

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

LARGE AIRCRAFT

BIWEEKLY 2018-08

4/2/2018 - 4/15/2018



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
P.O. Box 25082
Oklahoma City, OK 73125-0460

CHANGE OF ADDRESS NOTICE

Any change of address regarding the biweekly service must include the mailing label from a recent issue or your name and address printed exactly as they appear on the mailing label (including the computer number above the address).

Please allow one month for an address change.

MAIL YOUR ADDRESS CHANGE TO:

Superintendent of Documents
Government Printing Office
Mail List Branch SSOM
Washington, DC 20402

Telephone: (202) 512-1806
Facsimile: (202) 512-2250

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
--------	-------------	--------------	---------------

Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces

Biweekly 2018-01

2017-26-06		Rolls-Royce Corporation	AE 3007A, AE 3007A1, AE 3007A1/1, AE 3007A1/2, AE 3007A1/3, AE 3007A1P, AE 3007A1E, AE 3007A3, AE 3007C and 3007C1 turbofan engines
2017-26-07		The Boeing Company	757-200, -200CB, and -300 series airplanes
2017-26-08		ATR-GIE Avions de Transport Régional	ATR42-500 and ATR72-212A airplanes
2017-26-09		ATR-GIE Avions de Transport Régional	ATR42-500 and ATR72-212A airplanes
2017-26-10		The Boeing Company	757-200, -200PF, -200CB, and -300 series airplanes,
2018-01-01		The Boeing Company	MD-11 and MD-11F airplanes
2018-01-02	R 2017-02-03	The Boeing Company	767-200, -300, and -400ER series airplanes
2018-01-03		Airbus	A300, A310 airplanes
2018-01-04	R 2011-04-05	Airbus	A340 airplanes
2018-01-05		Fokker Services B.V.	F28 Mark 0070 and 0100 airplanes
2018-01-06		Fokker Services B.V.	F28 Mark 0070 and 0100 airplanes

Biweekly 2018-02

2018-01-07		Airbus	A300 B4-601, B4-603, B4-620, B4-622, B4-605R, B4-622R, F4-605R, F4-622R, and C4-605R Variant F airplanes
2018-01-08		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
2018-01-09	R 95-25-02	Fokker Services B.V.	F28 Mark 0100 series airplanes
2018-01-10	R 2011-14-10	Airbus	A330-342 airplanes
2018-01-11		Airbus	A319-115 and A319-133 airplanes
2018-02-03		Fokker Services B.V.	F28 Mark 0070 and Mark 0100 series airplanes
2018-02-06		Dassault Aviation	FALCON 7X, FALCON 2000EX, FALCON 900EX airplanes

Biweekly 2018-03

2018-02-09	R 2008-06-20 R1	Fokker Services B.V.	F28 Mark 1000, 2000, 3000, and 4000 airplanes
2018-02-10		Pratt & Whitney Division	PW4074, PW4074D, PW4077, PW4077D, PW4084D, PW4090, and PW4090-3 turbofan engines
2018-02-11		Airbus	A330-301, -321, -322 and A330-342 airplanes
2018-02-12	R 2016-02-01	Airbus	A320-211, -212, and -231 airplanes
2018-02-15	S 2007-08-06	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200 and 3101, and Jetstream Model 3201 airplanes
2018-02-16		Bombardier, Inc.	DHC-8-400, -401, and -402 airplanes

Biweekly 2018-04

2018-02-17	R 2012-12-12 R 2013-16-26	Airbus	A330, A340 airplanes
2018-02-18		Airbus	A318, A319, A320, A321 airplanes
2018-02-20		The Boeing Company	777-200, -200LR, -300, and -300ER series airplanes
2018-03-02		328 Support Services GmbH	328-300 airplanes
2018-03-04		Rosemount Aerospace, Inc.	Model 851AK pitot probes
2018-03-06	R 2015-02-18	Airbus	A330-201, -202, -203, -301, -302, and -303 airplanes
2018-03-07		Airbus	A330-202, -203, -223, and -243; A340-211, -212, -311, and -313 airplanes
2018-03-08	R 2005-19-28	Airbus	A330-301, -321, -322, and -342; A340-211, -212, -213, -311, -312, and -313 airplanes
2018-03-09		Airbus	A321-211 and -231 airplanes
2018-03-10		The Boeing Company	757-300 series airplanes
2018-03-11		Bombardier, Inc.	CL-600-2C10, -2D15, -2D24, -2E25 airplanes
2018-03-12		Airbus	A318, A319, A320, A321 airplanes
2018-03-13		General Electric Company	CT7-5A2, CT7-5A3, CT7-7A, CT7-7A1, CT7-9B, CT7-9B1, CT7-9B2, CT7-9C and CT7-9C3 model turboprop engines
2018-03-19		Dassault Aviation	FALCON 7X airplanes,
2018-03-20		Airbus	A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes
2018-03-21		Airbus	A330-202, -203, -223, and -243 airplanes
2018-03-22		GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, and M601F turboprop engines
2018-04-01		Airbus	A320-271N, A321-271N, and A321-272N airplanes

LARGE AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes, R - Replaces			
Biweekly 2018-05			
2017-06-06	R 2012-22-15	Fokker Services B.V.	F28 Mark 0070 and Mark 0100 airplanes
2018-04-03		Fokker Services B.V.	F28 Mark 0100 airplanes
2018-04-04		Bombardier, Inc.	CL-600-2C10, -2D15, -2D24, -2E25 airplanes
2018-04-05		Airbus	A319-112, A319-115, A320-214, A320-232, and A321-211 airplanes
2018-04-06	R 2012-12-05	The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
2018-04-07		The Boeing Company	747-100, 747-100B, 747-100B SUD, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, 747SR, and 747SP series airplanes
2018-04-08		The Boeing Company	737-100, -200, -200C, -300, -400, and -500 series airplanes
Biweekly 2018-06			
2018-02-17	R 2012-12-12	Airbus	A330, A340 airplanes
2018-04-12		The Boeing Company	737-100, -200, -200C, -300, -400, -500 series airplanes
2018-04-13		Honeywell International Inc.	AS907-1-1A model turbofan engines
2018-05-04		Airbus	A318, A319, A320, A321 airplanes
2018-05-05		Dassault Aviation	MYSTERE-FALCON 900, FALCON 900EX, FALCON 2000, and FALCON 2000EX airplanes
2018-05-06	R 2016-09-12	The Boeing Company	787-8 and 787-9 airplanes
2018-05-07		The Boeing Company	787-8 and 787-9 airplanes
2018-05-11		Airbus	A320-214, -251N, and -271N airplanes
2018-06-03	R 2009-18-16	Airbus	A310-203, -204, -221, -222, -304, -322, -324 and -325 airplanes
2018-06-06		Bombardier, Inc.	CL-600-2B16 (CL-604 Variant) airplanes
2018-06-08		The Boeing Company	757-200 series airplanes
Biweekly 2018-07			
2018-06-01		Airbus	A318, A319, A320, A321 airplanes
2018-06-02		Bombardier, Inc.	CL-600-2B19, -2C10, -2D15, -2D24 airplanes
2018-06-04		Airbus	A318, A319, A320, A321 airplanes
2018-06-05		The Boeing Company	737-300 and -500 series airplanes
2018-06-07		The Boeing Company	757-200, -200CB, and -300 series airplanes
Biweekly 2018-08			
2018-07-05		General Electric Company	CF6-80A, -80A1, -80A2, and -80A3 turbofan engines
2018-07-06		The Boeing Company	747-8 series airplanes
2018-07-07		Dassault Aviation	FAN JET FALCON, FAN JET FALCON SERIES D, E, F, and G; MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes
2018-07-09		Bombardier, Inc.	CL-600-2C10, -2D15, -2D24, -2E25 airplanes
2018-07-10		Embraer S.A.	EMB-500 and EMB-505 airplanes
2018-07-11		Fokker Services B.V.	F28 Mark 0100 airplanes
2018-07-12		Airbus	A350-941 airplanes



2018-07-05 General Electric Company: Amendment 39-19236; Docket No. FAA-2017-0668; Product Identifier 2017-NE-17-AD.

(a) Effective Date

This AD is effective May 11, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to General Electric (GE) CF6-80A, -80A1, -80A2, and -80A3 turbofan engines with low-pressure turbine (LPT) stage 3 nozzles, part numbers (P/Ns) 9290M52P05 and 9290M52P06, installed.

(d) Subject

Joint Aircraft System Component (JASC) Code 7250, Turbine Section.

(e) Unsafe Condition

This AD was prompted by high cycle fatigue (HCF) cracking of the LPT stage 3 nozzles resulting in LPT uncontainment. We are issuing this AD to prevent cracking of the LPT stage 3 nozzles. The unsafe condition, if not addressed, could result in LPT uncontainment, damage to the engine, and damage to the airplane.

(f) Compliance

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

(g) Required Actions

Within 36 months or during the next engine shop visit after the effective date of this AD, whichever occurs later, replace LPT stage 3 nozzles, P/Ns 9290M52P05 and 9290M52P06, with a part eligible for installation.

(h) Definition

(1) For the purpose of this AD, an engine shop visit is defined as the induction of an engine into the shop for maintenance involving the separation of any major mating engine flanges. The separation of engine flanges is not considered an engine shop visit for the following purposes:

- (i) Transportation of an engine not attached to an aircraft without subsequent engine maintenance.
- (ii) Removing the turbine rear frame (TRF) for repair of TRF cracking.
- (iii) Removing the top or bottom high-pressure compressor (HPC) case for HPC airfoil maintenance.
- (iv) Removing only the accessory gearbox and/or transfer gearbox.
- (2) Reserved.

(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 ECO Branch, 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 Herman Mak, Aerospace Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7147; fax: 781-238-7199; email: herman.mak@faa.gov.

(k) Material Incorporated by Reference

None.

Issued in Burlington, Massachusetts, on March 29, 2018.

Robert Ganley,
Manager, Engine and Propeller Standards Branch,
Aircraft Certification Service.



2018-07-06 The Boeing Company: Amendment 39-19237; Docket No. FAA-2017-1176; Product Identifier 2017-NM-123-AD.

(a) Effective Date

This AD is effective May 14, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to The Boeing Company Model 747-8 series airplanes, certificated in any category, as identified in Boeing Alert Requirements Bulletin 747-32A2525 RB, dated September 6, 2017, except for airplanes having line numbers 1443, 1451, 1453, 1456, 1470, 1472, 1475, 1477, 1480, 1492, 1494, 1497, 1498, 1500, 1503, 1511, 1512, 1513, and 1514.

(d) Subject

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

(e) Unsafe Condition

This AD was prompted by a report of restricted movement of the brake pedals after landing rollout. We are issuing this AD to prevent restricted motion of the brake pedals, which can affect stopping performance and directional control of the airplane. This restricted motion can lead to high speed runway excursion or lateral runway excursion.

(f) Compliance

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

(g) Required Actions

Within 120 days after the effective date of this AD: Revise the airplane flight manual (AFM) by incorporating the limitation specified in figure 1 to paragraph (g) of this AD.

Figure 1 to Paragraph (g) of this AD – Autobrake Limitation

Autobrakes	(Required by AD AD 2018-07-06)
Takeoff is prohibited without an operative autobrake system.	
The autobrake system must be used for landing, unless EICAS messages AUTOBRAKES or ANTISKID are displayed.	
The autobrake system may only be disengaged after slowing to a safe taxi speed or to a full stop, and only by use of the brake pedals.	

(h) Terminating Action for AFM Limitation

Within 60 months after the effective date of this AD, do all applicable actions identified in, and in accordance with, the Accomplishment Instructions of Boeing Alert Requirements Bulletin 747-32A2525 RB, dated September 6, 2017, except where the requirements bulletin specifies applying sealant, the following type of sealant must be used: BMS 5-142, TYPE 2; BMS 5-95; PR-1826; or PR-1828. Doing the actions specified in this paragraph terminates the AFM limitation revision required by paragraph (g) of this AD. The AFM limitation required by paragraph (g) of this AD may be removed from the AFM after accomplishing the actions specified in this paragraph.

Note 1 to paragraph (h) of this AD: Guidance for accomplishing the actions required by paragraph (h) of this AD can be found in Boeing Alert Service Bulletin 747-32A2525, dated September 6, 2017, which is referred to in Boeing Alert Requirements Bulletin 747-32A2525 RB, dated September 6, 2017.

(i) Special Flight Permit

Special flight permits, as described in Section 21.197 and Section 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199), are not allowed, except as provided by paragraph (j) of this AD.

(j) Ferry Flight Limitations

Operators who are prohibited from further flight due to the autobrake system being inoperative may perform a one-time non-revenue ferry flight to fly the airplane to a maintenance facility to either fix the autobrake system or incorporate the terminating action specified in paragraph (h) of this AD. This ferry flight must be performed without passengers, and with interior modifications to allow heated cabin air to warm the brake control cables and pulleys in the vicinity of door 3L and door 3R. These interior modifications must include, at a minimum, temporarily removing the side panels and insulation immediately aft of door 3L and door 3R.

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

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

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

(l) Related Information

(1) For more information about this AD, contact Kelly McGuckin, Aerospace Engineer, Systems and Equipment Section, Seattle ACO Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3546; email: Kelly.McGuckin@faa.gov.

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

(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.

(i) Boeing Alert Requirements Bulletin 747-32A2525 RB, dated September 6, 2017.

(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 March 22, 2018.

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



2018-07-07 Dassault Aviation: Amendment 39-19238; Docket No. FAA-2017-0908; Product Identifier 2017-NM-103-AD.

(a) Effective Date

This AD is effective May 14, 2018.

(b) Affected ADs

None.

(c) Applicability

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

(1) All Model FAN JET FALCON, FAN JET FALCON SERIES D, E, F, and G airplanes.

(2) Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes, except serial numbers (S/Ns) 478 and 485.

(d) Subject

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

(e) Reason

This AD was prompted by reports of the collapse of the main landing gear (MLG) on touchdown. We are issuing this AD to prevent MLG collapse, which could result in damage to the airplane and injury to the occupants.

(f) Compliance

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

(g) Modification

Within 74 months after the effective date of this AD, accomplish an electrical modification in accordance with the Accomplishment Instructions of Dassault Service Bulletin F20-676, Revision 1, dated March 4, 1998.

(h) No Reporting Requirement

Although the service information identified in paragraph (g) of this AD specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(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 Aviation Safety Agency (EASA); or Dassault Aviation's 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 Airworthiness Directive 2017-0130, dated July 26, 2017, 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-2017-0908.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226.

(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) Dassault Service Bulletin F20-676, Revision 1, dated March 4, 1998.

(ii) Reserved.

(3) For service information identified in this AD, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; internet <http://www.dassaultfalcon.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 March 20, 2018.

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



2018-07-09 Bombardier, Inc.: Amendment 39-19240; Docket No. FAA-2017-0810; Product Identifier 2017-NM-045-AD.

(a) Effective Date

This AD is effective May 14, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to the airplanes identified in paragraphs (c)(1), (c)(2), and (c)(3) of this AD, certificated in any category, all certificated models.

(1) Bombardier, Inc., Model CL-600-2C10 (Regional Jet Series 700, 701, & 702) airplanes, serial numbers 10001 through 10344 inclusive.

(2) Bombardier, Inc., Model CL-600-2D15 (Regional Jet Series 705) and Model CL-600-2D24 (Regional Jet Series 900) airplanes, serial numbers 15001 through 15382 inclusive.

(3) Bombardier, Inc., Model CL-600-2E25 (Regional Jet Series 1000) airplanes, serial numbers 19001 through 19044 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 25, Equipment/furnishings.

(e) Reason

This AD was prompted by a report of a smoke-in-cabin event due to a non-sustaining electrical fire. We are issuing this AD to prevent an electrical short of a bonding jumper wire that may result in in-flight smoke or fire events, as well as failure of avionics equipment, due to possible water spray or leakage from a damaged water supply line.

(f) Compliance

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

(g) Protective Sleeve Installation

(1) For airplanes on which the actions specified in Bombardier Service Bulletin 670BA-25-101, dated December 17, 2015; or Bombardier Service Bulletin 670BA-25-101, Revision A, dated October 31, 2016, have not been done, as of the effective date of this AD: Within 6,600 flight hours or 36 months after the effective date of this AD, whichever occurs first, install protective sleeves on the bonding jumper wires of affected galleys and lavatories, in accordance with Part A through Part

E, as applicable, of the Accomplishment Instructions of Bombardier Service Bulletin 670BA-25-101, Revision B, dated January 12, 2017.

(2) For airplanes on which the actions specified in Bombardier Service Bulletin 670BA-25-101, dated December 17, 2015; or Bombardier Service Bulletin 670BA-25-101, Revision A, dated October 31, 2016, have been done, as of the effective date of this AD: Within 6,600 flight hours or 36 months after the effective date of this AD, whichever occurs first, inspect, and if required, install protective sleeves on the bonding jumper wires of affected galleys and lavatories, in accordance with Part F of the Accomplishment Instructions of Bombardier Service Bulletin 670BA-25-101, Revision B, dated January 12, 2017.

(h) 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.

(i) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2016-20R1, dated February 3, 2017, 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-2017-0810.

(2) For more information about this AD, contact Assata Dessaline, Aerospace Engineer, Avionics and Administrative Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone: 516-228-7301; fax: 516-794-5531.

(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) Bombardier Service Bulletin 670BA-25-101, Revision B, dated January 12, 2017.

(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 March 20, 2018.
Michael Kaszycki,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2018-07-10 Embraer S.A.: Amendment 39-19241; Docket No. FAA-2017-1119; Product Identifier 2017-CE-037-AD.

(a) Effective Date

This airworthiness directive (AD) becomes effective May 15, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Embraer S.A. Models EMB-500 and EMB-505 airplanes, serial numbers 50000246, 50000267, 50000286, 50000289, 50000291, 50000299, 50000304, 50000305, 50000306, 50000310, 50000348, 50000359, 50000368, 50000370, 50000372, 50000376, 50000377, 50000378, 50000379, 50000380, 50500118, 50500122, 50500148, 50500151, 50500167, 50500176, 50500179, 50500185, 50500188, 50500191, 50500197, 50500203, 50500207, 50500209, 50500212, 50500214, 50500215, 50500219, 50500225, 50500226, 50500231, 50500242, 50500244, 50500246, 50500248, 50500250, 50500256, 50500260, 50500266, 50500273, 50500275, 50500277, 50500280, 50500282, 50500285, 50500287, 50500288, 50500289, 50500292, 50500293, 50500294, 50500296, 50500297, 50500298, 50500300, 50500302, 50500304, 50500306, 50500309, 50500311, 50500317, 50500318, 50500323, 50500328, 50500331, 50500333, 50500335, 50500338, 50500340, 50500344, 50500345, 50500348, 50500351, 50500357, 50500361, 50500362, 50500363, 50500364, 50500365, 50500367, 50500368, 50500371, 50500372, 50500379, 50500381, 50500382, 50500385, 50500386, 50500390, 50500391, 50500394, 50500395, 50500397, 50500398, 50500399, 50500400, 50500402, 50500403, 50500404, 50500407, 50500410, 50500415, 50500418, and 50500424, certificated in any category.

(d) Subject

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

(e) Reason

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as improperly tied castle nuts on the aileron, rudder and elevator trim tab (or autotab) attachment bolts. We are issuing this AD to inspect the aileron trim tab, rudder trim tab and elevator trim tab (or autotab), and correct any discrepancy, which if not corrected, may cause an increase in dynamic loads and possible flutter, leading to structural failure and loss of control.

(f) Actions and Compliance

Unless already done, do the following actions in paragraphs (f)(1) and (2) of this AD following the Accomplishment Instructions in PHENOM by Embraer Alert Service Bulletin (SB) No.: 500-27-A026, Revision 1, dated October 6, 2017; or PHENOM by Embraer Alert SB No.: 505-27-A028, Revision 2, dated October 6, 2017, as applicable:

(1) Within the next 25 hours time in service (TIS) after May 15, 2018 (the effective date of this AD) or within the next 12 months after May 15, 2018 (the effective date of this AD), whichever occurs first, inspect the aileron trim tab, rudder trim tab, and elevator trim tab attachment points to make sure the cotter pin is installed on the castle nut of the attaching bolts.

(2) If any discrepancy is found during the inspection required in paragraph (f)(1) of this AD, before further flight, correct the discrepancy.

(g) Credit for Actions Accomplished in Accordance With Previous Service Information

This AD allows credit for the actions required in paragraph (f) of this AD if done before the effective date of this AD following PHENOM by Embraer Alert SB No. 500-27-A026, original issue, dated September 29, 2017; PHENOM by Embraer Alert SB No. 505-27-A028, original issue, dated September 28, 2017; or PHENOM by Embraer Alert SB 505-27-A028, Revision 01, dated September 29, 2017; as applicable.

(h) No Reporting Requirement

Although PHENOM by Embraer Alert SB No.: 500-27-A026, Revision 1, dated October 6, 2017; and PHENOM by Embraer Alert SB No.: 505-27-A028, Revision 2, dated October 6, 2017; specify to submit certain information to the manufacturer, this AD does not require that action.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Small Airplane Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Jim Rutherford, Aerospace Engineer, FAA, Small Airplane Standards Branch, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4165; fax: (816) 329-4090; email: jim.rutherford@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(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, Small Airplane Standards Branch, FAA; or Agência Nacional de Aviação Civil (ANAC), which is the aviation authority for Brazil.

(j) Related Information

Refer to MCAI Agência Nacional de Aviação Civil (ANAC), which is the aviation authority for Brazil, AD No.: 2017-11-01, dated November 10, 2017. You may examine the MCAI on the internet at: <https://www.regulations.gov/document?D=FAA-2017-1119-0002>.

(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) PHENOM by Embraer Alert Service Bulletin No.: 500-27-A026, Revision 1, dated October 6, 2017.

(ii) PHENOM by Embraer Alert Service Bulletin No.: 505-27-A028, Revision 2, dated October 6, 2017.

(3) For Embraer S.A. service information identified in this AD, contact Embraer S.A., Phenom Maintenance Support, Avenida Brigadeiro Faria Lima, 2170, São José dos Campos–SP-12227-901, P.O. Box 36/2, Brasil; phone: +55 12 3927 1000; fax: +55 12 3927-2619; email: phenom.reliability@embraer.com.br; internet: <http://www.embraer.com.br/en-US/Pages/home.aspx>.

(4) You may view this service information at the FAA, Policy and Innovation Division, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148. In addition, you can access this service information on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-1119.

(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 Kansas City, Missouri, on March 28, 2018.

William Schinstock,
Acting Deputy Director, Policy & Innovation Division,
Aircraft Certification Service.



2018-07-11 Fokker Services B.V.: Amendment 39-19242; Docket No. FAA-2018-0268; Product Identifier 2017-NM-096-AD.

(a) Effective Date

This AD becomes effective April 23, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Fokker Services B.V. Model F28 Mark 0100 airplanes, certificated in any category, serial numbers 11359, 11361, 11367, 11397, 11404, 11446, 11456, 11460, 11468, 11483, 11490, 11499, 11502, 11515 and 11520.

(d) Subject

Air Transport Association (ATA) of America Code 25, Equipment/furnishings.

(e) Reason

This AD was prompted by a report of interference between certain passenger service unit (PSU) panels, when in the deployed/open position, and the nearby emergency exit door cover. We are issuing this AD to detect and correct interference between certain PSU panels and the nearby emergency exit door cover, which could prevent a complete opening of the overwing emergency exit door, and possibly obstruct the evacuation of occupants in case of an emergency landing.

(f) Compliance

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

(g) Required Actions

Within 30 days after the effective date of this AD, request instructions from the Manager, International Section, Transport Standards Branch, FAA, to address the unsafe condition specified in paragraph (e) of this AD; and accomplish the actions at the times specified in, and in accordance with, those instructions. Guidance can be found in Mandatory Continuing Airworthiness Information (MCAI) European Aviation Safety Agency (EASA) AD 2017-0113, dated June 28, 2017.

(h) 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.

(i) Related Information

(1) Refer to MCAI EASA AD 2017-0113, dated June 28, 2017, for related information. You may examine the MCAI on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0268.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax: 206-231-3226.

(j) Material Incorporated by Reference

None.

Issued in Des Moines, Washington, on March 22, 2018.
Michael Kaszicki,
Acting Director, System Oversight Division,
Aircraft Certification Service.



2018-07-12 Airbus: Amendment 39-19243; Docket No. FAA-2018-0269; Product Identifier 2018-NM-051-AD.

(a) Effective Date

This AD becomes effective April 24, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Airbus Model A350-941 airplanes, certificated in any category.

(d) Subject

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

(e) Reason

This AD was prompted by a report indicating malfunctions of the station position pick-off unit (SPPU) and failures of the internal wiring due to water ingress via certain electrical connectors, inducing subsequent icing during flight. We are issuing this AD to address a hidden sensor signal drift, which, in combination with an independent failure of a flap down drive disconnect, could lead to in-flight detachment of the outer flap surface, and possibly result in damage to the airplane.

(f) Compliance

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

(g) Repetitive SPPU Calibration Tests and Corrective Action

Within 200 flight cycles or 30 days after the effective date of this AD, whichever occurs first, accomplish a SPPU calibration test in accordance with the Accomplishment Instructions of Airbus Service Bulletin A350-27-P021, dated February 13, 2018. If any fault message appears after accomplishment of the SPPU calibration test, before further flight, apply the corresponding airplane fault isolation and continue with the SPPU calibration test. Repeat the SPPU calibration test thereafter at intervals not to exceed 200 flight cycles.

(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 Airbus's 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 Airworthiness Directive 2018-0058, dated March 14, 2018, for related information. You may examine the MCAI on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0269.

(2) 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.

(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) Airbus Service Bulletin A350-27-P021, dated February 13, 2018.

(ii) Reserved.

(3) For service information identified in this AD, contact Airbus SAS, Airworthiness Office—EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email continued-airworthiness.a350@airbus.com; internet <http://www.airbus.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 March 27, 2018.

Chris Spangenberg,
Acting Director, System Oversight Division,
Aircraft Certification Service.