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**HARTZELL**

# **PROPELLER OWNER'S MANUAL**





## HARTZELL PROPELLER INC

INSPECTION

Part number: J3F10600

Date: 5/17/2006

Work Order #: M335310

Model Number PHC-J3YF-1RF/F7392-1															
Ass'y Ser No. FP4749B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA		Dome No.							
Blade 1 K38565		Blade 2 K38566		Blade 3 K38557		Blade 4		Blade 5		Blade 6					
Carton No.		Lbs.		Weight		Kilos		Height		Width		Length		Packing	
Comments: Deice Kit: NA IDS # 1752 3-24-06 13.9 L.P./S.L. @ 30" Radius														Spinner Mounting Kit: A2476-7	
Packing Certified By: <i>P.D.</i>										Date: 5/17/06					

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.

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Hartzell Propeller Inc.  
Assembly Inspection Check-off Record

Approved By: S. Wead

COMPACT PROPELLER

Date: 8/31/05

Form Rev.: N

Exp. ☐

Inspection

Prop S/N FP4749B  
Drawing D 4245

Model PHC-J34E-1RF  
Dwg. Rev. AJ

W.O. No. M 375310  
IDS No. 1752 IDS Date 7-27-06

Serialized Parts

Builder  
Hub Part No. E-7156-4R  
Hub Factory No. A81533 B  
Fork Ser. No. NE 7597  
Piston Ser. No.

Bulkhead S/N   
Slip/Slinger Ring S/N   
Cylinder S/N E23977

Inspector

Part No.

Serial No.

Cwt. Blade F7392-1

#1 K38565  
#2 K38566  
#3 K38557  
#4

Builder

Check for Leaks ☒

Check Feather Angle (Record Angle) NA

Verify Rod Nut Cotter Pin ☒

Review IDS Notes ☒

Assembled By: Scott Angle

Date: 5-16-06

2nd Check Verification

Blade Angles Checked at 30" Radius ☒

Low Pitch (Within .2 Deg.) 13.8 / 13.95

High Pitch 34.9 / 35.1

Friction ☒

Function Test @ 175 psi ☒

Reverse Pitch 1

Track/Length (Aluminum .125" max)(Composite .250" max.) ☒

Verify Hub Bolt Torques BL

Verified By: B. L. D.

Date: 5-16-06

Balance

Balance Weight  
Quantity and Type

Lead #1 2-1A-2W

#2 0

#3 0

#4

Trail #1 0

#2 1

#3 0

#4

Front (Assy. S/N)

Back

Balanced By: KV

Date: 5-16-06

Inspection

Non-installed Mounting Hardware and Dimensional Checks

"D" Flange Only

(8) A-2044 Nuts   
(8) A-7752 Spacer   
(2) A-7750 & (6) A-7749  
Stud Torque 25 ft lb   
Mtg Stud Protrusion

"F" Flange Only

(6) A-1381 Washers ☒  
(6) A-2044 Lock Nut ☒  
A-2429-1.5 Studs  
Torqued 25 ft.lbs. ☒  
Mtg Stud Protrusion ☒  
Dowel Pin Protrusion ☒

Extended "L" Flange Only

(4) B-6489-25 Bolts   
(4) B-6526-7 Washer

"N" Flange Only

(8) A-3257 Nuts   
(8) A-2048-2 Washer   
A-3254 Studs Torqued 25  
ft. lbs.   
Mtg Stud Protrusion   
Dowel Pin Protrusion   
C-3317-230 O-ring

Safeties ☒ Visual Insp Mtg. Flange & Hub B. ☒

Non-installed Parts Checked ☒

Torque Sheet Complete ☒

Spinner Mtg Kit A-2476-(7)

Installed ☒

Included N/A

De-ice Kit No.

Installed/Ot. k'd

Included/Ohms Ck'd N/A

N/A ☒

Ohms Reading <100K

#1

#2

#3

#4

N/A ☒

Air Chamber Charged per Requirement in Applic. Owners Manual ☒

N/A ☒

Verify Hub Bolt Torques ☒

Comments:

Inspected By: John J. Me...

Stamp HP 92

Date: 5-17-06

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.

**HARTZELL**

# PROPELLER LOGBOOK

PROPELLER MODEL PHC-J3YF-1RF/F7392-1

PROPELLER S/N FP 4749B

LOGBOOK # 1



## PROPELLER MAINTENANCE RECORD

Position \_\_\_\_\_

PITCH RANGE

Propeller Model \_\_\_\_\_

High/Feather \_\_\_\_\_

Propeller S/N \_\_\_\_\_

Start Lock \_\_\_\_\_

Blade Design \_\_\_\_\_

Low \_\_\_\_\_

Blade S/N's

Reverse \_\_\_\_\_

No. 1 \_\_\_\_\_

No. 2 \_\_\_\_\_

No. 3 \_\_\_\_\_

No. 4 \_\_\_\_\_

No. 5 \_\_\_\_\_

No. 6 \_\_\_\_\_

Spinner Assembly Part No. \_\_\_\_\_

Aircraft Manufacturer Cirrus Design

Aircraft Model SR-20

S/N 20-1682

Registration ~~N177PT~~ N628M

PROP MODEL:  
PHC-J3YF-1RF  
PROP S/N: FP4749B  
REG NO: N177PT  
WORK ORDER:  
27115-06-2007



**Commander Aero, Inc.**  
Repair Station No. GA5R-876M  
10570 Springboro Pike  
Miamisburg, Ohio 45342 USA  
Phone: 888-881-5580

DATE: 7/11/2007  
A/C TSN: 96.2  
PROP TT: 96.2  
HOBBS: 96.2

### Prop Entries

(3) Complied with 100 Hour Propeller Inspection.

I certify that this propeller was inspected in accordance with a 100 hour inspection and found to be airworthy.  
The aircraft and/or component(s) on N177PT was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 27115-06-2007, Dated 7/12/2007.

DATE: 7/11/2007

SIGNED:

Work Order: 27115-06-2007

Kromer, Gary

Certified Repair Station No. GA5R-876M

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PROP MODEL:  
PHC-J3YF-1RF  
PROP S/N: FP4749B  
REG NO: 176PT  
WORK ORDER:  
10345-12-2007

### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone: 218- 788-3101

DATE: 12/17/2007  
A/C TSN: 172.4  
PROP TT: 172.4  
HOBBS: 172.4

### Prop Entries

(5) Researched propeller ADs through bi-weekly issue 2007-24, all ADs are in compliance at this time.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 12/17/2007

SIGNED:

Work Order: 10345-12-2007

Steven LaMoure

Certified Repair Station No. YD5R855Y

Printed by EBi3 (datcomedia.com)



**HERITAGE FLIGHT**

CRSIGXR989E

Propeller

09/05/2008

212.4 Hobbs

212.4 ACTT

212.4 ETT

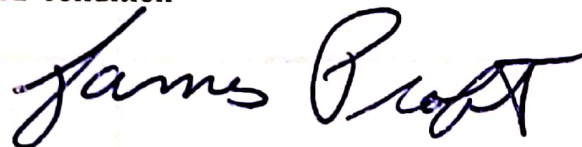
N176PT

W.O. SH07143

212.4 PTT

I certify that this **Propeller** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in **AIRWORTHY** condition

James Proft for CRSIGXR989E

**HERITAGE FLIGHT**

CRSIGXR989E

Propeller

08/14/2009

240.9 Hobbs

240.9 ACTT

240.9 ETT

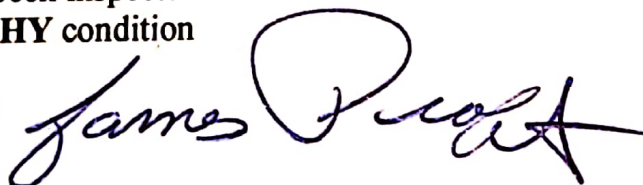
N176PT

W.O. SH08876

240.9 PTT

I certify that this **Propeller** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in **AIRWORTHY** condition

James Proft for CRSIGXR989E



A/C  
Hrs

Description of all operations pertaining to Airworthiness Directives,  
Service Documents, Overhaul, Major or Minor Repair, and Inspections.

HERITAGE

N176PT - Cirrus SR20 S/N: 1682

Airframe: 269.5 Hobbs Airframe Hours: 191.2 Flight Hobbs

Propeller TSN: 191.2 PTT

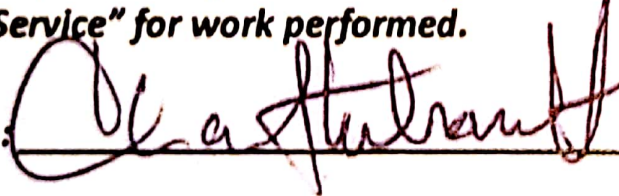
Complied with the following items:

- Inspect prop, dress and profile propeller blades.

I certify that this Propeller has been Inspected IAW an "ANNUAL" Inspection and was determined to be in Airworthy condition.

*"The above items were complied with per the "Manufactures Maintenance Procedures". This aircraft/engine is "Approved for Return to Service" for work performed.*

Date: 9/10/2010 Sign:





# NexAir Avionics Annual Inspection - Prop

September 23, 2011 N628M HOBBS: 0296.3

Completed an annual inspection in accordance with Cirrus OEM Checklist. Serviced hub with grease. Inspected leading edge and touched up paint as necessary.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be airworthy.

  
Dave Fetherston NEXAIR AVIONICS FAA CRS: N4OR087B

NEXAIR  
AVIONICS

Mansfield Airport(1B9)  
265 Fruit St  
Mansfield, MA 02048  
CRS# N4OR087B


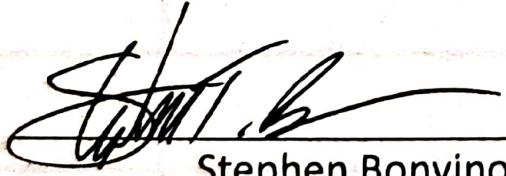
N628M  
Oct 19, 2012  
Hobbs: 352.2  
Tach: 256.5  
WO# 1310  
Prop

Completed annual inspection IAW Cirrus SR20 AMM & AMM Checklist. Serviced hub with grease. Inspected leading edge and touched up paint as necessary. Updated the airworthiness directives through Bi-weekly issue 2012-21.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be airworthy.

Authorized Signature

  
Stephen Bonvino

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and
	TSN	TSO		
			Mansfield Airport(1B9) 265 Fruit St Mansfield, MA 02048 CRS# N4OR087B	N628M Oct 24, 2013 Hobbs: 372.4 Tach: 272.0 WO# 1823 Prop
Completed annual inspection IAW Cirrus SR20 AMM & AMM Checklist. Serviced hub with grease. Inspected leading edge and touched up paint as necessary. Updated the airworthiness directives through Bi-weekly issue 2013-21.				
I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be airworthy.				
Authorized Signature			 Stephen Bonvino	



NEXAIR  
AVIONICS

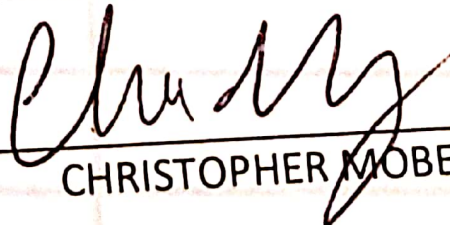
Mansfield Airport(1B9)  
265 Fruit St  
Mansfield, MA 02048  
CRS# N4OR087B

N628M  
Oct 24, 2014  
Hobbs: 390.9  
WO# 2344  
Prop

Completed annual inspection IAW Cirrus SR20 AMM & AMM Checklist. Serviced hub with grease. Inspected leading edge and touched up paint as necessary. Updated the airworthiness directives through Bi-weekly issue 2014-21.

I certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Authorized Signature

  
CHRISTOPHER MOBERG



Mansfield Airport(1B9)  
265 Fruit St  
Mansfield, MA 02048  
CRS# N4OR087B

N628M  
OCT. 23 2015  
Hobbs: 396.3  
Tach: 289.6  
WO# 2896

Completed annual inspection IAW Cirrus SR20 AMM & AMM Checklist. Serviced hub with grease. Inspected leading edge and touched up paint as necessary. Updated the airworthiness directives through Bi-weekly issue 2015-22.

I certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

**Note:** Work Order 2896 on File, Equipment List and Weight & Balance updated.

Authorized Signature

CHRISTOPHER MOBERG



**Twin City Airmotive (KFIT) Fitchburg MA 01420 tel. 978-342-8700** Twincity98@verizon.net

Date: 11/1/16	Hobbs: 417.2	Tach: 307.2	N 307.2	<b>Propeller Annual</b>	
ACTT: 417.2	Prop TT: 417.2			Airframe Serial #	1682

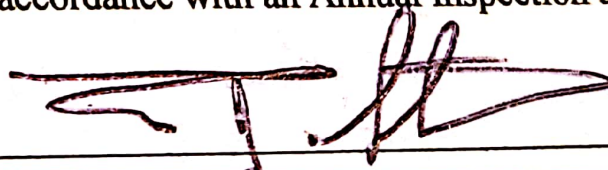
**Performed the following annual inspection utilizing the manufacturer's annual inspection guide:**

1. Inspected the propeller's hub, bulkhead and blades. No defects noted. Dressed and painted the propeller blades as required.  
-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and /or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. and a copy has been provided to the owner/operator.

I certify that this Propeller has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Eric J. Steigelman A&P 10582467 I.A. By: \_\_\_\_\_







***Performed the following annual inspection in accordance with FAR 43 Appendix D:***

1. Dressed propeller of small nicks and serviced with Aeroshell #6 grease as needed.
2. C/W Airworthiness Directive research to 2019/5 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and /or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 8603 and a copy has been provided to the owner/operator.

I certify that this Propeller has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Raymond M. Pierce A&P 3079600

Mark Maljanian A&P 33545223 IA

*Performed the following annual inspection utilizing the manufacturer's annual inspection guide:*

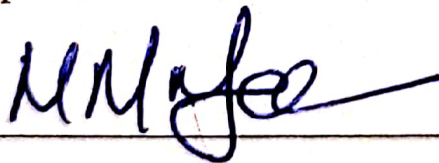
1. Dressed and painted propeller as needed.
2. C/W Airworthiness Directive research to 2020/08 biweekly issuance.

-----END-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and /or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 8981 and a copy has been provided to the owner/operator.

I certify that this Propeller has been inspected in accordance with an Annual Inspection and **WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

Mark Maljanian A&P 33545223 IA





# PROPELLER LOG

1-15-2021

**STEEL**  
**AVIATION**

N628M	Prop S/N:	FP4749B
Make: Cirrus	Model:	PHC-J3YF-1RF
Hobbs: 490.5	Tach:	368.6
	TTSOH:	

1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D - Using Hartzell /Cirrus AMM as a guide.
2. Dressed prop bladed
3. Lubed prop

I certify that this propeller has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

  
Kevin Pierron A&P 33431891A