

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

**LARGE AIRCRAFT
BIWEEKLY 2019-15**

7/8/2019 - 7/21/2019



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
P.O. Box 25082
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 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/P2, -1B70/P2, -1B70/P2, -1B74/P1, -1B75/P1, -1B70C/P2, -1B70/P2, -1B70/P2, -1B74/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
2018-26-08		Airbus SAS	Note: Was missing from BW2019-01 A320-214, A320-232, A320-233, A321-211, and A321-231 airplanes
2019-03-03	A 2016-17-03	Airbus SAS	Note: Was missing from BW2019-01 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



2019-10-02 Saab AB, Saab Aeronautics (Formerly Known as Saab AB, Saab Aerosystems):
Amendment 39-19641; Docket No. FAA-2018-1067; Product Identifier 2018-NM-158-AD.

(a) Effective Date

This AD is effective August 15, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Saab AB, Saab Aeronautics Model SAAB 2000 airplanes, certificated in any category, all serial numbers.

(d) Subject

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

(e) Reason

This AD was prompted by an event where the airplane did not respond to the flightcrew's flight control inputs because the pitch trim switches did not disconnect the autopilot. We are issuing this AD to address events where the airplane does not respond to the flightcrew's flight control inputs because the autopilot remains engaged, possibly resulting in loss of control of the airplane.

(f) Compliance

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

(g) Modification

Within 3,000 flight hours or 24 months after the effective date of this AD, whichever occurs first: Modify the wiring for the autopilot disconnect logic, in accordance with the Accomplishment Instructions of Saab Service Bulletin 2000-22-008, dated June 15, 2018.

(h) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending

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

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

(i) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2018-0240, dated November 7, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-1067.

(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; telephone and fax: 206-231-3220.

(j) Material Incorporated by Reference

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

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

(i) Saab Service Bulletin 2000-22-008, dated June 15, 2018.

(ii) [Reserved]

(3) For service information identified in this AD, contact Saab AB, Saab Aeronautics, SE-581 88, Linköping, Sweden; telephone +46 13 18 5591; fax +46 13 18 4874; email saab2000.techsupport@saabgroup.com; internet <http://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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on July 3, 2019.

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



2019-12-02 Bombardier Inc.: Amendment 39-19657; Docket No. FAA-2019-0019; Product Identifier 2018-NM-130-AD.

(a) Effective Date

This AD is effective August 12, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bombardier, Inc., Model BD-700-1A10 and BD-700-1A11 airplanes, certificated in any category, serial numbers 9002 through 9831 inclusive, and 9998.

(d) Subject

Air Transport Association (ATA) of America Code 24, Electrical Power.

(e) Reason

This AD was prompted by reports of low clearance between the variable frequency generator (VFG) power feeder cables and adjacent hydraulic lines and/or fuel lines in the aft equipment bay, which could cause chafing damage. The FAA is issuing this AD to address this unsafe condition, which could result in a hydraulic/fuel leak and electrical arcing as an ignition source, and could cause an in-flight fire.

(f) Compliance

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

(g) Routing Modification

Within 24 months after the effective date of this AD: Modify the routing of the VFG power feeder cables and harnesses in the aft equipment bay to ensure the required clearance between the cables and the hydraulic lines and/or fuel lines, in accordance with the Accomplishment Instructions of the applicable service information listed in figure 1 to paragraph (g) of this AD.

Figure 1 to paragraph (g) – Service information for modification

Airplane Model/Serial No.	Bombardier Service Information
BD-700-1A10 9002 through 9312 inclusive; 9314 through 9380 inclusive; 9384 through 9429 inclusive	Service Bulletin 700-24-089, Revision 02, dated September 27, 2018
BD-700-1A10 9313, 9381, and 9432 through 9831 inclusive	Service Bulletin 700-24-6014, Revision 02, dated September 27, 2018
BD-700-1A11 9127 through 9383 inclusive; 9389 through 9400 inclusive; 9404 through 9431 inclusive; and 9998	Service Bulletin 700-1A11-24-028, Revision 02, dated September 27, 2018
BD-700-1A11 9386, 9401, and 9445 through 9831 inclusive	Service Bulletin 700-24-5014, Revision 02, dated September 27, 2018

(h) Credit for Previous Actions

(1) This paragraph provides credit for the modification required by paragraph (g) of this AD for airplanes on which the modification specified in Bombardier Service Bulletin 700-24-6014 was performed before the effective date of this AD using Bombardier Service Request for Product Support Action (SRPSA) 000236314.

(2) This paragraph provides credit for the modification required by paragraph (g) of this AD, if the modification was performed before the effective date of this AD using the service information specified in paragraphs (h)(2)(i) through (h)(2)(iv) of this AD.

(i) Bombardier Service Bulletin 700-24-089, dated April 25, 2018, or Revision 01, dated August 21, 2018.

(ii) Bombardier Service Bulletin 700-24-6014, dated April 25, 2018, or Revision 01, dated August 21, 2018.

(iii) Bombardier Service Bulletin 700-1A11-24-028, dated April 25, 2018, or Revision 01, dated August 21, 2018.

(iv) Bombardier Service Bulletin 700-24-5014, dated April 25, 2018, or Revision 01, dated August 21, 2018.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

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

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager,

New York ACO Branch, FAA; or Transport Canada Civil Aviation (TCCA); or Bombardier, Inc.'s TCCA Design Approval Organization (DAO). If approved by the DAO, the approval must include the DAO-authorized signature.

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2018-22, dated August 2, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0019.

(2) For more information about this AD, contact Steven Dzierzynski, Aerospace Engineer, Avionics and Electrical Systems Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7367; fax 516-794-5531; email 9-avs-nyaco-cos@faa.gov.

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

(k) Material Incorporated by Reference

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

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

(i) Bombardier Service Bulletin 700-1A11-24-028, Revision 02, dated September 27, 2018.

(ii) Bombardier Service Bulletin 700-24-089, Revision 02, dated September 27, 2018.

(iii) Bombardier Service Bulletin 700-24-5014, Revision 02, dated September 27, 2018.

(iv) Bombardier Service Bulletin 700-24-6014, Revision 02, dated September 27, 2018.

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

(4) You may view this service information at the FAA, Transport 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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on June 18, 2019.

Michael Kaszycki,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2019-12-08 Bombardier, Inc.: Docket No. FAA-2019-0119; Product Identifier 2018-NM-156-AD.

(a) Effective Date

This AD is effective August 12, 2019.

(b) Affected ADs

None.

(c) Applicability

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

(1) Model CL-600-2D15 (Regional Jet Series 705) and CL-600-2D24 (Regional Jet Series 900) airplanes, serial numbers (S/Ns) 15336 through 15343 inclusive, 15351, and 15358 through 15362 inclusive.

(2) Model CL-600-2E25 (Regional Jet Series 1000) airplanes, S/N 19041.

(d) Subject

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

(e) Reason

This AD was prompted by reports that certain aft fuselage fittings are susceptible to cracking because they were not manufactured correctly. The FAA is issuing this AD to address the possibility of undetected cracks developing in the aft fuselage fittings due to the absence of heat treatment, which could lead to aircraft structural failure.

(f) Compliance

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

(g) Required Actions

Within 8,800 flight hours after the effective date of this AD, remove all aft fuselage fittings, replace with new aft fuselage fittings, and do an eddy current inspection of the fastener holes of frame FS1162.00 and stringers 17L, 17R, and 18L for cracking, in accordance with Part C of the Accomplishment Instructions of Bombardier Service Bulletin 670BA-53-056, dated February 11, 2016.

(h) Corrective Action for Cracking

If any crack is found during any inspection required by paragraph (g) of this AD: Before further flight, repair using a method approved by the Manager, New York ACO Branch, FAA; or Transport Canada Civil Aviation (TCCA); or Bombardier, Inc.'s TCCA Design Approval Organization (DAO). If approved by the DAO, the approval must include the DAO-authorized signature.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

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

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

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2018-25, dated October 3, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0119.

(2) For more information about this AD, contact Aziz Ahmed, Aerospace Engineer, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590; telephone: 516-287-7329; fax: 516-794-5531; email: Aziz.Ahmed@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) Bombardier Service Bulletin 670BA-53-056, dated February 11, 2016.

(ii) [Reserved]

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

(4) You may view this service information at the FAA, Transport Standards Branch, 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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on June 18, 2019.
Michael Kaszycki,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2019-12-09 Rockwell Collins, Inc.: Amendment 39-19664 ; Docket No. FAA-2019-0469 Product Identifier 2019-CE-028-AD.

(a) Effective Date

This AD is effective July 23, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Rockwell Collins, Inc. (Rockwell Collins) Flight Display System Application FDSA-6500 part numbers 810-0234-1H0001, 810-0234-1H0002, 810-0234-1H0003, 810-0234-2H0001, 810-0234-2C0001, 810-0234-2C0002, and 810-0234-4B0001. These appliances are installed on, but not limited to, Bombardier Inc. Model CL-600-2B16 (604 variant) airplanes and Textron Aviation Inc. Models 525B, B200, B200C, B200CGT, B200GT, B300, B300C, and C90GTi airplanes, certificated in any category.

Note 1 to paragraph (c) of this AD: Rockwell Collins Operator Bulletin OPSB 0193-19R1, Revision 1, dated April 3, 2019, contains additional information related to the Applicability of this AD.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 34; Navigation.

(e) Unsafe Condition

This AD was prompted by a conflict between the traffic collision avoidance system (TCAS) primary display indications and aural alerts during a resolution advisory (RA) scenario. The FAA is issuing this AD to prevent conflicting TCAS information. The unsafe condition, if not addressed, could result in the pilot under-correcting or over-correcting and may lead to inadequate aircraft separation and a mid-air collision.

(f) Compliance

Comply with this AD within 30 days after July 23, 2019 (the effective date of this AD), unless already done.

(g) Operating Limitations

(1) Revise the airplane flight manual (AFM) or AFM supplement (AFMS) by adding the following text to the Limitations section: For TCAS II installations, during flight, do not operate TCAS in the “TA/RA” mode; TCAS may only be operated in “TA Only” mode.

Note 2 to paragraphs (g) and (h) of this AD: In “TA/RA” mode, the TA stands for traffic advisory and RA stands for resolution advisory.

(2) Fabricate a placard for each aircraft primary flight display, using at least 1/8 inch letters, with the following text: TCAS Flight Ops–TA Only mode (TA/RA mode prohibited).

(3) Install the placard on the bottom of each aircraft primary flight display bezel in the area depicted in figure 1 to paragraph (g)(3) of this AD.

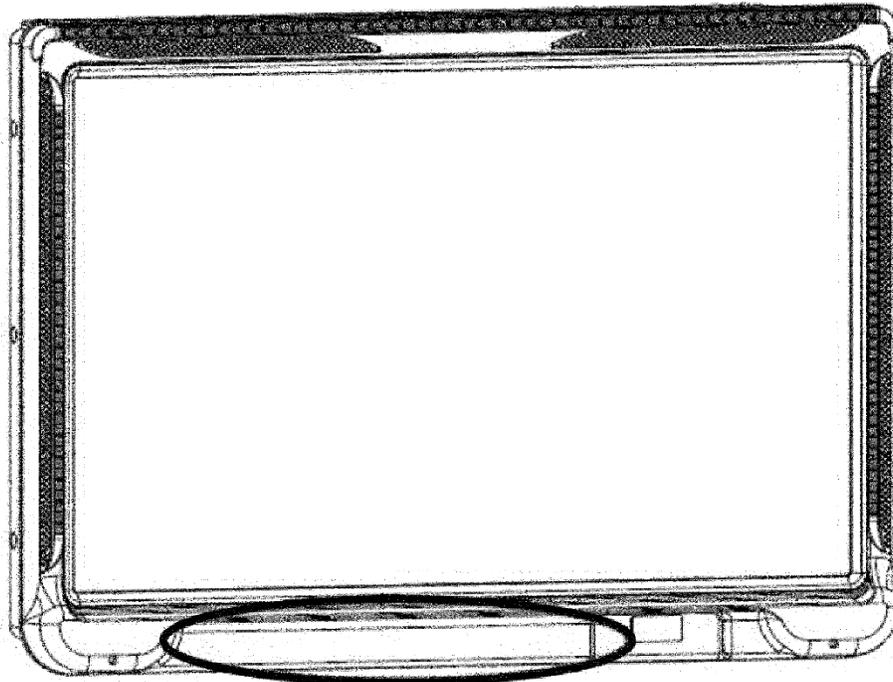


Figure 1 to paragraph (g)(3) of this AD; placard location on bezel

(4) In addition to the provisions of 14 CFR 43.3 and 43.7, the actions required by paragraph (g)(1) through (3) of this AD may be performed by the owner/operator (pilot) holding at least a private pilot certificate and must be entered into the aircraft records showing compliance with this AD in accordance with 14 CFR 43.9(a)(1) through (4) and 14 CFR 91.417(a)(2)(v). The record must be maintained as required by 14 CFR 91.417. This authority is not applicable to aircraft being operated under 14 CFR part 119.

(h) Special Flight Permit

A special flight permit may be issued with the following limitation: Flight operation with the TCAS II in “TA/RA” mode is prohibited. Flight operation with the TCAS is only permitted in “TA Only” mode.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Wichita 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 (j).

(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 Nhien Hoang, Aerospace Engineer, Wichita ACO Branch, FAA, 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4157; fax: (316) 946-4107; email: nhien.hoang@faa.gov or Wichita-COS@faa.gov.

(2) Rockwell Collins Operator Bulletin OPSB 0193-19R1, Revision 1, dated April 3, 2019, contains additional information related to this AD. You may obtain copies of this service information by contacting Rockwell Collins, Inc. at Collins Aviation Services, 400 Collins Road NE, M/S 164-100, Cedar Rapids, IA 52498-0001; telephone: 888-265-5467 (U.S.) or 319-265-5467; fax: 319-295-4941 (outside U.S.); email: techmanuals@rockwellcollins.com; internet: http://www.rockwellcollins.com/Services_and_Support/Publications.aspx.

Issued in Fort Worth, Texas, on June 28, 2019.

James A. Grigg,

Acting Deputy Director for Regulatory Operations, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2019-14307 Filed 7-5-19; 8:45 am]



2019-12-11 Bombardier, Inc.: Amendment 39-19666; Docket No. FAA-2018-1008; Product Identifier 2018-NM-126-AD.

(a) Effective Date

This AD is effective August 23, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bombardier, Inc., Model CL-600-2B19 (Regional Jet Series 100 & 440) airplanes, certificated in any category, having serial numbers 7003 through 7067 inclusive and 7069 through 7891 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 27, Flight Controls.

(e) Reason

This AD was prompted by reports indicating there is a possibility of excessive error in the signal generated by the angle of attack (AOA) transducer. The FAA is issuing this AD to address this potential error, which, if not detected by the stall protection computer, could lead to late activation of the stall protection system and possible loss of control of the airplane.

(f) Compliance

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

(g) Replacement of AOA Transducers

Within 9,000 flight hours or 46 months, whichever occurs first, after the effective date of this AD, replace the AOA transducers having part number (P/N) 45-150-340, C16258AA, or C16258AB, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 601R-27-165, dated December 20, 2016.

(h) Parts Installation Prohibition

As of the effective date of this AD, no person may install any AOA transducer having P/N 45-150-340, C16258AA, or C16258AB, on any Bombardier, Inc., Model CL-600-2B19 airplane.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

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

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

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2018-17, dated June 29, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-1008.

(2) For more information about this AD, contact John DeLuca, Aerospace Engineer, Avionics and Electrical Systems Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7369; fax 516-794-5531; email 9-avs-nyaco-cos@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) Bombardier Service Bulletin 601R-27-165, dated December 20, 2016.

(ii) [Reserved]

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

(4) You may view this service information at the FAA, Transport Standards Branch, 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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on June 28, 2019.

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



2019-12-16 Airbus SAS: Amendment 39-19671; Docket No. FAA-2019-0496; Product Identifier 2019-NM-055-AD.

(a) Effective Date

This AD becomes effective July 23, 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 Aviation Safety Agency (EASA) AD 2019-0065, dated March 27, 2019 (“EASA AD 2019-0065”).

(d) Subject

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

(e) Reason

This AD was prompted by a report that the capability of the diagonal struts fitted at fuselage frame 102 is below the expected design specifications. The FAA is issuing this AD to address diagonal struts that are below the expected design specifications, which could affect the structural integrity of the rear cone of the fuselage.

(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 2019-0065.

(h) Exceptions to EASA AD 2019-0065

The “Remarks” section of EASA AD 2019-0065 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 2019-0065 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 Aviation Safety Agency (EASA) AD 2019-0065, dated March 27, 2019.

(ii) [Reserved]

(3) For EASA AD 2019-0065, 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 EASA AD 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 2019-0065 may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0496.

(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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on June 21, 2019.

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



2019-12-17 Bombardier, Inc.: Amendment 39-19672; Docket No. FAA-2019-0189; Product Identifier 2019-NM-001-AD.

(a) Effective Date

This AD is effective August 12, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bombardier, Inc., Model DHC-8-102, -103, -106, -201, -202, -301, -311, and -315 airplanes, certificated in any category, serial numbers 003 through 672 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 55, Stabilizers.

(e) Reason

This AD was prompted by the reported loss of an elevator spring tab balance weight prior to takeoff. The FAA is issuing this AD to address tolerance stack-up between the balance weight and the hinge arm that can allow the attachment bolts to fret with the hinge arm and result in wear, fracture, and loss of the spring tab balance weight. Loss of the spring tab balance weight can lead to unacceptable flutter margins and loss of the airplane.

(f) Compliance

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

(g) Inspection and Corrective Actions

Within 600 flight hours after the effective date of this AD, perform a detailed inspection of the two balance weights and a detailed inspection of the two hinge arms on each elevator spring tab (left hand and right hand), in accordance with Section 3.B, Part A, of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018.

(1) If any of the balance weight attachment locknuts, part number (P/N) MS 21042-4, is found fractured, loose, or missing: Before further flight conduct the rectification in accordance with Section 3.B, Part B, of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018.

(2) If the balance weight is found not secure: Within 60 flight hours after the inspection required by paragraph (g) of this AD, repair any damage to the hinge arm and permanently secure the mass

balance, in accordance with Section 3.B, Part B, of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018.

(3) If the balance weight is found secure: Within 5,000 flight hours after the inspection required by paragraph (g) of this AD, repair any damage to the hinge arm and permanently secure the mass balance, in accordance with Section 3.B, Part B, of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018.

(4) Where Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018, specifies to contact Bombardier 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 paragraphs (g), (g)(2), (g)(3), and (g)(4) of this AD, if those actions were performed before the effective date of this AD using Section 3.B of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, dated April 17, 2018, provided that within 600 flight hours after the effective date of this AD, a detailed visual inspection of the balance weight locknuts, P/N MS 21042-4, is performed in accordance with Section 3.B, Part C, of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018, and the rectification is performed before further flight for any fractured, loose, or missing balance weight attachment locknuts, P/N MS 21042-4, in accordance with Section 3.B, Part B, of the Accomplishment Instructions of Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

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

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

(j) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2018-30, dated November 7, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0189.

(2) For more information about this AD, contact Andrea Jimenez, Aerospace Engineer, Airframe and Mechanical Systems Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7330; fax 516-794-5531; email 9-avs-nyaco-cos@faa.gov.

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

(k) Material Incorporated by Reference

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

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

(i) Bombardier Service Bulletin 8-55-27, Revision A, dated August 15, 2018.

(ii) [Reserved]

(3) For service information identified in this AD, contact Bombardier, Inc., Q-Series Technical Help Desk, 123 Garratt Boulevard, Toronto, Ontario M3K 1Y5, Canada; telephone 416-375-4000; fax 416-375-4539; email thd.qseries@aero.bombardier.com; internet <http://www.bombardier.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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on June 21, 2019.

Dionne Palermo,

Acting Director, System Oversight Division, Aircraft Certification Service.

[FR Doc. 2019-14412 Filed 7-5-19; 8:45 am]



2019-13-02 The Boeing Company: Amendment 39-19675; Docket No. FAA-2019-0022; Product Identifier 2018-NM-162-AD.

(a) Effective Date

This AD is effective August 23, 2019.

(b) Affected ADs

None.

(c) Applicability

(1) This AD applies to The Boeing Company Model 737-200, -200C, -300, -400, and -500 airplanes, certificated in any category, as identified in Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018.

(2) Installation of Supplemental Type Certificate (STC) ST01219SE does not affect the ability to accomplish the actions required by this AD. Therefore, for airplanes on which STC ST01219SE is installed, a “change in product” alternative method of compliance (AMOC) approval request is not necessary to comply with the requirements of 14 CFR 39.17.

(d) Subject

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

(e) Unsafe Condition

This AD was prompted by reports of cracking in the lower lobe skin panel assemblies of the fuselage and an evaluation by the design approval holder (DAH) indicating that the lower lobe skin panel assemblies of the fuselage are subject to widespread fatigue damage (WFD). The FAA is issuing this AD to address the possibility of skin crack growth and multiple adjacent cracks at chem-milled steps in the fuselage skin linking up with each other, which could lead to decompression or loss of structural integrity of the airplane.

(f) Compliance

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

(g) Required Actions

Except as specified by paragraph (h) of this AD: At the applicable times specified in the “Compliance” paragraph of Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018, do all applicable actions identified in, and in accordance with, the Accomplishment Instructions of Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018.

Note 1 to paragraph (g): Guidance for accomplishing the actions required by this AD can be found in Boeing Alert Service Bulletin 737-53A1379, dated September 4, 2018, which is referred to in Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018.

(h) Exceptions to Service Information Specifications

(1) For purposes of determining compliance with the requirements of this AD: Where Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018, uses the phrase “the original issue date of Requirements Bulletin 737-53A1379 RB,” this AD requires using “the effective date of this AD.”

(2) Where Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018, specifies contacting Boeing for work instructions or for scribe line repair and skin panel replacement instructions: This AD requires doing the work and the scribe line repair and skin panel replacement before further flight using a method approved in accordance with the procedures specified in paragraph (i) of this AD.

(i) Alternative Methods of Compliance (AMOCs)

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

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

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by The Boeing Company Organization Designation Authorization (ODA) that has been authorized by the Manager, Los Angeles 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.

(j) Related Information

For more information about this AD, contact James Guo, Aerospace Engineer, Airframe Section, FAA, Los Angeles ACO Branch, 3960 Paramount Boulevard, Lakewood, CA 90712-4137; phone: 562-627-5357; fax: 562-627-5210; email: james.guo@faa.gov.

(k) Material Incorporated by Reference

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

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

(i) Boeing Alert Requirements Bulletin 737-53A1379 RB, dated September 4, 2018.

(ii) [Reserved]

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

(4) You may view this service information at the FAA, Transport Standards Branch, 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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on June 28, 2019.

Michael Kaszycki,
Acting Director, System Oversight Division, Aircraft Certification Service.
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