

**FEDERAL AVIATION ADMINISTRATION  
AIRWORTHINESS DIRECTIVES**

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

**BIWEEKLY 2017-14**

*6/26/2017 - 7/9/2017*



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 2017-01**

2016-24-51		Sikorsky Aircraft Corporation	S-92A
2016-25-13	S 2016-04-12	Safran Helicopter Engines, S.A.	Arriel 2B, 2B1, 2C, 2C1, 2C2, 2D, 2E, 2S1, and 2S2
2016-25-14		Airbus Helicopters Deutschland GmbH	BO-105LS A-3
2016-25-19	S 2010-21-07	Airbus Helicopters	AS350B3 and EC130B4
2016-25-20		Airbus Helicopters	EC130B4, EC130T2, AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2016-25-28		Airbus Helicopters	AS355NP
2016-26-01		AGUSTAWESTLAND S.P.A.	AB139 and AW139
2016-26-04		Robinson Helicopter Company	R44 and R44 II; R66
2016-26-08	R 2014-22-01	PILATUS AIRCRAFT LTD.	PC-12, PC-12/45, PC-12/47, and PC-12/47E
2016-26-09	S 2016-06-01	B-N Group Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T-4R, BN-2T, BN2A MK. III, BN2A MK. III-2, and BN2A MK. III-3

**Biweekly 2017-02**

2017-01-12		Diamond Aircraft Industries GmbH	DA 42 airplanes
2017-02-51		Sikorsky Aircraft Corporation	S-92A helicopters

**Biweekly 2017-03**

No ADs

**Biweekly 2017-04**

2016-26-08	COR	PILATUS AIRCRAFT LTD.	PC-12, PC-12/45, PC-12/47, and PC-12/47E airplanes
2017-02-06		Piper Aircraft, Inc.	PA-31T, PA-31T1, PA-31T2, PA-31T3, and PA-31P-350 airplanes
2017-02-07		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2, and Model MBB-BK 117 D-2 helicopters
2017-02-11		Alexander Schleicher GmbH & Co.	ASK 21 gliders
2017-04-51		Safran Helicopter Engines, S.A.	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S and 1S1 turboshaft engines

**Biweekly 2017-05**

2017-02-51		Sikorsky Aircraft Corporation	S-92A helicopters
2017-03-01	S 2014-05-06	Airbus Helicopters Deutschland GmbH	EC135 P1, P2, P2+, T1, T2, and T2+ helicopters
2017-04-03		Pilatus Aircraft Limited	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, and PC-6/C1-H2 airplanes
2017-04-06		United Instruments, Inc.	5934 series altimeters
2017-04-14		Textron Aviation Inc.	560XL airplanes
2017-04-15		Learjet Inc.	36A airplanes
2017-05-03		Airbus Helicopters Deutschland GmbH	BO-105C, BO-105LS A-3, and BO-105S helicopters
2017-05-04		Bell Helicopter Textron Canada Limited	206A, 206B, 206L, 206L1, 206L3, and 206L4 helicopters
2017-05-51		Bell Helicopter Textron Canada	429 helicopters

**Biweekly 2017-06**

2017-05-08		Safran Helicopter Engines, S.A.	Arriel 2B turboshaft engines
2017-04-51		Safran Helicopter Engines, S.A.	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines

**Biweekly 2017-07**

2017-07-02		Sikorsky Aircraft Corporation	269D and Model 269D Configuration A helicopters
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**SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

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Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces			
2017-07-01		M7 Aerospace LLC	SA226-T, SA226-AT, SA226-T(B), SA226-TC, SA227-AC (C-26A), SA227-AT, SA227-BC (C-26A), SA227-CC, SA227-DC (C-26B), and SA227-TT airplanes
2017-06-03	R 81-09-09	Meggitt (Troy), Inc.	921, 930, 937, 940, 944, 945, 977, 978, 979, 8240, 8253, 8259, and 8472 combustion heaters
<b>Biweekly 2017-08</b>			
2017-07-10		American Champion Aircraft Corp.	8KCAB airplanes
2017-05-51		Bell Helicopter Textron Canada	429 helicopters
2017-07-08		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2 helicopters
2017-07-09		Sikorsky Aircraft Corporation	S-92A helicopters
<b>Biweekly 2017-09</b>			
2017-08-07		Learjet, Inc	60
2017-08-09		DG Flugzeugbau GmbH	DG-500MB
2017-08-12		GROB Aircraft AG	GROB G 109 and GROB G 109B
2017-09-02		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 and MBB-BK 117 D-2
2017-06-11		Airbus Helicopters	EC120B
<b>Biweekly 2017-10</b>			
2017-09-05		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, and EC225LP helicopters
2017-09-07		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 helicopters
<b>Biweekly 2017-11</b>			
2017-10-02	S 2015-11-01	Slingsby Aviation Ltd.	T67M260 and T67M260-T3A airplanes
2017-10-03	R 2003-11-12	ZLIN AIRCRAFT a.s.	Z-242L airplanes
2017-10-09		Textron Aviation Inc.	402C, 414A airplanes
2017-10-11		Stemme AG	S10-VT gliders
2017-10-14	S 2014-07-07	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 airplanes
2017-10-20		Piper Aircraft, Inc.	PA-31, PA-31-300, and PA-31-325; PA-31-350 airplanes
2017-11-03		DG Flugzeugbau GmbH	DG-500MB gliders
<b>Biweekly 2017-12</b>			
2017-10-03	R 2003-11-12	ZLIN AIRCRAFT a.s	Z-242L airplanes
2017-10-14	S 2014-07-07	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 airplanes
2017-11-08		Diamond Aircraft Industries GmbH	DA 42 airplanes
2017-11-09	R 2017-08-07	Learjet, Inc.	60 airplanes
2017-11-11		NavWorx, Inc.	ADS600-B and ADS600-EXP ADS-B Universal Access Transceiver units
2017-11-16		PILATUS AIRCRAFT LTD.	PC-12/47E airplanes
<b>Biweekly 2017-13</b>			
2017-11-10		Lycoming Engines	TIO-540-AJ1A reciprocating engines
2017-12-04	S 2016-20-04	Airbus Helicopters	SA 341G and Model SA 342J helicopters
2017-13-03		Bell Helicopter Textron Canada Limited	429 helicopters
2017-13-04		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 (including configuration C-2e) and Model MBB-BK 117 D-2 helicopters
<b>Biweekly 2017-14</b>			
2017-13-06		DG Flugzeugbau GmbH	DG-400, DG-500M, DG-500MB, DG-800A, and DG-800B



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**2017-13-06 DG Flugzeugbau GmbH:** Amendment 39-18936; Docket No. FAA-2017-0343; Directorate Identifier 2017-CE-005-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective July 31, 2017.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to DG Flugzeugbau GmbH Models DG-400, DG-500M, DG-500MB, DG-800A, and DG-800B gliders, all serial numbers, that:

- (1) Have textile fabric covered fuel hoses installed in the fuselage; and
- (2) are certificated in any category.

Note 1 to paragraph (c) of this AD: Metal fabric covered fuel hoses installed in the engine area are not affected by this AD.

**(d) Subject**

Air Transport Association of America (ATA) Code 28: Fuel.

**(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 a manufacturing defect in certain textile fabric covered fuel hoses, which could cause the fuel hose to fail. We are issuing this AD to prevent failure of the fuel hose, which could cause reduced fuel supply and result in partial or total loss of power.

**(f) Actions and Compliance**

Unless already done, do the following actions:

- (1) Within the next 30 days after July 31, 2017 (the effective date of this AD), inspect all textile fabric covered fuel hoses located in the fuselage following Instructions 1. of DG Flugzeugbau GmbH Technical note (TN) No. 800-44, 500-10, DG-SS-02, dated November 9, 2016.

Note 2 to paragraph (f)(1) through (6) of this AD: DG Flugzeugbau GmbH TN No. 800-44, DG Flugzeugbau GmbH TN No. 500-10, and DG Flugzeugbau GmbH TN No. DG-SS-02, are all dated November 9, 2016, and co-published as one document.

(2) If any kinking or wet fabric covering is found during the inspection required in paragraph (f)(1) of this AD, within the next 14 days after the inspection, replace all textile fabric covered fuel hoses located in the fuselage following Instructions 2. of DG Flugzeugbau GmbH TN No. 800-44, 500-10, DG-SS-02, dated November 9, 2016, and DG-400 diagram 8, 6 TN DG-SS-02; DG-500M diagram 14, TN 500/10; DG-500MB diagram 14, TN 500/10; DG-800A/LA diagram 11, TN 800/44; DG-800B Solo 2625 diagram 11, TN 800/44; DG-800B Solo 2625 diagram 11a, TN 800/44; DG-800B Solo 2625 diagram 11b, TN 800/44; and DG-800B ab W.Nr. 8-155/from ser. no. 8-155 on, diagram 11d, TN 800/44, as applicable, all diagrams issued October 2016.

(3) If no kinking or wet fabric covering is found during the inspection required in paragraph (f)(1) of this AD, within the next 12 months after July 31, 2017 (the effective date of this AD), replace all textile fabric covered fuel hoses located in the fuselage following the instructions and diagrams specified in paragraph (f)(2) of this AD.

(4) Within 12 months after doing the replacements required in paragraph (f)(2) or (f)(3) of this AD, as applicable, and repetitively thereafter at intervals not to exceed 12 months, inspect all fuel hoses in the fuselage for any signs of wear, fissures, kinks, lack of tight fit, or leaks. For this inspection, the ignition switch must be turned on to run the electric fuel pump to demonstrate an operating fuel pressure. Do this inspection following Instructions 4. of DG Flugzeugbau GmbH TN No. 800-44, 500-10, DG-SS-02, dated November 9, 2016.

(5) If any signs of wear, fissures, kinks, lack of tight fit, or leaks are found during any inspection required in paragraph (f)(4) of this AD, replace the defective fuel hose in the fuselage following the instructions and diagrams specified in paragraph (f)(2) of this AD. Continue with the repetitive inspections as specified in paragraph (f)(4) of this AD.

(6) If no signs of wear, fissures, kinks, lack of tight fit, or leaks are found during any inspection required in paragraph (f)(4) of this AD, at intervals not to exceed 10 years, replace the fuel hoses in the fuselage with new fuel hoses following the instructions and diagrams specified in paragraph (f)(2) of this AD.

### **(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: Jim Rutherford, Aerospace Engineer, FAA, Small Airplane Directorate, 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 glider 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.

### **(h) Related Information**

Refer to MCAI European Aviation Safety Agency (EASA) AD No.: 2016-0259, dated December 21, 2016, for related information. You may examine the MCAI on the Internet at <https://www.regulations.gov/document?D=FAA-2017-0343-0002>.

### **(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 this AD specifies otherwise.

(i) DG-400 diagram 8, issued October 2016 TN DG-SS-02.

(ii) DG-500M diagram 14, issued October 2016 TN 500/10.

(iii) DG-500MB diagram 14, issued October 2016 TN 500/10.

(iv) DG-800A/LA diagram 11, issued October 2016 TN 800/44.

(v) DG-800B Solo 2625 diagram 11, issued October 2016 TN 800/44.

(vi) DG-800B Solo 2625 diagram 11a, issued October 2016 TN 800/44.

(vii) DG-800B Solo 2625 diagram 11b, issued October 2016 TN 800/44.

(viii) DG-800B ab W.Nr. 8-155/from ser. no. 8-155 on, diagram 11d, issued October 2016 TN 800/44.

(ix) DG Flugzeugbau GmbH Technical note (TN) No. 800-44, 500-10, DG-SS-02, dated November 9, 2016.

Note 3 to paragraph (i)(2)(ix) of this AD: DG Flugzeugbau GmbH TN No. 800-44, DG Flugzeugbau GmbH TN No. 500-10, and DG Flugzeugbau GmbH TN No. DG-SS-02, are all dated November 9, 2016, and co-published as one document.

(3) For service information identified in this AD, DG Flugzeugbau GmbH, Otto-Lilienthal Weg 2, D-76646 Bruchsal, Germany; telephone: +49 (0)7251 3202-0; email: [info@dg-flugzeugbau.de](mailto:info@dg-flugzeugbau.de); Internet: [http://www.dg-flugzeugbau.de/en/?noredirect=en\\_US](http://www.dg-flugzeugbau.de/en/?noredirect=en_US).

(4) You may view this service information at the 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. In addition, you can access this service information on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0343.

(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 June 19, 2017.

Pat Mullen,  
Acting Manager, Small Airplane Directorate,  
Aircraft Certification Service.