

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

LARGE AIRCRAFT

BIWEEKLY 2020-25

11/23/2020 - 12/6/2020



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

AD No.	Information	Manufacturer	Applicability
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Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects

Biweekly 2020-01

2019-23-04		The Boeing Company	727, 727-100, 727C, 727-100C, 727-200, and 727-200F
2019-23-16		The Boeing Company	737-100, -200, -200C, -300, -400, and -500
2019-24-12		De Havilland Aircraft of Canada Limited	DHC-8-401 and -402
2019-24-13		Airbus SAS	A318-111, -112, -121, and -122, A319-111, -112, -113, -114, -115, -131, -132, and -133, A320-211, -212, -214, -216, -231, -232, and -233, A321-111, -112, -131, -211, -212, -213, -231, and -232
2019-24-14		328 Support Services GmbH	328-100
2019-24-15		The Boeing Company	737-900ER
2019-24-16	R 2017-16-08	Embraer S.A	ERJ 190-100 STD, -100 LR, -100 ECJ, and -100 IGW, ERJ 190-200 STD, -200 LR, and -200 IGW
2019-24-18		The Boeing Company	727, 727C, 727-100, 727-100C, 727-200, and 727-200F, 757-200, -200PF, -200CB, and -300, 767-200, -300, -300F, and -400ER
2019-25-13		Engine Alliance	GP7270 and GP7277
2019-25-17		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER

Biweekly 2020-02

2019-22-07		Bombardier, Inc	CL-600-2B19 (Regional Jet Series 100 & 440), CL-600-2C10 (Regional Jet Series 700, 701 & 702), CL-600-2D15 (Regional Jet Series 705), Model CL-600-2D24 (Regional Jet Series 900), Model CL-600-2E25 (Regional Jet Series 1000)
2019-23-14		The Boeing Company	37-100, -200, -200C, -300, -400, and -500
2019-24-01		Airbus SAS	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, -231, -212, -213, and -232, A330-201, -202, -203, -223, -223F, -243, and -243F, A340-211, -212, -213, -311, -312, -313, -541, and -642
2019-25-10		Fokker Services B.V	F28 Mark 0070 and 0100
2019-25-11		Viking Air Limited	CL-215-1A10, CL-215-6B11 (CL-215T Variant)
2019-25-12	R 2016-18-02	The Boeing Company	777-200 and -300ER
2019-25-14		The Boeing Company	777-300ER and 777F
2019-25-15		Fokker Services B.V	F28 Mark 0100
2019-25-16	R 2017-06-08	Embraer S.A	ERJ 170-100 LR, -100 STD, -100 SE, and -100 SU airplanes; and Model ERJ 170-200 LR, -200 SU, -200 STD, and -200 LL
2019-25-18		Bombardier, Inc	CL-600-2B19 (Regional Jet Series 100 & 440)
2019-25-19		Airbus SAS	A350-941
2020-01-11	R 2017-12-07	The Boeing Company	737-800, -900, and -900ER
2020-01-55	E	General Electric Company	GE90-110B1 and GE90-115B

Biweekly 2020-03

2019-25-20		Lockheed Martin Corporation/Lockheed Martin Aeronautics Company	382, 382B, 382E, 382F, and 382G; C-130A, C-130B, C-130BL, C-130E, C-130H, C-130H-30, C-130J, C-130J-30, EC-130Q, HC-130H, KC-130H, NC-130B, NC-130, and WC-130H airplanes
2019-25-55		The Boeing Company	737-300, -400, and -700 series airplanes
2019-26-01		Airbus SAS	A350-941 and -1041 airplanes
2020-01-12	A 2017-16-12	Airbus SAS	A318, A319, A320, A321 airplanes
2020-01-13	R 2018-19-26	Dassault Aviation	MYSTERE-FALCON 200 airplanes
2020-01-14	A 2010-26-05	Airbus SAS	A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes
2020-01-17		Airbus SAS	A318, A319, A320, A321 airplanes
2020-01-18	R 2006-11-11	The Boeing Company	757-200, -200PF, -200CB, and -300 series airplanes

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Biweekly 2020-04			
2019-26-10		Bombardier, Inc.	CL-600-2C10, -2D15, -2D25, -2E25 airplanes
2019-26-11		Airbus SAS	A319, A320, A321 airplanes
2020-01-10		Airbus SAS	A350-941 airplanes
2020-01-15		Airbus SAS	A300, A310 airplanes
2020-01-16	A 2014-25-52	Airbus SAS	A330, A340 airplanes
2020-01-55		General Electric Company	GE90-110B1 and GE90-115B model turbofan engines
2020-02-10		De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402 airplanes
2020-02-12	R 2017-15-04	The Boeing Company	787 series airplanes
2020-02-13	R 2019-03-14 A 2010-26-05	Dassault Aviation	FAN JET FALCON, FAN JET FALCON SERIES C, D, E, F, and G airplanes
2020-02-14		Airbus SAS	A350-941 and -1041 airplanes
2020-02-15		Bombardier, Inc.	BD-700-1A10, BD-700-1A11 airplanes
2020-02-16		The Boeing Company	737-200, -200C, -300, -400, and -500 series airplanes
2020-02-18		Gulfstream Aerospace Corporation	GVI, GVII-G500, and GVII-G600 airplanes
2020-02-19	R 2003-09-04 R1	Bombardier, Inc.	CL-600-2B19 airplanes
2020-02-20	R 2014-24-07	Airbus SAS	A318, A319, A320, A321 airplanes
2020-02-21	R 2014-03-12 R 2018-19-25 A 2010-26-05	Dassault Aviation	FALCON 2000 airplanes
2020-02-22		Airbus SAS	A300, A310 airplanes
2020-03-11		The Boeing Company	707-100 long body, -200, -100B long body, -100B short body, -300, -300B, -300C, and -400 series; and 720 and 720B series airplanes
2020-03-12		Airbus SAS	A350-941 and -1041 airplanes
Biweekly 2020-05			
2020-01-18	COR R 2006-11-11	The Boeing Company	757-200, -200PF, -200CB, and -300 series airplanes
2020-02-19	COR R 2003-09-04 R1	Bombardier, Inc.	CL-600-2B19 (Regional Jet series 100 & 440) airplanes
2020-03-10		The Boeing Company	737 series, except for 737-100, -200, -200C, -300, -400, and -500 series airplanes
2020-03-14		Airbus SAS	A350-941 and -1041 airplanes
2020-03-15		Airbus SAS	A321-211, -212, -213, -231, and -232 airplanes
2020-03-17	R 2015-24-04	Bombardier, Inc.	CL-600-2B19, -2C10, -2D15, -2D25, -2E25 airplanes
2020-03-18	R 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
2020-03-19	A 2010-26-05	Dassault Aviation	MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes
2020-03-20		The Boeing Company	MD-11, MD-11F, 717-200, 737-8, 737-9, 737-600, -700, -700C, -800, -900, and -900ER; 747-400 and 747-400F; 757-200, -200PF, -200CB, and -300; 767-200, -300, -300F, -400ER, and -2C; 777-200, -200LR, -300, and -300ER; 777F series airplanes
2020-03-21		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11 airplanes
2020-03-22		The Boeing Company	787-8 airplanes
2020-03-23		Bombardier, Inc.	CL-600-2B19
2020-03-24	A 2010-26-05	Dassault Aviation	MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes
2020-04-01		Pratt & Whitney	PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A model turbofan engines
Biweekly 2020-06			
2020-04-10	A 2011-03-10	Airbus SAS	A330 airplanes
2020-04-11		The Boeing Company	747-400 series airplanes
2020-04-12	R 2012-22-05 R 2018-19-03	Fokker Services B.V.	F28 Mark 0070 and 0100 airplanes
2020-04-18		Airbus SAS	A330-941 airplanes

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AD No.	Information	Manufacturer	Applicability
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2020-05-01		Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-AE3, Trent 1000-CE3, Trent 1000-D3, Trent 1000-G3, Trent 1000-H3, Trent 1000-J3, Trent 1000-K3, Trent 1000-L3, Trent 1000-M3, Trent 1000-N3, Trent 1000-P3, Trent 1000-Q3, and Trent 1000-R3 model turbofan engines
2020-05-10		Dassault Aviation	FALCON 7X airplanes
2020-05-12		Gulfstream Aerospace Corporation	GVII-G500 and GVII-G600 airplanes
2020-05-13		Airbus Canada Limited Partnership	BD-500-1A11 airplanes
2020-05-14		Airbus SAS	A320-214, -232, -271N; A321-231 airplanes
2020-05-18		Airbus SAS	A350-941 and -1041 airplanes
2020-06-01	R 2018-25-09 R 2019-12-01	CFM International, S.A.	LEAP-1B21, -1B23, -1B25, -1B27, -1B28, -1B28B1, -1B28B2, -1B28B3, -1B28B2C, -1B28BBJ1, and -1B28BBJ2 model turbofan engines
Biweekly 2020-07			
2020-04-19	R 2017-15-01	The Boeing Company	777-200, -200LR, -300, -300ER, and 777F series airplanes
2020-05-13		Airbus Canada Limited Partnership	BD-500-1A11 airplanes
2020-05-14		Airbus SAS	A320-214, -232, -271N; A321-231 airplanes
2020-05-15		Airbus SAS	A319-131, -132, -133; A320-231, -232, -233; and A321-131, -231, -232 airplanes
2020-05-16		Airbus SAS	A319-115; A320-214, -216, -232, -251N, -271N; and A321-211, -231, -251N, -251NX, -253N, -271N, -271NX, -272N airplanes
2020-05-17		Airbus SAS	A318-112, A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A320-211, A320-212, A320-214, A320-216, A320-231, A320-232, A320-233, A320-251N, and A320-271N airplanes
2020-05-18		Airbus SAS	A350-941 and -1041 airplanes
2020-05-19		Airbus SAS	A319-112, -115, -132; and A320-214, -216, -232 -233 airplanes
2020-05-21		Yaborã Indústria Aeronáutica S.A.	ERJ 190-100 STD, -100 LR, -100 ECJ, -100 IGW, -200 STD, -200 LR, and -200 IGW airplanes
2020-05-22		Yaborã Indústria Aeronáutica S.A.	ERJ 170-100 LR, -100 STD, -100 SE, -100 SU; and ERJ 170-200 LR, -200 SU, -200 STD, -200 LL airplanes
2020-05-24	R 2010-26-01	The Boeing Company	777-200 series airplanes
2020-05-28	R 2019-11-08	International Aero Engines LLC	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1129G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM turbofan engines
2020-06-02		International Aero Engines LLC	PW1122G-JM, PW1124G1-JM, PW1124G-JM, PW1127GA-JM, PW1127G1-JM, PW1127G-JM, PW1133G-JM, PW1133GA-JM, PW1130G-JM, and PW1129G-JM turbofan engines
2020-06-14		The Boeing Company	787-8, 787-9, and 787-10 airplanes
2020-07-51	E	International Aero Engines AG	V2522-A5, V2524-A5, V2525-D5, V2527-A5, V2527E-A5, V2527M-A5, V2528-D5, V2530-A5, and V2533-A5 turbofan engines
Biweekly 2020-08			
2020-04-15		The Boeing Company	757-200, -200PF, -200CB, and -300 series; 767-200, -300, and -300F series airplanes
2020-04-16		Yaborã Indústria Aeronáutica S.A.	ERJ 190-100 STD, -100 LR, -100 IGW, -200 STD, -200 LR, and -200 IGW airplanes
2020-04-17		Airbus SAS Model	A350-941 and -1041 airplanes
2020-04-20		De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402 airplanes
2020-04-22	R 2018-19-27 R 2014-16-12 A 2010-26-05	Dassault Aviation	FALCON 2000EX airplanes
2020-05-25		The Boeing Company	757-200, -200PF, -200CB, and -300 series airplanes
2020-05-26		The Boeing Company	787-8 airplanes

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2020-05-27 2020-06-10		Bombardier, Inc. Airbus SAS	BD-700-1A10 and BD-700-1A11 airplanes A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -216, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232 airplanes
2020-06-15 2020-06-16	R 2017-03-02	Fokker Services B.V. Rolls-Royce Deutschland Ltd. & Co. KG	F28 Mark 0100 airplanes RB211 Trent 768-60, 772-60, and 772B-60 turbofan engines
2020-06-17	R 2011-09-06	Airbus SAS	A330-223F and -243F; A330-201, -202, -203, -223, and -243; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343; A330-941; A340-211, -212, and -213; A340-311, -312, and -313; A340-541 and -642 airplanes
2020-06-18		Airbus SAS	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N, and -171N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, and -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -251NX, -252N, -252NX, -253N, -253NX, -271N, -271NX, -272N, and -272NX airplanes
2020-07-02		Pratt & Whitney	PW1519G, PW1521G, PW1521G-3, PW1521GA, PW1524G, PW1524G-3, PW1525G, and PW1525G-3 turbofan engines
2020-07-10 2020-08-01		Airbus SAS General Electric Company	A320-271N; A321-271N, -271NX, and -272N airplanes CF34-1A, CF34-3A, CF34-3A1, CF34-3A2, CF34-3B, and CF34-3B1 turbofan engines
Biweekly 2020-09			
2020-07-11		ATR–GIE Avions de Transport Regional	ATR42-200, -300, -320, and -500; ATR72-101, -102, -201, -202, -211, -212, and -212A
2020-07-12		ATR–GIE Avions de Transport Regional	ATR42-500
2020-07-13 2020-07-14		Bombardier, Inc The Boeing Company	BD-100-1A10 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
2020-07-16	R 2016-16-09 R 2019-03-20 A 2014-16-23	Dassault Aviation	FALCON 7X
2020-07-17 2020-07-18	R 2017-05-12	Saab AB, Support and Services Airbus SAS	SAAB 2000 A318-112; A319-111, -112, -115, -132, and -133; A320-214, -216, -232, and -233; A321-211, -212, -213, -231, and -232
2020-07-19		ATR–GIE Avions de Transport Regional	ATR72-101, -102, -201, -202, -211, -212, and -212A
2020-07-20	R 2004-06-01 R 2009-06-09 A 2008-17-01 R1 A 2012-01-08	Support Services GmbH	328-100
2020-07-21		Yabora Industria Aeronautica S.A.	ERJ 170-100 LR, -100 STD, -100 SE, and -100 SU; ERJ 170-200 LR, -200 SU, -200 STD, and -200 LL; ERJ 190-100 STD, -100 LR, -100 ECJ, -100 IGW, -200 STD, -200 LR, and -200 IGW
2020-07-51		International Aero Engines AG	V2522-A5, V2524-A5, V2525-D5, V2527-A5, V2527E-A5, V2527M-A5, V2528-D5, V2530-A5, and V2533-A5
2020-08-02		Thales AVS France SAS	Global Positioning System/Satellite Based Augmentation System receivers
2020-08-03	R 2008-22-24	Rolls-Royce Deutschland Ltd & Co KG	RB211-535E4-37, RB211-535E4-B-37, RB211-535E4-C-37, and RB-211-535E4-B-75
2020-08-04		International Aero Engines LLC	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1129G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM
2020-09-03		International Aero Engines AG	V2500-A1, V2522-A5, V2524-A5, V2525-D5, V2527-A5, V2527E-A5, V2527M-A5, V2528-D5, V2530-A5, V2531-E5, and V2533-A5

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Biweekly 2020-10

2020-08-11		Yabora Industria Aeronautica S.A.	ERJ 190-300 and ERJ 190-400
2020-08-12		The Boeing Company	747-8 and 747-8F series
2020-08-13		Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440); CL-600-2C10 (Regional Jet Series 700, 701 & 702); CL-600-2D15 (Regional Jet Series 705), and CL-600-2D24 (Regional Jet Series 900)

Biweekly 2020-11

2020-06-19		The Boeing Company	727, 727C, 727-100, 727-100C, 727-200, and 727-200F series
2020-09-10	R 2018-25-04	Airbus Canada Limited Partnership	BD-500-1A10; BD-500-1A11
2020-09-11	R 2017-06-06 R 2019-12-10 A 2012-12-07	Fokker Services B.V.	F28 Mark 0070 and 0100
2020-09-12		De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402 series
2020-09-13	A 2009-01-06 R1 A 2012-01-08	328 Support Services GmbH	328-300
2020-09-14	R 2020-03-12	Airbus SAS	A350-941 and -1041
2020-09-16	R 2000-17-09 R 2008-04-19 R1 R 2015-26-09 A 2018-18-05	ATR-GIE Avions de Transport Regional	ATR42-200, -300, and -320
2020-10-04		General Electric Company	GE90-110B1 and GE90-115B
2020-10-05		Rockwell Collins, Inc.	Flight Management Systems
2020-10-10	R 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)
2020-11-04		Learjet Inc.	60

Biweekly 2020-12

2020-11-11		The Boeing Company	777-200, -200LR, -300, -300ER, and 777F series
2020-12-03		Rolls-Royce Deutschland Ltd & Co KG	Trent XWB-97

Biweekly 2020-13

2020-11-10		Bombardier, Inc.	BD-100-1A10
2020-11-13	R 2010-23-04	De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402
2020-11-14		Bombardier, Inc.	BD-100-1A10
2020-12-01		Rolls-Royce Deutschland Ltd & Co KG	Trent XWB-75, XWB-79, XWB-79B, and XWB-84
2020-12-06		Gulfstream Aerospace Corporation	G-IV
2020-13-04	R 2017-09-06	General Electric Company	GENx-1B and GENx-2B

Biweekly 2020-14

2020-11-01		Gulfstream Aerospace Corporation	GVI
2020-11-12		The Boeing Company	737-8 and 737-9
2020-13-06		Pratt & Whitney Canada Corp.	PW150A
2020-13-07		Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-D2, Trent 1000-J2, and Trent 1000-K2
2020-14-02		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

Biweekly 2020-15

2020-12-11		Airbus SAS	A319-111, -112, -113, -114, -115, -151N, -153N; A320-251N, -252N, -253N, -271N, -272N, -273N; A321-251N, -
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2020-12-12		Yabora Industria Aeronautica S.A.	251NX, -252N, -252NX, -253N, -253NX, -271N, -271NX, -272N, and -272NX ERJ 170-100 LR, -100 STD, -100 SE, -100 SU, -200 LR, -200 SU, -200 STD, and -200 LL; ERJ 190-100 STD, -100 LR, -100 ECJ, -100 IGW, -200 STD, -200 LR, and -200 IGW
2020-12-15		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11
2020-13-08	R 2005-23-09	General Electric Company	CF6-80E1A1, -80E1A2, -80E1A3, -80E1A4, and -80E1A4/B
2020-14-04		Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-A, Trent 1000-AE, Trent 1000-C, Trent 1000-CE, Trent 1000-D, Trent 1000-E, Trent 1000-G, and Trent 1000-H
2020-14-09		The Boeing Company	737-8 and 737-9
Biweekly 2020-16			
2020-14-03		The Boeing Company	737-300, -400, and -500 series
2020-14-05		Airbus SAS	A319-111, -112, -113, -114, -115, -131, -132, and -133
2020-14-08		Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N, -171N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -251NX, -252N, -252NX, -253N, -253NX, -271N, -271NX, -272N, and -272NX
2020-15-02		Gulfstream Aerospace LP	G280
2020-15-03	R 2016-07-13	GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, and M601F
2020-15-04	R 2018-03-22	GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601F, H75-100, H75-200, H80, H80-100, H80-200, H85-100, and H85-200
2020-15-07		Rolls-Royce Deutschland Ltd & Co KG	RB211-524G2-19, RB211-524G2-T-19, RB211-524G3-19, RB211-524G3-T-19, RB211-524H2-19, RB211-524H2-T-19, RB211-524H-36 and RB211-524H-T-36
2020-15-08		Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-A, Trent 1000-A2, Trent 1000-AE, Trent 1000-AE2, Trent 1000-C, Trent 1000-C2, Trent 1000-CE, Trent 1000-CE2, Trent 1000-D, Trent 1000-D2, Trent 1000-E, Trent 1000-E2, Trent 1000-G, Trent 1000-G2, Trent 1000-H, Trent 1000-H2, Trent 1000-J2, Trent 1000-K2, and Trent 1000-L2
2020-15-09		Airbus SAS	A330-941
2020-15-10		Airbus SAS	A350-941
2020-15-12	R 2018-08-02	Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-A2, Trent 1000-AE2, Trent 1000-C2, Trent 1000-CE2, Trent 1000-D2, Trent 1000-E2, Trent 1000-G2, Trent 1000-H2, Trent 1000-J2, Trent 1000-K2, and Trent 1000-L2
2020-15-14	R 2015-13-06	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
2020-16-13		Rolls-Royce Corporation	AE 3007A, AE 3007A1, AE 3007A1/1, AE 3007A1/2, AE 3007A1/3, AE 3007A1E, AE 3007A1P, and AE 3007A3
2020-16-51	E	The Boeing Company	737-300, -400, -500, -600, -700, -700C, -800, -900, and 900ER series

Biweekly 2020-17

2020-12-13	A 2016-17-15	Bombardier, Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)
2020-12-14		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11
2020-12-16		Airbus SAS	A320-214, -216, -231, -232, -233, -251N, -271N
2020-16-01		Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N, -171N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -252N, -253N, -271N, -272N, -251NX, -252NX, -253NX, -271NX, -272NX
2020-16-51		The Boeing Company	737-300, -400, -500, -600, -700, -700C, -800, -900, and -900ER series

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects			
Biweekly 2020-18			
2020-15-20	R 2019-03-11	Airbus SAS	A350-941 and -1041
2020-15-21		Airbus SAS	A330-201, -202, -203, -223, and -243; A330-223F and -243F; A330-301, -302, -303, -321, -322, -323, -341, -342, and -343
2020-16-17		Rolls-Royce Deutschland Ltd & Co KG	Trent XWB-75, Trent XWB-79, Trent XWB-79B, and Trent XWB-84
2020-16-18		Airbus SAS	A310-203, -204, -221, -222, -304, -322, -324, and -325
2020-17-01		Airbus SAS	A319-115 and -153N; A320-214, -216, -232, -251N, -252N, -271N, and -273N; A321-211, -231, -251N, -253N, -271N, -272N, -251NX, -252NX, -253NX, and -271NX
2020-17-02		The Boeing Company	747-8 and -8F series; 787-8, -9, and -10
2020-17-03		Airbus SAS	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -216, -231, -232, and -233; A321-111, -112, -131, -211, -212, -213, -231, and -232
2020-17-04	R 2019-03-06	The Boeing Company	737-300, -400, and -500 series
2020-17-12		Dassault Aviation	MYSTERE-FALCON 900, FALCON 900EX, FALCON 2000, and FALCON 2000EX
2020-18-51	E	Sandia Attitude Indicator	Attitude Indicator
Biweekly 2020-19			
2020-17-13		The Boeing Company	787-8 and 787-9
2020-17-14		Dassault Aviation	Falcon 10
2020-17-16		Airbus SAS	A330-202, -203, -223, -243; A330-301, -321, -322, -323, -341, -342, -343; A340-211, -212, -213; and A340-311, -312, -313
2020-18-03		Airbus SAS	A350-941 and -1041
2020-18-04		Airbus SAS	A350-941 and -1041
2020-18-06		Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133; A320-211, -212, -214, -216, -231, -232, -233; and A321-111, -112, -131, -211, -212, -213, -231, -232
2020-18-07	R 2016-18-09	Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133; and A320-211, -212, -214, -216, -231, -232, -233
2020-18-51		Sandia Attitude Indicator	Attitude Indicator
Biweekly 2020-20			
2020-18-09		Honeywell International Inc.	ALF502L, ALF502L-2, ALF502L-2A, ALF502L-2C, ALF502L-3, ALF502R-3, ALF502R-3A, ALF502R-4, ALF502R-5, ALF502R-6, LF507-1F, and LF507-1H
2020-18-10		Airbus SAS	A319-151N, -153N; A320-251N, -252N, -253N; and A321-251N, -252N, -253N, -251NX, -252NX, -253NX
2020-18-12		The Boeing Company	777-200, 777-200LR, and 777-300 series
2020-18-13		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series
2020-18-14		General Electric Company	GE90-110B1 and GE90-115B
2020-18-15		Airbus SAS	A350-941 and -1041
2020-19-03		Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133; A320-211, -212, -214, -216, -231, -232, -233; and A321-111, -112, -131, -211, -212, -213, -231, -232
Biweekly 2020-21			
2020-17-15		MHI RJ Aviation ULC	CL-600-2B19 (Regional Jet Series 100 & 440), CL-600-2C10 (Regional Jet Series 700, 701 & 702), CL-600-2C11 (Regional Jet Series 550), CL-600-2D15 (Regional Jet Series 705), CL-600-2D24 (Regional Jet Series 900), and CL-600-2E25 (Regional Jet Series 1000)
2020-18-02		The Boeing Company	747-400, -400D, and -400F series
2020-18-16		The Boeing Company	767-200, -300, -300F, and -400ER series
2020-19-13		Bombardier, Inc.	CL-600-1A11 (600), CL-600-2A12 (601), CL-600-2B16 (601-3A, 601-3R, and 604 Variants)

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects			
2020-20-01 2020-20-04 2020-20-07		Dassault Aviation Rolls-Royce Corporation Rolls-Royce Deutschland Ltd & Co KG	FALCON 7X, FALCON 900EX, and FALCON 2000EX AE 2100D3 Trent 1000-AE3, Trent 1000-CE3, Trent 1000-D3, Trent 1000-G3, Trent 1000-H3, Trent 1000-J3, Trent 1000-K3, Trent 1000-L3, Trent 1000-M3, Trent 1000-N3, Trent 1000-P3, Trent 1000-Q3, and Trent 1000-R3, RRD Trent 7000-72 and Trent 7000-72C
2020-20-09	R 2015-14-07 R 2016-07-10 R 2016-24-09	The Boeing Company	787-8 and 787-9
2020-20-10 2020-20-11	R 2018-06-07	The Boeing Company General Electric Company	757-200, -200CB, and -300 series GEnx-1B64/P2, -1B67/P2, -1B70/P2, -1B70C/P2, -1B70/75/P2, -1B74/75/P2, -1B76/P2, -1B76A/P2, and GEnx-2B67/P
2020-20-12		General Electric Company	GEnx-1B64, -1B64/P1, -1B64/P2, -1B67, -1B67/P1, -1B67P2, -1B70, -1B70/75/P1, -1B70/75/P2, -1B70/P1, -1B70/P2, -1B70C/P1, -1B70C/P2, -1B74/75/P1, -1B74/75/P2, -1B76/P2, and -1B76A/P2
2020-20-13	R 2018-15-04	General Electric Company	CF6-80A, CF6-80A1, CF6-80A2, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A5F, CF6-80C2A8, CF6-80C2B1, CF6-80C2B1F, CF6-80C2B2, CF6-80C2B2F, CF6-80C2B4, CF6-80C2B4F, CF6-80C2B5F, CF6-80C2B6, CF6-80C2B6F, CF6-80C2B6FA, CF6-80C2B7F, CF6-80C2D1F, CF6-80C2L1F, and CF6-80C2K1F
2020-20-15		Airbus SAS	A330-202, -203, -223, -243; A330-223F -243F; A330-302, -303, -323, -343; A330-941; A340-313; A340-541; and A340-642
2020-20-16 2020-20-17	R 2018-17-05	Airbus SAS General Electric Company	A350-941 and -1041 GE90-110B1 and GE90-115B
Biweekly 2020-22			
2020-20-05	R 2018-25-02 R 2019-23-01	Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -251NX, -252N, -252NX, -253N, -253NX, -271N, -271NX, -272N, and -272NX
2020-21-02		Transport Category Airplanes	Kidde Aerospace & Defense cargo fire extinguisher halon bottles
2020-21-03	R 2015-14-01	De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402
2020-21-04 2020-21-05	R 2017-25-16	Airbus SAS Airbus SAS	A300 F4-605R and F4-622R A330-223F, -243F; A330-201, -202, -203, -223, -243; A330-941; A330-301, -302, -303, -321, -322, -323, -341, -342, -343; A340-211, -212, -213; A340-311, -312, -313; A340-541; and A340-642
2020-21-06 2020-21-07 2020-21-08 2020-21-09		Airbus SAS Airbus SAS Airbus SAS Airbus SAS	A350-941 and -1041 A350-941 and -1041 A350-941 A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N, -171N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -252N, -253N, -271N, -272N, -273N, -251NX, -252NX, -253NX, -271NX, and -272NX
2020-21-10	R 2017-19-24 R 2018-16-04	Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -252N, -253N, -271N, -272N, -251NX, -252NX, -253NX, -271NX, and -272NX
2020-21-11	R 2015-22-08 R 2018-17-19 R 2019-19-15	Airbus SAS	A318-111, -112, -121, -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects			
2020-21-13 2020-21-14		General Electric Company ATR–GIE Avions de Transport Régional	272N, -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -252N, -253N, -271N, -272N, -251NX, -252NX, -253NX, -271NX, and -272NX GE90-110B1 and GE90-115B ATR72-101, -102, -201, -202, -211, -212, and -212A
2020-22-03		Airbus SAS	A330-201, -202, -203, -223, -243; A330-223F, -243F; A330-301, -302, -303, -321, -322, -323, -341, -342, -343
Biweekly 2020-23			
2020-21-09		Airbus SAS	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, -153N, and -171N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, and -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -252N, -253N, -271N, -272N, -251NX, -252NX, -253NX, -271NX, and -272NX
2020-21-18 2020-21-19	R 2019-14-09 R 2019-24-11 A 2010-26-05	Airbus SAS Dassault Aviation	A330-223F and -243F FALCON 900EX
2020-21-20	R 2019-23-03 A 2010-26-05	Dassault Aviation	FALCON 900EX
2020-22-02		General Electric Company	CF6-80C2A5F, -80C2B1F, -80C2B2F, -80C2B4F, -80C2B5F, -80C2B6F, -80C2B6FA, -80C2B7F, -80C2B8F, -80C2D1F, -80C2K1F, -80C2L1F, -80E1A2, -80E1A3, -80E1A4, and -80E1A4/B
2020-22-06 2020-22-08	R 99-01-19 R 2004-25-02	Airbus SAS Airbus SAS	A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -216, -231, -232, and -233 A320-251N and -271N; A321-251N, -271N, -272N, -252NX, and -271NX; A330-243; A330-343; A330-941; A350-941 and -1041
2020-22-11	R 2017-18-17	Airbus SAS	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
2020-22-16	R 2017-25-04 R 2019-03-17	Airbus SAS	A318-111, -112, -121, and -122; A319-111, -112, -113, -114, -115, -131, -132, -133, -151N, and -153N; A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, -253N, -271N, -272N, and -273N; A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -252N, -253N, -271N, -272N, -251NX, -252NX, -253NX, -271NX, and -272NX
2020-23-01		GE Aviation Czech s.r.o	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601F, H75-200, H80-100, H80-200, and H85-200
2020-23-04		Gulfstream Aerospace Corporation	GVII-G500 and GVII-G600
Biweekly 2020-24			
2020-22-06 2020-22-09 2020-22-11	R 99-01-19 R 2004-25-02 R 2001-16-13 R 2017-18-17	Airbus SAS Airbus SAS Airbus SAS	A319-111, -112, -113, -114, -115, -131, -132, and -133; A320-211, -212, -214, -216, -231, -232, and -233 A330-301, -321, -322, -323, -341, -342, and -343 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
2020-22-15		The Boeing Company	DC-10-10 and DC-10-10F; DC-10-15; DC-10-30 and DC-10-30F (KC-10A and KDC-10); DC-10-40 and DC-10-40F; MD-10-10F and MD-10-30F; and MD-11 and MD-11F
2020-22-18 2020-23-01		Rolls-Royce Corporation GE Aviation Czech s.r.o	AE 2100A, AE 2100D2, AE 2100D2A, and AE 2100P M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601F, H75-200, H80-100, H80-200, and H85-200
2020-23-04		Gulfstream Aerospace Corporation	GVII-G500 and GVII-G600
2020-23-08		Rolls-Royce Deutschland Ltd & Co KG	Tay 611-8C

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects			
2020-23-10	R 2014-26-07 R 2019-07-01	Dassault Aviation	FAN JET FALCON; and FAN JET FALCON SERIES C, D, E, F, and G
2020-23-12		Airbus SAS	A350-1041
2020-23-13		ATR–GIE Avions de Transport Regional	ATR42-200, -300, and -320
2020-24-02	R 2018-23-51	The Boeing Company	737-8 and 737-9
Biweekly 2020-25			
2020-23-11		Airbus SAS	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; and A300 C4-605R Variant F
2020-24-04		The Boeing Company	787-8, 787-9, and 787-10
2020-24-11		Airbus SAS	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, -213; A340-311, -312, and -313; A340-541; and A340-642
2020-24-12		Airbus SAS	A350-941
2020-25-04	R 2016-24-08	Rolls-Royce Deutschland Ltd & Co KG	RB211-Trent 875-17, RB211-Trent 877-17, RB211-Trent 884-17, RB211-Trent 884B-17, RB211-Trent 892-17, RB211-Trent 892B-17, and RB211-Trent 895-17



2020-23-11 Airbus SAS: Amendment 39-21327; Docket No. FAA-2020-0788; Product Identifier 2020-NM-091-AD.

(a) Effective Date

This airworthiness directive (AD) is effective January 4, 2021.

(b) Affected ADs

None.

(c) Applicability

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

(1) Model A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes.

(2) Model A300 B4-601, B4-603, B4-620, and B4-622 airplanes; Model A300 B4-605R and B4-622R airplanes; Model A300 F4-605R and F4-622R airplanes; and Model A300 C4-605R Variant F airplanes.

(d) Subject

Air Transport Association (ATA) of America Code 53, Fuselage; 57, Wings.

(e) Reason

This AD was prompted by reports of cracking at hole location #10 on the left-hand side of frame 4. The FAA is issuing this AD to address fatigue cracking, which could result in reduced structural integrity of the fuselage.

(f) Compliance

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

(g) Requirements

(1) For airplanes identified in paragraph (c)(1) of this AD: Except as specified in paragraphs (h)(1) and (3) of this AD, comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2020-0110R1, dated May 27, 2020 (“EASA AD 2020-0110R1”).

(2) For airplanes identified in paragraph (c)(2) of this AD: Except as specified in paragraphs (h)(2) and (3) of this AD, comply with all required actions and compliance times specified in, and in accordance with, EASA AD 2020-0111R2, dated June 16, 2020 (“EASA AD 2020-0111R2”).

(h) Exceptions to EASA AD 2020-0110R1 and EASA AD 2020-0111R2

(1) Where EASA AD 2020-0110R1 refers to its effective date, this AD requires using the effective date of this AD.

(2) Where paragraph (4) of EASA AD 2020-0111R2 refers to June 3, 2020 (“the effective date of this [EASA] AD at original issue”), this AD requires using the effective date of this AD.

(3) The “Remarks” section of EASA AD 2020-0110R1 and EASA AD 2020-0111R2 does not apply to this AD.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Large Aircraft Section, International Validation 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 responsible Flight Standards Office, as appropriate. If sending information directly to the Large Aircraft Section, International Validation Branch, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, Large Aircraft Section, International Validation Branch, FAA; or EASA; or Airbus SAS'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 (i)(2) 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.

(j) Related Information

For more information about this AD, contact Dan Rodina, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3225; email Dan.Rodina@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 this AD specifies otherwise.

(i) European Union Aviation Safety Agency (EASA) AD 2020-0110R1, dated May 27, 2020.

(ii) European Union Aviation Safety Agency (EASA) AD 2020-0111R2, dated June 16, 2020.

(3) For EASA AD 2020-0110R1 and EASA AD 2020-0111R2, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; Internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://ad.easa.europa.eu>.

(4) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. This material may be found in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0788.

(5) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fedreg.legal@nara.gov, or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on November 4, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-26046 Filed 11-25-20; 8:45 am]



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2020-24-04 The Boeing Company: Amendment 39-21334 ; Docket No. FAA-2020-1031; Project Identifier AD-2020-00846-T.

(a) Effective Date

This AD is effective December 18, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all The Boeing Company Model 787-8, 787-9, and 787-10 airplanes, certificated in any category.

(d) Subject

Air Transport Association (ATA) of America Code 22, Auto flight.

(e) Unsafe Condition

This AD was prompted by reports indicating that the autopilot flight director system (AFDS) failed to transition to the instrument landing system localizer (LOC) beam after the consistent localizer capture function in the flight control modules initiated a transition to capture LOC during approach. The FAA is issuing this AD to address the AFDS failing to transition, which could result in localizer overshoot leading to glideslope descent on the wrong heading. Combined with a lack of flight deck effects for a consistent localizer capture mode failure, this condition could result in a controlled flight into terrain.

(f) Compliance

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

(g) Revise the Airplane Flight Manual (AFM)

Within 14 days after the effective date of this AD, revise the limitations section of the existing AFM and applicable corresponding operational procedures to incorporate the procedures specified in figure 1 to paragraph (g) of this AD. Revising the existing AFM to include the changes specified in paragraph (g) of this AD may be done by inserting a copy of figure 1 to paragraph (g) of this AD into the existing AFM.

Figure 1 to paragraph (g) – *Operating Instructions***Operating Instructions:**

(Required by AD 2020-24-04)

When conducting an approach with a localizer-based navigation aid, monitor localizer raw data and call out any significant deviations. If AFDS performance is not satisfactory, the flight crew must intervene. Perform an immediate go-around if the airplane has not intercepted the final approach course as shown by the localizer deviation.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Seattle 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 responsible Flight Standards 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 (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 responsible Flight Standards 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 Company Organization Designation Authorization (ODA) that has been authorized by the Manager, Seattle ACO Branch, FAA, 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.

(i) Related Information

For more information about this AD, contact Frank Carreras, Aerospace Engineer, Systems and Equipment Section, FAA, Seattle ACO Branch, 2200 South 216th St., Des Moines, WA 98198; phone and fax: 206-231-3539; email: frank.carreras@faa.gov.

(j) Material Incorporated by Reference

None.

Issued on November 13, 2020.

Lance T. Gant,
Director, Compliance & Airworthiness Division, Aircraft Certification Service.
[FR Doc. 2020-26680 Filed 12-1-20; 11:15 am]



2020-24-11 Airbus SAS: Amendment 39-21341; Docket No. FAA-2019-0484; Product Identifier 2020-NM-051-AD.

(a) Effective Date

This AD is effective January 5, 2021.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Airbus SAS airplanes identified in paragraphs (c)(1) through (7) of this AD, certificated in any category.

- (1) Model A330-201, -202, -203, -223, and -243 airplanes.
- (2) Model A330-223F and -243F airplanes.
- (3) Model A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes.
- (4) Model A340-211, -212, -213 airplanes.
- (5) Model A340-311, -312, and -313 airplanes.
- (6) Model A340-541 airplanes.
- (7) Model A340-642 airplanes.

(d) Subject

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

(e) Reason

This AD was prompted by a report that an airplane failed to extend its nose landing gear (NLG) using the free fall method, due to loss of the green hydraulic system. The FAA is issuing this AD to address detached magnets on both electrical motors of the free fall actuators (FFAs), which could prevent landing gear extension by the free fall method, possibly resulting in loss of control of the airplane after landing.

(f) Compliance

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

(g) Requirements

Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2020-0076, dated March 30, 2020 (“EASA AD 2020-0076”).

(h) Exceptions to EASA AD 2020-0076

(1) Where EASA AD 2020-0076 refers to its effective date or “the effective date of EASA AD 2019-0063” or “the effective date of EASA AD 2019-0164,” this AD requires using the effective date of this AD.

(2) The “Remarks” section of EASA AD 2020-0076 does not apply to this AD.

(3) Where paragraph (3) of EASA AD 2020-0076 specifies credit for certain tasks “provided the continuity test specified in A330 AMM [Aircraft Maintenance Manual] task 32-33-00-710-809, or A340 AMM task 32-33-00-710-806, as applicable, is accomplished concurrently,” this AD provides credit “provided the continuity test is accomplished concurrently in accordance with the instructions of an FAA-approved maintenance or inspection program.”

(i) No Reporting Requirement

Although the service information referenced in EASA AD 2020-0076 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(j) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Large Aircraft Section, International Validation 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 responsible Flight Standards Office, as appropriate. If sending information directly to the Large Aircraft Section, International Validation Branch, send it to the attention of the person identified in paragraph (k) of this AD. Information may be emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, Large Aircraft Section, International Validation Branch, FAA; or EASA; or Airbus SAS's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(3) Required for Compliance (RC): For any service information referenced in EASA AD 2020-0076 that contains RC procedures and tests: Except as required by paragraphs (h)(3) and (j)(2) of this AD, RC 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

For more information about this AD, contact Vladimir Ulyanov, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3229; email vladimir.ulyanov@faa.gov.

(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 this AD specifies otherwise.

(i) European Union Aviation Safety Agency (EASA) AD 2020-0076, dated March 30, 2020.

(ii) [Reserved]

(3) For EASA AD 2020-0076, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; Internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://ad.easa.europa.eu>.

(4) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. This material may be found in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0484.

(5) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fedreg.legal@nara.gov, or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on November 18, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-26435 Filed 11-30-20; 8:45 am]



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2020-24-12 Airbus SAS: Amendment 39-21342; Docket No. FAA-2020-0780; Product Identifier 2020-NM-103-AD.

(a) Effective Date

This airworthiness directive (AD) is effective January 5, 2021.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Airbus SAS Model A350-941 airplanes, certificated in any category, as identified in European Union Aviation Safety Agency (EASA) AD 2020-0123, dated May 29, 2020 (“EASA AD 2020-0123”).

(d) Subject

Air Transport Association (ATA) of America Code 57, Wings.

(e) Reason

This AD was prompted by reports that certain central wing box (CWB) fasteners had rotated inside the fastener holes due to insufficient friction for the application. The FAA is issuing this AD to address CWB fastener rotation. This condition, if not corrected, could lead to cracking of the fastener head sealant cover, followed by fuel vapor leakage inside the cabin, possibly resulting in injury to airplane occupants.

(f) Compliance

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

(g) Requirements

Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, EASA AD 2020-0123.

(h) Exception to EASA AD 2020-0123

The “Remarks” section of EASA AD 2020-0123 does not apply to this AD.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Large Aircraft Section, International Validation 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 responsible Flight Standards Office, as appropriate. If sending information directly to the Large Aircraft Section, International Validation Branch, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, Large Aircraft Section, International Validation Branch, FAA; or EASA; or Airbus SAS'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 (i)(2) 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.

(j) Related Information

For more information about this AD, contact Kathleen Arrigotti, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3218; email kathleen.arrigotti@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 this AD specifies otherwise.

(i) European Union Aviation Safety Agency (EASA) AD 2020-0123, dated May 29, 2020.

(ii) [Reserved]

(3) For AD 2020-0123, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://ad.easa.europa.eu>.

(4) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. This material may be found in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0780.

(5) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fedreg.legal@nara.gov, or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on November 20, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-26436 Filed 11-30-20; 8:45 am]



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2020-25-04 Rolls-Royce Deutschland Ltd & Co KG (Type Certificate previously held by Rolls-Royce plc): Amendment 39-21346; Docket No. FAA-2019-0425; Project Identifier 2016-NE-13-AD.

(a) Effective Date

This airworthiness directive (AD) is effective January 8, 2021.

(b) Affected ADs

This AD replaces AD 2016-24-08, Amendment 39-18725 (81 FR 86567, December 1, 2016).

(c) Applicability

This AD applies to all Rolls-Royce Deutschland Ltd. & Co KG (RRD) (Type Certificate previously held by Rolls-Royce plc) RB211-Trent 875-17, RB211-Trent 877-17, RB211-Trent 884-17, RB211-Trent 884B-17, RB211-Trent 892-17, RB211-Trent 892B-17, and RB211-Trent 895-17 model turbofan engines.

(d) Subject

Joint Aircraft System Component (JASC) Code 7130, Engine Fireseals.

(e) Unsafe Condition

This AD was prompted by RRD developing a modification of the engine upper bifurcation nose fairing assembly as a result of reports of cracking and material release from an engine upper bifurcation fairing. The FAA is issuing this AD to prevent failure of the engine fire control system. The unsafe condition, if not addressed could result in engine fire and damage to the airplane.

(f) Compliance

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

(g) Required Actions

(1) Within 7,500 engine flight hours (FHs) since new or since the last inspection or within 150 flight cycles (FCs) after January 5, 2017 (the effective date of AD 2016-24-08), whichever occurs later, inspect the engine upper bifurcation nose fairing assembly for cracks or missing material. Use paragraph (g)(3) of this AD to perform the inspection.

(2) Repeat the inspection required by paragraph (g)(1) of this AD within every 7,500 engine FHs since the last inspection.

(3) Inspect the engine upper bifurcation nose fairing assembly as follows.

Note 1 to Paragraph (g)(3): Figure 1 of Rolls-Royce plc (RR) Alert Non-Modification Service Bulletin (NMSB) RB.211-72-AJ165, Revision 2, dated August 21, 2018, provides guidance on the engine upper bifurcation nose fairing assembly inspection locations.

(i) Visually inspect upper bifurcation fairing seal face 22, seal support 23, and Zone A for any cracks or material loss on the right side.

(A) If fairing seal face 22 is found to have released material, repair or replace the fairing before further flight.

(B) If there is a single crack found on fairing seal face 22, shorter than 6 mm, repair or replace the fairing within 100 engine FCs, or at the next engine shop visit, whichever occurs first.

(C) If there is a single crack, longer than 6 mm, found on fairing seal face 22, repair or replace the fairing within 15 engine FCs or at the next engine shop visit, whichever occurs first.

(D) If there are two or more cracks found on fairing seal face 22, replace the fairing within 15 engine FCs or at the next engine shop visit, whichever occurs first.

(E) If there is any cracking or material loss found on seal support 23, replace the fairing within 15 engine FCs or at the next engine shop visit, whichever occurs first.

(ii) If the visual inspection required by paragraph (g)(3)(i) of this AD does not detect any cracks, fluorescent penetrant inspect Zone A.

(A) If a crack shorter than 6 mm is detected, repair or replace the fairing within 100 engine FCs, or at the next engine shop visit, whichever occurs first.

(B) If a crack longer than 6 mm is detected, repair or replace the fairing within 15 engine FCs or at the next engine shop visit, whichever occurs first.

Note 2 to Paragraph (g)(3)(ii): AMM TASK 70-20-02, Water Washable Fluorescent Penetrant Inspection (Maintenance Process 213), and OMat 632, high sensitivity fluorescent penetrant inspection, provides guidance on performing a fluorescent penetrant inspection.

(h) Mandatory Terminating Action

As a mandatory terminating action to the inspections of the engine upper bifurcation nose fairing assembly required by paragraph (g) of this AD, perform one of the following:

(1) At the next engine shop visit after the effective date of this AD, modify the engine upper bifurcation nose fairing assembly in accordance with the Accomplishment Instructions, paragraph 3.C., of RR Service Bulletin (SB) RB.211-72-J803, Revision 2, dated April 1, 2019;

paragraph 3.B., Revision 1, dated July 13, 2018; or paragraph 3.B., Original Issue, dated December 7, 2017; or

(2) Before the next engine shop visit after the effective date of this AD, modify the engine upper bifurcation nose fairing assembly in accordance with the Accomplishment Instructions, paragraph 3.D., of RR SB RB.211-72-J803, Revision 2, dated April 1, 2019.

(i) Definition

For the purpose of this AD, an “engine shop visit” is defined as the induction of an engine into the shop for maintenance involving the separation of pairs of major mating engine flanges, except that the separation of engine flanges solely for the purposes of transportation without subsequent engine maintenance does not constitute an engine shop visit.

(j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, ECO 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 Related Information. You may email your request to: ANE-AD-AMOC@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.

(k) Related Information

(1) For more information about this AD, contact Scott Stevenson, Aviation Safety Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: (781) 238-7132; fax: (781) 238-7199; email: Scott.M.Stevenson@faa.gov.

(2) Refer to European Aviation Safety Agency (EASA) AD 2018-0088, dated April 18, 2018, for more information. You may examine the EASA AD in the AD docket at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0425.

(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 the AD specifies otherwise.

(i) Rolls-Royce plc (RR) Service Bulletin (SB) RB.211-72-J803, Revision 2, dated April 1, 2019.

(ii) RR SB RB.211-72-J803, Revision 1, dated July 13, 2018.

(iii) RR SB RB.211-72-J803, Initial Issue, dated December 7, 2017.

(3) For RR service information identified in this AD, contact Rolls-Royce plc, Corporate Communications, P.O. Box 31, Derby, England, DE24 8BJ; phone: (+44) 1332 242424; fax:

(+44) 1332 249936; email: http://www.rolls-royce.com/contact/civil_team.jsp; internet: <https://customers.rolls-royce.com/public/rollsroycecare>.

(4) You may view this service information at FAA, Airworthiness Products Section, Operational Safety Branch, 1200 District Avenue, Burlington, MA 01803. For information on the availability of this material at the FAA, call (781) 238-7759.

(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, email: fedreg.legal@nara.gov, or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on November 30, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-26730 Filed 12-3-20; 8:45 am]