



**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS,
BALLOONS, & AIRSHIPS**

BIWEEKLY 2005-20

This electronic copy may be printed and used in lieu of the FAA biweekly paper copy.

U.S. Department of Transportation
Federal Aviation Administration
Regulatory Support Division
Delegation and Airworthiness Programs Branch, AIR-140
P. O. Box 26460
Oklahoma City, OK 73125-0460
FAX 405-954-4104

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;			
Biweekly 2005-01			
2004-26-09		Rolls-Royce Corporation	Engine: 250-B17, -B17B, -B17C, -B17D, -B17E, 250-C20, -C20B, -C20F, -C20J, -C20S, and -C20W Series Turboprop and Turboshaft
2004-26-11 2005-01-04	S 98-15-13	Bell Helicopter Textron Canada Raytheon Aircraft Company	Rotorcraft: 222, 222B, 222U, 230, 430 65-90, 65-A90, B90, C90, C90A, C90B, E90, F90, H90, 100, A100, A100-1, (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99
2005-01-10 2005-01-11	S 74-06-01	The New Piper Aircraft, Inc Pilatus Aircraft Ltd.	PA-23-235, PA-23-250, and PA-E23-250 PC-12 and PC-12/45
Biweekly 2005-02			
98-20-38 R1	R	Raytheon Aircraft Company	Beech 200 (A100-1 (U-21J)), Beech 200C, Beech 200CT, Beech 200T, Beech A200 (C-12A) or (C-12C), Beech A200C (UC-12B), Beech A200CT (C-12D), (FWC-12D), (RC-12D), (C-12F), (RC-12G), (RC-12H), (RC-12K), or (RC-12P), B200CT, and B200T
2005-01-14 2005-01-17 2005-01-18	S 2002-21-16 S 98-03-14 S 93-25-07	Bombardier-Rotax GmbH EXTRA Flugzeugbau GmbH Raytheon Aircraft Company	Engine: 912 F, 912 S, and 914 F Series Reciprocating EA-300 and EA-300/S A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D), A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, 200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12M), B200CT, 300, B300, B300C, and B300C
2005-01-19	S 2004-10-15	GARMIN International Inc	Appliance: GTX 33, GTX 33D, GTX 330, and GTX 330D Mode S Transponders
2005-02-01		The Lancair Company	LC40-550FG and LC42-550FG
Biweekly 2005-03			
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, and C99
2005-01-18	COR S 93-25-07	Raytheon Aircraft Company	A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D), A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, B200CT, 200T, B200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12M), B200CT, 300, B300C, and B300C
2005-02-11 2005-03-04	COR	Gippsland Aeronautics Pty. Ltd. Pacific Aerospace Corp., Ltd.	GA8 750XL
Biweekly 2005-04			
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99
2005-03-07 2005-03-08 2005-03-09		Bell Helicopter Textron Canada Eurocopter France Eurocopter France	Rotorcraft: 407 Rotorcraft: AS350B, BA, B1, B2, B3, C, D, D1, and EC130 B4 Rotorcraft: EC 155B, EC155B1, SA-360C, SA-365C, SA-365C1, SA-365C2, SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1
2005-03-10 2005-04-09	S 2002-08-54 S 2004-26-11	Bell Helicopter Textron Bell Helicopter Textron Canada	Rotorcraft: 222, 222B, 222U, and 230 Rotorcraft: 222, 222B, 222U, 230, and 430

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;

Biweekly 2005-05

2005-04-08 2005-04-10		Hartzell Propeller Inc. General Electric Company	Propeller: HC-B3TN-5()/T10282() Engine: CT58-140-1, CT58-140-2, and surplus military T58-GE-5, -10, -100, and "402 turboshaft
2005-04-16		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2005-05-51	E	Cessna Aircraft Company	402C and 414A
2005-05-52	E, S 2005-05-51	Cessna Aircraft Company	402C and 414A
2005-05-53	E	Cessna Aircraft Company	172R, 172S, 182T, and T182T
2005-05-53 R1	E, R, S 2005-05-53	Cessna Aircraft Company	172R, 172S, 182T, and T182T

Biweekly 2005-06

2005-05-14 2005-05-15		Eagle Aircraft (Malaysia) Honeywell International Inc.	Eagle 150B Engine: TFE731-2 and -2C series, and TFE731-3, -3A, -3AR, -3B, -3BR, and -3R series turbofan
2005-06-01		Eurocopter France	Rotorcraft: EC 155B and EC 155B1

Biweekly 2005-07

2005-05-52	FR, S 2005-05-51 and 2000-23-01	Cessna	402C and 414A
2005-05-53 R1	R, 2005-05-53	Cessna	172R, 172S, 182T, and T182T
2005-06-13	S 99-0602	Fairchild Aircraft, Inc.	SA226-AT, SA226-TC, SA226-T, SA226-T(B), SA227-TT, SA227-TT(300), SA227-AC, SA227-AT, SA227-BC, and SA227-CC/DC
2005-07-01		Cessna	208 and 208B

Biweekly 2005-08

83-08-01 R2	R, S 83-08-01 R1	Hartzell Propeller Inc.	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, and HC-B5MP-3 turbopropellers
2005-07-01	COR	Cessna	208 and 208B
2005-07-27	S 2000-18-04	Aviointeriors S.p.A.	Appliance: Model 312 Seats

Biweekly 2005-09

2005-08-06		Centrair	Glider: 101, 101A, 101AP, and 101P
2005-08-07		Pilatus Aircraft Limited	Sailplane: B4-PC11, B4-PC11A, and B4-PC11AF
2005-08-12		Centrair	Glider: 101, 101A, 101AP, and 101P
2005-08-13		Glaser-Dirks Flugzeugbau GmbH	Sailplane: DG-800B
2005-08-14		LET a.s.	Sailplane: Blanik L-13 AC
2005-09-51	E	Turbomeca S.A.	Engine: Arrius 2F Turboshaft

Biweekly 2005-10

2004-25-16 R1	R, 2004-25-16	Kelly Aerospace Power Systems	Appliance: Fuel regulator shutoff valve
2005-08-06	COR	Centrair	Glider: 101 Series
2005-09-05		Eurocopter France	Rotorcraft: EC120B
2005-09-06		Agusta S.p.A.	Rotorcraft: A119
2005-09-07		Agusta S.p.A.	Rotorcraft: A109E

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;			
Biweekly 2005-11			
2005-09-51	FR	Turbomeca S.A.	Engine: Arrius 2F turboshaft
2005-10-12		Schweizer Aircraft Corporation	Rotorcraft: 269C, C-1, and D
2005-10-13		Rolls-Royce Corporation	Engine: 250-B17B, -B17C, -B17D, -B17E, -C20, -C20B, -C20F, -C20J, -C20S, and -C20W turboprop and turboshaft
2005-10-14	S 2004-01-51	Eurocopter France	Rotorcraft: AS355E, F, F1, F2, and N
2005-10-23		DG Flugzeugbau GmbH and Glaser-Dirks Flugzeugbau GmbH	Glider: DG-500MB and DG-800B
2005-10-24	S 2003-14-20	AeroSpace Technologies of Australia Pty. Ltd.	N22B, N22S and N24A
2005-11-01		Turbomeca S.A.	Engine: Arrius 1A turboshaft
Biweekly 2005-12			
2005-11-05		Precise Flight, Inc.	Appliance: Standby vacuum system (SVS)
2005-11-06		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2005-11-07		Extra Flugzeugproduktions-Und Vertriebs-GmbH	EA-300, EA-300S, ES-300L, and EA-300/200
2005-11-08		GROB-WERKE	G120A
2005-12-01		Agusta S.p.A.	Rotorcraft: A109E
2005-12-02	S 98-10-12	Revo, Incorporated	Colonial C-2, Lake LA-4, Lake LA-4A, Lake LA-4P, and Lake LA-4-200
2005-12-51	E	Rockwell International and Autair Ltd.	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
Biweekly 2005-13			
2005-12-03		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2005-12-06	S 96-12-07	Teledyne Continental Motors	Appliance: S-20, S-1200, D-2000, and D-3000 Series Magnetos
2005-12-08		Turbomeca S.A.	Engine: Arrius 2 B1, 2 B1A, 2 B1A-1, and 2 B2 turboshaft
2005-12-09		Grob-Werke	G120A
2005-12-12	S 79-10-15	Cessna Aircraft Company	401, 401A, 401B, 402, 402A, 402B, 411, and 411A
2005-12-13	S 2005-05-52	Cessna Aircraft Company	402C and 414A
2005-12-20		The Lancair Company	LC41-550FG
2005-12-51	FR	Rockwell International	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
2005-13-01	S 2004-18-01	Hoffmann Propeller GmbH & Co KG	Propeller: HO-V343 and HO-V343K
2005-13-07		Honeywell International Inc.	Engine: TFE731-2 and -3 series turbofan
2005-13-09		GROB-WERKE	G120A
2005-13-10		Cessna Aircraft Company	172R, 172S, 182T, T182T, 206H, T206H
2005-13-11		General Electric Company	Engine: CT64-820-4 turboprop
2005-13-12		Air Tractor, Inc.	AT-300, AT-301, AT-302, AT-400, and AT-400A, AT-401/AT-402, AT-602, AT-802 and AT-802A
2005-13-13		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2005-13-16	S 93-24-14	The New Piper Aircraft, Inc.	PA-34-200, PA-34-200T, and PA-34-220T
2005-13-17		Agusta. S.p.A.	Rotorcraft: AB412 Series
2005-13-23	S 2003-18-03	Eurocopter France	Rotorcraft: EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2005-13-25		Turbomeca S.A.	Engine: Arriel 2B
Biweekly 2005-14			
2005-12-12	COR	Cessna	401, 401A, 401B, 402, 402A, 402B, 411, and 411A
2005-12-20	COR	Lancair Company	LC41-550FG

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;			
Biweekly 2005-15			
2005-12-51	COR	Rockwell International	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
2005-14-11		Hartzell Propeller, Inc., McCauley Propeller, Sensenich Propeller	Propeller: See AD
2005-14-12		Hartzell Propeller	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3
Biweekly 2005-16			
2005-15-10		New Piper Aircraft	PA-34-200T, PA-34-220T, PA-44-180, and PA-44-180T
Biweekly 2005-17			
2004-14-02	COR	Rolls-Royce Corporation	Engine: 250-C28, -C28B, and -C28C turboshaft
2005-16-04		Bell Helicopter Textron	Rotorcraft: 206A and 206B
2005-16-05		Robinson Helicopter Company	Rotorcraft: R-22 Series
2005-17-01		Pilatus Aircraft Ltd.	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, PC-6/C1-H2
Biweekly 2005-18			
95-19-15 R1	R 95-19-15	Tiger Aircraft LLC	AA-5, AA-5A, AA-5B, AG-5B
2005-13-09	COR	GROB-WERKE	G120A
2005-17-06		Turbomeca	Engine: Artouste III B, B1, and D turboshaft
2005-17-11		Cessna	525, 525A, and 525B
2005-17-15		Turbomeca S.A.	Engine: Arrius 2F turboshaft
2005-17-17		Turbomeca S.A.	Engine: Arrius 2F turboshaft
2005-17-19		Cirrus Design Corporation	SR20 and SR22
Biweekly 2005-19			
2005-18-12		Hartzell Propeller Inc. Propellers	Propeller: HC-92W, BHC-92W, HC-92Z, BHC-92Z, HC-B3P, HC-B3R, HC-B3W, BHC-B3W, HA-B3Z, HC-B3Z Hub Model Series
2005-18-20		Goodrich De-icing and Specialty Systems	Appliance: P4E1188 series, P4E1601 series, P4E2200 series, P4E2271-10, P4E2575-7, P4E2575-10, P4E2598-10, P5855BSW, P6199SW, P6592SW, P6662SW, and P6975-11
2005-18-21		Raytheon Aircraft Company	1900, 1900C, 1900C (C-12J), 1900D
2005-18-22		Raytheon Aircraft Company	390
2005-19-07		Raytheon Aircraft Company	390
2005-19-10		Turbomeca	Engine: Arrius 2 F turboshaft
2005-19-11		Lycoming Engines	Engine: AEIO-360, IO-360, O-360, LIO-360, LO-360, AEIO-540, IO-540, O-540, and TIO-540 series
Biweekly 2005-20			
2005-19-17		PZL-Swidnik S.A.	Gliders: PW-5 "Smyk", PW-6U
2005-19-20		The New Piper Aircraft, Inc.	PA-28-160, PA-28-161, PA-28-180, and PA-28-181
2005-20-04		Teledyne Continental Motors	Engine: GTSIO-520 series reciprocating

BW 2005-20

**PZL-SWIDNIK S.A.
AIRWORTHINESS DIRECTIVE
GLIDER
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

2005-19-17 PZL-Swidnik S.A.: Amendment 39-14282; Docket No. FAA-2005-20802; Directorate Identifier 2005-CE-18-AD.

When Does This AD Become Effective?

(a) This AD becomes effective on October 31, 2005.

What Other ADs Are Affected by This Action?

(b) None.

What Gliders Are Affected by This AD?

(c) This AD affects the following glider models and serial numbers that are certificated in any category:

Model	Serial Nos.
PW-5 "Smyk"	17.12.022 through 17.12.024.
PW-6U	78.02.07 through 78.02.10 and 78.03.01 through 78.03.03.

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of mandatory continuing airworthiness information (MCAI) issued by the airworthiness authority for Poland. The actions specified in this AD are intended to detect and replace any push-rod end that does not meet the minimum dimension, which could result in failure of the control system. This failure could lead to loss of control of the glider.

What Must I Do To Address This Problem?

(e) To address this problem, you must do the following:

Actions	Compliance	Procedures
<p>(1) Inspect for the minimum dimension (0.165 inches (in.) or 4.2 millimeter (mm)):</p> <p>(i) Any left side aileron, right side aileron, and airbrake push-rod end (part number (P/N) 511.00.20.00) for the Model PW-5 "Smyk" glider; and</p> <p>(ii) Any aileron, airbake, and elevator control push-rod end (P/N 78.21.215.00.00) for the Model PW-6U glider.</p>	<p>Within the next 25 hours time-in-service (TIS) after October 31, 2005 (the effective date of this AD), unless already done.</p>	<p><i>For the Model PW-5 "Smyk" glider:</i> Follow Communication Equipment Factory PZL-Swidnik Mandatory Bulletin Number BO-17-03-18, dated December 22, 2003. <i>For the Model PW-6U glider:</i> Follow Communication Equipment PZL-Swidnik Mandatory Bulletin Number BO-78-03-06, dated December 22, 2003.</p>
<p>(2) Replace any push-rod end (P/N 511.00.20.00 or 78.21.215.00.00) that you find as a result of the inspection required by paragraph (e)(1) of this AD that has a push-rod end that is less than the minimum dimension (0.165 in. or 4.2 mm).</p>	<p>Before further flight after the the inspection required by paragraph (e)(1) of this AD.</p>	<p><i>For the Model PW-5 "Smyk" glider:</i> Follow Communication Equipment PZL-Swidnik Mandatory Bulletin Number BO-17-03-18, dated December 22, 2003. <i>For the Model PW-6U glider:</i> Follow Communication Equipment Factory PZL-Swidnik Mandatory Bulletin Number BO-17-03-18, dated December 22, 2003.</p>
<p>(3) Do not install any push-rod end (P/N 511.00.20.00 or 78.21.215.00.00) with a dimension that is less than the minimum dimension (0.165 in. or 4.2 mm):</p> <p>(i) Any push-rod end for the left side aileron, right side aileron, or airbrake of the Model PW-5 Swidnik glider; and</p> <p>(ii) Any push-rod end for the ailerons, airbake, or elevator control of the Model PW-6U glider.</p>	<p>As of October 31, 200 (the effective date of this AD).</p>	<p><i>For the Model PW-5 "Smyk" glider:</i> Follow Communicaton Equipment Factory PZL-Swidnik Mandatory Bulletin Number BO-17-03-18, dated December 22, 2003. <i>For the Model PW-6U glider:</i> Follow Communication Equipment Factory PZL-Swidnik Mandatory Bulletin Number BO-78-03-06, dated December 22, 2003.</p>

May I Request an Alternative Method of Compliance?

(f) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19. Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Standards Office, Small Airplane Directorate, FAA. For information on any already approved alternative methods of compliance, contact Greg Davison, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4130; facsimile: (816) 329-4090.

Is There Other Information That Relates to This Subject?

(g) Polish AD Numbers SP-0085-2003-A, dated December 22, 2003, and SP-0086-2003, dated December 22, 2003, also address the subject of this AD.

Does This AD Incorporate Any Material by Reference?

(h) You must do the actions required by this AD following the instructions in Communication Equipment Factory PZL-Swidnik Mandatory Bulletin Number BO-17-03-18, dated December 22, 2003, and Communication Equipment Factory PZL-Swidnik Mandatory Bulletin Number BO-78-03-06, dated December 22, 2003. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get a copy of this service information, contact PZL-Swidnik S.A., Polish Aviation Works, Al. Lotnikow Polskich 1, 21-045 Swidnik, Poland; telephone: 48 81 468 09 01 751 20 71; facsimile: 48 81 468 09 19 751 21 73. To review copies of this service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html or call (202) 741-6030. To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-001 or on the Internet at <http://dms.dot.gov>. The docket number is FAA-2005-20802; Directorate Identifier 2005-CE-18-AD.

Issued in Kansas City, Missouri, on September 12, 2005.

James E. Jackson,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
[FR Doc. 05-18526 Filed 9-20-05; 8:45 am]
BILLING CODE 4910-13-P

BW 2005-20

**THE NEW PIPER AIRCRAFT, INC.
AIRWORTHINESS DIRECTIVE
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

2005-19-20 The New Piper Aircraft, Inc.: Amendment 39-14285; Docket No. FAA-2005-21174; Directorate Identifier 2005-CE-23-AD.

When Does This AD Become Effective?

- (a) This AD becomes effective on November 4, 2005.

What Other ADs Are Affected by This Action?

- (b) None.

What Airplanes Are Affected by This AD?

(c) This AD affects Models PA-28-160, PA-28-161, PA-28-180, and PA-28-181 airplanes, serial numbers 28-671 through 28-5859, 28-7105001 through 28-7505261, 28-7690001 through 28-8590001, and all serial numbers thereafter, that:

- (1) Are certificated in any category;
- (2) Incorporate Peterson Aviation, Inc. Supplemental Type Certificate (STC) SA2660CE installed between April 20, 1998 and April 1, 2005; and
- (3) Incorporate Peterson Aviation, Inc. Service Bulletin SB98-1.

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of reports of fuel leaks during the post STC installation tests. The actions specified in this AD are intended to prevent fuel fittings used in STC SA2660CE from leaking fuel in the engine compartment, which could result in an engine fire. This condition could lead to loss of control of the airplane.

What Must I Do To Address This Problem?

- (e) To address this problem, you must do the following:

Actions	Compliance	Procedures
Replace the two AN894-6-4 bushing screw thread expanders on the two AN826-6 tees (one on the gascolator and the other one attached to a bushing (AN912-2J) attached to the inlet on the top of the top fuel pump) with NAS1564-6-4J reducers and AN818-6 nuts.	At the next 100-hour or annual inspection that occurs following 30 days after November 4, 2005 (the effective date of this AD), whichever occurs first.	Follow Petersen Aviation, Inc. Service Bulletin PA-28-160, -161, -180, -181 Bulletin No. SB 05-2, dated April 12, 2005.

May I Request an Alternative Method of Compliance?

(f) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19. Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Wichita Aircraft Certification Office (ACO), FAA. For information on any already approved alternative methods of compliance, contact James P. Galstad, Aerospace Engineer, FAA Wichita ACO, 1801 Airport Road, Mid-Continent Airport, Wichita, Kansas 67209; telephone:(316) 946-4135; facsimile: (316) 946-4107.

Does This AD Incorporate Any Material by Reference?

(g) You must do the actions required by this AD following the instructions in Petersen Aviation, Inc. Service Bulletin PA-28-160, -161, -180, -181 Bulletin No. SB 05-2, dated April 12, 2005. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get a copy of this service information, contact Petersen Aviation, Inc., 984 K Road, Minden, Nebraska 68959; telephone: (308) 832-2050; facsimile: (308) 832-2311. To review copies of this service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html or call (202) 741-6030. To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-001 or on the Internet at <http://dms.dot.gov>. The docket number is FAA-2005-21174; Directorate Identifier 2005-CE-23-AD.

Issued in Kansas City, Missouri, on September 13, 2005.

James E. Jackson,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
[FR Doc. 05-18525 Filed 9-20-05; 8:45 am]
BILLING CODE 4910-13-P

BW 2005-20

**TELEDYNE CONTINENTAL MOTORS
AIRWORTHINESS DIRECTIVE
ENGINE
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

2005-20-04 Teledyne Continental Motors: Amendment 39-14297. Docket No. FAA-2005-20850; Directorate Identifier 2005-NE-05-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective November 1, 2005.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Teledyne Continental Motors (TCM) GTSIO-520 series reciprocating engines. These engines are installed on, but not limited to, Twin Commander (formerly Aero Commander) model 685, Cessna model 404, 411 series, and 421 series, British Aerospace, Aircraft Group, Scottish Division model B.206 series 2 and Aeronautica Macchi, model AM-3 airplanes.

Unsafe Condition

(d) This AD results from six service difficulty reports and one fatal accident report received related to failed starter adapter assemblies. We are issuing this AD to prevent failure of the starter adapter assembly and or crankshaft gear, resulting in failure of the engine and possible forced landing.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

Starter Adapter Shaft Gear Needle Bearing Replacement

(f) If, during an inspection required by paragraph (g), (h), (i), or (j) of this AD, you find needle bearing, part number (P/N) 537721, installed in the crankcase, replace it with bushing, P/N 654472, before reassembling components. Use the bushing installation procedure specified in Part 4 of TCM Mandatory Service Bulletin (MSB) No. MSB94-4F, dated July 5, 2005.

Unscheduled Inspections for Rough-Running Engines

(g) For any engine that experiences rough running conditions regardless of time-in-service (TIS), do the following:

(1) Before further flight, perform the inspection procedures specified in Part 1 and Part 3 of TCM MSB No. MSB94-4F, dated July 5, 2005, and replace components as necessary.

(2) An engine is considered rough-running if there is a sudden increase in the perceived vibration levels that cannot be cleared by adjustment of the engine controls; particularly the fuel mixture setting. Information on a rough running engines can be found in the aircraft manufacturer's Airplane Flight Manual, Pilot's Operating Handbook, or Aircraft Owners Manual.

100-Hour and Annual Inspections

(h) For any engine, at the next 100-hour or annual inspection, whichever occurs first, do the following:

(1) Perform the inspection procedures specified in Part 2 of TCM MSB No. MSB94-4F, dated July 5, 2005, and replace components as necessary.

(2) Thereafter, at each 100-hour inspection, (plus or minus 10 hours), and annual inspection, perform repetitive inspections and component replacements as specified in paragraph (h)(1) of this AD.

Starter Adapters With 400 Hours or More Time-In-Service (TIS) or Unknown TIS

(i) For any starter adapter with 400 hours or more TIS or unknown TIS on the effective date of this AD, do the following:

(1) Within 25 hours TIS, perform the inspection procedures specified in Part 3 of TCM MSB No. MSB94-4F, dated July 5, 2005, and replace components as necessary.

(2) Thereafter, at 400-hour TIS intervals, (plus or minus 10 hours), perform repetitive inspections and component replacements specified in Part 3 of TCM MSB No. MSB94-4F, dated July 5, 2005, and replace components as necessary.

Starter Adapters With Fewer Than 400 Hours TIS

(j) For any starter adapter with fewer than 400 hours TIS on the effective date of this AD, do the following:

(1) Upon accumulation of 400 hours TIS, (plus or minus 10 hours), perform the inspection procedures specified in Part 3 of TCM MSB No. MSB94-4F, dated July 5, 2005, and replace components as necessary.

(2) Thereafter, at 400-hour TIS intervals, (plus or minus 10 hours), perform repetitive inspections and component replacements, as specified in Part 3 of TCM MSB No. MSB94-4F, dated July 5, 2005, and replace components as necessary.

Installation of TCM Service Kit, EQ6642R

(k) At the next engine overhaul or starter adapter replacement after the effective date of this AD, whichever occurs first, do the following:

(1) Install TCM service kit, P/N EQ6642R. Use the service kit installation procedures specified in Part 5 of TCM MSB No. MSB94-4F, dated July 5, 2005.

(2) Continue performing the inspections and component replacements specified in paragraphs (g), (h), and (i) of this AD.

Prohibition of Special Flight Permits for Rough-Running Engines

(l) Special flight permits are prohibited for rough-running engines described in paragraph (g)(2) of this AD.

Alternative Methods of Compliance

(m) The Manager, Atlanta Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Related Information

(n) European Aviation Safety Agency AD 2004-0006, dated December 15, 2004, also addresses the subject of this AD.

Material Incorporated by Reference

(o) You must use Teledyne Continental Motors Mandatory Service Bulletin No. MSB94-4F, dated July 5, 2005, to perform the actions required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Teledyne Continental Motors, Inc., PO Box 90, Mobile, AL 36601; telephone (251) 438-3411 for a copy of this service information. For the Teledyne Continental Motors Web site: Go to <http://www.TCMLINK.com>. You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the Internet at <http://dms.dot.gov>, or 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 Burlington, Massachusetts, on September 20, 2005.

Francis A. Favara,

Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.

[FR Doc. 05-19149 Filed 9-26-05; 8:45 am]

BILLING CODE 4910-13-P