

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2012-26

12/17/2012 - 12/30/2012



Federal Aviation Administration
Engineering Procedures Office, AIR-110
P.O. Box 25082
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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

Biweekly 2012-01

2010-19-06 R1	COR	Turbomeca	Engine: Arriel 1A, 1A1, 1B, 1C, 1C1, 1C2, 1D, 1D1, and IS1 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

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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
2012-12-11		Bell Canada	206, 206A, 206A-1, 206B, 206B-1, 206L, 206L-1, 206L-3,

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2012-12-20 2012-12-21		Turbomeca Eurocopter Deutschland	and 206L-4 helicopters Arriel 2C1, 2C2, and 2S2 turboshaft engines MBB-BK 117 C-2 helicopters
Biweekly 2012-14			
2012-13-04 2012-14-06		Embraer Rolls-Royce Corporation	EMB-505 250-C20, -C20B, and -C20R/2 turboshaft engines
Biweekly 2012-15			
2012-13-10 2012-13-11		PZL Swidnik S.A. Eurocopter Deutschland GmbH	PZL W-3A helicopters 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 2012-14-08 2012-14-10	S 2011-15-51	Bell Helicopter Textron Canada Sikorsky Aircraft Boeing Vertol	407 and 427 helicopters S-92A helicopters 107-II helicopters
2012-14-11 2012-14-14		Kawasaki Heavy Industries See AD Eurocopter Deutschland GmbH	KV107-II and KV107-IIA helicopters OH-58A, OH-58A+, and OH-58C helicopters 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 2012-15-04		Honeywell International Eurocopter France	Appliance: KGS200 Mercury ² EC155B1 helicopters
Biweekly 2012-16			
2012-14-12 2012-15-01 2012-15-07		See AD See AD Glasflugel	See AD See AD 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 2012-15-08 2012-16-02 2012-16-13	COR	Eurocopter Deutschland Sikorsky Eurocopter France BRP-Powertrain	MBB-BK 117 C-2 helicopters S-76A helicopters EC155B and EC155B1 helicopters Rotax 912 F2; 912 F3; 912 F4; 912 S2; 912 S3; and 912 S4 reciprocating engines
Biweekly 2012-18			
2012-08-06 2012-16-14 2012-17-02 2012-17-03 2012-17-05 2012-17-07 2012-18-01	S 52-02-02	Univair Aircraft Corporation Honeywell International Inc. Eurocopter France Eurocopter France Honeywell International Inc. Diamond Aircraft Industries GmbH M7 Aerospace LLC	(ERCO) 415-C, 415-CD, 415-D, E, G; (Forney) F-1 and F-1A; (Alon) A-2 and A2-A; and (Mooney) M10 TFE731-20R, -20AR, -20BR, -40, -40AR, -40R, -50R, and -60 turbofan engines SA-365N, SA-365N1, SA-366G1, AS-365N2, AS 365 N3, EC 155B, and EC155B1 helicopters AS350B, AS350BA, AS350D, AS350B1, AS350B2, and AS350B3 helicopters TFE731-5, TFE731-5AR and -5BR series, TFE731-4, -4R, -5AR, -5BR, and -5R series turbofan engines DA 42, DA 42 NG, and DA 42 M-NG SA226-AT, SA226-T, SA226-T(B), SA226-TC, SA227-AC (C-26A), SA227-BC (C-26A), SA227-CC, SA227-DC (C-26B), SA227-AT, and SA227-TT
Biweekly 2012-19			
2012-15-07 R1 2012-17-06 2012-17-09 2012-17-10 2012-18-02 2012-18-04 2012-18-06		Glasflugel Piper Eurocopter France Various Restricted Category Helicopters Agusta Costruzioni Aeronautiche Piaggio	Club Libelle 205, Kestrel, Mosquito, Standard Libelle-201B PA-24, PA-24-250, PA-24-260 HH-1K, TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1H, UH-1L, and UH-1P helicopters AB412 and AB412EP helicopters P2006T airplanes P-180 airplanes

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2012-18-08		Eurocopter France	SA330F, SA330G, SA330J, AS332C, AS332L, AS332L1, and AS332L2 helicopters
2012-18-09		Bell Helicopter Textron Canada	407 helicopters
2012-18-10		GA200 (Pty) Ltd	GA200 and GA200C airplanes
2012-18-18		Turbomeca	Arriel 2B, 2B1, 2S2, and 2C2 turboshaft engines
2012-19-01		Lycoming Engines	(L)O-360, (L)IO-360, AEIO-360, IO-390, AEIO-390, O-540, IO-540, AEIO-540, (L)TIO-540, IO-580, AEIO-580, and IO-720 series reciprocating engines
Biweekly 2012-20			
2012-19-09		Eurocopter France	EC 155B, EC155B1, SA-365N1, AS-365N2 and AS 365 N3 helicopters
2012-20-02		Alpha Aviation Concept Limited	R2160
Biweekly 2012-21			
2000-07-11 R1		Piaggio Aero Industries S.p.A.	P-180
2012-21-51	E	Eurocopter France	AS350B3 helicopters
Biweekly 2012-22			
2012-21-01	S 2011-14-05	MD Helicopters, Inc.	MD900 helicopters
2012-21-05		Hawker Beechcraft	G58
2012-21-06		Hawker Beechcraft	C90GTi (King Air)
2012-21-07		Agusta	A109S helicopters
2012-21-09		Eurocopter France	EC225 LP helicopters
2012-21-52	E	Agusta S.p.A.	AW139 helicopters
Biweekly 2012-23			
2003-17-03 R1	R 2003-17-03	Piaggio Aero Industries S.p.A.	P-180
2012-08-06	S 52-02-02	Univair Aircraft Corporation	(ERCO) 415-C, 415-CD, 415-D, E, G; (Forney) F-1 and F-1A; (Alon) A-2 and A2-A; and (Mooney) M10
2012-16-13		BRP-Powertrain GmbH & Co KG	Rotax 912 F2; 912 F3; 912 F4; 912 S2; 912 S3; and 912 S4 reciprocating engines
2012-22-06		Aeronautical Accessories, Inc.	Appliance: See Ad
2012-22-09		Sikorsky Aircraft Corporation	S-92A helicopters
2012-22-11		Bell Helicopter Textron	412, 412EP AND 412CF helicopters
2012-22-13		Sikorsky Aircraft Corporation	S-76C helicopters
2012-22-14		Sikorsky Aircraft Corporation	S-70, S-70A, S-70C, S-70C(M), and S-70C(M1) helicopters
Biweekly 2012-24			
2012-10-53		Eurocopter Deutschland GMBH	EC135 P1, EC135 P2, EC135 P2+, EC135 T1, EC135 T2, and EC135 T2+ helicopters
2012-22-01		Cessna	172R and 172S
2012-23-01		Cessna	402C and 414A
2012-23-03		Eurocopter France	SA.315B Alouette III, SE.3160 Alouette III, SA.316B Alouette III, SA.316C Alouette III, SA.319B Alouette III, SA 3180-ALOUETTE ASTAZOU, SA 318B-ALOUETTE ASTAZOU, and SA 318 C-ALOUETTE ASTAZOU helicopters
2012-23-05		Eurocopter Deutschland GMBH	MBB-BK117 C-2 helicopters
2012-23-13		Sikorsky	S-70, S-70A, and S-70C helicopters
Biweekly 2012-25			
2012-21-52		Agusta	AW139 helicopters
2012-23-02		Agusta	A109E and 109S helicopters
2012-23-07		Eurocopter Deutschland GmbH	EC135 helicopters
2012-23-11		Erickson Air-Crane Incorporated	S-64F helicopters
2012-23-12	S 2009-03-04	Turbomeca S.A.	Arriel 1E2, 1S, and 1S1 turboshaft engines
2012-24-02		Stemme GmbH & Co. KG	S10, S10-V, and S10-VT powered sailplanes
2012-24-03	S 2003-12-14	Turbomeca S.A.	Arriel 1A, 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines
2012-24-04		GA 8 Airvan (Pty) Ltd	GA8 and GA8-TC320
2012-24-09		Lycoming Engines and Continental Motors, Inc.	TIO-540-AK1A, TSIO-360-MB, TSIO-360-SB, and TSIO-360-RB reciprocating engines

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

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Biweekly 2012-26

2012-18-10 R1	R 2012-18-10	GA200 (Pty) Ltd	GA200 and GA200C
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2012-18-10 R1 GA200 (Pty) Ltd: Amendment 39-17294; Docket No. FAA-2012-0946; Directorate Identifier 2012-CE-037-AD.

(a) Effective Date

This airworthiness directive (AD) becomes effective January 31, 2013.

(b) Affected ADs

This AD revises AD 2012-18-10, Amendment 39-17187 (77 FR 55686, September 11, 2012).

(c) Applicability

This AD applies to GA200 (Pty) Ltd Models GA200 and GA200C airplanes, all serial numbers, certificated in any category.

(d) Subject

Air Transport Association of America (ATA) Code 57: Wings.

(e) Reason

This AD was prompted by mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as failure of the wing strut bolt through the main spar. We are issuing this AD to prevent failure of the wing strut bolt, which could result in wing failure.

(f) Actions and Compliance

Unless already done, do the following actions.

(1) Within 10 hours time-in-service (TIS) after September 14, 2012 (the effective date retained from AD 2012-18-10, Amendment 39-17187 (77 FR 55686, September 11, 2012)), inspect the inboard strut fitting following GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 1, dated August 22, 2012 (which is incorporated by reference in AD 2012-18-10); or GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 2, dated September 4, 2012. Repetitively thereafter inspect at intervals not to exceed 500 hours TIS following GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 2, dated September 4, 2012. The inspection procedures remain the same; however, the revised service bulletin provides repair instructions in lieu of contacting the manufacturer.

(2) If the 100-hour TIS repetitive inspection previously required in AD 2012-18-10, Amendment 39-17187 (77 FR 55686, September 11, 2012) has already been done before January 31, 2013 (the effective date of this AD) following GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 1, dated August 22, 2012 (which is incorporated by reference in AD 2012-18-10), the next required inspections are due at intervals not to exceed 500 hours TIS after the last inspection

following GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 2, dated September 4, 2012.

(3) If any discrepancies are found during any of the inspections required by paragraphs (f)(1) and (f)(2) of this AD, before further flight after the inspection in which the discrepancy is found, take all necessary corrective actions following GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 1, dated August 22, 2012 (which is incorporated by reference in AD 2012-18-10); or GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 2, dated September 4, 2012.

(g) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, 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: Doug Rudolph, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4059; fax: (816) 329-4090; email: doug.rudolph@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) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, a federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

(h) Related Information

Refer to MCAI Civil Aviation Safety Authority (CASA) AD AD/GA200/1, Amendment 1, dated September 21, 2012; GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 1, dated August 22, 2012; and GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 2, dated September 4, 2012, for related information.

(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.

(3) The following service information was approved for IBR on January 31, 2013.

(i) GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 2, dated September 4, 2012.

(ii) Reserved.

(4) The following service information was approved for IBR on September 14, 2012 (77 FR 55686, September 11, 2012).

(i) GippsAero Mandatory Service Bulletin SB-GA200-2012-08, Issue 1, dated August 22, 2012.

(ii) Reserved.

(5) For GippsAero service information identified in this AD, contact GippsAero, P.O. Box 881, Morwell, Victoria 3840, Australia, telephone: + 61 (0) 3 5172 1200; fax + 61 (0) 3 5172 1201; email: support@gippsaero.com; Internet: www.gippsaero.com.

(6) You may view this service information at FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

(7) 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/index.html>.

Issued in Kansas City, Missouri, on December 12, 2012.

Earl Lawrence,
Manager, Small Airplane Directorate,
Aircraft Certification Service.