

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

LARGE AIRCRAFT

BIWEEKLY 2016-21

10/3/2016 - 10/16/2016



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 2016-01			
2015-25-03	COR	The Boeing Company	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, and 747SR series airplanes
2015-25-06	R 2010-06-04	Airbus	A300 B2-1C, B2-203, B2K-3C, B4-103, B4-203, and B4-2C; A310-203, -204, -221, -222, -304, -322, -324, and -325; A300 B4-601, B4-603, B4-605R, B4-620, B-622, and B4-622R airplanes
2015-26-02		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, -313, -541, and -642 airplanes
2015-26-03	R 2011-07-10	Bombardier, Inc.	BD-100-1A10 (Challenger 300) airplanes
2015-26-07		The Boeing Company	767-200, -300, -300F series airplanes
Biweekly 2016-02			
2015-25-10	R 2011-24-05	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
2015-26-05		Fokker Services B.V.	F.28 Mark 1000, 2000, 3000, and 4000
2015-26-06	R 2004-14-09	Airbus	A320-211, -212, and -231
2015-26-09		ATR-GIE Avions de Transport Régional (ATR)	ATR42-200, -300, -320, and -500
2015-27-01		General Electric Company (GE)	GE90-76B, -77B, -85B, -90B, and -94B
2016-01-02		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)
2016-01-03		Airbus	A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342, and A330-343; A340-211, A340-212, A340-213, A340-311, A340-312, and A340-313
2016-01-04	R 2005-01-09	The Boeing Company	747-100, -100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, and 747SR series
2016-01-05		The Boeing Company	737-400 series
2016-01-07		Airbus	A319-113 and A319-114; A320-211 and A320-212
2016-01-08	R 2013-13-04	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; and A321-111, -112, -131, -211, -212, -213, -231, and -232
2016-01-09		Bombardier, Inc.	DHC-8-400, -401, and -402
2016-01-11	R 98-18-26	Airbus	A320-211, -212, and -231
2016-01-12		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11
2016-01-13		Airbus	A310-203, -204, -221, -222, -304, -322, -324, and -325; A300 B4-601, B4-603, B4-620, and B4-622; A300 B4-605R and B4-622R; and A300 F4-605R, F4-622R, and A300 C4-605R Variant F
2016-01-16	R 2002-23-20	Dassault Aviation	Mystere-Falcon 900
2016-01-17		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702)
Biweekly 2016-03			
2015-25-08	COR	The Boeing Company	777-200, -200LR, -300, -300ER, and 777F series airplanes
2015-28-01		Engine Alliance	GP7270 turbofan engines
2016-01-10	R 2004-20-14	Airbus	A300 airplanes
2016-01-18	R 98-20-27	Airbus	A300 airplanes
2016-02-01	R 96-18-06	Airbus	A320-211, -212, and -231 airplanes
2016-02-02		Airbus	A318-111 and -112; A319-111, -112, and -115; A320-214; A321-111, -112, -211, -212, and -213 airplanes
2016-02-03		Airbus	A319-113 and -114; A320-211 and -212 airplanes
2016-02-04		CFM International S.A.	CFM56-5B engines
2016-02-05		Bombardier, Inc.	BD-100-1A10 (Challenger 300) airplanes
2016-03-01		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
Biweekly 2016-04			
2016-03-04		Rolls-Royce plc	(RR) RB211-535E4-37, RB211-535E4-B-37, and RB211-535E4-C-37 turbofan engines
2016-03-06	R 2012-18-05	The Boeing Company	DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-33F, DC-9-34, DC 9 34F, DC 9 32F (C-9A, C 9B), DC-9-41, DC-9-51, DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), MD-88, MD-90-30 airplanes.
2016-04-01	R 2015-26-02	Airbus	A330-201, -202, -203, -223, -223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, -343, A340-211, -212, -213, -311, -312, -313, -541, and -642 airplanes
2016-04-02	R 2010-26-10	The Boeing Company	747-200C, -200F, -400, -400D, and -400F series airplanes
2016-04-03		The Boeing Company	747-400F series airplanes
Biweekly 2016-05			
2016-04-06		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series
2016-04-07		The Boeing Company	767-200, -300, -300F, and -400ER series
2016-04-08		The Boeing Company	787-8
2016-04-09		Dassault Aviation	FALCON 900EX and FALCON 2000EX
2016-04-10		ATR-GIE Avions de Transport Régional	ATR42-500 and ATR72-102, -202, -212, and -212A
2016-04-11		General Electric Company	GEEx-1B54, -1B58, -1B64, -1B67, and -1B70
2016-04-17		The Boeing Company	777-200 series
2016-04-18		The Boeing Company	747-100, -200B, -200C, -200F, -300, -400, -400D, and -400F series
2016-04-19		Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, CN-235-300, and C-295
2016-04-20		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series; 757-200, -200PF, -200CB, and -300 series; 767-200, -300, -300F, and -400ER series; 777-200, -200LR, -300, -300ER, and -777F series
2016-04-21	R 2008-26-07	The Boeing Company	DC-8-11, DC-8-12, DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43, DC-8-51, DC-8-52, DC-8-53, DC-8-55, DC-8F-54, DC-8F-55, DC-8-61, DC-8-62, DC-8-63, DC-8-61F, DC-8-62F, DC-8-63F, DC-8-71, DC-8-72, DC-8-73, DC-8-71F, DC-8-72F, and DC-8-73F
2016-04-22		Fokker Services B.V.	F.27 Mark 200, 300, 400, 500, 600, and 700
2016-04-23		The Boeing Company	787-8
2016-04-24		The Boeing Company	757-200 series
Biweekly 2016-06			
2016-03-03	S 2013-11-13	Rolls-Royce plc	Viper Mk. 521, Viper Mk. 522, and Viper Mk. 601-22 turbojet engines
2016-03-07		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, -313, -541, and -642
2016-04-13	S 2015-04-03	Rolls-Royce plc	RB211 Trent 768-60, 772-60, and 772B-60 turbofan engines
2016-04-16	R 2013-08-23	The Boeing Company	DC-10-10, DC-10-10F, DC-10-15, DC-10-30, DC-10-30F (KC-10A and KDC-10), DC-10-40, DC-10-40F, MD-10-10F, MD-10-30F, MD-11, and MD-11F
2016-05-02	R 2011-13-11 & R 2013-16-09	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
2016-05-04		Dowty Propellers	R352/6-123-F/1, R352/6-123-F/2, and R410/6-123-F/35
2016-05-05		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, A310-203, -204, -221, -222, -304, -322, -324, and -325
2016-05-07		Engine Alliance	GP7270 turbofan engine
2016-05-12	R 2012-15-13	The Boeing Company	747-100B SUD, 747-300, 747-400, and 747-400D series, 747-200B series

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2016-06-02		The Boeing Company	737-300, -400, and -500 series
2016-06-03		Airbus	A319-131, -132, and -133, A320-232 and -233, A321-131, -231, and -232
2016-06-04		The Boeing Company	737-300, -400, and -500 series
2016-06-05		The Boeing Company	777-200, -200LR, -300, -300ER, and -777F series
2016-06-06		Quest Aircraft Design, LLC	KODIAK 100
2016-06-07	R 2006-22-15	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
2016-06-08		The Boeing Company	787-8 and 787-9
Biweekly 2016-07			
2016-06-10		The Boeing Company	787-8
2016-06-11		Airbus Defense and Space S.A.	CN-235, CN-235-100, CN-235-200, and CN-235-300
2016-06-12		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
2016-06-13		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
2016-07-03		The Boeing Company	747-100, 747-100B, 747-100B SUD, 747-200B, 747-300, 747SR, and 747SP series
2016-07-05		The Boeing Company	747-8 series
2016-07-06		BAE Systems (Operations) Limited	BAe 146-100A, -200A, and -300A; Avro 146-RJ70A, 146-RJ85A, and 146-RJ100A
2016-07-10		The Boeing Company	787-8 and 787-9
Biweekly 2016-08			
2016-06-14		General Electric Company	CF6-80E1
2016-07-02		Honeywell International Inc.	TFE731-4, -4R, -5AR, -5BR, and -5R
2016-07-04		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
2016-07-07		The Boeing Company	757-200, -200PF, -200CB, and -300 series
2016-07-08		The Boeing Company	DC-9-83 (MD-83)
2016-07-09	R 2011-21-06	BAE SYSTEMS (Operations) Limited	4101
2016-07-12		Airbus	A318-111 and -112, A319-111, -112, -113, -114, and -115; A320-211, -212, and -214; A321-111, -112, -211, -212, and -213
2016-07-14		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
2016-07-15		Dassault Aviation	FALCON 7X
2016-07-16	R 2013-26-08	The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series
2016-07-17	R 97-20-07	Airbus	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
2016-07-18		Airbus Defense and Space S.A.	CN-235-200 and CN-235-300
2016-07-20	R 95-18-08	Airbus	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
2016-07-22		Airbus	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
2016-07-25		The Boeing Company	787-8
2016-07-28		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
2016-07-30		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, -313, -541, and -642
2016-07-31	R 2013-22-11	The Boeing Company	747-400 and -400D series

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2016-08-03		The Boeing Company	777-200, -200LR, -300, and -300ER series
2016-08-04		Airbus	A330-223F and -243F
2016-08-05		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)
2016-08-06		Airbus	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
2016-08-07		Rolls-Royce plc	RB211-22B-02, RB211-22B (MOD 72-8700), RB211-524B-02, RB211-524B-B-02, RB211-524B2-19, RB211-524B2-B-19, RB211-524B3-02, RB211-524B4-02, RB211-524B4-D-02, RB211-524C2-19, RB211-524C2-B-19, RB211-524D4-19, RB211-524D4-B-19, RB211-524D4X-19, RB211-524D4X-B-19, RB211-524D4-39, RB211-524D4-B-39, RB211-524G2-19, RB211-524G3-19, RB211-524G2-T-19, RB211-524G3-T-19, RB211-524H-36, RB211-524H2-19, RB211-524H-T-36, and RB211-524H2-T-19
Biweekly 2016-09			
2016-08-01		Dassault Aviation	FALCON 7X airplanes
2016-08-09		Pratt & Whitney Division	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, and PW4650 turbofan engines
2016-08-10		General Electric Company	CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A5F, CF6-80C2A8, CF6-80C2B1, CF6-80C2B1F, CF6-80C2B1F1, CF6-80C2B1F2, CF6-80C2B2, CF6-80C2B2F, CF6-80C2B3F, CF6-80C2B4, CF6-80C2B4F, CF6-80C2B5F, CF6-80C2B6, CF6-80C2B6F, CF6-80C2B6FA, CF6-80C2B7F, CF6-80C2B8F, CF6-80C2D1F, CF6-80C2L1F, CF6-80C2K1F, CF6-80E1A1, CF6-80E1A2, CF6-80E1A3, CF6-80E1A4, and CF6-80E1A4/B turbofan engines
2016-08-11	R 2012-17-13	The Boeing Company	707 airplanes; 720 and 720B series airplanes
2016-08-12		The Boeing Company	787-8 and 787-9 airplanes
2016-08-14	R 2014-03-14	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
Biweekly 2016-10			
2016-07-23		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 airplanes
2016-08-02		Airbus	A320-214, -232, and -233, A321-211 and -231 airplanes
2016-08-13	R 2004-19-11	Airbus	A320-211, -212, -214, -231, -232, and -233
2016-08-15	R 2014-17-51	Bombardier, Inc	CL-600-2B16
2016-09-01		The Boeing Company	777-200 and -300 series
2016-09-03		Dassault Aviation	FALCON 2000, FALCON 2000EX, MYSTERE-FALCON 900 and FALCON 900EX
2016-09-04		Bombardier, Inc	CL-600-2B19 (Regional Jet Series 100 & 440)
2016-09-05		The Boeing Company	717-200 airplanes
2016-09-06		Airbus	A318-111 and -112, A319-111, -112, -113, -114, and -115, A320-211, -212, and -214, A321-111, -112, -211, -212, and -213
2016-09-07		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
2016-09-08		The Boeing Company	747-8 series airplanes
2016-09-10	R 2007-10-10 R1	Airbus	A300 B4-600, B4-600R, and F4-600R series, A300 C4-605R Variant F airplanes (collectively called A300-600 series airplanes)

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2016-09-11		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
2016-09-12		The Boeing Company	787-8 and 787-9 airplanes
2016-09-13		The Boeing Company	737-300, -400, and -500 series
2016-10-02		The Boeing Company	777-200 and -300 series
Biweekly 2016-11			
2016-10-04		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series
2016-10-05		The Boeing Company	757-200, -200CB, -200PF, and -300
2016-10-06		Bombardier, Inc.	BD-700-1A10, BD-700-1A11
2016-10-07		Bombardier, Inc.	DHC-8-102, -103, -106, -201, -202, -301, -311, and -315
2016-10-08		Airbus	A330-201, -202, -203, -223, and -243, A330-223F and -243F, 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
2016-10-09		The Boeing Company	787-8 and 787-9
2016-10-10	R 2014-20-01	Bombardier, Inc.	CL-600-2B16 (CL-601-3A, CL-601-3R, and CL-604 Variants)
2016-10-11	R 2015-03-06	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, -313, -541, and -642
2016-10-12		Fokker Services B.V.	F.28 Mark 0070 and 0100
2016-10-13		Airbus	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
2016-10-14		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702), CL-600-2D15 (Regional Jet Series 705), CL-600-2D24 (Regional Jet Series 900)
2016-10-16		Dassault Aviation	MYSTERE-FALCON 900, FALCON 900EX, FALCON 2000EX
2016-11-02		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702), CL-600-2D15 (Regional Jet Series 705), CL-600-2D24 (Regional Jet Series 900), CL-600-2E25 (Regional Jet Series 1000)
Biweekly 2016-12			
2016-10-15		Fokker Services B.V.	F.28 Mark 0070 and 0100
2016-11-01		Airbus	A330-201, -202, -203, -223, and -243; A330-223F and -243F; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-541; and A340-642
2016-11-03		The Boeing Company	777-200, -200LR, -300, -300ER, and -777F series
2016-11-04	R 2011-23-05	The Boeing Company	737-300, -400, and -500 series
2016-11-05	R 99-16-01	Airbus	A300 B4-601, B4-603, B4-620, and B4-622; A300 B4-605R and B4-622R; A300 F4-605R; and A300 C4-605R Variant F
2016-11-06	R 2005-18-18	The Boeing Company	757-200, -200PF, -200CB, and -300 series
2016-11-07		The Boeing Company	777-200 and -300 series
2016-11-08	R 2001-12-18	Airbus Defense and Space S.A.	CN-235; CN-235-100 and -200
2016-11-15		Fokker Services B.V.	F28 Mark 0070 and 0100
2016-11-17		The Boeing Company	787-8
2016-11-18		The Boeing Company	787
2016-11-20		B/E Aerospace	Protective Breathing Equipment (PBE)
2016-11-22		Fokker Services B.V.	F.28 Mark 0070 and 0100
2016-12-03	R 2011-17-10	Fokker Services B.V.	F.28 Mark 1000
Biweekly 2016-13			
2016-11-14		Fokker Services B.V.	F.28 Mark 1000, 2000, 3000, and 4000 airplanes
2016-11-16		The Boeing Company	777-200 and -300 series airplanes
2016-11-19		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, -313, -541, and -642 airplanes

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
2016-12-04		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 airplanes
2016-12-05	R 2014-15-04	Saab AB, Saab Aeronautics	SAAB 2000 airplanes
2016-12-09	R 2016-09-11	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 airplanes
2016-12-10	R 2016-09-07	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 airplanes
2016-12-11		The Boeing Company	787-8 airplanes
2016-12-12	R 2008-05-18 R1	Fokker Services B.V.	F.27 Mark 050, 200, 300, 400, 500, 600, and 700 airplanes
2016-12-14		Embraer S.A.	ERJ 170-100 LR, -100 STD, -100 SE., and -100 SU; ERJ 170-200 LR, -200 SU, and -200 STD; ERJ 190-100 STD, -100 LR, -100 IGW, -200 STD, -200 LR, and -200 IGW airplanes
2016-12-15	R 2016-07-30	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, -313, -541, and -642 airplanes
2016-13-01	R 2016-08-05	Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702); CL-600-2D15 (Regional Jet Series 705); CL-600-2D24 (Regional Jet Series 900); CL-600-2E25 (Regional Jet Series 1000) airplanes
2016-13-02	R 2016-09-04	Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440) airplanes
2016-13-05		General Electric Company	GE90-76B, GE90-77B, GE90-85B, GE90-90B, and GE90-94B turbofan engines
Biweekly 2016-14			
2016-13-03		The Boeing Company	767-200, -300, -300F, and -400ER series airplanes
2016-13-05	COR	General Electric Company	GE90-76B, GE90-77B, GE90-85B, GE90-90B, and GE90-94B turbofan engines
2016-13-06		Saab AB, Saab Aeronautics	340A (SAAB/SF340A), SAAB 340B airplanes
2016-13-08		Airbus	A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203, B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, and C4-605R Variant F airplanes
2016-13-10	R 2012-12-04	The Boeing Company	737-300, -400, and -500 series
2016-13-11	R 2008-05-06	The Boeing Company	737-100, -200, -300, -400, and -500 series
2016-13-12		Rolls-Royce Deutschland GmbH	BR700-710A1-10, BR700-710A2-20, BR700-710C4-11 engines
2016-13-13		Beechcraft Corporation	BAe.125 series 1000A and 1000B, and Hawker 1000 airplanes
2016-13-14		Bombardier, Inc.	DHC-8-400, -401 and -402 airplanes
2016-13-16		The Boeing Company	737-600, -700, -700C, -800, -900, and 900ER series airplanes
2016-14-02	R 2012-18-12	Airbus	A318-111, -112, -121, and -122, A319-111, -112, -113, -114, -115, -131, -132, and -133, 320-211, -212, -214, -231, -232, and -233 airplanes
2016-14-03		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 airplanes
2016-14-04		The Boeing Company	787-8 series
Biweekly 2016-15			
2016-13-09		Bombardier, Inc	CL-600-2B16 (CL-604 Variant)
2016-13-15		Dassault Aviation	FALCON 7X
2016-14-01		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
2016-14-07		Bombardier, Inc	CL-600-2B19 (Regional Jet Series 100 & 440); CL-600-2C10 (Regional Jet Series 700, 701, & 702); CL-600-2D15

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
2016-14-08	R 2015-10-03	Airbus	(Regional Jet Series 705); CL-600-2D24 (Regional Jet Series 900); CL-600-2E25 (Regional Jet Series 1000) 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 -642
2016-14-09	R 2014-14-06	Airbus	A318-111 and -112; A319-111, -112, -113, -114, and -115; A320-211, -212, and -214; A321-111, -112, -211, -212, and -213
2016-15-01		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 2016-16			
2016-14-01	COR	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 airplanes
2016-14-10	S 2013-02-02	CFM International, S.A.	CFM56-3, CFM56-3B, and CFM56-3C turbofan engines
2016-15-03		Bombardier Inc.	BD-700-1A10 and BD-700-1A11
2016-15-04		The Boeing Company	757-200 and -200CB series
2016-15-05		Dassault Aviation	FALCON 900EX and FALCON 2000EX
2016-15-06		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11
2016-15-07		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702), CL-600-2D15 (Regional Jet Series 705), CL-600-2D24 (Regional Jet Series 900), CL-600-2E25 (Regional Jet Series 1000)
2016-16-01		Airbus	A330-223F and -243F, A330-201, -202, -203, -223, and -243, A330-301, -302, -303, -321, -322, -323, -341, -342, and -343
2016-16-04		Fokker Services B.V.	F.28 Mark 1000, 2000, 3000, and 4000
2016-16-05		Fokker Services B.V.	F.28 Mark 1000, 2000, 3000, and 4000
2016-16-06		Airbus	A300 B4-603, A300 B4-605R, A300 B4-622R, A310-304, A310-324, and A310-325
Biweekly 2016-17			
2016-16-02		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
2016-16-07	R 2007-21-14 R1	Airbus	A310-203, -204, -221, -222, -304, -322, -324, and -325
2016-16-08		Airbus	A330-201, -202, -203, -223, -243, -223F, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, -213, -311, -312, and -313
2016-16-09	R 2011-10-01	Dassault Aviation	FALCON 7X
2016-16-10		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
2016-16-11	R 2010-10-13	BAE Systems (Operations) Limited	BAe 146-100A, -200A, and -300A series; Avro 146-RJ70A, 146-RJ85A, and 146-RJ100A
2016-16-13	R 2016-13-10	The Boeing Company	737-300, -400, and -500 series
2016-16-14	R 2013-20-11	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
2016-16-15		Bombardier, Inc.	DHC-8-400, -401, and -402
2016-17-02		Dassault Aviation	FALCON 900EX; FALCON 2000EX
2016-17-03`	R 2003-25-07 R 2005-13-39	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

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
Biweekly 2016-18			
2016-17-01	S 2006-18-14	Rolls-Royce Deutschland Ltd & Co	Tay 650-15 and Tay 651-54
2016-17-06		The Boeing Company	767-200 and -300 series
2016-17-09		Bombardier, Inc.	CL-600-2D15 (Regional Jet Series 705) and CL-600-2D24 (Regional Jet Series 900)
2016-17-10		The Boeing Company	777-200, 777-200LR, 777-300, 777-300ER, and 777F series
2016-17-11		The Boeing Company	787-8
2016-17-12		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
2016-17-13		Bombardier, Inc.	CL-600-2C10 (Regional Jet Series 700, 701, & 702)
2016-17-15		Bombardier, Inc	CL-600-2B19 (Regional Jet Series 100 & 440)
2016-17-16		Bombardier, Inc	BD-700-1A10 and BD-700-1A11
2016-17-17		Airbus Defense and Space S.A.	CN-235, CN 235-200, and CN 235-300
2016-18-01		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series
2016-18-02		The Boeing Company	777-200 and -300ER series
2016-18-03		Bombardier, Inc	CL-600-2B19 (Regional Jet Series 100 & 440)
2016-18-04	R 2013-24-12	The Boeing Company	747-8 and 747-8F
2016-18-10		International Aero Engines AG (IAE)	V2522-A5, V2524-A5, V2525-D5, V2527-A5, V2527E-A5, V2527M-A5, V2528-D5, V2530-A5, and V2533-A5
2016-16-01	COR	Airbus	A330-223F and -243F; A330-201, -202, -203, -223, and -243; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343
Biweekly 2016-19			
2016-17-14		Saab AB, Saab Aeronautics	SAAB 2000 airplanes
2016-18-06		The Boeing Company	767-200, -300, and -400ER series
2016-18-08	R 90-11-05	Airbus	A300 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
2016-18-09		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
2016-18-11		Gulfstream Aerospace Corporation	G-1159, G-1159A, G-1159B, G-IV, GV, GIV-X, GV-SP
2016-18-12		Airbus	A300 B4-203 and A300 B4-2C
2016-18-13		Fokker Services B.V.	F28 Mark 0070 and 0100
2016-18-14		ATR–GIE Avions de Transport Régional	ATR42-500, ATR72-212A
2016-18-15		The Boeing Company	737-600, -700, -700C, -800, and -900 series
2016-19-06		Airbus	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
2016-19-07	R 2008-19-08	Dassault Aviation	Falcon 10
Biweekly 2016-20			
2016-18-07	R 2009-15-17	Airbus	A330-223F, -243F, -201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342, and -343; A340-211, -212, -213, -311, -312, and -313
2016-18-16		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series
2016-19-01		Fokker Services B.V.	F28 Mark 0070 and F28 Mark 0100
2016-19-02	R 2005-15-07	Airbus	A320-211, -212, and -231
2016-19-03		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 series
2016-19-04		The Boeing Company	787-8
2016-19-05		International Aero Engines AG	V2500-A1

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
2016-19-09		General Electric Company	GE90-76B, GE90-77B, GE90-85B, GE90-90B, and GE90-94B
2016-19-10	R 2000-10-18	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; A300 C4-605R Variant F; A310-203, -204, -221, -222, -304, -322, -324, and -325
2016-19-11		Bombardier, Inc.	DHC-8-400, -401, and -402
2016-20-05		Saab AB, Saab Aeronautics	SAAB 2000
2016-20-06		Gulfstream Aerospace Corporation	G-1159, G-1159A, G-1159B, and G-IV
Biweekly 2016-21			
2016-19-12		The Boeing Company	747-400, 747-400D, and 747-400F series
2016-19-17	R 2010-23-19	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)
2016-20-14		The Boeing Company	737-600, -700, -700C, -800, -900 and -900ER series
2016-20-15		General Electric Company	GEnx-1B64/P2, -1B67/P2, -1B70/P2, -1B70C/P2, -1B70/75/P2, and -1B74/75/P2 turbofan engines



2016-19-12 The Boeing Company: Amendment 39-18661; Docket No. FAA-2016-3986; Directorate Identifier 2015-NM-147-AD.

(a) Effective Date

This AD is effective November 14, 2016.

(b) Affected ADs

None.

(c) Applicability

This AD applies to The Boeing Company Model 747-400, 747-400D, and 747-400F series airplanes, certificated in any category, as identified in Boeing Special Attention Service Bulletin 747-28-2324, Revision 1, dated July 27, 2015.

(d) Subject

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

(e) Unsafe Condition

This AD was prompted by a determination that a certain fastener type in the fuel tank walls has insufficient bond to the structure, and an electrical wiring short could cause arcing to occur at the ends of fasteners in the fuel tanks. We are issuing this AD to prevent potential ignition sources in the fuel tank in the event of a lightning strike or high-powered short circuit, and consequent fire or explosion.

(f) Compliance

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

(g) Installation/Inspection

Within 60 months after the effective date of this AD, do the actions specified in paragraph (g)(1) or (g)(2) of this AD, as applicable.

(1) For airplanes on which the modification specified in Boeing Special Attention Service Bulletin 747-28-2324, dated November 3, 2014, has not been done as of the effective date of this AD: Install new clamps and polytetrafluoroethylene (TFE) sleeves on the wire bundles of the front spars and rear spars of the wings, in accordance with the Accomplishment Instructions of Boeing Special Attention Service Bulletin 747-28-2324, Revision 1, dated July 27, 2015.

(2) For airplanes on which the modification specified in Boeing Special Attention Service Bulletin 747-28-2324, dated November 3, 2014, has been done as of the effective date of this AD: Do a detailed inspection of the TFE sleeves under the wire bundle clamps for correct installation, and

replace the sleeves if not correctly installed, in accordance with the Accomplishment Instructions of Boeing Special Attention Service Bulletin 747-28-2324, Revision 1, dated July 27, 2015.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Seattle Aircraft Certification Office (ACO), 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 ACO, send it to the attention of the person identified in paragraph (i) of this AD. Information may be emailed to: 9-ANM-Seattle-ACO-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, alteration, or modification required by this AD if it is approved by the Boeing Commercial Airplanes Organization Designation Authorization (ODA) that has been authorized by the Manager, Seattle ACO, to make those findings. For a repair method 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.

(i) Related Information

For more information about this AD, contact Tung Tran, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office (ACO), 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6505; fax: 425-917-6590; email: Tung.Tran@faa.gov.

(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 the AD specifies otherwise.

(i) Boeing Special Attention Service Bulletin 747-28-2324, Revision 1, dated July 27, 2015.

(ii) Reserved.

(3) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Data & Services Management, P. O. Box 3707, MC 2H-65, Seattle, WA 98124-2207; telephone: 206-544-5000, extension 1; fax: 206-766-5680; Internet: <https://www.myboeingfleet.com>.

(4) You may view this referenced service information at the FAA, Transport Airplane Directorate, 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 September 13, 2016.

Michael Kaszycki,
Acting Manager, Transport Airplane Directorate,
Aircraft Certification Service.



2016-19-17 Bombardier, Inc.: Amendment 39-18666; Docket No. FAA-2015-8471; Directorate Identifier 2013-NM-153-AD.

(a) Effective Date

This AD is effective November 17, 2016.

(b) Affected ADs

This AD replaces AD 2010-23-19, Amendment 39-16508 (75 FR 68695, November 9, 2010) ("AD 2010-23-19").

(c) Applicability

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

(1) Model CL-600-2C10 (Regional Jet Series 700, 701, & 702) airplanes, having serial numbers (S/Ns) 10002 through 10333 inclusive.

(2) Model CL-600-2D15 (Regional Jet Series 705) and CL-600-2D24 (Regional Jet Series 900) airplanes, having S/Ns 15001 through 15284 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 32: Landing gear.

(e) Reason

This AD was prompted by reports of the main landing gear (MLG) failing to fully extend. We are issuing this AD to prevent loss of controllability of the airplane during landing.

(f) Compliance

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

(g) Retained Repetitive Inspections and Corrective Actions, With New Service Information and Revised Repair Instructions

(1) This paragraph restates the requirements of paragraph (g) of AD 2010-23-19, with new service information. For airplanes having S/Ns 10003 through 10313 inclusive, 15001 through 15238 inclusive, and 15240 through 15255 inclusive: Within 50 flight cycles after November 24, 2010 (the effective date of AD 2010-23-19), do the inspections specified in paragraphs (g)(1)(i) through (g)(1)(iv) of this AD, in accordance with "PART A—Inspection of the MLG Inboard Doors, MLG Fairing and Adjacent Structure," of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision A, dated October 22, 2010; or Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013; as applicable. As of the effective date of this

AD, use only Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, to accomplish the actions required by this paragraph. Repeat the inspections thereafter at intervals not to exceed 600 flight hours.

(i) Do a detailed inspection for damage (including wear lines, cracks, fraying, tears, and evidence of chafing) of the rubber seal of the MLG fairing.

(ii) Do a detailed inspection for damage (including missing and broken rollers, loose and missing fasteners, and damaged and missing stops) of the MLG inboard doors, and for damage along the edge of the MLG inboard door adjacent to the MLG fairing.

(iii) Do a detailed inspection of the MLG fairing for damage (including missing forward and aft stops, and loose and missing fasteners), and for damage along the edge of the MLG fairing adjacent to the MLG door.

(iv) Do a detailed inspection for damage (including missing stops, loose and missing fasteners, and missing wedges) of the stops and wedges on the forward and aft spars.

(2) This paragraph restates the requirements of paragraph (h) of AD 2010-23-19, with revised service information. For airplanes not identified in paragraph (g)(1) of this AD, excluding the airplane having S/N 10002, and excluding airplanes having MLG fairing seals having part numbers (P/Ns) CC670-39244-5 and CC670-39244-6: Within 600 flight hours after November 24, 2010 (the effective date of AD 2010-23-19), do the inspections specified in paragraphs (g)(2)(i) through (g)(2)(iv) of this AD, in accordance with "PART A–

Inspection of the MLG Inboard Doors, MLG Fairing and Adjacent Structure," of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision A, dated October 22, 2010; or Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. As of the effective date of this AD, use only Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, to accomplish the actions required by this paragraph. Repeat the inspections thereafter at intervals not to exceed 600 flight hours.

(i) Do a detailed inspection for damage (including wear lines, cracks, fraying, tears, and evidence of chafing) of the rubber seal of the MLG fairing.

(ii) Do a detailed inspection for damage (including missing and broken rollers, loose and missing fasteners, and damaged and missing stops) of the MLG inboard doors, and for damage along the edge of the MLG inboard door adjacent to the MLG fairing.

(iii) Do a detailed inspection of the MLG fairing for damage (including missing forward and aft stops, and loose and missing fasteners), and for damage along the edge of the MLG fairing adjacent to the MLG door.

(iv) Do a detailed inspection for damage (including missing stops, loose and missing fasteners, and missing wedges) of the stops and wedges on the forward and aft spars.

(3) This paragraph restates the requirements of paragraph (i) of AD 2010-23-19, with revised service information. If damage to only the rubber seal on the MLG fairing is found during any inspection required by paragraph (g)(1) or (g)(2) of this AD, before further flight, do either action specified in paragraph (g)(3)(i) or (g)(3)(ii) of this AD.

(i) Replace the rubber seal on the MLG fairing with a new rubber seal, in accordance with "PART B–Replacement of the Forward Rubber Seal on the MLG Fairing," of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision A, dated October 22, 2010; or the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. As of the effective date of this AD, use only Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, to accomplish the actions required by this paragraph.

(ii) Remove the MLG inboard door, in accordance with "PART C–Removal of MLG Inboard Door," of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision A, dated October 22, 2010; or Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. For airplanes on which the MLG inboard door is re-installed, do the installation of the MLG inboard door in accordance with "PART D–Installation of MLG Inboard Door," of the Accomplishment Instructions of Bombardier Alert Service Bulletin

A670BA-32-030, Revision A, dated October 22, 2010; or Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. As of the effective date of this AD, use only Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, to accomplish the actions required by this paragraph.

(4) This paragraph restates the requirements of paragraph (j) of AD 2010-23-19, with revised repair instructions. If damage other than the damage identified in paragraph (g)(3) of this AD is found during any inspection required by paragraph (g)(1) or (g)(2) of this AD, before further flight, contact the Bombardier Regional Aircraft Customer Response Center for repair instructions and do the repair; or repair using a method approved by the Manager, New York Aircraft Certification Office (ACO), ANE-170, FAA; or Transport Canada Civil Aviation (TCCA); or Bombardier, Inc.'s TCCA Design Approval Organization (DAO). As of the effective date of this AD, if damage other than the damage identified in paragraph (g)(3) of this AD is found during any inspection required by paragraph (g)(1) or (g)(2) of this AD, before further flight, repair using a method approved by the Manager, New York Aircraft Certification Office (ACO), ANE-170, FAA; or TCCA; or Bombardier, Inc.'s TCCA DAO.

(h) New Inspections of MLG Fairing Seal Having P/N CC670-39244-1 or CC670-39244-2

For airplanes on which an MLG fairing seal having P/N CC670-39244-1 or P/N CC670-39244-2 is installed: At the applicable time specified in paragraph (i)(1) of this AD, do the inspections specified in paragraphs (h)(1) through (h)(4) of this AD, in accordance with the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, except as specified in paragraph (o) of this AD. Repeat the inspections thereafter at the time specified in paragraph (i)(2) of this AD.

(1) Do a detailed inspection for damage (including cracking, cuts, and tears in the material (fabric/rubber)) of the MLG fairing and seal.

(2) Do a detailed inspection for damage (including missing and broken rollers, loose and missing fasteners, and damaged and missing stops) of the MLG inboard doors, and for damage along the edge of the MLG inboard door adjacent to the MLG fairing.

(3) Do a detailed inspection of the MLG fairing for damage (including missing forward and aft stops, and loose and missing fasteners), and for damage (including, but not limited to, corrosion, cracking, and dents) along the edge of the MLG fairing adjacent to the MLG door.

(4) Do a detailed inspection for damage (including missing stops, loose and missing fasteners, and missing wedges) of the stops and wedges on the forward and aft spars.

(i) New Compliance Times for the Actions Required by Paragraph (h) of This AD

This paragraph specifies the compliance times for the actions required by paragraph (h) of this AD.

(1) The initial compliance time is specified in paragraphs (i)(1)(i) and (i)(1)(ii) of this AD.

(i) For airplanes having S/Ns 10002 through 10313 inclusive; 15001 through 15238 inclusive; and S/Ns 15240 through 15255 inclusive: Within 50 flight cycles after the effective date of this AD.

(ii) For all other airplane serial numbers: Within 600 flight hours after the effective date of this AD.

(2) Repeat the inspections specified in paragraph (h) of this AD at the earlier of the times specified in paragraphs (i)(2)(i) and (i)(2)(ii) of this AD.

(i) Repeat the inspections within 200 flight hours after the effective date of this AD. Repeat the inspections thereafter at intervals not to exceed 200 flight hours.

(ii) Repeat the inspections within 600 flight hours after the most recent inspection done in accordance with the requirements of AD 2010-23-19. Repeat the inspections thereafter at intervals not to exceed 200 flight hours.

(j) New Corrective Actions

(1) If any damage to the MLG fairing seal is found during any inspection required by paragraph (h) of this AD: Before further flight, do the actions specified in paragraph (j)(1)(i) or (j)(1)(ii) of this AD, except as specified in paragraph (o) of this AD.

(i) Before further flight, remove the MLG inboard doors, in accordance with Part C of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. For airplanes on which the MLG inboard door is re-installed, do the installation of the MLG inboard door in accordance with Part D of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013.

(ii) Before further flight, replace the MLG fairing seals, in accordance with Part E of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. Within 200 flight hours after installing the MLG fairing seals, do the actions required by paragraph (h) of this AD.

(2) If any damage other than that specified in paragraph (j)(1) of this AD is found, or if parts or fasteners are found missing, during any inspection required by paragraph (h) of this AD, before further flight, repair using a method approved by the Manager, New York ACO, ANE-170, FAA; or TCCA; or Bombardier, Inc.'s TCCA DAO.

(k) New Replacement of MLG Fairing Seals

Within 2,500 flight hours or 12 months, whichever occurs first, after the effective date of this AD: Replace any MLG fairing seals having P/Ns CC670-39244-1 and CC670-39244-2 with P/Ns CC670-39244-5 and CC670-39244-6, respectively, in accordance with Part E of the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, except as specified in paragraph (o) of this AD.

(l) New MLG Fairing Seal Post-Replacement Inspections

Within 600 flight hours after installing fairing seals having P/Ns CC670-39244-5 or CC670-39244-6: Do the inspections specified in paragraphs (h)(1) through (h)(4) of this AD, in accordance with the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. If any damage to the MLG fairing seal is found during any inspection required by this paragraph: Before further flight, do the applicable actions specified in paragraph (j)(1) or (j)(2) of this AD. If no damage is found during any inspection required by this paragraph, repeat the inspections specified in paragraphs (h)(1) through (h)(4) of this AD thereafter at intervals not to exceed 600 flight hours, except as provided in paragraph (m) of this AD.

(m) New Exception to MLG Fairing Seal Post-Replacement Inspections

After accomplishment of the initial inspections specified in paragraph (l) of this AD, removal of the MLG inboard door, in accordance with the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, defers the repetitive inspections required by paragraph (l) of this AD until the MLG inboard door is re-installed. For airplanes on which the MLG inboard door is re-installed, do the installation of the MLG inboard door in accordance with the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013, except as specified in paragraph (o) of this AD; and before the accumulation of 600 flight hours on the MLG inboard door since the actions required by paragraph (k) of this AD were accomplished, do the inspections specified in paragraph (l) of this AD, and repeat the inspections thereafter at the applicable time specified in paragraph (l) of this AD.

(n) New Terminating Modification

Within 6,600 flight hours or 36 months, whichever occurs first after the effective date of this AD: Modify the airplane by increasing the clearance between the left and right MLG fairings and the left and right MLG doors; and do all applicable related investigative and corrective actions; in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 670BA-32-040, Revision F, dated February 11, 2016, including Appendix A, Revision A, and Appendix B, Revision B, both dated July 12, 2014, except as provided by paragraph (o) of this AD. Do all applicable related investigative and corrective actions before further flight. If an MLG door has been removed, the modification may be delayed until the MLG door is re-installed in accordance with the Accomplishment Instructions of Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013. Accomplishing this modification terminates the requirements of paragraphs (g) through (m) of this AD for that MLG door.

(o) Exceptions to Bombardier Service Information

Where Bombardier Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013; and Bombardier Service Bulletin 670BA-32-040, Revision F, dated February 11, 2016, including Appendix A, Revision A, and Appendix B, Revision B, dated July 12, 2014; specify to contact the Bombardier Customer Response Center for an analysis or to get an approved disposition, repair using a method approved by the Manager, New York ACO, ANE-170, FAA; or TCCA; or Bombardier, Inc.'s TCCA DAO.

(p) Credit for Previous Actions

(1) This paragraph restates the provisions of paragraph (l) of AD 2010-23-19, with additional service information. This paragraph provides credit for the actions required by paragraph (g) of this AD, if those actions were performed before November 24, 2010 (the effective date of AD 2010-23-19), using Bombardier Alert Service Bulletin A670BA-32-030, dated October 18, 2010; or Bombardier Alert Service Bulletin A670BA-32-030, Revision A, dated October 22, 2010.

(2) This paragraph provides credit for the corresponding actions required by paragraphs (g)(1), (g)(2), (g)(3)(i), (g)(3)(ii), (h), (j)(1), (k), (l), (m), and (n) of this AD, if those actions were performed before the effective date of this AD using the service information specified in paragraph (p)(2)(i), (p)(2)(ii), or (p)(2)(iii) of this AD.

(i) Bombardier Alert Service Bulletin A670BA-32-030, Revision A, including Appendix A, dated October 22, 2010.

(ii) Bombardier Alert Service Bulletin A670BA-32-030, Revision B, dated November 3, 2011.

(iii) Bombardier Alert Service Bulletin A670BA-32-030, Revision C, dated March 13, 2013.

(3) This paragraph provides credit for the corresponding actions required by paragraph (n) of this AD, if those actions were performed before the effective date of this AD using the service information specified in paragraph (p)(3)(i), (p)(3)(ii), (p)(3)(iii), (p)(3)(iv), or (p)(3)(v) of this AD.

(i) Bombardier Service Bulletin 670BA-32-040, Revision A, dated March 13, 2013.

(ii) Bombardier Service Bulletin 670BA-32-040, Revision B, dated August 6, 2013.

(iii) Bombardier Service Bulletin 670BA-32-040, Revision C, dated November 1, 2013.

(iv) Bombardier Service Bulletin 670BA-32-040, Revision D, dated July 2, 2014.

(v) Bombardier Service Bulletin 670BA-32-040, Revision E, dated November 13, 2014.

(q) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, New York ACO, ANE-170, 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 ACO, send it to ATTN: Program Manager, Continuing Operational Safety, FAA, New York ACO, 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: As of the effective date of this AD, 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, ANE-170, FAA; or TCCA; or Bombardier, Inc.'s TCCA DAO. If approved by the DAO, the approval must include the DAO-authorized signature.

(r) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian Airworthiness Directive CF-2010-36R1, dated July 18, 2013, 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-2015-8471.

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

(s) 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 Alert Service Bulletin A670BA-32-030, Revision D, dated August 6, 2013.

(ii) Bombardier Service Bulletin 670BA-32-040, Revision F, dated February 11, 2016, including the following appendices.

(A) Appendix A, Revision A, dated July 12, 2014.

(B) Appendix B, Revision B, dated July 12, 2014.

(3) For service information identified in this AD, contact Bombardier, Inc., 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; telephone 514-855-5000; fax 514-855-7401; email thd.crj@aero.bombardier.com; Internet <http://www.bombardier.com>.

(4) You may view this service information at the FAA, Transport Airplane Directorate, 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 September 14, 2016.

Michael Kaszycki,
Acting Manager, Transport Airplane Directorate,
Aircraft Certification Service.



2016-20-14 The Boeing Company: Amendment 39-18680; FAA-2016-5042; Directorate Identifier 2015-NM-140-AD.

(a) Effective Date

This AD is effective November 15, 2016.

(b) Affected ADs

None.

(c) Applicability

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

(2) Installation of Supplemental Type Certificate (STC) ST00830SE (http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgSTC.nsf/0/38B606833BBD98B386257FAA00602538?OpenDocument&Highlight=st00830se) does not affect the ability to accomplish the actions required by this AD. Therefore, for airplanes on which STC ST00830SE 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 an evaluation by the design approval holder indicating that certain fastener locations in the window corner surround structure are subject to widespread fatigue damage. We are issuing this AD to detect and correct fatigue cracking around certain fastener locations that could cause multiple window corner skin cracks, which could result in rapid decompression and consequent loss of structural integrity of the airplane.

(f) Compliance

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

(g) Repetitive Inspections and Repair

At the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1351, dated July 8, 2015: Do an external high frequency eddy current (HFEC) inspection for cracking of the skin around the fastener locations at the upper forward and lower aft corners of each window between station (STA) 360 and STA 540, as applicable, and at the lower forward and upper aft corners of each window between STA 727 and STA 887, in accordance with

the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1351, dated July 8, 2015. Repeat the inspection thereafter at the applicable times specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1351, dated July 8, 2015. If any crack is found during any inspection, repair before further flight using a method approved in accordance with the procedures specified in paragraph (i) of this AD.

(h) Exception to the Service Bulletin Specifications

Although Boeing Alert Service Bulletin 737-53A1351, dated July 8, 2015, specifies to contact Boeing for repair instructions, and specifies that action as "RC" (Required for Compliance), this AD requires repair before further flight using a method approved in accordance with the procedures specified in paragraph (i) of this AD.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Seattle Aircraft Certification Office (ACO), 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 ACO, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-ANM-Seattle-ACO-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, Seattle ACO, 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) of this AD: For service information that contains steps that are labeled as RC, the provisions of paragraphs (i)(4)(i) and (i)(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.

(j) Related Information

For more information about this AD, contact Gaetano Settineri, Aerospace Engineer, Airframe Branch, ANM-120S, FAA, Seattle ACO, 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6577; fax: 425-917-6590; email: gaetano.settineri@faa.gov.

(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 the AD specifies otherwise.

(i) Boeing Alert Service Bulletin 737-53A1351, dated July 8, 2015.

(ii) Reserved.

(3) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Data & Services Management, P.O. Box 3707, MC 2H-65, Seattle, WA 98124-2207; telephone: 206-544-5000, extension 1; fax: 206-766-5680; Internet: <https://www.myboeingfleet.com>.

(4) You may view this service information at FAA, Transport Airplane Directorate, 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 September 28, 2016.

Dionne Palermo,
Acting Manager, Transport Airplane Directorate,
Aircraft Certification Service.



2016-20-15 General Electric Company: Amendment 39-18681; Docket No. FAA-2016-5872; Directorate Identifier 2016-NE-11-AD.

(a) Effective Date

This AD is effective November 18, 2016.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all General Electric Company (GE) GEnx-1B64/P2, -1B67/P2, -1B70/P2, -1B70C/P2, -1B70/75/P2, and -1B74/75/P2 turbofan engines with engine assembly, part number (P/N) 2447M10G01 or P/N 2447M10G02, installed.

(d) Unsafe Condition

This AD was prompted by a report of a significant fan rub event. We are issuing this AD to prevent failure of the fan blades and the load reduction device, loss of power to one or more engines, loss of thrust control, and loss of the airplane.

(e) Compliance

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

(1) Modify the fan stator module assembly, with one of the following methods, before December 31, 2016.

(i) Use paragraphs 3.B.(1) through 3.B.(6) or 3.C.(1) through 3.C.(6) of the Accomplishment Instructions of GE GEnx-1B Service Bulletin (SB) 72-0314 R00, dated April 1, 2016, to do the modification.

(ii) Use paragraphs 3.B.(1) through 3.B.(6) or 3.C.(1) through 3.C.(6) of the Accomplishment Instructions of GE GEnx-1B SB 72-0309 R00, dated March 11, 2016, to do the modification.

(iii) Use paragraph 3.A. of the Accomplishment Instructions of GE GEnx-1B SB 72-0317 R00, dated June 29, 2016, to do the modification.

(2) Reserved.

(f) Terminating Action

Compliance with this AD constitutes terminating action for AD 2016-06-08, Amendment 39-18439 (81 FR 14704, March 18, 2016) ("AD 2016-06-08") and AD 2016-08-12, Amendment 39-18488 (81 FR 23581, April 22, 2016) ("AD 2016-08-12"), provided that all of the airplanes within the operator's fleet that have engines identified in paragraph (c) of this AD are modified as specified in paragraph (e) of this AD. After fleet incorporation of this AD, do not install any engine listed in

paragraph (c) of this AD unless the engine is modified as specified in paragraph (e) of this AD, or AD 2016-06-08, or AD 2016-08-12.

(g) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, FAA, may approve AMOCs to this AD. Use the procedures found in 14 CFR 39.19 to make your request. You may email your request to: ANE-AD-AMOC@faa.gov.

(h) Related Information

(1) For more information about this AD, contact Christopher McGuire, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7120; fax: 781-238-7199; email: chris.mcguire@faa.gov.

(2) AD 2016-06-08 and AD 2016-08-12 pertain to the subject of this AD.

(i) 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) General Electric Company (GE) GEnx-1B Service Bulletin (SB) 72-0309 R00, dated March 11, 2016.

(ii) GE GEnx-1B SB 72-0314 R00, dated April 1, 2016.

(iii) GE GEnx-1B SB 72-0317 R00, dated June 29, 2016.

(3) For GE service information identified in this AD, contact General Electric Company, GE Aviation, Room 285, 1 Neumann Way, Cincinnati, OH 45215; phone: 513-552-3272; email: aviation.fleetsupport@ge.com.

(4) You may view this service information at FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(5) You may view this service information at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on September 30, 2016.

Colleen M. D'Alessandro,
Manager, Engine & Propeller Directorate,
Aircraft Certification Service.