FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES

LARGE AIRCRAFT

BIWEEKLY 2019-23

10/28/2019 - 11/10/2019

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; R – Replaces, A – Affects

Biweekly 2019-01

2018-22-07		Engine Alliance	GP7270, GP7272, and GP7277 model turbofan engines
2018-23-12	COR	Zodiac Aero Evacuation Systems	Fusible plugs installed on emergency evacuation equipment
2018-25-08	R 2017-22-07	Airbus SAS	A319, A320, A321 airplanes
2018-26-01	R 2018-18-01	CFM International S.A.	CFM56-7B turbofan engines
2018-26-03		The Boeing Company	757-200 series airplanes
2018-26-04		Airbus SAS	A350-941 and -1041 airplanes
2018-26-05	A 2015-19-01	The Boeing Company	777-200, 777-200LR, 777-300, 777-300ER, and 777F series airplanes
2018-26-06		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series airplanes

Biweekly 2019-02

2019-01-01		The Boeing Company	787-8 airplanes

Biweekly 2019-03

2019-01-01	COR	The Boeing Company	787-8 airplanes

Biweekly 2019-04

2018-23-04		Bombardier, Inc.	DHC-8-102, -103, -106, -201, -202, -301, -311, and -315 airplanes
2018-24-01		International Aero Engines	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM turbofan engines
2019-01-03	R 2016-18-01	The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series airplanes
2019-01-04		The Boeing Company	787 series airplanes
2019-01-05	A 2017-05-10	Airbus SAS	A330-201, A330-202, A330-203, A330-223, A330-243, A330-223F, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342, and A330-343 airplanes
2019-01-06		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
2019-01-07		Airbus SAS	A321-111, -112, -131, -211, -212, -213, -231, and -232 airplanes
2019-01-08		The Boeing Company	777-200, -200LR, -300, and -300ER series airplanes
2019-02-01	R 2018-16-07	General Electric Company	GEnx-1B54, -1B58, -1B64, -1B67, -1B70, -1B54/P1, -1B58/P1, -1B64/P1, -1B67/P1, -1B70/P1, -1B54/P2, -1B58/P2, -1B64/P2, -1B67/P2, -1B70/P2, -1B70C/P1, -1B70/72/P1, -1B70/75/P1, -1B74/75/P1, -1B75/P1, -1B70C/P2, -1B70/72/P2, -1B70/75/P2, -1B74/75/P2, -1B75/P2, -1B76/P2, -1B76A/P2, -1B78/P2, -2B67, -2B67B, and -2B67/P turbofan engines
2019-02-03		The Boeing Company	787-8, 787-9, and 787-10 airplane
2019-02-04	R 2018-22-05	Engine Alliance	GP7270, GP7272, and GP7277 turbofan engines
2019-03-01		Pratt & Whitney Division	PW4074, PW4074D, PW4077, PW4077D, PW4084D, PW4090, and PW4090-3 turbofan engines

Biweekly 2019-05

2018-21-14		Zodiac Aerotechnics	MC10 series crew oxygen mask regulators
2018-26-07		Airbus SAS	A350-941 and -1041 airplanes Note: Was missing from BW2019-01
2018-26-08		Airbus SAS	A320-214, A320-232, A320-233, A321-211, and A321-231 airplanes Note: Was missing from BW2019-01
2019-03-03	A 2016-17-03	Airbus SAS	A318, A319, A320, A321 airplanes
2019-03-04	R 2018-11-16	Engine Alliance	GP7270 and GP7277 model turbofan engines
2019-03-06		The Boeing Company	737-300, -400, and -500 series airplanes
2019-03-07	R 2017-16-05	The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series airplanes
2019-03-08		Airbus SAS	A350-941 airplanes

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2019-03-09		Airbus SAS	A310-304, -322, -324, and -325 airplanes
2019-03-10	R 2017-07-05	Airbus SAS	A300 airplanes
2019-03-11		Airbus SAS	A350-941 and -1041 airplanes
2019-03-15		Airbus SAS	A330-201, -202, and -203; A330-301, -302, and -303 airplanes
2019-03-17	A 2017-25-04	Airbus SAS	A318, A319, A320, A321 airplanes
2019-03-19		Saab AB, Saab Aeronautics	SAAB 2000 airplanes
2019-03-20	A 2014-16-23 A 2016-16-09	Dassault Aviation	FALCON 7X airplanes
2019-03-21		Embraer S.A.	ERJ 190-100 STD, -100 LR, and -100 IGW; ERJ 190-200 STD, -200 LR, and -200 IGW airplanes
2019-03-23		Airbus SAS	A330, A340 airplanes
Biweekly 2019-06			
2019-03-13		Gulfstream Aerospace LP	Gulfstream G150 airplanes
2019-03-14		Dassault Aviation	FAN JET FALCON and FAN JET FALCON SERIES C, D, E, F, and G airplanes
2019-03-16	A 2006-25-06 A 97-04-08	Fokker Services B.V.	F.27 Mark 100, 200, 300, 400, 500, 600, and 700 airplanes
2019-03-18		Airbus SAS	A318, A319, A320 airplanes
2019-03-22		Bombardier, Inc.	BD-700-1A10 and BD-700-1A11 airplanes
2019-03-24		The Boeing Company	737-400 series airplanes
2019-03-25	A 2008-02-15	Airbus SAS	A318, A319, A320, A321 airplanes
2019-03-26		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series airplanes
2019-03-27		Dassault Aviation	Falcon 10 airplanes
2019-03-28	R 2016-07-23	Airbus SAS	A318, A319, A320, A321 airplanes
2019-03-30		Empresa Brasileira de Aeronautica S.A.	EMB-135, EMB-145 airplanes
2019-05-01	R 2017-11-06	Pratt & Whitney Division	PW2037, PW2037D, PW2037M, PW2040, PW2040D, PW2043, PW2143, PW2643, and F117-PW-100 turbofan engines
2019-05-02	R 2017-22-13	Rolls-Royce plc	RB211-Trent 970-84 and RB211-Trent 972-84 turbofan engines
2019-05-08	R 2015-12-08	Airbus SAS	A318, A319, A320, A321 airplanes
Biweekly 2019-07			
2019-05-07	R 2017-20-01	Honeywell International Inc.	TFE731-20R, -20AR, -20BR, and TFE731-40, -40AR, -40BR, and -40R turbofan engines
2019-05-09		Airbus SAS	A320-251N and -271N, and A321-253N airplanes
2019-05-10		Airbus SAS	A350-941 airplanes
2019-05-12		Bombardier, Inc.	CL-600-2C10, -2D15, -2D24, -2E25 airplanes
2019-05-13	R 2007-22-05	Airbus SAS	A300-600 and A310 series airplanes
2019-05-14	R 2012-02-18	Dassault Aviation	MYSTERE-FALCON 50 airplanes
2019-06-01	R 2018-24-01	International Aero Engines	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM turbofan engines
2019-06-02		Pratt & Whitney Division	PW4158 turbofan engines
2019-06-06		International Aero Engines AG	V2500-A1, V2522-A5, V2524-A5, V2525-D5, V2527-A5, V2527E-A5, V2527M-A5, V2528-D5, V2530-A5, V2533-A5 turbofan engines
2019-06-07	R 2016-22-05	Pratt & Whitney Division	Certain PW4000 engines (see AD)
Biweekly 2019-08			
2019-06-01	R 2018-24-01	International Aero Engines	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM turbofan engines
2019-06-02	COR	Pratt & Whitney Division	PW4158 turbofan engines
2019-06-03	A 2017-01-08	Airbus SAS	A330 and A340 airplanes
2019-06-08		Airbus SAS	A330-223, A330-223F, A330-321, A330-322, and A330-323 airplanes
2019-06-09		Airbus SAS	A350-941 airplanes

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2019-06-12		Airbus SAS	A330-201, -202, and -203; A330-301, -302, and -303 airplanes
2019-07-03		Zodiac Seats France	536-Series Cabin Attendant Seats
Biweekly 2019-09			
2019-07-01	A 2014-26-07	Dassault Aviation	FAN JET FALCON and FAN JET FALCON SERIES C, D, E, F, and G airplanes
2019-07-04	COR	The Boeing Company	757-200, -200PF, -200CB, and -300 series airplanes
2019-07-05	R 2016-19-04	Airbus SAS	A318, A319, A320 and A321 airplanes
2019-07-06		Bombardier, Inc	Model BD-100-1A10 airplanes
2019-07-09		Rolls-Royce plc	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 model turbofan engines
Biweekly 2019-10			
2019-03-29		Bombardier, Inc	Model BD-100-1A10 airplanes
2019-06-13		The Boeing Company	Model 787 series airplanes
2019-07-05	COR, A 2016-19-04	Airbus SAS	A318, A319, A320 airplanes
2019-08-01		RECARO Aircraft Seating GmbH & Co. KG	Passenger Compartment Equipment
2019-08-02		The Boeing Company	Model 737-100, -200, -200C, -300, -400, and -500 series airplanes
2019-08-05		The Boeing Company	Model 787-8 and 787-9 airplanes
2019-08-06	R 2016-16-01	Airbus SAS	A330-223F and -243F, A330-201, -202, -203, -223, -243 A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes
2019-08-09	A 2017-04-13	The Boeing Company	Model 747-8 and 747-8F series airplanes
2019-08-12		Viking Air Limited	Model CL-215-6B11 (CL-215T Variant) and CL-215-6B11 (CL-415 Variant)
Biweekly 2019-11			
2019-08-03		The Boeing Company	Model 737-100, -200, -200C, -300, -400, and -500 series airplanes
2019-08-07	R 2014-20-04	Airbus SAS	A318, A319, A320 and A321 airplanes
2019-08-08	R 2010-14-05	Bombardier, Inc.	Model CL-600-1A11 (600),Model CL-600-2A12 (601), Model CL-600-2B16 airplanes
2019-09-01		The Boeing Company	Model 737-100, -200, -200C, -300, -400, and -500 series airplanes
Biweekly 2019-12			
2019-08-04	R 2012-25-02	Bombardier, Inc.	Model CL-600-2B19 (Regional Jet Series 100 & 440) airplanes
2019-08-11	R 2008-24-14	Bombardier, Inc.	Model CL-600-2B19 (Regional Jet Series 100 & 440) airplanes
2019-10-03		The Boeing Company	Model 737-100, -200, -200C, -300, -400, and -500 series airplanes
2019-10-04		BRP-Rotax GmbH & Co KG	BRP-Rotax GmbH & Co KG (Rotax) 912 F2, 912 F3, and 912 F4 engines, Rotax 912 S2, 912 S3, and 912 S4 engines, Rotax 914 F2, 914 F3, and 914 F4 engines, and Rotax 912 F2, 912 F3, 912 F4, 912 S2, 912 S3, 912 S4, 914 F2, 914 F3, and 914 F4 engines
2019-10-05		Viking Air Limited	Models DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400 airplanes
Biweekly 2019-13			
2019-10-01		Bombardier, Inc	Model CL-600-2A12 (601) airplanes
2019-11-01		Airbus SAS	Model A350-941 airplanes
2019-11-02	R 2017-16-10	The Boeing Company	Model 777-200, -200LR, -300, -300ER, and 777F series airplanes
2019-11-03		The Boeing Company	Model 737-700C, -800, and -900ER series airplanes

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2019-11-06	A 2013-19-23	The Boeing Company	Model 737-600, -700, -700C, -800, -900, and -900ER series airplanes
2019-11-07		Rolls-Royce plc	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 engines
2019-11-08		International Aero Engines	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1129G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM model turbofan engines
2019-11-09		Airbus SAS	Model A319-113 and -114 airplanes, and Model A320-211 and -212 airplanes
2019-12-01		CFM International S.A	LEAP-1B21, -1B23, -1B25, -1B27, -1B28, -1B28B1, -1B28B2, -1B28B3, -1B28B2C, -1B28BBJ1, and -1B28BBJ2 model turbofan engines
2019-12-05		CFM International S.A	CFM56-5B1, -5B2, -5B4, -5B5, -5B6, -5B7, -5B1/P, -5B2/P, -5B3/P, -5B4/P, -5B5/P, -5B6/P, -5B7/P, -5B8/P, -5B9/P, -5B3/P1, -5B4/P1, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5B9/2P, -5B3/2P1, -5B4/2P1, -7B20, -7B22, -7B24, -7B26, -7B27, -7B22/B1, -7B24/B1, -7B26/B1, -7B26/B2, -7B27/B1, -7B27/B3, -7B20/2, -7B22/2, -7B24/2, -7B26/2, -7B27/2, -7B27A model turbofan engines
Biweekly 2019-14			
2019-12-03		Bombardier, Inc.	Model CL-600-2C10 (Regional Jet Series 700, 701 & 702), CL-600-2D15 (Regional Jet Series 705), and CL-600-2D24 (Regional Jet Series 900) airplanes
2019-12-04	R 2018-19-18 A 2014-20-18	Airbus SAS	Model A300 B4-603, B4-620, B4-622, B4-605R, B4-622R, C4-605R Variant F, F4-605R, and F4-622R airplanes
2019-12-07	R 2007-11-11 R 2018-01-11	Airbus SAS	Model A318-111, -112, -121, and -122 ,A319-111, -112, -113, -114, -115, -131, -132, A320-211, -212, -214, -216, -231, -232, -233, A321-111, -112, -131, -211, -212, -213, -231, and -232 airplanes
2019-12-10	A 2017-06-06 A 2012-12-07	Fokker Services B.V	Model F28 Mark 0070 and 0100 airplanes
2019-12-13		The Boeing Company	Model 757-200, -200PF, -200CB, and -300 series airplanes
Biweekly 2019-15			
2019-10-02		Saab AB, Saab Aeronautics	Model SAAB 2000 airplanes
2019-12-02		Bombardier Inc.	Model BD-700-1A10 and BD-700-1A11 airplanes
2019-12-08		Bombardier, Inc.	Model CL-600-2D15 (Regional Jet Series 705), CL-600-2D24 (Regional Jet Series 900), and CL-600-2E25 (Regional Jet Series 1000)
2019-12-09		Rockwell Collins, Inc.	Flight Display System Application FDSA-6500
2019-12-11		Bombardier, Inc	Model CL-600-2B19 (Regional Jet Series 100 & 440)
2019-12-16		Airbus SAS	Model A350-941 airplanes
2019-12-17		Bombardier, Inc.	Model DHC-8-102, -103, -106, -201, -202, -301, -311, and -315 airplanes
2019-13-02		The Boeing Company	Model 737-200, -200C, -300, -400, and -500 airplanes
Biweekly 2019-16			
2019-07-10		Northrop Grumman LITEF GmbH LCR-100	Attitude and Heading Reference System (AHRS) Note: This AD was included in Small AD Biweekly 2019-09, but was inadvertently left off the Large AD Biweekly.
2019-13-03		Trig Avionics Limited	Mode S transponders
2019-13-04		ATR-GIE Avions de Transport Régional	Model ATR72-101, -102, -201, -202, -211, -212, and -212A
2019-14-01		Rolls-Royce Deutschland Ltd & Co KG	TAY 650-15 and TAY 651-54 turbofan
2019-14-02		The Boeing Company	Model 737 series
2019-14-04		Airbus SAS	Model A318-111, -112, -121, and -122, A319-111, -112, -113, -114, -115, -131, -132, and -133, A320-211, -212, -214, -216, -231, -232, -233, -251N, -252N, and -271N,

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			A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -251NX, -252N, -252NX, -253N, -253NX, -271N, -271NX, -272N, and -272NX airplanes
2019-14-05		B/E Aerospace Fischer GmbH	Common Seats
2019-15-05		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 engines
Biweekly 2019-17			
2019-14-06		Airbus SAS	A319-111, -112, -115, and -131 airplanes, and Airbus SAS Model A320-214 and -232 airplanes
2019-14-07		Airbus SAS	A320-251N and -271N airplanes; and Model A321-251N, -253N, -271N, and -272N airplanes
2019-14-09		Airbus SAS	A330-223F and -243F
2019-14-10	R 2018-02-11	Airbus SAS	A330-223, -243, -301, -302, -321, -322, -323, -341, -342, and -343 airplanes; and Model A340-211, -212, -213, -311, -312, and -313
2019-14-12		The Boeing Company	737-8 and 737-9
2019-14-13		The Boeing Company	Model 767-200, -300, -300F, and, -400ER series airplanes
2019-14-14		Airbus SAS	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 airplanes
2019-14-15	R 2017-25-12	The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series
2019-15-01		Bombardier, Inc.	Model CL-600-2B16 (601-3A, 601-3R, and 604 Variants) airplanes
2019-15-03		328 Support Services GmbH	Model 328-100 airplanes
2019-15-04		Bombardier, Inc.	Model BD-100-1A10 airplanes
2019-15-06	R 2018-22-07	Engine Alliance	GP7270, GP7272, and GP7277 model turbofan
2019-15-07		The Boeing Company	Model 737-100, 737-200, 737-200C, 737-300, 737-400, and 737-500 series
2019-15-08	R2002-07-05	Airbus SAS	Model 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 C4-605R Variant F, A300 F4-605R
2019-15-09		Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes
2019-15-10		Safran Aerosystems	life jackets
2019-16-01		International Aero Engines AG	V2525-D5 and V2528-D5 model turbofan engines
2019-16-02		GE Honda Aero Engines	HF120 model turbofan engines
2019-16-04	R 2019-03-04	Engine Alliance	GP7270 and GP7277 model turbofan engines
Biweekly 2019-18			
2019-14-03	R 2016-07-12	Airbus SAS	A318-111, -112; Model A319-111, -112, -113, -114, -115; Model A320-211, -212, -214, -216; and Model A321-111, -112, -211, -212, -213
2019-14-08	R 2016-07-22	Airbus SAS	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 airplanes
2019-15-02		Airbus SAS	A321-251N, A321-252N, A321-253N, A321-271N, A321-272N, A321-251NX, A321-252NX, A321-253NX, A321-271NX, and A321-272NX airplanes
2019-16-03		Airbus SAS	A350-941 and -1041 airplanes
2019-16-06		Airbus SAS	A320-251N and A320-271N
2019-16-11	R 2018-20-06	Airbus SAS	A300 F4-605R and F4-622R airplanes
2019-16-14	R 2018-25-01	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 turbofan
2019-16-15		Pratt & Whitney	PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A model turbofan

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2019-17-01	R 2017-11-09	Learjet, Inc	Model 60 airplanes
Biweekly 2019-19			
2019-15-07	COR	The Boeing Company	737-100, 737-200, 737-200C, 737-300, 737-400, and 737-500 series
2019-16-05		The Boeing Company	777-200, -200LR, -300, -300ER, and 777F series
2019-16-09		Bombardier, Inc	DHC-8-400, -401, and -402 airplanes
2019-16-10		The Boeing Company	787-8 airplanes
2019-16-12	R 2005-20-01	The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series
2019-17-03		Airbus SAS	A320-214 and -271N airplanes and Model A321-211 and -231 airplanes
2019-17-04	R 2019-06-09	Airbus SAS	A350-941 airplanes
2019-17-05		Airbus SAS	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 -21, A340-311, -312, and -313, A340-541 and -642 airplanes
2019-17-07		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), CL-600-2D24 (Regional Jet Series 900), CL-600-2E25 (Regional Jet Series 1000)
2019-18-01		International Aero Engines AG	AG V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, and V2533-A5 model turbofan
Biweekly 2019-20			
2019-16-07	R 2016-12-09	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, and -213, A340-311, -312, and -313 airplanes
2019-17-06		Fokker Services B.V	F28 Mark 0070 and 0100
2019-18-03		The Boeing Company	Model 737 series
2019-18-04	R 2005-17-14	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, B4-622, B4-605R, B4-622R, F4-605R and F4-622R, A300 C4-605R Variant F, A310-203, -204, -221, -222, -304, -322, -324, and -325 airplanes
2019-18-05		De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402
2019-18-06		Airbus SAS	A318-112, -121, and -122; A319-111, -112, -115, -131, -132, and -133; A320-214, -216, -232, -233, -251N, and -271N; and A321-211, -212, -213, -231, -232, -251N, -253N, -271N, and -272N
2019-18-07	R 2015-17-14	Airbus SAS	A319-111, -112, -113, -114, -115, -131, -132, and -133 airplanes; Model A320-211, -212, -214, -216, -231, -232, and -233 airplanes; and Model A321-111, -112, -131, -211, -212, -213, -231, and -232
2019-18-08	R 2019-16-04	Engine Alliance	GP7270 and GP7277 model turbofan
2019-18-09		Lockheed Martin Corporation/Lockheed Martin Aeronautics Company	382, 382B, 382E, 382F, and 382G
2019-19-03		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, ERJ 190-100 STD, -100 LR, and -100 IGW airplanes; and ERJ 190-200 STD, -200 LR, and -200 IGW, ERJ 190-100 ECJ
2019-19-04		Saab AB, Saab Aeronautics	SAAB 2000
2019-19-11		Pratt & Whitney	PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A turbofan

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability

Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects

Biweekly 2019-21

2019-16-08	R 2018-22-13	Airbus SAS	Model A350-941 and -1041
2019-16-13		The Boeing Company	Model 777-200 and -300
2019-19-05		Airbus SAS	A350-941 and -1041 airplanes
2019-19-06		Airbus SAS	A330-202, -243, -243F, -302, -323, and -343 airplanes
2019-19-07		Airbus SAS	Model A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, 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
2019-19-09		Airbus SAS	A330-223F and -243F, A330-201, -202, -203, -223, and -243, A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes
2019-19-14		Airbus SAS	A350-941 and -1041 airplanes
2019-19-15		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, -233, -251N, and -271N airplanes, A321-111, -112, -131, -211, -212, -213, -231, -232, -251N, -251NX, -252N, -252NX, -253N, -253NX, -271N, -271NX, -272N, and -272NX airplanes.
2019-19-16	R 2019-05-09	Airbus SAS	Model A320-251N and -271N, A321-253N
2019-19-17	R 2000-03-20 R1	Airbus SAS	A300 B4-601, B4-603, B4-620, and B4-622, A300 B4-605R and B4-622R, A300 F4-605R, A300 C4-605R Variant F airplanes
2019-20-02		The Boeing Company	737-600, -700, -700C, -800, -900, and -900ER series
2019-20-07		The Boeing Company	787-8, 787-9, and 787-10 airplanes

Biweekly 2019-22

2019-19-02		The Boeing Company	747-400 and 747-400F series
2019-20-01	R 2018-26-07	Airbus SAS	A350-941 and -1041
2019-20-03		Transport Category Airplanes	See AD
2019-20-05	R 2018-15-01	Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-A, Trent 1000-A2, Trent 1000-AE, Trent 1000-AE2, Trent 1000-AE3, Trent 1000-C, Trent 1000-C2, Trent 1000-CE, Trent 1000-CE2, Trent 1000-CE3, Trent 1000-D, Trent 1000-D2, Trent 1000-D3, Trent 1000-E, Trent 1000-E2, Trent 1000-G, Trent 1000-G2, Trent 1000-G3, Trent 1000-H, Trent 1000-H2, Trent 1000-H3, Trent 1000-J2, Trent 1000-J3, Trent 1000-K2, Trent 1000-K3, Trent 1000-L2, Trent 1000-L3, Trent 1000-M3, Trent 1000-N3, Trent 1000-P3, Trent 1000-Q3 and Trent 1000-R3 model turbofan
2019-20-06		Airbus SAS	A310-203, -204, -221, -222, -304, -322, -324, and -325
2019-20-09	R 2011-18-15	De Havilland Aircraft of Canada Limited	DHC-8-400, -401, and -402
2019-20-12		Airbus SAS	A330-243, -243F, -341, -342, and -343
2019-20-13		Airbus SAS	A330-201, -202, -203, -223, and -243, A330-223F, -243F, A330-301, -302, -303, -321, -322, -323, -341, -342, and -343
2019-21-01		Airbus SAS	A300 B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, and C4-605R Variant F
2019-21-02		Airbus SAS	A330-201, -202, -203, -223, -223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343
2019-21-51	E	General Electric Company	GE90-115B model turbofan

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability

Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects

Biweekly 2019-23

2019-19-01		Airbus SAS	A320-251N and -271N airplanes, and Model A321-251N, -253N, -271N, and -272N
2019-20-11		ATR-GIE Avions de Transport Régional	ATR72-101, -102, -201, -202, -211, -212, and -212A
2019-21-04		Saab AB, Saab Aeronautics	SAAB 2000
2019-21-05		Airbus SAS	A330-200, A330-200 Freighter, A330-300, A340-200, A340-300, A340-500, and A340-600
2019-21-06	R 2017-22-02	Ipeco Holdings Limited	Pilot and co-pilot seats
2019-21-07		Airbus SAS	A350-941
2019-21-11	R 2019-19-11	Pratt & Whitney	Model PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A model turbofan

2019-19-01 Airbus SAS: Amendment 39-19737; Docket No. FAA-2019-0522; Product Identifier 2019-NM-082-AD.

(a) Effective Date

This AD is effective December 11, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Airbus SAS Model A320-251N and -271N airplanes, and Model A321-251N, -253N, -271N, and -272N airplanes, certificated in any category.

(d) Subject

Air Transport Association (ATA) of America Code 36, Pneumatic.

(e) Reason

This AD was prompted by reports that the regulated bleed temperature was measured above the design target with a temperature regulation shift phenomenon, and investigation results show that incorrect temperature regulation can degrade pneumatic system components located downstream of the pre-cooler. The FAA is issuing this AD to address this condition, which, if not corrected, could lead to hot air leakage and consequent bleed loss, possibly resulting in the reduction of the system equipment safety margin.

(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 2019-0094, dated April 26, 2019 ("EASA AD 2019-0094").

(h) Exceptions to EASA AD 2019-0094

(1) Where EASA AD 2019-0094 refers to its effective date, this AD requires using the effective date of this AD.

(2) The "Remarks" section of EASA AD 2019-0094 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, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Section, Transport Standards 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 2019-0094 that contains RC procedures and tests: Except as required by paragraph (i)(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.

(j) Related Information

For more information about this AD, contact Sanjay Ralhan, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3223.

(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 2019-0094, dated April 26, 2019.

(ii) [Reserved]

(3) For information about EASA AD 2019-0094, contact the EASA, at Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 6017; 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, Transport Standards 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-2019-0522.

(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 in Des Moines, Washington, on September 23, 2019.
Dionne Palermo,
Acting Director, System Oversight Division, Aircraft Certification Service.
[FR Doc. 2019-24159 Filed 11-5-19; 8:45 am]

2019-20-11 ATR-GIE Avions de Transport Régional: Amendment 39-19764; Docket No. FAA-2019-0716; Product Identifier 2019-NM-168-AD.

(a) Effective Date

This AD becomes effective November 15, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to ATR-GIE Avions de Transport Régional Model ATR72-101, -102, -201, -202, -211, -212, and -212A airplanes, all manufacturer serial numbers, certificated in any category.

(d) Subject

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

(e) Reason

This AD was prompted by reports of incorrectly installed main landing gear (MLG) bushings. The FAA is issuing this AD to address MLG bushings installed in the inverted position, which could lead to MLG structural failure and subsequent collapse of the MLG, possibly resulting in damage to the airplane and injury to 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, European Union Aviation Safety Agency (EASA) AD 2019-0236, dated September 23, 2019 ("EASA AD 2019-0236").

(h) Exceptions to EASA AD 2019-0236

(1) For purposes of determining compliance with the requirements of this AD: Where EASA AD 2019-0236 refers to its effective date, this AD requires using the effective date of this AD.

(2) The "Remarks" section of EASA AD 2019-0236 does not apply to this AD.

(3) Paragraph (6) of EASA AD 2019-0236 specifies to report inspection results to ATR within a certain compliance time. For this AD, report inspection results at the applicable time specified in paragraph (h)(3)(i) or (ii) of this AD.

(i) If the inspection was done on or after the effective date of this AD: Submit the report within 30 days after the inspection.

(ii) If the inspection was done before the effective date of this AD: Submit the report within 30 days after the effective date of this AD.

(i) No Requirement for Return of Parts

Although the service information referenced in EASA AD 2019-0236 specifies to return parts 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, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (k) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

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

(3) Paperwork Reduction Act Burden Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 1 hour per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the Information Collection Clearance Officer, FAA, 10101 Hillwood Parkway, Fort Worth, TX 76177-1524.

(k) Related Information

For more information about this AD, contact Shahram Daneshmandi, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3220.

(l) Material Incorporated by Reference

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

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

(i) European Union Aviation Safety Agency (EASA) AD 2019-0236, dated September 23, 2019.

(ii) [Reserved]

(3) For information about EASA AD 2019-0236, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 6017; 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, Transport Standards 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 http://www.regulations.gov by searching for and locating Docket No. FAA-2019-0716.

(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: http://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued in Des Moines, Washington, on October 10, 2019.

Michael Kaszycki,

Acting Director, System Oversight Division, Aircraft Certification Service.

[FR Doc. 2019-23712 Filed 10-30-19; 8:45 am]

2019-21-04 Saab AB, Saab Aeronautics (Formerly Known as Saab AB, Saab Aerosystems): Amendment 39-19770; Docket No. FAA-2019-0520; Product Identifier 2019-NM-046-AD.

(a) Effective Date

This AD is effective December 11, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Saab AB, Saab Aeronautics (formerly known as Saab AB, Saab Aerosystems) Model SAAB 2000 airplanes, certificated in any category, all serial numbers, except serial numbers 006, 043, 056, and 061.

(d) Subject

Air Transport Association (ATA) of America Code 54, Nacelles/pylons.

(e) Reason

This AD was prompted by reports of loose and irregular fasteners at the forward end of the nacelle upper longeron, where the bulkhead frame and struts are attached to the engine mounting structure (EMS). The FAA is issuing this AD to address loose and irregular fasteners of the EMS which could cause development of cracks in the EMS, leading to failure of the affected engine mount-to-airplane structural connection, possibly resulting in significant airframe vibrations and detrimental effects on the surrounding pylon/nacelle structure, and loss of structural integrity.

(f) Compliance

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

(g) Modification of the EMS and Structural Attachments

Within 3,000 flight hours or 24 months, whichever occurs first after the effective date of this AD, modify the EMS and structural attachments, in accordance with the Accomplishment Instructions of Saab Service Bulletin 2000-54-036, Revision 02, dated January 18, 2019. Where Saab Service Bulletin 2000-54-036, Revision 02, dated January 18, 2019, specifies to contact Saab for appropriate action: Before further flight, accomplish corrective actions in accordance with the procedures specified in paragraph (i)(2) of this AD.

(h) Credit for Previous Actions

This paragraph provides credit for actions required by paragraph (g) of this AD, if those actions were performed before the effective date of this AD using Saab Service Bulletin 2000-54-036, dated November 6, 2018; or Saab Service Bulletin 2000-54-036, Revision 01, dated January 7, 2019.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

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

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

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2019-0054, dated March 18, 2019, for related information. This MCAI may be found in the AD docket on the internet at https://www.regulations.gov by searching for and locating Docket No. FAA-2019-0520.

(2) For more information about this AD, contact Shahram Daneshmandi, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; phone and fax: 206-231-3220.

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

(k) Material Incorporated by Reference

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

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

(i) Saab Service Bulletin 2000-54-036, Revision 02, dated January 18, 2019.

(ii) [Reserved]

(3) For service information identified in this AD, contact Saab AB, Saab Aeronautics, SE-581 88, Linköping, Sweden; phone: +46 13 18 5591; fax: +46 13 18 4874; email: saab2000.techsupport@saabgroup.com; internet: https://www.saabgroup.com.

(4) You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(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 in Des Moines, Washington, on October 18, 2019.
Dionne Palermo,
Acting Director, System Oversight Division, Aircraft Certification Service.
[FR Doc. 2019-24161 Filed 11-5-19; 8:45 am]

2019-21-05 Airbus SAS: Amendment 39-19771; Docket No. FAA-2019-0718; Product Identifier 2019-NM-128-AD.

(a) Effective Date

This AD becomes effective November 21, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Airbus SAS Model A330-200, A330-200 Freighter, A330-300, A340-200, A340-300, A340-500, and A340-600 series airplanes, certificated in any category, as identified in European Union Aviation Safety Agency (EASA) AD 2019-0176, dated July 19, 2019 ("EASA AD 2019-0176").

(d) Subject

Air Transport Association (ATA) of America Code 35, Oxygen.

(e) Reason

This AD was prompted by reports that non-approved passenger oxygen containers (POCs) may have been installed on the affected airplanes. The FAA is issuing this AD to address possible non-approved POC installation, which could lead to reduced available oxygen capacity, possibly resulting in injury to airplane occupants following a depressurization event.

(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 2019-0176.

(h) Exceptions to EASA AD 2019-0176

(1) Where EASA AD 2019-0176 refers to its effective date, this AD requires using the effective date of this AD.

(2) The "Remarks" section of EASA AD 2019-0176 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, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Section, Transport Standards 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 2019-0176 that contains RC procedures and tests: Except as required by paragraph (i)(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.

(j) Related Information

For more information about this AD, contact Vladimir Ulyanov, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3229.

(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 2019-0176, dated July 19, 2019.

(ii) [Reserved]

(3) For information about EASA AD 2019-0176, contact the EASA, at Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 6017; 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, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. EASA AD 2019-0176 may be found in the AD docket on the internet at https://www.regulations.gov by searching for and locating Docket No. FAA-2019-0718.

(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 in Des Moines, Washington, on October 18, 2019.
Dionne Palermo,
Acting Director, System Oversight Division, Aircraft Certification Service.
[FR Doc. 2019-24160 Filed 11-5-19; 8:45 am]

2019-21-06 Ipeco Holdings Limited: Amendment 39-19772; Docket No. FAA-2019-0260; Product Identifier 2017-NE-13-AD.

(a) Effective Date

This AD is effective December 13, 2019.

(b) Affected ADs

This AD replaces AD 2017-22-02, Amendment 39-19082 (82 FR 51552, November 7, 2017).

(c) Applicability

(1) This AD applies to:
(i) Ipeco Holdings Limited (Ipeco) pilot and co-pilot seats with a part number (P/N) listed in Paragraph 1.A., Planning Information, Tables 1 and 2, of Ipeco Service Bulletin (SB) Number 063-25-14, Revision 00, dated August 14, 2018, and
(ii) Ipeco pilot seat P/N 3A063-0099-01-1 and Ipeco co-pilot seat P/N 3A063-0100-01-1.
(2) These seats are installed on, but not limited to, ATR-GIE Avions de Transport Regional ATR 42 and ATR 72 airplanes.

(d) Subject

Joint Aircraft System Component (JASC) Code 2510, Flight Compartment Equipment.

(e) Unsafe Condition

This AD was prompted by reports of tracklock spring failures occurring on affected seats, including those seats already modified by AD 2017-22-02. The FAA is issuing this AD to prevent unexpected movement of pilot and co-pilot seats on takeoff and landing. The unsafe condition, if not addressed, could result in reduced control of the airplane.

(f) Compliance

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

(g) Required Action

(1) For seats that have not installed the tracklock spring modification kit, within two years after December 12, 2017 (the effective date of AD 2017-22-02), modify and re-identify each affected pilot and co-pilot seat. Use the Accomplishment Instructions of Ipeco SB Number 063-25-08, Revision 00; Ipeco SB Number 063-25-09, Revision 00; or Ipeco SB Number 063-25-10, Revision 00; all dated May 31, 2016, as appropriate, to do the modification and re-identification.
(2) For all affected seats:

(i) Within 750 flight hours (FHs) after the effective date of this AD, and, thereafter at intervals not to exceed 750 FHs, inspect the tracklock spring of each seat in accordance with the Accomplishment Instructions, paragraph 3.2, of the Ipeco SB Number 063-25-14, Revision 00, dated August 14, 2018.

(ii) If, during any inspection as required by paragraph (g)(2)(i) of this AD, any damage on, or incorrect installation of, any tracklock spring is found on the pilot or co-pilot seat, before further flight, replace both tracklock springs of the affected seat with a part eligible for installation using the Accomplishment Instructions, paragraphs 3.3.3.1 or 3.3.3.2, as applicable, of the Ipeco SB Number 063-25-14, Revision 00, dated August 14, 2018.

(3) Within 30 days after the initial and repetitive inspections, and thereafter for two years after the effective date of this AD, send the inspection results, including no findings, to Ipeco at technicalsupport@ipeco.com.

(h) Installation Prohibition

After the effective date of this AD, do not install any pilot or co-pilot seat identified in paragraph (c)(1)(i) of this AD unless the seat is modified and re-identified as specified in paragraph (g)(1) of this AD.

(i) Definitions

(1) For the purpose of this AD, “damage” includes cracks, breaks, corrosion, or deformation of the tracklock spring.

(2) For the purpose of this AD, “incorrect installation” is installing the tracklock spring at an angle or position different from the angle or postion shown in Figures 6 and 7 of Ipeco SB Number 063-25-14, Revision 00, dated August 14, 2018.

(3) For the purpose of this AD, a “part eligible for installation” is:

(i) A modified seat provided, before installation, it has passed an inspection (no damage or defect found); and

(ii) a tracklock spring provided that it passed an inspection (no damage or defect found).

(j) Paperwork Reduction Act Burden Statement

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Federal Aviation Administration, 10101 Hillwood Parkway, Fort Worth, TX 76177-1524.

(k) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Boston ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to the attention of the person identified in paragraph (l)(1) of this AD.

(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.

(l) Related Information

(1) For more information about this AD, contact Neil Doh, Aerospace Engineer, Boston ACO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7757; fax: 781-238-7199; email: neil.doh@faa.gov.

(2) Refer to European Union Aviation Safety Agency (EASA) AD 2018-0262, dated December 6, 2018, for more information. You may examine the EASA AD in the AD docket on the internet at https://www.regulations.gov by searching for and locating it in Docket No. FAA-2019-0260.

(m) Material Incorporated by Reference

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

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

(3) The following service information was approved for IBR on December 13, 2019.

(i) Ipeco Service Bulletin (SB) Number 063-25-14, Revision 00, dated August 14, 2018.

(ii) Reserved.

(4) The following service information was approved for IBR on December 12, 2017 (82 FR 51552, November 7, 2017).

(i) Ipeco SB Number 063-25-08, Revision 00, dated May 31, 2016.

(ii) Ipeco SB Number 063-25-09, Revision 00, dated May 31, 2016.

(iii) Ipeco SB Number 063-25-10, Revision 00, dated May 31, 2016.

(5) For Ipeco service information identified in this AD, contact Ipeco Holdings Limited, Aviation Way, Southend-on-Sea, SS2 6UN, United Kingdom; phone: 44 1702 549371; fax: 44 1702 540782; email: sales@Ipeco.com.

(6) You may view this service information at FAA, Engine and Propeller Standards Branch, 1200 District Avenue, Burlington, MA 01803. For information on the availability of this material at the FAA, call 781-238-7759.

(7) You may view this service information 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 in Burlington, Massachusetts, on October 25, 2019.
Karen M. Grant,
Acting Manager, Engine and Propeller Standards Branch,
Aircraft Certification Service.

2019-21-07 Airbus SAS: Amendment 39-19773; Docket No. FAA-2019-0724; Product Identifier 2019-NM-134-AD.

(a) Effective Date

This AD becomes effective November 21, 2019.

(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 2019-0181, dated July 26, 2019 ("EASA AD 2019-0181").

(d) Subject

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

(e) Reason

This AD was prompted by a report of cracked external lugs of the aluminum cargo door latch fittings in the lower part of the forward and aft cargo doors. The FAA is issuing this AD to address this condition, which, if not detected and corrected, could result in rapid decompression or loss of structural integrity of the airplane.

(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 2019-0181.

(h) Exceptions to EASA AD 2019-0181

(1) Where EASA AD 2019-0181 refers to its effective date, this AD requires using the effective date of this AD.

(2) The "Remarks" section of EASA AD 2019-0181 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, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Section, Transport Standards 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 2019-0181 that contains RC procedures and tests: Except as required by paragraph (i)(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.

(j) Related Information

For more information about this AD, contact Kathleen Arrigotti, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3218.

(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 2019-0181, dated July 26, 2019.

(ii) [Reserved]

(3) For information about EASA AD 2019-0181, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 6017; 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, Transport Standards 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-2019-0724.

(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 in Des Moines, Washington, on October 18, 2019.
Dionne Palermo,
Acting Director, System Oversight Division, Aircraft Certification Service.
[FR Doc. 2019-24191 Filed 11-5-19; 8:45 am]

2019-21-11 Pratt & Whitney: Amendment 39-19777; Docket No. FAA-2019-0843; Product Identifier 2019-NE-27-AD.

(a) Effective Date

This AD is effective October 29, 2019.

(b) Affected ADs

This AD replaces AD 2019-19-11, Amendment 39-19747 (84 FR 50719, September 26, 2019).

(c) Applicability

This AD applies to Pratt & Whitney Model PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A model turbofan engines that have accumulated fewer than 300 flight cycles since new (CSN) or that have accumulated fewer than 300 flight cycles since installation of v2.11.7 or v2.11.8 electronic engine control (EEC) software.

(d) Subject

Joint Aircraft System Component (JASC) Code 7230, Turbine Engine Compressor Section.

(e) Unsafe Condition

This AD was prompted by a recent in-flight shutdown due to failure of the low-pressure compressor (LPC) rotor 1 (R1) and by findings of cracked LPC R1s during inspections. The FAA is issuing this AD to prevent failure of the LPC R1. The unsafe condition, if not addressed, could result in uncontained release of the LPC R1, damage to the engine, damage to the airplane, and loss of control of the airplane.

(f) Compliance

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

(g) Required Actions

(1) Except for those engines identified in paragraph (g)(2) of this AD, borescope inspect the LPC R1 for damage and cracks at the locations in paragraph (g)(1)(iv) of this AD as follows:

(i) For engines that have accumulated fewer than 300 flight cycles since new (CSN), inspect within 50 flight cycles from September 26, 2019 (the effective date of AD 2019-19-11).

(ii) For engines that have accumulated fewer than 300 flight cycles since installation of v2.11.7 or v2.11.8 electronic engine control (EEC) software, inspect within 50 flight cycles from the effective date of this AD.

(iii) Thereafter, at intervals not to exceed 50 flight cycles until the engine accumulates 300 flight CSN or accumulates 300 flight cycles since the installation of v2.11.7 or v2.11.8 EEC software, whichever occurs later, repeat this borescope inspection for damage and cracks at the locations in paragraph (g)(1)(iv) of this AD.

(iv) Perform the borescope inspection required by paragraphs (g)(1)(i) through (iii) of this AD at the following locations:

(A) the blades tips;

(B) the leading edge;

(C) the leading edge fillet to rotor platform radius; and

(D) the airfoil convex side root fillet to rotor platform radius.

(2) For all affected PW model turbofan engines installed as a "zero time spare," except for PW1519G, PW1521GA and PW1919G model turbofan engines, within 15 flight cycles from the effective date of this AD, and thereafter at intervals not to exceed 15 flight cycles until the engine accumulates 300 flight CSN, perform the borescope inspections required by paragraph (g)(1) of this AD.

(3) As the result of the inspections required by paragraphs (g)(1) and (2) of this AD, before further flight, remove and replace the LPC if:

(i) there is damage on an LPC R1 that exceeds serviceable limits; or

(ii) there is any crack in the LPC R1.

Note 1 to paragraph (g): Guidance on determining serviceable limits can be found in PW Service Bulletin (SB) PW1000G-A-72-00-0125-00A-930A-D, Issue No. 002, dated October 22, 2019, and PW SB PW1000G-A-72-00-0075-00B-930A-D, Issue No. 003, dated October 22, 2019.

(h) Definition

For the purpose of this AD, a "zero time spare" is an engine that had zero flight hours time-in-service when it was installed on an airplane after the airplane had entered service.

(i) 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 paragraph (j) of this AD. 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.

(j) Related Information

For more information about this AD, contact Kevin M. Clark, Aerospace Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7088; fax: 781-238-7199; email: kevin.m.clark@faa.gov.

(k) Material Incorporated by Reference

None.

Issued in Burlington, Massachusetts, on October 25, 2019.
Karen M. Grant,
Acting Manager, Engine & Propeller Standards Branch,
Aircraft Certification Service.