

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2012-17

8/13/2012 - 8/26/2012



Federal Aviation Administration
Engineering Procedures Office, AIR-110
P.O. Box 25082
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Email: rgl@faa.gov

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SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;

Biweekly 2012-01

2010-19-06 R1	COR	Turbomeca	Engine: Arriel 1A, 1A1, 1B, 1C, 1C1, 1C2, 1D, 1D1, and 1S1 turboshaft
2011-26-10		Enstrom Helicopter Corporation	Rotorcraft: F-28C, F-28C-2, F-28F, 280C, 280F, 280FX, TH-28, 480, and 480B
2011-27-09		Socata	TBM 700
2012-01-01		Various Aircraft	See AD
2012-01-02		Schempp-Hirth Flugzeugbau	Glider: Discus 2cT

Biweekly 2012-02

2011-18-12	S 82-13-05R1	Eurocopter France	Rotorcraft: AS350B, B1, B2, B3, BA, and D; and AS355E, F, F1, F2, and N
2011-27-08		Agusta S.p.A.	Rotorcraft: A109S and AW109SP
2011-27-51		Hawker Beechcraft	1900, 1900C, 1900C (Military), 1900D
2012-01-07		BRP-Powertrain GmbH	Engine: Rotax 914 F2, 914 F3, and 914 F4 reciprocating
2012-01-11		Cirrus Design	SR22T
2012-02-05		Thielert Aircraft Engines GmbH	Engine: TAE 125-02-99 and TAE-125-02-114 reciprocating

Biweekly 2012-03

71-13-01R1		Lycoming Engines	Engine: TIO-540-A series
2012-01-03		Eurocopter France	Rotorcraft: AS332L2 and EC225LP
2012-02-02	S 2008-03-02	Cessna	172R and 172S
2012-02-06		Honeywell International	Engine: TPE331-10, -10AV, -10GP, -10GT, -10N, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, and TPE331-11U
2012-02-10	S 2011-07-13	CPAC	112, 112B, 112TC, 112TCA, 114, 114A, 114B, and 114TC
2012-02-13		Eurocopter France	Rotorcraft: EC130B4
2012-02-51	E	Bell Helicopter Textron Canada Limited	Rotorcraft: 206L, L-1, L-3, and L-4
2012-03-06	S 2011-15-10	Superior Air Parts, Lycoming Engines, and Continental Motors	Engine: Fuel injected reciprocating engines
2012-03-52	E	Mooney Aviation	M20TN and M20R

Biweekly 2012-04

2012-03-01		Eurocopter Deutschland	Rotorcraft: EC135 helicopters
2012-03-07		Lycoming Engines	Engine: See AD
2012-03-11	S 2010-03-06	Turbomeca S.A.	Engine: Arriel 2B and 2B1 turboshaft engines

Biweekly 2012-05

2010-11-09R1	R	Thielert Aircraft Engines GmbH	Engine: TAE 125-01 and TAE 125-02-99 reciprocating engines
2011-12-10	COR	Robinson Helicopter Company	R22, R22 Alpha, R22 Beta, and R22 Mariner helicopters; R44 and R44 II helicopters
2011-27-04	COR	Hawker Beechcraft Corporation	95-C55, D55, E55, 58, and 58A airplanes
2012-03-52		Mooney	M20R and M20TN airplanes
2012-04-03		BRP-Powertrain GmbH & Co. KG	912 S2 and 912 S3 reciprocating engines; 914 F2 reciprocating engines

Biweekly 2012-06

2012-04-10		Burl A. Rogers	15AC and S15AC airplanes
2012-05-01		Eurocopter France	SA-365C, SA-365C1, SA-365C2, SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1 helicopters
2012-05-09	S 2012-03-52	Mooney Aviation	M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S, and M20TN airplanes

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;

Biweekly 2012-07

2012-06-13		DG Flugzeugbau GmbH	Gliders: DG-500 Elan Orion, DG-500 Elan Trainer, DG-500/20 Elan, DG-500/22 Elan, DG-500M, and DG-500MB PC-6, PC-6-HI, PC-6-H2, PC-6/350, PC-6/350-HI, PC-6/350-H2, PC-6/A, PC-6/A-HI, PC-6/A-H2, PC-6/B-H2, PC-6/BI-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, and PC-6/CI-H2 Rotorcraft: AB412
2012-06-16		Pilatus Aircraft	
2012-07-01		Agusta S.p.A.	

Biweekly 2012-08

2011-18-52		Agusta S.p.A.	AB139 and AW139 helicopters
2012-02-51		Bell Helicopter Textron Canada Limited	206L, 206L-1, 206L-3, and 206L-4 helicopters
2012-06-15		DG Flugzeugbau GmbH	DG-500 Elan Orion, DG-500 Elan Trainer, DG-500/20 Elan, and DG-500/22 Elan sailplanes, DG-500M and DG-500MB powered sailplanes
2012-06-24	S 2009-14-11	Sikorsky	S-92A helicopters
2012-07-09		Turbomeca S.A.	Arrius 2F turboshaft engines
2012-08-01		Sikorsky	S-92A helicopters

Biweekly 2012-09

2012-08-18		Turbomeca	Arriel 2B and 2B1 turboshaft engines
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Biweekly 2012-10

2012-10-02		Hawker Beechcraft	58, G58
2012-10-51	E	Eurocopter Deutschland GmbH	EC135 P1, EC135 P2, EC135 P2+, EC135 T1, EC135 T2, and EC135 T2+ helicopters
2012-10-52	E	Hartzell Engine Technologies	Appliance: Turbocharger HET P/N 406610-0005 or P/N 406610-9005, P/N 406610-0005 or P/N 406610-9005, P/N 409836-0005
2012-10-53	E S 2012-10-51	Eurocopter Deutschland GmbH	EC135 P1, EC135 P2, EC135 P2+, EC135 T1, EC135 T2, and EC135 T2+ helicopters

Biweekly 2012-11

2012-10-01		Bell Helicopter Textron Canada Limited	427
2012-10-04		Cessna Aircraft Company	210G, T210G, 210H, T210H, 210J, T210J, 210K, T210K, 210L, T210L, 210M, T210M, 210N, T210N, P210N, 210R, T210R, P210R
2012-10-09	S 80-11-06	Piper Aircraft Inc	PA-31T, PA-31T1
2012-10-13	S 2011-25-51	Continental Motors Inc	TSIO-520-B, BB, D, DB, E, EB, J, JB, K, KB, N, NB, UB, VB; TSIO-550-K; TSIOF-550-K; IO-550-N

Biweekly 2012-12

2012-09-10		Pratt & Whitney Canada	PT6A-38, -41, -42, -42A, -61, -64, -66, -66B, -110, -112, -114, -114A, -121, -135, and -135A series turboprop engines
2012-09-11		Eurocopter Deutschland GMBH	MBB-BK 117 C-1 and C-2 helicopters
2012-10-11		Burkhart GROB Luft- und Raumfahrt GmbH	GROB G 109 and GROB G 109B powered sailplanes
2012-10-52		Hartzell Engine Technologies	Appliance: See AD
2012-11-08		WACO Classic Aircraft Corporation	2T-1A, 2T-1A-1, 2T-1A-2:
2012-11-10		Alpha Aviation Concept Limited	R2160

Biweekly 2012-13

2012-10-14		SOCATA	TBM 700
2012-11-02		Eurocopter Deutschland	EC135 helicopters
2012-11-05		Enstrom	F-28C, F-28C-2, F-28F, 280C, 280F, 280FX, TH-28, 480, and 480B helicopters
2012-11-12		Agusta	AW139 helicopters
2012-11-13		Aeronautical Accessories	See AD
2012-12-10		Agusta	AB139 and AW139 helicopters

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;			
2012-12-11		Bell Canada	206, 206A, 206A-1, 206B, 206B-1, 206L, 206L-1, 206L-3, and 206L-4 helicopters
2012-12-20		Turbomeca	Arriel 2C1, 2C2, and 2S2 turboshaft engines
2012-12-21		Eurocopter Deutschland	MBB-BK 117 C-2 helicopters
Biweekly 2012-14			
2012-13-04		Embraer	EMB-505
2012-14-06		Rolls-Royce Corporation	250-C20, -C20B, and -C20R/2 turboshaft engines
Biweekly 2012-15			
2012-13-10		PZL Swidnik S.A.	PZL W-3A helicopters
2012-13-11		Eurocopter Deutschland GmbH	MBB-BK 117 A-1, MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK 117 B-1, MBB-BK 117 B-2, MBB-BK 117 C-1, MBB-BK 117 C-2, and BO-105LS A-3 helicopters
2012-14-07	S 2011-15-51	Bell Helicopter Textron Canada	407 and 427 helicopters
2012-14-08		Sikorsky Aircraft	S-92A helicopters
2012-14-10		Boeing Vertol	107-II helicopters
2012-14-11		Kawasaki Heavy Industries	KV107-II and KV107-IIA helicopters
2012-14-14		See AD	OH-58A, OH-58A+, and OH-58C helicopters
2012-14-14		Eurocopter Deutschland GmbH	MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK B-1, MBB-BK 117 B-2, and MBB-BK 117 C-1 helicopters
2012-14-15		Honeywell International	Appliance: KGS200 Mercury ²
2012-15-04		Eurocopter France	EC155B1 helicopters
Biweekly 2012-16			
2012-14-12		See AD	See AD
2012-15-01		See AD	See AD
2012-15-07		Glasflugel	Club Libelle, Kestrel, Mosquito, Standard Libelle-201B gliders
2012-16-03		HPH s. r.o.	304C, 304CZ, and 304CZ-17 sailplanes
Biweekly 2012-17			
2012-12-21	COR	Eurocopter Deutschland	MBB-BK 117 C-2 helicopters
2012-15-08		Sikorsky	S-76A helicopters
2012-16-02		Eurocopter France	EC155B and EC155B1 helicopters
2012-16-13		BRP-Powertrain	Rotax 912 F2; 912 F3; 912 F4; 912 S2; 912 S3; and 912 S4 reciprocating engines



CORRECTION: Federal Register Volume 77, Number 160 (Friday, August 17, 2012); Page 49705.

2012-12-21 Eurocopter Deutschland GMBH: Amendment 39-17101; Docket No. FAA-2012-0659; Directorate Identifier 2011-SW-061-AD.

(a) Applicability

This AD applies to Model MBB-BK 117 C-2 helicopters, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as excessively high reverse current flow when switching off a generator during flight, which could make the remaining generator fail and result in a complete electrical power system failure and subsequent loss of control of the helicopter.

(c) Other Affected ADs

This AD supersedes AD 2011-21-13, Amendment 39-16836 (76 FR 68299, November 4, 2011).

(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 Action

Within 30 days:

(1) Remove the specified temporary pages from the following sections of the rotorcraft flight manual (RFM) RFM BK 117 C-2:

- (i) "Emergency and Malfunction Procedures": pages 3-3 and 3-3a, and
- (ii) "Performance Data": page 5-7.

(2) Remove diodes CR10007 and CR10008 from the generator relays in the left-hand and right-hand After Junction Boxes, respectively, in accordance with the Accomplishment Instructions, paragraphs 3.B.2.(a) through 3.B.2.(d), and as depicted in Figures 1 and 2, of Eurocopter Alert Service Bulletin ASB MBB BK117 C-2-24A-008 Revision 1, dated August 29, 2011.

(3) Test the DC Power system for proper operation.

(4) Do not install an After Junction Box on any helicopter, unless the After Junction Box has been modified in accordance with the requirements of this AD.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: George Schwab, Aviation Safety Engineer, FAA, Rotorcraft Directorate, Safety Management Group, 2601 Meacham Blvd., Fort Worth, TX 76137, telephone (817) 222-5114, email: george.schwab@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

The subject of this AD is addressed in the European Aviation Safety Agency AD No. 2011-0162, dated August 30, 2011.

(h) Subject

Joint Aircraft Service Component (JASC) Code: 2435: Starter Generator.

(i) 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 ASB MBB BK117 C-2-24A-008 Revision 1, dated August 29, 2011.

(ii) Reserved.

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

(4) You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 2601 Meacham Blvd., Room 663, Fort Worth, Texas 76137.

(5) You may also view this service information 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/code_of_federal_regulations/ibr_locations.html.

Issued in Fort Worth, Texas, on June 14, 2012.

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



2012-15-08 Sikorsky Aircraft Corporation (Sikorsky): Amendment 39-17137; Docket No. FAA-2010-0517; Directorate Identifier 2009-SW-73-AD.

(a) Applicability

This AD applies to Model S-76A helicopters, with an electric rotor brake (ERB), part number (P/N) 76363-09100-012, installed, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as an overheated ERB. This condition could result in ignition of hydraulic fluid, fire in the main gearbox area, and subsequent loss of control of the helicopter.

(c) Effective Date

This AD becomes effective September 21, 2012.

(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 120 days, modify the ERB by installing:

(i) Warning relay system parts contained in modification kit, P/N 76070-55023-011, and operationally testing the ERB system in accordance with paragraphs 2.A. through 2.F., of Sikorsky Customer Service Bulletin No. 76-66-10B, Revision 2, dated November 25, 1981 (pages 1 and 9 through 13 of the service bulletin are dated November 25, 1981 and pages 2 through 8 are dated July 30, 1981);

(ii) Circuit breaker and diodes contained in ERB circuit modification kit, P/N 76070-55033-012, and operationally testing the ERB system in accordance with paragraph B. through F. of Sikorsky Customer Service Notice 76-113, dated June 1, 1983; and

(iii) Manifold, relay box, junction box, right-hand relay panel, and wiring harness parts contained in ERB modification kit, P/N 76070-55207-011, and operationally testing the ERB system in accordance with paragraphs 3.B. through 3.I. of the Accomplishment Instructions of Sikorsky Alert Service Bulletin No. 76-66-48B, Revision B, dated July 8, 2009.

(2) After accomplishing paragraph (e)(1) of this AD, insert into the Sikorsky Rotorcraft Flight Manual (RFM) the changes to the "Normal Procedures (Part 1, Section II)" and "Emergency Procedures (Part 1, Section III)" contained in Sikorsky RFM, Supplement No. 41, approved September 6, 2005.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Boston Aircraft Certification Office, FAA, may approve AMOCs for this AD. Send your proposal to: Caspar Wang, Aviation Safety Engineer, Boston Aircraft Certification Office, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; telephone (781) 238-7799; email caspar.wang@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) Subject

Joint Aircraft Service Component (JASC) Code: 6321, Main Rotor Brake.

(h) 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) Sikorsky Customer Service Bulletin No. 76-66-10B, Revision 2, dated November 25, 1981 (pages 1 and 9 through 13 of the service bulletin are dated November 25, 1981 and pages 2 through 8 are dated July 30, 1981);

(ii) Sikorsky Customer Service Notice No. 76-113, dated June 1, 1983;

(iii) Sikorsky Alert Service Bulletin No. 76-66-48B, Revision B, dated July 8, 2009; and

(iv) Sikorsky Rotorcraft Flight Manual Supplement No. 41, Part 1, approved September 6, 2005.

(3) For Sikorsky service information identified in this AD, contact Sikorsky Aircraft Corporation, Attn: Manager, Commercial Technical Support, mailstop s581a, 6900 Main Street, Stratford, CT 06614; telephone (800) 562-4409; email tsslibrary@sikorsky.com; or at <http://www.sikorsky.com>.

(4) You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 2601 Meacham Blvd., Room 663, Fort Worth, Texas 76137.

(5) You may also view this service information 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/code_of_federal_regulations/ibr_locations.html.

Issued in Fort Worth, Texas, on July 20, 2012.

Kim Smith,
Manager, Rotorcraft Directorate,
Aircraft Certification Service.



2012-16-02 Eurocopter France: Amendment 39-17149; Docket No. FAA-2012-0177; Directorate Identifier 2009-SW-59-AD.

(a) Applicability

This AD applies to Model EC155B and EC155B1 helicopters, all serial numbers up to and including 6892, with a VIP 4-seat bench, part number (P/N) 365V85-0045-01 or 365V85-0046-01, installed; certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as possible overloading of the seat structure at the attachment point during a hard landing or emergency landing. This condition could result in the bench seat detaching from the floor and subsequent injury to the seat occupants.

(c) Effective Date

This AD becomes effective September 26, 2012.

(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) Before further flight, revise the Limitations section of the Rotorcraft Flight Manual (RFM) by inserting the following statement into the Limitations section: "The VIP 4-seat bench, P/N 365V85-0045-01 or 365V85-0046-01 is limited to 3 passengers." You may make the change to the Limitations section of the RFM in pen and ink, or by inserting a copy of this AD into the Limitations section of the RFM.

(2) Within the next 15 hours time-in-service, convert the VIP 4-seat bench into the 3-seat configuration in accordance with paragraphs 2.B.1 through 2.B.3 and Figure 1 of Eurocopter Emergency Alert Service Bulletin No. 04A009, Revision 1, dated June 24, 2009.

(f) Alternative Actions for Paragraph (e)

Instead of complying with paragraphs (e)(1) and (e)(2) of this AD, you may modify the rear VIP 4-seat bench by installing the shims contained in rear VIP bench seat retrofit kit, P/N 365V08-0079-0171 (which corresponds to modification 365V08-0079-01), or the front VIP 4-seat bench by installing the shims contained in front VIP bench seat retrofit kit, P/N 365V08-0079-0271 (which corresponds to modification 365V08-0079-02), in accordance with the Operational Procedure, paragraph 2.B. of the Eurocopter Service Bulletin No. 25-095, dated June 25, 2009. Modifying the VIP 4-seat bench constitutes terminating action for 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: Gary Roach, Aerospace Engineer, FAA, Regulations and Policy Group, 2601 Meacham Blvd., Fort Worth, Texas 76137; telephone: (817) 222-5130; fax: (817) 222-5961, email gary.b.roach@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 European Aviation Safety Agency AD No. 2009-0078R1, dated June 30, 2009.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 2500: Cabin Equipment/Furnishings.

(j) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference of this service information 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 Emergency Alert Service Bulletin No. 04A009, Revision 1, dated June 24, 2009.

(ii) Eurocopter Service Bulletin No. 25-095, dated June 25, 2009.

(3) For service information identified in this AD, contact American Eurocopter Corporation, 2701 N. Forum Drive, Grand Prairie, Texas 75052, telephone (972) 641-0000 or (800) 232-0323, fax (972) 641-3775, or at <http://www.eurocopter.com/techpub>.

(4) 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.

(5) You may also review copies of 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/code_of_federal_regulations/ibr_locations.html.

Issued in Fort Worth, Texas, on July 26, 2012.

Kim Smith,
Manager, Rotorcraft Directorate,
Aircraft Certification Service.



2012-16-13 BRP-Powertrain GmbH & Co. KG (formerly BRP-Rotax GmbH & Co KG, Bombardier-Rotax GmbH & Co. KG, and Bombardier-Rotax GmbH): Amendment 39-17160; Docket No. FAA-2012-0603; Directorate Identifier 2012-NE-17-AD.

(a) Effective Date

This airworthiness directive (AD) becomes effective September 10, 2012.

(b) Affected ADs

None.

(c) Applicability

This AD applies to BRP-Powertrain GmbH & Co KG Rotax 912 F2; 912 F3; 912 F4; 912 S2; 912 S3; and 912 S4 reciprocating engines, with a fuel pump part number (P/N) 893114 having a serial number (S/N) listed in Table 1 to paragraph (c) of this AD:

Table 1 to Paragraph (c)–Affected Fuel Pump S/Ns

11.3117 through 11.3325 inclusive.
11.4036 through 11.4355 inclusive.
11.4516 through 11.4595 inclusive.
12.0251 through 12.0270 inclusive.

(d) Reason

This AD was prompted by reports of fuel pumps having pressure side fuel hoses not meeting the design specification. We are issuing this AD to prevent pressure side fuel hose deterioration and contamination of the carburetor, which could result in an in-flight engine shutdown, forced landing and damage to the airplane.

(e) Actions and Compliance

Unless already done, within 5 flight hours after the effective date of the AD do the following:

(1) Replace the pressure side fuel hose on the fuel pump with a fuel hose eligible for installation on the pressure side of the fuel pump.

(2) Inspect the carburetors for contamination. Use paragraph 3.1.2 of BRP-Powertrain GmbH & Co KG, Rotax Aircraft Engines Alert Service Bulletin No. ASB-912-061R1, dated May 31, 2012, to perform your inspection.

(f) Definition

For the purpose of this AD, a fuel hose eligible for installation is one that was not from any of the affected fuel pumps with an S/N listed in Table 1 to paragraph (c) of this AD.

(g) Installation Prohibition

(1) After the effective date of this AD, do not install a P/N 893114 fuel pump with an S/N listed in Table 1 to paragraph (c) of this AD onto any engine, unless the pressure side fuel hose has been replaced as required by this AD.

(2) After the effective date of this AD, do not install a Rotax 912 engine with a P/N 893114 fuel pump with an S/N listed in Table 1 to paragraph (c) of this AD in any airplane unless it has been inspected and the pressure side fuel hose replaced as required by this AD.

(3) After the effective date of this AD, do approve for return to service any product or article with a fuel hose removed from a P/N 893114 fuel pump with an S/N listed in Table 1 to paragraph (c) of this AD.

(h) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, 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 Alan Strom, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; email: alan.strom@faa.gov; phone: 781-238-7143; fax: 781-238-7199.

(2) Refer to European Aviation Safety Agency AD 2012-0097-E, dated May 31, 2012, and AD 2012-0097R1, dated June 1, 2012, for related information.

(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) BRP-Powertrain GmbH & Co KG, Rotax Aircraft Engines Alert Service Bulletin No. ASB-912-061R1, dated May 31, 2012.

(ii) Reserved.

(3) For BRP-Powertrain GmbH & Co KG service information identified in this AD, contact BRP-Powertrain GmbH & Co KG, Welser Strasse 32, A-4623 Gunskirchen, Austria, or go to: <http://www.rotax-aircraft-engines.com>.

(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.

(5) You may view this service information 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>.

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Peter A. White,
Manager, Engine & Propeller Directorate,
Aircraft Certification Service.