

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

**LARGE AIRCRAFT
BIWEEKLY 2020-12**

5/25/2020 - 6/7/2020



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
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Oklahoma City, OK 73125-0460

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LARGE AIRCRAFT

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

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



2020-11-11 The Boeing Company: Amendment 39-19915; Docket No. FAA-2020-0461; Product Identifier 2020-NM-065-AD.

(a) Effective Date

This AD is effective June 18, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to The Boeing Company Model 777-200, -200LR, -300, -300ER, and 777F series airplanes, certificated in any category, equipped with a Center Wing Tank (CWT) having a capacity of 26,100 U.S. gallons or greater.

(d) Subject

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

(e) Unsafe Condition

The FAA is issuing this AD to address discrepancies in the CWT fuel quantity indicating system (FQIS) fuel quantity and the refueling truck uploaded fuel amount, which could result in an airplane dispatched with insufficient fuel loaded in the CWT and with the flight crew unaware of the insufficient fuel prior to departure. This condition, coupled with continued flight to the destination airport after receiving engine-indicating and crew-alerting system (EICAS) messages while en route to the destination, could result in fuel exhaustion and subsequent power loss of all engines. Thereby, resulting in the inability to land at the destination airport or at a diversion airport, possibly leading to uncontrolled flight into terrain.

(f) Compliance

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

(g) CWT Fuel Quantity Check—"Refueling Station Door Cycling Procedure"

Within 30 days after the effective date of this AD: Check the fuel quantity of the CWT by doing the "Refueling Station Door Cycling Procedure" as specified in paragraphs (g)(1) through (6) of this AD. Thereafter, check the fuel quantity of the CWT as specified in paragraphs (g)(1) through (6) of this AD before further flight after any center tank fueling (adding or removing fuel).

(1) Get access to the refueling station door and integrated refuel panel on the left wing.

(2) Close and latch the refueling station door on the left wing for a minimum of five (5) seconds. If installed, make sure the right wing refueling station door is closed.

(3) Re-open the refueling station door and wait for the fuel quantity display to reset.

(4) Make sure that the center or total fuel tank quantities still remain within fuel load sheet requirements. If the fuel quantity is incorrect then accomplish actions specified in paragraphs (g)(4)(i) and (ii) of this AD.

(i) Adjust fuel loading as applicable for fuel upload parameters. Refer to operator's refuel procedures for adjusting the fuel load.

(ii) Repeat the "Refueling Station Door Cycling Procedure," starting at paragraph (g)(2) of this AD.

(5) Close the refueling station door.

(6) Notify the operator after the "Refueling Station Door Cycling Procedure" has been done, and correct fuel load verified.

(h) Process To Provide Documentation to the Flight Crew

Within 30 days after the effective date of this AD, submit a process to the FAA (Flight Standards) for approval that describes at the end of the fueling process and before each flight how documentation is provided to the flight crew that the CWT fuel quantity check using the "Refueling Station Door Cycling Procedure" specified in paragraph (g) of this AD was done.

(i) Airplane Flight Manual (AFM) Revision Requiring Flight Crew Verification

(1) Within 30 days after the effective date of this AD: Revise the "Certificate Limitations: Fuel Quantity Indication System (FQIS)" section of the operator's existing AFM by incorporating the information specified in figure 1 to paragraph (i)(1) of this AD.

Figure 1 to paragraph (i)(1) - *Certificate Limitations: Center Wing Tank Fuel Quantity Check*

**Certificate Limitations: Fuel Quantity Indication System (FQIS)
(Required by AD 2020-11-11)**

Operating limitation requiring flight crew verification that the aircraft refueling station door was cycled.

When fuel is added to or removed from the center fuel tank, the Flight Crew must acknowledge they have received notification that the aircraft refueling station door has been cycled in accordance with the Normal Procedures Section procedure titled: Fuel Quantity Indication System (FQIS) *Refueling Station Door Cycling Procedure*

(2) Within 30 days after the effective date of this AD: Revise the "Normal Procedures: Fuel Quantity Indication System (FQIS)–Refueling Station Door Cycling Procedure" section of the operator's existing AFM by incorporating the information specified in figure 2 to paragraph (i)(2) of this AD.

**Figure 2 to paragraph (i)(2) - Normal Procedures: Center Wing Tank Fuel
Quantity Check**

**Normal Procedures: Fuel Quantity Indication System (FQIS) Refueling Station
Door Cycling Procedure (Required by AD 2020-11-11)**

Note: The flight crew is not expected to complete this procedure but is required to acknowledge that the procedure has been completed.

A fault has been discovered in the fuel quantity indication system (FQIS) where the calculated and displayed fuel quantity can be significantly different from the actual fuel load onboard.

To correct the inaccurate fuel load indication, perform the following after every CWT fueling (adding or removing fuel) and before further flight:

- a) Get access to the refueling station door and integrated refuel panel on the left wing.
- b) Close and latch the refueling station door on the left wing for a minimum of five (5) seconds. If installed, make sure the right wing refueling station door is closed.
- c) Re-open the refueling station door and wait for the fuel quantity display to reset.
- d) Make sure that the center or total fuel tank quantities still remain within fuel load sheet requirements. If the fuel quantity is incorrect then accomplish the following actions:
 - 1) Adjust fuel loading as applicable for fuel upload requirements per the operator's refuel procedures.
 - 2) Repeat the "Refueling Station Door Cycling Procedure," starting at step b).
- e) Close the refueling station door.
- f) Notify the operator after the "Refueling Station Door Cycling Procedure" has been done, and correct fuel load verified.

(j) 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 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 (k) of this AD. Information may be emailed to: 9-ANM-Seattle-ACO-AMOC-Requests@faa.gov.

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

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by The Boeing 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.

(k) Related Information

For more information about this AD, contact Kevin Nguyen, Aerospace Engineer, Propulsion Section, FAA, Seattle ACO Branch, 2200 South 216th St., Des Moines, WA 98198; phone and fax: 206-231-3555; email: kevin.nguyen@faa.gov.

(l) Material Incorporated by Reference

None.

Issued on May 28, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-11993 Filed 5-29-20; 4:15 pm]



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www.faa.gov/aircraft/safety/alerts/
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2020-12-03 Rolls-Royce Deutschland Ltd & Co KG (Type Certificate previously held by Rolls-Royce plc): Amendment 39-21138; Docket No. FAA-2020-0547; Project Identifier MCAI-2020-00270-E.

(a) Effective Date

This AD is effective June 18, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Rolls-Royce Deutschland Ltd. & Co KG (Type Certificate previously held by Rolls-Royce plc) Trent XWB-97 model turbofan engines.

(d) Subject

Joint Aircraft System Component (JASC) Code 7200, Engine (Turbine/Turboprop).

(e) Unsafe Condition

This AD was prompted by the manufacturer's finding that a P30 (air pressure) sense line could become partially blocked with a mixture of ice and water, which would cause a time-lag in the P30 signal, interfering with the fuel flow limit calculations. The FAA is issuing this AD to prevent interference with the fuel flow limit calculations within the engine control system. The unsafe condition, if not addressed, could result in loss of thrust control and reduced control of the airplane.

(f) Compliance

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

(g) Required Actions

Within 365 days after the effective date of this AD, update the electronic engine control (EEC) software with EEC software that is eligible for installation.

(h) Definition

For the purpose of this AD, EEC software eligible for installation is EEC software XWB_97-7.0, part number RRY23XWB0001024, or later.

(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)(1) 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

(1) For more information about this AD, contact Stephen Elwin, Aerospace Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7236; fax: 781-238-7199; email: stephen.l.elwin@faa.gov.

(2) Refer to European Union Aviation Safety Agency (EASA) AD 2020-0035, dated February 26, 2020, 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-2020-0547.

(k) Material Incorporated by Reference

None.

Issued on May 29, 2020.

Gaetano A. Sciortino,
Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-11983 Filed 6-2-20; 8:45 am]