(d) This AD was prompted by reports indicating that during inspections on two airplanes, the ground brackets for the auxiliary power unit (APU) battery were found damaged. We are issuing this AD to detect and correct a damaged electrical bonding surface of the APU battery and APU start transformer rectifier unit (TRU) ground connections, which could cause overheating of the ground connections and lead to possible consequent ignition of the adjacent insulating blankets.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Inspection of Ground Connections

(f) Within 18 months after the effective date of this AD, perform a general visual inspection for damage of the ground brackets, ground wires, and terminal lugs of the APU battery and APU start TRU, and do any corrective and related investigative actions; by doing all the actions specified in the Accomplishment Instructions of Boeing Alert Service Bulletin 757-24A0099 (for Model 757-200 and -200PF series airplanes) or Boeing Alert Service Bulletin 757-24A0100 (for Model 757-300 series airplanes), both dated March 25, 2004, as applicable.

Note 1: For the purposes of this AD, a general visual inspection is "A visual examination of an interior or exterior area, installation or assembly to detect obvious damage, failure or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to ensure visual access to all surfaces in the inspection area. This level of inspection is made under normal available lighting conditions such as daylight, hangar lighting, flashlight or drop-light and may require removal or opening of access panels or doors. Stands, ladders or platforms may be required to gain proximity to the area being checked."

Alternative Methods of Compliance (AMOCs)

(g)(1) The Manager, Seattle Aircraft Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) Before using any AMOC approved in accordance with 14 CFR 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

Material Incorporated by Reference

(h) You must use Boeing Alert Service Bulletin 757-24A0099, dated March 25, 2004; or Boeing Alert Service Bulletin 757-24A0100, dated March 25, 2004; as applicable; to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of these documents in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on October 18, 2005.

Kevin M. Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-21311 Filed 10-25-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-22

**EMPRESA BRASILEIRA DE AERONAUTICA S.A.
AIRWORTHINESS DIRECTIVE
LARGE AIRCRAFT**

2005-22-08 Empresa Brasileira de Aeronautica S.A. (EMBRAER): Amendment 39-14352.
Docket No. FAA-2004-18564; Directorate Identifier 2004-NM-16-AD.

Effective Date

(a) This AD becomes effective November 30, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to EMBRAER Model EMB-135BJ, -135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP airplanes; as identified in EMBRAER Service Bulletin 145-30-0028, Revision 10, dated March 22, 2005; certificated in any category.

Unsafe Condition

(d) This AD was prompted by a report indicating that the fully automated digital electronic control (FADEC) unit failed to compensate for ice accretion on the engine fan blades due to a false temperature signal from the total air temperature (TAT) sensor to the FADEC. We are issuing this AD to prevent failure of the TAT sensor, which could result in insufficient thrust to take off or (if coupled with the loss of an engine during takeoff) to abort the takeoff in a safe manner, and consequent reduced controllability of the airplane.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Modification

(f) Within 180 days after the effective date of this AD: Modify the TAT sensor heating system in accordance with the Accomplishment Instructions of EMBRAER Service Bulletin 145-30-0028, Revision 10, dated March 22, 2005.

Modifications Done According to Previous Revisions of the Service Bulletin

(g) Actions done before the effective date of this AD are acceptable for compliance with the corresponding requirements of this AD as specified in paragraphs (g)(1) and (g)(2) of this AD.

(1) Modifications in accordance with EMBRAER Service Bulletin 145-30-0028, Revision 09, dated March 1, 2004, are acceptable for compliance with paragraph (f) of this AD.

(2) Modifications in accordance with the revisions of the service bulletin in Table 1 of this AD are acceptable for compliance with the corresponding action in this AD, provided that the additional actions specified in PART III of the Accomplishment Instructions of EMBRAER Service Bulletin 145-30-0028, Revision 09, dated March 1, 2004, or Revision 10, dated March 22, 2005, are accomplished within the compliance time required by paragraph (f) of this AD.

TABLE 1.—PREVIOUS REVISIONS OF THE SERVICE BULLETIN

EMBRAER Service Bulletin	Revision	Date
145-30-0028	04	March 13, 2001.
145-30-0028	05	May 24, 2001.
145-30-0028	06	September 26, 2001.
145-30-0028	07	April 10, 2003.
145-30-0028	08	August 20, 2003.

Credit for Replacement of FADEC Assemblies

(h) Replacing the existing FADEC assemblies with new or modified FADEC assemblies that include software version 7.6 or 8.0, in accordance with the Accomplishment Instructions of the applicable service bulletin listed in Table 2 of this AD, is acceptable for compliance with paragraph (f) of this AD. If the FADEC assemblies are replaced with new or modified assemblies as specified in this paragraph, all applicable engine indication and crew alerting system (EICAS), central maintenance computer (CMC), and IC-600 upgrades; as well as any other applicable actions associated with upgrading the EICAS, CMC, or IC-600; must also be done, as specified in the section of the service bulletin identified in the "Paragraph Where Upgrades are Identified" column of Table 2 of this AD.

TABLE 2.—SERVICE BULLETINS FOR UPGRADING FADEC ASSEMBLIES

For EMBRAER Model—	EMBRAER Service Bulletin	Revision	Date	Paragraph where upgrades are identified
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0021	Original	July 23, 2004	1.C., "Description—Time for Accomplishment".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0022	01	July 15, 2004	1.C., "Description—Time for Accomplishment".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0023	Original	June 28, 2004	1.C., "Description—Time for Accomplishment".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0024	01	July 15, 2004	1.C., Description—Time for Accomplishment".

For EMBRAER Model—	EMBRAER Service Bulletin	Revision	Date	Paragraph where upgrades are identified
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0025	Original	July 23, 2004	1.C., "Description—Time for Accomplishment".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0027	Original	March 15, 2005	1.B., "Concurrent Requirements".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0028	Original	March 15, 2005	1.B., "Concurrent Requirements".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0029	Original	May 4, 2005	1.B., "Concurrent Requirements".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0029	01	June 27, 2005	1.B., "Concurrent Requirements".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0030	Original	May 5, 2005	1.B., "Concurrent Requirements".
EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, -145EP.	145-73-0031	Original	May 5, 2005	1.B., "Concurrent Requirements".
EMB-135BJ	145LEG-73-0003	01	July 15, 2004	1.C., "Description—Time for Accomplishment".
EMB-135BJ	145LEG-73-0004	02	October 6, 2004	1.C., "Description—Time for Accomplishment".
EMB-135BJ	145LEG-73-0005	Original	June 7, 2005	1.D., "Description".
EMB-135BJ	145LEG-73-0006	Original	March 8, 2005	1.B., "Concurrent Requirements".
EMB-145XR	145-73-0026	Original	June 28, 2004	1.C., "Description—Time for Accomplishment".

Alternative Methods of Compliance (AMOCs)

(i)(1) The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) Before using any AMOC approved in accordance with 14 CFR 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

Related Information

(j) Brazilian airworthiness directive 2004-01-02R2, dated November 29, 2004, also addresses the subject of this AD.

Material Incorporated by Reference

(k) You must use EMBRAER Service Bulletin 145-30-0028, Revision 10, dated March 22, 2005, to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of this document in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Empresa Brasileira de Aeronautica S.A. (EMBRAER), P.O. Box 343–CEP 12.225, Sao Jose dos Campos–SP, Brazil, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on October 18, 2005.

Kevin M. Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-21310 Filed 10-25-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-22

**AEROSPATIALE
AIRWORTHINESS DIRECTIVE
LARGE AIRCRAFT**

2005-22-09 Aerospatale: Amendment 39-14353. Docket No. FAA-2005-22795; Directorate Identifier 2005-NM-193-AD.

Effective Date

(a) This AD becomes effective November 14, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to all Aerospatale Model ATR42-200, -300, -320, and -500 airplanes, and Model ATR72-101, -201, -102, -202, -211, -212, and -212A airplanes, certificated in any category.

Unsafe Condition

(d) This AD results from a report that a fuel quality indicator (FQI) having an incorrect part number was installed on a Model ATR72 airplane. We are issuing this AD to ensure that a correct FQI is installed. An incorrect FQI could result in fuel starvation to the engine and consequent engine shutdown during flight.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Inspection and Corrective Action

(f) Within 7 days after the effective date of this AD, do the inspection specified in paragraph (f)(1) or (f)(2) of this AD.

(1) Perform an inspection to determine the part number (P/N) of the fuel quantity indicator (FQI) 3QT, in accordance with ATR All Operators Message (AOM) 42-72/2005/08, issue 5, dated September 7, 2005. Instead of the inspection, a review of the airplane maintenance records is acceptable if the P/N of the FQI can be positively determined from that review.

(2) Inspect the faceplate of the FQI to verify that it has the correct markings as specified in paragraphs (f)(2)(i) and (f)(2)(ii), as applicable.

(i) For Model ATR42-200, -300, -320, and -500 airplanes: The FQI has the marking of 4960 lbs on the faceplate as illustrated in ATR AOM 42-72/2005/08, issue 5, dated September 7, 2005.

(ii) For Model ATR72-101, -201, -102, -202, -211, -212, and -212A airplanes: The FQI has the marking of 5500 lbs on the faceplate as illustrated in the AOM 42-72/2005/08, issue 5, dated September 7, 2005.

(g) If it can be positively determined, during the inspection required by paragraph (f) of this AD, that the FQI has the correct part number or marking, no further action is required by this AD.

(h) If it is determined, during the inspection required by paragraph (f) of this AD, that the FQI does not have the correct part number or marking, before further flight, install the FQI having the correct part number as specified in ATR AOM 42-72/2005/08, issue 5, dated September 7, 2005.

Alternative Methods of Compliance (AMOCs)

(i)(1) The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) Before using any AMOC approved in accordance with § 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

Related Information

(j) French emergency airworthiness directive UF-2005-160, dated September 8, 2005, also addresses the subject of this AD.

Material Incorporated by Reference

(k) You must use ATR All Operators Message (AOM) 42-72/2005/08, issue 5, dated September 7, 2005, to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of this document in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Aerospatiale, 316 Route de Bayonne, 31060 Toulouse, Cedex 03, France, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on October 18, 2005.

Kalene C. Yanamura,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

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