

INSTALLATION ■ OPERATION ■ SERVICE

BOOK 1

HC F2YL-2BS/7663-4

# BG 3551 # BG 3519  
(L) (R)

*Hartzell*

propeller owner's  
manual  
& log book

D.O.A. -  
F.A.A.  
APPROVED  
MANUAL  
115 I

"Compact" Models HC-C2Y, HC-C3Y, HC-F2Y, HC-F3Y, HC-F4Y,  
HC-E2Y, HC-E3Y, HC-G2Y, HC-G3Y, (P)HC-L3Y,  
BHC-L2Y, HC-H3Y, (P)HC-J3Y, BHC-J2Y,  
( )HC-I2Y, and ( )HC-M2Y - Constant Speed and Feathering

Phone

↓ 513-773-7443 773-9766

HARTZELL PROPELLER, INC. - PIQUA, OHIO

### PROPELLER MAINTENANCE RECORD

#### LEFT ENGINE

Hub Model HC E24L-2BS

Blade Design 7663-4 PR

Diameter 72"

Hub Ser. No. BG 3521

Blade Ser. Nos. \_\_\_\_\_

No. 1 C 9297 PR

No. 2 C 9409 PR

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

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

#### PITCH RANGE

High 18.4° Low 12.0°

Feather 78.0° Reverse —

Governor Model \_\_\_\_\_

#### RIGHT ENGINE

Hub Model HC E24L-2BS

Blade Design 7663-4 PR

Diameter 72"

Hub Ser. No. BG 3519

Blade Ser. Nos. \_\_\_\_\_

No. 1 C 2715 PR

No. 2 C 5285 PR

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

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

#### PITCH RANGE

High 17.5° Low 12.0°

Feather 78.0° Reverse —

Governor Model \_\_\_\_\_

**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
7-14-78	1369 <u>20</u>	LRT	
		Overhauled, replaced worn parts. Work accomplished complies with Hartzell bulletins through	
		<u>118B</u> and ad through <u>77-12-06</u>	
		Blade Ser. No. <u>C 9297 PR</u>	
		<u>C 9409 PR</u>	
		Blade Angles Reverse <u>→</u>	
		Low <u>12.00</u>	
		High <u>18.40</u>	
		Feather <u>78.00</u>	
		Time since overhaul <u>0</u> Total time _____	



**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
7-14-78	1358 <sup>32</sup>	RIGHT	
		Overhauled, replaced worn parts. Work accomplished complies with Hartzell bulletins through	
		<u>118B</u> and ad through <u>77-12-04</u>	
		Blade Ser. No. <u>C2715 PR</u>	
		<u>C5285 PR</u>	
		Blade Angles Reverse <u>—</u>	
		Low <u>12.0°</u>	
		High <u>17.5°</u>	
		Feather <u>78.0°</u>	
		Time since overhaul <u>0</u> Total time	





**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
8-26-83		LEFT	
		Overhauled, replaced worn parts.	
		Work accomplished complies with	
		Hartzell bulletins through	
		<del>118C</del> and ad through <del>77-12-06</del>	
		Blade Ser. No. <del>B52441</del>	
		<del>B52718</del>	
		<del>Blade Angles</del>	
		Reverse <del>—</del>	
		Low <del>12°</del>	
		High <del>18°</del>	
		Feather <del>78.5°</del>	
		Time since overhaul <del>0</del> Total time <del>—</del>	
			<i>Wayne F. Bennett</i> <i>for Newsum Corp</i> <i>Concaston, Pa</i> <i>#3528</i>



**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
8-26-83		RIGHT	
		Overhauled replaced worn parts	
		Work accomplished complies with	
		Hartzell bulletins through	
		<u>118C</u> and ad through <u>77-12-06</u>	
		Made Ser. No. <u>B52612</u>	
		<u>B52947</u>	
		Made Angles Reverse <u>—</u>	
		Low <u>12°</u>	
		High <u>18.30</u>	
		Feather <u>77.90</u>	
		Time since overhaul <u>0</u> Total time <u>—</u>	
			<p style="text-align: center;"><i>Wayne F. Bernard</i>  <i>for Sensenich Corp</i>  <i>Lancaster, Pa</i>                      #3528</p>



**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
3-18-85	LEFT 1967.08 HAS 181.34 HAS 5 MOH <small>TACH 180.47 HAS</small> RIGHT 1949.41 HAS	I CERTIFY THAT THESE PROPS HAVE BEEN INSPECTED IN ACCORDANCE WITH HARTZELL SERVICE LETTER 61H AND DETERMINED TO BE IN AIRWORTHY CONDITION	Kim Q. Barnett ADP 271661772 1A
4-1-86	LEFT 2058.14 HAS 276.365 MOH RIGHT 2044.07 HAS 275.158 MOH	I CERTIFY THAT THESE PROPS HAVE BEEN INSPECTION IN ACCORDANCE WITH HARTZELL SERVICE LETTER 61H AND DETERMINED TO BE IN AIRWORTHY CONDITION	Kim Q. Barnett ADP 271661772 1A
5-1-87	RIGHT 2157.22 TACH 308.3045 LEFT 2170.74 TACH 309.0045	I CERTIFY THAT THESE PROPS HAVE BEEN INSPECTED IN ACCORDANCE HARTZELL SERVICE LETTER 61H AND DETERMINED TO BE IN AIRWORTHY CONDITION.	Kim Q. Barnett ADP 271661772 1A

# PROPELLER/ ROTOR HISTORY

## PROPELLER/ROTOR HISTORY

Propeller/Rotor  
Installed On:

ENGINE TYPE \_\_\_\_\_ MAKE AND MODEL AIRCRAFT \_\_\_\_\_  
 ENGINE SERIAL NUMBER \_\_\_\_\_ AIRCRAFT REGISTRATION NO. \_\_\_\_\_  
 POSITION ( If Multi-Engine Aircraft ) \_\_\_\_\_ DATE INSTALLED \_\_\_\_\_

Date	Total Time	Time Since Major Overhaul	Repair Station and Number	Work Performed
5-6-88	LEFT TACH	2267.29HR	RIGHT TACH 2254.47HRS	I CERTIFY THAT THESE PROPS
				HAVE BEEN INSPECTED IN ACCORDANCE WITH HARTZELL SERVICE LETTER
				61H AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
				Kim A. Burnett ATP 231661372

**NOTE:** Compliance with A.D. Notes and Factory Bulletins pertaining to propellers/rotors should be entered in the appropriate section of this log.

# PROPELLER/ ROTOR HISTORY

## PROPELLER/ROTOR HISTORY

Propeller/Rotor  
Installed On:

ENGINE TYPE \_\_\_\_\_ MAKE AND MODEL AIRCRAFT \_\_\_\_\_  
ENGINE SERIAL NUMBER \_\_\_\_\_ AIRCRAFT REGISTRATION NO. \_\_\_\_\_  
POSITION ( If Multi-Engine Aircraft ) \_\_\_\_\_ DATE INSTALLED \_\_\_\_\_

Date	Total Time	Time Since Major Overhaul	Repair Station and Number	Work Performed
6-17-89	LT	Tach 2346.43 Hrs.	RT Tach 2334.06 Hrs.	Props removed. AD 77-12-06, SB 118C, SL 61D + 148A C/W By H+H Propeller Service. Reinstalled in original positions. Sgt. Burnett ACP 225666638
7-7-90	Tach Time	Left 2415.3 Hrs	Right 2403.3 Hrs.	
<p>I CERTIFY THAT <del>THE</del> <sup>these Propellers</sup> HAS BEEN</p>				
INSPECTED IN ACCORDANCE WITH AN <u>Annual</u>				
INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY				
CONDITION. TOTAL TIME <u>Left 2415.3 Right 2403.3 Hrs</u>				
Sgt. Burnett ACP 225666638				

**NOTE:** Compliance with A.D. Notes and Factory Bulletins pertaining to propellers/rotors should be entered in the appropriate section of this log.



# PROPELLER/ ROTOR HISTORY

## PROPELLER/ROTOR HISTORY

Propeller/Rotor  
Installed On:

ENGINE TYPE \_\_\_\_\_ MAKE AND MODEL AIRCRAFT \_\_\_\_\_  
ENGINE SERIAL NUMBER \_\_\_\_\_ AIRCRAFT REGISTRATION NO. \_\_\_\_\_  
POSITION ( If Multi-Engine Aircraft) \_\_\_\_\_ DATE INSTALLED \_\_\_\_\_

Date	Total Time	Time Since Major Overhaul	Repair Station and Number	Work Performed
6-28-91				Left Truck 2466.24 Right Truck 2454.52 Lubed both proprs. serviced cone pressure both proprs.
<p style="text-align: center;">These Propellers</p> <p>I CERTIFY THAT <del>THE</del> <sup>THESE</sup> Propellers HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>Annual</u> INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TOTAL TIME <u>Left 2466.24 Right 2454.52</u> <u>Rest. Barnhart IA22566638</u></p>				

NOTE: Compliance with A.D. Notes and Factory Bulletins pertaining to propellers/rotors should be entered in the appropriate section of this log

# PROPELLER/ ROTOR HISTORY

## PROPELLER/ROTOR HISTORY

Propeller/Rotor  
Installed On:

ENGINE TYPE \_\_\_\_\_ MAKE AND MODEL AIRCRAFT \_\_\_\_\_  
ENGINE SERIAL NUMBER \_\_\_\_\_ AIRCRAFT REGISTRATION NO. \_\_\_\_\_  
POSITION ( If Multi-Engine Aircraft ) \_\_\_\_\_ DATE INSTALLED \_\_\_\_\_

Date	Total Time	Time Since Major Overhaul	Repair Station and Number	Work Performed
8-10-92	Left	Tech 2502.28	Right Tech 2490.48	Lubed both props serviced cones.
				<del>NOTE THAT THESE PROPELLERS HAVE BEEN</del> <del>INSPECTED IN ACCORDANCE WITH AN</del> <u>Annual</u> <del>INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY</del> <del>CONDITION.</del> TOTAL TIME 2502.28 Left 2490.48 Right S/C. Barnett FA 22566638
11-14-95	Left	Tech 2617.00	RT Tech 2605.49	Lubed and inspected both props. serviced cones. S/C. Barnett A/P 22566638

**NOTE:** Compliance with A.D. Notes and Factory Bulletins pertaining to propellers/rotors should be entered in the appropriate section of this log.



# PROPELLER/ ROTOR HISTORY

## PROPELLER/ROTOR HISTORY

Propeller/Rotor  
Installed On:

ENGINE TYPE \_\_\_\_\_ MAKE AND MODEL AIRCRAFT \_\_\_\_\_  
ENGINE SERIAL NUMBER \_\_\_\_\_ AIRCRAFT REGISTRATION NO. \_\_\_\_\_  
POSITION ( If Multi-Engine Aircraft ) \_\_\_\_\_ DATE INSTALLED \_\_\_\_\_

Date	Total Time	Time Since Major Overhaul	Repair Station and Number	Work Performed
11-8-96		LT Tach 2655.29 Hrs RT Tach 2643.75 Hrs.		Lubed and inspected both props. Serviced dunes. Spc C. Bennett A&P 2256666J8
11-28-2001		LT Tach 2735.2 Hrs RT Tach 2723.3 Hrs.		Inspected, lubed and serviced dunes of both props. Spc C. Bennett A&P 2256666J8

**NOTE:** Compliance with A.D. Notes and Factory Bulletins pertaining to propellers/rotors should be entered in the appropriate section of this log.





left

**SERVICEABLE PART**

MANUFACTURER Hartzell  
 PART NAME Propeller  
 MODEL HC-E2YL-2BS/7663-4  
 PART NO. \_\_\_\_\_  
 SERIAL NO. BG-3521

REMARKS: Overhauled, checked in B24340+B24344  
repaired by Hartzell 5/10/78 + 59400 which are not  
affected by A.D. 70-163. Complied with Hartzell Service  
bulletin #17+198 and Service Letter #41, #42,  
#57, #60, #62 (A.D. 71-21-9)

ACCOMPLISHED BY M.B. Krall  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE,  
 PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS  
 REPAIRED AND INSPECTED IN ACCORDANCE WITH  
 CURRENT REGULATIONS OF THE FEDERAL AVIATION  
 AGENCY AND IS APPROVED FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR ARE ON  
 FILE AT THIS REPAIR STATION UNDER  
 ORDER NO. 6457 DATE 8-10-78  
 SIGNED Mark B. Krall  
 SIGNATURE OF AUTHORIZED REPRESENTATIVE

FOR:  
**PIEDMONT AVIATION, INC.**  
**SMITH REYNOLDS AIRPORT**  
**WINSTON-SALEM, N. C. 27102**  
 F.A.A. REPAIR STATION NO. 1340 (LTD.)

Form R-2

HARTZELL

LEFT

Part Name PROPELLER ASSEMBLY  
 Model No. HC E2YL-2BS Ser. No. BG 3521  
7663-4 PR

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above  
 was repaired and inspected in accordance with current regulations of the Federal  
 Aviation Agency and is approved for return to service. Pertinent details of  
 the repair are on file at this repair station under

Work Order No. 90567 Date 7-14-78  
 Signed Mark B. Krall

SENENICH CORP., Lancaster, Pa. 17604 — Cert. No. 3528

Form R-2

HARTZELL

RIGHT

Part Name PROPELLER ASSEMBLY  
 Model No. HC E2YL-2BS Ser. No. BG 3519  
7663-4 PR

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above  
 was repaired and inspected in accordance with current regulations of the Federal  
 Aviation Agency and is approved for return to service. Pertinent details of  
 the repair are on file at this repair station under

Work Order No. 90564 Date 7-14-78  
 Signed Mark B. Krall

SENENICH CORP., Lancaster, Pa. 17604 — Cert. No. 3528



Overhauled, replaced worn parts.  
Work accomplished complies with  
Hartzell bulletins through

118B and ad through 77-12-06  
Blade Ser. No. C 9297 Pr  
C 9409 Pr

Blade Angles Reverse —  
Low 12.0°  
High 18.4°  
Feather 78.0°  
Time since overhaul 0 Total time       

Overhauled, replaced worn parts.  
Work accomplished complies with  
Hartzell bulletins through

118B and ad through 77-12-06  
Blade Ser. No. C 2715 Pr  
C 5285 Pr

Blade Angles Reverse —  
Low 12.0°  
High 17.5°  
Feather 78.0°  
Time since overhaul 0 Total time



LEFT

Part Name HARTZELL PROPELLER  
HC-E24L-2BS  
Model No. 7663-4 Ser. No. BG-3521

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

Work Order No. 52530 Date 8-26-83

Signed Maunne

Form R-2

*FOR* SENSENICH CORP., Lancaster, Pa. 17604 — Cert. No. 3528

RIGHT

Part Name HARTZELL PROPELLER  
HC-E24L-2BS  
Model No. 7663-4 Ser. No. BG-3519

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

Work Order No. 52529 Date 8-26-83

Signed Maunne F. Benners

Form R-2

*FOR* SENSENICH CORP., Lancaster, Pa. 17604 — Cert. No. 3528  
*Mick Benners*

Overhauled, replaced worn parts.

Work accomplished complies with

Hartzell bulletins through

118C and ad through 77-12-06

Blade Ser. No. B52441

B52718

Blade Angles Reverse —

Low 120

High 180

Feather 78-50

Time since overhaul 0 Total time       

Overhauled, replaced worn parts.

Work accomplished complies with

Hartzell bulletins through

118C and ad through 77-12-06

Blade Ser. No. B52612

B52947

Blade Angles Reverse —

Low 120

High 18.30

Feather 77.90

Time since overhaul 0 Total time

LT

SERVICEABLE PART

MANUFACTURER *Hartzell*

PART NAME *Propeller*

MODEL *HC-F24-2B2*

PART NO. \_\_\_\_\_

SERIAL NO. *3521*

REMARKS: *Inspected with video camera  
NVC 2110P1118 special painted  
and balanced. Bal. No. 41607  
#1175-413 732852947*

ACCOMPLISHED BY *Bobby Evans*

THE AIRCRAFT PROPELLER OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

Order No. *01291* Date *15 Dec 89*

Signed *[Signature]*  
Signature of Authorized Representative

FOR:

H & H PROPELLER SERVICE

Burlington Municipal Airport

Burlington, N. C. 27215

F.A.A. REPAIR STATION NO. 711-8 (LTD)

RT

SERVICEABLE PART

MANUFACTURER *Hartzell*

PART NAME *Propeller*

MODEL *HC-F24-2B2*

PART NO. \_\_\_\_\_

SERIAL NO. *3519*

REMARKS: *Inspected with video camera  
#3110-2110P1118 - special painted  
and balanced. Bal. No. 7663  
#1175-413 732852947*

ACCOMPLISHED BY *Bobby Evans*

THE AIRCRAFT PROPELLER OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

Order No. *01291* Date *15 Dec 89*

Signed *[Signature]*  
Signature of Authorized Representative

FOR:

H & H PROPELLER SERVICE

Burlington Municipal Airport

Burlington, N. C. 27215

F.A.A. REPAIR STATION NO. 711-8 (LTD)



REORDER FROM:  
AVIATION BUSINESS SYSTEMS  
715 North Memorial Parkway  
HUNTSVILLE, ALABAMA 35801  
1-800-633-2950

# REPAIRABLE

OWNER:

*Bob Blodinger*

Propeller  
UNIT NAME

*Hartzell IP*

MFG. NAME

*HC-F2YK-2B*

MODEL or TYPE

PART #

*3521*

SERIAL #

TRACE-  
ABILITY

*MESSSY*

*3-30-09*

DATE

WORK ORDER #

WORK TO BE DONE:

Wk. Ord. #

*Markie Jordan 3/30/09*

DATE

FAA Certificate No.

## MERIDIAN AIR GROUP, INC.

335 INDUSTRIAL DR.  
LOUISA, VA 23093  
(540) 967-5339

REORDER FROM:  
AVIATION BUSINESS SYSTEMS  
715 North Memorial Parkway  
HUNTSVILLE, ALABAMA 35801  
1-800-633-2950

# REPAIRABLE

OWNER:

*Bob Blodinger*

Propeller  
UNIT NAME

*Hartzell*

MFG. NAME

*HC-F2YK-2B*

MODEL or TYPE

PART #

*3519*

SERIAL #

TRACE-  
ABILITY

*MESSSY*

*3-30-09*

DATE

WORK ORDER #

WORK TO BE DONE:

Wk. Ord. #

*Markie Jordan 3/30/09*

DATE

FAA Certificate No.

## MERIDIAN AIR GROUP, INC.

335 INDUSTRIAL DR.  
LOUISA, VA 23093  
(540) 967-5339

### SERVICEABLE PART

MANUFACTURER HARTZELL

PART NAME PROPELLER

MODEL HC-E2YL-2B5

PART NO. \_\_\_\_\_

SERIAL NO. BG 3521

REMARKS: Disassembled and inspected  
C/W S/E 152A. Assembled  
grinded, painted and balanced.  
Bld. Dwg. # 7663-4 #1) B52441  
#2) B52718.

ACCOMPLISHED BY Bobby Evans

THE AIRCRAFT PROPELLER OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER:

Order No. 16938 Date 22 May 09

Signed [Signature]  
Signature of Authorized Representative

FOR:

**H & H PROPELLER SERVICE**  
Burlington Municipal Airport  
Burlington, NC 27215

F.A.A. REPAIR STATION NO. PS4R451M;

### SERVICEABLE PART

MANUFACTURER HARTZELL

PART NAME PROPELLER

MODEL HC-E2YL-2B5

PART NO. \_\_\_\_\_

SERIAL NO. BG 3519

REMARKS: Disassembled and inspected  
C/W S/E 152A. Assembled, grinded,  
painted and balanced. Bld. Dwg. #  
7663-4 #1) B52612 #2) B52947.

ACCOMPLISHED BY Steve Young

THE AIRCRAFT PROPELLER OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER:

Order No. 16938 Date 22 May 09

Signed [Signature]  
Signature of Authorized Representative

FOR:

**H & H PROPELLER SERVICE**  
Burlington Municipal Airport  
Burlington, NC 27215

F.A.A. REPAIR STATION NO. PS4R451M;