

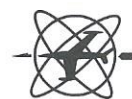


The Standard

AIRCRAFT LOG

ASA-SA-1

Book 3



The Standard

AIRCRAFT LOG

ASA-SA-1

Book-III (3)

Aircraft Record General Information

Manufacturer Cessna Model C-177-RG

Serial 177RG1297 Registration Number NS2878

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer Lycoming Model IO-360-A1B60 Serial RL-25822-S1A

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer McCauley Model B2D34C207B

HUB Model _____ Serial 071546 Serial _____

Blade Model _____ Serial AB126227 Serial AB126228 Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Registered Owner Record

Name Angelo A. Petropolis Address 2032 Town and Country Drive
City Sierra Vista State AZ From 1/2006 To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

[illegible]

YEAR: <u>2012</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description Entries must be Facility. (See b
DATE <u>2/29</u>	<u>4412.3</u>		<u>4412.3</u>	
<u>UNITED 5934P-1 S/N L</u> <u>AMERI-KING AK-350 S/N</u> I CERTIFY THAT THE ALTIMETER AND ABOVE HAVE BEEN CHECKED PER F.A.R. THAT THEY COMPLY WITH ALL REQUIREMENTS APPENDIX E, AND ARE APPROVED FOR UNDER WORK ORDER # <u>1992</u> . MAX ALTITUDE: <u>29000</u> FT. DATE COMPLETED: <u>2/28/12</u> NEXT CHECK AUTHORIZED SIGNATURE <u>Alvin L.</u>				
SOUTHWEST AEROTECH 1800A AIRPORT AVE SIERRA VISTA, AZ 855 FAA CERTIFIED REPAIR STATION PHONE: 520-459-3640 FAX: 520-				

YEAR: 2012	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				
2/29	4412.3		4412.3	
<p>UNITED 5934P-1 S/N L 6616</p> <p>AMERI-KING AK-350 S/N 3514232</p> <p>I CERTIFY THAT THE ALTIMETER AND ENCODER IDENTIFIED ABOVE HAVE BEEN CHECKED PER F.A.R. 91.411 AND FOUND THAT THEY COMPLY WITH ALL REQUIREMENTS OF F.A.R. 43 APPENDIX E, AND ARE APPROVED FOR RETURN TO SERVICE UNDER WORK ORDER # 1992.</p> <p>MAX ALTITUDE: 20000 FT.</p> <p>DATE COMPLETED: 2/28/12 NEXT CHECK DUE: 02/2014.</p> <p>AUTHORIZED SIGNATURE <u>Alvin L. Brown</u> FOR:</p>				
<p>SOUTHWEST AEROTECH 1800A AIRPORT AVE SIERRA VISTA, AZ 85635 FAA CERTIFIED REPAIR STATION W8ER629Y PHONE: 520-459-3640 FAX: 520-459-3647</p>				

Technician or Repair

YEAR: 2012	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 5/15	4427.3		4427.3	

Date: 05/15/2012

Tach: 4427.3

Installed Main SW v3.30 in existing Garmin GNS430W unit, S/N 96305401
in accordance with Garmin Software Service Bulletin NO.: 0918. Installed
GPS SW v3.2 in existing Garmin GNS430W unit, S/N 96305401 in accordance
with Garmin Software Service Bulletin NO.: 0848 Rev A. All work accomplished
under and recorded on W.O.# 2029 on file at this repair station.

Authorized Signature: Alvin L. Brown 

Southwest AeroTech

1800A Airport Ave.

Sierra Vista, AZ 85635

FAA Certified Repair Station W8ER629Y

Ph: 520-459-3640 Fax: 520-459-3647

YEAR: 2012	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.)
5/15	4427.3		4427.3	

Date: 05/15/2012

Tach: 4427.3

Installed VoiceFlight VFS101 Speech Recognition Module in accordance with VoiceFlight systems STC Number SA02717NY. Aircraft is on the FAA Approved Model List (AML) for this STC. Unit was interfaced with existing Garmin GNS430W GPS unit and existing PS Engineering PMA7000M-6 Audio Panel per VoiceFlight VFS101 Installation Instructions, Manual #VFS101-INSISTR2, Revision C. Unit is powered from a 1 Amp fuse off of the avionics buss located under the R/H instrument panel and a switch located at the bottom of the center radio stack. Activation switch (VAS) is located on a panel below the center radio stack along with a USB jack for programming the unit. Unit ramp checked for proper operation. OK. All work accomplished under and recorded on WO #2029 on file at this repair station and FAA Form 337 recorded this date. Aircraft equipment list and Weight & Balance updated.

Authorized Signature: Alvin L. Brown

Alvin L. Brown

Southwest AeroTech

1800A Airport Ave.

Sierra Vista, AZ 85635

FAA Certified Repair Station W8ER629Y

Ph: 520-459-3640 Fax: 520-459-3647

YEAR:

DATE

Sierra Vista Aviation Services, LLC

4535 Via Viento

Sierra Vista, AZ 85635

520-22-1759

svas@cox.net

N52878 Cessna 177RG S/N 177RG1297
09/01/2012 Tach: 4443.7

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT battery **next due FEB 13**. ELT checked for "G" switch function and signal strength. Control surface travels and tensions checked. Landing gear retraction test performed satisfactorily. Nose gear rigging checked and adjusted eccentric bushing for proper tension. Replaced vacuum pump foam filter with P/N RA B3-5-1. Fuel strainer removed, cleaned, inspected and reinstalled using new o-rings. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 by operation. A.D. biweeklies checked thru this date.
I CERTIFY THAT THIS **AIRCRAFT** HAS BEEN INSPECTED IN

180-555-1111

ician or Repair

12/11

YEAR: _____
DATE _____

4535 Via Viento
 Terra Vista, AZ 85635
 520-22-1759
svas@cox.net

**N52878 Cessna 177RG S/N 177RG1297
09/01/2012 Tach: 4443.7**

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT battery **next due FEB 13**. ELT checked for "G" switch function and signal strength. Control surface travels and tensions checked. Landing gear retraction test performed satisfactorily. Nose gear rigging checked and adjusted eccentric bushing for proper tension. Replaced vacuum pump foam filter with P/N RA B3-5-1. Fuel strainer removed, cleaned, inspected and reinstalled using new o-rings. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 by operation. A.D. biweeklyies checked thru this date.

I CERTIFY THAT THIS **AIRCRAFT** HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL** INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Barrell R. Noble JA35-3171



Alterations

e Number of Technician or Repair

[illegible]

YEAR: 2012	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				
10/10	4459.0		4459.0	<p>Date: 10/10/2012 Tach: 4459.0</p> <p>Repaired wiring to instrument panel post lights to restore operation. Repaired alternator field lead to voltage regulator. Wire was shorting and tripping field circuit breaker. All work accomplished under and recorded on W.O.# 2105 on file at this repair station.</p> <p>Authorized Signature: Alvin L. Brown <i>Alvin L. Brown</i></p> <p>Southwest AeroTech 1800A Airport Ave. Sierra Vista, AZ 85635</p> <p>FAA Certified Repair Station W8ER629Y Ph: 520-459-3640 Fax: 520-459-3647</p>
11/30	4556.0		4556.0	<p><u>ELT Battery Replacement</u></p> <p>ELT battery replaced with M.E.R.L. P/N BP-1020 Function Test satisfactory. Due next 11/2014 <i>Consolidated Pilot # 2209074</i></p>

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description Entries must be Facility. (S
DATE				
12/02/2012				<p>ELT checked for corrosion, signal strength operation. Inspected ELT battery replacement owner/operator, next due NOV 2014. Darrell R. Noble A&P3513074 <i>Darrell</i></p>

1020)
2204074

[illegible]

Sierra Vista Aviation Services, LLC
4535 Via Viento
Sierra Vista, AZ 85635
520-22-1759
svas@cox.net

N52878 Cessna 177RG S/N 177RG1297
09/19/2013 Tach & TTIS: 4508.7

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT battery **next due NOV 14**. ELT checked for "G" switch function and signal strength. Control surface travels and tensions checked. Landing gear retraction test performed satisfactorily. Replaced vacuum pump foam filter with P/N RA B3-5-1. Induction air filter element serviced by owner/operator. Fuel strainer removed, cleaned, inspected and reinstalled using new o-rings. Serviced aircraft battery. Owner/operator replaced door seals. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 by operation. A.D. biweeklies checked thru this date. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Darrell R. Noble IA3513071



nd Alterations

ificate Number of Technician or Repair

[illegible]

Repair

YEAR: 2014	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 2/21/14	4523.7			<p style="text-align: center;">N-52878</p> <p style="text-align: center;">F.A.R. Part 91.413 Certification. The transponder system(s) were tested as installed and found to comply with Appendix F of Part 43. Tucson Aeroservice Center, Inc. 11700 W. Avra Valley Road #87 Marana, Arizona 85653 FAA CRS # YXCR399X</p> <p>Signed <u>[Signature]</u> Date <u>2-21-14</u></p>

CORRECTION CARD

FAR 91.411 PART 43 APPENDIX E

ALTIMETER SCALE CORRECTION CARD N- <u>52878</u>	PILOT <input checked="" type="checkbox"/>	ALTIMETER MAKE <u>AS installed</u>
	CO-PILOT <input type="checkbox"/>	PART NUMBER SERIAL NUMBER <u>11</u>
STANDARD ALTITUDE (FT.)	ALTIMETER READING	STANDARD ALTITUDE (FT.)
-1000	<u>-1000</u>	
0	<u>0</u>	14000 <u>13920</u>
500	<u>500</u>	16000 <u>15920</u>
1000	<u>1000</u>	18000 <u>17920</u>
1500	<u>1500</u>	20000
2000	<u>1990</u>	22000
3000	<u>2980</u>	25000
4000	<u>3975</u>	30000
6000	<u>5960</u>	35000
8000	<u>7950</u>	40000
10000	<u>9945</u>	45000
12000	<u>11925</u>	50000
DATE: <u>2-21-14</u>	TESTED BY: <u>[Signature]</u>	

10/16/2014 Tach & TTIS: 4563.4

Inspected aircraft using the Cessna Service Manual checklist as a guide.
Lubed all pulleys and bellcranks. ELT battery **next due NOV 14**. ELT
checked for "G" switch function and signal strength. Control surface
travels and tensions checked. Landing gear retraction test performed
satisfactorily. Replaced vacuum pump foam filter with P/N RA B3-5-1.
Induction air filter element serviced. Fuel strainer removed, cleaned,
inspected and reinstalled using new o-rings. Replaced aircraft battery
new Gil S/N G02841442. Owner/operator replaced gear motor diode
1270717-1. Complied with the following A.D.s: 72-03-03R3 by inspect
and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 b
operation. A.D. biweeklies checked thru this date. I CERTIFY THAT TH
AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL
INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY
CONDITION.

Darrell R. Noble
Darrell R. Noble IA3513071

repair

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

10/16/2014 Tach & TTIS: 4563.4

Inspected aircraft using the Cessna Service Manual checklist as a guide.

Lubed all pulleys and bellcranks. ELT battery **next due NOV 14**. ELT

checked for "G" switch function and signal strength. Control surface

travels and tensions checked. Landing gear retraction test performed

satisfactorily. Replaced vacuum pump foam filter with P/N RA B3-5-1.

Induction air filter element serviced. Fuel strainer removed, cleaned,

inspected and reinstalled using new o-rings. Replaced aircraft battery with

new Gil S/N G02841442. Owner/operator replaced gear motor diode p/n

1270717-1. Complied with the following A.D.s: 72-03-03R3 by inspection

and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 by

operation. A.D. biweeklies checked thru this date. I CERTIFY THAT THIS

AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL

INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY

CONDITION.

Darrell R. Noble

Darrell R. Noble IA3513071

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.)
10/24/14	4571.9		4571.9	Dynamic Balance Props to .05 I.P.S R ^{2796Y43} _{ATP}
11/21/14	4573.8		4573.8	ELT battery replaced with M.E.R.L. P/N BP-1020 ELT checked for corrosion & 6 seconds operation signal test, satisfactory - next due NOV 2016 Angel QX ^{and Pilot} _{#3204074}
3/13/15			4584.0	Replaced both main landing gear tires new with 2 Goodyear FLT Custom III (15x6.0-6) and Michelin Airstop tubes (15-6.0-6); replaced nose gear tire with new Goodyear FLT Special (500-5) and new Michelin Airstop tube (500-5) TR67 - per Cessna maintenance manual instructions - Angel Q. Rodriguez owner/pilot #3204074 Angelo A. Petropalis

[illegible]

074

No Entries

Sierra Vista Aviation Services, LLC
4535 Via Viento
Sierra Vista, AZ 85635
520-22-1759
svas@cox.net

**N52878 Cessna 177RG S/N 177RG1297
12/12/2015 Tach & TTIS: 4637**

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT checked for corrosion, "G" switch function and signal strength. ELT battery **next due NOV 16**. Control surface travels and tensions checked. Main gear actuator removed for seal replacement by owner/operator. Reinstalled main gear actuator using new hoses. Landing gear retraction test performed satisfactorily. Serviced hydraulic power pack with fluid. Replaced vacuum pump foam filter with P/N RA B3-5-1. Induction air filter element serviced by owner/operator. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 by operation. A.D. biweeklies checked thru this date.

I I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Darrell R. Noble IA351307




Alterations

ite Number of Technician or Repair

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Descript Entries m
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12/12/2015 Tach & TTIS: 4637

Additional work performed during annual inspection. L/H brake cylinder replaced with serviceable unit C-30018-5 using new o-ring P/N MS28775-224, and new AE3664056B0060 Hose Assembly. L/H brake and serviced with hydraulic fluid. Installed InAir I Lift Reserve Indicator in accordance with manufacturer's instructions. Owner/operator completed glare shield rivnut fastener on glare shield as well as line routing. Probe access cover assembly trimmed to fit existing hole on outer section of wing near pitot head assembly. Access cover (LRI access) tinnerman type fasteners, nutplates and corrosion resistant screws. LRI manufacturer's instructions state the calibration of this unit is the responsibility of the owner/operator. Weight and balance dated 12/12/2015 to be used as equipment list reference.

Dated 12/12/2015 to be used as equipment

 Darrell R. Noble IA3513071

n or Repair

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations (Entries must be ordered by Time, Rating and Certificate Number of Technician or Repair specific entries.)
				<p>12/12/2015 Tach & TTIS: 4637</p> <p>Additional work performed during annual inspection dated above: L/H brake cylinder replaced with serviceable unit - McCauley P/N C-30018-5 using new o-ring P/N MS28775-224, AN914-1D fitting and new AE3664056B0060 Hose Assembly. L/H brake system bled and serviced with hydraulic fluid. Installed InAir Instruments LLC Lift Reserve Indicator in accordance with manufacturer's instructions. Owner/operator completed glare shield passage and rivnut fastener on glare shield as well as line routing in cockpit. Probe access cover assembly trimmed to fit existing access panel on outer section of wing near pitot head assembly. Replaced access cover (LRI access) tinnerman type fasteners with no. 6 nutplates and corrosion resistant screws. LRI manufacturer's instructions state the calibration of this unit is the sole responsibility of the owner/operator. Weight and Balance Revision dated 12/12/2015 to be used as equipment list revision data.</p> <p><i>Darrell R. Noble</i> Darrell R. Noble IA3513071</p>

YEAR: <u>2016</u>	RECORDING TACH TIME <u>4644.8</u>	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.)
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TACH: 4644.8 ALTIMETER SCALE ERROR

W/O# B391 Customer: N52878
Part# 5934 P-1 Serial# L6616

Altimeter Pressure

Test PT (FT)	Indicator readings at + 25 c	Test PT (FT)	Indicator readings at + 25 c	Test PT (FT)	Indicator readings at + 25 c
-1,000	-980	8,000	7970	30,000	
0	000	10,000	9950	35,000	
500	500	12,000	11950	40,000	
1,000	1000	14,000	13955	45,000	
1,500	1500	16,000	15980	50,000	
2,000	2000	18,000	18000	55,000	
3,000	3000	20,000	20,020	60,000	
4,000	3990	22,000		70,000	
6,000	5990	25,000		80,000	

SONORA AVIONICS INC.

FAA C.R.S. NYRR723K

☒ ALTIMETER MODEL 5934P-1
S/N L6616 CERTIFIED TO 20,000
FT. PER FAR PART 43 APPENDIX E
THIS DATE: 2/12/16

☒ ENCODER MODEL AK350
S/N 3514232 MATCHED TO
ALTIMETER S/N L6616 TO
20,000 FT THIS DATE: 2/12/16

☒ AIRCRAFT STATIC SYSTEM HAS BEEN TESTED
AND FOUND TO COMPLY WITH FAR (a) APPENDIX
E FAR PART 43 THIS DATE 2/12/16

☐ TRANSPONDER MODEL: GTX330
S/N _____ MEETS OR EXCEEDS
REQUIREMENTS OF FAR PART 43 APPENDIX F.
THIS DATE 2/12/16

SIGNED: [Signature] FOR
SONORA AVIONICS INC. FAA C.R.S. NYRR723K

YEAR: <u>2016</u>	RECORDING TACH TIME <u>4654.9</u>	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description Entries must be Facility. (See
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DATE

5/12

4654.9

05/12/2016
Replaced
aileron (2)
and outbo
Darrell R.

6/9

4671.1

F.A.R. Part 91
The transponder system
and found to comply

Tucson Aero
11700 W. A

Marana
FAA C.R.S.

Signed [Signature]

**FOR
YRR723K**

YEAR: 2016	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE 5/12	4654.9			<p>05/12/2016</p> <p>Replaced static dischargers on R/H aileron (2 each), rudder (21 each), and outboard tips of the stabilator.</p> <p>Darrell R. Noble ASD 3513071</p>
6/9	4671.1			<p>N-52878</p> <p>F.A.R. Part 91.413 Certification.</p> <p>The transponder system(s) were tested as installed and found to comply with Appendix F of Part 43.</p> <p>Tucson Aeroservice Center, Inc.</p> <p>11700 W. Avra Valley Road #87</p> <p>Marana, Arizona 85653</p> <p>FAA CRS # YXCR399X</p> <p>Signed <u>FDW Stalk</u> Date <u>6-9-16</u></p>

YEAR:

DATE

TUCSON AEROSERVICE CENTER

Tucson Aeroservice Inc.
11700 West Avra Valley Rd. #87
Marana, Arizona 85653 FAA CRS YXCR399X

N52878
CESSNA 177RG S/N 177RG1297

- 1) TROUBLESHOOT THE AUTOPILOT NAV FUNCTION, REMOVED THE HSI NSD360A P/N 52D136-1333, S/N 14299A FOR OUTSIDE TEST/OVHL. REINSTALLED THE OVHL'D UNIT AND FUNCTIONAL TEST.
- 2) UPDATED THE GNS430W GPS TO MAIN SW 5.3 AND GPS SW 5.0 PER GARMIN SB 1606 REV-A AND STC SB 1618 REV-A AND TEST.
- 3) REMOVED THE GTX330 TRANSPONDER P/N 011-00455-00, S/N 84100161 FOR FACTORY UPGRADE TO GTX330 "ES". INSTALLED THE UPGRADED TRANSPONDER P/N 011-00455-60, S/N 84100161 PER GARMIN STC SA01714WI AML. REFERENCE FAA FORM 337 FOR ADDITIONAL INFORMATION.

DATE: JUNE 9, 2016

SIGNED:



TACH: 4671.1 WO# AV-16-7523

YEAR:

RECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
TIME IN
SERVICE

2016

DATE

6/13

4671.8

A/C

DATE

06/13

Insta

CV1

insta

show

Darrell

3

[illegible]

CV1J4 FILTER INSTALLATION RECORD

(INCLUDE WITH A/C MAINTENANCE RECORDS)

A/C "N" No. 52878 A/C TACH: 4671.8

ENGINE: ☒ SINGLE ☐ L/H ☐ R/H

DATE INSTALLED: 06/13/16 INSTALLED BY: D. Noble

FAA-PMA

SER No. 003994

AEROTECH COMPONENTS

06/13/2016 Tach: 46718

Installed Aerotech Components, Inc. Inline Air Filter Kit P/N CV1J4-C serial number 003994. Installed in accordance with installation instructions and STC #SA475CH. Functional test shows satisfactory operation.

Darrell R. Noble A&P 3513071

or Repair

[illegible]

01/16/2017 Tach & TTIS: 4730
inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT checked for "G" switch function and signal strength. ELT battery replaced by owner/operator. Control surface travels and tensions checked. Cleaned, inspected and regreased all main gear bearings. Replaced all brake linings with P/N RA066-30026. Replaced L/H nose gear door bracket rivets. Replaced nose gear door bushings P/N S1896-4L. Landing gear retraction test performed satisfactorily. Replaced vacuum pump foam filter with P/N RA B3-5-1. Induction air filter element serviced by owner/operator using new CP-1504 gasket. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings and gasket. Performed wing spar inspection I/A/W SEL-57-03 with no cracks found. Performed Lift Reserve Indicator ICA inspection with no defects noted. Inspected owner/operator installed post light P/N S1899-8G on LRI. Replaced cowl flap cables P/N MCS1391-27. Alternator brush assembly replaced with new unit. Inspected and pressure tested fuel selector valve after reseal by owner/operator with no leaks noted. McFarlane seal kit used in fuel valve reseal. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 by inspection and measurement; 76-07-12 R1 by operation. A.D. biweeklies checked thru this date. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL** INSPECTION AND HAS BEEN DETERMINED TO BE **WORTHY** CONDITION.

DETERMINED TO BE IN AN AIRWORTHY CONDITION
Darrell R. Noble
 Darrell R. Noble IA3513071

Inspections, Tests, Repairs and Alterations

ed with Name, Rating and Certificate Number of Technician or Repair
as for other specific entries.)

[illegible]

and Certificate Number of Technician or Repair
(S.)

YEAR: 2017 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.)
5/6	4748.7	/	4748.7	Replaced faulty engine instrument rheostat with new. Cessna part number 51904-2. Tested function and found to be satisfactory. Reviewed with Darrell R. Noble, IA.; Angelo A. Petropalis, MD., Owner/operator, Pilot #3204074. Angelo Petropalis
5/6	4748.7			Inspected above rheostat installation. Operational check normal. Darrell R. Noble A#P3513071

YEAR: 2018 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.)
1/28				<p>N52878 Cessna 177RG Tach and TTIS: 4814.9</p> <p style="text-align: right;">01/28/2018 S/N 177RG1297</p> <p>Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT checked for "G" switch function and signal strength. ELT battery due JAN 2019. Control surface travels and tensions checked. Cleaned, inspected and greased all main gear bearings. Landing gear retraction test performed satisfactorily. Replaced vacuum pump foam filter with P/N RA B3-5-1. Induction air filter element serviced by owner/operator using new CP-1504 gasket. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings P/N MS29513-138 and MS29513-111. Performed Lift Reserve Indicator ICA inspection with no defects noted. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 seat rails/roller bracket by inspection and measurement; 76-07-12 R1 ignition switch by operation. A.D. biweeklies checked thru this date. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><i>Darrell R. Noble</i> Darrell R. Noble IA3513071</p>

[illegible]

YEAR: 2018	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				

DATE	2/9/2018	FALCON EXECUTIVE AVIATION, INC.	WO#	SVC-8352
REG	N52878	4766 E. FALCON DR.	TACH	4816.8
MODEL	177RG	MESA, ARIZONA 85215	HOBBS	1102.6
SER #	177RG1297	FAA APPROVED REPAIR STATION NO. X0FR185J		

AVIONICS LOG ENTRY

1. I certify that the **Pilot's static/altimeter systems test** required by 14 CFR 91.411 have been performed, this date and that the static/altimeter system meets the requirements of 14 CFR Part 43, Appendix E. **Tested to 20,000 Feet.**
2. I certify that the **Transponder** tests required by 14 CFR 91.413 have been performed, this date, and that the Mode S transponder meets the requirements of 14 CFR Part 43, Appendix F. Transponder Model: **GTX330 S/N 84100161**
3. The work identified above was performed in accordance with current Federal Aviation Regulations and found to be airworthy for return to service.

AUTHORIZED SIGNATURE:  CRS X0FR185J

Pertinent details of work accomplished on this aircraft are on file at this agency under work order SVC-8352.

-----END-----

[illegible]

YEAR:

2018

DATE

10/11

1 of 2

MAKE: Cessna
 MODEL: 177rg
 S/N: 177RG1297
 REG. NO: N52878
 WORK ORDER: 33757

Depot Avionics, Inc.

Repair Station No. GM6R566N
 2550 State Ave
 San Luis Valley Regional Airport
 Alamosa, CO 81101
 Phone: 719-589-6777


DATE: 11 October, 2018

A/C TSN: 4863 2


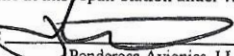
TACH: 4863 2

Airframe Entries

(1) Avionics Inspection and Prep... Avionics Systems ops checked correctly, removed #2 MK-12D Nav/Com with tray and CDI, & DME-890 with tray....(2) Move GNS-430W to #2 position & add CDI... Moved the existing Garmin GNS-430W, SW version 5.3, TSO C146a WAAS IFR GPS/NAV/COM system to the #2 radio position as a new installation IAW STC SA01933LA-D. For installation details, data, and approval see FAA form 337 & FMS p/n 190-00356-03. See Garmin GNS-400W Series ICA manual #190-00357-65, Rev D for ICA data. C/W Garmin STC Service Bulletin No: 1766, Rev A, dated December 7, 2017, (which includes updates for SSB 11762, Rev A). Updated GNS-430W, s/n 96305401, to SW version 5.4 from Ver 5.3. Updated FMS to p/n 190-00356-03, Rev F, 30-Nov-2017. Provided 400W Series Quick Reference Guide, p/n 190-00356-01, Rev K; Pilot's Guide Addendum, Garmin Optional Displays, p/n 190-00356-30, Rev M; Pilot's Guide and Reference, p/n 190-00356-00, Rev K; and provided 400W Series Instructions for Continued Airworthiness Limitations, p/n 190-00356-65, Rev D, dated 11-20-14. System ops checked correctly....(3) Install owner supplied GNS-530W as #1... Installed customer supplied Garmin GNS-530W, p/n 011-01064-40, s/n 78413339, SW Ver. 5.4, TSO C146a WAAS IFR GPS/NAV/COM system IAW STC SA01933LA-D to replace the GNS-430W #1 system. System was repaired on Garmin International FAA Form # RMA 101647346, dated 26 Mar 2018. This system is installed as a minor upgrade to the existing GNS-430W installation -Same STC and TSOs as previously installed. Provided updated FMS p/n 190-00357-03, rev. F; Pilot's Guide and Reference, p/n 190-00357-00, Rev. K; & Pilot's Guide Addendum, Garmin Optional Displays, p/n 190-00356-30, Rev. M. See Garmin GNS-500W Series ICA manual #190-00357-65, Rev. D for ICA data. System ops checked correctly....(4) Install FlightStream 210... Installed Garmin Flight Stream 210, s/n 3RE006538, TSO C-157, as a minor modification IAW AML STC SA01933LA-D, and 500W Series Installation Manual, p/n 190-00357-02, Rev. M, 7/6/2017. Mounted on Glove Box and connected with Tefzel wire and new circuit breaker marked "BT LINK" in the avionics Buss. System interfaces with GNS-530W to provide Bluetooth wireless interface to portable computers. System ops checked correctly with iPad computer, with no interference to other systems noted....(5) Move VoiceFlight and autopilot switching... Moved Voice Flight Command switch to pilot's yoke, and moved all other switching below the radio stack to empty hole in middle left of co-pilot's panel. Voice Flight System ground checked correctly, needs

YEAR: 2018 DATE 10/11 (Cont'd)	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.)
				<p>2 of 2</p> <p>pilot's check....(6) Autopilot Fails when powered on.... Troubleshoot problem to short on course output of HSI causing 10 VDC fuse in Autopilot computer to blow. Replaced Heading and Course wiring to autopilot and repaired multiple frayed and improperly terminated contacts at autopilot computer and HSI....(7) HSI needle pulls full left... Trouble shot problem to bent pin contact on HSI. Fixed the pin, and the system ops checked correctly....(8) Paperwork... Installation Practices followed include: AC43.13-1B paragraphs 7-34(hardware used conforms to proper type for the uses intended), 11-30(within load limits, per 11-36), 11-31, 11-32, 11-96 and 11-100 and 11-103(as applicable), 11-115, 12-1(a, b, c). And AC43.13-2B paragraphs 106, 108, 110, 111, 112, 113, 202, 203b, 203c, 203e(UTILIZED AN HARDWARE), 205, 207 a, b, c, d, e, f, g New W&B Info: EW = 1836.77 Lbs, CG = 103.28", MOM = 189709.54, Useful = 963.2 Lbs.</p>
				<p>DATE: 11 October, 2018</p> <p>SIGNED: </p> <p>Mark Colman Certified Repair Station No. GM6R566N</p> <p>Work Order: 33757</p> <p>Printed by EBis 3 (datcomedia.com)</p>

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YEAR: 2018	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 11/30	4879.1		4879.1	 <p>Ponderosa Avionics, LLC 4500 E. Aviation Way Safford, Az 85546 FAA CRS# EHSR545D Ph (928) 792-2202 Fax (928) 428-7824</p> <table border="1"> <tr> <td>Customer: Angelo Potropolis</td> <td>A/C Tail#: N5878</td> <td>Make: Cessna</td> <td>Model: 177RG</td> </tr> <tr> <td>Remove Pressure Transducer</td> <td>S/N# 177RG1297</td> <td>ACFT: 177</td> <td>FAA# 1879.1</td> </tr> <tr> <td colspan="4">Installed Fueling New Same As SN 06111-1521-47328AD (Y) System vs Fuel on Ground</td> </tr> </table> <p>This aircraft, airframe, or appliance(s) identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under W/O No. 18-7093</p> <p>Signed:  Date: 11/29/18 Ponderosa Avionics, LLC CRS# EHSR545D</p>	Customer: Angelo Potropolis	A/C Tail#: N5878	Make: Cessna	Model: 177RG	Remove Pressure Transducer	S/N# 177RG1297	ACFT: 177	FAA# 1879.1	Installed Fueling New Same As SN 06111-1521-47328AD (Y) System vs Fuel on Ground			
Customer: Angelo Potropolis	A/C Tail#: N5878	Make: Cessna	Model: 177RG													
Remove Pressure Transducer	S/N# 177RG1297	ACFT: 177	FAA# 1879.1													
Installed Fueling New Same As SN 06111-1521-47328AD (Y) System vs Fuel on Ground																

[illegible]

YEAR: RECORDING TODAY'S TOTAL

2019

Annual

02/23/2019

DATE

N52878

~~03/01/2019~~

2/23

Cessna 177RG

S/N 177RG1297

Tach and TTIS: 4887.1

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT checked for corrosion, "G" switch function and signal strength. ELT battery due **JAN 2021**. Control surface travels and tensions checked. Cleaned, inspected and greased nose gear bearings. Replaced vacuum pump foam filter with P/N RA B3-5-1. Induction air filter element serviced by owner/operator. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings P/N MS29513-138 and MS29513-111. Performed Lift Reserve Indicator ICA inspection with no defects noted. Shimmy damper removed and resealed using new o-rings, back up rings and packings as listed: MS28775-112 (2), -213, -023; AN6227B3; S1628-112 (2), -023 and p/n 600-015-100S. Nose gear actuator removed and resealed using new o-rings, back up rings and packings as listed: S1628-111; MS28775-111, -020, -210; S1628-210 (2). Shimmy damper and nose gear actuator reseat, removal and install performed by Angelo A. Petropolis, Owner/Pilot - FAA Certificate#3204074. Landing gear retraction test performed satisfactorily. Serviced hydraulic power pack reservoir with fluid. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 seat rails/roller bracket by inspection and measurement; 76-07-12 R1 ignition switch by operation. A.D. biweeklies checked thru this date. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL** INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Darrell R. Noble IA3513071

YEAR: 2019 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.)
5/25				<p>N52878 Cessna 177RG Tach and TTIS: 4908.1</p> <p>Both main gear wheels removed and balanced after cleaning, inspecting and repacking wheel bearings. Reinstalled with new cotter pins. Tightened inner brake lining rivets on R/H brake back plate. Replaced stabilator trim tab R/H static wick.</p> <p>Darrell R. Noble A&P351307 <i>Darrell R. Noble</i></p>
10/19 9/22	4938.6			<p>Replaced worn turnbuckles AN/55-16S (X2), Forks AN/61-16RS (X2), and AN/61-16LL on both aft (LH & RH) nose gear door assemblies. All were re-saftied & checked for satisfactory function.</p> <p><i>Angela & Petros</i> <i>Angela & Petros</i> / <i>Darrell R. Noble</i> <i>Inspected above.</i> <i>A&P 3513471</i></p>

YEAR: 2019/20 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.)
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12/24/2019 Tach: 4949.5

Resealed R/H brake wheel cylinder using new MS28775-224. Reinstalled wheel cylinder and bled R/H brake system

Darrell R. Noble
Darrell R. Noble A&P3513071

1/10/20	4950.3		4950.3	Replaced aircraft battery with new Concorde RG24-16 sealed battery* Replaces Cessna P/N C614001-0106 using STC #SA01118WE + FAA 8130-3 on file) <i>Aurelio C. [signature]</i> - owner/pilot #3204074. *open voltage 25.6 before installation. <i>AP</i>
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YEAR: <i>2020</i>	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				

Annual

N52878

Cessna 177RG

03/26/2020

S/N 177RG1297

Tach and TTIS: 4955.7

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT checked for Corrosion, "G" switch function and signal strength. ELT battery due **JAN 2021**. Control surface travels and tensions checked. Cleaned, inspected and greased all wheel bearings. Replaced vacuum pump foam filter with P/N RA B3-5-1. Induction air filter Element serviced by owner/operator. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings P/N MS29513-138 and MS29513-111. Performed Lift Reserve Indicator ICA inspection with no defects noted. All engine nacelle fuel and oil hoses replaced with units from Precision Hose Technology, Inc. and Aero Performance (transducer to fuel servo). Owner/operator replaced mixture control cable P/N 565-5800-016 and friction washer P/N 165-510-012 (SK207-20). Various engine baffles repaired by owner/operator. Air box repaired for various cracks and new hinge installed. Battery Minder Airframe interface kit BM-AIK2A installed by owner/operator. Interface operation shows normal with unit installed in battery compartment area. Landing gear retraction test performed satisfactorily. Serviced hydraulic power pack reservoir with fluid. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 seat rails/roller bracket by inspection and measurement; 76-07-12 R1 ignition switch by operation. A.D. biweeklies checked thru this date. Replaced alternator belt P/N S1597-1-37.5. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL** INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Darrell R. Noble IA3513071

YEAR: <u>2020</u>	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				



Ponderosa Avionics, LLC
 4500 E. Aviation Way
 Safford, Az 85546
 FAA CRS# EHSR545D
 Ph (928) 792-2202 Fax (928) 428-7824

Customer: <u>Angelo Petropolis</u>	A/C Tail# <u>352878</u>	Make <u>Cessna</u>	Model: <u>177RG</u>
	S/N# <u>177RG1297</u>	ACTT: <u>4956.9</u>	Hobbs: <u>1260.7</u>

Tested and inspected Transponder(s) in accordance with FAR 91.413 and found to comply with Part 43, Appendix F.
 This aircraft, airframe, or appliance(s) identified above was repaired and inspected in accordance with current
 Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of
 the repair are on file at this repair station under W/O No. 20-7816

Signed: _____

Ponderosa Avionics, LLC

Date: 3/20/20

CRS# EHSR545D

YEAR: 2020
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be
Facility. (See I



Pond:
4500
Saffo:
FAA C
Ph (928) 792-

Customer: Angelo Petrakis A/C Tail#: N52578 Make: Cessna
S/N# 177261297 ACT: 4960

Tested Altimeter (s) and Pitot/Static System IAW FAR 91.411 to 29000
Part 43, App E. Tested and inspected Transponder(s) in accordance with FAR 91.413 a
43, Appendix F. This aircraft, airframe, or appliance(s) identified above was repair
accordance with current Regulations of the Federal Aviation Administration and i
service. Pertinent details of the repair are on file at this repair station under W/O

Signed: [Signature] Ponderosa Avionics, LLC

Date: 5/1
CRS# EHSR5

SCALE CORRECTIONS

BARO.	ALT. READS	
	Room	Low
READ.	Temp.	Temp.
-1000	0	-
0	0	-
500	+5	-
1000	+5	-
1500	+10	-
2000	+15	-
3000	+10	-
4000	0	-
6000	-25	-
8000	-55	-
10000	-75	-
12000	-80	-

WO# 20-1127
Date 5/13/20

ALTIMETER SN.

Pilot

BARO.	ALT. READS	
	Room	Low
READ.	Temp	Temp.
14000	-60	-
16000	-55	-
18000	-90	-
20000	-110	-
22000		-
25000		-
30000		-
35000		-
40000		-
45000		-
50000		-
55000		-

Tested by [Signature]
Case Leak 51 ft/min

YEAR: <i>2026</i>	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				



Ponderosa Avionics, LLC

4500 E. Aviation Way

Safford, Az 85546

FAA CRS# EHSR545D

Ph (928) 792-2202 Fax (928) 428-7824

Customer Angelo Petropolis	A/C Tail#: N52878	Make: Cessna	Model: 177RG
	S/N# 177RG1297	ACTT: 4980.4	Hobbs 1290.0

Removed the following equipment: Pilot ADI PN 23-501-06-16, SN T57160K; Pilot HSI PN 52D136-1333, SN 14299A; Vacuum Gauge PN 09007-0117, SN W3385; Vacuum Pump PN215CC, SN 55656 - Removed Per Garmin G5 STC Install manual 190-01112-10, Rev 23, Dated May 2020, Page 30, Section 3.4.2 and AC 43.13 1B/2B for maintenance practices, and the Cessna 177RG Service Manual Chapter 4. A cover plate and gasket has been installed at removed vacuum pump per service manual; Course Deviation Indicator PN MD200-706, SN E18-11145. Installed a Dual Garmin GI 275 Display System consisting of a Primary ADI ADHRS/AP PN 011-04489-20, SN 5M2200437 at Sta. 75.50; A HSI/Stby ADI PN 011-04489-10, SN 5M2100621 at Sta 75.50; A GMU 11 PN 010-01788-01, SN 56J019336 Outboard of Pitot Probe, left wing at Sta. 127.14; A GTP-59 OAT Probe PN 011-00978-0, SN 47950243 Inboard Left Wing at Sta. 123.53. Display System has been interfaced to the existing GNS 530W and GNS 430W For GPS output and For GPS and Nav signal input Via Arinc 429 and RS-232. The Primary ADI ADHRS/AP display has been interfaced to the existing Stec 55X Autopilot for Pitch and Roll Control and FD display. Circuit Breaker protection is being provided by 2, 5-amp breakers installed into the main bus. Referenced work IAW the Garmin STC GI 275 Install Manual 190-02246-10, Rev 5, Dated Aug 2020, AC 43.13 1B/2B for maintenance practices, and per AML STC SA2658SE. Installed a Garmin G5 stby 3 in 1 Flight Display PN 011-03809-00, SN4JQ037929 at Sta. 75.50, right side of Pilot Panel within the Pilot field of view. Display has Pitot and Stby Static plumbed to it and it is a standalone Standby 3 in 1 gauge. It is circuit protected with a 5-amp Breaker tied in to the Main Bus and has a standalone GPS Antenna PN 011-04036-00, SN 4J9002060 mounted on the glareshield. It is interfaced Via Arinc 429 to the existing GNS 430W for External GPS input. Installed IAW AML STC Install Manual 190-01112-10, Rev 23, dated June 2020, AML STC SA01818WI, and AC 43.13 1B/2B for standard maintenance practices. Installed 2 Garmin GSB-15 USB ports PN 010-02201-10 at Sta. 75.50. One on the Pilot panel left side that is also interfaced to the Primary GI 275 ADI for programming and updates. The other is mounted on the copilot panel right side. Each USB Port is Circuit Protected by a 5 Amp breaker tied in to the Avionics Bus. Both installed IAW the Garmin AML STC install Manual 190-02246-10, Rev 5, Dated Aug 2020, and AC 43.13 1B/2B for general maintenance practices. Removed and modified the Pilot/Co-pilot Instrument panel to facilitate the above installs keeping the same mounting, thickness, and form/fit as original IAW AC 43.13 1B/2B and per Garmin AML Install Manuals 190-02246-10, Rev 5, Dated Aug 2020 and 190-01112-10, Rev 23, dated June 2020. Performed Electrical Load Analysis per AC 21-38 and AC 43.13 1B and found current load less than 80% of total load capacity. The weight and balance/ Equipment list has been updated in the aircraft record. Pertinent AFMS' and ICAs have been included in the aircraft records. This aircraft, airframe, or appliance(s) identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under W/O No. 20-7135

Signed:

Ponderosa Avionics, LLC

Date:

CRS# EHSR545D

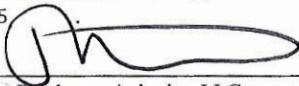
YEAR: <u>2020</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				



Ponderosa Avionics, LLC
4500 E. Aviation Way
Safford, Az 85546
FAA CRS# EHSR545D
Ph (928) 792-2202 Fax (928) 428-7824

Customer Angelo Petropolis	A/C Tail#: N52878	Make: Cessna	Model: 177RG
	S/N# 177RG1297	ACTT: 4980.4	Hobbs 1290.0

Removed defective Altimeter PN 5934P-1, SN L6616 and installed same after Overhaul and certification. Removed Pilot Airspeed PN EA-5175, SN 13062 and installed same after Overhaul and Certification. Performed leak check of pitot/Static system IAW FAR 91-411 and C/W Transponder to Altimeter Correlation Testing IAW FAR 91.411 for the requirements of continued Air Worthiness of the Current FAR 81.411/413 Certification. This aircraft, airframe, or appliance(s) identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under W/O No. 20-7135

Signed:  Date: 10/8/20
 Ponderosa Avionics, LLC CRS# EHSR545D

YEAR: 2018	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				

Ponderosa Aviation, Inc.

4500 E. Aviation Way

928-428-7820

Safford, Az 85546

928-428-7824 FAX

Date: 10/8/20

MAKE: Cessna Model: 177RG SN: 177RG1297 REG: N52878 Hobbs: 1290.0 ACTT: 4980.4

Removed defective Tach Cable from Tach Generator to Tach gauge and Installed factory new with same part number. Reference The Cessna 177RG 1976-1978 Maintenance Manual PN D2009-13. This aircraft, airframe, aircraft engine, or appliance(s) identified above has/have been repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Signed:



A&P

3711255

YEAR: <i>2028</i>	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				



Ponderosa Avionics, LLC
 4500 E. Aviation Way
 Safford, Az 85546
 FAA CRS# EHSR545D
 Ph (928) 792-2202 Fax (928) 428-7824

Customer Angelo Petropolis	A/C Tail#: N52878	Make: Cessna	Model: 177RG
	S/N# 177RG1297	ACT#: 4990.2	Hobbs 1301.1

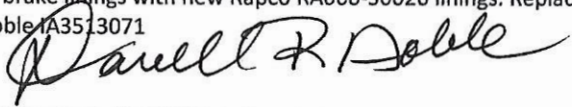
Troubleshoot Inop RH fuel Qty Gauge and found a faulty ground to assy. Replaced ground wire to same, RH Fuel gauge checks good on ground. Ref 177RG MM. Repaired wiring to switch and bulb assemblies to correct Inop brow lights. Repaired wiring to overhead switch and rheostat to correct Inop overhead flood lights. Re-attached pwr lead to engine gage lights to correct Inop backlighting. Ref 177RG This aircraft, airframe, or appliance(s) identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under W/O No. 20-7152

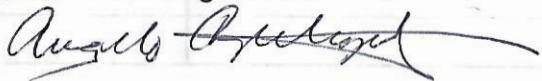
Signed: 
 Ponderosa Avionics, LLC

Date: *1/13/20*
 CRS# EHSR545D

{ELT DUE JAN 2023}

1/3 *5000,3* *ELT battery replaced with MERLP/NBP-1020, ELT checked for corrosion & operation signal, Test satisfactory. Next battery replacement due JAN 2023* *Angelo Petropolis*
owner/pilot #328 4074

YEAR: 2021 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.)
	N52878 Cessna 177RG		5000.3	01/12/2021 S/N 177RG1297
	Replaced all brake linings with new Rapco RA066-30026 linings. Replaced L/H stabilator static wick with new. Darrell R. Noble A3513071			
				

21/21			5004.3	
<p>"L/H main landing gear brake swivel removed for seal replacement. Replaced with new MS28775-010 o-ring and MS2877-8-3 boss o-ring gasket. Brake swivel re-installed. L/H brake assembly bled and topped off with MIL-H-5606A hydraulic fluid. Brake function satisfactory with no leaks. Angelo A. Petropolis (Owner/Operator) – FAA Pilot Cert. #3204074."</p> 				

[illegible]

[illegible]

YEAR: _____
DATE _____

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs, and Alterations
Entries must be endorsed with Name, Rating, Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N52878

Cessna 177RG

Tach and TTIS: 5013.7

04/10/2021

S/N 177RG1297

Annual

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. ELT checked for corrosion, "G" switch function and signal strength. ELT battery due JAN 2023. Control surface travels and tensions checked. Cleaned, inspected and greased all wheel bearings. Induction air filter element serviced by owner/operator. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings P/N MS29513-138 and MS29513-111. Performed Lift Reserve Indicator ICA inspection with no defects noted. Both downlock actuators resealed by Angelo Petropolis (owner/operator) using new o-rings, and back up rings. Angelo Petropolis replaced L/H brake swivel with McFarlane unit, performed satisfactorily. Replaced powerpack pressure line from rear of powerpack to first bulkhead fitting. Serviced powerpack with hydraulic fluid. Landing gear retraction and emergency test performed satisfactorily. All wheels balanced after installation of new tires and tubes. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 seat rails/roller bracket by inspection and measurement; 76-07-12 R1 ignition switch by operation. A.D. biweeklies checked thru this date. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL** INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Darrell R. Noble
Darrell R. Noble IA3513071

YEAR: 2021 DATE	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs, and Alterations Entries must be endorsed with Name, Rating, Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	
4/10/21	5013.7	Replaced L/H & R/H main landing gear tires & tube with new (Goodyear FLT Custom III - 15 x 6.0 - 6; Michelin Airstop 15-6.0-6 TR20 straight valve). Replaced nose gear tire with new & tube (Goodyear FLT Custom III 5.00 x 5 4PLY; Michelin Airstop tube 5.00-5 TR67-90° Valve). Per Cessna Maintenance manual instruction Angelo A Petropolis owner/pilot #3204074 <i>Angelo A Petropolis</i>	
11/11/21	5103.6	Garmin G1275 backup battery test completed with both units passing the Rundown Test. ADI rundown time: 83 min; HSI/Backup ADI rundown time 89 minutes. Test was done per Garmin G1275 installation manual. Angelo A. Petropolis owner/pilot #3204074 <i>Angelo A Petropolis</i>	

YEAR: 2021	A.D. NUMBER	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs, and Alterations Entries must be endorsed with Name, Rating, Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE			
11/20/21		5103.6	Defective nose gear magnetic proximity reed switch replaced with equivalent reed sensor, LITTELFUSE part number 59020-010. Proximity to magnet adjusted per Cessna service manual. Nose gear uplock & downlock release tensions measured and found to be within 15-20 lbs, as specified by Cessna Service manual. Gear and reed switch function found to be satisfactory after several retraction & extension cycles. Angelo A. Petropalis owner/pilot #3204074
11/23/21		5103.6	Inspected replacement of proximity switch above and found to be satisfactory. Paul R Noble AEP 5313071

[illegible]

YEAR: 1022 DATE	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs, and Alterations Entries must be endorsed with Name, Rating, Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1/22	5107	<p>01/22/2022 Tach: 5107</p> <p>Troubleshoot nose gear down switch for damage due to electrical short.</p> <p>Replaced master switch with Cessna P/N S1994-1-1. Spliced W GE1 wire on engine side of firewall. Replaced W GE2 from nose gear down switch to R/H main gear down switch. Nose gear reed switch Littelfuse P/N 59022-1-U-02-F replaced by Angelo Petropolis owner/operator. Functional check shows normal operation.</p> <p>Darrell R. Noble A&P3513071</p> <p style="text-align: center;">{ <u>END Book 3</u> }</p>

YEAR: DATE	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange				
		Item	Manufacturer's Name	Model	Serial Number	
5/15/12	4427.3	Speech Recognition	VoiceFlight	VFS101	STC # SA0271NY	<input checked="" type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
7/23/16	4686.2	Landing Light	Alphabeam	LED	P/N 2307055-1	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional
10/11/18	4863.2	GPS	Garmin	GNSS30W	SN: 78413339 P/N: 011-01064-0	<input checked="" type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
10/11/18	4863.2	Bluetooth Link Flight Connect	Garmin	Flight Stream 210	SA: 3RE006538	<input checked="" type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
1/10/20	4950.3	Battery	Concorde	RG24-16	STC #: SA0118WI	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
10/8/20	4980.4	Vacuum system (pump, standby vacuum, hoses) removed (Per GS STC)				<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional

YEAR:	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange				
DATE		Item	Manufacturer's Name	Model	Serial Number	
	4980.4	AOI	Garmin	G1275	SW: SM2200437	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional
	4980.4	H51	Garmin	G1275	SW: SM2100621	<input type="checkbox"/> Addition of Optional Equipment <input checked="" type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional
	4980.4	Back-up AOI	Garmin	G15	SW: 450037929	<input type="checkbox"/> Addition of Optional Equipment <input checked="" type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional
	4980.4	OAT Probe	Garmin	GTP- 59	SW: 47950243	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
	4980.4	USP(2) POAS	Garmin	(2) GBS 15	PLN: 010-02201-10	<input checked="" type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
	4980.4	Remote Compass Magnetometer	Garmin	GMU-11	SW: 565019336	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional

YEAR:	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange				
DATE		Item	Manufacturer's Name	Model	Serial Number	
12/11/21	5107	Audio Panel	PS Engineering	7000B	SN: M05373	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional
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