

(2) Before using any AMOC approved in accordance with § 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

**Related Information**

(i) French airworthiness directive F-2005-165, dated September 28, 2005, also addresses the subject of this AD.

**Material Incorporated by Reference**

(j) You must use the documents listed in Table 2 of this AD to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of these documents in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Airbus, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., Room PL-401, Nassif Building, Washington, DC; 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 the NARA, call (202) 741-6030, or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

TABLE 2.—MATERIAL INCORPORATED BY REFERENCE

Airbus Temporary Revision to the A318/A319/A320/A321 Airplane Flight Manual	Date
4.02.00/28 .....	February 21, 2005.
4.02.00/29 .....	February 22, 2005.
4.02.00/30 .....	February 23, 2005.

Issued in Renton, Washington, on December 14, 2005.

**Ali Bahrami,**

Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-24344 Filed 12-23-05; 8:45 am]

BILLING CODE 4910-13-P

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

[Docket No. FAA-2005-23072; Directorate Identifier 2005-NE-38-AD; Amendment 39-14430; AD 2005-26-09]

RIN 2120-AA64

**Airworthiness Directives; Pratt & Whitney JT9D-7R4 Turbofan Engines**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Pratt & Whitney (PW) JT9D-7R4 turbofan engines. This AD requires inspection of the blade root thickness of 1st stage fan blades identified by part number (P/N) and serial number (SN) in this AD, by a repair station approved by PW to perform the inspection. This AD results from a report that a repair station created their own repair and performed it on 520 1st stage fan blades, without approval from PW. We are issuing this AD to prevent 1st stage fan blade fracture and uncontained engine failure, resulting in possible damage to the airplane.

**DATES:** This AD becomes effective January 11, 2006.

We must receive any comments on this AD by February 27, 2006.

**ADDRESSES:** Use one of the following addresses to comment on this AD:

- *DOT Docket Web site:* Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.
- *Government-wide rulemaking Web site:* Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.
- *Mail:* Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

- *Fax:* (202) 493-2251.
- *Hand Delivery:* Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

**FOR FURTHER INFORMATION CONTACT:** Kevin Donovan, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803-5299; telephone (781) 238-7743, fax (781) 238-7199.

**SUPPLEMENTARY INFORMATION:** In May 2005, we received a report from Airfoil Technologies International (ATI), of the United Kingdom, that their repair station created their own repair and performed it on 520 1st stage fan blades, without approval from PW. The repairs were made to a critical area of the fan blade root. PW requires source demonstration by each repair station before they approve the repair station to perform blade repairs, including the repair that should have been performed to these 1st stage fan blades, known as Repair-23. This requirement exists due to PW's concern with proper blending

in a critical area of the blade root. This condition, if not corrected, could result in 1st stage fan blade fracture and uncontained engine failure, resulting in possible damage to the airplane.

**FAA's Determination and Requirements of this AD**

The unsafe condition described previously is likely to exist or develop on other PW JT9D-7R4 turbofan engines of the same type design. For that reason, we are issuing this AD to prevent 1st stage fan blade fracture and uncontained engine failure, resulting in possible damage to the airplane. This AD requires, before installing the 1st stage fan blades that are listed by P/N and SN in Table 1 of this AD, or if already installed, at the next 1st stage fan blade exposure:

- Checking the 1st stage fan blade for a circled, letter I, on the approved marking area of the outboard side of the blade platform. If the blade has this marking, no further action is required.
- Removing 1st stage fan blades without a circled, letter I, on the approved marking area of the outboard side of the blade platform if installed; and
- Sending 1st stage fan blades to a source-substantiation-approved repair station, approved by PW, for inspection of the blade root thickness; and
- Returning to service 1st stage fan blades that pass the inspection, after properly marking the blade.

**FAA's Determination of the Effective Date**

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

**Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under **ADDRESSES**. Include "AD Docket No. FAA-2005-23072; Directorate Identifier 2005-NE-38-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to <http://>

*dms.dot.gov*, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the DMS Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78) or you may visit <http://dms.dot.gov>.

**Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility Docket Office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Office (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in **ADDRESSES**. Comments will be available in the AD docket shortly after the DMS receives them.

**Authority for This Rulemaking**

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in subtitle VII, part A, subpart III, section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

**Regulatory Findings**

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the regulation:

- 1. Is not a "significant regulatory action" under Executive Order 12866;
  - 2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
  - 3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.
- We prepared a summary of the costs to comply with this AD and placed it in the AD Docket. You may get a copy of this summary at the address listed under **ADDRESSES**.

**List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Safety.

**Adoption of the Amendment**

■ Under the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

**PART 39—AIRWORTHINESS DIRECTIVES**

- 1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

**§ 39.13 [Amended]**

- 2. The FAA amends § 39.13 by adding the following new airworthiness directive:

**2005-26-09 Pratt & Whitney:** Amendment 39-14430. Docket No. FAA-2005-23072; Directorate Identifier 2005-NE-38-AD.

**Effective Date**

(a) This airworthiness directive (AD) becomes effective January 11, 2006.

**Affected ADs**

(b) None.

**Applicability**

(c) This AD applies to Pratt & Whitney (PW) JT9D-7R4 turbofan engines. These engines are installed on, but not limited to, Airbus A300 and A310, and Boeing 747 and 767 airplanes.

**Unsafe Condition**

(d) This AD results from a report that a repair station created their own repair and performed it on 520 1st stage fan blades, without approval from PW. We are issuing this AD to prevent 1st stage fan blade fracture and uncontained engine failure, resulting in possible damage to the airplane.

**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.

(f) Before installing the 1st stage fan blades that are listed by part number and serial number in Table 1 of this AD, or if already installed, at the next 1st stage fan blade exposure, do the following:

**TABLE 1.—AFFECTED 1ST STAGE FAN BLADES**

Part number	Serial no.
5001341-022	JW2804
5001341-022	JW0354
5001341-022	ND5746
5001341-022	ND5770
5001341-022	JW3992
5001341-022	ND8615
5001341-022	JW0442
5001341-022	JW2317
5001341-022	ND8631
5001341-022	ND8635
5001341-022	JW4624
5001341-022	NE0394
5001341-022	NE0153
5001341-022	NN8054
5001341-022	JW4693
5001341-022	ND7304
5001341-022	MG6108
5001341-022	MG5862
5001341-022	MG5619
5001341-022	NE0308
5001341-022	NE0200
5001341-022	MG6797
5001341-022	JW0230
5001341-022	ND5652
5001341-022	ND5775
5001341-022	JW0251
5001341-022	ND5719
5001341-022	JW0248
5001341-022	ND5785
5001341-022	ND5676
5001341-022	ND5661
5001341-022	JW0265
5001341-022	ND5699
5001341-022	ND5767
5001341-022	JW0259
5001341-022	ND5680
5001341-022	ND5749
5001341-022	JW0235
5001341-022	ND5776
5001341-022	ND8580
5001341-022	MG6039
5001341-022	ND9127
5001341-022	JW4287
5001341-022	JW0262
5001341-022	JW0445
5001341-022	JW4665
5001341-022	MG5901
5001341-022	NE0303
5001341-022	ND8703
5001341-022	JW4574
5001341-022	JW4286
5001341-022	JW4491
5001341-022	JW4630
5001341-022	JW4391
5001341-022	MG6550
5001341-022	MG6776
5001341-022	JW4586
5001341-022	JW0352
5001341-022	JW4261
5001341-022	MG6135
5001341-022	JW4685
5001341-022	MG6772
5001341-022	MG6793
5001341-022	MG7111
5001341-022	ND8618

TABLE 1.—AFFECTED 1ST STAGE FAN  
BLADES—Continued

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BLADES—Continued

TABLE 1.—AFFECTED 1ST STAGE FAN  
BLADES—Continued

Part number	Serial no.	Part number	Serial no.	Part number	Serial no.
5001341-022	JW0644	831021-003	NN8732	831021-003	ND8477
5001341-022	JW4631	831021-003	ND8536	831021-003	ND7492
5001341-022	JW4651	831021-003	ND6946	831021-003	ND8776
5001341-022	JW0234	831021-003	ND6723	831021-003	ND6524
5001341-022	JW4646	831021-003	ND9294	831021-003	ND6704
804121	NN9016	831021-003	ND9290	831021-003	ND8911
804121	VJ3393	831021-003	ND6013	831021-003	ND8789
804121	PX3694	831021-003	ND8937	831021-003	ND8798
804121	RK9168	831021-003	NS7160	831021-003	ND6407
804121	PX5023	831021-003	NS6435	831021-003	ND7668
804121	VJ3324	831021-003	NS6591	831021-003	ND9179
804121	VJ3504	831021-003	ND9558	831021-003	NE0421
804121	NN9115	831021-003	NS8479	831021-003	ND6513
804121	NN8936	831021-003	NS9382	831021-003	ND6744
804121	PX3816	831021-003	ND8965	831021-003	ND7654
804121	VJ3412	831021-003	ND9837	831021-003	ND7870
804121	RK9163	831021-003	ND5959	831021-003	ND9759
804121	VJ3447	831021-003	NS6491	831021-003	ND6561
804121	RK9230	831021-003	NS9072	831021-003	ND5826
804121	RK9109	831021-003	ND9625	831021-003	ND6031
804121	PX4627	831021-003	ND6714	831021-003	ND8714
804121	RK8990	831021-003	ND6820	831021-003	ND8872
804121	SP9459	831021-003	ND8972	831021-003	ND6678
804121	RK8656	831021-003	NE0286	831021-003	ND6629
804121	NN8933	831021-003	NE0347	831021-003	ND8995
804121	VJ3444	831021-003	ND8010	831021-003	NE0302
804121	ND5864	831021-003	ND8956	831021-003	ND6405
804121	NN9020	831021-003	ND9535	831021-003	NS8300
804121	RK8905	831021-003	ND9831	831021-003	NS8769
804121	SR1733	831021-003	NE0227	831021-003	NS7147
804121	NN9047	831021-003	ND8283	831021-003	ND6649
804121	PX3692	831021-003	ND9730	831021-003	ND7766
804121	PX3786	831021-003	NN7656	831021-003	NS7864
804121	NN9025	831021-003	NS7775	831021-003	NS8734
804121	NN9007	831021-003	ND9815	831021-003	ND6677
804121	RK9100	831021-003	ND6135	831021-003	NS7911
804121	VJ3399	831021-003	NS8491	831021-003	ND8205
804121	PX4970	831021-003	NS6395	831021-003	ND8804
804121	PX5013	831021-003	NS8584	831021-003	ND6639
804121	RK8904	831021-003	NN7272	831021-003	ND8994
804121	NN8986	831021-003	MG7159	831021-003	ND7275
804121	NN8829	831021-003	NS6592	831021-003	ND9195
804121	VJ3459	831021-003	ND7862	831021-003	ND6178
804121	RK9143	831021-003	ND6684	831021-003	ND8639
804121	VJ3414	831021-003	NN7744	831021-003	ND9760
804121	NN9028	831021-003	ND7480	831021-003	ND9108X
804121	SP1557	831021-003	ND7873	831021-003	ND6427
804121	PX5003	831021-003	ND6827	831021-003	ND6590
804121	PX5042	831021-003	ND6576	831021-003	NS6551
804121	VJ3475	831021-003	ND9261	831021-003	JW1158
804121	ND7330	831021-003	NS8686	831021-003	ND6412
804121	PX3714	831021-003	ND9052	831021-003	ND7922
831021-003	NS8913	831021-003	ND6897	831021-003	NS8678
831021-003	ND6512	831021-003	ND6565	831021-003	ND8930
831021-003	ND6941	831021-003	NN8966	831021-003	ND6596
831021-003	ND9576	831021-003	PX3707	831021-003	ND9570
831021-003	NS7555	831021-003	NS7031	831021-003	NN9027
831021-003	NS8286	831021-003	ND6584	831021-003	ND6446
831021-003	NS7447	831021-003	ND9883	831021-003	NE0275
831021-003	ND6488	831021-003	NS6535	831021-003	ND9917
831021-003	ND8296	831021-003	ND7852	831021-003	NS7919
831021-003	ND6956	831021-003	ND9662	831021-003	NS7907
831021-003	ND7879	831021-003	ND7871	831021-003	ND6583
831021-003	ND6509	831021-003	JW0106	831021-003	NN7420
831021-003	ND9814	831021-003	ND8305	831021-003	ND7746
831021-003	NN7331	831021-003	NS6409	831021-003	ND8187
831021-003	ND6991	831021-003	NE0442	831021-003	NN8999
831021-003	ND6894	831021-003	ND9095	831021-003	ND6043
831021-003	NS6413	831021-003	ND9302	831021-003	ND7880
831021-003	ND7344	831021-003	ND9023	831021-003	NN7175
831021-003	ND6947	831021-003	ND8009	831021-003	ND9816

TABLE 1.—AFFECTED 1ST STAGE FAN  
BLADES—Continued

Part number	Serial no.
831021-003	ND8174
831021-003	ND6045
831021-003	NS7562
831021-003	JW0075
831021-003	ND6848
831021-003	ND8531
831021-003	ND6311
831021-003	ND8144
831021-003	ND5798
831021-003	ND8113
831021-003	ND9642
831021-003	ND7436
831021-003	ND9054
831021-003	ND9683
831021-003	ND5991
831021-003	ND6026
831021-003	ND6616
831021-003	ND6530
831021-003	NE0374
831021-003	ND6364
831021-003	ND7718
831021-003	ND6473
831021-003	ND6436
831021-003	ND6887
831021-003	ND6518
831021-003	ND6479
831021-003	NS6330
831021-003	ND7264
831021-003	ND8151
831021-003	ND6562
831021-003	NS8776
831021-003	ND6519
831021-003	ND7659
831021-003	NS9049
831021-003	NS6861
831021-003	ND9571
831021-003	ND9346
831021-003	ND6501
831021-003	NS8505
831021-003	ND9338
831021-003	ND9775
831021-003	ND6485
831021-003	ND7165
831021-003	ND9371
831021-003	ND9537
831021-003	NS7889
831021-003	ND7877
831021-003	ND8670
831021-003	ND9032
831021-003	ND8781
831021-003	ND8604
831021-003	ND9329
831021-003	ND9110
831021-003	ND5997
831021-003	ND6027
831021-003	ND9589
831021-003	ND6575
831021-003	ND6592
831021-003	ND6463
831021-003	NS8583
831021-003	NS8590
831021-003	NS8567
831021-003	NS6795
831021-003	NS7110
831021-003	NS6587
831021-003	NS6404
831021-003	ND6486
5001341-022	JW0942
5001341-022	ND9231
5001341-022	JW4812
5001341-022	ND6555

TABLE 1.—AFFECTED 1ST STAGE FAN  
BLADES—Continued

Part number	Serial no.
5001341-022	M1375
5001341-022	MG6627
5001341-022	MG6794
5001341-022	ND9399
5001341-022	NE0084
5001341-022	MG6252
5001341-022	ND7422
5001341-022	ND7043
5001341-022	MG5722
5001341-022	MG5918
5001341-022	ND6984
5001341-022	M0839
5001341-022	M0922
5001341-022	M0938
5001341-022	M1117
5001341-022	M0307
5001341-022	JW3871
5001341-022	M1125
5001341-022	M1149
5001341-022	JW2681
5001341-022	M0270
5001341-022	M1120
5001341-022	M0205
5001341-022	AE9352
5001341-022	JW3492
5001341-022	ND6148
5001341-022	ND8907
5001341-022	M1235
5001341-022	MG5585
5001341-022	ND8436
5001341-022	MG5696
5001341-022	ND8704
5001341-022	JW2284
5001341-023	JW2313
5001341-024	JW2498
5001341-025	JW2541
5001341-026	JW2560
5001341-027	JW2589
5001341-028	JW2639
5001341-029	JW2760
5001341-030	JW2792
5001341-031	M0579
5001341-032	MG2825
5001341-033	MG5477
5001341-034	ND5917
5001341-022	JW1976
5001341-022	JW2653
5001341-022	JW2608
5001341-022	JW2727
5001341-022	JW2764
5001341-022	JW2265
5001341-022	JW2474
5001341-022	JW2396
5001341-022	JW3554
5001341-022	JW2667
5001341-022	MG2302
5001341-022	MG3972
5001341-022	JW3930
5001341-022	ND6749
5001341-022	M1172
5001341-022	JW2104
5001341-022	JW2519
5001341-022	JW2640
5001341-022	JW2517
5001341-022	JW2663
5001341-022	JW2823
5001341-022	M0536
5001341-022	JW2725
5001341-022	MG5917
5001341-022	JW0681
5001341-022	JW0711

TABLE 1.—AFFECTED 1ST STAGE FAN  
BLADES—Continued

Part number	Serial no.
5001341-022	JW0740
5001341-022	JW0807
5001341-022	JW1089
5001341-022	JW1362
5001341-022	JW2065
5001341-022	MG2434
5001341-022	MG2846
5001341-022	JW0806
804121	NN9854
804121	NN9024
804121	NN9032
804121	PX5029
804121	NN9050
804121	NS8242
804121	NS8260
804121	PX4273
804121	PX4378
804121	RL0857
804121	RX8763
804121	NS8331
804121	NN9824
804121	MG6979
804121	MG7023
804121	MG7055
804121	RK8914
804121	RL0023
804121	PX4328
804121	RK9008
804121	TG1506
804121	KK8226
804121	MG2604
804121	NS6691
804121	RK8968
804121	NN9917
804121	RK7824
804121	M1343
804121	NS6559
804121	NS7767
804121	NE0363
804121	PX3771
804121	NN9972
804121	RL0460
804121	RK8310
804121	SR2115
804121	TG2826
804121	PX5018
804121	PX5002
831021-003	ND7627
831021-003	ND6890
831021-003	ND7461
831021-003	ND9616
831021-003	NE0413
831021-003	NS8825
831021-003	NS6350
831021-003	NS7168
831021-003	NS7705
831021-003	NS7848
831021-003	ND9128
831021-003	ND9541
831021-003	ND9671
831021-003	ND9684
831021-003	NE0277
831021-003	NE0384
831021-003	NE0396
831021-003	ND6421
831021-003	ND6599
831021-003	ND6614
831021-003	ND7847
831021-003	ND8346
831021-003	ND8853
831021-003	ND8915

TABLE 1.—AFFECTED 1ST STAGE FAN BLADES—Continued

Part number	Serial no.
831021-003	NS8719
831021-003	NS8838
831021-003	NT0169
831021-003	NS9584
831021-003	ND6445
831021-003	ND6834
831021-003	ND7467
831021-003	ND8887
831021-003	ND6520
831021-003	NS8611
831021-003	NS7640
831021-003	NN7037
831021-003	NN7590
831021-003	NN8120
831021-003	NN8573
831021-003	NN9719
831021-003	NS8784
831021-003	TB6B367
831021-003	NN9557
831021-003	NN9710
831021-003	NS8374
831021-003	NS8770
831021-003	NS9022
831021-003	NS8416
831021-003	NS6474
831021-003	ND8912
831021-003	NT0108
831021-003	NS8836
831021-003	NN8310

(1) Check the 1st stage fan blade for a circled, letter I, on the approved marking area of the outboard side of the blade platform. If the blade has this marking, no further action is required.

(2) Remove 1st stage fan blades without a circled, letter I, on the approved marking area of the outboard side of the blade platform, if installed.

(3) Send 1st stage fan blades to a source-substantiation-approved repair station, approved by PW, for inspection of the blade root thickness. You can find information on inspecting the blade root thickness in Engine Manual Section 72-31-02, Inspect-01, and Repair-23.

(g) For 1st stage fan blades that pass the inspection referenced in paragraph (f) of this AD:

(1) Vibropeen the letter I and a circle around that letter, on the approved marking area of the outboard side of the blade platform. You can find information on approved blade marking in the JT9D-7R4 Engine Manual, Section 72-31-02, Typical Repair-13, Mark Repair Codes.

(2) Return the 1st stage fan blades to service.

#### Alternative Methods of Compliance

(h) The Manager, Engine 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

(i) None.

Issued in Burlington, Massachusetts, on December 16, 2005.

**Peter A. White,**

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

[FR Doc. 05-24448 Filed 12-23-05; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

**[Docket No. FAA-2005-22358; Directorate Identifier 2005-NE-20-AD; Amendment 39-14431; AD 2005-26-10]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Engine Components Inc. (ECi) Reciprocating Engine Cylinder Assemblies**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Lycoming Engines (formerly Textron Lycoming) models 320, 360, and 540 series, "Parallel Valve" reciprocating engines, with certain Engine Components Inc. (ECi) cylinder assemblies, part number (P/N) AEL65102 series "Classic Cast", installed. This AD requires replacing these ECi cylinder assemblies. This AD results from reports of about 30 failures of the subject cylinder assemblies marketed by ECi. We are issuing this AD to prevent loss of engine power due to cracks in the cylinder assemblies and possible engine failure caused by separation of a cylinder head.

**DATES:** This AD becomes effective January 31, 2006.

**ADDRESSES:** You may examine the AD docket on the Internet at <http://dms.dot.gov> or in Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC.

#### **FOR FURTHER INFORMATION CONTACT:**

Peter Hakala, Aerospace Engineer, Special Certification Office, FAA, Rotorcraft Directorate, 2601 Meacham Blvd., Fort Worth, TX 76193; telephone (817) 222-5145; fax (817) 222-5785.

**SUPPLEMENTARY INFORMATION:** The FAA proposed to amend 14 CFR part 39 with a proposed AD. The proposed AD applies to certain ECi cylinder assemblies, P/N AEL65102 series, with casting P/N AEL65099, installed on Lycoming Engines models 320, 360, and 540 series, parallel valve reciprocating engines. Parallel valve Lycoming

reciprocating engines are identified by the intake and exhaust valves in a parallel configuration. We published the proposed AD in the **Federal Register** on September 9, 2005 (70 FR 53586). That action proposed to require replacing these ECi cylinder assemblies.

#### **Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility Docket Office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Office (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in **ADDRESSES**. Comments will be available in the AD docket shortly after the DMS receives them.

#### **Comments**

We provided the public the opportunity to participate in the development of this AD. We have considered the comments received.

#### **Request To Extend the Proposed AD Comment Period**

One commenter, a law office representing ECi, requests we extend the proposed AD comment period an additional 90 days. We do not agree. We have worked with ECi for the past four years regarding the safety and airworthiness issues with the affected ECi cylinder assemblies. ECi is very familiar with the problems with these cylinder assemblies. ECi published Service Bulletin No. 05-08, dated September 1, 2005, for the identification and warranty of the affected cylinder assemblies. Evidence of ECi's awareness of the problem is confirmed by the extensive correspondence with the FAA regarding the service difficulties with P/N AEL65102 "Classic Cast" cylinder assemblies. For these reasons, and because of the minimal amount of comments received (two) on the proposed AD, we find it unnecessary to extend the proposed AD comment period.

#### **Request To Allow Cylinder Assembly Removal at Normal Operating Time-Between-Overhaul**

One commenter, ECi, requests that we allow affected cylinder assemblies to be removed at the normal engine operating time-between-overhaul. We do not agree. We have carefully reviewed ECi's request. Both ECi and the FAA participated in the Alloytek Metallurgical Services, Inc. examination and analysis. The examination and