EMERGENCY BATTERY REPLACEMENT
Affix this label in aircraft logbook

Recommended battery replacement 3 years from date of installation. Order Part No. 9015607 from Mid-Continent Instruments at (800) 821-1212.

Date of Installation: 2 / 1 / 08

CARBON MONOXIDE DETECTOR
LOG BOOK REMINDER

P/N:_____ S/N:_____

Install date: 12/17/[illegible]7

Overhaul Due Date: 5 years from install date
Return to: www.coguardian.com

#1

The Standard

AIRCRAFT LOG

ASA-SA-1

Aircraft Record General Information

Manufacturer Cessna Model 177RG

Serial 177RG1315 Registration Number N5294Y

Date of Manufacture 1978

Engine(s) currently installed:

Manufacturer Lycoming Model IO-360-A1B6D Serial L-18466-51A

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

12-19

YEAR: 2002 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks
TTAF	5441.0				Removed all panels & inspected A.C. in accordance
Tach	541.5				with 14 CFR 43 appendix D. Performed gear
Hobbs	923.5				retract test. Serviced wheel bearings & brakes
					installed New brake shoes. Lubed all flying controls
21 Due NOV. 2003					& hinges. A.D. 87-20-03 R2 Visually inspected nut
					traps & pins. Due next 100hr. AD 93-05-06 open
					circuits of ignition system. Due next 100hr
					Completed 100hr inspection.

TOTAL TIME IN SERVICE	Current Weight and Balance Information			
	Empty Weight	Empty C.G.	Useful Load	Remarks
5153.3				Removed all panels & inspected A.C. I.A.W. an
553.8				by 14CFR app. D. Performed gear retractin
s 935.8				test. Serviced wheel bearings and installed
				New R-H tire, serviced brakes. Lubed all
T Due				pulleys, bellcranks & hinges A.D. 87-22-03 R2
v. 2003				Visually inspected seat tracks & pins Due next 100 hrs
				AD 93-05-06 open rigging & tension switch
				Due next 100 hrs. tension found satisfactory
				9/28/2653

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-2-2003	TAC # 5[illegible].8			- Remove all inspection plates, open Bonds. Repack all wheel bearings, check all fuel lines & Valves. Fuel Caps & Vents, Servos & Brake Battery. Check for leaks park hyd fluid, Servos, gear, all lights, horn, Work flaps check ale Running lights, Check Wiring and test all [illegible] C14 A.D 93-05-06 By operational Check on injector [illegible] C14 A.D 82-20-03R2 By inspecting of Seat Rail Skin and Seat Belts check all A.D's that applies at this time. Aircraft

IN ACCORDANCE WITH [illegible]

AND WAS DETERMINED TO BE IN SERVICEABLE CONDITION

Inspected by [illegible]

1-2-2003

A/C-TT [illegible]

YEAR: 2003 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-02				Removed all panels lubed all controls
Tach	6553.7			serviced plates, & batteries checked
				all lights found A.C. to be satisfactory
	elt			with cfr 91 43 appendix
	Rwk			AD 93-05-06 by operating pilot of
	Nov	2003		ignition switch. AP 87-20-03 R2
				Dual tach inspection.
				43183256 3

1. Approving National Aviation Authority/Country: FAA/UNITED STATES

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: 535058

4. Organization: Cessna Aircraft Company
Cessna Parts Distribution Dept. 702
5800 E Pawnee, Wichita, KS 67218

5. Work Order/Contract/Invoice Number: 297492

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	LATCH	S1359-9	177RG	1	N/A	New

13. Remarks:
AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.

177RG,210,P210

PO# 31611DD

14. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
Steve Wilkey	PC4		
17. Name (Typed or Printed):	**18. Date (m/d/y):**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
STEVE WILKEY, DOA	06/06/2003		

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

Tests, Repairs and Alterations
e, Rating and Certificate Number of Technician or Repair
pecific entries.)

baggage door latch assy. with new p/n
6-1 and adjusted. I certify that I have
etermined to be in an airworthy on this
Hutch

YEAR:

DATE

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				09/15/03 N52944 751.4 Tach 5650.9 A.C.T.T. 100 hour inspection complied with on this date. Inspected cockpit, cabin, fuselage, empennage, wings, control surfaces, pulleys, cables, bellcranks, brakes, electrical system, fuel system, exhaust system, hydraulic system, jacked aircraft and swung gear. Inspected and tested E.L.T. in accordance with FAR 91.207 (d)-battery replacement due 11/03. Complied with AD 87-20-03R2 by visual and measurement inspection-next due at 851.4 hrs. tach or next annual. Complied with AD 02-26-01 in accordance with Lycoming MSB 342D-next due at 851.4 hrs. tach or next annual or in accordance with par. (c) of this AD. Inspection, servicing, and maintenance was done in accordance with Cessna Model 177RG Series Service Manual P/N D2009-4-13. I certify that this aircraft was inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition on this date. Charles Glen Hutchens A&P572869612IA

YEAR: / DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				10/16/03 N52944 767.5 Tach 5667.0 A.C.T.T. Replaced the following items in the nose landing gear door linkages for left and right nose gear doors; (1) P/N 2043042-1 TEE (2 ea.), (2) P/N 21251B3S BARREL (2 ea.), (3) P/N 21252-3LS FORK (2 ea.), (4) P/N MS21253-3RS CLEVIS (2 ea.), (5) P/N MS20392-2C11 CLEVIS PIN (4 ea.), (6) P/N AN42B13 (2 ea.), (7) AN42B10 EYE BOLT (2 ea.), (8) P/N NAS75-3-019 BUSHING (2 ea.), (9) P/N 2043021-7 HINGE (2 ea.), (10) P/N 2013096-1 HINGE HALF (1 ea.), (11) P/N 2103096-2 HINGE HALF (1 ea.). Jacked aircraft and adjusted nose gear doors in accordance with Cessna Model 177RG Series Service Manual P/N D2009-4-13. I certify that in regard to the statement above that this aircraft is approved for return to service. Charles Glen Hutchens A&P572869612IA Charles Glen Hutchens
				11/17/03 781.7 Tach 5681.2 A.C.T.T. Complied with AD 02-12-07 in accordance with Lycoming MSB 543B by installing new oil filter adapter gasket P/N 06B23072, AD 02-12-07 is terminated in accordance with Par. (e). Charles Glen Hutchens A&P572869612IA Charles Glen Hutchens

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				11/28/03 797.0 Tach 5696.5 A.C.T.T. Replaced l/h muffler with muffler overhauled by Aerospace Welding Minneapolis, Inc. P/N 2054000-42, W/O # 68861, using new exhaust gaskets P/N 77611, new clamps P/N 0750161, new bolts P/N AN3C4A, new washers P/N AN960C10L, and new nuts P/N MS21046C3. Replaced 2 engine cowl shock mounts with new P/N J-7444-14. Replaced l/h and r/h main wheel bearings and races with new bearings P/N LM29749 and new races P/N LM29710. Servicing and maintenance was done in accordance with Cessna Model 177RG Series Service Manual P/N D2009-4-13. I certify that in regard to this log entry this aircraft is approved for return to service. Charles Glen Hutchens A&P572869612IA

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				01/02/04 845.8 Tach 5745.3 A.C.T.T. Annual inspection complied with on this date. Inspected cockpit, cabin, fuselage, empennage, wings, control surfaces, pulleys, cables, bellcranks, landing gear, brakes, fuel system, exhaust system, electrical system, vacuum system. Jacked aircraft and performed gear swing and emergency extension. Replaced E.L.T. batteries and tested E.L.T. in accordance with FAR 91.207 (d), next battery replacement due 01/06. Complied with AD 87-20-03R2 seat rail inspection by visual and measurement inspection-next due at 945.8 Tach or next annual. Complied with AD 02-26-01 in accordance with Lycoming MSB 342D-next due at 945.8 Tach, next annual, or in accordance with par. (e) of this AD. Replaced nose wheel bearings and races with new bearings P/N LM67048 and races P/N LM67010. Replaced pitot heat switch with new switch P/N S2160-1. Inspection, servicing, and maintenance was done in accordance with Cessna Model 177RG Series Service Manual P/N D2009-4-13. I certify that this aircraft was inspected in accordance with an annual inspection and was determined to be in an airworthy condition on this date. Charles Glen Hutchens A&P572869612IA

870-534-0588

TOMLINSON AVIONICS INC.

619 C HANGAR ROW
PINE BLUFF, AR 71601

CERTIFIED REPAIR STATION

#YN1R644K

I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED THIS DATE. THE ALTIMETER

S/N #2159 WAS TESTED TO 20K FT. ON 4/29/04.

SIGNATURE Jerry Pennington DATE 4/29/04

I CERTIFY THAT THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED THIS DATE AND FOUND TO COMPLY. TRANSPONDER AT 359
MAKE & MODEL

S/N N/A DATE 4/29/04

SIGNATURE Jerry Pennington

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	[redacted]			
7/12/04	TACH 910.0	AT T. 5809.5		- REMOVED INTERIOR OF A/C. REPLACED ALL ACOUSTIC PANELS EXCEPT HEADLINER, BAGGAGE BULKHEADS, EYEBROW PANELS AND BAGGAGE DOOR OPENING TRIM, PAINTED SIDE PANELS. INSTALLED NEW SOUNDSORB, REPLACED OVERHEAD LIGHT BEZELS. CLEANED CARPET. INSTALLED NEW RT SIDE COWL FLAP HINGE. REPAIRED CRACK IN NOSE GEAR FORWARD DOOR. REPAIRED PROP SIDE DOOR HINGE BY INSTALLING BUSHINGS IN UPPER HINGE. INSTALLED NEW HINGE PINS ON BOTH DOORS. STRIPPED DOOR JAMBS AND INSIDE OF DOORS AND PRIMED AND PAINTED. INSTALLED NEW DOOR SEALS (CESSNA FACTORY). INSTALLED NEW EGT. REPAIRED CHT PROBE. INSTALLED NEW BRAKE SHOES, RIGHT

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				AND PAINTED BRAKE HOUSINGS. CORRODED X'ES FUSELAGE AREA WIRES. INSTALLED & NEW CORD MOUNTS (COWLING MOUNTS). CLEANED CABIN TRIM AND SPAR. REPLACED ORIGINAL VENT TUBING W/ SCAT HOSE. INSTALLED NEW FOAM INSULATION IN OVERHEAD, DOOR PANELS, AND SIDE PANELS. REBUILT COMPASS. INSTALLED NEW STAINLESS SCREWS WHERE NEEDED (INSP. PANELS). INSTALLED NEW LANDING LIGHT BULB. INSTALLED NEW BAGGAGE MATERIAL AROUND O/C COOLER DUCT. REMOVED COOLER, FLUSHED, AND REINSTALLED. INSTALLED NEW BUSHINGS ON FORWARD V.G. DOOR.

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/4/04	TACH READS 9		55.1 TT 5844.6	REMOVED TAILCONE
AND	SEABLATOR, INSTALL NEW			RETAINERS P.N. 1732039-1
AND	PIVOT	30CT	P.N. NAS1306-170	TORQUED UP AND
QA	SEABLATOR. REPAINTED		TAILCONE.	REINSTALLED STRAPS
CK OK.	INSTALLED NEW		STAINLESS	SCREWS ON TAILCONE.
CABLE	LOCKS AR 43698256			

YEAR: 05 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/12/05	98.8	TACH TIME	5881.3	TOTAL TIME. 100 HR INSP PERFORMED THIS DATE. MAIN AND NOSE WHEELS SERVICED. ROTATED MAIN TIRE. REPLACED WHEEL BEARINGS. REPLACED ALL LOCKED WASHERS IN EACH COMPARTMENT TO GEAR DOWN LOCK SWITCH, GEAR SQUAT SWITCH AND LANDING GEAR DOOR. TIGHTENED NOSE GEAR TRUNNION BOLTS. INSTALLED NEW COTTER KEYS. REMOVED ALL PLATES, PANELS FOR ACCESS. CHECK LIGHTS, OK. CW AD. 87-02-022 BY INSTALLATION OF PILOTS OUTBOARD SEAT TRACK AND CO-PILOT INBOARD TRACK. NEXT INSPECTION DUE 4-12-06. INSTALLED NEW BRACKETS AND ALTER. REPLACED AIR BOX. INSTALLED ALL NEW SCAT HOSE IN ENGINE COMPARTMENT. INSTALLED NEW ACF FIRE WIRE, NEW ALTERNATOR

OVER

YEAR: 2005 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				WERE ALT. OUT PUT CABLE, INSTALLED NEW OIL LINES TO OIL COOLER. LS PACKED RH. MUFFLER SEALS.
				[signature] A.P. 4369825
2005 12 April	981.8		5881.3	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. [signature] A&P 4369825 EA
5 TODD	TACH 985.1		INSTALLED TWO RT 485 BNA	
CESSNA	X-PACKED.		NO WT BALANCE CHANGE	

YEAR: 05 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-19-05	TACH	887.0	TT 5888.5 CW LTCOMING SB 565 RE INSPECTION OF FUEL PUMP. N/A DUE TO CODE. A.D 43698254	
9-15-05			NEW RF. BEACON LAMP. TT. A.P 43698254	
9-25-05	INSTALLED		BOTH NEW MAIN GEAR TIRES, AND RF. SIDE TUBE. GOODYEAR FLT SPECIALIST & AND MICHELIN. AIRSTOA TUBE. INSTALLED NEW MAIN AND NOSE GEAR BEARINGS AND RACES. CONT	

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
CONT. FROM PREV. PAGE.				CLEANED, SEALED AND PAINTED
				MAIN GEAR LEGS AND NOSE GEAR DOOR.
				CLEANED WHEELS. INSPECTED NEW FRONT NOSE
				GEAR DOOR BUSHINGS. REPAINTED LOWER COWL.
				A.P. 436888256.

YEAR: | DATE | RTT

Date 5-9-06 N 52944 TACH 1063.0 HOBBS 1485.1

Replaced Vacuum Filters. Replaced ELT Battery. Replaced static wick C592001-0201. Checked Lights. Packed Wheel bearing. Preformed retract

CIWAD 86-19-11 - tank drains
CIWAD 87-20-0372. Seat tracks

ELT Replace date [illegible] 07
ELT Insp + tested + found to comply w/ requirement of FAR 91.207 Para D.

This aircraft has been inspected in accordance with Annual inspection as outlined in Appendix D of FAR part 43 and CESSNA inspection guide and was considered to be in an airworthy condition at this time.

Buddy's Aircraft Service, Inc.
7504 Old Canton Road
Madison, MS 39110

601-856-5020 phone
601-856-7671 Fax

M. H. Bowering
AP 1707558 TA
MH Bowering

...ions
...r of Technician or Repair

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/19/06	1064.0			Removed pilot's door. Replaced upper hinge p.n. 1717002-5, removed existing doubler, duplicated + reinstalled Reinstalled pilot's door. Work done I/A/W 177RG Manual + AC43.13-1B
				M.H. Bow
				A&P 1707558
TOTAL TIME	TACH 1067.1		INSTALLED NEW	
TOTAL TIME	5766.5		SEAT	TRACK ROLLERS, BUSHINGS AND WASHERS ON
			PILOT	AND CO-PILOT SEATS.
				A.P. 4369802

YEAR: 06 DATE	RECORDI TACH TIME
6/09	1068
And	oc

YEAR: 06 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/09	1068.0 TT		5962.4	INSTALLED OVER HAULED ATTITUDE HORIZON.
AND	OVER HAULED	USE.	TEST FLOWN OK.	[illegible] A.P. [illegible]

1. Approving National Aviation Authority/Country: FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

4. Organization Name and Address: CENTURY INSTRUMENT CORP.
4440 SOUTHEAST BOULEVARD
WICHITA, KANSAS 67210
PHONE#. (316)683-7571

5. Work Order/Contract Number: K125[redacted]

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Horizon GYRO	700-4CF	VARIOUS	1	24960	NEWLY OVERHAULED

13. Remarks:

UNIT IDENTIFED WAS OVERHAULED AND TESTED
IN ACCORDANCE WITH MANUFACTURER. OVERHAUL
PROCEDURE BOOK NUMBER HO-06[illegible]

SCALE CORRECTIONS:

ALTIMETER READS	ADD Algebraically	
	Room Temp °C	Low Temp °C
0	0	
500	0	
1000	0	
1500	+10	
2000	0	
3000	+10	
4000	+20	
6000	+20	
8000	+10	
10000	0	
12000	+20	

ALTIMETER NO. H2159

ALTIMETER READS	ADD Algebraically	
	Room Temp °C	Low Temp °C
14000	+20	
16000	+40	
18000	+60	
20000	+110	
22000		
25000		
30000		
35000		
40000		
45000		
50000		

~~AVIATION~~ Monroe Air Center

DATE: 06-21-06

MONROE AIR CENTER FAA APPROVED REPAIR STATION #HLWR727E
MUNICIPAL AIRPORT, MONROE LA

WO# 10453

LA 71203
E

6-21-06

ISPONDER TEST AND INSPECTION
IRED BY FAR 91.413 IAW FAR 43
X "F" HAVE BEEN PEFORMED:
E REPORTING TESTS AND
DNS AS REQUIRED BY **FAR91.411**
R43 APPENDIX "C" HAVE BEEN
ED

ARC

RT-359A S/N 14969

S/N

6-21-06

MONROE AIR CENTER FAA APPROVED REPAI
STATION #HLW2727E
WO# 56176

N52944 Tach 1.3 4895.

SCALE CORRE

ALTIMETER READS	ADD / Room Temp °C
0	0
500	0
1000	0
1500	+10
2000	0
3000	+10
4000	+20
6000	+20
8000	+10
10000	0
12000	+20

~~Lacy~~ AVIATION
Monroe A
MONROE AIR CEN
MUNICIPAL AIRPO

TACH SCALE CORRECTION CARD

Instr. P/N: 2111208-8

Serial No.: 13407

Power Setting	Indication
500 RPM	400
1000 RPM	1000
1500 RPM	1500
2000 RPM	2000
2500 RPM	2500
3000 RPM	3000
3500 RPM	3570

Inspector [illegible] Date 7/5/01

Installed @ 4894.5 T.A.F.

1.

STATES

2.

FAA FORM
AIRWORTHINESS
U.S. Department
Federal Aviatio

ation Rudy Aircraft Instruments
4711 Old Bowman Road Rudy, Arka
CRS# RIZR-316K

cription	8. Part Number	9. Eligibili
UEL PRESSURE	6333	

The work order referenced, prescr
The prescribed work was performed

ts must be accompanied by maintenance history including total

14.

New
Newly Overhauled [X]

Certifies that the new or newly overhauled

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Date: 10-27-2006 **Tach: 1093.3** **Reg. No.:** N52944
Eng. Model: IO-360-A1B6D **Eng. S/N:** L-18466-51A **SMOH:** 000.0
Engine Major Overhaul

Completed engine and propeller installation, this date for the purpose of a major engine overhaul. Serviced engine with 8 quarts of 80w straight mineral oil. Installed new air-filter P/N BA5705. Engine functional and leak test satisfactory. This engine is returned for service. For complete details concerning this installation refer to work order# 4236-07-2006 at this overhaul facility.

Conan Poitra
A&P 467438980

Firewall Forward, Inc.
Loveland, CO 80538

YEAR:

DATE

DATE: 06/15/07 **TACH:** 1093.3 **N:** 52944 **MODEL:** 177RG **S/N:** 177RG1315 **TT:** 5992.8
ENGINE MODEL: IO-360-A1B6D **S/N:** L-18466-51A **TSMOH:** 0.0
PROPELLER MODEL: B2D34C207 **S/N:** 7710290 **TSMOH:** 1227.7

Completed **annual** inspection this date. All aircraft systems and controls inspected IAW FAR 43 App. D and checklist. Lubricated all controls, serviced brake reservoirs and tires. Checked all lights for operation. Installed left fuel quantity sender gasket. Replaced both main landing gear down locks. Resealed both right and left main landing gear uplocks, ops checked good. Replaced both right and left aileron rod ends. Cleaned and checked landing gear selector. Cleaned and dressed nose landing gear actuator arm. Tightened bolt on nose landing gear retraction pivot. Replaced all nose gear door turn buckles, rigged doors and ops checked good. Replaced gear pump motor diode. Replaced tail beacon with LED beacon, ops checked good. Installed HID lights with pulse kit, (see 337s). Pressure lubed mixture and prop cables, ops checked good. Replaced 7 static wick bases and 3 static wicks. Replaced ELT antenna. Repositioned corner of bulkhead to relieve strain and glued with plastic cement. Removed and reinstalled stabilator. Cleaned and lubed right flap bell crank tie rod ends. Repaired alternator field wire. Replaced gascolator o-ring. Secured emergency gear handle knob back onto gear pump. Replaced static ground strap on stabilator. Replaced 2 rudder control tube bolts in guide blocks. Removed corrosion on both gear struts at saddle contact and applied zinc chromate.

Cont next p

YI

Lubed all pivot points on pilot seat height adjustment handle, reinstalled roll pins and secured in place, mechanism ops checks good. Installed all seat belts and shoulder harnesses (see 337) after re-webbing by Beltmaster Corp. Installed VG kit as per manufacturer's install guide (see 337). Installed JPI with options (see 337). Removed and reinstalled MP gage after repair by Tri-County Instruments. Replaced right outboard seat tracks (see 337). Replaced gear saddles and rebuilt down locks. Installed gear mirror (see 337). Re-rigged entire rudder trim and nose wheel steering system. Replaced stab tips. Re-rigged elevator trim after installing stab. Installed Skybolt cowl fastener kit as per manual (see 337). Replaced aircraft battery and cables. Installed exhaust fairing per maintenance specifications (see 337). Replaced compass with vertical card compass (see 337). Removed and replaced throttle cable. Replaced aft fuselage window and both vent windows. Replaced vent window weather seals, rebuilt pilot's window regulator, ops check good. Replaced both brake discs. Rebuilt right brake caliper. Replaced voltage regulator. Fabricated baggage threshold from stainless steel. Replaced baggage door seal and brace. Fabricated new access panels on right and left wings, drilled, dimpled and installed. Replaced nut plates on both wing access panels. Installed Tanis block heater kit. Removed right vertical stabilizer for repair and reinstalled after repair. Installed Roses sun visors (see 337). Balanced and installed all flight controls as per maintenance manual. Installed CV/J4-C in-line vacuum filter (see 337). Replaced dual warning horn control box. Complied with FAR

epair

cont next page

YE

DA

91.207 by inspection and operational check of ELT. Installed new interior using Airtex FAA/PMA materials. Weighed aircraft and amended weight and balance, equipment list and POH. AD's researched through 2007-11. See AD List in rear of this book. GLG

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

Gerald L Gates

BOB GATES AIRCRAFT MAINTENANCE, INC.
5235 Gulf Stream Ct.
Loveland, CO 80538
970-461-9999

Gerald L. Gates A&P 30305831A

CV1J4 Filter Installation Record

(Include With A/C Maintenance Records)

A/C "N" No. N52944 A/C Tach: 1093.0

Engine: ☑ Single ☐ L/H ☐ R/H

Date Installed: 4/4/07 Installed By: GLG

Aerotech component

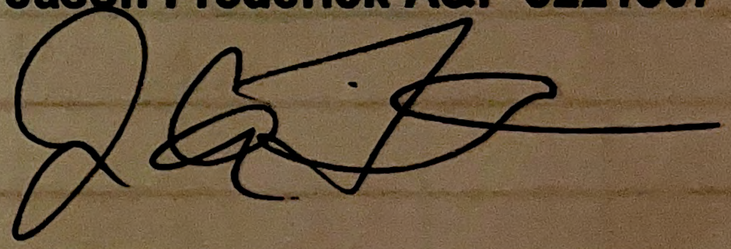
YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE: 09/05/07 **TACH:** 1095.9 **N:** 52944 **MODEL:** 177RG **S/N:** 177RG1315 **TT:** 5995.4
ENGINE MODEL: IO-360-A1B6D **S/N:** L-18466-51A **TSMOH:** 2.6
PROPELLER MODEL: B2D34C207-B **S/N:** 061922 **TT:** 0.0

Replaced cabin heat cable as per manufacturer's maintenance manual, ops checked good.

Bob Gates Aircraft Maintenance, Inc.
5235 Gulf Stream Ct.
Loveland, CO 80538
970-461-9999

Jason Frederick A&P 3221507



Repair

YEAR:

DATE

Work Performed on Cessna 177RG, s/n 177RG1315, N52944, Tach 1095.0, Hobbs 1520.7, on 09-19-2007:

Removed existing Cessna ARC 200A Navomatic autopilot system. Removed existing RC allen RCA11A-8 DG and Mid-Continent 1394T100-1/3 Turn Coordinator. Installed new SigmaTek 1U262-006-4S DG. Installed S-TEC System 30 Autopilot per instructions and drawings in STC kit for Installation Model ST-773 previously approved under STC # SA09300AC-D for Cessna 177RG. Installed S-TEC ST-901 GPSS ARINC 429/RS232 Converter/Interface per instructions and drawings in STC kit for Installation Model ST-901. Checked functionality of autopilot system per instructions in Section III of General Installation Bulletin No. 700, Revision 7, dated 10-24-06, and found satisfactory. FAA/DAS Approved Airplane Flight Manual Supplement and Pilot's Operating Handbook are inserted as part of the required on-board aircraft documents for this aircraft.

Removed the following existing avionics equipment from the center avionics stack (station 75.5): Cessna ARC Audio Panel with Marker Receiver, ARC RT-485B NavCom (#2 radio), King KN 64 DME, and ARC RT-359A transponder. Removed the following existing avionics from the co-pilot instrument panel (station 75.5): NAT AA-80 intercom, ARC R-546E ADF receiver and IN-346A ADF indicator. Removed ARC L-346A ADF antenna (station 95.5) and CI-105 DME antenna (station 84.5) from underside of fuselage (station 95.5). Also removed ADF wire antenna and attach points for upper fuselage.

Fabricated new metal overlays for pilot and co-pilot instrument panels using Alclad 2024T3 (0.063"). Installed King KR 86 ADF in center of co-pilot instrument panel (station 75.5). Unit interfaced to avionics bus via 1 amp 7277 pull type circuit breaker labeled ADF (breaker sub-panel located at bottom of center avionics stack). Installed Mid-Continent 4300 Lifesaver Gyro Electric Attitude Indicator with internal battery at upper left of co-pilot instrument panel. Unit installed IAW manual p/n 9015762 and interfaced to main power bus via 1 amp 7277 pull type circuit breaker labeled STBY ADI (breaker sub-panel located at bottom of center avionics stack). Installed new PS Engineering PMA 8000B Audio Panel with Marker Receiver and stereo intercom. Installed new stereo headset jacks at pilot, co-pilot, and 4 passenger locations. Connected PMA 8000B to existing marker antenna. Interfaced PMA 8000B to GNS 530W (Com1 and Nav1), ARC RT-485B (Com2 and Nav2), KR 86 ADF, and GTX 330 transponder (unswitched audio input). Connected unit to avionics power via existing 5 amp W58 type circuit breaker labelled RADIO 1.

Continued on Next Page

Avionics Specialists, LLC
CRS # YOXR999X
Loveland, CO

Date: 9/19/2007

PJS+LG

Paul J. Stooksbury

(station 117.5) using a doubler plate fabricated IAW mfg specs. Connected GNS 530W to this GA 35 a
to existing Comm and Nav antennas. Interfaced GNS 530W to GTX 330 (see below) via ARINC 429.
530W to PMA 8000B audio panel (Com1 and Nav1). GNS 530W Com connected to avionics po
breaker labeled RADIO 2; GNS 530W Nav connected via 5 amp W53 circuit brea

.7, on 09-19-2007

MA 8000B audio pa
ument panel (#1 CD
tenna on top of fusel

ting TCI SSD 120 altitu
amp W58

Work Performed on Cessna 177RG, s/n 177RG1315, N52944, Tach 1095.0, Hobbs 1520.7, on 09-19-2007:
Continued from Previous Page

Installed a new Garmin GNS 530W WAAS IFR GPS/Nav/Comm immediately under PMA 8000B audio panel in avionics stack. Installed new Garmin GI 106A CDI wth GS at upper right of pilot instrument panel (#1 CDI location) and interfaced this unit to GNS 530W. Installed new Garmin GA 35 WAAS GPS antenna on top of fuselage (station 117.5) using a doubler plate fabricated IAW mfg specs. Connected GNS 530W to this GA 35 antenna and to existing Comm and Nav antennas. Interfaced GNS 530W to GTX 330 (see below) via ARINC 429. Interfaced GNS 530W to PMA 8000B audio panel (Com1 and Nav1). GNS 530W Com connected to avionics power bus via a 5 amp W58 circuit breaker labeled RADIO 2; GNS 530W Nav connected via 5 amp W53 circuit breaker labeled RADIO 3.

Installed new Garmin GTX 330 Mode S transponder. Unit interfaced to existing TCI SSD 120 altitude encoder via gray code and to GNS 530W via ARINC 429. Unit interfaced to avionics power bus via 5 amp W58 circuit breaker labelled RADIO 4. Unit tested and certified IAW FAR 91.413 (see next entry).

Re-located ARC RT-485A NavCom with GS interface (previously #1 radio) to #2 location in center avionics stack

86 mounting tray. Routed cooling hoses from fan to GNS 530W and GTX 330. Unit interfaced to avionics bus via 1 amp 7277 pull type circuit breaker labelled AVX FAN (breaker sub-panel located at bottom of center avionics stack).

Aircraft weight and balance records are amended to reflect the above changes and this aircraft is approved for return to service with respect to this work performed. AvSpec Work Orders #1231 and 1292.

Avionics Specialists, LLC
CRS # YOXR999X
Loveland, CO

Date: 9/19/2007

PJ. Stooksbury
Paul J. Stooksbury

YEAR:
DATE

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

6029.4 TT
41.6 SMOH

Airframe - Cessna
Model – 177RG
N52944

SN – 177RG1315

October 14,2007
Tach – 1134.9

Unscheduled Maintenance

(1) Installed Union Aviation hand Controls IAW STC SA861SO. Fabricated FAA Form 337 this date. Revised Weight & Balance. (2) Removed & replaced Mixture control assembly with new PN 565-580-016. (3) Removed & replaced Propeller control assembly with new PN 345-085-4. Engine controls rigged for operation, lubricated & operationally checked. (4) Removed & replaced MLG wheel covers with new PN 0741048-8 (2). (5) Lubricated fuel cap gaskets and checked for leaks and serviceability. No defects. (6) Checked for correct operation of RH Fuel Qty. Indicator.

Shawn C. Sayle
AP490825188

Cincinnati Avionics Clermont County Airport Batavia, OH 45103 VYTR380B
LOG ID# 1196 17-December-2007 WO# 5219/1
N52944 S/N 177RG1315 CESSNA 177RG

Removed Cessna ARC IN 386A VOR Indicator, R 443B Glideslope, RT 485B Nav/Com, Comant CI 505 Coupler/Diplexer, Davtron M800 Clock, Garmin GNS 530 & GA 56, BendixKing KR 86 ADF & KA 42B ADF Antenna, Mitchell tachometer, and PSEngineering PMA 8000B audio panel. Installed Dual Garmin GNS 430W GPS/WAAS Nav/Com Systems, GDL 69 Data Link Weather System, GMX 200 Multi-function display, & L3 avionics WX 500 remote stormscope system. See FAA forms 337's dated 17 December 2007 on file. Removed & replaced instrument panels. Removed airspeed indicator and sent out for overhaul. Reinstalled unit. Removed manifold pressure gauge & sent out for overhaul. Reinstalled unit. Relocated JPInstruments 711 and JPI OAT probe as requested. Removed existing Ameriking AK-450 ELT and installed Artex ME 406 ELT system. Battery dated February 2013. Removed and replaced altimeter. Performed inspections required by FAR's 91.411 and 91.413 in accordance with FAR 43 Appendixes E and F. No discrepancies noted.

Altimeter	Make: United	Model: 5934P-1A.56	S/N: H3485	to 20,000 ft.
Encoder	Make: TCI	Model: SSD120-30A	S/N: A44973	to 20,000 ft.
Transponder	Make: Garmin	Model: GTX 330	S/N: 84123310.	

Removed existing PSEngineering PMA 8000B Audio Panel, & Mitchell tachometer. Installed Garmin GMA 347 Audio Panel, Horizon P1000 tachometer. See FAA form 337 dated 17 December 2007 on file. Installed handheld antenna adaptor and glideslope coupler. Operational check of the system was performed with no discrepancies noted.

Useful Load: 924.40
Empty Weight: 1875.60
Arm: 104.88
Moment: 196705.08

VYTR380B

For Cincinnati Avionics

ARTEX AIRCRAFT SUPPLIES, INC.
14405 Kell Rd. NE Aurora, OR 97002
(503) 678-7929 800-547-8901

LOG BOOK ENTRY 12/17/2007

E.L.T. BATTERY REPLACEMENT DATE Feb. 2013

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Altimeter Scale Correction Card 12/17/07

Model: 5934P-1A.56 Serial #: H3485

Altimeter Reading	Add Error	Altimeter Reading	Add Error
-1000	0	10000	-50
0	-10	12000	-50
500	+10	14000	-60
1000	-10	16000	-60
1500	0	18000	-70
2000	-10	20000	-70
3000	-10	22000	X
4000	-20	25000	X
6000	-30	30000	X
8000	-40	35000	X

Cincinnati Avionics Form CA-350 (5/98)
FAA CRS VYTR380B - Clermont County Airport
Batavia, Ohio 45103 (513) 735 9595

YEAR: | RECORDING | TODAYS | ----

Cessna 177RG N52944 s/n 177RG1315 6033.59 hrs tach 12-17-07

Fabricate and install a new interior using the following approved materials. Leather: Spinneybeck volo 940 that passes FAR 25.853a. Carpet: Aircraft Interior Products bellaire 580 poppyseed that passes FAR 25.853a. Clean inner cabin skins in preparation for application of zinc chromate. Chromate surfaces and insulate with Astraperf and JM fiberglass which passes FAR 25.853a per Skandia test plan S152227, work order 152227-06. Replace all seat and side panel foam with Skandia flame retardant urethane foam that passes FAR 25.853a. Fabricate four new headrests per FAR 21.303b(2), owner approved parts. Install four new seat stops. Replace six oversized roll pins with AN-4 bolts and AN-4 nylock nuts. Repair cabin heat ducts; reinforce headliner panels with .020" 2024T3 aluminum. Install nut plates in oversized holes in lower windshield cuff. Install LP Aero #329.250 windshield in accordance with LP Aero installation instructions, STC SA00382NY, see 337 this date. Fabricate four new .020" 2024T3 aluminum side panels. Remove original armrests and mounting brackets; fabricate four mounting brackets to accommodate the installation of late-style royalite armrests; all materials meet FAR 25.853a; all sheet metal work as per AC 43-13 1B, chapter 4, section 4, paragraphs 4-53 a, 4-53 b, 4-55 a, 4-55 b, 4-55 c, 4-56 a, 4-56 b (1) (2) (3), 4-57 a (1) (2) (3), 4-57 b, 4-57 c (1) (2), 4-57 e, 4-57 f (1) (2) (3) (5); all non-rivet type fasteners per FAA AC 43-13 1B, chapter 7, section 2, paragraphs 7-15, 7-17, 7-18, section 4, paragraphs 7-63, 7-64 f, g, 7-65 a; to remove the armrests, remove the velcro-mounted armrest pads, then remove the two 8-32 machine screws and lift armrest off its mounting bracket; reinstall in reverse order. Repair and reinforce existing cabin trim as required. Fit and install the following new Plane Plastics trim components: K1715041-2 rear window lower, (cont'd)

(cont'd from previous) two K1715058-16 splices, two K1715058-15 splices, K1715058-1 moulding left, K1715058-2 moulding right, K1715043-1 left door window, K1715043-2 right door window, K1715058-3 left doorpost, K1715058-4 right doorpost, K1715058-5 moulding left, K1715058-6 moulding right, K1715050-1 left vent window, K1715050-2 right vent window, K1715018-9 left forward panel, K1715018-7 right forward panel, K1706044-9 top console, K1715027-6 headliner, K1715027-7 headliner aft, K1715027-3 left trim, K1715027-4 right trim, K2015006-1 moulding, K2013020-14 cover hand pump, K2013065-1 pedestal, K2015015-3 cover lower door, K2015015-4 right cover lower door, K1715043-7 left window, K1715043-8 right window, K1715034-1 left moulding, K1715034-2 right moulding, K1715053-1 aft wall, K2015000-5 trim panel right. Refinish cabin trim components including instrument sub-panel and circuit breaker panel with Dietzler acrylic lacquer and placard as original. Install light rack under glareshield with ten previously approved light sockets with GE #1820 28 volt .10 amp bulbs, seven red and seven white, using #20 astro mil spec wire (MIL-W-22759E); this system is connected to the original glareshield control system through a molex 2-pin plug; light rack is fabricated from .020" 2024T3 aluminum and secured with 14 AN 6-4 PK screws. Electrical work for the above installations performed per AC 43-13-1B, chapter 11, section 3, paragraphs 11-30, 11-31, 11-32, 11-33, 11-37, section 4, paragraphs 11-47, 11-48, 11-49, 11-50 a, 11-51, section 5, paragraphs 11-66 b, c, d (1), fig 11-2, paragraphs 11-67 a, b, d, 11-68 d (1) (2), b (1) (2) (3) (4) (5) (6) (7), section 6, paragraphs 11-76 a, b, 11-77 a, b (2), c, d, e, 11-78, section 7, paragraphs 11-85 a, c, 11-86, table 11-11, section 8, paragraphs 11-96 a, b, c, d, e, f, g, h, j, k, l, n, o, q, r, s, w, aa, bb, cc, dd, ee (1) (2) (3) (4), 11-98 c, d, e, f, I, 11-104, 11-107 a, section 9, paragraphs 11-117 b, 11-118 a, b, c, 11-125, section 10, paragraphs 11-135, 11-137, 11-138, 11-139 a, b (1) (2) (3) (4), c, d, (cont'd)

(cont'd from previous) section 11, paragraphs 11-146 a, b, c, d, 11-147, fig 11-12, 11-13, 11-14. Modify air system for the installation of four previously approved #2541 Wemac air nozzles in headliner, hooked to the original fresh air feed system; these nozzle assemblies are removed by backing them out of their threaded mounting collars and reinstalling in reverse order. Install forward mic and phone jacks in Avionics West flush mounts. Install new S-1501-1 panel lighting selector switch. Repair and reinforce glareshield; upholster with Boltaflex spirit II black vinyl which passes FAR 25.853a. Remove existing pilot and co-pilot BAS shoulder harness/lap belt system; install Cessna diagonal fixed harness/lap belts assemblies fabricated by Aircraft Belts, TSO C-22 or C-114. Reinstall existing aft fixed harness/lap belt assemblies that were re-webbed by Aircraft Belts Inc, WO#77380, TSO C-22 or C-114. Remove old seals and glue from cabin doors, vent window and baggage door, install new seals. Line interior of glove box with GBS macropoint that passes FAR 25.853a. Jack aircraft and perform landing gear retract test with no discrepancy noted. Revise weight & balance as follows:

New empty weight	1903.27 lbs
New useful load	896.73 lbs
New EWCG	104.44 ins
New moment	198773.59 in lbs

Dennis Wolter, AP2153542IA 12·17·07
AIR MOD, 2025 Sporty's Drive, Batavia, OH 45103

YEAR:

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Engine Lycoming
Model – IO-360-A1BD6
N52944

March 15, 2008
Tach – 6058.27

Scheduled Maintenance

Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 8 quarts Aeroshell 15W50 AD oil at owners request. Performed compression test, results as follows; #1) 79/80, #2) 75/80, #3) 73/80, #4) 78/80. Checked & adjusted idle speed & mixture settings. Operationally tested and leak checked engine.

Shawn C. Sayle
AP490825188

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Airframe - Cessna
Model – 177RG
N52944

SN – 177RG1315

March 15, 2008
Tach – 6058.27

Unscheduled Maintenance

Jacked aircraft and removed LH brake swivel assembly. Installed new PN 1280111-1 SN 3Q5. swivel assembly. Bled LH brake. Retraction tested landing gear. Removed VOR antenna assembly. Checked and cleaned minor corrosion from terminal ends to connections. Installed & operationally tested VORs. Re-secured instrument light knob to panel and tightened set screw. Removed Emergency Attitude Gyro PN 4300-411, SN KO6-11284 & installed part supplied by owner, overhauled 4300-411, SN GO6-10485. Operationally tested.

Shawn C. Sayle
AP4908251[illegible]

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	

6/15/2007

A complete strip and paint by Gold Medal Paint Works LLC, Front Range Airport, Watkins, CO.

Cessna 177RG N52944 Tach reading 1083.5

Paint-Akzo Nobel

Colors- Matterhorn White FLNA 4002

Omaha Orange FLNA 20263

Royal Blue FLNA 5230

All flight controls balanced and installed by Bob Gates Aircraft Maintenance, Loveland, CO.

DATE: 03/20/2008
MAKE / MODEL: Cessna 177RG
TACH: 6,073.29
Removed propeller. Installed a new aft
secured propeller. Installed a new e
Ground ran and checked operation of th
Signature:

Schmidt Aviation, Inc. 1020 NW 62 Street, Hangar #6, Ft. Lauderdale, FL 33309
(954) 772-0772 Fax (954) 938-5173 schmidtav@aol.com



1. Approving National Aviation Authority: FAA/UNITED STATES
2. Country: FAA FORM 8130-3
4. Organization Name and Address: Cessna Aircraft C
Cessna Parts Distributio
5800 E Pawnee, Wichit
6. Item: 2
7. Description: GAGE-FUEL
8. Part Number: 6246-00112
13. Remarks: AIRWORTHINESS APPROVAL - PART
14. Certifies the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.
15. Authorized Signature:
16. Approval
17. Name (Typed or Printed): KENNETH E. WYSOCKI SR.,ODARF
18.
It is important to understand that the existence of this document alone
Where the user/installer performs work in accordance with the national
specified in Block 1, it is essential that the user/installer ensures that
authority of the country specified in Block 1
Statements in Blocks 14 and 19 do not constitute installation certificati
accordance with the national regulations by the user/installer before th
FAA Form 8130-3 (6-01) * Installer must cross-check eligi

ITEM: 2
ORDER: 2019181
PN: 6246-00112
SN/LOT: N/A
QTY: 1
U/M: EA
DESC: GAGE-FUEL

Description of Inspection
Entries must be endorsed with Name, Rating and Certificate Number

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

May 16,2008
SN – 177RG1315
ACTT – 6103.71

177RG Maintenance Manual & FAR Part 43 App D checklists for 100 hour
e & flight controls. Performed Landing Gear retraction test and emergency
cted & re-packed with grease. CW FAR 91.207 d ELT inspection.
Flight Manual Supplement & ICA. Fuel filters inspected and cleaned. Air
Bracket PN BA5705 element. Cable tensions checked. CW supplemental
ilter and Pulselite System IAW prospective ICA's in Flight Manual.

YEAR: / DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Con't

Unscheduled Maintenance

Removed & re-installed following repair by mfr. EDM711-4C Engine monitor. Reference 8130-3 dated 05/01/2008. Removed & replaced RH fuel quantity indicator with new PN 6246-00112. Checked operation and calibration. Removed & replaced LH wing # 2 static discharger with new part. Removed & replaced (6) worn flap anti chafe buttons with new PN's S-1093-1.

Airworthiness Directives/Service Bulletins

Reference Compliance data sheets dated this date, May 16, 2008. Checked through current issue.

CW AD –87-20-03R2 Seat Tracks.

I Certify that this **Aircraft** has been inspected in accordance with an **Annual** inspection and was determined to be in an airworthy condition.

Shawn C. Sayle

AP4908251881A

YEAR:

DATE

MAKE: Cessna
MODEL: 177rg
S/N: 177RG1315
REG. NO: N52944
WORK ORDER: 20023

Smyrna Air Center Inc.
Repair Station No. RG4R491M
300 Doug Warpoole Road
Smyna, TN 37167
Phone: (615)459-3337

DATE: 9/5/2008
A/C TSN:
TACH: 6115.54

Airframe Entries

Replaced left and right cowl flaps with new pn:2052011-1 L/H cowl flap, pn:205011-2 R/H cowl flap, four pn:2052012-1 hinge halves, two pn:2052012-3 hinge pins, one pn:2052016-1 L/H cowl flap bracket, one 205016-2 R/H cowl flap bracket and two S2087-1 cowl flap bracket mounts IAW cessna 177RG service Manual. Rigged cowl flaps for proper operation.... Replaced fwd NLG door assembly with new door P/N 2052005-5, new hinge P/N 2052009-1, new pin P/N MS20392-3C63; 2ea new spacers P/N NAS42DD8-12FC, 4 new bearings P/N S1896-4L1, and 2 new rubber bumper stops P/N S1929-1 IAW Cessna 177 service manual. NLG door trimmed to fit.... Replaced fuselage skin just aft of NLG well with new pn:2013000-2 skin IAW cessna service manual.... Replaced lower fuselage skin (2nd from NLG well F.S. 87.75 - 123.58) with new pn:2011000-7 skin IAW cessna service manual.... Replaced bulkhead at F.S. 100.00 with new bulkhead pn:2011006-1. Installed 3ea new nutplates P/N MS1069L08 on bulkhead as required IAW Cessna 177RG service manual.... Replaced Lower fuselage skin between landing gear wheel wells @ F.S.123-58 - 155.50 with new skin pn: 2012020-13, new vent pn:2012081-1, two new pn:NAS464P4A5 bolts and six new pn: NAS464P6A7 bolts IAW Cessna service manual.... Replaced fuselage skin outboard of R/H MLG well with one new pn:2012020-6 skin IAW Cessna 177RG service manual.... Installed new pn:2012070-6 tunnel and new pn:2012073-2 fairing in R/H MLG wheel well IAW cessna 177RG service manual... Replaced tail tie down with new pn:0541115-5 ring, new pn:1912119-1 spacer and new pn:2012118-1 retainer IAW cessna 177RG service manual... Completed landing gear system rigging and adjustment IAW Cessna 177RG service masnual.... Removed and re-installed engine mount, after inspection was completed by Kosola (see serviceable tag 7/3/2008), IAW Cessna 177 service manual... Removed damaged L/H nose landing gear door and replaced with new door P/N 2043021-11 IAW Cessna 177RG service manual.... Replaced L/H belly header tank drain tube with new pn:2000010-87 drain tube and grommet PN: MS35489-11 IAW cessna 177RG service manual. No leaks noted.... Replaced R/H belly header tank drain tube with new pn:2000010-88 drain tube and grommet PN: MS35489-11 IAW cessna 177RG service manual.... Replaced fuselage skin around aft portion of r/h wheel well with new pn:2012020-10 skin IAW cessna 177RG service manual.... Removed and re-installed L/H and R/H fuel header tanks IAW Cessna 177RG service manual. No leaks noted... Removed and re-installed fuel boost pump to FOM of belly repair IAW Cessna 177RG service manual. Operational and leak check normal.... Replaced fuselage skin section between MLG with 0.050" 2024-T3 aluminum (Alodined and primered) IAW Cessna service manual and AC43.13-1b.... Replaced fuselage skin between MLG aft of door post bulkhead with .050" 2024-T3 aluminum sheet. Etching, alodine, and primer installed prior to installation IAW cessna service manual and AC43.13-1b.... Removed and re-installed ELT. Function test complied with FAR 91.207 (d) and Cessna 177RG service manual.... Connected stabilator control cables after fuselage repair; rigging and tension check

YEAR:

DATE

complied with IAW Cessna 177RG service manual.... Replaced all bad seat track rivets on pilot's and copilot's seat tracks IAW Cessna 177 service manual and AC43.43-1B.... Replaced L/H MLG wheel well tunnel with new pn:2012070-5 tunnel IAW cessna 177RG service manual.... Manufactured replacement cowl flap door brace using .032" 2024-t3 aluminum and installed doubler on reinforcement IAW Cessna service manual and AC43.13-1B... Replaced R/H cowl flap door brace with new pn:2052014-2 brace and new reinforcement pn:2052015-1 IAW Cessna 177RG service manual and AC43.13-1B.... Replaced L/H and R/H cowl flap door shock mounts with 2 new mounts P/N S2087-1 IAW Cessna 177RG maintenance manual. Operational and rig check normal... Connected stabilator trim and stabilator cables afterfuselage repair and rigged IAW Cessna 177RG Cessna service manual. Operational check normal.... Installed existing nose landing gear assembly after fuselage IAW cessna 177RG MIM. Rig and operational check complied with IAW Cessna 177RG service manual.... Installed new NLG down and locked switch & established Molex plug on switch harness. Checked operation and found light intermittent. Found Molex connector pins worn on airframe half of Molex plug. Installed new female Molex pins. Set proximity switch and perform gear retraction test; Up & Down. lights function normally. Lubricated gear and installed jerk caps. Accomplished IAW Cessna 177RG service manual... Removed pulled rivets from engine induction airbox and replaced with new rivets P/N MS20470AD-4-4 (x3) and MS20470-5-4 (x1), I/A/W AC43.13-1B... Bled left brake to serviceable pressure IAW Cessna 177RG service manual. Operational check normal. No leaks noted.

Repair

The aircraft and/or component(s) on N52944 was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. RG4R491M under Work Order No. 20023 Dated 9/5/2008

DATE: 9/5/2008 SIGNED:

Michael Miles
Certified Repair Station No. RG4R491M

Work Order: 20023

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Avionics Entries

Installed new DME antenna P/N CI 105 S/N 37459 IAW AC 43.13-2A. System requires ops.check. Ops checked good.... Installed new marker beacon antenna P/N CI 102 S/N 188608 IAW AC 43.13-2A. System requires ops. check. Ops checked good.

The aircraft and/or component(s) on N52944 was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. RG4R491M under Work Order No. 20023 Dated 9/5/2008

DATE: 9/5/2008 SIGNED:

Kevin Webb
Certified Repair Station No. RG4R491M

Work Order: 20023

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations

September 30, 2008
N52944

MAINTENANCE RECORD ENTRY
Cessna 177RG, S/N 177RG1315

Strip and refinish exterior per Akzo Nobel Aerospace Coatings and Sherwin Williams Aerospace Coatings Specifications. Control surface balance check and reinstallation per Maintenance Manual. Placards applied.

G8003 Matterhorn White
F2121 Panther Black Metallic
10650 Pearl Gold
10638 Star Silver

A&P333723494

YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
DATE				

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Airframe - Cessna **N52944** **October 15,2008**
Model – 177RG **SN – 177RG1315**
Tach – 6121.66 **ACTT – 6121.66**

Unscheduled Maintenance

Installed Union Aviation hand Controls IAW STC SA861SO which was removed to facilitate other repairs. Operationally tested brakes & rudder control systems. Adjusted NLG landing gear warning as required & IAW Cessna177RG MM. Serviced NLG strut with nitrogen. Purged Manifold Pressure & Bled Fuel Flow indication tubes due to erratic operation. S-Tec Autopilot Pitch Control Computer removed for repair. Weight & Balance changes are negligible. Panel Labeled to indicate item removed. Removed & replaced fuel strainer drain control with new PN S1523-4 control assembly. Rigged as required & operationally tested. All work performed conducted IAW Cessna 177RG (1978) MM.

Shawn C. Sable
AP490825188

Cincinnati Avionics Clermont County Airport Batavia, OH 45103 VYTR380B

LOG ID# 1411 16-October-2008 WO# 5793/1 Pg 1/1

N52944 S/N 177RG1315 CESSNA 177RG

Model: GDL 69 Part#: 011-00986-00 Serial#: 47705681
ACTION: Complied with Garmin Software Service Bulletin No.: 0742 Rev A. The GDL 69 is now at Software Version 3.20. Operational check of the system was performed with no discrepancies noted.

VYTR380B For Cincinnati Avionics

YEAR:

DATE

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Airframe - Cessna
Model – 177RG
Tach – 6137.46

N52944

November 17,2008
SN – 177RG1315
ACTT – 6137.46

Unscheduled Maintenance

Removed & replaced LH Fuel quantity gage with new PN 6246-00111. Removed & replaced LH wing fuel quantity transmitter with new PN C668050-0101, SN 1110 & gasket PN S1588-2. Sealed fuel access panels using superseded PN U544057S sealant. Checked calibration (indications) for full & empty. Tail navigation lamp assembly removed and connected to aircraft wiring. Operationally tested without defects. Cleaned connections to back of master switch and re-connected. Adjusted hand controls for braking action per customers request. Replaced one upper cowling RH fastener and retaining clip. Serviced tires and lubricated heater control & tie down ring assemblies.

Shawn C. Sayle
AP490825188

YEA

DATE

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

November 07,2008
SN – 177RG1315
ACTT – 6129.18

Airframe - Cessna
Model – 177RG
Tach – 6129.18

Unscheduled Maintenance

Removed pilots side door. Removed & replaced seal, upper and lower clevis pins and door catch clevis pin and upper hinge upper & lower bushings with new parts. Installed door and operationally tested. Lower belly vent scoop previously installed facing forward. Removed and re-installed facing aft as designed to vent cabin. Pitch trim computer removed & re-installed following repair by S-TEC Corporation Certificate # FF2R818K. Reference 8130-3 dated 10/27/08. Operationally tested autopilot as required. STC'd Hand controls adjusted as required at pilot's request. Operationally tested as required. Removed & replaced loose fasteners in lower cowling aft upper section. Removed RH brake caliper . Dissassembled, cleaned, inspected and replaced O Ring seal. Assembled and installed. Bled RH brake system. Operationally tested without defects. All work performed IAW Cessna 177Rg 1978 Maintenance Manual.

Shawn C. Sayle
AP490825188

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Engine Lycoming | **N52944** | **December 16, 2008**
Model – IO-360-A1BD6 | | **SN – L-18466-51A**
Tach – 6150.75 | **ETT – 6150.75** | **ACTT – 6150.75**

Scheduled Maintenance

Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 7 quarts Aeroshell 15W50 AD oil. Operationally tested and leak checked engine.

Airworthiness Directives/Service Bulletins

CW AD -2002-26-01 Fuel Injector Lines – Next due 100 hours.

Shawn C. Sayle
AP490825188

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

December 16,2008
SN – 177RG1315
ACTT – 6150.75

Airframe - Cessna
Model – 177RG
Tach – 6150.75
Unscheduled Maintenance

Removed & replaced RH fuel quantity gauge with serviceable PN 6246-00112. Operationally tested and checked calibration of Full & Empty conditions. No defects noted. Removed & replaced five glareshield white lamps with new lamps.

Shawn C. Sayle
AP490825188

YEAR:

DATE

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Engine Lycoming
Model – IO-360-A1BD6
Tach – 6160.42

N52944

ETT – 6160.42

February 13, 2009
SN – L-18466-51A
ACTT – 6160.42

Airworthiness Directives/Service Bulletins

CW AD -2009-02-03 Fuel Injector Servo Plug Inspection. – Next due 50 hours or each oil change. Initial compliance inspected for looseness. Could not determine PN or type of gasket. Parts on order to replace. Must be replaced by 12/31,2009 or earlier.

Shawn C. Sayle
AP490825188

YEAR:	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency
_____		

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

April 07,2009
SN – 177RG1315
ACTT – 6176.36

Airframe - Cessna
Model – 177RG
Tach – 6176.36

Unscheduled Maintenance

Removed & replaced LMLG & RMLG tires with new Goodyear 15X6.00X6 6 Ply tires PN 156E61-3. Serial # LH is 72990177 & RH 72991597. Service as required and installed. Removed & replaced brake linings (4) with new PN 066-10500 linings.

Shawn C. Sayle
AP490825188

YEAR: ____ DATE	TOTAL TIME IN SERVICE	**Reference of Major Repairs and Major Alterations To** FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

Cincinnati Avionics Clermont County Airport Batavia, OH 45103 VYTR380B
LOG ID# 1510 10-April-2009 WO# 5996/1
N52944 S/N 177RG1315 CESSNA 177RG **Pg 1 / 1**

Model: GNS 430W Part#: 011-01060-40 Serial#: 23403093
ACTION: Complied with Garmin Software Service Bulletin 0848 Rev. A, upgraded Main software to version 3.20 and GPS software to version 3.2.
Model: GNS 430W Part#: 011-01060-40 Serial#: 23403105
ACTION: Complied with Garmin Software Service Bulletin 0848 Rev. A, upgraded Main software to version 3.20 and GPS software to version 3.2.
Model: GDL 69 Part#: 011-00986-00 Serial#: 47705681
ACTION: Complied with Garmin Software Service Bulletin No.: 0852 Rev C. The GDL 69 is now at Software Version 3.30.
Model: GMX 200 Part#: 011-01465-00 Serial#: 38401101
ACTION: Complied with Garmin Software Service Bulletin 0905 Rev. A, software upgraded to version 2.13. Operational check of the system was performed with no discrepancies noted.

VYTR380B For Cincinnati Avionics

YEAR: | TOTAL TIME IN SERVICE | **Reference of Major Repairs and Major Alterations To** FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

DA

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Airframe - Cessna **N52944** **June 11,2009**
Model – 177RG **SN – 177RG1315**
Tach – 6206.94 **ACTT – 6206.94**

Scheduled Maintenance

Inspected aircraft IAW Cessna 177RG Maintenance Manual & FAR Part 43 App D checklists for 100 hour items. Lubricated aircraft, engine & flight controls. Performed Landing Gear retraction test and emergency extension. Wheel bearings inspected & re-packed with grease. CW FAR 91.207 d ELT inspection. Inspected ELT installation IAW Flight Manual Supplement & ICA. ELT replacement date is February 2013. Fuel filters inspected and cleaned. Air filter element replaced with new Bracket PN BA5705 element. Cable tensions checked. CW supplemental inspections on CV1J4-C Inline Filter and Pulselite System IAW prospective ICA's in Flight Manual.

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Unscheduled Maintenance

Removed & replaced pilots side & co-pilots side seat belts with customer supplied, new, TSO'd seat belt assemblies. Tightened spar rivets, 10 rivets each LH & RH side just outboard of wing root on front spar which were streaking. Inspected without any further defects. Touched up paint as required. Rigged flap control system. Treated internal wing minor surface corrosion with ACF-50. Replaced fuel servo gasket with PMA'd Kelley Aerospace gasket PNCF365533. Removed & replaced NLG door aft clevis with new PN AN161-16LS. Safetied and rigged during gear retractions. S-TEC 30 Pitch computer re-installed following inspection by Mfr. Operationally tested in all modes without defects.

Airworthiness Directives/Service Bulletins

Reference Compliance data sheets dated this date, June 10, 2009. Checked through current issue.

CW AD 87-20-03R2 Seat Tracks b inspection.

CW AD2009-02-03 Fuel Servo Plug by gasket replacement.

I Certify that this **Aircraft** has been inspected in accordance with an **Annual** inspection and was determined to be in an airworthy condition.

Shawn C. Sayle

AP4908251881A

YEAR:	A.D.	TOTAL	Airworthiness Directives
			Chronological Listing of Compliance and Method of Compliance

DAT

Logbook Entry

Date 9 SEPT 2009 Make CESSNA 172RG N# 52944

Complied with Garmin Software Service Bulletin # 0918; 400W/500W Series Unit's Software Upgrade to Main Software Version 3.30. Replaced the existing AFMS with Rev. B AFMS. Added the GNS 400W/500W Series SW v3.30 Upgrade Supplement to the Pilots Guide.

The aircraft and/or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and is approved for return to service for the work performed.

Pertinent details of this repair are on file at this Repair Station under Work Order 09-1200

J Buck

John P. Buck Cert # 2337928

For Ron Collins Aviation Electronics LLC 2158 State Route 136W Henderson, KY. 42420

Phone (270)827-1161 FAX (270)827-1164 CRS No. PG2R082L

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Airframe - Cessna **N52944** **September 10,2009**
Model – 177RG **SN – 177RG1315**
Tach – 6232.79 **ACTT – 6232.79**

Unscheduled Maintenance

Disassembled Pilots side MED and re-rigged door handle to position correctly. Re-rigged upper door pin and door to close with ease and correctly latch in upper and aft positions. Installed required spacer under pilots side vent window handle and operationally tested for ease of control and proper operation. Door re-assembled and checked. Repaired wiring to Altitude Hold pitch computer and operationally tested in all autopilot modes for correct operation of altitude hold. Checked smoking rivets on LH 7 RH lower inboard wings IAW limits and procedures of Cessna Single Engine SIRM and technical support. No clearance noted (.002' feeler gauge) noted. Wing fittings secure and not loose. Considered replacement of MS20470AD5-7 rivets with alternate fasteners. Results from MFR pending. No airworthiness issues noted at this time. Serviced tire pressures as required. Cleaned plugged RH fuel vent line. Checked fuel vent system for LH & RH wings. No further defects noted. Removed & replaced taxi lamp with new lamp.

Airworthiness Directives/ Service Bulletins

CW Cessna **SB # SEB09-6 Switches** by replacement of Taxi, Landing, & Beacon light switches with new switches this date. Next due for replacement is 9/10/2013.

Shawn C. Sayle
AP490825188