

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA02268CH

*This certificate issued to*

Airwolf Filter Corp.  
15369 Madison Road  
Middlefield, OH 44062-8404

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part \* of the \* Regulations*

*Original Product - Type Certificate Number:* \*

*Make:* \*

*Model:* \*

\*See attached FAA Approved Model List (AML) No. SA02268CH for list of approved airplane and engine models and applicable airworthiness regulations.

*Description of Type Design Change:*

Installation of Airwolf Filter Corp. Air Oil Separator, in accordance with Airwolf Filter Corp. Installation Instructions as listed on AML No. SA02268CH, or later FAA approved revision.

*Limitations and Conditions:*

1. Compatibility of the design change with previously approved modifications must be determined by the installer.
2. A copy of this Certificate and FAA Approved Model List (AML) No. SA02268CH, Revision None, dated March 30, 2006, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* June 24, 2004

*Date reissued:*

*Date of issuance:* March 30, 2006

*Date amended:*



*By direction of the Administrator*

*Steven L. Smalley*  
(Signature)

For Charles L. Smalley  
Manager, Systems & Flight Test Branch  
Chicago Aircraft Certification Office

(Title)





U.S. Department of  
Transportation  
Federal Aviation  
Administration

## MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020  
For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make <b>Cirrus Design</b>	Model <b>SR22</b>
	Serial No. <b>0375</b>	Nationality and Registration Mark <b>USA N437C</b>
2. Owner	Name (As shown on registration certificate) <b>DeKoning, Inc.</b>	Address (As shown on registration certificate) <b>5913 Old Greenway Dr. Glen Allen, Va. 23059-7062</b>

### 3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT	TCM	IO-550-N7	686399		XX
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

### 6. Conformity Statement

A. Agency's Name and Address <b>Million Air-Richmond / Jeffery Deppen 400 Portugee Rd. RIC Int'l. Airport, Va. 23250</b>	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <b>AP2664148</b>
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>8 May 2006</b>	Signature of Authorized Individual <b>Jeffery Deppen</b>
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### 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>8 May 2006</b>		Certificate or Designation No. <b>AP226987565IA</b>		Signature of Authorized Individual <b>John Gardner</b>	





# QUALITY AIRCRAFT ACCESSORIES, INC.

FAA Approved Repair Station # QYIR334Y  
Component Repair Traveler

Customer Name Mellin Air Richmond

PO# P01369

Unit Name ALTERNATOR

WO# 44095

Mfg. Name TCM

Date 10-29-07

Part No. 646843

Serial No. 002HA028

Mechanic Initial

Preliminary Inspection \_\_\_\_\_

CH

Disassembly \_\_\_\_\_

CH

Clean \_\_\_\_\_

CH

Inspect \_\_\_\_\_

CH

Hidden Damage Inspect. (if applicable) \_\_\_\_\_

CH

Repair Overhaul CH Exchange Test CH

CH

Run In (if required) \_\_\_\_\_

CH

Final Test / Inspection \_\_\_\_\_

CH

Maintenance Release Issue \_\_\_\_\_

Inspector's Signature Danny Lown

## Inspection Notes & Parts List

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Voltage Rate: 24 Amp Rating: 60

Ship Via \_\_\_\_\_

Rotor Winding Resistance: Good

Freight \_\_\_\_\_

Rotor Diameter: Good

Rectifier ohm Reading: Good

Labor \_\_\_\_\_

Aux Stud Reading: 18V. @ 4700 RPM

Parts \_\_\_\_\_

Final Test Reading: Good

Manual#: X30531-3 Issue Date: 7/89

Total \_\_\_\_\_

Revised 2/4/05



# Rocky Mountain Aircraft Services

A division of Rocky Mountain Avionics, Inc.

Certified Repair Station #7RKR476D

4170 U.S. Hwy 2 East, Box 12

Kalispell, MT 59901

(406) 752-5810 Telephone (406) 756-0420 Fax

Shop Order: SO-11139

Opened: 1/16/2019

Closed: 3/31/2019

Sold To: John Krack

Aircraft Number:		N437C		Type:FIXED WING SNGL-ENG		S/N: 0375	
Total Time:		3,076.0		Hobbs Time:		3,076.0	
Tach Time:				LG Cycles:			
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1							

## Squawk: 1

### Problem:

oil change due.

### Action Taken:

Drained oil, inspected filter, no contamination at this time. Serviced W/ 8 QTS AS 15W50 & new AA48108 filter, Run up & leak check ok.

Date Completed:

Completed By Technician:

Charges This Item:

1.50 Hours @ 95.00 \$ 142.50

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
AA48108-2	Oil Filter, Tempest		1.00	Each	25.490\$	25.49
AEROSHELL 15W-50	Oil		8.00	Quart	11.410\$	91.28
Total For This Squawk: \$						259.27

## Squawk: 2

### Problem:

Install customer supplied 406 ELT.

### Action Taken:

Removed existing E-01 ELT and antenna from aircraft and replaced with new ACK E-04 ELT and whip antenna P/N E-04.8. Operational check good. Installation & operational check performed per ACK Technologies E-04 ELT Installation and Operation Manual Rev. 1.9. ELT Battery expiration date 12/11/2023. Audio Alert Battery replacement due date 02/2029. CW check / test per 91.207 (d). Owner / operator to register W/ NOAA.

Date Completed:

Completed By Technician:

Charges This Item:

5.50 Hours @ 95.00 \$ 522.50

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
CR2	Battery, 3v		1.00	Each	6.060\$	6.06
Total For This Squawk: \$						528.56

## Miscellaneous Charges:

Misc Materials: \$ 15.00

## Summary:

Total Parts:	\$	31.55	Total Oil:	\$	91.28
Misc Materials:	\$	15.00	Total Labor - 7.00 Hours:	\$	665.00



1 EA	CH48108-1	Oil Filter	32.77	32.77
1 EA	OIL ANALYSIS, BLACKSTONE	Oil Analysis Kit	35.00	35.00
Labor: \$104.50			Parts: \$130.70	Shipping: \$0.00
			Outside Repair: \$0.00	Item Subtotal: \$235.20

Additional Charges							Subtotal
Pilot Services	Tire Disposal	EPA Charge	Oil Analysis	Shop Supplies	Fuel	Misc.	
0.00	0.00	0.00	0.00	17.71	0.00	0.00	\$17.71

**Labor Summary**  
Shop Labor: \$506.00      Outside Repair: \$0.00

Taxed Items:  
EPA Charge, Fuel, Shop Labor, OSR Labor, Misc. Charges, Oil Analysis, Shop Parts,  
OSR Parts, , Shipping In, Shipping Out, Shop Supplies, Tire Disposal

**Tax Breakdown: (Before Calculated)**

EPA Charge: 0.00  
Fuel: 0.00  
Shop Labor: 506.00  
OSR Labor: 0.00  
Misc. Charges: 0.00  
Oil Analysis: 0.00  
Shop Parts: 529.60  
OSR Parts: 0.00  
: 0.00  
Shipping In: 0.00  
Shipping Out: 0.00  
Shop Supplies: 17.71  
Tire Disposal: 0.00

Total Labor: \$506.00  
Total Parts: \$529.60  
Total Shipping: \$0.00  
Total Outside Repair: \$0.00  
Additional Charges: \$17.71  
Tax: \$93.74  
Amount Due: \$1,147.05  
Deposits & Credits: \$0.00  
**Balance Due: \$1,147.05**

**Important Information**

Aircraft Solutions, LLC dba Northwest Flight Service, LLC warranty covers repairs or replacement made due to defects in material or workmanship. Aircraft Solutions, LLC will replace at no cost to the customer any parts found to be defective. Aircraft Solutions, LLC will not cover any time loss, inconvenience, loss of aircraft time, or and consequential damage.

Aircraft 437C and/or components(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. "Pertinent details of the repair are on file at this agency under Work Order No. 29200, dated 1/22/2020.

Signed:   
(Signature of authorized Aircraft Solutions Representative)

I am the owner or authorized representative for 437C and have the authority to approve these repairs for payment. Any cost for collection of past due payments will be paid for by the signer of this contract and/or owner of 437C.

  
ICEBERG LAKE LLC or Authorized Representative

1/27/2020  
Date





# Aircraft Solutions dba Northwest Flight

6095 E Rutter Ave. Suite 2  
Spokane, WA 99212  
Phone: (509) 838-8883  
Email: aaron@nwflightservice.com  
Aircraft Solutions, LLC: 45-3948910  
Date: 1/22/2020, 2:20 PM

## CUSTOMER INFORMATION

ICEBERG LAKE LLC  
po Box 2009  
Whitefish, Montana 59937  
406 871 6316  
jkrack@gmail.com  
Reg. No: 437C  
2002 Cirrus SR22  
Current A/C TT: 3250.7, Hobbs: 3250.7  
A/C Serial: 0375

## Customer Invoice Work Order: 29200

### Item: 1 - Airworthy Airframe

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
Aileron gap seal needs installed 3250.7	1.00	110.00

#### Corrective Action

Installed new LH Aileron gap seal

#### Inspection Information:

Inspector Code: PETE REED on 01/16/20

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1		14390-003	Aileron Gap Seal, White		16.70	16.70

<b>Labor: \$110.00</b>	<b>Parts: \$16.70</b>	<b>Shipping: \$0.00</b>	<b>Outside Repair: \$0.00</b>	<b>Item Subtotal:</b>	<b>\$126.70</b>
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### Item: 2 - Airworthy Airframe

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
Engine monitor on MFD failed ,get message engine monitor not communicating	0.61	67.10

#### Corrective Action

Inspected connections for Engine data unit no defects noted.

#### Inspection Information:

Inspector Code: PETE REED on 01/16/20

<b>Labor: \$67.10</b>	<b>Parts: \$0.00</b>	<b>Shipping: \$0.00</b>	<b>Outside Repair: \$0.00</b>	<b>Item Subtotal:</b>	<b>\$67.10</b>
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### Item: 3 - Airworthy Airframe

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
get a EGT spike on cylinders #2,4,6, found plugs rusty inside lead end ,and shorting out .	2.04	224.40

#### Corrective Action

Removed and cleaned and tested spark plugs installed all new spark plugs p/n URHB32E.

#### Inspection Information:

Inspector Code: PETE REED on 01/20/20

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
0	EA	M674	Spark Plug Gasket		0.33	0.00
3	EA	URHB32E	Spark Plug, Tempest		31.85	95.55
3	EA	URHB32E	Spark Plug, Tempest		31.85	95.55
6	EA	URHB32E	Spark Plug, Tempest		31.85	191.10

<b>Labor: \$224.40</b>	<b>Parts: \$382.20</b>	<b>Shipping: \$0.00</b>	<b>Outside Repair: \$0.00</b>	<b>Item Subtotal:</b>	<b>\$606.60</b>
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### Item: 4 - Airworthy Airframe

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
Oil and filter change due	0.95	104.50

#### Corrective Action

Drained oil, Changed oil filter, Inspected oil filter for contaminants, found ok, Serviced engine with 7 Qts Aeroshell 15W 50 oil ,sample sent to Blackstone Ground ran, Leak- checked good.

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
7	EA	AEROSHELL 15W50	Oil		8.99	62.93



# Rocky Mountain

AIRCRAFT SERVICES  
MAINTENANCE & AVIONICS

Date: 1/15/2024; Aircraft: N437C; Type: FIXED WING SNGL-ENG; S/N: 0375; Hobbs: 3585.2; Total Time: 3585.2

Shop Order #: SO-13920

Removed and replaced Battery 1 with new G-243 battery. Serviced battery with 3 Qts of electrolyte and charged per Gill Manual. Ops check good.

Removed old Parachute p/n-14242-101S s/n-00433R1 Rocket assy p/n- 25363-001 s/n-1143. Complied with Cirrus SB2X-95-17R3 (G5 CAPS RETROFIT) & SB2X-95-24R1 (GROUND WIRE) at time of this CAPS O/H. Installed new Rocket p/n- 29500-405 s/n- 5875, igniter squib s/n 1023 12458, Parachute Assy p/n-25337-006 s/n- FEC0575 per SR22 CMM 95-01-01 Re-issue F. Installed line cutters p/n 26707-001 s/n 18178 and 18204 mfg date 11/2020. Next due 11/2026. Installed on new parachute per SR22 CMM 95-01-01.

Parachute & rocket next due O/H 11/2033. Installed CAPS shelf ground wire kit p/n 70572-001. All final checks C/W & CAPS sys. is verified operational. Installed TPOH 13-08R1 In POH. W&B balance revised in aircraft records.

The aircraft and or component identified above was repaired / inspected or maintained IAW current regulations of the FAA, and with respect to the work performed, approved for return to service.

Pertinent details on file at this repair station under SO-13920

Signed: \_\_\_\_\_

Date: 1/15/2024

Rocky Mountain Aircraft Services  
F.A.A. Certified Repair Station #7RKR476D  
Glacier Park International Airport  
Kalispell, Montana, 59901



# Rocky Mountain

AIRCRAFT SERVICES  
MAINTENANCE & AVIONICS

Date: 1/15/2024; Aircraft: N437C; Type: FIXED WING SNGL-ENG; S/N: 0375; Hobbs: 3585.2; Total Time: 3585.2

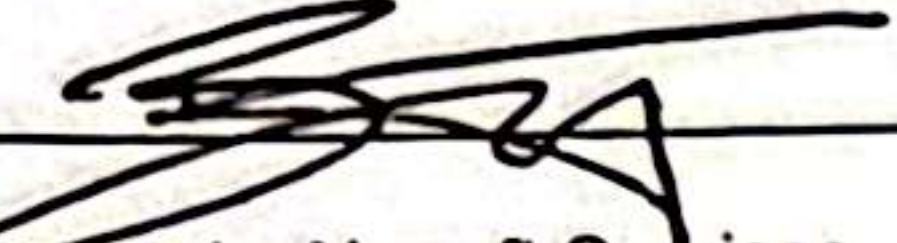
Shop Order #: SO-13920

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The aircraft and or component identified above was repaired / inspected or maintained IAW current regulations of the FAA, and with respect to the work performed, approved for return to service.

Pertinent details on file at this repair station under SO-13920

Signed: 

Date: 1/15/2024

Rocky Mountain Aircraft Services  
F.A.A. Certified Repair Station #7RKR476D  
Glacier Park International Airport  
Kalispell, Montana, 59901



## Rocky Mountain Aircraft Services

A division of Rocky Mountain Avionics, Inc.

Certified Repair Station #7RKR476D

4170 U.S. Hwy 2 East, Box 12

Kalispell, MT 59901

(406) 752-5810 Telephone (406) 756-0420 Fax

### Totals:

SubTotal:	\$	802.83
Total Charges:	\$	802.83
Amount Remaining:	\$	802.83

Preliminary Inspection \_\_\_\_\_

Hidden Damage Inspection \_\_\_\_\_

Progress Inspection \_\_\_\_\_

I certify that the above article/articles are airworthy with respect to the maintenance, preventative maintenance, or alteration performed and are approved for 'Return-To-Service'.

Inspected by: \_\_\_\_\_, Date: \_\_\_\_\_

Repair Station No. 7RKR476D

Final Inspection: \_\_\_\_\_



# AIRCRAFT SPRUCE & SPECIALTY CO.

P.O. BOX 4000 - 225 AIRPORT CIRCLE, CORONA, CA 92878  
CUSTOMER SERVICE (800) 861-3192 FAX(951) 372-0555  
TOLL FREE ORDER LINE (877) 477-7823

1391356  
S JON KRACK  
O PO BOX 2009  
L WHITEFISH, MT 59937  
D  
T  
O

S ROCKY MOUNTAIN AIRCRAFT SERVICES  
HATTN: TOM  
I 4170 US 2  
P  
T KALISPELL, MT 59901  
O 4068716316

NOTE: ANY SHORTAGES MUST BE REPORTED WITHIN 10 DAYS

BACKORDERED PRODUCTS WILL SHIP AS SOON AS AVAILABLE

ORDER NO.		INVOICE NO.		CUST P.O. NO.		SHIP VIA		TERMS		INVOICE DATE	
16654801		3224325				UPS RED		CREDIT CARD		06/13/24	
QUANTITY SHIPPED	BACK ORDERED	DESCRIPTION				PRICE	DISCOUNT	NET PRICE	TAX	EXTENSION	
1		08-17077 SUREFLY SIM6C 6-CYLINDER CONTINENTAL MAG REPLACEMENT SERIAL NUMBERS: 6C-0124016 THANK YOU FOR YOUR ORDER									
SUBTOTAL		TAX		MISC.CHARGE		FREIGHT		PAID WITH ORDER		BALANCE DUE	

JON@JONJEN.COM  
4068716316

## CERTIFICATE OF CONFORMANCE

The products on this invoice have been obtained through authorized manufacturers or distributors and to the best of our knowledge fully meet all applicable specifications. There may be products on this invoice which are not approved for use on FAA type certificated aircraft. Purchaser is responsible for determining suitability of any part purchased from Aircraft Spruce for installation on their certificated or experimental aircraft.

Certified By: Jim Irwin, President

## WAIVER OF LIABILITY & INDEMNIFICATION AGREEMENT

Inasmuch as Aircraft Spruce has no opportunity to supervise the manufacture, installation, or maintenance of the parts supplied by it, nor any opportunity to participate in the design or manufacture of the various certified and homebuilt aircraft in which its parts are utilized, the purchaser by placing this order and accepting merchandise from Aircraft Spruce agrees that all material purchased will be used solely at the purchaser's risk and that the purchaser will indemnify and hold Aircraft Spruce, its owners and employees, free and harmless from loss, liability, or damage resulting from claims brought by reasons of any alleged failure or defect of any part or parts supplied by Aircraft Spruce.



# Rocky Mountain Aircraft Services

A division of Rocky Mountain Avionics, Inc.

Certified Repair Station #7RKR476D

4170 U.S. Hwy 2 East, Box 12

Kalispell, MT 59901

(406) 752-5810 Telephone (406) 756-0420 Fax

Shop Order: SO-15083

Opened: 7/29/2025  
Close Date: 8/07/2025

Sold To: Jon Krack  
PO Box 2009  
Whitefish, MT 59937

Aircraft Number: N437C Type: FIXED WING SNGL-ENG S/N: 0375

Total Time:	3,632.7	Hobbs Time:	3,632.7	Tach Time:	LG Cycles:		
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TCM IO-550-N	917115	2,266.2		PHC-J3YF-1RF	FP2006B	3,632.7

## Squawk: 1

### Problem:

Install Garmin repaired GNS 430.

### Action Taken:

Removed a GNS 430, P/N: 011-01060-45, S/N: 96304805.

Installed a GNS 430, P/N: 011-00280-10, S/N: 97111578.

Completed operational checks for nav 2, com 2, GPS, VOR, ILS systems per AC-43.13-1B Chapter 12 Section 2.

Removed "GNS 430 Approved for VFR only" sticker.

Completed By:	Joshua B Persinger	Approved By:	
Title:	Avionics Manager	Title:	
Certificate #:	7JRK476D	Certificate #:	
Date:	8/07/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, 1 inventory record authenticated.			

Charges This Item: 3.22 Hours @ 150.00 \$ 483.00

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
011-00280-10	GNS 430, Receiver		1.00	Each	2,494.00	\$ 2,494.00
	S/N: 97111578					

Total For This Squawk: \$ 2,977.00

## Squawk: 2

### Problem:

Customer lost noise cancelling in headset, MFD lighting sensor message on MFD and a stuck mike message suddenly just before landing.

### Action Taken:

Removed customer belongings from aft cargo compartment.

Removed cargo compartment carpet and access panel to Stormscope.

Removed Stormscope, checked aft side of diode ground to pin 22 (suppression input) and found no continuity.

Removed RH center console access panel, GNS430, Avidyne, audio panel, pilots knee panel, MFD.

Checked ground from pilot and co-pilot PTT and back to fwd side of diode, no continuity.

Located P/J688 and disconnected. Tested storm scope and found that error had not occurred. Depinned each pin in J688 and



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4170 U.S. Hwy 2 East, Box 12

Kalispell, MT 59901

(406) 752-5810 Telephone (406) 756-0420 Fax

operates properly now. Reinstalled passenger seat.

Completed By:	Joshua B Persinger	Approved By:	
Title:	Avionics Manager	Title:	
Certificate #:	7JRK476D	Certificate #:	
Date:	8/07/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

## Note:

This Squawk is covered under warranty.

Charges This Item:	4.67 Hours @	150.00	\$	N/C
	Labor:		\$	700.50
	SubTotal For This Squawk:		\$	700.50
	Less Warranty Labor:		\$	-700.50
	Total For This Squawk:		\$	N/C

Miscellaneous Charges:	
	Misc Materials: \$ 179.93

Summary:			
Total Parts:	\$	2,494.00	Misc Materials: \$ 179.93
Total Labor - 23.99 Hours:	\$	3,598.50	

Totals:		SubTotal:	\$ 6,272.43
		Less Warranty Labor:	\$ -700.50
		Total Charges:	\$ 5,571.93
		Amount Remaining:	\$ 5,571.93

Preliminary Inspection  
Hidden Damage Inspection  
Progress Inspection

SBP  
P78  
SBP

I certify that the above article/articles are airworthy with respect to the maintenance, preventative maintenance, or alteration performed and are approved for 'Return-To-Service'.

Inspected by: Joshua B Persinger, Date: 8/7/25  
Repair Station No. 7RKR476D  
Final Inspection: Joshua B Persinger



# Rocky Mountain Aircraft Services

A division of Rocky Mountain Avionics, Inc.

Certified Repair Station #7RKR476D

4170 U.S. Hwy 2 East, Box 12

Kalispell, MT 59901

(406) 752-5810 Telephone (406) 756-0420 Fax



Shop Order: SO-14983

Opened: 6/02/2025

Close Date: 6/19/2025

Shop Close Date: 6/19/2025

Sold To: Jon Krack  
PO Box 2009  
Whitefish, MT 59937

Aircraft Number: N437C Type: FIXED WING SNGL-ENG S/N: 0375

Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TCM IO-550-N	917115	2,260.5		PHC-J3YF-1RF	FP2006B	3,627.0

Squawk: 1

## Problem:

Annual Inspection Requested

## Action Taken:

Performed Annual Inspection this date IAW CFR 14 Pt. 43 Appx. D and using Cirrus SR22 Annual checklist as guide. Performed service and lubrication. Removed cowlings, access plates, panels and components as necessary for inspection. Cleaned fuel screens. Performed exhaust pressure leak check, no leaks noted. Serviced and charged battery. Pitot static/transponder IFR recert due 06/2027. Complied with FAR 91.207(d) ELT inspection and function test. ELT battery due 05/2029. Repaired LH FWD engine baffling with new sheet metal. Replaced both MLG tires and tubes with new. Replaced LH 3-1 exhaust collector with new P/N: 15106-001. Performed Adjustment/Test- Forward ball joints per Cirrus SR22 AMM 78-20. Replaced both rod ends on Rudder push pull rod at rudder connect. Replaced all bushings and hardware at NLG pivot with new. Adjusted Elevator cable tensions and Pitch trim bridle cable tension as necessary per Adjustment/Test - Bridle cable tension in SR22 AMM ref 22-11. C/W Surefly ICA's per Surefly SIM6C Installation Instructions Doc. SF1005 Rev. A Dated 03/30/2020. C/W Airwolf Air/Oil separator ICA's per Air Wolf Drawing AFC-W347 pg. 6-7. C/W ICA for Ryan International Traffic Advisory System per document ICA010807C R3. C/W Brackett ICA's per I-194 by replacement of BA-24 filter element. AD 2024-24-11 Upper power lever N/A by Power lever PN installed. ADs checked through Bi-Weekly 2025-11.

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/19/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, no inventory records require authentication.

Charges This Item:

24.00 Hours @	150.00	\$	3,600.00
Total For This Squawk:			\$ 3,600.00

## Squawk: 2

## Problem:

AD 2024-24-11 Upper Power Lever Crack Inspection

## Action Taken:

AD 2024-24-11 Upper power lever N/A by Power lever PN installed.

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/09/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, no inventory records require authentication.

Total For This Squawk: \$ N/C



# Rocky Mountain Aircraft Services

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Kalispell, MT 59901

(406) 752-5810 Telephone (406) 756-0420 Fax

## Squawk: 3

### Problem:

ICA SureFly Ignition System

### Action Taken:

C/W Surefly ICA's per Surefly SIM6C Installation Instructions Doc. SF1005 Rev. A Dated 03/30/2020. Mag timing checked and GVI performed of Magneto, leads, and wiring. No defects noted at this time.

Completed By:	Evan M Schantini	Approved By:	
Title:	RMAS REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/09/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Charges This Item:

0.31 Hours @ 150.00 \$ 46.50

Total For This Squawk: \$ 46.50

## Squawk: 4

### Problem:

ICA AirWolf Air Oil Separator

### Action Taken:

C/W Airwolf Air/Oil separator ICA's per Air Wolf Drawing AFC-W347 pg. 6-7. Catch can cleaned and re-assembled. No defects noted at this time.

Completed By:	Evan M Schantini	Approved By:	
Title:	RMAS REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/09/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Charges This Item:

0.62 Hours @ 150.00 \$ 93.00

Total For This Squawk: \$ 93.00

## Squawk: 5

### Problem:

ICA Ryan International Traffic Advisory System

### Action Taken:

C/W ICA for Ryan International Traffic Advisory System per document ICA010807C R3. No defects noted.

Completed By:	Evan M Schantini	Approved By:	
Title:	RMAS REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/09/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Charges This Item:

0.21 Hours @ 150.00 \$ 31.50

Total For This Squawk: \$ 31.50

## Squawk: 6

### Problem:

ICA Brackett Air Filter

### Action Taken:

C/W Brackett ICA's per I-194 by replacement of BA-24 filter element. NTD- 3727.0 Hobbs or 6/30/2026

Completed By:	Evan M Schantini	Approved By:	
Title:	RMAS REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/09/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, 1 inventory record authenticated.			



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Charges This Item:		0.28 Hours @		150.00	\$	42.00
Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
BA-24	Filter, Air, Element		1.00	Each	23.780	\$ 23.78
					Total For This Squawk:	\$ 65.78

## Squawk: 7

### Problem:

TKS Filter Due

### Action Taken:

Owner Deferred

Completed By:	Evan M Schantini	Approved By:	
Title:	RMA REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/11/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Total For This Squawk: \$ N/C

## Squawk: 8

### Problem:

Left and right MLG fairings missing 2 inch cap

### Action Taken:

Owner Deferred

Completed By:	Evan M Schantini	Approved By:	
Title:	RMA REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/11/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Total For This Squawk: \$ N/C

## Squawk: 9

### Problem:

Upper Cowl - Right air inlet has a hole in composite material

### Action Taken:

Area cleaned. Hole filled with composite filler. Area dressed out and cleaned.

Completed By:	Ben Dalen	Approved By:	
Title:	A&P Technician	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/13/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Charges This Item:	0.37 Hours @	150.00	\$	55.50
				Total For This Squawk: \$ 55.50

## Squawk: 10

### Problem:

Upper cowl chafe strip loose and hanging

### Action Taken:

Chafe strip reattached with 1300L

Completed By:	Ben Dalen	Approved By:	
Title:	A&P Technician	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/13/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			



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Charges This Item:

0.16 Hours @ 150.00 \$ 24.00

Total For This Squawk: \$ 24.00

## Squawk: 11

### Problem:

IFR certification due, Owner/Op requests VFR cert only

### Action Taken:

Performed the Transponder tests IAW FAR 43, Appx. F to comply with 91.413. Transponder checked good. Removed tools and test equipment. Logbook sticker issued.

NOTE: This aircraft has been tested and complied with VFR certifications under FAR 91.413. The FAR 91.411 testing of the altimeter, required every 24 calendar months for IFR operations, were not elected by the customer thereby limiting the flight operations in certain airspace. Please refer to the FAR manual for further information and restrictions.

Completed By: Joshua B Persinger

Title: Avionics Manager

Certificate #: 7JRK476D

Date: 6/17/2025

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Approved By:

Title:

Certificate #:

Date:

Charges This Item:

Flat-Fee Labor: \$ 150.00

Total For This Squawk: \$ 150.00

## Squawk: 12

### Problem:

Main fuel line from gascolator to engine chafing on mixture control bracket.

### Action Taken:

Cut ziptie securing mixture bracket to fuel line. Installed silicone sleeve around fuel line to protect from chafing.

Completed By: Evan M Schantini

Title: RMA REPAIR STATION

Certificate #: 7RKR476D

Date: 6/12/2025

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Approved By:

Title:

Certificate #:

Date:

Charges This Item:

0.28 Hours @ 150.00 \$ 42.00

Total For This Squawk: \$ 42.00

## Squawk: 13

### Problem:

Installation of Right magneto is not documented

### Action Taken:

Replaced in Deer lodge around 3543 Hobbs time. No log entry noted. 500 hr assumed to be due @ 4035-4043 hobbs time.

Completed By: Evan M Schantini

Title: RMA REPAIR STATION

Certificate #: 7RKR476D

Date: 6/09/2025

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Approved By:

Title:

Certificate #:

Date:

Total For This Squawk: \$ N/C

## Squawk: 14

### Problem:

Portable Oxygen bottle is due hydro

### Action Taken:

Owner deferred



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Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/12/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, no inventory records require authentication.

Total For This Squawk: \$ N/C

## Squawk: 15

### Problem:

Rudder/Aileron Interconnect bungee is time due. Optional SB to remove entirely. SB2X-27-18R2. 3 hours.

### Action Taken:

Owner Deferred

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/11/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, no inventory records require authentication.

Total For This Squawk: \$ N/C

## Squawk: 16

### Problem:

Batt 2 is due calendar replacement

### Action Taken:

Owner Deferred

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/11/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, no inventory records require authentication.

Total For This Squawk: \$ N/C

## Squawk: 17

### Problem:

Send #2 GNS 430 out for repair. Weak receiver.

### Action Taken:

Recorded GNS 430 configuration. Removed a Garmin GNS430, P/N: 011-00280-10, S/N: 97111578. Sent component out for repair.

Installed a loaner Garmin GNS430W, P/N: 011-01060-45, S/N: 96304805. Configured loaner unit for the installation.

Completed operational checks for nav 2, com 2, GPS, VOR, ILS systems per AC-43.13-1B Chapter 12 Section 2.

Installed placard in aircraft "GNS 430W APPROVED FOR VFR ONLY"

Charges This Item:

1.50 Hours @ 150.00 \$ 225.00

Freight: \$ 63.12

Total For This Squawk: \$ 288.12

## Squawk: 18

### Problem:

Thermal tape on lower cowl debonded.

### Action Taken:

Owner Deferred



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Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/11/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Total For This Squawk: \$ N/C

## Squawk: 19

### Problem:

Crack in LH FWD baffling expanding beyond stop drill

### Action Taken:

Removed entire front left baffle in order to access cracked bracket. Removed silicone covering on baffle. Drilled out rivets and fabricated new bracket from aluminum. Riveted in place with solid shank rivets. Re-installed silicone covering. Re-installed LH FWD baffle. No further defects noted.

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/18/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Charges This Item:

1.34 Hours @ 150.00 \$ 201.00

Total For This Squawk: \$ 201.00

## Squawk: 20

### Problem:

Throttle cable passthrough at aft baffle worn heavily

### Action Taken:

Grommet replaced

Completed By: Ben Dalen  
Title: A&P Technician  
Certificate #: 7RKR476D  
Date: 6/12/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Charges This Item:

0.27 Hours @ 150.00 \$ 40.50

Total For This Squawk: \$ 40.50

## Squawk: 21

### Problem:

Alt air control cable passthrough at aft baffle worn heavily

### Action Taken:

Grommet replaced

Completed By: Ben Dalen  
Title: A&P Technician  
Certificate #: 7RKR476D  
Date: 6/12/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Charges This Item:

0.38 Hours @ 150.00 \$ 57.00

Total For This Squawk: \$ 57.00

## Squawk: 22

### Problem:

RH MLG Tire Worn through tread on I.B. Edge. LH Tire approaching the same.

### Action Taken:



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Removed both MLG wheel assemblies. Replaced both MLG tires with new 15x6.00x6 tires and new tubes. Balanced wheels. Inflated to 65 psi. Re-installed both MLG wheel assemblies on aircraft. No leaks noted.

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/11/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, 3 inventory records authenticated.

Charges This Item:

1.90 Hours @ 150.00 \$ 285.00

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
097-500-0	15/600-6 MICHELIN AIRSTOP TUBE		2.00	Each	170.260	\$ 340.52
AA4F5	15/600-6 6 Ply, Tubless, (Cirr		1.00	Each	262.080	\$ 262.08
	S/N: NO SN					
AA4F5	15/600-6 6 Ply, Tubless, (Cirr		1.00	Each	262.080	\$ 262.08
	S/N: NO SN PRT					
Total For This Squawk:						\$ 1,149.68

## Squawk: 23

### Problem:

LH Exhaust collector cracked at 3 to 1 junction

### Action Taken:

Removed Exhaust collector from LH exhaust. Removed Cyl 6 exhaust stack. Replaced gasket on cyl 6 exhaust stack and re-installed. Installed new exhaust collector P/N 15106-001 with new springs, bolts, washers and nuts on forward ball joint. Performed Adjustment/Test- Forward ball joints per Cirrus SR22 AMM 78-20. Leak check good.

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/19/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, 1 inventory record authenticated.

Charges This Item:

2.02 Hours @ 150.00 \$ 303.00

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
15106-001	Cirrus Muffler		1.00	Each	942.500	\$ 942.50
	Freight		1.00		275.700	\$ 275.70
Total For This Squawk:						\$ 1,521.20

## Squawk: 24

### Problem:

Both LH Master cylinders continue to leak. Cleaned last year.

### Action Taken:

Owner Deferred

Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/11/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.  
Discrepancy record authenticated, no inventory records require authentication.

Total For This Squawk: \$ N/C

## Squawk: 25

### Problem:

Baggage door seal debonded.

### Action Taken:

Cut out debonded section per owner/op request and installed new section of seal.



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Completed By: Evan M Schantini  
Title: RMAS REPAIR STATION  
Certificate #: 7RKR476D  
Date: 6/18/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Charges This Item:

0.11 Hours @ 150.00 \$ 16.50

Total For This Squawk: \$ 16.50

## Squawk: 26

### Problem:

Rudder rod end has play

### Action Taken:

Rudder pedals blocked. Push/pull rod removed and both rod ends P/N 11315-004 replaced with new. Rod assembly reinstalled. Rudder reconnected, cottered, and checked for correct deflection. Ops check good.

Completed By: Ben Dalen  
Title: A&P Technician  
Certificate #: 7RKR476D  
Date: 6/13/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, 1 inventory record authenticated.

Charges This Item:

1.23 Hours @ 150.00 \$ 184.50

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
11315-004	Rod End		2.00	Each	64.260	\$ 128.52
	Freight		1.00		58.500	\$ 58.50
Total For This Squawk:						\$ 371.52

## Squawk: 27

### Problem:

NLG has play at weldment attach

### Action Taken:

A/C jacked. Nose gear assembly unbolted from aircraft and removed. Old bushings pressed out of aircraft engine mounts. New bushings P/N NAS77-10-013 and NAS 77-8-50 pressed in. Nose gear cleaned, and rear bolts installed with new washers and spacer P/N 13705-003. Assembly removed and reinstalled several times to obtain proper washer spacing and alignment. Bolts torqued, and gear assembly lifted and connected to front shock absorber stackup. Bolts safetied and aircraft lowered from jacks.

Completed By: Ben Dalen  
Title: A&P Technician  
Certificate #: 7RKR476D  
Date: 6/13/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, 7 inventory records authenticated.

Charges This Item:

5.16 Hours @ 150.00 \$ 774.00

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
13705-003	SPACER, Bushing NLG		2.00	Each	0.600	\$ 1.20
AN310-8	Nut		2.00	Each	2.300	\$ 4.60
NAS1149F0832P	Washer		2.00	Each	0.050	\$ 0.10
NAS6608-10D	Bolt		2.00	Each	6.750	\$ 13.50
NAS6608-25D	Bolt		2.00	Each	9.750	\$ 19.50
NAS77-10-013	Bushing		2.00	Each	7.050	\$ 14.10
NAS77-8-050	Bushing		2.00	Each	10.880	\$ 21.76
Total For This Squawk:						\$ 848.76

## Squawk: 28

### Problem:

Pitch servo bridal cable tension low (5 lb)



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## Action Taken:

Removed turnbuckle clips from elevator turnbuckles. Removed AFT bridal cable clamp from pitch servo attach. Adjusted elevator cable tension as necessary. Installed new turnbuckle clips. Applied tension to bridal cables and secured AFT clamp to elevator cable. Verified proper tension of 17 lbs and applied torque stripe. All work performed per Adjustment/Test - Bridal cable tension in SR22 AMM ref 22-11. No further defects noted.

Completed By:	Evan M Schantini	Approved By:	
Title:	RMA REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/18/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Charges This Item:

1.29 Hours @ 150.00 \$ 193.50

Total For This Squawk: \$ 193.50

## Squawk: 29

### Problem:

Pilot side yoke has play in Roll/Aileron Axis.

### Action Taken:

Owner Deferred

Completed By:	Evan M Schantini	Approved By:	
Title:	RMA REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/11/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record authenticated, no inventory records require authentication.			

Total For This Squawk: \$ N/C

## Squawk: 30

### Problem:

Significant amount of time required for removing Owner/Op belongings and Owner/Op installed parts.

### Action Taken:

Removed owners belongings from baggage pit. Removed owner installed wiring as necessary for access during Annual inspection. Removed Owner/Op O2 bottle and components routed by owner. Re-installed all removed parts upon aircraft re-assembly post Annual.

Completed By:	Evan M Schantini	Approved By:	
Title:	RMA REPAIR STATION	Title:	
Certificate #:	7RKR476D	Certificate #:	
Date:	6/13/2025	Date:	
Completed-by signature record authenticated.			
Discrepancy record failed authentication.			

Charges This Item:

0.49 Hours @ 150.00 \$ 73.50

Total For This Squawk: \$ 73.50

## Squawk: 31

### Problem:

uAvionics AV-20 Install

### Action Taken:

Removed dash cover, tapped into pitot static lines from the air speed indicator. De-pined connector from old Davtron instrument and pinned into new instrument capping and stowing unneeded wires.

Removed a Davtron, P/N: 803, S/N: 07184, at the instrument panel, weighing 0.3 lbs. @ arm 119

Installed a uAvionix AV-20, P/N: UAV-1003310-001, S/N: 3001909, at the instrument panel, weighing 0.25 lbs. @ arm 119, IAW UAV-1003613-001 Rev F, and interfaces to existing OAT probe and pitot static lines.

Performed the static system leak test IAW FAR 23.1325 (b)(2)(i).



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Reinstalled dash cover.

System ops checks good.

Completed By: Joshua B Persinger  
Title: Avionics Manager  
Certificate #: 7JRK476D  
Date: 6/17/2025

Approved By:  
Title:  
Certificate #:  
Date:

Completed-by signature record authenticated.

Discrepancy record authenticated, no inventory records require authentication.

Charges This Item:

4.27 Hours @ 150.00 \$ 640.50

Total For This Squawk: \$ 640.50

## Miscellaneous Charges:

Misc Materials: \$ 353.93

## Summary:

Total Parts:	\$	2,034.24	Total Freight:	\$	397.32
Misc Materials:	\$	353.93	Total Labor - 46.19 Hours:	\$	6,928.50
Total Flat-Rate Labor:	\$	150.00			

## Totals:

SubTotal: \$ 9,863.99

Total Charges: \$ 9,863.99

Amount Remaining: \$ 9,863.99

Preliminary Inspection

TL

Hidden Damage Inspection

N/A

Progress Inspection

TL

I certify that the above article/articles are airworthy with respect to the maintenance, preventative maintenance, or alteration performed and are approved for 'Return-To-Service'.

Inspected by: Tom Leggett, Date: 6/19/25

Repair Station No. 7RKR476D

Final Inspection: TL