

FEDERAL AVIATION ADMINISTRATION AIRWORTHINESS DIRECTIVES

LARGE AIRCRAFT BIWEEKLY 2017-22

10/16/2017 - 10/29/2017



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
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LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
Biweekly 2017-01			
2016-25-01		The Boeing Company	747-400, 747-400D, and 747-400F series; 757-200, -200PF, -200CB, and -300 series; 767-200, -300, -300F, and -400ER series; 767-300 and -300F series; and 767-300 and -300F series
2016-25-07	R 2012-11-15	The Boeing Company	767-200 and -300 series
2016-25-25		BAE (Operations) Limited	4101
2016-25-26		The Boeing Company	MD-90-30
2016-25-27		Airbus	A300 B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, and C4-605R variant F
2016-25-29		The Boeing Company	767-200 and -300 series
2016-25-30		Airbus	A330-223F and -243F; A330-201, -202, -203, -223, and -243; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, and -213; A340-311, -312, and -313; A340-541; A340-642
2016-25-31		Airbus	A330-201, -202, -203, -223, -223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, -213, -311, -312, and -313; A340-541; and A340-642
2016-26-02		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702); CL-600-2D15 (Regional Jet Series 705); and CL-600-2D24 (Regional Jet Series 900); CL-600-2E25 (Regional Jet Series 1000)
2016-26-03	R 2013-23-02	Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, CN-235-300, and C-295
2016-26-05	R 2014-26-08	Airbus	A330-201, -202, -203, -223, -223F -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343
2017-01-07		Dassault Aviation	FAN JET FALCON; FAN JET FALCON SERIES C, D, E, F, and G; MYSTERE-FALCON 200; MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5; MYSTERE-FALCON 50
2017-01-08		Airbus	A330-201, -202, -203, -223, -223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342 and -343 airplanes; and Model A340-211, -212, -213, -311, -312, -313, -541, and -642
2016-25-02		The Boeing Company	787-8 series
Biweekly 2017-02			
2016-26-06		The Boeing Company	787-8 airplanes
2016-26-07		The Boeing Company	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 airplanes
2017-01-01	R 2014-05-25	Rolls-Royce plc	RB211-Trent 970-84, RB211-Trent 970B-84, RB211-Trent 972-84, RB211-Trent 972B-84, RB211-Trent 977-84, RB211-Trent 977B-84, and RB211-Trent 980-84 turbofan engines
2017-01-02		The Boeing Company	787-8 and 787-9 airplanes
2017-01-04		Fokker Services B.V.	F28 Mark 0100 airplanes
2017-01-05		Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, and CN-235-300 airplanes
2017-01-06		Airbus	A319-115, A319-132, A320-214, A320-232, A321-211, A321-213, and A321-231 airplanes
2017-01-09		The Boeing Company	767-300 and 767-300F series airplanes
2017-01-10		Airbus Defense and Space S.A.	C-212-CB, C-212-CC, C-212-CD, C-212-CE, C-212-CF, C-212-DF, and C-212-DE airplanes
2017-01-11		Airbus	A318, A319, A320, A321 airplanes
Biweekly 2017-03			
No ADs			
Biweekly 2017-04			
2017-01-03	R 2007-11-13	The Boeing Company	717-200 airplanes
2017-01-09	COR	The Boeing Company	767-300 and 767-300F series airplanes
2017-01-11		Airbus	A318, A319, A320, A321 airplanes
2017-02-02	2005-13-30	The Boeing Company	737-100, -200, and -200C series airplanes
2017-02-03		The Boeing Company	767-200, -300, and -400ER series airplanes

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2017-02-04		The Boeing Company	747-200B, 747-300, 747-400, 747-400D, and 747-400F series airplanes
2017-02-05		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
2017-02-08		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes; A300 B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, and C4-605R Variant F airplanes
2017-02-09		The Boeing Company	747-400, -400D, and -400F series airplanes
2017-02-10	R 2013-19-04	The Boeing Company	737-600, -700, -700C, -800, and -900 series airplanes
2017-03-02	S 2014-16-10	Rolls-Royce plc	RB211 Trent 768-60, 772-60, and 772B-60 turbofan engines
Biweekly 2017-05			
2017-02-01		Rolls-Royce plc	Trent 1000-A, Trent 1000-C, Trent 1000-D, Trent 1000-E, Trent 1000-G, and Trent 1000-H turbofan engines
2017-02-12		The Boeing Company	737-300, -400, and -500 series airplanes
2017-03-03	S 2013-05-18	Rolls-Royce plc	RB211 Trent 553-61, RB211 Trent 553A2-61, RB211 Trent 556-61, RB211 Trent 556A2-61, RB211 Trent 556B-61, RB211 Trent 556B2-61, RB211 Trent 560-61, and RB211 Trent 560A2-61 turbofan engines
2017-03-04	R 2012-16-07	The Boeing Company	737-500 series airplanes
2017-04-01		Gulfstream Aerospace Corporation	GVI airplanes
2017-04-02	R 2014-23-06	Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440) airplanes
2017-04-04	R 2012-16-08	BAE Systems (Operations) Limited	BAe 146-100A, -200A, and -300A; Avro 146-RJ70A, 146-RJ85A, and 146-RJ100A airplanes
2017-04-05	R 2011-10-17	Airbus	A300 B2-1A, B2-1C, B4-2C, B2K-3C, B4-103, B2-203, and B4-203 airplanes
2017-04-06		United Instruments, Inc.	5934 series altimeters
2017-04-07		The Boeing Company	757-200, -200PF, -200CB, and -300 series airplanes
2017-04-08	R 2008-13-12 R1	The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
2017-04-09	R 2012-22-12	Airbus	A330-243, -243F, -341, -342, and -343 airplanes
2017-04-10		Airbus	A318, A319, A320, A321 airplanes
2017-04-11		The Boeing Company	737-600, -700, -700C, -800, and -900 series airplanes
2017-04-12		Embraer	EMB-135, EMB-145 airplanes
2017-04-13		The Boeing Company	747-8 and 747-8F series airplanes
2017-04-15		Learjet Inc.	36A airplanes
2017-05-01		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes
2017-05-02		Airbus	A318, A319, A320, A321 airplanes
2017-05-06		The Boeing Company	767-200 and -300 series airplanes
2017-05-07		The Boeing Company	777-200 and -300 series airplanes
Biweekly 2017-06			
2017-05-09		CFM International S.A.	CFM56-5B, CFM56-5B/P, CFM56-5B/3, CFM56-5B/2P, CFM56-5B/P1, CFM56-5B/2P1, and CFM56-5B/3B1 engines
2017-05-11	R 2012-08-11	Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes
2017-05-10	R 2015-16-02	Airbus	A330-201, A330-202, A330-203, A330-223, A330-243, A330-223F, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342, and A330-343 airplanes
2017-05-05		Pratt & Whitney Division	PW4074, PW4074D, PW4077, PW4077D, PW4084D, PW4090, and PW4090-3 turbofan engines
2017-05-12		Airbus	A318-112; A319-111, -112, -115, -132, and -133; A320-214, -232, and -233; A321-211, -212, -213, -231, and -232 airplanes
Biweekly 2017-07			
2017-06-05		The Boeing Company	DC-6, DC-6A, DC-6B, C-118A, R6D-1, and R6D-1Z airplanes
2017-07-03		Airbus	A330-243, -243F, -341, -342, and -343 airplanes
2017-06-04		Airbus	A300 B4-603, B4-620, and B4-622; A300 B4-605R and A300 B4-622R; and A300 C4-605R Variant F airplanes
2017-06-02		Fokker Services B.V.	F28 Mark 0100 airplanes

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2017-06-10		Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes
2017-06-09		The Boeing Company	787-8 airplanes
2017-06-01	R 2017-03-04	The Boeing Company	737-500 series airplanes
2017-06-14		The Boeing Company	737-300, -400, and -500 series airplanes
2017-06-13		Textron Aviation Inc.	680 airplanes
2016-25-25	COR	BAE Systems (Operations) Limited	4101 airplanes
2017-06-12		Airbus	A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233 airplanes
Biweekly 2017-08			
2017-08-04	R 2015-03-01	Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440) airplanes
2017-07-06		Gulfstream Aerospace Corporation	G-1159B airplanes
2017-08-05	R 2016-13-05	General Electric Company	GE90-76B, GE90-77B, GE90-85B, GE90-90B, and GE90-94B turbofan engines
2017-06-07		Airbus	A330-223F and -243F; A330-201, -202, -203, -223, and -243; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, and -213; A340-311, -312, and -313; A340-541; and A340-642 airplanes
2017-07-03	COR	Airbus	A330-243, -243F, -341, -342, and -343 airplanes
2017-08-01	R 2013-22-19	Gulfstream Aerospace Corporation	GV and GV-SP airplanes
2017-06-08	R 2006-06-09 R 2012-05-08 R 2012-07-08	Embraer S.A.	ERJ 170-100 LR, -100 STD, -100 SE, and -100 SU; ERJ 170-200 LR, -200 SU, and -200 STD airplanes
2017-07-04	R 2013-24-17	General Electric Company	GE90-110B1 and GE90-115B engines
2017-08-02		Bombardier, Inc.	DHC-8-102, -103, and -106; DHC-8-201 and -202; DHC-8-301, -311, and -315 airplanes
2017-07-05		Airbus	A300 airplanes
Biweekly 2017-09			
2017-07-07		Airbus	A330-201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, -213, -311, -312, and -313
2017-08-03		Airbus	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2017-08-06		General Electric Company	GE90-76B, GE90-85B, GE90-90B, GE90-94B, GE90-110B1, and GE90-115B
2017-08-07		Learjet, Inc.	60
2017-08-08		CFE Company	CFE738-1-1B
2017-08-10	R 2017-01-01	Rolls-Royce plc	RB211-Trent 970-84, RB211-Trent 970B-84, RB211-Trent 972-84, RB211-Trent 972B-84, RB211-Trent 977-84, RB211-Trent 977B-84, and RB211-Trent 980-84
2017-08-11	R 2012-04-01	Rolls-Royce plc	RB211-Trent 875-17, 877-17, 884-17, 884B-17, 892-17, 892B-17, and 895-17
2017-08-13		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203; A300 B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, and F4-622R, and A300 C4-605R Variant F; and A310-203, -204, -221, -222, -304, -322, -324, and -325; A300 F4-605R and F4-622R
2017-09-01		Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000)
2016-05-02	R 2011-13-11 R 2011-13-11	Airbus	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
Biweekly 2017-10			
2017-09-03	R 2013-03-12	Dassault Aviation	MYSTERE-FALCON 50 airplanes
2017-09-04		The Boeing Company	707-100 Long Body, -200, -100B Long Body, and -100B Short Body series; 707-300, -300B, -300C, and -400 series; 720 and 720B series airplanes

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2017-09-06 2017-10-01	R 2015-15-03	General Electric Company Dassault Aviation	GENx-1B and GENx-2B turbofan engines FAN JET FALCON and FAN JET FALCON SERIES C, D, E, F, and G; MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes
Biweekly 2017-11			
2017-09-08		The Boeing Company	787-8 airplanes
2017-09-09		Zodiac Seats California LLC	4157, 4170, and 4184 seating systems
2017-09-10		The Boeing Company	747-400, 747-400D, and 747-400F airplanes
2017-09-11		Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes
2017-09-12		ATR-GIE Avions de Transport Régional	ATR42-500; ATR72-102, -202, -212, and -212A airplanes
2017-10-04		Embraer S.A.	EMB-120, EMB-120ER, EMB-120FC, EMB-120QC, and EMB-120RT airplanes
2017-10-05		Airbus	A300 airlines
2017-10-06		Rolls-Royce plc	RB211 Trent 768-60, RB211 Trent 772-60, and RB211 Trent 772B-60 turbofan engines
2017-10-07		The Boeing Company	737-400 series airplanes
2017-10-08	R 2009-21-01	The Boeing Company	737-300 series airplanes
2017-10-14	S 2014-07-07	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 airplanes
2017-10-15		Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, CN-235-300, and C-295 airplanes
2017-10-16		The Boeing Company	787-8 and 787-9 airplanes
2017-10-17	R 2014-16-19	Airbus	A330 airplanes
2017-10-18		Airbus	A330-223F, -223, -321, -322, and -323 airplanes
2017-10-21		The Boeing Company	737-300, -400, and -500 series airplanes
2017-10-22		The Boeing Company	737-600, -700, -700C, -800, and -900 series airplanes
2017-10-23		Airbus	A321-111, -112, -131, -211, -212, -213, -231, and -232 airplanes
2017-10-24	R 2011-17-09 R 2012-25-12	Airbus	A330 airplanes
2017-10-25		Rolls-Royce Deutschland Ltd & Co KG	Spey 506-14A, Spey 555-15, Spey 555-15H, Spey 555-15N, and Spey 555-15P turbofan engines
2017-11-01		The Boeing Company	737-100, -200, and -200C series airplanes
2017-11-02		The Boeing Company	MD-90-30 airplanes
2017-11-09	R 2017-08-07	Learjet, Inc.	Model 60 airplanes
Biweekly 2017-12			
2017-10-07		The Boeing Company	737-400 series airplanes
2017-10-08	R 2009-21-01	The Boeing Company	737-300 series airplanes
2017-10-13	S 2015-17-19	Rolls-Royce plc	RB211 Trent 768-60, 772-60, and 772B-60 turbofan engines
2017-10-14	S 2014-07-07	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 airplanes
2017-11-04		The Boeing Company	767-200, -300, and -400ER series airplanes
2017-11-07		Airbus	A318, A319, A320, A321 airplanes
2017-11-09	R 2017-08-07	Learjet, Inc.	60 airplanes
2017-11-11		NavWorx, Inc.	ADS600-B and ADS600-EXP ADS-B Universal Access Transceiver units
2017-11-12		Bombardier, Inc.	BD-100-1A10 airplanes
2017-11-13	R 98-13-14	Airbus	A320-211, -212, and -231 airplanes
2017-11-14	R 2011-26-03	The Boeing Company	777-200, -200LR, -300, -300ER, and 777F airplanes
2017-11-15		General Electric Company	CF6-80C2L1F turbofan engines
2017-12-01		The Boeing Company	767-200 series airplanes
2017-12-02		General Electric Company	GENx-1B64, -1B64/P1, -1B64/P2, -1B67, -1B67/P1, -1B67/P2, -1B70, 1B70/P1, -1B70/P2, -1B70/75/P1, -1B70/75/P2, -1B70C/P1, -1B70C/P2, -1B74/75/P1, -1B74/75/P2, -1B76A/P2 engines
Biweekly 2017-13			
2017-11-05		Roll-Royce Corporation	AE 3007C and 3007C1 turbofan engines
2017-11-06	R 2014-05-32	Pratt & Whitney	PW2037, PW2037D, PW2037M, PW2040, PW2040D, PW2043, PW2143, PW2643, and F117-PW-100 turbofan engines

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2017-12-03		Pratt & Whitney Division	PW2037, PW2037M, and PW2040 turbofan engines
2017-12-05	R 2007-26-04	The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
2017-12-06		Airbus	A300, A310 airplanes
2017-12-07		The Boeing Company	737-800, -900, and -900ER series airplanes
2017-12-08	R 2011-24-06	BAE Systems (Operations) Limited	BAe 146-100A, -200A, and -300A; and Avro 146-RJ70A, 146-RJ85A, and 146-RJ100A airplanes
2017-12-09		Embraer	EMB-135ER, -135BJ, -135KE, -135KL, and -135LR; and EMB-145, -145ER, -145MR, -145LR, -145MP, -145EP, and -145XR airplanes
2017-12-10		Airbus	A321-111, -112, -131, -211, -212, -213, -231, and -232 airplanes
2017-12-11		Bombardier, Inc.	BD-100-1A10 airplanes
2017-12-12		The Boeing Company	757-200, -200PF, and -200CB series airplanes
2017-12-13		Airbus	A320-212, A320-214, A320-232 airplanes
2017-12-14		The Boeing Company	757-200 and -200PF series airplanes
2017-12-15		Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000) airplanes
2017-13-01		The Boeing Company	737-300, -400, and -500 series airplanes
2017-13-02		Dassault Aviation	FALCON 7X airplanes
Biweekly 2017-14			
2017-10-19		Rolls-Royce plc	Trent 1000-A2, Trent 1000-C2, Trent 1000-D2, Trent 1000-E2, Trent 1000-G2, Trent 1000-H2, Trent 1000-J2, Trent 1000-K2, and Trent 1000-L2
2017-13-07		Airbus	A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2017-13-08	R 2015-23-13	Airbus	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2017-13-09	R 2014-16-02	Bombardier, Inc.	CL-600-1A11 (CL-600)
2017-13-10	R 2003-18-06	Airbus	A319-131 and -132; A320-231, -232, and -233; A321-131 and -231
2017-13-11		Gulfstream Aerospace Corporation	G-IV
2017-13-12		Airbus	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2017-13-13		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series
2017-13-14		The Boeing Company	777-300ER series
2017-14-01	R 2013-10-03	Airbus	A330-201, -202, -203, -223, -223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, -213, -311, -312, and -313
2017-14-02		Bombardier, Inc.	DHC-8-401 and DHC-8-402
Biweekly 2017-15			
2017-14-07		International Aero Engines AG	V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5, V2525-D5, V2528-D5, and V2531-E5 turbofan engines
2017-14-08		CFM International S.A.	CFM56-3, -3B, and -3C turbofan engines
2017-14-09		Fokker Services B.V.	F28 Mark 0100 airplanes
2017-14-10		The Boeing Company	MD-11 and MD-11F airplanes
2017-14-11	R 2007-13-08	Airbus	A318, A319, A320, A321 airplanes
2017-14-13		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series airplanes
2017-14-14		Airbus	A321-111, -112, -131, -211, -212, -213, -231, and -232 airplanes
2017-14-16		Bombardier, Inc.	BD-100-1A10 airplanes
2017-15-01		The Boeing Company	777-200, -200LR, -300, -300ER, and 777F series airplanes
2017-15-03	R 2014-08-02	Airbus	A300-B4-601, B4-603, B4-620, and B4-622 airplanes, and A300-B4-605R and B4-622R airplanes
2017-15-04		The Boeing Company	787-8 and 787-9 airplanes

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Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
Biweekly 2017-16			
2017-13-05	R 2013-13-16	Airbus	A330-201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, -213, -311, -312, -313, -541, and -642 airplanes
2017-14-15		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11 airplanes
2017-15-06	R 97-10-05	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200 and 3101, and Jetstream Model 3201 airplanes
2017-15-10		The Boeing Company	787-9 airplanes
2017-15-11		Bombardier, Inc.	DHC-8-102, -103, -106, -201, -202, -301, -311, and -315 airplanes
2017-15-12		The Boeing Company	737-300, -400, and -500 series airplanes
2017-15-14		Bombardier, Inc.	CL-215-6B11 (CL-415 Variant) airplanes
2017-15-16		Embraer	EMB-135ER, -135KE, -135KL, -135LR, -145, -145ER, -145MR, -145LR, -145XR, -145MP, and -145EP airplanes
2017-15-17		Airbus	A300 B4-605R and B4-622R; A300 C4-605R Variant F; A300 F4-605R and F4-622R airplanes
Biweekly 2017-17			
2017-14-12	R 2015-22-06	Airbus	318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2017-15-08		Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000)
2017-16-05		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series
2017-16-06		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, 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, -222, -304, -322, -324, and -325
Biweekly 2017-18			
2017-16-09		Dassault Aviation	MYSTERE-FALCON 50 and FALCON 2000
2017-16-10		The Boeing Company	777-200, -200LR, -300, -300ER, and 777F series
2017-16-12	R 2013-19-09 R 2014-25-51	Airbus	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2017-16-13		Bombardier, Inc.	CL-600-2B16 (CL-601-3A, CL-601-3R, and CL-604 Variants)
2017-17-02	R 2014-20-09	Bombardier, Inc.	DHC-8-400, -401, and -402
2017-17-04		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series
2017-17-05		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, 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
2017-17-06		The Boeing Company	737-300, -400, and -500 series
2017-17-07		Rolls-Royce plc	Trent XWB-75, Trent XWB-79, Trent XWB-79B, and Trent XWB-84 turbofan engines
2017-17-08		Airbus	A330-201, -202, -203, -223, -223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-541 and -642
2017-17-09		The Boeing Company	737-300, -400, and -500 series
2017-17-10	R 2015-23-12	ATR-GIE Avions de Transport Régional	ATR42-200, -300, -320, and -500; and ATR72-101, -201, -102, -202, -211, -212, and -212A
2017-17-11		Dassault Aviation	FALCON 7X
2017-17-12		Airbus	A310-203, -221, -222, -304, -322, -324, and -325
2017-17-13		Bombardier, Inc.	BD-100-1A10
2017-17-14		Saab AB, Saab Aeronautics	340A (SAAB/SF340A)
2017-17-15		Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000)
2017-17-16		The Boeing Company	767-200, -300, -300F, and -400ER series
2017-17-18		General Electric Company	CF34-8C1, CF34-8C5, CF34-8C5A1, CF34-8C5B1, CF34-8C5A2, CF34-8C5A3, CF34-8E2, CF34-8E2A1, CF34-8E5, CF34-8E5A1, CF34-8E5A2, CF34-8E6 and CF34-8E6A1; CF34-8C5B1/B, CF34-8C5/B, CF34-8C5A1/B, CF34-

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
2017-17-19		The Boeing Company	8C5A2/B, CF34-8C5/M, CF34-8C5A1/M, CF34-C8C5A2/M, CF34-8C5A3/B, or CF34-8C5B1/M
2017-18-05		The Boeing Company	DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), and DC-9-87 (MD-87) and MD-88
2017-18-06	R 2012-05-03	The Boeing Company	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, 747SR, and 747SP
2017-18-07		Dassault Aviation	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
2017-18-08		Dassault Aviation	FALCON 7X FALCON 2000 and FALCON 2000EX
Biweekly 2017-19			
2017-16-07		Airbus	A330 and A340 airplanes
2017-16-08	R 2012-23-09	Embraer S.A.	ERJ 190-100 STD, -100 LR, -100 ECJ, and -100 IGW; and ERJ 190-200 STD, -200 LR, and -200 IGW airplanes
2017-17-17	R 2011-03-08	Viking Air Limited	CL-215-1A10 (CL-215), CL-215-6B11 (CL-215T Variant), CL-215-6B11 (CL-415 Variant) airplanes
2017-18-09		Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, CN-235-300, and C-295 airplanes
2017-18-12	R 2016-11-20	B/E Aerospace	Protective Breathing Equipment (PBE), part numbers (P/N) 119003-11 and 119003-21
2017-18-14	R 2015-02-22	Rolls-Royce Corporation	250-C20, -C20B, -C20F, -C20J, -C20R, -C20R/1, -C20R/2, -C20R/4, -C20W, -C300/A1, and -C300/B1 turboshaft engines
2017-18-15		Airbus	A300 and A310 airplanes
2017-18-16		The Boeing Company	737-700 and -700C series airplanes
2017-18-17	R 2004-23-20	Airbus	A300 B4-603, A300 B4-620, A300 B4-622, A300 B4-605R, A300 B4-622R, A300 F4-605R, A300 F4-622R, and A300 C4-605R Variant F airplanes
2017-18-18		Airbus	A350-941 airplanes
2017-18-19		Airbus	A310-203, -204, -221, -222, -304, -322, -324, and -325 airplanes
2017-18-21	R 2017-13-12	Airbus	A318, A319, A320, and A321 airplanes
2017-19-02		The Boeing Company	727, 727C, 727-100, 727-100C, 727-200, and 727-200F series
2017-19-03		Dassault Aviation	MYSTERE-FALCON 900 airplanes
2017-19-04		Dassault Aviation	FALCON 900EX airplanes
Biweekly 2017-20			
2017-16-01		Ameri-King Corporation	AK-450-() and AK-451-() series emergency locator transmitters
2017-18-21	R 2017-13-12 Republication	Airbus	A318, A319, A320, A321 airplanes
2017-19-05		Siemens S.A.S.	Smoke detectors
2017-19-06		Bombardier, Inc.	CL-600-1A11, -2A12, -2B16 airplanes
2017-19-07	R 2013-02-12	Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, and CN-235-300 airplanes
2017-19-08		Airbus Defense and Space S.A.	C-212-CB, C-212-CC, C-212-CD, C-212-CE, and C-212-DF airplanes
2017-19-09	R 2014-25-01	Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes
2017-19-10		The Boeing Company	757-200, -200PF, and -200CB series airplanes
2017-19-11		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11 airplanes
2017-19-12	R 2014-13-17	Airbus	A300, A310 airplanes
2017-19-13	R 2001-16-01 R 2014-17-06	Airbus	A330 airplanes
2017-19-14	R 2014-16-27	Dassault Aviation	FALCON 900EX airplanes
2017-19-16		Rolls-Royce plc	RB211 Trent 553-61, Trent 553A2-61, Trent 556-61, Trent 556A2-61, Trent 556B-61, Trent 556B2-61, Trent 560-61, and Trent 560A2-61 turbofan engines
2017-19-17	R 2016-17-02	Dassault Aviation	FALCON 900EX, FALCON 2000EX airplanes
2017-19-18		Rolls-Royce Deutschland Ltd & Co KG	Tay 620-15 turbofan engines

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
2017-19-19		Rolls-Royce plc	Trent XWB-75, Trent XWB-79, Trent XWB-79B, and Trent XWB-84 turbofan engines
2017-19-22	R 2014-07-09	British Aerospace Regional Aircraft	Jetstream Series 3101 and Jetstream Model 3201 airplanes
2017-19-23	R 2015-15-10	Airbus	A318, A319, A320, A321 airplanes
2017-19-24	R 2014-26-10	Airbus	A318, A319, A320, A321 airplanes
2017-19-25		Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, and CN-235-300, and Model C-295 airplanes
2017-19-26	R 2008-12-04	The Boeing Company	737-600, -700, -700C, -800, and -900 series airplanes
2017-19-27		Bombardier, Inc.	DHC-8-401 and -402 airplanes
2017-20-01		Honeywell International Inc.	TFE731-20 and TFE731-40 turbofan engines
2017-20-02	R 2017-13-05	Airbus	A330, A340 airplanes
Biweekly 2017-21			
2017-18-20		The Boeing Company	707-100 Long Body, -200, -100B Long Body, and -100B Short Body series; and 707-300, -300B, -300C, and -400 series airplanes
2017-19-05		Siemens S.A.S.	Smoke detectors
2017-20-03		Dassault Aviation	FALCON 7X airplanes
2017-20-04		Airbus	A300, A310 airplanes
2017-20-05	R 2011-01-15	The Boeing Company	757-200 and -300 series airplanes
2017-20-06		Honeywell International Inc.	AS907-1-1A turbofan engines
2017-20-07		Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes
2017-20-08	R 2009-17-01	Gulfstream Aerospace Corporation	G-IV, GIV-X, GV, GV-SP, and GVI airplanes
2017-20-09		General Electric Company	CF34-8E2; CF34-8E2A1; CF34-8E5; CF34-8E5A1; CF34-8E5A2; CF34-8E6; and CF34-8E6A1 model turbofan engines
2017-20-10		Airbus	A319, A320, A321 airplanes
2017-20-11		Bombardier, Inc.	CL-600-1A11, -2A12, -2B16 airplanes
2017-20-12		The Boeing Company	737-100, -200, and -200C series airplanes
2017-20-14		The Boeing Company	737-300, -400, and -500 series airplanes
2017-21-51		Engine Alliance	GP7270, GP7272, and GP7277 engines
Biweekly 2017-22			
2017-21-01		Dassault Aviation	FAN JET FALCON, FAN JET FALCON SERIES C, D, E, F, and G; MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes
2017-21-02		Airbus	A300, A310 airplanes
2017-21-03		Gulfstream Aerospace LP	Gulfstream 100, Astra SPX, and 1125 Westwind Astra airplanes
2017-21-04		Gulfstream Aerospace LP	Gulfstream G150 airplanes
2017-21-05		Saab AB, Saab Aeronautics	340A (SAAB/SF340A) and SAAB 340B airplanes
2017-21-07		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes
2017-21-08		Airbus	A310-203, -204, -221, -222, -304, -322, -324, and -325 airplanes
2017-21-09		Embraer S.A.	ERJ-170, ERJ-190 airplanes
2017-22-04		The Boeing Company	737-200, -200C, -300, -400, and -500 series airplanes
2017-22-06		Bombardier, Inc.	CL-600-2B16 (CL-601-3A, CL-601-3R, and CL-604 Variants) airplanes



2017-21-01 Dassault Aviation: Amendment 39-19072; Docket No. FAA-2016-9500; Product Identifier 2016-NM-140-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to the airplanes identified in paragraphs (c)(1) and (c)(2) of this AD, certificated in any category.

(1) Dassault Aviation Model FAN JET FALCON, FAN JET FALCON SERIES C, D, E, F, and G airplanes, all manufacturer serial numbers.

(2) Dassault Aviation Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes, all manufacturer serial numbers.

(d) Subject

Air Transport Association (ATA) of America Code 26, Fire protection.

(e) Reason

This AD was prompted by reports of defective fire extinguisher tubes. We are issuing this AD to prevent fire extinguisher failure. Such a failure could result in the inability to extinguish a fire in the rear compartment, and possible damage to the airplane and injury to the occupants.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Fire Extinguisher Tubes Replacement

Within 450 flight cycles or 450 flight hours, whichever occurs later after the effective date of this AD, replace each affected fire extinguisher tube, part number (P/N) MY20791-121 and P/N MY20791-122, with a serviceable fire extinguisher tube, P/N MY20791-121-1 or P/N MY20791-122-1, as applicable, in accordance with the Accomplishment Instructions of Dassault Service Bulletin F20-790, dated September 14, 2016.

(h) Parts Installation Prohibition

No person may install a fire extinguisher tube, P/N MY20791-121 or P/N MY20791-122, on any airplane, as of the applicable time specified in paragraph (h)(1) or (h)(2) of this AD.

(1) For an airplane equipped with an affected fire extinguisher tube as of the effective date of this AD: After modification of that airplane as required by paragraph (g) of this AD.

(2) For an airplane that is not equipped with an affected fire extinguisher tube as of the effective date of this AD: As of the effective date of this AD.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (j)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Dassault Aviation's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA Airworthiness Directive 2016-0154, dated July 28, 2016, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-9500.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1137; fax 425-227-1149.

(k) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Dassault Service Bulletin F20-790, dated September 14, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; Internet <http://www.dassaultfalcon.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.
Dionne Palermo,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2017-21-02 Airbus: Amendment 39-19073; Docket No. FAA-2017-0480; Product Identifier 2016-NM-204-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to the Airbus airplanes identified in paragraphs (c)(1), (c)(2), (c)(3), (c)(4), and (c)(5) of this AD; certificated in any category; except those on which Airbus Modification 5438 was embodied in production.

- (1) Model A300 B4-601, B4-603, B4-620, and B4-622 airplanes.
- (2) Model A300 B4-605R and B4-622R airplanes.
- (3) Model A300 F4-605R and F4-622R airplanes.
- (4) Model A300 C4-605R Variant F airplanes.
- (5) Model A310-203, -204, -221, -222, -304, -322, -324, and -325 airplanes.

(d) Subject

Air Transport Association (ATA) of America Code 53, Fuselage.

(e) Reason

This AD was prompted by a report of cracking in the door sill area of the aft cargo door. We are issuing this AD to detect and correct cracking of the door sill area of the aft cargo; such cracking could adversely affect the structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Repetitive Inspections

Within the applicable compliance time specified in table 1 to paragraph (g) of this AD: Do a high frequency eddy current (HFEC) inspection for cracking of the door sill area (including the sill beam flag, lock fitting, door sill web, and torsion door panel) of the aft cargo door lower torsion box area, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A300-53-6185, dated February 11, 2016; or Service Bulletin A310-53-2143, dated February 11, 2016; as applicable. Repeat the HFEC inspection thereafter at intervals not to exceed 15,100 flight cycles.

Table 1 to Paragraph (g) of This AD–Initial Inspection

Airplane configuration	Compliance time
Repaired (date known), post-Airbus Modification 10319 lock fittings installed using Airbus Structural Repair Manual (SRM) Task 51-72-00	Before exceeding 25,800 flight cycles since the lock fitting replacement.
Repaired (no record, date unknown), post-Airbus Modification 10319 lock fittings installed using Airbus SRM Task 51-72-00	Before exceeding 25,800 flight cycles from November 1, 1996.
Non-repaired airplane, or airplane repaired with pre-Airbus Modification 10319 lock fittings using Airbus SRM Task 51-72-00	No inspection required.

(h) Corrective Action

If any crack is found during any inspection required by paragraph (g) of this AD: Before further flight, repair in accordance with the Accomplishment Instructions of Airbus Service Bulletin A300-53-6185, dated February 11, 2016; or Service Bulletin A310-53-2143, dated February 11, 2016; as applicable; except, where Airbus Service Bulletin A300-53-6185, dated February 11, 2016; or Service Bulletin A310-53-2143, dated February 11, 2016; specifies to contact Airbus for appropriate action, and specifies that action as “RC” (Required for Compliance), before further flight, accomplish corrective actions in accordance with the procedures specified in paragraph (j)(2) of this AD.

(i) Terminating Action

Repair of a lock fitting as required by paragraph (h) of this AD constitutes terminating action for the repetitive inspections required by paragraph (g) of this AD for the repaired fitting location only. All other post-Airbus Modification 10319 installed fittings are to be inspected as required by paragraph (g) of this AD.

(j) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the International Section, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(3) Required for Compliance (RC): Except as required by paragraph (h) of this AD: If any service information contains procedures or tests that are identified as RC, those procedures and tests must be done to comply with this AD; any procedures or tests that are not identified as RC are

recommended. Those procedures and tests that are not identified as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the procedures and tests identified as RC can be done and the airplane can be put back in an airworthy condition. Any substitutions or changes to procedures or tests identified as RC require approval of an AMOC.

(k) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2016-0241, dated December 6, 2016, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0480.

(2) For more information about this AD, contact Dan Rodina, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-2125; fax 425-227-1149.

(l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Airbus Service Bulletin A300-53-6185, dated February 11, 2016.

(ii) Airbus Service Bulletin A310-53-2143, dated February 11, 2016.

(3) For service information identified in this AD, contact Airbus SAS, Airworthiness Office–EAW, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 44 51; email account.airworth-eas@airbus.com; Internet <http://www.airbus.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.

Dionne Palermo,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2017-21-03 Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.): Amendment 39-19074; Docket No. FAA-2017-0693; Product Identifier 2017-NM-044-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Gulfstream Aerospace LP Model Gulfstream 100, Astra SPX, and 1125 Westwind Astra airplanes, certificated in any category, serial numbers 004, and 011 through 158 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 52, Doors.

(e) Reason

This AD was prompted by a report indicating that the main entrance door (MED) opened during flight, and by the determination that the “CABIN DOOR UNLOCK” crew alerting system (CAS) message may extinguish before the handle latch pin is fully engaged. We are issuing this AD to prevent the MED from opening during flight, which could lead to structural damage and loss of control of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Rigging Procedure

Within 12 months after the effective date of this AD: Do an updated rigging procedure for the adjustment of the MED microswitch, in accordance with the Accomplishment Instructions of Gulfstream G100 Service Bulletin 100-52-312, dated January 15, 2016.

(h) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested

using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (i)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the Civil Aviation Authority of Israel (CAAI); or the CAAI's authorized Designee. If approved by the CAAI Designee, the approval must include the Designee's authorized signature.

(i) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) CAAI Airworthiness Directive ISR-I-52-2017-03-29, dated January 3, 2017, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0693.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1137; fax 425-227-1149.

(j) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Gulfstream G100 Service Bulletin 100-52-312, dated January 15, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Gulfstream Aerospace Corporation, P.O. Box 2206, Mail Station D-25, Savannah, GA 31402-2206; telephone 800-810-4853; fax 912-965-3520; email pubs@gulfstream.com; Internet http://www.gulfstream.com/product_support/technical_pubs/pubs/index.htm.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.

Jeffrey E. Duven,
Director, System Oversight Division,
Aircraft Certification Service.



2017-21-04 Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.): Amendment 39-19075; Docket No. FAA-2017-0692; Product Identifier 2017-NM-043-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Gulfstream Aerospace LP Model Gulfstream G150 airplanes, certificated in any category, serial numbers 201 through 318 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 52, Doors.

(e) Reason

This AD was prompted by a report indicating that the main entrance door (MED) opened during flight, and by the determination that the “CABIN DOOR UNLOCK” crew alerting system (CAS) message may extinguish before the handle latch pin is fully engaged. We are issuing this AD to prevent the MED from opening during flight, which could lead to structural damage and loss of control of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Rigging Procedure

Within 12 months after the effective date of this AD: Do an updated rigging procedure for adjustment of the MED microswitch, in accordance with the Accomplishment Instructions of Gulfstream G150 Service Bulletin 150-52-188, dated January 15, 2016.

(h) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to

your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (i)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the Civil Aviation Authority of Israel (CAAI); or the CAAI's authorized Designee. If approved by the CAAI Designee, the approval must include the Designee's authorized signature.

(i) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) CAAI Airworthiness Directive ISR-I-52-2017-03-28, dated January 3, 2017, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0692.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1137; fax 425-227-1149.

(j) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Gulfstream G150 Service Bulletin 150-52-188, dated January 15, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Gulfstream Aerospace Corporation, P.O. Box 2206, Mail Station D-25, Savannah, GA 31402-2206; telephone 800-810-4853; fax 912-965-3520; email pubs@gulfstream.com; Internet http://www.gulfstream.com/product_support/technical_pubs/pubs/index.htm.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.

Jeffrey E. Duven,
Director, System Oversight Division,
Aircraft Certification Service.



2017-21-05 Saab AB, Saab Aeronautics (Formerly Known as Saab AB, Saab Aerosystems):
Amendment 39-19076; Docket No. FAA-2017-0563; Product Identifier 2017-NM-021-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Saab AB, Saab Aeronautics (formerly known as Saab AB, Saab Aerosystems) Model 340A (SAAB/SF340A) and SAAB 340B airplanes, certificated in any category, with an original certificate of airworthiness or original export certificate of airworthiness that was issued on or before December 1, 2016.

(d) Subject

Air Transport Association (ATA) of America Code 05, Time Limits/Maintenance Checks.

(e) Reason

This AD was prompted by the determination that new inspection tasks for the drag brace support fitting of the main landing gear (MLG) and corrosion prevention and control program (CPCP) related tasks are necessary. We are issuing this AD to prevent reduced structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Maintenance or Inspection Program Revision

Within 30 days after the effective date of this AD: Revise the maintenance or inspection program, as applicable, to incorporate airworthiness limitations, including inspection tasks for the drag brace support fitting of the MLG and CPCP related tasks, specified in SAAB 340 Airworthiness Limitation Manual, Revision 1, dated December 1, 2016. The compliance time for the initial airworthiness limitation tasks is at the applicable compliance time specified in SAAB 340 Airworthiness Limitation Manual, Revision 1, dated December 1, 2016, or within 30 days after the effective date of this AD, whichever occurs later.

(h) No Alternative Actions, Intervals, Critical Design Configuration Control Limitations (CDCCLs)

After the maintenance or inspection program, as applicable, has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections), intervals, and/or CDCCLs may be used unless the actions, intervals, and/or CDCCLs are approved as an alternative method of compliance (AMOC) in accordance with the procedures specified in paragraph (i)(1) of this AD.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (j)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Saab AB, Saab Aeronautics' EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA Airworthiness Directive 2017-0033, dated February 17, 2017, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0563.

(2) For more information about this AD, contact Shahram Daneshmandi, Aerospace Engineer, International Section, ANM-116, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone: 425-227-1112; fax: 425-227-1149.

(k) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) SAAB 340 Airworthiness Limitation Manual, Revision 1, dated December 1, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Saab AB, Saab Aeronautics, SE-581 88, Linköping, Sweden; telephone +46 13 18 5591; fax +46 13 18 4874; email saab340techsupport@saabgroup.com; Internet <http://www.saabgroup.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.
Dionne Palermo,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2017-21-07 Airbus: Amendment 39-19078; Docket No. FAA-2017-0497; Product Identifier 2016-NM-209-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Effective Date

None.

(c) Applicability

This AD applies to Airbus Model A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes, certificated in any category, all manufacturer serial numbers.

(d) Subject

Air Transport Association (ATA) of America Code 34, Navigation.

(e) Reason

This AD was prompted by a report of reduction of the de-icing performance of the pitot probe over time that could remain hidden to the flight crew. We are issuing this AD to ensure nominal de-icing performance of the pitot probe in order to prevent unreliable airspeed indications, which could result in reduced control of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Definition of Pitot Probes

For the purpose of this AD, affected pitot probes are the First Officer's Pitot Probe 40DA, Captain's Pitot Probe 41DA, and Standby Pitot Probe 42DA.

(h) Repetitive Inspections

At the time specified in paragraph (h)(1) or (h)(2) of this AD, whichever occurs later, do a detailed inspection of the pitot probe heater insulation resistance on each affected pitot probe, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A300-34-0185, Revision 00, dated August 29, 2016. Repeat the inspection thereafter at intervals not to exceed 24 months.

(1) Within 24 months since the last detailed inspection of the pitot probe heater insulation resistance, as specified in Airbus A300 Aircraft Maintenance Manual (AMM), Task 30-31-00, Insulation Test of Pitot Heater Resistance.

(2) Within 6 months after the effective date of this AD.

(i) Corrective Action

If, during any detailed inspection as required by paragraph (h) of this AD, any pitot probe fails the test, as specified in the Accomplishment Instructions of Airbus Service Bulletin A300-34-0185, Revision 00, dated August 29, 2016, before further flight, replace the affected pitot probe with a serviceable (new or inspected as required by this AD) pitot probe, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A300-34-0185, Revision 00, dated August 29, 2016. Replacement of pitot probes, as required by this paragraph, does not constitute terminating action for the repetitive inspections required by paragraph (h) of this AD.

(j) Reporting

At the applicable times required by paragraph (j)(1) or (j)(2) of this AD: Submit a report of the findings (both positive and negative) of each inspection required by paragraph (h) of this AD, as specified in the Accomplishment Instructions of Airbus Service Bulletin A300-34-0185, Revision 00, dated August 29, 2016, to Airbus Service Bulletin Reporting Online Application on Airbus World (<https://w3.airbus.com/>).

(1) For inspections done before the effective date of this AD: Within 30 days after the effective date of this AD.

(2) For inspections done on or after the effective date of this AD: Within 30 days after accomplishing each inspection required by paragraph (h) of this AD.

(k) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (1)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(3) Reporting Requirements: A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for

reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

(4) Required for Compliance (RC): Except as required by paragraph (j) of this AD: If any service information contains procedures or tests that are identified as RC, those procedures and tests must be done to comply with this AD; any procedures or tests that are not identified as RC are recommended. Those procedures and tests that are not identified as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the procedures and tests identified as RC can be done and the airplane can be put back in an airworthy condition. Any substitutions or changes to procedures or tests identified as RC require approval of an AMOC.

(l) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2016-0248, dated December 15, 2016, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0497.

(2) For more information about this AD, contact Dan Rodina, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone: 425-227-2125; fax: 425-227-1149.

(3) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (m)(3) and (m)(4) of this AD.

(m) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Airbus Service Bulletin A300-34-0185, Revision 00, dated August 29, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Airbus SAS, Airworthiness Office—EAW, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone: +33 5 61 93 36 96; fax: +33 5 61 93 44 51; email: account.airworth-eas@airbus.com; Internet: <http://www.airbus.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 10, 2017.

Jeffrey E. Duven,
Director, System Oversight Division,
Aircraft Certification Service.



2017-21-08 Airbus: Amendment 39-19079; Docket No. FAA-2017-0628; Product Identifier 2016-NM-207-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

This AD affects AD 2013-13-13, Amendment 39-17501 (79 FR 48957, August 19, 2014) (“AD 2013-13-13”).

(c) Applicability

This AD applies to all Airbus Model A310-203, -204, -221, -222, -304, -322, -324, and -325 airplanes, certificated in any category, all manufacturer serial numbers.

(d) Subject

Air Transport Association (ATA) of America Code 05.

(e) Reason

This AD was prompted by a revision of certain airworthiness limitation items (ALI) documents, which require more restrictive maintenance requirements and airworthiness limitations. We are issuing this AD to prevent fatigue cracking, damage, or corrosion in principal structural elements, which could result in reduced structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Revision of Maintenance or Inspection Program

Within 3 months after the effective date of this AD, revise the maintenance or inspection program, as applicable, to incorporate the information specified in paragraphs (g)(1), (g)(2), and (g)(3) of this AD. The initial compliance times for doing the tasks is at the time specified in the service information identified in paragraphs (g)(1), (g)(2), and (g)(3) of this AD, or within 3 months after the effective date of this AD, whichever occurs later.

(1) Airbus A310 Airworthiness Limitations Section (ALS), Part 2, “Damage Tolerant Airworthiness Limitation Items (DT-ALI),” Revision 01, dated August 7, 2015.

(2) Airbus A310 Airworthiness Limitations Section (ALS), Part 2, “Damage Tolerant Airworthiness Limitation Items (DT-ALI),” Variation 1.1, dated January 25, 2016.

(3) Airbus A310 Airworthiness Limitations Section (ALS), Part 2, “Damage Tolerant Airworthiness Limitation Items (DT-ALI),” Variation 1.2, dated July 22, 2016.

(h) No Alternative Actions or Intervals

After the maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections) or intervals may be used unless the actions and/or intervals are approved as an alternative method of compliance (AMOC) in accordance with the procedures specified in paragraph (j)(1) of this AD.

(i) Terminating Action for AD 2013-13-13

Accomplishing the actions required by this AD terminates all requirements of AD 2013-13-13 for that airplane only.

(j) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(k) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2016-0217, dated November 2, 2016, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0628.

(2) For more information about this AD, contact Dan Rodina, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-2125; fax 425-227-1149.

(l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Airbus A310 Airworthiness Limitations Section (ALS), Part 2, "Damage Tolerant Airworthiness Limitation Items (DT-ALI)," Revision 01, dated August 7, 2015.

(ii) Airbus A310 Airworthiness Limitations Section (ALS), Part 2, "Damage Tolerant Airworthiness Limitation Items (DT-ALI)," Variation 1.1, dated January 25, 2016.

(iii) Airbus A310 Airworthiness Limitations Section (ALS), Part 2, "Damage Tolerant Airworthiness Limitation Items (DT-ALI)," Variation 1.2, dated July 22, 2016.

(3) For service information identified in this AD, contact Airbus SAS, Airworthiness Office–EAW, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 44 51; email account.airworth-eas@airbus.com; Internet <http://www.airbus.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.

Jeffrey E. Duven,
Director, System Oversight Division,
Aircraft Certification Service.



2017-21-09 Embraer S.A.: Amendment 39-19080; Docket No. FAA-2017-0697; Product Identifier 2017-NM-041-AD.

(a) Effective Date

This AD is effective November 27, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to the airplanes specified in paragraphs (c)(1) and (c)(2) of this AD, certificated in any category.

(1) Embraer S.A. Model ERJ 170-100 LR, -100 STD, -100 SE., and -100 SU airplanes; and Model ERJ 170-200 LR, -200 SU, and -200 STD airplanes; as identified in Embraer Service Bulletin 170-53-0051, Revision 03, dated August 21, 2013.

(2) Embraer S.A. Model ERJ 190-100 STD, -100 LR, and -100 IGW airplanes; and Model ERJ 190-200 STD, -200 LR, and -200 IGW airplanes; as identified in Embraer Service Bulletin 190-53-0019, Revision 03, dated August 21, 2013.

(d) Subject

Air Transport Association (ATA) of America Code 53, Fuselage.

(e) Reason

This AD was prompted by an evaluation by the design approval holder indicating that the forward pressure bulkhead is subject to widespread fatigue damage. We are issuing this AD to prevent fatigue cracking of the forward pressure bulkhead, which could result in reduced structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Repetitive Inspections and Repairs

Before the accumulation of 25,954 total flight cycles, or within 3,600 flight cycles after the effective date of this AD, whichever occurs later: Do a detailed inspection of the web aft face of the forward pressure bulkhead for any cracking and discrepancy (i.e., corrosion, dents, gauge marks, fastener anomalies), in accordance with Task 53-10-001-0005 specified in Embraer 170/175 MRB—Temporary Revision 12-3, dated September 19, 2016, to the Embraer 170/175 Maintenance Review Board Report, MRB-1621; or Task 53-10-001-0005 specified in Embraer 190/195 MRB—Temporary

Revision 10-4, dated September 19, 2016, to the Embraer 190/195 Maintenance Review Board Report, MRB-1928; as applicable. Repeat the inspection thereafter at intervals not to exceed 6,489 flight cycles. If any cracking or discrepancy is found during any inspection required by this paragraph, before further flight, repair the forward pressure bulkhead using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the Agência Nacional de Aviação Civil (ANAC); or ANAC's authorized Designee. If approved by the ANAC Designee, the approval must include the Designee's authorized signature.

(h) Modification of the Forward Pressure Bulkhead

Before the accumulation of 38,931 total flight cycles: Modify the forward pressure bulkhead, in accordance with the Accomplishment Instructions of Embraer Service Bulletin 170-53-0051, Revision 03, dated August 21, 2013; or Embraer Service Bulletin 190-53-0019, Revision 03, dated August 21, 2013; as applicable. Accomplishing the modification required by this paragraph terminates the requirements of paragraph (g) of this AD.

(i) Credit for Previous Actions

(1) This paragraph provides credit for the actions applicable to Model ERJ 170 airplanes required by paragraph (h) of this AD, if those actions were performed before the effective date of this AD, using the service information specified in paragraph (i)(1)(i), (i)(1)(ii), or (i)(1)(iii) of this AD.

(i) Embraer Service Bulletin 170-53-0051, dated February 26, 2010.

(ii) Embraer Service Bulletin 170-53-0051, Revision 01, dated May 25, 2011.

(iii) Embraer Service Bulletin 170-53-0051, Revision 02, May 28, 2012.

(2) This paragraph provides credit for actions applicable to Model ERJ 190 airplanes required by paragraph (h) of this AD, if those actions were performed before the effective date of this AD, using the service information specified in paragraph (i)(2)(i), (i)(2)(ii), or (i)(2)(iii) of this AD.

(i) Embraer Service Bulletin 190-53-0019, dated February 26, 2010.

(ii) Embraer Service Bulletin 190-53-0019, Revision 01, dated May 25, 2011.

(iii) Embraer Service Bulletin 190-53-0019, Revision 02, dated May 28, 2012.

(j) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the ANAC; or ANAC's authorized Designee. If approved by the ANAC Designee, the approval must include the Designee's authorized signature.

(k) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Brazilian AD 2017-03-01, dated March 24, 2017, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0697.

(2) For more information about this AD, contact Ana Martinez Hueto, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1622; fax 425-227-1149.

(3) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (l)(3) and (l)(4) of this AD.

(l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Embraer 170/175 MRB—Temporary Revision 12-3, dated September 19, 2016, to the Embraer 170/175 Maintenance Review Board Report, MRB-1621.

(ii) Embraer 190/195 MRB—Temporary Revision 10-4, dated September 19, 2016, to the Embraer 190/195 Maintenance Review Board Report, MRB-1928.

(iii) Embraer Service Bulletin 170-53-0051, Revision 03, dated August 21, 2013.

(iv) Embraer Service Bulletin 190-53-0019, Revision 03, dated August 21, 2013.

(3) For service information identified in this AD, contact Embraer S.A., Technical Publications Section (PC 060), Av. Brigadeiro Faria Lima, 2170—Putim—12227-901 São Jose dos Campos—SP—Brasil; telephone +55 12 3927-5852 or +55 12 3309-0732; fax +55 12 3927-7546; email distrib@embraer.com.br; Internet <http://www.flyembraer.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 12, 2017.

Dionne Palermo,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2017-22-04 The Boeing Company: Amendment 39-19084; Docket No. FAA-2017-0332; Product Identifier 2016-NM-164-AD.

(a) Effective Date

This AD is effective November 30, 2017.

(b) Affected ADs

This AD affects AD 2003-14-06, Amendment 39-13225 (68 FR 40759, July 9, 2003; corrected July 21, 2003 (68 FR 42956)) (“AD 2003-14-06”).

(c) Applicability

(1) This AD applies to The Boeing Company Model 737-200, -200C, -300, -400, and -500 series airplanes, certificated in any category, as identified in Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016.

(2) Installation of Supplemental Type Certificate (STC) ST01219SE (http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/EBD1CEC7B301293E86257CB30045557A?OpenDocument&Highlight=st01219se) does not affect the ability to accomplish the actions required by this AD. Therefore, for airplanes on which STC ST01219SE is installed, a “change in product” alternative method of compliance (AMOC) approval request is not necessary to comply with the requirements of 14 CFR 39.17.

(d) Subject

Air Transport Association (ATA) of America Code 53, Fuselage.

(e) Unsafe Condition

This AD was prompted by reports of skin doublers that disbonded from their skin panels. We are issuing this AD to detect and correct disbonded skin panels, which could result in fuselage skin cracking, rapid decompression, and loss of structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Actions Required for Compliance

Except as required by paragraph (h) of this AD: Do all applicable actions identified as required for compliance (“RC”) in, and in accordance with, the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016. Do the actions at the applicable times specified in paragraph 1.E., “Compliance,” of Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016.

(h) Exceptions to Service Information Specifications

(1) Where Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016, uses the phrase “after the original issue of this service bulletin,” for purposes of determining compliance with the requirements of this AD, the phrase “after the effective date of this AD” must be used.

(2) Where Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016, specifies contacting Boeing for instructions, and specifies that action as “RC” (Required for Compliance): This AD requires using a method approved in accordance with the procedures specified in paragraph (k) of this AD.

(3) For replaced skin panels identified in table 9 of paragraph 1.E., “Compliance,” of Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016, on which the one-time internal inspection specified in Boeing Service Bulletin 737-53-1179, Revision 2, dated October 25, 2001, has not been done: The compliance time for accomplishment of the actions specified in Part 8 of the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016, is at the latest of the times specified in paragraphs (h)(3)(i), (h)(3)(ii), and (h)(3)(iii) of this AD.

(i) Within 50,000 flight cycles after the skin panel replacement.

(ii) Within 20,000 flight cycles after July 14, 2003 (the effective date of AD 2003-14-16).

(iii) Within 4,500 flight cycles after the effective date of this AD.

(i) Terminating Action for Required Inspections

(1) Accomplishment of any skin panel replacement using a skin panel manufactured on or after April 1, 1997, terminates the inspections required by paragraph (g) of this AD for that skin panel only, provided the replacement is done as specified in the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016, except as required by paragraph (h)(2) of this AD.

(2) Accomplishment of any skin panel replacement done before the effective date of this AD terminates the inspections required by paragraph (g) of this AD for that skin panel only, provided the conditions specified in paragraphs (i)(2)(i) and (i)(2)(ii) of this AD are met.

(i) The replacement was done using a skin panel manufactured on or after April 1, 1997.

(ii) The replacement was done using an FAA-approved method.

(3) Installation of an FAA-approved reinforced repair doubler (except disbond repair) before the effective date of this AD terminates the inspections required by paragraph (g) of this AD at the repaired location only.

(j) Terminating Action for AD 2003-14-06

(1) Accomplishment of the initial inspections required by paragraph (g) of this AD terminates all requirements of AD 2003-14-06.

(2) Accomplishment of any skin panel replacement with a skin panel manufactured on or after April 1, 1997, as specified in the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016, except as required by paragraph (h)(2) of this AD, terminates all requirements of AD 2003-14-06 for that skin panel only.

(k) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Los Angeles ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to the attention of the person identified in paragraph (l) of this AD. Information may be emailed to: 9-ANM-LAACO-AMOC-Requests@faa.gov.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by the Boeing Commercial Airplanes Organization Designation Authorization (ODA) that has been authorized by the Manager, Los Angeles ACO Branch, to make those findings. To be approved, the repair method, modification deviation, or alteration deviation must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

(4) Except as required by paragraph (h)(2) of this AD: For service information that contains steps that are labeled as Required for Compliance (RC), the provisions of paragraphs (k)(4)(i) and (k)(4)(ii) of this AD apply.

(i) The steps labeled as RC, including substeps under an RC step and any figures identified in an RC step, must be done to comply with the AD. If a step or substep is labeled "RC Exempt," then the RC requirement is removed from that step or substep. An AMOC is required for any deviations to RC steps, including substeps and identified figures.

(ii) Steps not labeled as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the RC steps, including substeps and identified figures, can still be done as specified, and the airplane can be put back in an airworthy condition.

(l) Related Information

For more information about this AD, contact Jennifer Tsakoumakis, Airframe Section, FAA, Los Angeles ACO Branch, 3960 Paramount Boulevard, Lakewood, CA 90712-4137; phone: 562-627-5264; fax: 562-627-5210; email: jennifer.tsakoumakis@faa.gov.

(m) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Boeing Alert Service Bulletin 737-53A1349, dated August 23, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110-SK57, Seal Beach, CA 90740-5600; telephone 562-797-1717; Internet <https://www.myboeingfleet.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 11, 2017.

Dionne Palermo,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2017-22-06 Bombardier, Inc.: Amendment 39-19086; Docket No. FAA-2017-0521; Product Identifier 2016-NM-189-AD.

(a) Effective Date

This AD is effective November 30, 2017.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bombardier, Inc., Model CL-600-2B16 (CL-601-3A, CL-601-3R, and CL-604 Variants) airplanes, certificated in any category, having serial numbers 5301 through 5665 inclusive, 5701 through 5955 inclusive, 5957, 5960 through 5966 inclusive, 5968 through 5971 inclusive, and 5981.

(d) Subject

Air Transport Association (ATA) of America Code 28, Fuel.

(e) Reason

This AD was prompted by reports of fuel leaks in the engine and auxiliary power unit (APU) electrical fuel pump (EFP) cartridge/canister electrical connectors and conduits. We are issuing this AD to detect and correct fuel leaks in certain fuel pumps to remove a potential fuel ignition hazard.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) General Visual Inspections and Corrective Actions—Model CL-600-2B16 Airplanes, Serial Numbers 5301 through 5665 Inclusive

For Model CL-600-2B16 airplanes having serial numbers 5301 through 5665 inclusive: Within 600 flight hours or 12 months, whichever occurs first, after the effective date of this AD, do the inspections specified in paragraphs (g)(1), (g)(2), and (g)(3) of this AD, and do all applicable corrective actions, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 604-28-022, dated October 19, 2015; except where Bombardier Service Bulletin 604-28-022, dated October 19, 2015, specifies to contact the manufacturer, before further flight accomplish corrective actions in accordance with the procedures specified in paragraph (i)(2) of this AD. Do all applicable corrective actions before further flight. Repeat the inspections at intervals not to exceed 600 flight hours or 12 months, whichever occurs first.

(1) Do a general visual inspection for traces of fuel coming from the right-hand engine boost pump at the location of the belly fairing screw (FS412, BL 0.0).

(2) Do a general visual inspection for traces of fuel coming from the left-hand engine boost pump at the location of the belly fairing screw (FS412, BL 0.0).

(3) Do a general visual inspection for traces of fuel coming from the EFP electrical wiring conduit outlet at the lower body fairing area for engine EFPs and at the right-hand landing light compartment for the APU EFP.

(h) General Visual Inspections and Related Investigative and Corrective Actions—Model CL-600-2B16 Airplanes Having Serial Numbers 5701 through 5955 Inclusive, 5957, 5960 through 5966 Inclusive, 5968 through 5971 Inclusive, and 5981

For Model CL-600-2B16 airplanes having serial numbers 5701 through 5955 inclusive, 5957, 5960 through 5966 inclusive, 5968 through 5971 inclusive, and 5981: Within 600 flight hours or 12 months, whichever occurs first, after the effective date of this AD, do the inspections specified in paragraphs (h)(1), (h)(2), and (h)(3) of this AD, and do all applicable related investigative and corrective actions, in accordance with the Accomplishment Instructions in Bombardier Service Bulletin 605-28-010, dated October 19, 2015; except where Bombardier Service Bulletin 605-28-010, dated October 19, 2015, specifies to contact the manufacturer, before further flight accomplish corrective actions in accordance with the procedures specified in paragraph (i)(2) of this AD. Do all applicable related investigative and corrective actions before further flight. Repeat the inspections at intervals not to exceed 600 flight hours or 12 months, whichever occurs first.

(1) Do a general visual inspection for traces of fuel coming from the right-hand engine boost pump at the location of the belly fairing screw (FS412, BL 0.0).

(2) Do a general visual inspection for traces of fuel coming from the left-hand engine boost pump at the location of the belly fairing screw (FS412, BL 0.0).

(3) Do a general visual inspection of the right-hand landing light compartment for traces of fuel coming from the APU EFP.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, New York ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to ATTN: Program Manager, Continuing Operational Safety, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7300; fax 516-794-5531. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, New York ACO Branch, FAA; or Transport Canada Civil Aviation (TCCA); or Bombardier, Inc.'s TCCA Design Approval Organization (DAO). If approved by the DAO, the approval must include the DAO-authorized signature.

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2016-32R1, dated October 12, 2016, for related information. This MCAI may be found in the AD docket

on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0521.

(2) For more information about this AD, contact Steven Dzierzynski, Aerospace Engineer, Avionics and Administrative Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7367; fax 516-794-5531.

(3) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (k)(3) and (k)(4) of this AD.

(k) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Bombardier Service Bulletin 604-28-022, dated October 19, 2015.

(ii) Bombardier Service Bulletin 605-28-010, dated October 19, 2015.

(3) For service information identified in this AD, contact Bombardier, Inc., 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; Widebody Customer Response Center North America toll-free telephone 1-866-538-1247 or direct-dial telephone 1-514-855-2999; fax 514-855-7401; email ac.yul@aero.bombardier.com; Internet <http://www.bombardier.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(5) You may view this service information that is incorporated by reference 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 Renton, Washington, on October 17, 2017.

Jeffrey E. Duven,
Director, System Oversight Division,
Aircraft Certification Service.