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#### Effective Date

(f) This amendment becomes effective on October 13, 2006.

Issued in Renton, Washington, on August 28, 2006.

**Kalene C. Yanamura,**

*Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.*  
[FR Doc. E6-14690 Filed 9-7-06; 8:45 am]

BILLING CODE 4910-13-P

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2006-25244; Directorate Identifier 2006-NE-25-AD; Amendment 39-14754; AD 2006-18-15]

RIN 2120-AA64

#### Airworthiness Directives; Hartzell Propeller Inc. ( )HC-( )2Y( )-( ) Series Propellers

**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 Hartzell Propeller Inc. ( )HC-( )2Y( )-( ) series propellers with non-suffix serial number (SN) propeller hubs installed on Lycoming O-, IO-, LO-, and AEIO-360 series reciprocating engines. This AD requires initial and repetitive eddy current inspections (ECI) of the front cylinder half of the propeller hub for cracks and removing cracked hubs from service before further flight. In addition, this AD allows installation of an improved design propeller hub (suffix SN "A" or "B") as terminating action to the repetitive ECI. This AD results from a report of a propeller blade separating from a propeller hub. We are issuing this AD to prevent failure of the propeller hub causing blade separation and subsequent loss of airplane control.

**DATES:** This AD becomes effective September 25, 2006. The Director of the Federal Register approved the incorporation by reference of certain

publications listed in the regulations as of September 25, 2006.

We must receive any comments on this AD by November 7, 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.

Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information identified in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018-4696; telephone (847) 294-7132; fax (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** In April 2006, we received a report of a propeller blade separation on a Hartzell Propeller Inc. two blade, aluminum hub, "compact" ( )HC-( )2Y( )-( ) series propeller. Also, to date, we received seven reports of excessive vibration determined to be caused by cracks in the propeller hub fillet. Those propellers were manufactured before December 1991 (non-suffix SN propeller hubs) and are installed on Lycoming O-, IO-, LO-, and AEIO-360 series reciprocating engines. This condition, if not corrected, could result in blade separation and subsequent loss of airplane control.

#### Relevant Service Information

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Service Bulletin (SB) HC-SB-61-269, dated April 18, 2005. That SB describes procedures for eddy current inspections of propeller hubs on affected propellers. That SB also lists improved design replacement propeller hub part numbers.

#### FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. ( )HC-( )2Y( )-( ) series propellers of the same type design. For that reason, we are issuing this AD to prevent failure of the propeller hub causing blade separation and subsequent loss of airplane control. This AD requires, within 50 operating hours time-in-service (TIS), an initial ECI of the front cylinder half of non-suffix SN propeller hubs for cracks. This AD also requires, within every 100 operating hours TIS or annual inspection, whichever occurs first, repetitive ECIs of the front cylinder half of non-suffix SN propeller hubs for cracks. This AD also requires removing cracked hubs from service before further flight. You must use the service information described previously to perform the actions required by this AD.

#### 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-2006-25244; Directorate Identifier 2006-NE-25-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 have 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, Incorporation by reference, 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:

**2006-18-15 Hartzell Propeller Inc.:**  
Amendment 39-14754. Docket No. FAA-2006-25244; Directorate Identifier 2006-NE-25-AD.

**Effective Date**

(a) This airworthiness directive (AD) becomes effective September 25, 2006.

**Affected ADs**

(b) None.

**Applicability**

(c) This AD applies to Hartzell Propeller Inc. ( )HC-( )2Y( )-( ) series propellers with non-suffix serial number (SN) propeller hubs installed on Lycoming O-, IO-, LO-, and AEIO-360 series reciprocating engines. These propellers and engines could be installed on, but not limited to:

O-360-A1A .....	Piper Aircraft ..... Lake Aircraft ..... Mooney Aircraft ..... Earl Horton ..... Partenavia ..... Siai-Marchetti ..... Procaer ..... S.A.A.B. .... Malmo ..... Aero Boero ..... Beagle ..... DeHavilland ..... Kingsford-Smith .....	Comanche (PA-24). Colonial (C-2, LA -4, 4A, or 4P). Mark "20B" (M-20B). Pawnee (Piper PA-25). Oscar (P-66). (S-205). Picchio (F-15-A). Safir (91-D). Vipan (MF-10B). AB-180. Airedale (A-109). Drover (DHA-3MK3). Bushmaster (J5-6).
O-360-A1AD .....	S.O.C.A.T.A. ....	Tabago TB-10.
O-360-A1D .....	Piper Aircraft ..... Lake Aircraft ..... Doyn Aircraft ..... Mooney Aircraft .....	Comanche (PA-24). Colonial (LA -4, 4A, or 4P). Doyn-Beech (Beech 95). Master "21" (M-20E). Mark "20B", "20D", (M20B, M20C), Mooney Statesman (M-20G).
O-360-A1F6 .....	Cessna Aircraft .....	Cardinal.
O-360-A1F6D .....	Cessna Aircraft .....	Cardinal 177.
O-360-A1G6 .....	Teal III ..... Aero Commander.	TSC (1A3).

O-360-A1G6D	Beech Aircraft	Duchess 76.
O-360-A1H6	Piper Aircraft	Seminole (PA-44).
O-360-A1P	Aviat	Husky.
O-360-A2A	Avion Jodel S.O.C.A.T.A. Partenavia Beagle	D-140-B. Rallye Commodore (MS-893). Oscar (P-66). Husky (D5-180) (J1-U).
O-360-A2D	Piper Aircraft Mooney Aircraft	Comanche (PA-24), Cherokee "C" (PA-28 "180"). Master "21" (M-20D), Mark "21" (M-20E).
O-360-A2F	Dynac Aerospace Corp	Aero Commander Model 100.
O-360-A2G	Beech Aircraft	Sport.
O-360-A3A	C.A.A.R.P.S.A.N. Robin  S.O.C.A.T.A. Norman Aeroplance Co. Nash Aircraft Ltd.	(M-23III). Regent (DR400/180), Remorqueur (DR400/180R), R-3170. Rallye 180GT, Sportavia Sportsman (RS-180). NAC-1 Freelance. Petrel.
O-360-A3AD	S.O.C.A.T.A. Robin	TB-10. Aiglou (R-1180T).
O-360-A4A	Piper Aircraft	Cherokee "D" (PA-28 "180").
O-360-A4D	Varga	Kachina.
O-360-A4G	Beech Aircraft	Musketeer Custom III.
O-360-A4K	Grumman American Beech Aircraft	Tiger. Sundowner 180.
O-360-A4M	Piper Aircraft Valmet	Archer II (PA-28 "18"). PIK-23.
O-360-A4N	Cessna Aircraft	172 (Optional).
O-360-A4P	Penn Yan	Super Cub Conversion.
O-360-A5AD	C. Itoh and Co.	Fuji FA -200.
O-360-B2C	Seabird Aviation	SB7L.
O-360-C1A	Intermountain Mfg. Co.	Call Air (A-6).
O-360-C1E	Bellanca Aircraft	Scout (8GCBC-CS).
O-360-C1F	Maule	Star Rocket MX-7-180.
O-360-C1G	Christen	Husky (A-1).
O-360-C2E	Bellanca Aircraft	Scout (8GCBC FP).
O-360-C4F	Maule	MX-7-180A.
O-360-C4P	Penn Yan	Super Cub Conversion.
O-360-F1A6	Cessna Aircraft	Cutlass RG.
O-360-J2A	Robinson	R22.
IO-360-B1A	Beech Aircraft Doyn Aircraft	Travel-Air (B-95A). Doyn-Piper (PA -23 "200").
IO-360-B1B	Beech Aircraft Doyn Aircraft Fuji	Travel-Air (B-95B). Doyn-Piper (PA -23 "200"). (FA-200).
IO-360-B1D	United Consultants	See-Bee.

IO-360-B1E .....	Piper Aircraft .....	Arrow (PA-28 "180R").
IO-360-B1F .....	Utva .....	75.
IO-360-B2E .....	C.A.A.R.P. ....	C.A.P. (10).
IO-360-B1F6 .....	Great Lakes .....	Trainer.
IO-360-B1G6 .....	American Blimp .....	Spector 42.
IO-360-B2F6 .....	Great Lakes .....	Trainer.
LO-360-A1G6D .....	Beech Aircraft .....	Duchess.
LO-360-A1H6 .....	Piper Aircraft .....	Seminole (PA-44).
IO-360-E1A .....	T.R. Smith Aircraft .....	Aerostar.
IO-360-M1A .....	Diamond Aircraft .....	DA-40.
IO-360-M1B .....	Vans Aircraft .....	RV6, RV7, RV8.
	Lancair .....	360.
AEIO-360-B1F .....	F.F.A. ....	Bravo (200).
	Grob .....	G115/Sport-Acro.
AEIO-360-B1G6 .....	Great Lakes.	
AEIO-360-B2F .....	Mundry .....	CAP-10.
AEIO-360-B4A .....	Pitts .....	S-1S.
AEIO-360-H1A .....	Bellanca Aircraft .....	Super Decathlon (8KCAB-180).
AEIO-360-H1B .....	American Champion .....	Super Decathlon.

(d) The parentheses appearing in the propeller model number indicates the presence or absence of an additional letter(s) that varies the basic propeller model. This AD still applies regardless of whether these letters are present or absent in the propeller model designation.

#### Propellers Not Affected by This AD

(e) Hartzell Propeller Inc. ( )HC-( )2Y( )-( ) series propellers installed on the following aircraft are not affected by this AD, but are affected by AD 2001-23-08 which addresses the same unsafe condition:

(1) Aerobatic aircraft (including certificated aerobatic aircraft, military trainers, or any aircraft routinely exposed to aerobatic usage).

(2) Agricultural aircraft.

(3) Piper PA-32( ) series aircraft with Lycoming 540 series reciprocating engines rated at 300 HP or higher.

(4) Britten Norman BN-2( ) series aircraft with Lycoming 540 series reciprocating engines.

#### Unsafe Condition

(f) This AD results from a report of a propeller blade separating from a propeller hub. We are issuing this AD to prevent failure of the propeller hub causing blade separation and subsequent loss of airplane control. We are issuing this AD to prevent failure of the propeller hub causing blade separation and subsequent loss of airplane control.

#### Compliance

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

#### Initial Propeller Hub Eddy Current Inspection (ECI)

(h) Within 50 operating hours time-in-service (TIS) after the effective date of this AD, perform an initial ECI of the front cylinder half of the propeller hub for cracks.

(i) Use paragraphs 3.A. through 3.A.(4)(g) of the Accomplishment Instructions of Hartzell Propeller Inc. Service Bulletin (SB) HC-SB-61-269, dated April 18, 2005, to perform the ECI inspection.

(j) If any cracks are found, remove the propeller hub from service before further flight.

(k) If no cracks are found, mark the propeller using paragraph 3.A.(6)(a) of the Accomplishment Instructions of Hartzell Propeller Inc. Service Bulletin (SB) HC-SB-61-269, dated April 18, 2005, to indicate compliance with Hartzell Propeller Inc. SB HC-SB-61-269, dated April 18, 2005.

#### Repetitive Propeller Hub ECIs

(l) Within every 100 operating hours TIS after the last propeller hub ECI inspection, or at every annual inspection, whichever occurs first, perform repetitive ECIs of the front cylinder half of the propeller hub for cracks.

(m) If any cracks are found, remove the propeller hub from service before further flight.

#### Optional Terminating Action

(n) As optional terminating action to the repetitive ECIs required by this AD:

(1) Replace the non-suffix SN propeller hub with a propeller hub identified by an "A" or "B" suffix letter in the propeller hub SN; except

(2) Do not install a suffix "A" propeller hub that was previously installed on an aircraft affected by the original issue or later revision of Hartzell Propeller Inc. SB HC-SB-61-227.

(3) Replacement propeller hub part numbers can be found in paragraph 2.A., Material Information, of Hartzell Propeller Inc. SB HC-SB-61-269, dated April 18, 2005.

#### Alternative Methods of Compliance

(o) The Manager, Chicago 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

(p) Hartzell Propeller Inc. SB HC-SB-61-227, Revision 2, dated April 18, 2005, and AD 2001-23-08 pertain to the subject of this AD.

#### Material Incorporated by Reference

(q) You must use Hartzell Propeller Inc. Service Bulletin HC-SB-61-269, dated April 18, 2005, to perform the ECI inspections 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 Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information. You may review copies at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA; 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 August 30, 2006.

**Francis A. Favara,**

Manager, Engine and Propeller Directorate, Aircraft Certification Service.

[FR Doc. E6-14691 Filed 9-7-06; 8:45 am]

BILLING CODE 4910-13-P

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

[Docket No. FAA-2006-24640; Directorate Identifier 2006-CE-26-AD; Amendment 39-14755; AD 2006-18-16]

RIN 2120-AA64

**Airworthiness Directives; Raytheon Aircraft Company Model 390 Airplanes**

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

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for certain Raytheon Aircraft Company Model 390 airplanes. This AD requires you to inspect the spigot bearing, part number (P/N) MS14104-16, for the proper

position in the spigot fitting assembly and to install the wing spigot bearing retainer kit, P/N 390-4304-0001. We are issuing this AD to detect spigot bearings that are not positioned flush with the fitting assembly. This condition could result in the spigot bearing becoming disengaged from the fitting assembly, which could cause motion between the wing and the fuselage and degrade the structural integrity of the wing attachment to the fuselage. This could lead to wing separation and loss of control of the airplane.

**DATES:** This AD becomes effective on October 13, 2006.

As of October 13, 2006, the Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulation.

**ADDRESSES:** For service information identified in this AD, contact Raytheon Aircraft Company, 9709 East Central, Wichita, Kansas 67201.

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-2006-24640; Directorate Identifier 2006-CE-26-AD.

**FOR FURTHER INFORMATION CONTACT:** David Ostrodka, Senior Aerospace Engineer, Wichita Aircraft Certification Office, Airframe and Services Branch, ACE-118W, 1801 Airport Road, Wichita, Kansas 67209; telephone: (316) 946-4129; facsimile: (316) 946-4107; e-mail: [david.ostrodka@faa.gov](mailto:david.ostrodka@faa.gov).

**SUPPLEMENTARY INFORMATION:**

**Discussion**

On May 17, 2006, we issued a proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an AD that would apply to certain Raytheon Aircraft Company Model 390 airplanes. This proposal was published in the **Federal Register** as a notice of proposed rulemaking (NPRM) on May 23, 2006 (71 FR 29595). The NPRM proposed to require you to inspect the spigot bearing, P/N MS14104-16, for the proper position in the spigot fitting assembly and to install the wing spigot bearing retainer kit, P/N 390-4304-0001.

**Comments**

We provided the public the opportunity to participate in developing this AD. We received no comments on the proposal or on the determination of the cost to the public.

**Conclusion**

We have carefully reviewed the available data and determined that air safety and the public interest require adopting the AD as proposed except for minor editorial corrections. We have determined that these minor corrections:

- Are consistent with the intent that was proposed in the NPRM for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

**Costs of Compliance**

We estimate that this AD affects 78 airplanes in the U.S. registry.

We estimate the following costs to do the installation of the spigot bearing retainer kit, P/N 390-4304-0001:

Labor cost	Parts cost	Total cost per airplane	Total cost on U.S. operators
8 work-hours × \$80 per hour = \$640 .....	\$1,442	\$2,082	\$162,396

**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 AD.

**Regulatory Findings**

We have 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 this AD:

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 other