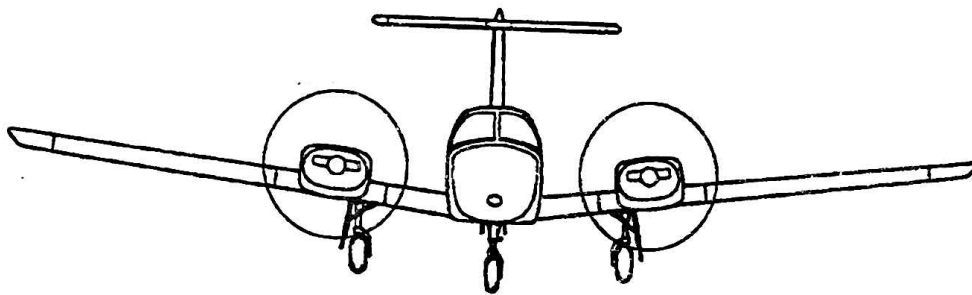


AIRFRAME



MAINTENANCE RECORDS

EMBRY-RIDDLE
Aeronautical University



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

AIRFRAME MAINTENANCE RECORDS

AIRCRAFT REGISTRATION NO. 110ER

AIRCRAFT MFG. Piper MODEL PA28R-201 SERIAL NO. 2841148

ENGINE MFG. Lycoming MODEL IO-360-C1C6

PROPELLER MFG. McCawley MODEL B2D34C213-13

ENGINE MFG. _____ MODEL _____

PROPELLER MFG. _____ MODEL _____

BOOK 1 OF _____

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

PAINT TYPE: Dupont Imron Polyurethane

Registration No. N110ER

Model: PA-28R-201 Popular Name: ARROW

Serial No.: 3844148 Type Certificate No.: 2A13

Colors: SNOW WHITE & FIGHTER BLUE PG155 828175

Engine Manufacturer: LYCOMING Serial Number: Single L-36287-51E

Original Engine Model: IO-360-C1C6 Left _____ Right _____

Propeller Manufacturer: McCAULEY Hub or Serial Number: Single 100367

Original Propeller Model: B2D34C213-B Left _____ Right _____

ADI 26235
ADI 26237

2014 MODEL

DESCRIPTION OF WORK PERFORMED.

ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

[illegible]

CALIBRATION CARD ALTIMETER

P/N: 59340-3		C/N: A134		S/N: 502597	
Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp		
-1,000	-15	14,000	-60		
0	-5	16,000	-45		
500	0	18,000	-45		
1,000	+10	20,000	-30		
1,500	+20	22,000			
2,000	+20	25,000			
3,000	+25	30,000			
4,000	+20	35,000			
6,000	-5	40,000			
8,000	-20	45,000			
10,000	-40	50,000			
12,000	-55				

Date: 12-2-13

Tested By: A

Inspected By: 5
U

FORM QA-A5 (B)

UNITED INSTRUMENTS, INC.

AIRFRAME MAINTENANCE LOG

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
MAY 13 2014	Brought Forward →	8.1		I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate.
				The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested:
			On (Pri) 4/3/14 (Sec) 12/2/13	
			55,000 R 20,000 R	
				The ELT is installed per FAR 91.207. Battery Replacement date: APR 2014
			Dated: MAY 13 2014	
			Phillip L Chapman	
			PHILLIP L CHAPMAN DMIR-832849-CE	
			Piper Aircraft, Inc.	
			Vero Beach, Florida	
Total To Carry Forward		8.1		

Registration No. N110ER

and Remarks	Signature	Certificate No.
The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43. Appendix F.		
1. Make <u>GARMIN</u> Model <u>GTX 330</u> S/N <u>84147147</u>		
2. Make <u>NA</u> Model <u>NA</u> S/N <u>NA</u>		
Details of this inspections are on file at this facility under:		
ACFT S/N <u>2844148</u> Date <u>4/30/14</u>		
The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: <u>4/30/14</u>		
Phillip L Chapman		
PHILLIP L CHAPMAN DMIR-832849-CE		
Piper Aircraft, Inc.		
Vero Beach, Florida		

AIRFRAME MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK
		<p>N110ER</p> <p>Tach Time: 8.6 Total time: 8.6</p> <p>The installation of the ADS-B (Automatic Dependent Surveillance-Broadcast) system has been completed on this aircraft. The basis for approval for this installation is found in the supplied Supplemental Type Certificate (STCSA01692SE, MX200), Supplemental Type Certificate (STCSA02217AK, GDL90 UAT)</p> <ol style="list-style-type: none"> 1) Installed GPS antenna G35 on top of fuselage pn 013-00235-00 S/n 103911 weighing 40 lbs at station #164 2) Installed UAT antenna on top of fuselage pn C1105-11 S/n 11084 weighing 25 lbs at station #162 3) Installed UAT antenna on bottom of fuselage pn C1105-11 S/n 11226 weighing 25 lbs at station #169 4) Installed harness from station 55.00 to 210.00 through left side of aircraft, weighed 5.13 lbs at an average station 64.5 5) Installed two 3 amp circuit breaker (MX200, and GDL90) at circuit breaker panel in line with avionic bus. 6) Installed MX200 multi-function display, P/N: 011-01271-00 S/n 38301397, at station 63.0, weighing 5.0 pounds 7) Installed GDL 90 Universal Access Transceiver, P/N: 430-6081-100-000, S/n 2910073, at aircraft station 174.0, weighing 6.5 pounds. 8) Performed Post-Installation checkout and configuration IAW, GDL 90 Installation Manual Part Number: 560-1049-02 Rev. C, dated Oct 2007. 9) Performed voltage load analysis IAW AC 43.13-1A chapter 11 section 3. 10) Updated weight and balance 11) Updated POH section 9 12) Updated the equipment list. 14) Performed radios and system interference operational check, no defects noted <p>The following Data was used for a basis for this installation:</p> <ol style="list-style-type: none"> 1) STCSA01692SE (MX200 MFD) Garmin Document Part # 005-C0315-00 Rev. A) Dated July 25, 2006 2) Flight Manual Supplement and installed pilot reference manual for GMX 200 P/N 190-00607-2 Rev C4) 3) MX200 Instructions for continued Airworthiness, Part Number 190-00607 Rev A 5) Garmin MX200 Multi-Function Display Installation Manual Part Number: 190-00604-04, Revision F, October 2008. 6) STC SA02217AK (GDL 90 UAT) dated 8 June 2004, with FAA Approved Model List (AML), dated 8 June 2004. 7) FAA STC Letter issuing STC, dated 8 June, 2004 8) GDL 90 Instructions for Continued Airworthiness Part Number: 560-0279-01 Rev C, dated 19 September 2007. 9) GDL 90 Installation Manual Part Number: 560-1049-02 Rev. C, dated Oct 2007. 10) GDL 90 UAT STC Master Data List Sensor p/n 560-0278-01, revision D, September 2007 <p>GPWS installation. Installed an Aircraft Components "Landing Gear Warning System" P/N 2037 s/n SC579P4FR2, per STC Number SA01644AT.</p> <p>The following reference material was used for this installation:</p> <ol style="list-style-type: none"> 1) Installation Manual Supplement: "Specification M-5, Rev. 2" 2) Installation Manual: "Specification M-1, Rev. F" 3) Airplane Flight Manual Supplement: "Airplane Flight Manual Supplement" FAA APPROVED, SEPT. 12, 2003. 4) Instructions For Continued Airworthiness: "ICA-2037 Rev. 0" Date 07-14-03 5) Approved Model List: "Specification 2037-AML REV. 1" Dated September 12, 2012 <p>The Weight & Balance, and the Equipment list was updated.</p> <ol style="list-style-type: none"> 1) Installation Manual Supplement: "Specification M-5, Rev. 2" 2) Installation Manual: "Specification M-1, Rev. F" 3) Airplane Flight Manual Supplement: "Airplane Flight Manual Supplement" FAA APPROVED, SEPT. 12, 2003. 4) Instructions For Continued Airworthiness: "ICA-2037 Rev. 0" Date 07-14-03 5) Approved Model List: "Specification 2037-AML REV. 1" Dated September 12, 2012 <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order.</p> <p>WO # <u>RMS201402568</u> Date <u>05/30/2014</u></p> <p>Signed: <u>Phillip L Chapman</u> Repair Station N3XR816N Jacques DTPhillippe ERAU 25 N3XR816N 8434</p>

NEW AND SERVICEABLE
PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS


N110ER

 Total Time 19.2
 Tach Time 19.2

1 Inspected all landing gear light indicators and found gear light socket assemblies not adjusted far enough into instrument panel causing a weak connection with light bulbs, and rear alignment washers broken on LMG and N G light socket assemblies. Re-adjusted and aligned all Landing gear light indicators onto instrument panel and installed new rear alignment washers on N G light and LMG light. Secured socket assemblies and lights onto instrument panel. No further defects noted, all landing gear lights ops checked good

2 Inspected LMG and found down limit switch wiring broken off of terminal. Removed and replaced ring terminal and crimped onto wire and secured gear wiring. Placed aircraft on jacks, inspected gear and Performed gear checks per paper PA28R maintenance manual 32-30-00 section 4, and 32-60-00 section 2. All gear checks ops check good no further defects noted. Verified all gear light ops checks no further defects noted gear retraction and extension test ops check good aircraft ok for return to service

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2014 02815 Date 06/04/14

 Signed *Korey Dickerson* Repair Station N3XR816N

 Korey Dickerson ERAU 45
 N3XR816N 1619

AIRFRAME-PA28R
N110ER

Time in Service 43.9

A/C TOTAL TIME	43.9
ENG TOTAL TIME	43.9
ENG T S M O H	NA
TACH TIME	43.9
PROP T S M O H	NA
PROP TOTAL TIME	43.2

Complied with EMBRY-RIDDLE'S, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2014 02956 Date 6/11/14

 Signed *Ralph Wixon* Repair Station N3XR816N

 Ralph Wixon ERAU 30
 N3XR816N 9130

DATE	TACH OR HOBBS TIME	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK
		<p>This aircraft has been updated with NavData Cycle: 1407 Which Expires: 07/24/14 AC TT: 76.5 Tach Time: 76.5 WOF: 2014 03192 Dated 6/25/14</p> <p>Signature: <i>Ralph Wixon</i> 110 FAA Repair Station: N3XR816N</p>
		<p>EMBRY-RIDDLE AERONAUTICAL UNIVERSITY</p> <p>I certify that this AIRCRAFT PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.</p> <p>Time in Service 90.9</p> <p>Complied with ANNUAL inspection Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (05-15). Complied with S. B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Tightened axle nut at the RM3 wheel assembly. Installed Kool Scoop. Installed new fire extinguisher. Relamped landing light.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2014 03462 Date 7/10/14</p> <p>Signed <i>Ralph Wixon</i> Repair Station N3XR816N Ralph Wixon ERAU 30 N3XR816N 9130</p>
		<p>This aircraft has been updated with NavData Cycle: 1408 Which Expires: 08/21/14 AC TT: 104.5 Tach Time: 104.5 WOF: 2014 03685 Dated 7/23/14</p> <p>Signature: <i>Ralph Wixon</i> 110 FAA Repair Station: N3XR816N</p>
		<p>EMBRY-RIDDLE AERONAUTICAL UNIVERSITY</p> <p>AIRFRAME-PA28R N110ER Time in Service 132.7</p> <p>A/C TOTAL TIME 132.7 ENG TOTAL TIME 132.7 ENG T S M O H NA TACH TIME 132.7 PROP T S M O H NA PROP TOTAL TIME 132.7</p> <p>Complied with EMBRY-RIDDLE'S, 50 HOUR INSPECTION CHECK LIST. Inspected and serviced as needed hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2014 03994 Date 8/11/14</p> <p>Signed <i>Ralph Wixon</i> Repair Station N3XR816N Ralph Wixon ERAU 30 N3XR816N 9130</p>

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

DATE TACH OR HOBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

This aircraft has been updated with NavData
Cycle: 1409 Which Expires: 09/18/14
AC TT: 12/12 Tach Time: 1378
WO#: 2014 04150 / Dated 8/21/14
Signature: *[Signature]*
FAA Repair Station: N3XR816N



N110ER

Total Time 163.5
Tach Time 163.5

Replaced nose gear orifice tube (21712-002) with new part supplied by Piper Aircraft. Work accomplished in accordance with PA28R Maintenance Manual Section 32-30-00, para 2.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014 04519 Date: 10 SEPT 2014

Signed: *[Signature]* ERAW-22 Repair Station N3XR816N



N110ER

Total Time 181.4
Tach Time 181.4

Fabricated wire harness from cannon plug in LT and RT wheel wells and continued routing and terminated at original downlock switches. Placed protective heat shrink sleeve over cannon plug. Checked rigging of switches and adjusted as necessary per PA28R Service Manual Section 32-60-00. Work performed IAW AC 43.13-1B chapter 11, and FAA AC25-16. Performed retraction test and emergency gear extension check. Adjusted up and down limit switches as necessary. No defects noted at this time.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014 04719 Date: 19 SEPT 2014

Signed: *[Signature]* ERAW-22 Repair Station N3XR816N

DATE TACH OR HOBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



I certify that this AIRCRAFT ENGINE (N110ER) has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition.
Time in Service 184.3

A/C TOTAL TIME 184.3
ENG TOTAL TIME 184.3
ENG T S M O H N/A
TACH TIME 184.3
PROP T S M O H N/A
PROP TOTAL TIME 184.3

Complied with ANNUAL Inspection.

Replaced vacuum relief filter. Serviced hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-2021) & FAR 91.207 Date (05-2015). Complied with S. U. 636 (Ignition switch). Replaced LT&RT brake pads, NG up stop bumper, alternator light switch, cabin heat shroud intake hose, and LT&RT tires w/ shop build-up assemblies. Tightened NG actuator hoses. Cleaned, insp, and repacked NG wheel bearings. Adjusted rudder, stabilator, and nylon cable tension. Adjusted LT&RT up stops. Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014 04771 Date: 23 SEPT 2014

Signed: *[Signature]* Repair Station N3XR816N

Steve Johnson ERAW 9

N3XR816N 7691



N110ER

Total Time 191.2
Tach Time 191.2

Removed and replaced NG assembly (p/n 67100-010) with new assembly from Piper Aircraft. Work accomplished in accordance with PA28R Maintenance Manual Section 32-30-00, para 3.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014 04913 Date: 02 OCT 2014
Signed: *[Signature]* ERAW-22 Repair Station N3XR816N

This aircraft has been updated with NavData
Cycle: 1411 Which Expires: 11/13/14
AC TT: 21/11 Tach Time: 211.1
WO#: 2014 05245 / Dated 10/15/14

Signature: *[Signature]*
FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PART

Item: 67100-010



GEAR ASSY

Rev: CD

Shop Date 9/25/19 Insp 333

180 14 Qty 1
REV 13131

Shell Life
Exp Date

AIRFRAME MAINTENANCE LOG

NEW AIRCRAFT SERVICEABLE



AIRFRAME-PA28R

N110ER

Time in Service: 223.8

A/C TOTAL TIME: 223.8
ENG TOTAL TIME: 223.8
ENG T S M O H: N/A
TACH TIME: 223.8
PROP T S M O H: N/A
PROP TOTAL TIME: 223.8

Complied with EMBRY-RIDDLE'S, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected: interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014 05412

Date: 22 OCT 2014

Signature: *Steve Johnson*

Repair Station N3XR816N

Steve Johnson ERAU 9

N3XR816N 7691



N110ER

ACTT: 238.6
TACH: 238.6

Placed aircraft on jacks. Installed a buildup on the nose gear and safetied the wheel assembly. Updated the aircraft "C" list for nose wheel bearing repack. Inspected landing gear shock struts, determined rings left by the wiper seals that strut compression was not abnormal. Determined that landing was not a hard landing. Inspected struts for signs of overstress, deformation, loose or damages. Inspected wheel wells and LG attach points for buckling, cracks, overstress, wing skin buckling, actuator, side trunion mounts. Inspected wheel wells and LG attach points for slippage, damage, and overstress. Inspected upper, and lower brace for damage and condition. Inspected wing attach bolt areas for distortion and damage. Inspected prop for evidence of ground strike. Inspected fuselage, and empennage for door alignment, buckling, loose or missing rivets. Performed retraction tests and emergency extension test. Checked rigging of gear indication switches. No defects noted at this time. Aircraft approved for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file: WO # RMS 2014 05544 Date: 10/27/2014

Signature: *Dave Ober*

Certified Repair Station N3XR816N

Dave Ober ERAU 16

N3XR816N 1578

This aircraft has been updated with NavData
Cycle: 1412 Which Expires: 12/11/14
ACTT: 276.0 Tach Time: 276.0
WO#: 2014 05912 Dated 11/12/14

Signature: *Steve Johnson*
FAA Repair Station: N3XR816N

DATE



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 281.8

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (05-15) Complied with S. B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Replaced cabin heat intake duct. Repacked LMG wheel bearings. Replaced nose gear actuator forward clevis bolt. Tightened wheel nut on the RMG wheel assembly. Replaced left aileron rod end bolt and resafetied.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014-06026 Date: 11/17/14

Signature: *Ralph Wixon*

Repair Station N3XR816N

Ralph Wixon ERAU 30

N3XR816N 9130



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

N110ER

Total Time: 286.2

Tach Time: 286.2

Attempted to start aircraft and found battery to be dead. Removed main battery P/N G-35 S/N G02785298 and installed P/N RG35-AXC S/N 40641789. Started aircraft and checked charging system for defects. No defects noted. Updated weight and balance as needed. No other defects noted. Aircraft ok for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under the work order: WO # RMS 2014 06125 Date: 11/21/2014

Signature: *Scott Parker*

Repair Station N3XR816N

SCOTT PARKER
CRS N3XR816N



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

AIRFRAME-PA28R

N110ER

Time in Service: 330.1

A/C TOTAL TIME: 330.1
ENG TOTAL TIME: 330.1
ENG T S M O H: N/A
TACH TIME: 330.1
PROP T S M O H: N/A
PROP TOTAL TIME: 330.1

Complied with EMBRY-RIDDLE'S, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected: interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Replaced RT brake pads. Cleaned corrosion from battery terminals.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2014 06511

Date: 15 DEC 2014

Signature: *Steve Johnson*

Repair Station N3XR816N

Steve Johnson ERAU 9

N3XR816N 7691

This aircraft has been updated with NavData
Cycle: 1413 Which Expires: 01/08/15
ACTT: 370.4 Tach Time: 370.4
WO#: 2014 06426 Dated 12/10/14

Signature: *Steve Johnson*
FAA Repair Station: N3XR816N

PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 466.1

A/C TOTAL TIME: 466.1
ENG TOTAL TIME: 466.1
ENG T S M O H: NA
TACH TIME: 466.1
PROP T S M O H: NA
PROP TOTAL TIME: 466.1

FORMED.
R STATION NUMBER OR
RSON PERFORMING WORK

Complied with ANNUAL inspection. Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (05-15). Complied with S. B. 636 (Ignition switch) Performed retraction test and emergency gear extension. Removed prop and disassembled, reinstalled. Flushed oil cooler. Replaced nose gear wheel bearings. Complied with SH1156 by replacement of the nose gear drag link bolt and bushing. Replaced RMG brake pads. Cleaned the RMG hydraulic actuator. no further leaks were noted. Replaced nose gear actuator forward clevis bolt. Relamped the airtight indicator light assembly. Replaced the right wing aileron cable mid pulley. Cleaned and lubed the left wing aileron mid pulley and rotation checked normal. Adjusted aileron cable tension as needed. IAW Piper Service Manual.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-01127 Date 3/5/15

Signed: *Ralph Waxen* Repair Station N3XR816N
N3XR816N 9130



AIRFRAME-PA28R
N110ER
Time in Service: 508.2

A/C TOTAL TIME: 508.2
ENG TOTAL TIME: 508.2
ENG T S M O H: NA
TACH TIME: 508.2
PROP T S M O H: NA
PROP TOTAL TIME: 508.2

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST. Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-01494 Date 3/25/15

Signed: *Ralph Waxen* Repair Station N3XR816N
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1504 Which Expires: 04/30/15
AC TT: 5.7.5 Tach Time: 5.7.5
WO#: 2015 01695 Dated 04/02/15
Signature: *Steve Johnson*
FAA Repair Station: N3XR816N

DATE
TACH OR
HOBBS
TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 561.6

A/C TOTAL TIME: 561.6
ENG TOTAL TIME: 561.6
ENG T S M O H: N/A
TACH TIME: 561.6
PROP T S M O H: N/A
PROP TOTAL TIME: 561.6

Complied with ANNUAL inspection. Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-2021) & FAR 91.207 Date (04-2016). Complied with S. B. 636 (Ignition switch) Performed retraction test and emergency gear extension. C/W ELT 91.207, ops checked satisfactory. C/W GDL90 ICA inspection, no faults noted. C/W GMX200 ICA inspection, no faults noted. Removed and replaced nav light switch bulb, RT brake pads, and LT brake pads. C/W FAR91 207 (next due 04-2016), GMX200 ICA insp, and GDL90 ICA insp.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 01236 Date 10 APR 2015

Signed: *Steve Johnson* Repair Station N3XR816N
Steve Johnson ERAU 9
N3XR816N 7691



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

AIRFRAME-PA28R
N110ER
Time in Service: 607.9

A/C TOTAL TIME: 607.9
ENG TOTAL TIME: 607.9
ENG T S M O H: N/A
TACH TIME: 607.9
PROP T S M O H: N/A
PROP TOTAL TIME: 607.9

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 02225 Date 27 APR 2015

Signed: *Steve Johnson* Repair Station N3XR816N
Steve Johnson ERAU 9
N3XR816N 7691

This aircraft has been updated with NavData
Cycle: 1505 Which Expires: 05/28/15
AC TT: 6.10.0 Tach Time: 6.10.0
WO#: 2015 02265 Dated 04/28/15

Signature: *Steve Johnson*
FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PARTS TAGS

CERTIFICATE APPROVAL TAG

G6XR582Y

Entity

10 Serial Number
20618377

3 Form Tracking Number

RMA 75852044

5 Work Order/Contract/Invoice Number
RMA 75852044

11 Status/Work
REPAIRED

ABLE

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

N110ER

Tach Time: 610.0
Total time: 610.0

Removed GDC 74 A p/n 011-00882-10 s/n 20617251, installed p/n 011-00882-00 s/n 20618377.
Overhauled unit under w/o 75852044 Garmin G500 installation manual Rev: L sect 5-7. Operational check good. No defects noted

Performed operational check using Aero flex IFR 6000 transponder tester, s/n 104005257 Cal date May 27, 2015, and JC AIR80B-3 S/N 060, CAL date May 15, 2015. In compliance with FAR 91.411 (a) and in accordance with the requirements outlined in FAR 43 Appendix E (a), the static system has been inspected and is approved for return to service.

In compliance with far 91.411 and, 91.413, and in accordance with FAR 43 appendix E (a), (c) and F (e-j). I certify that the Transponder and installation Make: Garmin, Model: G330 s/n 84147147. Meet all the requirements.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair/inspection are on file at the Repair Station under this work order:
WO # FMC0201502270 Date: 05/01/2015

Signed: *[Signature]* Repair Station N3XR816N.

Jacques DiPhilippe ERAU 25
N3XR816N 8434



N110ER

Total Time 643.8
Tach Time 643.8

Placed aircraft on jacks. Inspected landing gear shock struts, determined rings left by wiper seals that strut compression was not abnormal. Determined that landing was not a hard landing. Inspected struts for signs of overstress, deformation, loose or damaged trunnion mounts. Inspected wheel wells and LG attach points for buckling, cracks, overstress, wing skin buckling, actuator, side brace for damage and condition. Inspected wing attach bolt areas for slippage, damage, and overstress. Inspected upper, and lower wing skins for wrinkles, cracks, popped or missing rivets. Inspected engine mount for distortion and damage. Inspected prop for evidence of ground strike. Inspected fuselage, and empennage for door alignment, buckling, loose or missing rivets. Performed retraction tests and emergency extension test. Checked rigging of gear indication switches. Removed and replaced NG tire with new shop built 500-5 wheel assembly. Ops check good. No further defects noted at this time. Aircraft approved for return to service. All work accomplished IAW Paper PA23R maintenance manual chapter 5-50, page 2 and 3, paragraph 3.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-02499 Date 05/11/15

Signed: *Kory Dickerson* Repair Station N3XR816N
Kory Dickerson

Kory Dickerson ERAU 45
N3XR816N 1619

AIRFRAME MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK
		<p>I certify that this AIRCRAFT-PA23R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition. Time in Service: 660.0</p> <p>Complied with: ANNUAL inspection. Replaced vacuum relief filter. Serviced: hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (4-21) & FAR 91.207 Date (4-16). Complied with S. B. 636 (Ignition switch). Replaced vent blower brushes, engine alternate air door lever, NG up stop bumper, LT wing aileron outboard pulley & bushings, disposable CO detector, co-pilots floor cable cover, heater intake hose, and LT & RT tires w/ shop build-up assemblies. Adjusted rudder and stab cable tensions and safetied. Re-torqued rudder & stab hinges hardware. Secured alternator belt tension. Performed retraction test and emergency gear extension.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-02624 Date 19 MAY 2015</p> <p>Signed: <i>[Signature]</i> Repair Station N3XR816N.</p> <p>Steve Johnson ERAU 9 N3XR816N 7691</p> <p>A/C TOTAL TIME: 660.0 ENG TOTAL TIME: 660.0 ENG T S M O H: N/A TACH TIME: 660.0 PROP T S M O H: N/A PROP TOTAL TIME: 660.0</p>
		<p>This aircraft has been updated with NavData Cycle: 1506 Which Expires: 06/25/15 AC TT: 686-3 Tach Time: 686-3 WO#: 2015 02828 Dated 05/28/15</p> <p>Signature: <i>[Signature]</i> FAA Repair Station: N3XR816N</p>
		<p>AIRFRAME-PA23R N110ER Time in Service: 705.5</p> <p>Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST. Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Completed A/I standby battery ICA inspection. Replaced LMG and RMG brake pads.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-02919 Date 6/2/15</p> <p>Signed: <i>[Signature]</i> Repair Station N3XR816N</p> <p>Ralph Wixon ERAU 30 N3XR816N 9130</p> <p>A/C TOTAL TIME: 705.5 ENG TOTAL TIME: 705.5 ENG T S M O H: NA TACH TIME: 705.5 PROP T S M O H: NA PROP TOTAL TIME: 705.5</p>

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

DATE TACH HOBB TIME



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition Time in Service: 758.1

Complied with: ANNUAL inspection. Replaced vacuum relief filter. Serviced: hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04/16). Complied with: S. B. 636 (ignition switch). Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 03300 Date: 06/21/15

Signed: *Ron Strauss, Jr.* Repair Station N3XR816N.

Ron Strauss, Jr. ERAU 46
N3XR816N 7445

This aircraft has been updated with NavData
Cycle: 1507 Which Expires: 07/23/15
AC TT: 167.2 Tach Time: 767.8
WOR: 2015 03355 Dated 06/24/15

Signature: *R. J. Junda*
110 FAA Repair Station: N3XR816N



AIRFRAME
N110ER

Total Time: 827.2
Tach Time: 837.2

Removed the upper engine cowl to gain access to the engine compartment. Found the electric fuel pump is not operational. Removed the old fuel pump P/N B8120-G S/N 174291. Removed the old fittings and installed them on the new fuel pump with new O-Rings. Installed the new fuel pump B8120-G S/N 152737. Performed fuel ops check. Ops check good. No leaks detected. Performed ground run-up. No defects noted. Installed upper engine cowl. A/C is ok for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 03872 Date: 7/18/2015

Signed: *Michael C. Junda* Repair Station N3XR816N

Michael C. Junda
N3XR816N

IBER OR
ING WORK

A/C TOTAL TIME: 758.1
ENG TOTAL TIME: 758.1
ENG T S M O H: n/a
TACH TIME: 758.1
PROP T S M O H: n/a
PROP TOTAL TIME: 758.1

DATE TACH OR HOBB TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

This aircraft has been updated with NavData
Cycle: 1508 Which Expires: 08/20/15
AC TT: 235.0 Tach Time: 635.0
WOR: 2015 03970 Dated 07/23/15

Signature: *R. J. Junda*
110 FAA Repair Station: N3XR816N



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition Time in Service: 852.5

Complied with: ANNUAL inspection.

Replaced vacuum relief filter. Serviced: hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04/16). Complied with: S. B. 636 (ignition switch). Performed retraction test and emergency gear extension. Replaced left and right brake pads. Replaced alternator brushes.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 04120 Date: 08/02/15

Signed: *Ron Strauss, Jr.* Repair Station N3XR816N.

Ron Strauss, Jr. ERAU 46
N3XR816N 7445

A/C TOTAL TIME: 852.5
ENG TOTAL TIME: 852.5
ENG T S M O H: n/a
TACH TIME: 852.5
PROP T S M O H: n/a
PROP TOTAL TIME: 852.5



AIRFRAME-PA28R

N110ER

Time in Service: 891.5

A/C TOTAL TIME: 891.5
ENG TOTAL TIME: 891.5
ENG T S M O H: NA
TACH TIME: 891.5
PROP T S M O H: NA
PROP TOTAL TIME: 891.5

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Cleaned and lubed the throttle cable. Removed both LMG and RMG tire / wheel assemblies and replaced with serviceable shop built up assemblies.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-04334 Date: 8/18/15

Signed: *Ralph Wixon* Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1509 Which Expires: 09/17/15
AC TT: 591.5 Tach Time: 591.5
WOR: 2015 04357 Dated 08/19/15

Signature: *R. J. Junda*
110 FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

DESCRIPTION OF WORK PERFORMED.

ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

DATE TACH OR HOBBS TIME :



N110ER
Total Time: 928.5
Tach Time: 928.5

Removed propeller, desludged prop and crankshaft, replaced alternator belt, and reinstalled propeller in accordance with PA28R MM Section 61-10-00. Removed the back plate on RT fuel cap and installed a new vent plug P/N: 492-153. Re-installed the fuel cap back onto the fuel tank. Removed vent piece from RT fuel tank.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 04744 Date: 11 SEPT 2015

Signed: *[Signature]* Repair Station N3XR816N

ROBERT WARENSFORD
CRS N3XR816N



I certify that this AIRCRAFT PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service : 938.8

A/C TOTAL TIME : 938.8
ENG TOTAL TIME : 938.8
ENG T.S.M.O.H : N/A
TACH TIME : 938.8
PROP T.S.M.O.H : N/A
PROP TOTAL TIME : 938.8

Complied with: ANNUAL inspection.

Replaced vacuum relief filter. Serviced: hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-2021) & FAR 91.207 Date (04-2016). Complied with: S. B. 636 (Ignition switch). C/W SB1156 (NG drag link) by replacing bolt. C/W AD84-26-02 by replacing induction air filter. Replaced central vac filter, LT&RT brake pads, NG up-stop bumper, and rudder static wick. Cleaned, insp, and repacked nose wheel bearings. Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 04878 Date: 18 SEPT 2015

Signed: *[Signature]* Repair Station N3XR816N
Al Zaccaria ERAU 38
N3XR816N 8755

This aircraft has been updated with NavData
Cycle: 1511 Which Expires: 11/12/15
ACTT: 974.8 Tach Time: 974.8
WO#: 2015 05408 Dated 10/15/15

Signature: *[Signature]*
FAA Repair Station: N3XR816N

DATE TACH OR HOBBS TIME :



AIRFRAME-PA28R
N110ER
Time in Service : 981.8

A/C TOTAL TIME : 981.8
ENG TOTAL TIME : 981.8
ENG T.S.M.O.H : N/A
TACH TIME : 981.8
PROP T.S.M.O.H : N/A
PROP TOTAL TIME : 981.8

OR WORK

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected: interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 05457 Date: 10/16/15

Signed: *[Signature]* Repair Station N3XR816N

Al Zaccaria ERAU 38
N3XR816N 8755

10/17/2015 999.9

performed compass survey using
Sight compass. Observed compass
card. No defects noted. *[Signature]*

For		RADIOS ON					
N	030	060	E	120	150		
004	030	058	086	118	146		
S	210	240	W	300	330		
176	210	242	275	305	336		

Jacques DiPhilippe ERAU 25
N3XR816N 8434

Date: 27 OCT 2015
Reg. No: 110ER
Tach: 999.9
Initials: JDP



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service : 1031.9

A/C TOTAL TIME : 1031.9
ENG TOTAL TIME : 1031.9
ENG T.S.M.O.H : N/A
TACH TIME : 1031.9
PROP T.S.M.O.H : N/A
PROP TOTAL TIME : 1031.9

Complied with: ANNUAL inspection.
Replaced vacuum relief filter. Serviced: hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-16). Complied with: S. B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Replaced altimeter with serviceable P/N: 5934P-3A130. Removed unit with S/N: 502597 and installed unit with S/N: 462455. Replaced starter with a serviceable P/N: 149-NL. Removed starter with S/N: FN-011477 and installed starter with S/N: FN-481304. Replaced both of the lower cowl Teflon bushings. Replaced cabin heat shroud inlet. Repacked nose gear wheel bearings. Replaced forward clevis bolt at the nose gear actuator. Cleaned and lubed both yoke shafts. Adjusted rudder cable tension as needed and safetied turnbuckles. Repaired right lower air vent. Replaced RMG actuator and bled system. Static leak check needs to be completed for the altimeter change; see RMS WO 2015-05981.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 05567 Date: 11/09/15

Signed: *[Signature]* Repair Station N3XR816N

Ralph Wilson ERAU 30
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1512 Which Expires: 12/01/15
ACTT: 1013.9 Tach Time: 1013.9
WO#: 2015 06014 Dated 11/11/15

Signature: *[Signature]*
FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PARTS TAGS

DATE TACH OR HOBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



N110ER

Tach. Time: 1031.9
Total time: 1031.9
Performed pitot static and altitude correlation after standby altimeter replacement. Reference work order # 201505967.

Operational check using Aeroflex IFR 6000 transponder tester, s/n 104005257 Cal date May 26, 2016, and JC AIR80B-3 S/N 060, CAL date May 21, 2016.
Performed operational check and altitude correlation IAW FAR 43 Apdx: E (a)(c). No defects noted.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: RMS WO # 201505981 Date: 11/10/2015

Signed: *Jacques DiPhilippe* Repair Station N3XR816N.

Jacques DiPhilippe ERAU 25
N3XR816N 8434



AIRFRAME-PA28R

N110ER

Time in Service 1071.4

Complied with EMBRY-RIDDLES 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-06408 Date: 12/7/15

Signed: *Ralph Waxon* Repair Station N3XR816N

Ralph Waxon ERAU 30
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1513 Which Expires: 01/07/16
AC TT: 1081.1 Tach Time: 1081.1
WO#: 2015 06448 Dated 12/09/15

Signature: *T. G. Sundaus*
FAA Repair Station: N3XR816N

DATE TACH OR HOBBS TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N110ER

Total Time: 1097.7

Tach Time: 1097.7

Fabricated wire harnesses from cannon plugs in the left and right wheel wells and continued routing and terminated at original down-lock switches. Placed protective heat shrink sleeve over cannon plug. Checked rigging of all switches and adjusted as necessary per PA28R Service Manual Section 32-60-00. Work performed IAW AC 43 13-1B chapter 11, and FAA AC25-16

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015-06617 Date: 12-22-2015

Signed: *Neil E. ERAW-22* Repair Station N3XR816N.

This aircraft has been updated with NavData
Cycle: 1601 Which Expires: 02/04/16
AC TT: 1084 Tach Time: 1084
WO#: 2016 00026 Dated 01/06/16

Signature: *T. G. Sundaus*
FAA Repair Station: N3XR816N



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.

Time in Service 1123.8

Complied with ANNUAL Inspection.

Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-16). Complied with S. B. 630 (Ignition switch). Performed retraction test and emergency gear extension. Replaced prop governor rod end at the prop governor. Completed hydraulic fluid contamination check. Replaced both left and right main gear brake pads. Removed, cleaned, and lubed hardware at LMG down lock bolts, LMG torque link center bolt, RMG down lock bolts, and the RMG torque link center bolt. Replaced nose gear actuator forward clevis bolt. Repositioned nose gear up limit switch. Replaced roll pins in the pilots and copilot seats. Checked compass with HIS with no defects noted IAW clipboard discrepancy.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016-00133 Date: 10/31/16

Signed: *Ralph Waxon* Repair Station N3XR816N

A/C TOTAL TIME 1123.8
ENG TOTAL TIME 1123.8
ENG T S M O H NA
TACH TIME 1123.8
PROP T S M O H NA
PROP TOTAL TIME 1123.8

Ralph Waxon ERAU 30
N3XR816N 9130

PARTS TAGS

NEW AND SERVICEABLE



AIRFRAME-PA28R

N110ER

Time in Service 1167.7

A/C TOTAL TIME: 1167.7
ENG TOTAL TIME: 1167.7
ENG T S M O H: N/A
TACH TIME: 1167.7
PROP T S M O H: N/A
PROP TOTAL TIME: 1167.7

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Replaced nose and RT tires w/ shop build-up assemblies.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 00532

Date 04 FEB 2016

Signature: *Steve Johnson*

Repair Station N3XR816N

Steve Johnson ERAU 9
N3XR816N 7691

This aircraft has been updated with NavData
Cycle: 1602 Which Expires: 03/03/16
AC TT: 1167.7 Tach Time: 1167.7
WO#: 2016 00502 Dated 02/03/16

Signature: *FAA Repair Station*
FAA Repair Station: N3XR816N



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition
Time in Service 1220.3

A/C TOTAL TIME: 1220.3
ENG TOTAL TIME: 1220.3
ENG T S M O H: N/A
TACH TIME: 1220.3
PROP T S M O H: N/A
PROP TOTAL TIME: 1220.3

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-16) Complied with S. B. 636 (Ignition switch)
Performed retraction test and emergency gear extension. Replaced heater inlet duct. Replaced lower cowl forward Teflon bushings. Repacked RMG wheel bearings. Tightened B-nut on a fitting at the hydraulic powerpack which had been leaking
Serviced hydraulic reservoir with fluid. Adjusted both left and right ailerons to properly hit travel stops. Installed new clevis bolt in the nose gear actuator. Replaced avionics fan assembly. Leak checked hydraulic powerpack with no defects noted.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 00516 Date 3/23/16

Signature: *Ralph Wixon*

Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1603 Which Expires: 03/31/16
AC TT: 1242.5 Tach Time: 1242.5
WO#: 2016 01122 Dated 03/02/16

Signature: *FAA Repair Station*
FAA Repair Station: N3XR816N

DATE TACH HOBBS TIME



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

AIRFRAME-PA28R

N110ER

Time in Service 1265.7

A/C TOTAL TIME: 1265.7
ENG TOTAL TIME: 1265.7
ENG T S M O H: N/A
TACH TIME: 1265.7
PROP T S M O H: N/A
PROP TOTAL TIME: 1265.7

NUMBER OR FORMING WORK

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016-01291

Signature: *Ralph Wixon*

Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service 1311.8

A/C TOTAL TIME: 1311.8
ENG TOTAL TIME: 1311.8
ENG T S M O H: N/A
TACH TIME: 1311.8
PROP T S M O H: N/A
PROP TOTAL TIME: 1311.8

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-16) Complied with S. B. 636 (Ignition switch)
Performed retraction test and emergency gear extension. Repacked nose gear wheel bearings with grease. Complied with Piper SB 1279A, right wing rib inspection, with no defects noted. Installed hardware as needed in the sun visor bracket. Replaced forward clevis bolt in the nose gear actuator. Replaced RMG brake pads. Installed new wing walk material on the cabin step. Tightened hardware on the LMG down lock.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016-01590 Date 3/28/16

Signature: *Ralph Wixon*

Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1604 Which Expires: 04/28/16
AC TT: 1320.6 Tach Time: 1320.6
WO#: 2016 01687 Dated 03/30/16

Signature: *FAA Repair Station*
FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED.												
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK														
This aircraft has been updated with NavData Cycle: 1605 Which Expires: 05/26/16 AC TT: 1106.4 Tach Time: 1106.4 WOE: 2016 02174 Dated 03/30/16 Signature: <i>[Signature]</i> FAA Repair Station: N3XR816N														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>EMBRY-RIDDLE AERONAUTICAL UNIVERSITY</p> <p>AIRFRAME-PA28R</p> <p>N110ER</p> <p>Time in Service: 1448.7</p> <p>Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST. Inspected and serviced as needed hydraulic fluid, battery, and tires Inspected interior & exterior lighting, brake linings & calipers Inspected interior & exterior for general condition Cleaned & lubed yoke shafts Insp ELT for operation</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 02522 Date 17 MAY 2016</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div> Signed: <i>[Signature]</i> Repair Station N3XR816N </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Steve Johnson ERAU # N3XR816N 769* </div> </div> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A/C TOTAL TIME</td><td style="text-align: right;">1448.7</td></tr> <tr><td>ENG TOTAL TIME</td><td style="text-align: right;">1448.7</td></tr> <tr><td>ENG T S M O H</td><td style="text-align: right;">N/A</td></tr> <tr><td>TACH TIME</td><td style="text-align: right;">1448.7</td></tr> <tr><td>PROP T S M O H</td><td style="text-align: right;">N/A</td></tr> <tr><td>PROP TOTAL TIME</td><td style="text-align: right;">1448.7</td></tr> </table> </div> </div>			A/C TOTAL TIME	1448.7	ENG TOTAL TIME	1448.7	ENG T S M O H	N/A	TACH TIME	1448.7	PROP T S M O H	N/A	PROP TOTAL TIME	1448.7
A/C TOTAL TIME	1448.7													
ENG TOTAL TIME	1448.7													
ENG T S M O H	N/A													
TACH TIME	1448.7													
PROP T S M O H	N/A													
PROP TOTAL TIME	1448.7													
This aircraft has been updated with NavData Cycle: 1606 Which Expires: 06/23/16 AC TT: 1106.4 Tach Time: 1106.4 WOE: 2016 02656 Dated 05/25/16 Signature: <i>[Signature]</i> FAA Repair Station: N3XR816N														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>EMBRY-RIDDLE AERONAUTICAL UNIVERSITY</p> <p>I certify that this AIRCRAFT-PA28R(N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition Time in Service: 1504.9</p> <p>Complied with ANNUAL inspection. Replaced vacuum relief filter. Serviced: hyd fluid, battery & tires Performed CO test Cleaned & lubed yoke shafts & landing gear Insp ELT & battery (04-2012) & FAR 91.207 Date (04-2017). Complied with S. B. 634 (Ignition switch) C/W GMX200 ICA insp and hydraulic fluid contamination check C/W stdby A/I battery ICA insp by replacing battery pack. Replaced LT&RT brake pads, cabin heat intake hose, and LMG actuator Replaced starter, 149-NL, s/n off FN-0314104, s/n on FN-381481. Performed retraction test and emergency gear extension.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 02908 Date 09 JUNE 2016</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div> Signed: <i>[Signature]</i> Repair Station N3XR816N </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Steve Johnson ERAU # N3XR816N 7691 </div> </div> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A/C TOTAL TIME</td><td style="text-align: right;">1504.9</td></tr> <tr><td>ENG TOTAL TIME</td><td style="text-align: right;">1504.9</td></tr> <tr><td>ENG T S M O H</td><td style="text-align: right;">N/A</td></tr> <tr><td>TACH TIME</td><td style="text-align: right;">1504.9</td></tr> <tr><td>PROP T S M O H</td><td style="text-align: right;">N/A</td></tr> <tr><td>PROP TOTAL TIME</td><td style="text-align: right;">1504.9</td></tr> </table> </div> </div>			A/C TOTAL TIME	1504.9	ENG TOTAL TIME	1504.9	ENG T S M O H	N/A	TACH TIME	1504.9	PROP T S M O H	N/A	PROP TOTAL TIME	1504.9
A/C TOTAL TIME	1504.9													
ENG TOTAL TIME	1504.9													
ENG T S M O H	N/A													
TACH TIME	1504.9													
PROP T S M O H	N/A													
PROP TOTAL TIME	1504.9													

AIRFRAME MAINTENANCE LOG

NEW

FAA - PMA

This tag certifies that Sky-Tec Model No. 149-NL
Serial No. FN-381481 was manufactured new on 02 Sep 011
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
Supplement No. 7 in accordance with Sky-Tec's
FAA-Approved Quality System (14CFR Part 21, Subpart K).
This article has been determined to be airworthy.
For installation eligibility see www.skytec.com/eligibility.htm
Starter installed on N110ER by [Signature]
(Aircraft) (Mechanic)

RELEASABLE

S

FORMED.

STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



N110ER

Total Time: 1535.1

Tach Time: 1535.1

Powered GDL90 and monitored through hyper-terminal maintenance port and found no external or service faults and verified acquisition of traffic. Found GDL90 internal cooling fan working but was very loud. Removed GDL90 p/n 430-6081-100-000 s/n 29100073 and installed serviceable unit with TIS: 6642.3 p/n 430-6081-100-000 s/n 29101062. No external or service faults noted on hyper-terminal and verified acquisition of traffic on MX200. No other discrepancies noted at this time, aircraft is ok for return to service.
The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 03060 Date: 06/17/16

Signed [Signature] Repair Station N3XR816N

Daniel Stinelli ERAU 44
N3XR816N 8244



AIRFRAME-PA28R

N110ER

Time in Service: 1550.5

A/C TOTAL TIME: 1550.5
ENG TOTAL TIME: 1550.5
ENG T S M O H: N/A
TACH TIME: 1550.5
PROP T S M O H: N/A
PROP TOTAL TIME: 1550.5

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 03157

Date: 24 JUNE 2016

Signed [Signature] Repair Station N3XR816N

Steve Johnson ERAU 9
N2XR816N 7691

This aircraft has been updated with NavData
Cycle: 1607 Which Expires: 07/21/16
AC TT: 15489 Tach Time: 15489
WO#: 2016 03131 Dated 06/23/16

Signature: [Signature]
FAA Repair Station: N3XR816N

26

AIRFRAME MAINTENANCE LOG

DATE

TAC
HOE
TIM



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 1601.0

Complied with ANNUAL inspection.

Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-17). Complied with S. B. 636 (Ignition switch) both nose gear and LMG wheel/tire assemblies and replaced with serviceable shop built up assemblies. Removed damper rear attach bolt. Replaced nose gear actuator forward clevis bolt. Tightened nose gear torque link hardware as needed. Replaced LMG brake pads. Replaced small line on hydraulic powerpack and leak checked with no defects noted.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 03435 Date: 7/13/16

Signed [Signature] Repair Station N3XR816N

A/C TOTAL TIME: 1601.0
ENG TOTAL TIME: 1601.0
ENG T S M O H: N/A
TACH TIME: 1601.0
PROP T S M O H: N/A
PROP TOTAL TIME: 1601.0

NUMBER OR
TAG NUMBER

This aircraft has been updated with NavData

Cycle: 1608 Which Expires: 08/18/16

AC TT: 1611 Tach Time: 1611

WO#: 2016 03568 Dated 07/21/16

Signature: [Signature]
FAA Repair Station: N3XR816N



N110ER

Total Time: 1628.1

Tach Time: 1628.1

JOSEPH SARLI

N3XR816N

The magnetic compass showed an excessive deviation with both the engine and radios running. The compass was swung, and then adjusted to correct for the deviations. The compass card was updated. No further defects have been noted and the aircraft is ok for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 03662 Date: 8/22/2016
Signed [Signature] Repair Station N3XR816N

For		RADIOS ON					
N	030	060	E	120	150		
360	029	059	090	121	151		
S	210	240	W	300	330		
181	210	240	271	303	330		

Date: 27 JUL 2016

Reg. No: 110ER

Tach: 1,628.1

Initials: Sarli, J

COMPASS CORRECT

Date: 7/27/2016 Reg: 110ER Compass S/N:

Sight Compass R
Reading
Aircraft Compass
Desired Heading
N 030

15° 029
30 030

NAME GARMIN GDL90 UAT
#430-6081-100 W/O NO. 20160162
29101062 MODEL 172S

serviceable unit inop
craft N 479ER
6642.3

Inspector Signature
Lyle Sunderland ERAU 1
N3XR816N 1605
Inspector Signature
Lyle Sunderland ERAU 1
N3XR816N 1605

AIRWORTHY
(NEW OR SERVICEABLE PART)

NEW AND SERVICEABLE PARTS TAGS



AIRFRAME-PA28R
N110ER

Time in Service 1649.8

A/C TOTAL TIME 1649.8
ENG TOTAL TIME 1649.8
ENG T S M O H NA
TACH TIME 1649.8
PROP T S M O H NA
PROP TOTAL TIME 1649.8

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order WO # RMS 2016-03735

Date 8/2/16

Signed *[Signature]*

Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

FORMED.
AIR STATION NUMBER OR
PERSON PERFORMING WORK

This aircraft has been updated with NavData
Cycle: 1608 Which Expires: 09/15/16
AC TT: 1608.0 Tach Time: 1608.0
WO#: 2016 03948 Dated 08/18/16

Signature: *[Signature]*
FAA Repair Station: N3XR816N



I certify that this AIRFRAME-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.

Time in Service 1690.1

A/C TOTAL TIME 1690.1
ENG TOTAL TIME 1690.1
ENG T S M O H NA
TACH TIME 1690.1
PROP T S M O H NA
PROP TOTAL TIME 1690.1

Complied with ANNUAL inspection. Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-17). Complied with S. B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Replaced top cowling hardware as needed. Replaced throttle control rod end at the fuel servo.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order WO # RMS 2016-04019 Date 8/23/16

Signed *[Signature]*

Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

This aircraft has been updated with NavData
Cycle: 1610 Which Expires: 10/13/16
AC TT: 1720.2 Tach Time: 1720.2
WO#: 2016 04365 Dated 09/14/16

Signature: *[Signature]*
FAA Repair Station: N3XR816N

DATE TACH OR
HOBBS
TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



AIRFRAME-PA28R
N110ER

Time in Service 1732.3

A/C TOTAL TIME 1732.3
ENG TOTAL TIME 1732.3
ENG T S M O H N/A
TACH TIME 1732.3
PROP T S M O H N/A
PROP TOTAL TIME 1732.3

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Lubed throttle cable at servo end. Secured screw at upper door handle. Installed missing screw at RT arm rest.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order WO # RMS 2016-04435

Signed *[Signature]*

Repair Station N3XR816N

Steve Johnson ERAU 9
N3XR816N 7691

This aircraft has been updated with NavData
Cycle: 1611 Which Expires: 11/10/16
AC TT: 1783.6 Tach Time: 1783.6
WO#: 2016 04777 Dated 10/12/16

Signature: *[Signature]*
FAA Repair Station: N3XR816N

This aircraft has been updated with NavData
Cycle: 1612 Which Expires: 12/08/16
AC TT: 1845.2 Tach Time: 1845.2
WO#: 2016 05343 Dated 11/08/16

Signature: *[Signature]*
FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PARTS TAGS

NE



AIRFRAME-PA28R

N110ER

Time in Service: 1927.9

A/C TOTAL TIME: 1927.9
ENG TOTAL TIME: 1927.9
ENG T.S.M.O.H.: N/A
TACH TIME: 1927.9
PROP T.S.M.O.H.: N/A
PROP TOTAL TIME: 1927.9

ABLE

50 HOUR INSPECTION CHECK LIST

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected: interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 05979
Date: 12/14/16

Al Zaccaro ERAU 38
N3XR816N 8755

Repair Station N3XR816N

ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

DATE
TAC
HOBBS
TIME:

This aircraft has been updated with NavData
Cycle: 1701 Which Expires: 02/02/17
ACTT: 1946 Tach Time: 1946
WO#: 2017 00035 Dated 01/04/17

Signature: *[Signature]*
FAA Repair Station: N3XR816N



I certify that this AIRFRAME-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 1981.6

A/C TOTAL TIME: 1981.6
ENG TOTAL TIME: 1981.6
ENG T.S.M.O.H.: NA
TACH TIME: 1981.6
PROP T.S.M.O.H.: 0.0
PROP TOTAL TIME: 1875.5

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-17). Complied with S.B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Removed the propeller from aircraft N110ER for overhaul. Its P/N B2D34C213 and S/N 100367. The total time on this is 1981.6 hrs and it has not been overhauled. Installed a newly overhauled prop with P/N B2D34C213 and S/N 130168 onto this aircraft N110ER. The hours on this prop are: TT-1875.5 hrs and TSMOH: 0.0 hrs. Replaced lower cowl Teflon bushings. Replaced hardware as needed at the lower wing attach covers.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-00221 Date: 1/17/17

Signature: *[Signature]*
Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

PLACED IN LOG OUT OF SEQUENCE.
SEE PG. 35 FOR NEW LOCATION

This aircraft has been updated with NavData
Cycle: 1705 Which Expires: 05/25/17
ACTT: 2201.4 Tach Time: 2201.4
WO#: 2017 01963 Dated 04/17/17

Signature: *[Signature]*
FAA Repair Station: N3XR816N

KC

Revised 10/06/2023 N51WE Piper Arrow S/N 2844148 Engine 13602.30 TTS 3666.70
Repaired Mandrel Pressure line. Replace and installed new Exhaust Riser P/N 67009-000 and Exhaust Muffler assembly P/N 67517-00AWL. Replace and installed new Prop Gov. gasket P/N SL72053 and Acc. Drive Adaptor Gasket P/N SL683151AW Piper Aircraft, Inc. PA-28R-201, Arrow Maintenance Manual, 79-00-99 and 61-20-00.

Gregory Warton #3807766 AWP 1A Date: 7/6/23 Signature: *[Signature]*

DATE
TACH OR
HOBBS
TIME:

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

Completed 100 HR inspection IAW FAR 39.101 and 39.103. Replaced PA-28R-201 M/M. Replaced ADs through out the aircraft. Inspected and serviced as needed. Cleaned & lubed yoke shafts. Insp. ELT for operation.
I certify that this aircraft has been inspected IAW 100 HR inspection and has been determined to be in airworthy condition.

Josh Kennedy AWP#4653415 Date: 9/1/23 Signature: *[Signature]*

Completed 100 HR inspection IAW FAR 39.101 and 39.103. Replaced PA-28R-201 M/M. Replaced ADs through out the aircraft. Inspected and serviced as needed. Cleaned & lubed yoke shafts. Insp. ELT for operation.
I certify that this aircraft has been inspected IAW 100 HR inspection and has been determined to be in airworthy condition.

Gregory Warton #3807766 Date: 9/1/23 Signature: *[Signature]*

NEW AND SERVICEABLE
PARTS TAGS



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N110ER

Tach Time: 1767.9

Tach time: 1767.9

Removed equipment:

GDL 90 UAT, P/N: 430-6081-100-000, S/N: 29101062.

Installed equipment:

GDL88D UAT ADSB (Automatic Dependent Surveillance Broadcast) traffic reporting system, P/N: 010-00862-30, S/N: 22W000749.

Performed system configuration and ground check-out IAW GDL88 Installation manual 190-01310-00 Rev: 1 section: 5. and IAW AC20-165B section: 4, per paragraph 91.227 (d).

Complied with Garmin Service Bulletins:

- No.: 1647 Rev. A GDL 84/88 Software upgrade to SSV 3.34.

- No.: 1623 Rev. A GDL 84/88 Software upgrade to SSV 3.33.

- No.: 1520 Rev. B, Software upgrade for G500/600: GDU 620 V 7.00, GRS 77 v3.04, and

GDC 74 v3.11.

- No.: 1509 Rev. B GMX 200 Software upgrade 2.14.

Perform weight and balance to reflect the changes.

File form 337 with FAA.

Post installation operational check flight tracking is filed with the FAA AWA AFSS Next Gen, IAW 14 CFR, AC 20-165B Section: 4.3.1.1.1 per paragraph: 91.227. Copy is in file in aircraft records.

The following documents were utilized for this installation:

TCCA GDL 84-88 Part 27 STC SH15-50 Rev: 1 December, 2015

STC SR02123SE Permission Letter PRM SR02123SE January 1, 2015.

STC SA02119SE with AML, SA02119SE October 1, 2015.

GDL 84/88 Part 23 AML STC Installation Manual 190-01310-00 Rev: 1, October 1, 2015

GDL 84/88 Part TSO Installation Manual 190-01122-00 Rev: J, April 1, 2015

Master Drawing List GDL 84/88 Part 23 AML STC 005-00645-02 Rev: 8, October 1, 2015.

Instructions for Continued Airworthiness GDL84/88 Part 23 AML STC 190-01310-01 Rev: 3, October 1, 2015.

GMX200 Installation Manual p/n: 005-C0315-00 Rev: E, February 28, 2015.

GTX 330/330 D Installation Manual p/n: 190-00207-02 Rev: Z October 31, 2015.

G500/600 AML STC Installation Manual p/n: 190-00601-06 Rev: N, October 31, 2015.

Equipment List, GDL 84/88 Part 23 AML STC 005-00645-03 Rev: 9, September 1, 2015.

Operational check was performed using Aeroflex IFR 6000 Transponder and ADSB tester, s/n 104005257 Cal date May 26, 2017, and AISS393B, s/n 393-000-180, CAL date April 14, 2017.

In compliance with FAR 91.411 (a) and in accordance with the requirements outlined in FAR 43 Appendix E (a), the static system has been inspected and is approved for return to service. In compliance with FAR 91.411 and, 91.413, and in accordance with FAR 43 appendix E (c) (a), and F (a - j). I certify that the Transponder and installation make: GARMIN, Model GTX 330, s/n: 84147147, meet all the requirements.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order:

WO # RMS20164677

Date: 10/05/2016

Signed: 

Repair Station N3XR816N.

Jacques D'Philippe ERAU 25	
N3XR816N	8434

ch OR
JBBS
ME :

MAINTENANCE LOG



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition.
Time in Service : 1786.8

A/C TOTAL TIME	1786.8
ENG TOTAL TIME	1786.8
ENG T.S.M.O.H.	NA
TACH TIME	1786.8
PROP T.S.M.O.H.	NA
PROP TOTAL TIME	1786.8

OR
WORK

Complied with: ANNUAL Inspection

Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (04-17). Complied with S. B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Replaced right aileron inboard static wick. Replaced LMG brake pads. Tightened the center torque link bolt on the LMG. Replaced cabin door stop. Replaced Teflon bushings on the lower cowl. Retorqued the lower left and lower right engine mount bolts at the firewall. Replaced prop spinner cuff. Stop drilled small crack on the upper right engine baffle.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order WO # RMS 2016-04807 Date: 10/13/16

Signed

Repair Station N3XR816N

Ralph Wixon

ERAU 30

N3XR816N

9130



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

AIRCRAFT-PA28R
N110ER

Time in Service : 1832.9

A/C TOTAL TIME	1832.9
ENG TOTAL TIME	1832.9
ENG T.S.M.O.H.	NA
TACH TIME	1832.9
PROP T.S.M.O.H.	NA
PROP TOTAL TIME	1832.9

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Removed LMG wheel / tire assembly and replaced with a serviceable shop built up tire assembly.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order WO # RMS 2016-05187 Date: 11/1/16

Signed

Repair Station N3XR816N

Ralph Wixon

ERAU 30

N3XR816N

9130



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition.
Time in Service : 1883.6

A/C TOTAL TIME	1883.6
ENG TOTAL TIME	1883.6
ENG T.S.M.O.H.	N/A
TACH TIME	1883.6
PROP T.S.M.O.H.	N/A
PROP TOTAL TIME	1883.6

Complied with: ANNUAL Inspection.

Replaced vacuum relief filter. Serviced: hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-2021) & FAR 91.207 Date (04-2017). Complied with: S. B. 636 (Ignition switch), SB11569 (replaced bolt), and hydraulic fluid contamination check. Cleaned, insp, and repacked nose wheel bearings. Lubed stab trim actuator. Replaced panel light switch and resistor, removed inop placard. Removed fit seats and installed seat covers, reinstalled front seats and stops. Replaced co-pilots seat adjust cable. Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2016 05659 Date: 29 NOV 2016

Signed

Repair Station N3XR816N

Steve Johnson

ERAU 9

N3XR816N

7691

NE

LE

NEW AND SERVICEABLE PARTS TAGS

DATE TACH OR HOBBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N110ER

Total Time 1901.7

Tach Time 1901.7

Troubleshoot the Alternator system Replaced alternator out switch p/n 587863 s/n 80116404, installed p/n 587-863 s/n 80116404 Performed operational check of charging system No defects noted

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Permanent details of the repair inspection are on file at the Repair Station under this work order WO # RMS 2016 05783 Date 12/05/2016

Signature

[Signature]

Repair Station N3XR816N

Jacques D'Philippe ERAU 25
N3XR816N 8434

This aircraft has been updated with NavData
Cycle 1613 Which Expires, 01/05/16
AC TT 1901.7 Tach Time 1901.7
WO# 2016 05847 Dated 12/08/16

Signature: *[Signature]*
FAA Repair Station: N3XR816N



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N110ER

Total Time 1981.6

Tach Time 1981.6

Disconnected rt. fuel tank fuel line and fitting, disconnected rt. fuel sender wire, removed fuel tank, removed bottom wing skin section from WS 90-19 to 106-19 and from front spar to rear spar. Installed new skin section of same alloy material and thickness IAW AC 43-13-1B section 4 PAR 4-57. Cut new access panel hole as original, installed reinforcement ring, primed and painted parts. Installed rt. fuel tank, connected rt. fuel tank fuel line, fitting and fuel sender unit wire. Refuel rt. tank and leak checked. No leaks noted. Closed all access panels.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Permanent details of the repair inspection are on file at the Repair Station under this work order WO # RMS 2017 0239 Date 01/25/2017

Signature: *[Signature]*

Repair Station N3XR816N

Victor Oliveras ERAU 34
N3XR816N 2501

AIRFRAME MAINTENANCE LOG

DATE TACH OR HOBBBS TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that the AIRCRAFT PARTS TAGS have been inspected in accordance with the ANNUAL inspection and was found to be in an airworthy condition.
Time on Service 1981.6

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd. fluid, battery & term. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. EIT & battery (04-22) & PAR 91.207 Date (04-17). Complied with S. B. 636 (signature posted). Performed reaction test and emergency gear extension. Removed the propeller from aircraft N110ER for overhaul. Its P/N B2D34C213 and S/N 130168. The total time on this at 1981.6 hrs and it has not been overhauled. Installed a newly overhauled prop with P/N B2D34C213 and S/N 130168 onto this aircraft N110ER. The hours on this prop are TT-1875.5 hrs and TSMOH-0.0 hrs. Replaced lower cowling Tach readings. Replaced hardware as needed at the lower wing attach covers.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Permanent details of the repair inspection are on file at the Repair Station under this work order WO # RMS 2017 00221 Date 1/17/17

Signature: *[Signature]*

Repair Station N3XR816N

Its ph Wixon ERAU 30
N3XR816N 9130

A/C TOTAL TIME 1981.6
END TOTAL TIME 1981.6
END T.S.M.O.H. NA
TACH TIME 1981.6
PROP T.S.M.O.H. 0.0
PROP TOTAL TIME 1875.5



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N110ER

Total Time 1983.5

Tach Time 1983.5

Prop TT: 1877.4

Prop TSMOH: 1.9

Removed propeller, B2D34C213-B, s/n 130168 Prop TT 1877.4, Prop TSMOH 1.9

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Permanent details of the repair inspection are on file at the Repair Station under this work order WO # RMS 2017 00380 Date 26 JAN 2017

Signature: *[Signature]*

Repair Station N3XR816N

Steven Johnson ERAU 9
N3XR816N 7619

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

This aircraft has been updated with NavData
Cycle 1702 Which Expires: 03/01/17
AC TT: 1702 Tach Time: 1702
WO#: 2017 00497 Dated 02/01/17

DAT 110

Signature: *[Signature]*
FAA Repair Station: N3XR816N

DESCRIPTION OF WORK PERFORMED.
JUST BE ENDORSED WITH REPAIR STATION NUMBER OR
CERTIFICATE NUMBER OF PERSON PERFORMING WORK



N110ER

Total Time 1,983.5
Tach Time 1,983.5

Disconnected rt. fuel tank fuel line and fitting, disconnected rt. fuel sender wire, removed fuel tank, removed previously wing skin repair from WS 86.19 to WS 106.19 and from front spar to rear spar and installed new skin section of same alloy material and thickness from WS 86.69 to WS 106.19 and from front spar to rear spar (AW AC 43.13.1B section 4 PAR 4.57. Cut new access panel hole an original, installed reinforcement ring, primed and painted parts. Installed rt. fuel tank, connected rt. fuel tank fuel line, fitting and fuel sender unit wire. Refueled rt. tank and leak checked. No leaks noted. Closed all access panels.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair inspection are on file at the Repair Station under this work order. WO # RMS 2017 00380 Date: 01/08/2017

Signature: *[Signature]* Repair Station N3XR816N

Signature: *[Signature]* ERAU 34
N3XR816N 2501



N110ER

Total Time 1,983.5
Tach Time 1,983.5

Installed overhauled propeller: 02D34C213-B, sn 130710 Prop TT 1954.1, TSMOH 0.0 Prop installed in accordance with P2428 Maintenance Manual Section 61-10-00 para C

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair inspection are on file at the Repair Station under this work order. WO # RMS 2017 00380 Date: 07 FEB 2017

Signature: *[Signature]* Repair Station N3XR816N

Signature: *[Signature]* ERAU 34
N3XR816N 7691

AIRFRAME MAINTENANCE LOG



AIRFRAME-PA28R
N110ER

Time in Service 2025.7

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Inspected LT tire for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair inspection are on file at the Repair Station under this work order. WO # RMS 2017 00066

Date: 2/22/17

Signature: *[Signature]*

Repair Station N3XR816N

Signature: *[Signature]* ERAU 30
N3XR816N 9130

AC TOTAL TIME 2025.7
ENG TOTAL TIME 2025.7
ENG TSMOH N/A
TACH TIME 2025.7
PROP TSMOH 42.2
PROP TOTAL TIME 1983.5

NUMBER OR
WORK

This aircraft has been updated with NavData
Cycle: 1702 Which Expires: 03/01/17
AC TT: 2025.7 Tach Time: 2025.7
WO#: 2017 00869 Dated 03/01/17

110

Signature: *[Signature]*
FAA Repair Station:

AC TOTAL TIME 2028.2
ENG TOTAL TIME 2028.2
ENG TSMOH N/A
TACH TIME 2028.2
PROP TSMOH 94.7
PROP TOTAL TIME 2048.8

Replaced fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Inspected vacuum relief filter. Serviced fuel, battery & tires. Complied with S.B. 636 (Ignition switch). C.W. GDL8890 ICA insp. Replaced RT brake pads, LMG down lock spring, and LT tire w/ up, and repacked nose wheel bearings. Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair inspection are on file at the Repair Station under this work order. WO # RMS 2017 01240 Date: 17 MAR 2017

Signature: *[Signature]* Repair Station N3XR816N

Signature: *[Signature]* ERAU 34
N3XR816N 7691



I certify that this AIRCRAFT-P28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service 2028.2

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced fuel, battery & tires.

gear Insp ELT & battery (04-2021) & F.A.R. 91.207 Date (03-2019). Performed CO test. Cleaned & lubed yoke shafts & landing gear. Inspected vacuum relief filter. Serviced fuel, battery & tires. Complied with S.B. 636 (Ignition switch). C.W. GDL8890 ICA insp. Replaced RT brake pads, LMG down lock spring, and LT tire w/ up, and repacked nose wheel bearings. Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair inspection are on file at the Repair Station under this work order. WO # RMS 2017 01240 Date: 17 MAR 2017

Signature: *[Signature]*

Repair Station N3XR816N

AC TOTAL TIME 2028.2
ENG TOTAL TIME 2028.2
ENG TSMOH N/A
TACH TIME 2028.2
PROP TSMOH 94.7
PROP TOTAL TIME 2048.8

Signature: *[Signature]* ERAU 34
N3XR816N 7691

PARTS TAGS

NEW AND SERVICEABLE RTS TAGS

This aircraft has been updated with NavData
Cycle: 1704 Which Expires: 04/27/17
ACTT: 2/1/19.2 Tach Time: 2/1/19.2
WOM: 2017 01469 Dated 03/29/17

Signature: *[Signature]*
110 FAA Repair Station: N3XR816N

DATE



AIRFRAME-PA28R

N110ER

Time in Service: 2124.7

A/C TOTAL TIME: 2124.7
ENG TOTAL TIME: 2124.7
ENG T S M O H: NA
TACH TIME: 2124.7
PROP T S M O H: 141.2
PROP TOTAL TIME: 2095.3

ATED.
ATION NUMBER OR
N PERFORMING WORK

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-01507
Date: 3/30/17

Signature: *[Signature]* Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130



AIRFRAME

N110ER

Tach Time: 2134.2

A/C TOTAL TIME: 2134.2
ENG TOTAL TIME: 4079.5
ENG T S M O H: NA
TACH TIME: 2134.2
PROP T S M O H: 150.7
PROP TOTAL TIME: 2104.8

Removed engine P/N IO-360-C1C6 S/N L-36287-51A and all related accessories and installed an overhauled engine P/N IO-360-C1C6 S/N L-30389-51A and related accessories. New lord mounts, hoses, hardware & oil drain valve. Complied with AD84-26-02 by replacing induction air filter. Replaced throttle cable and heat shield intake hose. Replaced engine fuel/oil hoses. The engine and related accessories were changed as follows:

ITEM	REMOVED			INSTALLED			
	PART#	SERIAL #	TIS/TSO	PART#	SERIAL #	TIS/TSO	
ENGINE	IO-360-C1C6	L-36287-51A	2134.2 TIS	IO-360-C1C6	L-30389-51A	0.0 TSO	
PROP	82034C213-B	130710	150.7 TSO	82034C213-B	130710	150.7 TSO	
STARTER	1413-N	PA-281481	629.3 TIS	PA-281481	PA-281481	629.3 TIS	
ALTERNATOR	ALX-8521	HA-0090754	2134.2 TIS	ALX-8521	HA-0110101	0.0 TSO	
OIL COOLER	20017A	K10-9044-8	2134.2 TIS	20017A	403-2703-4	0.0 TSO	
MAGNETO (S)	L	4172	16070628	250.6 TIS	4172	12110202	0.0 TSO
	R	4170	14021174	250.6 TSO	4170	15011193	0.0 TSO
INJECTOR	2524450-9	AV171461297	2134.2 TIS	2524450-9	70257910	0.0 TSO	
FUEL PUMP	15W-15471	H2013	2134.2 TIS	15W-15471	09AN605	0.0 TSO	
DISTRIBUTOR	78805	AV171461589	2134.2 TIS	2524232-2	ADC4329	0.0 TSO	
GOVERNOR	463-156	G128WJ	2134.2 TIS	463-156	G128WJ	2134.2 TIS	

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 01560
Date: 06 APR 2017

Signature: *[Signature]* Repair Station N3XR816N

Steve Johnson ERAU 9
N3XR816N 7651

AIRFRAME MAINTENANCE LOG

ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



N110ER

Total Time: 2151.9

Tach Time: 2151.9

Removed the upper engine cowling to gain access to the engine compartment. Found the electric fuel pump is not operational. Removed the old fuel pump P/N B8120-G S/N 152737. Replaced the old fittings and installed them onto the new fuel pump. Installed the new fuel pump B8120-G S/N 189588. Performed ops check. Operational check good. No leaks detected. Performed ground run-up. No defects noted. The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 01698
Date: 04/12/17

Signature: *[Signature]* Repair Station N3XR816N

Daniel Stinelini ERAU 44
N3XR816N 9244



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition.
Time in Service: 2173.2

Complied with ANNUAL Inspection.
Replaced vacuum relief filter. Serviced hyd. fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (03-18). Complied with S. B. 636 (Ignition switch). Performed retraction test and emergency gear extension. Replaced both Teflon bushings on the lower cowl. Replaced one spinner cuff as needed. Removed RMG and nose gear wheel / tire assemblies and replaced with serviceable shop built up assemblies. Replaced right aileron outboard static wick. Replaced both left and right main gear downlock spring attach plates. Tightened right gear lower torque link bolt as needed. Replaced nose gear actuator forward clevis bolt.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-01810
Date: 4/18/17

Signature: *[Signature]* Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130



AIRFRAME-PA28R

N110ER

Time in Service: 2217.9

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Replaced LMG brake pads. Replaced cowl camlocks as needed. GDI-88 was reset and the needs service light cleared.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-02039
Date: 5/2/17


Signature: *[Signature]* Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130

A/C Reg'd: N51WE

EABLE

NEW AND SERVICEABLE PARTS TAGS

DATE	 <p>I certify that this AIRCRAFT PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition. Time in Service: 2268.9</p> <p>Complied with ANNUAL inspection. Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (03-18). Completed hydraulic fluid retraction test and emergency gear extension. Replaced pilots defrost seat in front of the firewall. Completed hydraulic fluid contamination check with no defects noted. Completed airframe inspection as needed for a minor flap overspeed. Replaced RMG brake pads. Replaced o rings in the RMG brake caliper and bleed system. Tightened RMG LMG torque link center bolts.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017-02245 Date 5/17/17</p> <p>Signed <i>[Signature]</i> Repair Station N3XR816N</p>	<table border="1"> <tr><td>A/C TOTAL TIME</td><td>2268.9</td></tr> <tr><td>ENG TOTAL TIME</td><td>4314.2</td></tr> <tr><td>ENG T S M O H</td><td>134.7</td></tr> <tr><td>TACH TIME</td><td>2268.9</td></tr> <tr><td>PROP T S M O H</td><td>285.4</td></tr> <tr><td>PROP TOTAL TIME</td><td>2239.5</td></tr> </table>	A/C TOTAL TIME	2268.9	ENG TOTAL TIME	4314.2	ENG T S M O H	134.7	TACH TIME	2268.9	PROP T S M O H	285.4	PROP TOTAL TIME	2239.5	NUMBER OF FORMING WORK
A/C TOTAL TIME		2268.9													
ENG TOTAL TIME	4314.2														
ENG T S M O H	134.7														
TACH TIME	2268.9														
PROP T S M O H	285.4														
PROP TOTAL TIME	2239.5														
		<table border="1"> <tr><td>Ralph Wixon</td><td>ERAU 30</td></tr> <tr><td>N3XR816N</td><td>9130</td></tr> </table>	Ralph Wixon	ERAU 30	N3XR816N	9130									
Ralph Wixon	ERAU 30														
N3XR816N	9130														



N 110ER

Total Time: 2268.9 Tach Time: 2268.9

Airworthiness Directive 2017-04-06 United Instruments, Inc. Amendment 39-18801 NA by S/N, per par (c)

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station

Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station

under this work order. WO # RMS 2017-02245 Date: 5-17-17

Signed *[Signature]* Repair Station N3XR816N

Lyle Swindeland	ERAU 1
N3XR816N	1695

This aircraft has been updated with NavData

Cycle: 1708 Which Expires: 06/22/17

AC TT: 2273.1 Tach Time: 2273.1

WOR: 2017 02348 Dated 05/24/17

Signature: *[Signature]*

FAA Repair Station: N3XR816N

110

TACH OR
HOBBS
TIME :

ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



AIRFRAME-PA28R
N110ER

Time in Service: 2310.2

Dave Ober	ERAU 16
N3XR816N	1578

A/C TOTAL TIME	2310.2
ENG TOTAL TIME	4255.5
ENG T S M O H	126.0
TACH TIME	2310.2
PROP T S M O H	326.7
PROP TOTAL TIME	2280.8

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed. Hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017 02497 Date 4/27/17

Signed *[Signature]* Repair Station N3XR816N

This aircraft has been updated with NavData
Cycle: 1707 Which Expires: 07/20/17

AC TT: 2344.1 Tach Time: 2344.1

WOR: 2017 02748 Dated 06/21/17

Signature: *[Signature]*
FAA Repair Station: N3XR816N

110



I certify that this AIRCRAFT-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition. Time in Service: 2366.4

Complied with ANNUAL inspection.

Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (03/18). Complied with S. B. 636 (ignition switch). Replaced nose gear drag link bolt. C/W GMX ICA inspection and standby A/I battery ICA inspection. Replaced nose gear up stop. Resealed right main gear actuator fitting. Performed retraction test and emergency gear extension.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017 02834 Date 06/27/17

Signed *[Signature]* Repair Station N3XR816N

A. Zuccato	ERAU 38
N3XR816N	8755

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

[illegible]

DATE

TACH OR
HOBBS
TIME :

MAINTENANCE LOG

DESCRIPTION OF WORK PERFORMED.

ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

EMBRY-RIDDLE

AERONAUTICAL UNIVERSITY

N110ER

Total Time: 2461.3

Tach Time: 2461.3

Performed operational check and systems correlation using IFR ATC 6000 s/n 104005257 CAL DATE: June 6, 2017 and pito/static tester model number 393 D s/n 393-000180 Cal date: May 11, 2017. In compliance with FAR 91.411 (a) and FAR 91.413(b) and in accordance with the requirements outlined in FAR 43 Appendix E (a), (b), and (c) the static system and correlation has been inspected and is approved for return to service.

The aircraft, airframe, engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 03380 Date: 08/02/17

Signed:

Repair Station N3XR816N

Daniel Stinelli ERAU 44
N3XR816N 9244

EMBRY-RIDDLE

AERONAUTICAL UNIVERSITY

AIRFRAME-PA28R

N110ER

Time in Service: 2503.1

A/C TOTAL TIME: 2503.1

ENG TOTAL TIME: 4448.4

ENG TSMOH: 368.9

TACH TIME: 2503.1

PROP TSMOH: 519.6

PROP TOTAL TIME: 2473.7

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp ELT for operation. Replaced LT brake pads and landing light switch lamp.

The aircraft, airframe, engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 03668

Signed:

Steve Johnson ERAU 9
N3XR816N 7691

15-17 2476.6 A 2017-14-04 (On Hold) N7 Air Co X1

Signature:

by: Sunderland ERAU 1

N3XR816N 1695

NEW AND SERVICEABLE PARTS TAGS

Date: 11-8-21

Unbrk: 3551.0

AIRCRAFT

AVIONICS WORKS

A/C Reg#: N110E

A/C Serial#: 2844148

NEW AND SERVICEABLE PARTS TAGS

DATE TACH OR HOBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



N110ER

TACTI 2500.0
ACTI 2500.0

Removed the right main gear actuator P/N 455-094 S/N 5455 and installed P/N 455-094 S/N 6171. Performed multiple gear swings to removed air from the system. Checked gear actuator for leaks. No leaks noted. Landing gear functioning normally.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017-03095 Date: 10/03/2017

Signed *SCOTT PARKER* N3XR816N

SCOTT PARKER
CRS N3XR816N

This aircraft has been updated with NavData
Cycle: 1710 Which Expires: 10/12/17
AC TT: 2540.0 Tach Time: 2540.0
WO#: 2017 06841 Dated 09/13/17

Signature: *SCOTT PARKER*
FAA Repair Station: N3XR816N



I certify that this AIRCRAFT (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 2554.6

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp ELT & battery (04-2021) & FAR 91.207 Date (03-2018). Complied with S. B. 636 (ignition switch). Performed retraction test and emergency gear extension. Replaced LMG actuator. Adjusted aileron cable tension. Re-installed pilots air vent. Removed oil cooler, flushed, and re-installed. Tightened and secured hardware at throttle control rod end. Removed propeller, deslugged crank shaft/prop, re-installed prop, and safetied bolts.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017-04057 Date: 21 SEPT 2017

Signed *Jack P. P...* A&P/IAH 3665959

A/C TOTAL TIME: 2554.6
ENG TOTAL TIME: 4499.9
ENG T S M O H: 430.4
TACH TIME: 2554.6
PROP T S M O H: 571.1
PROP TOTAL TIME: 2555.2

This aircraft has been updated with NavData
Cycle: 1711 Which Expires: 11/09/17
AC TT: 2586.3 Tach Time: 2586.3
WO#: 2017 04454 Dated 10/11/17

Signature: *SCOTT PARKER*
FAA Repair Station: N3XR816N



AIRFRAME-PA28R
N110ER

Time in Service: 2506.9

A/C TOTAL TIME: 2506.9
ENG TOTAL TIME: 4542.2
ENG T S M O H: 463.7
TACH TIME: 2506.9
PROP T S M O H: 613.4
PROP TOTAL TIME: 2567.5

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp ELT for operation. Removed LMG wheel / tire assembly and replaced with a serviceable shop built up assembly.
Replaced fuel line from pump to servo.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017-04595 Date: 10/19/17

Signed *SCOTT PARKER* Repair Station N3XR816N

Ralph Wixon ERAU 30
N3XR816N 9130



N110ER

Total Time: 2607.0
Tach Time: 2607.0

Removed the upper and lower engine cowlings to gain access to the engine. Removed the cracked upper and lower engine cowlings. Installed a new muffler and cylinder #1 exhaust riser. Re-installed the forward exhaust muffler and installed a new muffler and cylinder #1 exhaust riser. Re-installed the upper and lower engine cowlings. No other defects noted, engine run up ops check good aircraft ok for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2017-04681 Date: 10/25/17

Signed *CHRIS BROOKS* Repair Station N3XR816N

CHRIS BROOKS
N3XR816N

NEW

K & K
PRECISION WELDING
2083 Hwy. L Unit 15
East Troy, WI 53120
FAA Repair Station #XKKA436L

DATE: 4.20.17
SIGNED: K. Weckendy (assembler)
SIGNED: K. Weckendy (inspector)
ORDER NO: 6178
MAKE: Piper MODEL: 28R201

RETURN TO SERVICE
THE COMPONENT IDENTIFIED HEREON WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.
PERTINENT DETAILS OF THE REPAIR/REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER:

Date: 11-8-21
Hobbs: 3551.0

AIRCRAFT
AVIONICS WORKS

A/C Reg#: N51WE
A/C Serial#: 2844748

NEW AND SERVICEABLE PARTS TAGS

DATE TACH OR HOBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



N110ER

Total Time: 2616.1
Tach Time: 0.1

Replaced tachometer, 599-282, s/n off 43922 (reading 2616 hrs), s/n on 45624 (reading 0.1 hrs) Performed post MX run up and both tach and MP gauges operated normal. Ops check good. No other defects noted at this time. A/C OK for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS2017-04781 Date: 30 OCT 2017

Signed: *Carlos Elias* Repair Station N3XR816N

CARLOS ELIAS

N3XR816N

This aircraft has been updated with NavData
Cycle: 1712 Which Expires: 12/07/17
AC TT: 2706.7 Tach Time: 26.2
WOR: 2017 05023 Dated 11/08/17

Signature: *Charles Stewart*
FAA Repair Station: N3XR816N



I certify that this AIRCRAFT PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 2642.8

Complied with ANNUAL inspection.
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp. ELT & battery (04-21) & FAR 91.207 Date (03-18). Complied with S. B. 636 (ignition switch). Performed retraction test and emergency gear extension. Completed hydraulic fluid contamination check. Installed spiral wrap on cable next to prop governor to prevent chaffing. Removed Noise and RMG wheel / tire assemblies and replaced with serviceable shop built up assemblies. Troubleshoot overhead lights not working; repaired ground wire and replaced bulbs as needed. Replaced 4 instrument light bulbs as needed. Disassembled LMG down lock assembly; cleaned, lubed, and reinstalled. Replaced both cabin door hinge pins. Replaced LMG and RMG brake pads.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS2017-05118 Date: 11/08/17

Signed: *Wixson* Repair Station N3XR816N

A/C TOTAL TIME: 2642.8
ENG TOTAL TIME: 4595.1
ENG T S M O H: 515.6
TACH TIME: 33.8
PROP T S M O H: 665.8
PROP TOTAL TIME: 2620.4

N3XR816N ERAU 30
N3XR816N 9130

DATE TACH OR HOBBS TIME :



AIRFRAME-PA28R

N110ER

Time in Service: 2698.3

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Inspected and serviced as needed: hydraulic fluid, battery, and tires. Inspected interior & exterior lighting, brake linings & calipers. Inspected interior & exterior for general condition. Cleaned & lubed yoke shafts. Insp. ELT for operation. Replace bulb in panel light.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS2017-05529 Date: 12/05/17

Signed: *A. Zaccaria*

Repair Station N3XR816N
Ai Zaccaria ERAU 38
N3XR816N 8755

A/C TOTAL TIME: 2698.3
ENG TOTAL TIME: 4643.6
ENG T S M O H: 564.7
TACH TIME: 82.3
PROP T S M O H: 714.8
PROP TOTAL TIME: 2668.9

OR WORK

This aircraft has been updated with NavData
Cycle: 1713 Which Expires: 01/04/18
AC TT: 2706.7 Tach Time: 24.7
WOR: 2017 05543 Dated 12/06/17

Signature: *Charles Stewart*
FAA Repair Station: N3XR816N



N110ER

Total Time: 2709.1
Tach Time: 93.1

Replaced propeller, B2D34C213-B, s/n off 130710, s/n on 131016. Repaired propeller installed TT: 2516.7, TSMOH: 580.7. Work accomplished in accordance with PA28R Service Manual Section 61-10-00.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS2017-05699 Date: 14 DEC 2017

Signed: *Charles Stewart* Repair Station N3XR816N

Charles Stewart ERAU6
N3XR816N 2613

NEW

N110ER

1 Approving Civil Aviation Authority/Country: **FAA/United States**

2 AUTHORIZED RELEASE
FAA Form 8130-3, AIRWORTHINESS
Pilot's Airworthiness
1600 Airport Road
Waterford, MI 48327

3 Organization Name and Address: **EMBRY-RIDDLE AERONAUTICAL UNIVERSITY**

4 Item: 17 Description: **OILDYNE HYD. PWR. PK.**

5 Item: 108AMC19SP-AL-1VT

6 Remarks: **OVERHAULED IN ACCORDANCE WITH MANUFACTURER'S SPE**

7 Certifies the items identified above were manufactured in conformity to:
☐ Approval of design data and are in a condition for safe operation
☐ Non-approved design data identified in Block 17

Date: 11-8-21
Hobbs: 3351.0
M/M: 2133

AIRCRAFT
AVIONICS WORKS
Aircraft 1 on

A/C Reg#: N51WE
A/C Serial#: 2844748
A/C Model: DA 900 7013

NEW AND SERVICEABLE



N110ER
Total Time: 2710.1
Tach Time: 94.1

Replaced hydraulic power pack, 38992-805, s/n off unknown, s/n on 214738Z and replaced free fall valve(89375-000) Work accomplished in accordance with PA28R Maintenance Manual Section 29-10-00, para 2 Leak check satisfactory Re-installed back seat flooring and seats.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 05716 Date 15 DEC 2017

Signed: *[Signature]* Repair Station N3XR816N

REMED.
STATION NUMBER OR
ON PERFORMING WORK

This aircraft has been updated with NavData

Cycle: 1801 Which Expires: 02/01/18

AC TT: 2710.1 Tach Time: 102.0

WO#: 2018 00007 Dated 01/03/18

Signature: *[Signature]*

110 FAA Repair Station: N3XR816N



I certify that this AIRCRAFT (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service: 2739.9

Complied with ANNUAL inspection
Replaced vacuum relief filter. Serviced hyd fluid, battery & tires. Performed CO test. Cleaned & lubed yoke shafts & landing gear. Insp ELT & battery (04-21) & FAR 91.207 Date (03/18) Complied with S. B. 636 (ignition switch). Performed retraction test and emergency gear extension. Complied with Piper Aircraft S.B. #1309 with no defects noted. Complied with Piper Aircraft S.B. #1313 with no defects noted. Tightened and secured nav light switch back lighting hardware, removed and replaced LH spar panel cover riv nut, installed missing cotter pin on RMG center torque link. Cleaned and lubed RMG J-hook and installed new bolt and secured with cotter pins. Cleaned and lubed RMG side brace hardware and re-secured with new cotter pin. Lubed N.G. left hand transmission bolt hardware. No further defects noted aircraft ok for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2018 001880 Date: 01/16/18

Signed: *[Signature]* Repair Station N3XR816N
Korey Dickerson ERAU 45
N3XR816N 1619

A/C TOTAL TIME: 2739.9
ENG TOTAL TIME: 4685.2
ENG T S M O H: 605.7
TACH TIME: 123.9
PROP T S M O H: 611.5
PROP TOTAL TIME: 2547.5

DATE TACH OR
HOBBSS
TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

N110ER

Tach Time: 138.6

Total time: 2754.6

Removed equipment: GDL88D UAT ADSB traffic reporting system, P/N: 011-02372-00, S/N: 22W000749. Installed P/N: 011-02372-00, S/N: 22W000769.
Performed system configuration and ground check-out IAW GDL88 Installation manual 190-01310-00
Rev: 1 section: 5. No defects noted.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order:

WO # RMS 2018 00354 Date: 01/24/2018

Signed: *[Signature]* Repair Station N3XR816N.

Jacques DiPhilippe ERAU 25
N3XR816N 8434

AIRFRAME ACTT: 2757.2
N110ER TACH: 141.2

Complied with A.D. 2018-02-05 by completing S.B. 1309 dated 10 Oct 17. Placards are correctly installed on fuel selector panel. No further issues noted. Aircraft returned to service.
Work Order: RMS 2018 00352, Date: 25 Jan 18

Signature: *[Signature]*
Samus S. Ford URM 10

This aircraft has been updated with NavData
Cycle: 1802 Which Expires: 03/01/18
AC TT: 2769.2 Tach Time: 153.2
WO#: 2018 00463 Dated 01/30/18

Signature: *[Signature]*
FAA Repair Station: N3XR816N

NEW AND SERVICEABLE PARTS TAGS

Date: 11-9-21
Hobbs: 3551.0
WO#: 2133

AIRCRAFT
AVIONICS WORKS
Aircraft Log

A/C Reg#: N51WE
A/C Serial#: 2844148
A/C Model: PA-28R-201

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRCRAFT/ENGINE APPROVAL ST-TAG

1. Approving Civil Aviation Authority/Category: **FAA/Dallas Station**

2. Part Number: **9015607**

3. Time Tracking Number: **6040626**

4. Date: **100**

5. Description: **REPLACEMENT BATTERY "RA"**

6. Quantity: **1**

7. Serial Number: **B18-10007**

8. Remarks: **NEW**

9. Signature: **Texttron Aviation Inc. (PC4) Texttron Aviation Inc. 1 Cassina Blvd, Wichita, KS 67215**

10. Date: **3014740**

11. Authorized Release Document: **Shelflife exp: 12/Feb/2021 POW 30462**

DATE TACH OR HOBBS TIME :

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

This aircraft has been updated with NavData Cycle: 1804, Which Expires: 03/28/18
AC TT: 25354 Tach Time: 289.0
WOM: 2018 01643 Dated 03/28/18
Signature: *Mike Cordes*
FAA Repair Station: N3XR816N



N110ER

Total Time 2905.0
Tach Time 289.0
Installed C1 and D1 spar bolts with new washers and nuts. Torqued per Piper maintenance manual
Ch57-49.00 specifications. Installed interior panels and rear seats. No other defects noted. A/C returned to service

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2018 03071 Date 08/09/2018

Signature: *Mike Cordes* Repair Station N3XR816N
Mike Cordes ERAU 50
N3XR816N 7855



N110ER

Total Time 2905.0
Tach Time 289.0

Placed aircraft on jacks. Cleaned and lubed landing gear. Cleaned, insp, and repacked all wheel bearings. Performed retraction, extension, and emergency extension tests. Replaced fire extinguisher C/W stubby A/I battery ICA insp, replaced battery pack. Replaced compass comparator and performed compass swing. Removed aircraft from jacks.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is accepted for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order. WO # RMS 2018 04069 Date 17 AUG 2018

Signature: *Steve Johnson* Repair Station N3XR816N
Steve Johnson ERAU 9
N3XR816N 7691

2014 Piper PA-28R-201 N110ER, s/n: 2844148, was flown from Daytona Beach, Florida to Bainbridge, Georgia on 10/19/18, parked in an enclosed hangar and locked.

Signed: *Steve Johnson* Date: 4-2-21

For	RADIOS ON					
N	030	060	E	120	150	
360	031	063	088	121	152	
S	210	240	W	300	330	
183	211	241	271	301	330	

Date: 17 AUG 2018
Reg. No: 110ER
Tach: 2,905.0
Initials: Johnson,S.

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

Log Book Entry

Piper PA28R-201 N110ER s/n 2844148

05-05-2021 Tach 293.1 TT 2909.1

Annual inspection completed this date. All cables, pulleys, bellcranks and hinges ck for safety and lubed as required. Wheel bearings cleaned and packed. Retraction test performed thru 5 fault free cycles. Emergency down ck performed. Removed paper air filter and installed Brackett filter assy, p/n BA105 I/A/W STC 693CE. See FAA form 337 dated 05-04-2021. Replaced aircraft battery with new Concorde RG-35AXC s/n 41142178. Elt battery good til Feb 24 and inspected I/A/W F.A.R.91.207(d). Secured cabin air duct with new velcro. AD17-14-04 n/a, TSOC53 Type D hoses installed. AD 18-07-03 n/a, placards on fuel selector properly installed. AD 20-26-16 main spar integrity n/a due to aircraft s/n AD's ck thru 21-09 and are in compliance at this time. I certify that this aircraft was inspected I/A/W and annual inspection and was determined to be in airworthy condition.

Thomas B Ashcroft

Thomas B Ashcroft
A&P 267061041 I.A.

NEW AND SERVICEABLE PARTS TAGS

Date: 11-8-21
Hobbs: 3551.0
WOM: 2133

AIRCRAFT
AVIONICS WORKS
Aircraft Log

A/C Reg#: N51WE
A/C Serial#: 2844148
A/C Model: PA-28R-201

Removed GTX 330 SN:84147147
Removed GDL 88D SN: 22-W000731.

PARTS TAGS



LOG BOOK SUPPLEMENT

DATE	June 14, 2021
MAKE	PIPER
MODEL	ARROW
REGISTRATION	N51WE
SERIAL NUMBER	2844148
PRIMER	IMRON EPOXY PRIMER 13550S
PRIMARY COLOR	IMRON AF402 MATTERHORN WHITE
PAINTED BY	AIRCRAFTERS REFINISHING, LLC

THE AIRCRAFT WAS STRIPPED, SANDED, ACID ETCHED AND ALODINED, PRIMED AND PAINTED WITH THE ABOVE COLOR(S). THE PRIMARY AND SECONDARY FLIGHT CONTROLS WERE REMOVED. THE PRIMARY FLIGHT CONTROLS WERE CHECKED FOR BALANCE BEFORE INSTALLATION. ALL WORK WAS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S MAINTENANCE MANUALS.

SIGNATURE	<i>R. M. W.</i>
LICENSE NUMBER	193-50-0760

AIRFRAME MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK
		<div style="text-align: center;">  <p>AERO TRIM AIRCRAFT INTERIORS</p> </div> <p style="text-align: center;">2924 Curtis King Blvd, Ft Pierce FL 34946 CRS# 5A6R618B</p> <p>PIPER N51WE S/N: 2844148</p> <p>Inspected, removed and reinstalled interior. Headliner (Exceleather, Gazelle) Recovered seats and side panels with vinyl. (Dove US41) Carpet was replaced with (Hafner, Flightline, Color: Graphite Lot# 548-2021).</p> <p><i>All material and work performed is in accordance with Title 14 CFR Part 25 Burn Certification approved and Maintenance. AC 43.13-1B Section 4. Par 9-60 – 9-64</i></p> <p>Work Order No: 21008011 Date: <u>August 11, 2021</u> Printed Name performing the work <u>Yovani Armenta</u> Printed name approving the work <u>Benny Armenta</u> Authorized Signature approving the work:  Certificate Number and type: <u>373788</u></p>

Plane Plastics, Ltd. - FAA/PMA Approved | Date Mfg: 10/8/2014
Order #: 144522

Order #: 144590

Partno: K67556-4 | Bin Loc: 161



Desc: TRIM WINDSHIELD

Make: Piper | Model: PA28-161, 181, 235, R201T, R201T, R180, R200, RT201, RT201T, 140, 180, 150, 160, 151, PA44-180, 180T, 236

RM Lot: OW435082-090



NEW

ICEABLE

Date: 11-8-21
Hobbs: 3551.0
WO#: 2133

**AIRCRAFT
AVIONICS WORKS
Aircraft Log**

A/C Reg#: N51WE
A/C Serial#: 2844148
A/C Model: PA-28R-201

- Removed GTX 330 SN:84147147.
Removed GDL 88D SN: 22W000731.
- Installed GDL 88 SN: 22U000935.
Installed GTX 330 SN: 84129142.
- Using guidance from
STC NO. SA01714WI.
STC NO. SA02119SE.

MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office.

Signature:  Travis Gralle AP3574569

AIRFRAME MAINTENANCE LOG

Aircraft Registration Number: N51WE
Butler Work Order Number: MS20440
Repair Station Work Order Number: 83187

18 November 2021
Repair Station #TF2R185L

NE

The aircraft identified in this entry has been repaired in accordance with current FAA regulations and has been found airworthy and may be returned to service with respect to the work performed. Additional details of the repair are on file with this agency.

Aircraft certified to 20,000ft per FARs 91.411, 91.413, 43 Appendix E&F. Primary Altimeter GDC-74, S/N 20618377. Secondary Altimeter G5, S/N 41Q050826. Standby Altimeter 5934P, S/N 457356. Transponder GTX-330, S/N 84129142.

E

DATE
TAC
HOB
TIME

Signature
Repairman #4391946

RK

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: Tach 3/3.0

Hydraulic reservoir vent/dipstick found overtightened. Serviced LG system w/ 5606 and cycled gear 4x. Inspected system for leaks with no issues found. Bled air from RH brake and serviced brake system w/ 5606. Brake ops check completed. Work done IAW PA-28R-201 AMM

Signed: Justin Pate

Cert. Mechanic: 4391662 AP
IA
Date: 12/09/2021

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC TT 411.8

Completed 100 hr inspection IAW FAR 43 APPENDIX D. Set tension on control surfaces IAW Piper AMM 27-00-00. No applicable AD's due at this time. I certify this aircraft has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition.

Cert. Mechanic: 445/220 A
IA
Date: 01/24/2022

Maintenance
KS 66031

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Cert. Mechanic: 3965513 AP
IA
Date: 02/15/2022

gear hydraulic pump P/N636294 with serviceable unit

Transponder
Altimeter

AIRFRAME MAINTENANCE LOG

DATE TACH OR HOBBS TIME : DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC 3121.2 TT 505.2 EngTT 3121.2 PropTT 2928.8

Completed Annual Inspection IAW FAR 43 Appendix D. No applicable AD's due at this time. ELT battery good till 02/20/24 and inspected IAW FAR 91.207 (d). I certify that this aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition.

Nathaniel Griffith A 445/220

Signed:

Cert. Mechanic: 3965513 AP
IA

Name: Adam Piepke

Date: 02/25/2022

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: Tach 548.6 ACTT 3164.6

Performed a 100 hr inspection IAW FAR 43 app. D and using pa-28r-201 AMM as guide. No applicable AD's due. I certify this aircraft has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.

Signed: Adam Piepke

Cert. Mechanic: 3965513 AP
IA
Date: 03/31/2022

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: Tach 648.4 ACTT 3264.4

Performed a 100 hour inspection IAW FAR 43 Appendix D using PA-28R-201 AMM as reference. No applicable AD's due. I certify that this aircraft has been inspected IAW a 100 hour inspection and has been determined to be in an airworthy condition.

Signed: Nathaniel Griffith

Cert. Mechanic: 4457220 A
IA
Date: 05/26/2022

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC: 3368.1 TT: 752.1 EngTT: 5313.4 SMOH: 1233.3 PropTT: 3176.3 Hobbs: Misc:

Completed Annual Inspection IAW FAR 43 Appendix D. No applicable AD's due at this time. ELT battery expires 02/20/24 inspected IAW FAR 91.207 (d). I certify that this aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition.

Signed: Adam Piepke

Cert. Mechanic: 3965513 AP
IA

Name: Adam Piepke

Date: 07/19/2022

E

AIRFRAME MAINTENANCE LOG

WEST West Aircraft Maintenance
290 Gardner Dr
New Century KS 66031
9137021570

Make: Piper
Model: PA-28R-201
Tail: N51WF
S/N: 28-44148

Hours: AC 3460 1 TT 841 1 EngTT: 5405 5 SMOH 1325 3 PropTT: 3268 3 Hobbs: Misc

Completed Annual Inspection IAW FAR 43 Appendix D. No AD's due at this time. ELT battery expires 02/2024. ELT inspected IAW FAR 91.207 (d). Replaced RH brake linings P/N RA066-14100. I certify that this aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition.

Signed: *Adam Piepke*

Cert: Mechanic 3965513 AP

Name: Adam Piepke

Date: 08/23/2022

DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

WEST West Aircraft Maintenance
290 Gardner Dr
New Century KS 66031
9137021570

Make: Piper
Model: PA-28R-201
Tail: N51WF
S/N: 28-44148

Hours: AC TT 888.4 EngTT PropTT Hobbs Misc

Replaced propeller control rod end P/N 8930A-000

Signed: *Joshua Kennedy*

Cert: Mechanic 4653415 AP
Date: 09/21/2022

WEST West Aircraft Maintenance
290 Gardner Dr
New Century KS 66031
9137021570

Make: Piper
Model: PA-28R-201
Tail: N51WF
S/N: 28-44148

Hours: AC 3523 7 TT 907 7 EngTT 5469 1 TSMOH 1389 5 PropTT 1395 3 Hobbs 4 156 2 Misc

Performed a 100 HR inspection IAW FAR 43 Appendix D using PA-28R-201 AMM as reference. NO applicable AD's due. ELT battery expires 02/2024. Replaced Voltage Regulator P/N H-00371-1 S/N 80x55601. Replaced LH and RH main gear tire Michelin 600-8. Replaced nose gear tire Michelin 500-5. I certify that this aircraft has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Signed: *Joshua Kennedy*

Cert: Mechanic 4653415 AP
Date: 09/30/2022

WEST West Aircraft Maintenance
290 Gardner Dr
New Century KS 66031
9137021570

Make: Piper
Model: PA-28R-201
Tail: N51WF
S/N: 28-44148

Hours: AC TT 987.0 EngTT PropTT Hobbs Misc

Removed electric fuel pump P/N B8120-G S/N 189598. Installed overhauled electric fuel pump P/N B8120-G S/N 59902 Form B130-3 With log books

Signed: *Joshua Kennedy*

Cert: Mechanic 4653415 AP
Date: 11/04/2022

Created 01/24/2023 N51WE Piper Arrow S/N 2844148. tach: 1.003.9 TTIS 3619.9

performed an annual inspection IAW FAR 43 app. D and referencing piper pa-28r-201 AMM. no applicable AD's due. performed ELT inspection IAW FAR 91.207 (d). battery due 02/24. removed compass assy and replaced with serviceable assy from N15CH. sawing compass and updated deviation card. replaced LH brake linings pin 66-105. replaced nose gear up stop pin 37970-005. replaced bent nose gear door rod LH side pin 87362-000. I certify this airplane has been inspected IAW an Annual inspection and has been determined to be in an airworthy condition.

Adam Piepke IA 3965513 Date: 1/24/23 Signature: *Adam Piepke*

AIRFRAME MAINTENANCE LOG

DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

Created 02/20/2023 N51WE Piper Arrow S/N 2844148. Engine 1
1007.50 TTIS 3623.50 *new TT 3499.1*

Removed and replaced tachometer P/N 599-282

Josh Kennedy #4653415 Date: 2/20/23 Signature: *Josh Kennedy*

Created 03/14/2023 N51WE Piper Arrow S/N 2844148. Engine 1
3505.20 TTIS ~~6124.20~~ *3030.9*

Removed and replaced nose tire tube P/N GL-5067N. JAW PA-28R-201 AMM.

Josh Kennedy #4653415 Date: 3/14/23 Signature: *Josh Kennedy*

Created 05/22/2023 N51WE Piper Arrow S/N 2844148. Engine 1
3561.00 TTIS 3625.40
Removed Garmin CNS430 and installed Avionics IFD 440 ops check good. Weight change is negligible and equipment list revised.

Gregory Warton #3807766 IA A&P Date: 5/22/23 Signature: *Gregory Warton*

Created 05/22/2023 N51WE Piper Arrow S/N 2844148. Engine 1 3561.00 TTIS 3625.40
Removed Garmin CNS430 and installed Avionics IFD 440 ops check good. Weight change is negligible and equipment list revised.

Gregory Warton #3807766 IA A&P Date: 5/22/23 Signature: *Gregory Warton*

9/22/23 10:33 AM

leaking LH main tube - N51WE Piper Arrow

Created 09/22/2023 N51WE Piper Arrow S/N 2844148. Engine 1 3645.40 TTIS
3700.80
Replaced leaking LH main gear tube with new tube P/N GL-43106 6-00-6 using Piper PA-28R-201 AMM section 2 as reference. Installed tire assembly to 30PSI using Piper PA-28R-201 AMM section 2 as reference.

Gregory Warton # Date: 9/22/23 Signature: *Gregory Warton*

3807766 AIP IA

NEW AND SERVICEABLE PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING
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KC

Created 03/27/2024 N51WE Piper Arrow S/N 2844148 Engine 1
3773.40 TTIS 3837.80

Completed 100 HR inspection IAW FAR 43 app D referencing PA-28R-201 AMM 5-20-00
Researched AD's through bi-weekly report 2024-06 Removed and replaced static wick on
stabilator P/N SW10-96 Replaced RH gas tank gasket P/N 05-18500
I certify that this aircraft has been inspected in accordance with a 100 Hr inspection and
was determined to be in airworthy condition.

Josh Kennedy A&P#4653415 Date 3/27/24 Signature *Josh Kennedy*

KC

Created 05/02/2024 N51WE Piper Arrow S/N 2844148 Engine 1 3816.10 TTIS 3880.50
Removed alternator Aero Tech Hartzell P/N AL X8521 S/N HPJ50174 Installed Alternator Hartzell P/N ALX-8521 S/N H-X121823 IAW
Aircraft IAW PA-28R-201 Revision 7R260815 Chapter 24-30-00 Adjusted belt tension IAW Lycoming Service Instruction No. 1129D
Owen Fortney #A&P 4429081 Date 5/2/24 Signature *Owen Fortney*

N51WE
Butler Avionics, Inc.

Date - 06/10/2024
Station #TF2R185L

The aircraft and/or component identified were repaired in accordance with current
Federal air regulations and were found airworthy for return to service. Pertinent
details of the repair are on file at this agency.
Removed existing GMU44 and replaced with P/N: 011-00870-00 S/N: 47511785
Updated Garmin G5 to software 8.26 FTOK

Signature *Gary Morris* Repairman #2347550
WO#MS25910/84707 Gary Morris

Created 04/08/2024 N51WE Piper Arrow S/N 2844148 Engine 1 3815.40 TTIS 3879.80
Adjusted Alternator P/N: 011-00870-00 from Chapter 24-30-00 and Lycoming Service Instruction No. 1129D
Owen Fortney #A&P 4429081 Date 4/8/24 Signature *Owen Fortney*

AD#24-19-03 for G5 update for GFC500 is above.
Date: 10/15/2024 Owen Fortney A&P 4429081 *Owen Fortney*

KC

Created 06/19/2024 N51WE Piper Arrow S/N 2844148 Engine: 1
0 TTIS 3911.8
Removed tachometer P/N: 599-282 Model: 3310-00001 and installed tachometer P/N:
2801-0035 S/N: 47850. IAW PA-28R-201 AMM. New tach time is set to zero. Ops
check good. *Old tach time 3847.4.*
Owen Fortney #A&P 4429081 Date: 6/19/24 Signature: *Owen Fortney*

IN ACCORDANCE WITH
FORMING WORK

13.1 8/19/24 N51WE SN 2844148

*Installed Electric pitch trim and colored C.B.
Lenon Reader John R. Asg 4369883*

N51WE
Butler Avionics, Inc.

Date - 09/13/2024
Station #TF2R185L

The aircraft and/or component identified were repaired in accordance with current
Federal air regulations and were found airworthy for return to service. Pertinent
details of the repair are on file at this agency.

Removed existing servo P/N: 011-02927-11 S/N: 5G9017223. Installed P/N: 011-
02927-21 S/N: 5G9018243. FTOK

Signature *Dave Hayden* Repairman #2537976
WO#MS26560/84888 Dave Hayden

Tuesday 10/15/2024 N51WE Piper Arrow S/N 2844148 Tach 214 TTIS 4933.2

Complete 100 Hour inspection IAW FAR 43 app D referencing PA-28R-201 AMM 5-20-00 Researched AD's through bi weekly reports 20/4-20
None applicable. Removed Garmin 340 P/N 011 00401 10 and installed Garmin 342 which supersedes the 340. The Garmin 342 P/N 010 01119
11 ops check good. Removed and replaced induction air filter P/N BA 10 Removed and replaced stabilator pulley P/N 63955 010 IAW section
27 of AMM. Removed and replaced L/H brake pads P/N 66 105 IAW section 12 of AMM

I certify that this aircraft has been inspected IAW a 100 Hour inspection and was determined to be in airworthy condition.

Owen Fortney A&P Date: 10/15/2024 Signature *Owen Fortney*

N51WE
Butler Avionics, Inc.

Date - 01/23/2025
Station #TF2R185L

The aircraft and/or component identified were repaired in accordance with current
Federal air regulations and were found airworthy for return to service. Pertinent
details of the repair are on file at this agency.

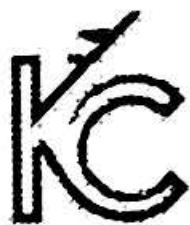
Aircraft certified to 20,000ft per FARs 91.411, 91.413, 43 Appendix E&F. Primary
Altimeter GDC-74, S/N 20618377. Secondary Altimeter G5, S/N 4JQ050826.
Standby Altimeter 5934P, S/N 457356. Transponder GTX-330, S/N 84129142.

Signature *Dave Hayden* Repairman #2537976
WO#MS27090/85095 Dave Hayden

PARTS TAGS

BLE

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KILO CHARLIE
AVIATION

Created: 04/29/2025 Aircraft

Registration: N51WE Make: Piper Model:

PA-28R-201 Arrow

S/N: 2844148 Tach: 47.50 TTIS: 3959.10 H

obbs: 4686.7

During 100 hour inspection the ELT "G" switch was found to be inoperative. Installed overhauled ELT ME 406 P/N: 453-6603 S/N: 242-05301 IAW reference to Piper PA-28-201R AMM and Performed ELT check IAW 91.207. OPs check good. Removed INOP placard. Exp: 04/2030

Owen Fortney A&P # 4429081 Date:

4/29/25 Signature: