

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

**SMALL AIRPLANES, ROTORCRAFT, GLIDERS,
BALLOONS, & AIRSHIPS**

BIWEEKLY 2015-13

6/15/2015 - 6/28/2015



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

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SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces

Biweekly 2015-01

2014-26-04		GROB-WERKE	G115EG and G120A
2014-26-05		Beechcraft Corporation	G58

Biweekly 2015-02

2014-26-02		Airbus Helicopters	EC155B1 and AS 365 N3 helicopters
2015-01-02		Mitsubishi Heavy Industries, Ltd.	MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A and MU-2B-60

Biweekly 2015-03

2014-12-11 R1	R 2014-12-11	Sikorsky Aircraft Corporation	S-92A
2015-01-03		Pilatus Aircraft Ltd	PC-7
2015-02-01	S 2011-23-01	Technify Motors GmbH (TMG)	TAE 125-01 and TAE 125-02-99
2015-02-07		Lycoming Engines	AEIO-320-D1B; AEIO-360-A1E, -A1E6, -B1H, -H1B; AEIO-540-D4A5, -D4B5, -D4D5, -L1B5, -L1B5D, -L1D5; AEIO-580-B1A; and IO-540-K1K5
2015-02-09		Costruzioni Aeronautiche Tecnam srl	P2006T
2015-02-10		Viking Air Limited	DHC-2 Mk. I, DHC-2 Mk. II, and DHC-2 Mk. III
2015-02-15		Quest Aircraft Design, LLC	KODIAK 100
2015-02-22	S 2012-14-06	Rolls-Royce Corporation	250-B17, -B17B, -B17C, -B17D, -B17E, -B17F, -B17F/1, -B17F/2; and 250-C20, -C20B, -C20F, -C20J, -C20R, -C20R/1, -C20R/2, -C20R/4, -C20S, and -C20W
2015-02-27	S 2013-19-19	Airbus Helicopters	AS332C, AS332L, AS332L1, AS332L2, and EC225LP

Biweekly 2015-04

2014-22-51		Airbus Helicopters	EC130T2 helicopters
2015-02-21		Agusta S.p.A.	AB139 and AW139 helicopters
2015-04-51	E	Enstrom Helicopter Corporation	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, 280FX, and 480 helicopters

Biweekly 2015-05

2015-04-01		Short Brothers & Harland Ltd	SC-7 Series 3
2015-04-04		Bell Helicopter Textron Inc.	412 and 412EP
2015-04-05		Sikorsky Aircraft Corporation	S-76A, S-76B, S-76C, and S-76D
2015-05-51	E	Agusta S.p.A.	A109A and A109A II
2015-05-52	E	Agusta S.p.A.	A109, A109A, A109A II, A109C, A109K2, A109E, A119, A109S, AW119 MKII, and AW109SP

Biweekly 2015-06

2015-04-01	COR	Short Brothers & Harland Ltd	SC-7 Series 3 airplanes
2015-05-04		Bell Helicopter Textron Canada	407 helicopters
2015-05-05	S 2014-04-14	Agusta	A109S and AW109SP helicopters; A119 and AW119 MKII helicopters
2015-05-06		Flugzeugwerke Altenrhein AG	AS 202/15 "BRAVO", AS 202/18A "BRAVO", and AS 202/18A4 "BRAVO" airplanes
2015-06-01	S 2014-06-03	British Aerospace	Jetstream Series 3101 and Jetstream 3201 airplanes
2015-06-02		GA 8 Airvan	GA8-TC320 airplanes
2015-06-03		Stemme AG	S6 and S6-RT gliders

Biweekly 2015-07

2015-06-09		Pacific Aerospace Limited	750XL airplanes
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Biweekly 2015-08

2015-05-52		Agusta S.p.A.	A109, A109A, A109A II, A109C, A109K2, A109E, A119, A109S, AW119 MKII, and AW109SP
2015-07-03		Cessna Aircraft Company	402C and 414A
2015-07-04		Pilatus Aircraft Ltd.	PC-7
2015-08-51	E S 2015-04-51	The Enstrom Helicopter Corporation	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, and 280FX; and 480

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces

Biweekly 2015-09

2014-17-08R1	R 2014-17-08	Pratt & Whitney Canada Corp. (P&WC)	PT6A-114 and PT6A-114A
2015-08-04	S 99-01-05 R1	Various Airplanes	See AD

Biweekly 2015-10

2015-08-07		Zodiac Aerotechnics	See Ad
2015-09-01		Airbus Helicopters	EC225LP
2015-09-04	S 2013-22-14 R1	DG Flugzeugbau GmbH	DG-1000T
2015-09-06	S 2014-26-04	GROB-WERKE	G115EG and G120A

Biweekly 2015-11

2015-08-51	S 2015-04-51	The Enstrom Helicopter Corporation	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, 280FX; 480
2015-10-05		Airbus Helicopters (previously Eurocopter France)	AS365N3, EC155B, and EC155B1
2015-10-06		Lycoming Engines	TIO-540-AJ1A
2015-10-07	S 2014-01-01	Turbomeca S.A.	Arrius 2F
2015-10-51	E	Avidyne Aerospace	Integrated Flight Displays
2015-11-01		Slingsby Aviation Ltd.	T67M260 and T67M260-T3A

Biweekly 2015-12

2015-11-06	S 2013-18-01	Airbus Helicopters	EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1
2015-11-07		Agusta S.p.A.	AB412 and AB412 EP
2015-11-08	S 2014-02-08	Agusta	A109C, A109S, A109K2, A109E, and AW109SP
2015-11-09		Sikorsky Aircraft Corporation	269D and 269D
2015-11-10		Sikorsky Aircraft Corporation	S-92A
2015-12-01		Airbus Helicopters	AS355E, AS355F, AS355F1, and AS355F2
2015-12-02		Bell	206L-1, 206L-3, and 206L-4

Biweekly 2015-13

2015-05-51		Agusta S.p.A.	A109A, A109A II
2015-10-51		Avidyne Corporation	Integrated Flight Displays (IFDs)
2015-12-04	COR R 2006-15-08	Honeywell International Inc.	TPE331-1, -2, -2UA, -3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -10, -10AV, -10GP, -10GT, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, -11U, -12JR, -12UA, -12UAR, and -12UHR
2015-12-09		Airbus Helicopters Deutschland GmbH	EC135P1, EC135T1, EC135P2, EC135T2, EC135P2+, EC135T2+, and MBB-BK 117 C-2



2015-05-51 Agusta S.p.A.: Amendment 39-18179; Docket No. FAA-2015-2119; Directorate Identifier 2015-SW-005-AD.

(a) Applicability

This AD applies to Model A109A helicopters, serial numbers (S/N) 7154 through 7255, and all Model A109A II helicopters, with a main rotor blade (blade) part number (P/N) 109-0103-01-7 installed, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as the installation of a blade that does not meet type design. This condition could result in blade failure and subsequent loss of control of the helicopter.

(c) Effective Date

This AD becomes effective July 1, 2015 to all persons except those persons to whom it was made immediately effective by EAD 2015-05-51, issued on March 3, 2015, which contained the requirements of this AD.

(d) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(e) Required Actions

Before further flight, replace each blade with blade P/N 109-0103-01-9 or 109-0103-01-115.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Martin Crane, Aviation Safety Engineer, Rotorcraft Directorate, FAA, 2601 Meacham Blvd., Fort Worth, Texas 76137; telephone (817) 222 5110; email Martin.R.Crane@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, we suggest that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office, before operating any aircraft complying with this AD through an AMOC.

(g) Additional Information

(1) AgustaWestland Alert Bollettino Tecnico No. 109-142, dated February 17, 2015, which is not incorporated by reference, contains additional information about the subject of this AD. For a copy of the service information referenced in this AD, contact: AgustaWestland, Product Support

Engineering, Via del Gregge, 100, 21015 Lonate Pozzolo (VA) Italy, ATTN: Maurizio D'Angelo; telephone 39-0331-664757; fax 39-0331-664680; or at <http://www.agustawestland.com/technical-bulletins>. You may review the referenced service information at the FAA, Office of the Regional Counsel, Southwest Region, 2601 Meacham Blvd., Room 663, Fort Worth, Texas 76137.

(2) The subject of this AD is addressed in European Aviation Safety Agency (EASA) Emergency AD No. 2015-0025-E, dated February 18, 2015. You may view the EASA AD on the Internet at <http://www.regulations.gov> in Docket No. FAA-2015-2119.

(h) Subject

Joint Aircraft System Component (JASC) Code: 6210 Main Rotor Blades.

Issued in Fort Worth, Texas, on June 2, 2015.

Lance T. Gant,
Acting Directorate Manager, Rotorcraft Directorate,
Aircraft Certification Service.



2015-10-51 Avidyne Corporation: Amendment 39-18183; Docket No. FAA-2015-2191; Directorate Identifier 2015-CE-015-AD.

(a) Effective Date

This AD is effective July 1, 2015 to all persons except those persons to whom it was made immediately effective by Emergency AD 2015-10-51, issued on May 18, 2015, which contained the requirements of this amendment.

(b) Affected ADs

None.

(c) Applicability

Avidyne Corporation (Avidyne) Integrated Flight Displays (IFDs) part number (P/N) 700-00083-() loaded with software release 9.3.1.0 or earlier release (referred to as Model R9–10 inch), P/N 700-00171-() loaded with software release 9.2.5.0 or earlier release (referred to as Model R9–12 inch), and P/N 700-00182-() loaded with software release 10.0.3.0 or earlier release (referred to as Model IFD540). These IFDs are installed on, but not limited to, airplanes that are certificated in any category and are identified in the following:

(1) For Model R9–10 inch: AML STC SA00282BO. This document can be found at:
[http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/24d8d8ba6cb57e4f86257d1d0055dec4/\\$FILE/SA00282BO_AML.pdf](http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/24d8d8ba6cb57e4f86257d1d0055dec4/$FILE/SA00282BO_AML.pdf).

(2) For Model R9–12 inch: Korea Aerospace Industries KC-100 (currently being type validated by the FAA).

(3) For Model IFD540: STC SAA00343BO. This document can be found at:
[http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/5084676a444f3b2b86257d20005d08ab/\\$FILE/SA00343BO_AML.pdf](http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/5084676a444f3b2b86257d20005d08ab/$FILE/SA00343BO_AML.pdf).

(d) Subject

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

(e) Unsafe Condition

This AD was prompted by reports of Avidyne IFDs displaying incorrect course deviation indication information during GPS approaches (incorrect display of lateral deviations). This condition occurs when the airplane is flying in certain approaches, the leg to the Final Approach Fix (FAF) is active, and the leg to the FAF is not aligned with the final approach course (i.e., an angled entry to the FAF). The software of the Avidyne IFDs as referenced above in the Applicability section, paragraph (c) of this AD, will produce lateral deviations to the final approach course as soon as the leg to the FAF becomes active. Therefore, when the leg does not align with the final approach course, the course deviation indicator (CDI) will show a deviation when, in fact, the aircraft is on the proper

course for the active leg. We are issuing this AD to prevent such incorrect display of lateral deviations, which could result in the pilot making flight decisions that put the aircraft in unsafe flight conditions, flying into airspace that was, by the GPS approach design, to be avoided (terrain, obstacle, traffic, restricted).

(f) Compliance

Unless already done, comply with paragraphs (g)(1) through (g)(4) of this AD, including all subparagraphs.

(g) Airplane Flight Manual (AFM) or Airplane Flight Manual Supplement (AFMS) Limitation

(1) Before further flight after July 1, 2015 to all persons except those persons to whom it was made immediately effective by Emergency AD 2015-10-51, issued on May 18, 2015, which contained the requirements of this amendment, incorporate the operational limitations listed in paragraphs (g)(1)(i) and (g)(1)(ii) of this AD into the Limitations section of the AFM or AFMS, as applicable. This can be done by inserting a copy of this AD into the Limitations section of the AFM or AFMS.

(i) "Flying a full procedure (non Vector-to-Final) GPS approach, with a course change at the Final Approach Fix (FAF), is prohibited."

(ii) "Flying a GPS approach, with a Direct-To or with an Omni-Bearing Selector (OBS) leg to the FAF, is prohibited."

(2) This action may be done by an owner/operator (pilot) holding at least a private pilot certificate and must be entered into the airplane records showing compliance with this AD in accordance with 14 CFR 43.9(a)(1)(4) and 14 CFR 91.417(a)(2)(v). The record must be maintained as required by 14 CFR 91.173 or 135.439.

(3) Paragraphs (g)(3)(i) and (g)(3)(ii) of this AD provides examples of prohibited and allowed GPS approach per paragraph (g)(1)(i) of this AD:

(i) An example of a prohibited GPS approach per paragraph (g)(1)(i) of this AD can be found at: <http://aeronav.faa.gov/d-tpp/1505/05597r25.pdf>.

(ii) An example of an allowed GPS approach per paragraph (g)(1)(i) of this AD can be found at: <http://aeronav.faa.gov/d-tpp/1505/00626rz29.pdf>.

(4) This AD is no longer applicable if software is installed that is different than that referenced in paragraph (c) Applicability of this AD.

(h) Special Flight Permit

Under 14 CFR 39.23, special flight permits are prohibited for this AD.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Boston Aircraft Certification Office (ACO), 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 ACO, send it to the attention of the person identified in paragraph (j) of this AD.

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

(j) Related Information

For further information about this AD, contact Anthony Pigott, Aerospace Engineer, Boston ACO, FAA, 12 New England Executive Park, Burlington, MA 01803; phone: (781) 238-7158; fax: (781) 238-7199; email: anthony.pigott@faa.gov.

Issued in Kansas City, Missouri, on June 8, 2015.
Earl Lawrence,
Manager, Small Airplane Directorate,
Aircraft Certification Service.



CORRECTED: The AD number in the preamble was incorrectly stated as 2014-12-04. This copy has been corrected.

2015-12-04 Honeywell International Inc.: Amendment 39-18177454851; Docket No. FAA-2006-23706; Directorate Identifier 2006-NE-03-AD.

(a) Effective Date

This AD is effective July 22, 2015.

(b) Affected ADs

This AD replaces AD 2006-15-08, Amendment 39-14688 (71 FR 41121, July 20, 2006).

(c) Applicability

This AD applies to all Honeywell International Inc. TPE331-1, -2, -2UA, -3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -10, -10AV, -10GP, -10GT, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, -11U, -12JR, -12UA, -12UAR, and -12UHR turboprop engines with Honeywell part numbers (P/Ns) for Woodward fuel control unit (FCU) assemblies listed in Table 1 to paragraph (c) of this AD, installed.

Table 1 to Paragraph (c)–Affected FCU Assembly P/Ns

Group No.	Engine	FCU assembly P/Ns
1	TPE331-1, -2, and -2UA	P/N 869199-13, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -31, -32, -33, -34, and -35.
2 *	TPE331-1, -2, and -2UA	P/N 869199-9, -10, -11, -12, -14, -16, -17, and -18.
3	TPE331-3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -10AV, -10GP, -10GT, -10P, and -10T	P/N 893561-7, -8, -9, -10, -11, -14, -15, -16, -20, -26, -27, and -29; or P/N 897770-1, -3, -7, -9, -10, -11, -12, -14, -15, -16, -25, -26, and -28.
4 *	TPE331-3U, -3UW, -5, -5B, -6, -6A, and -10T	P/N 893561-4, -5, -12, and -13 or P/N 897770-5, -8, and -13.
5	TPE331-10, -10R, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, -11U, -12JR, -12UA, -12UAR, and -12UHR	P/N 897375-2, -3, -4, -5, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -19, -21, -24, -25, -26, and -27; or P/N 897780-1, -2, -3, -4, -5, -6, -7, -8, -9, -10, -11, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27, -30, -32, -34, -36, -37, and -38; or P/N 893561-17, -18, and -19.

* New/added FCU assembly P/Ns

(d) Unsafe Condition

We are issuing this AD to prevent failure of the fuel control drive that could result in damage to the engine and airplane.

(e) Compliance

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

(1) Inspection of Engines With FCU Assembly P/Ns in Groups 2 and 4

For FCU assembly P/Ns in Groups 2 and 4 listed in Table 1 to paragraph (c) of this AD:

(i) At the next scheduled inspection of the fuel control drive, or within 500 hours-in-service (HIS) after the effective date of this AD, whichever occurs first, inspect the fuel control drive for wear.

(ii) Thereafter, re-inspect the fuel control drive within every 1,000 HIS since-last-inspection (SLI).

(2) Inspection of Engines With FCU Assembly P/Ns in Groups 1, 3, and 5

For FCU assembly P/Ns in Groups 1, 3, or 5 listed in Table 1 to paragraph (c) of this AD:

(i) If on the effective date of this AD the FCU assembly has 950 or more HIS SLI, inspect the fuel control drive for wear within 50 HIS from the effective date of this AD.

(ii) If on the effective date of this AD the FCU assembly has fewer than 950 HIS SLI, inspect the fuel control drive for wear before reaching 1,000 HIS.

(iii) Thereafter, re-inspect the fuel control drive for wear within every 1,000 HIS SLI.

(3) Airplane Operating Procedures

Within 60 days after the effective date of this AD, insert the information in Figure 1 to paragraph (e) of this AD, into the Emergency Procedures Section of the Airplane Flight Manual (AFM), Pilot Operating Handbook (POH), and the Manufacturer's Operating Manual (MOM).

Figure 1 to Paragraph (e) – Airplane Operating Procedures

NOTE

Procedures in dotted line boxes are immediate action items to be performed by the pilot / flight crew.

RAPID, UNCOMMANDED ACCELERATION DURING
ENGINE START (Propeller ON Start Locks)

- Engine Start – Abort Immediately – Move condition lever to EMERGENCY STOP.

WARNING

Do not attempt to re-start engine. Report to maintenance.

ON GROUND or IN FLIGHT:

RAPID, UNCOMMANDED INCREASE IN RPM, TORQUE,
FUEL FLOW AND/OR TURBINE TEMPERATURE
(Propeller OFF Start Locks)

- Identify Malfunctioning Engine (multi-engine airplane) – Cross check for high torque, RPM, fuel flow, and turbine temperatures.
- Engine shut down - Move condition lever to EMERGENCY STOP.

WARNING

Never retard the power levers aft of flight idle in flight or on the ground.

WARNING

Do not attempt an engine re-start. Report to maintenance.

(f) Optional Terminating Action

Replacing the affected FCU assembly with an FAA-approved FCU assembly P/N not listed in this AD is terminating action for the initial and repetitive inspections required by this AD, and for inserting the information in Figure 1 to paragraph (e) of this AD into the AFM, POH, and MOM.

(g) Definitions

For the purposes of this AD:

- (1) The "fuel control drive" is a series of mating splines located between the fuel pump and fuel control governor.
- (2) The fuel control drive consists of four drive splines: The fuel pump internal spline, the fuel control external "quill shaft" spline, and the stub shaft internal and external splines.

(h) Alternative Methods of Compliance (AMOCs)

The Manager, Los Angeles Aircraft Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(i) Related Information

(1) For more information about this AD, contact Joseph Costa, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, Transport Airplane Directorate, 3960 Paramount Blvd., Lakewood, CA 90712-4137; phone: 562-627-5246; fax: 562-627-5210; email: joseph.costa@faa.gov.

(2) Information pertaining to operating recommendations for affected engines after a fuel control drive failure is contained in Honeywell International Inc., Operating Information Letter (OIL) OI331-12R6, dated May 26, 2009, for multi-engine airplanes; and in OIL OI331-18R4, dated May 26, 2009, for single-engine airplanes. Information on fuel control drive inspection can be found in Section 72-00-00 of the applicable TPE331 maintenance manuals. These Honeywell International Inc., OILs and the TPE331 maintenance manuals, which are not incorporated by reference in this AD, can be obtained from Honeywell International Inc., using the contact information in paragraph (i)(3) of this AD.

(3) For service information identified in this AD, contact Honeywell International Inc., 111 S. 34th Street, Phoenix, AZ 85034-2802; Internet: <https://myaerospace.honeywell.com/wps/portal/!ut>; phone: 800-601-3099.

(4) You may view this service information at the FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(j) Material Incorporated by Reference

None.

Issued in Burlington, Massachusetts, on June 5, 2015.

Ann C. Mollica,
Acting Directorate Manager, Engine & Propeller Directorate,
Aircraft Certification Service.



2015-12-09 Airbus Helicopters Deutschland GmbH (Previously Eurocopter Deutschland GmbH) (Airbus Helicopters): Amendment 39-18184; Docket No. FAA-2014-0577; Directorate Identifier 2013-SW-042-AD.

(a) Applicability

This AD applies to Airbus Helicopters Model EC135P1, EC135T1, EC135P2, EC135T2, EC135P2+, EC135T2+, and MBB-BK 117 C-2 helicopters, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as loose attachment hardware between the Smart Electro Mechanical Actuator (SEMA) and a control rod. This condition could result in loss of the control axis and subsequent loss of control of the helicopter.

(c) Effective Date

This AD becomes effective July 23, 2015.

(d) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(e) Required Actions

(1) Within 50 hours time in service (TIS), for Model EC135P1, EC135T1, EC135P2, EC135T2, EC135P2+, and EC135T2+ helicopters, do the following:

(i) Using Figure 1 and Figure 2 of Eurocopter Alert Service Bulletin EC135-22A-015, Revision 1, dated January 28, 2013 (ASB EC135-22A-015) as reference, inspect the attachment hardware between the SEMA and the longitudinal actuator control rod to determine whether any of the washers can be moved.

(A) If no washer can be moved, no further action is needed.

(B) If a washer can be moved, replace the four screws and install two additional washers, part number (P/N) EN2139-05016, to connect the SEMA with the control rod. Torque-tighten each screw to 5-6 Nm.

(ii) Using Figure 1 and Figure 2 of ASB EC135-22A-015 as reference, inspect the attachment hardware between the SEMA and the lateral actuator control rod to determine whether any of the washers can be moved.

(A) If no washer can be moved, no further action is needed.

(B) If a washer can be moved, replace the four screws and install two additional washers, P/N EN2139-05016, to connect the SEMA with the control rod. Torque-tighten each screw to 5-6 Nm.

(iii) Using Figure 1, Figure 3, and Figure 4 of ASB EC135-22A-015 as reference, inspect the attachment hardware between the SEMA and the yaw actuator control rod to determine whether any of the washers can be moved.

(A) If no washer can be moved, no further action is needed.

(B) If a washer can be moved, replace the four screws and install two additional washers, P/N EN2139-05016, to connect the SEMA with the control rod. Torque-tighten each screw to 5-6 Nm.

(2) Within 50 hours TIS, for Model MBB BK117 C-2 helicopters, using Figure 1 of Eurocopter Alert Service Bulletin MBB BK117 C-2-22A-009, Revision 1, dated August 3, 2009, as reference, inspect the attachment hardware between the Yaw-SEMA and the Yaw-SEMA control rod to determine whether any of the washers can be moved.

(i) If no washer can be moved, no further action is needed.

(ii) If a washer can be moved, replace the four screws and install two additional washers, P/N EN2139-05016, to connect the SEMA with the control rod. Torque-tighten each screw to 5-6 Nm and apply polyurethane lacquer onto the attachment hardware.

(f) Credit for Previous Actions

If you performed the actions in Eurocopter Alert Service Bulletin EC135-22A-015, Revision 0, dated May 13, 2018, or Eurocopter Alert Service Bulletin MBB BK117 C-2-22A-009, Revision 0, May 13, 2008, before the effective date of this AD, you met the requirements of this AD.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Matt Wilbanks, Aviation Safety Engineer, Regulations and Policy Group, Rotorcraft Directorate, FAA, 2601 Meacham Blvd., Fort Worth, Texas 76137; telephone (817) 222-5110; email matt.wilbanks@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, we suggest that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office, before operating any aircraft complying with this AD through an AMOC.

(h) Additional Information

The subject of this AD is addressed in the European Aviation Safety Agency (EASA) AD No. 2013-0176, dated August 7, 2013. You may view the EASA AD on the Internet at <http://www.regulations.gov> in Docket No. FAA-2014-0577.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 2213, Flight Controller.

(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 the AD specifies otherwise.

(i) Eurocopter Alert Service Bulletin EC135-22A-015, Revision 1, dated January 28, 2013.

(ii) Eurocopter Alert Service Bulletin MBB BK117 C-2-22A-009, Revision 1, dated August 3, 2009.

(3) For Airbus Helicopters service information identified in this AD, contact Airbus Helicopters, Inc., 2701 N. Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at <http://www.airbushelicopters.com/techpub>.

(4) You may view this service information at FAA, Office of the Regional Counsel, Southwest Region, 2601 Meacham Blvd., Room 663, Fort Worth, Texas 76137. For information on the availability of this material at the FAA, call (817) 222-5110.

(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 Fort Worth, Texas, on June 9, 2015.

Lance T. Gant,
Acting Directorate Manager, Rotorcraft Directorate,
Aircraft Certification Service.