

AIRCRAFT LOG

~~N32165-Q~~
N17172


Piper



EMERGENCY BATTERY REPLACEMENT

Affix this label in aircraft logbook

Recommended battery replacement 3 years from date of manufacture. Order replacement battery from Mid-Continent Instruments and Avionics at (800) 821-1212.

Date of Manufacture: 12-17

NOTICE

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

PAINT TYPE: Dupont Imron Polyurethane

AIRCRAFT DESCRIPTION

Registration No. N1021S - changed to N3216F

Model: PA-32R-301T Popular Name: SARATOGA IITC

Serial No.: 3257454 Type Certificate No.: A350

Colors: PG293HD P1199HD & P1227HD P1262HD
SNOW WHITE/ARISTA BLUE & LIGHT BURGUNDY MET./TIBETAN GOLD MET.

Engine Manufacturer: LYCOMING Serial Numbers: Single L-12687-61A

Original Engine Model: TIO-540-AH1A Left _____
Right _____

Propeller Manufacturer: HARTZELL Hub or Serial Number: Single HK1290B

Original Propeller Model: HC-I3YR-1RF Left _____
Right _____

Blade Numbers

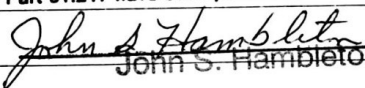
Left Right
K43888 _____
K43889 _____
K43893 _____

2007 MODEL


AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
APR 13 2007	Brought Forward →	7.5		<p>I find that the aircraft meets the requirements for the certification requested and have issued Standard and Export Certificates of Airworthiness.</p> <p>The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested:</p> <p>On (Pri) <u>3/9/07</u> (Sec) <u>12/6/06</u></p> <p style="padding-left: 40px;"><u>34,500</u> ft <u>20,000</u> ft</p> <p>The ELT is installed per FAR 91.207. Battery Replacement date: <u>FEB 2009</u></p> <p>Dated: <u>APR 13 2007</u></p> <p style="text-align: center;"><u>John S. Hambleton</u></p> <p style="text-align: center;">ODARF-511281-CE Piper Aircraft, Inc. Vero Beach, Florida</p>
Total To Carry Forward		7.5		John S. Hambleton

Registration No. N1021S

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>GTX330</u> S/N <u>84125293</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>3257454</u>	Date <u>3/17/07</u>	
The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: <u>3/20/07</u>		
 John S. Hambleton		
ODARF-511281-CE Piper Aircraft, Inc. Vero Beach, Florida		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
	<p>Temporary fuel system installed in accordance with Globe Drawing # <u>GA-32R-301T-118A</u> checked and found to operate satisfactorily. Temporary fuel system to be removed by a rated mechanic and aircraft returned to standard configuration.</p> 			<p>FAA Repair Station OU4R427M</p>
Total To Carry Forward				

Registration No. _____

and Remarks	Signature	Certificate No.
Aircraft returned to USA with 667.0 hours Total Time.		
Restarted original Log books April 23, 2015.		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



2720 BETSWORTH DR., WATERLOO, IOWA 50703

April 23, 2015 Hobbs: 0.0 TTAF: 667.0 WO #5384

Aircraft inspected and serviced IAW Piper PA-32R-301/301T Saratoga II Inspection Form and Maintenance Manual.

1. **Installed new 0.0 time Hobbs meter. Aircraft total time is 667.0.**
2. Adjusted and safetied rudder cables IAW maintenance manual.
3. Replaced switch lights and caps as needed.
4. Installed new battery in ELT remote.
5. Inspected and tested ELT IAW FAR 91.207. ELT Battery due April 2020.
6. Installed new brake discs and linings.
7. Performed gear retraction tests & emergency extend test.
8. C/W AD 2011-26-02 Paper induction air filter - Installed new P151936 filter. AD due again by 1167.0 ttaf.
9. C/W AD 2011-26-04 External fuel injector lines by inspecting fuel lines for condition and proper support per SB342G. Replaced all clamps with new. AD due again by 767.0 ttaf or whenever maintenance is done on the fuel lines.
10. Researched AD notes through bi-weekly 2015-08. See separate AD Compliance Record.

I certify that this aircraft has been inspected IAW an **annual inspection** and determined to be airworthy at this time.

Andrew J. Regier A&P 3597876 IA

Andrew J. Regier

Carry Forward



DATE: 04/24/2015 TOTAL TIME: 667

I FIND THAT THE AIRCRAFT MEETS THE REQUIREMENTS FOR THE CERTIFICATION REQUESTED AND HAVE ISSUED A STANDARD AIRWORTHINESS CERTIFICATE DATED

04/24/2015

THE NEXT INSPECTION IS DUE 04/2016

William R. Kyle

WILLIAM R. KYLE, DART 830943-CE

Signature	Certificate No.



2720 BETSWORTH DR., WATERLOO, IOWA 50703

November 5, 2015 Hobbs: 4.4 TTAF: 671.4 WO #5465

Aircraft inspected & serviced IAW Piper PA-32R-301/301T Saratoga II Inspection Form & Maintenance Manual.

1. Inspected and tested ELT IAW FAR 91.207. ELT Battery due April 2020.
2. Performed gear retraction tests & emergency extend test.
3. Researched AD notes through bi-weekly 2015-22. See separate AD Compliance Record.

I certify that this aircraft has been inspected IAW an **annual inspection** and determined to be airworthy at this time.

Andrew J. Regier
A&P 3597876 IA

Andrew J. Regier

AIRCRAFT LOG

X In accordance with FAR part 91.413 all ATC transponders have been tested and found to comply with appendix F of Part 43.

X In accordance with FAR part 91.411 all static pressure systems, all altimeter instruments and all automatic altitude reporting systems have been tested to 20,000 ft. and found to comply with appendix E of part 43.

Dated 10-29-2015 Signed [Signature]

McCandless Avionics LC, C.R.S. R02R142L

Order

PART NUMBER 5934PD-3 SERIAL NUMBER: 458303 W.O.# 0884

ALT	ERROR	ALT	ERROR
-1000	<u>10</u>	10000	<u>-10</u>
0	<u>10</u>	12000	<u>-20</u>
500	<u>10</u>	14000	<u>-20</u>
1000	<u>10</u>	16000	<u>-10</u>
1500	<u>10</u>	18000	<u>-10</u>
2000	<u>10</u>	20000	<u>30</u>
3000	<u>20</u>	22000	---
4000	<u>5</u>	25000	---
6000	<u>-10</u>	30000	---
8000	<u>-10</u>	35000	---

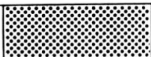
ALTIMETER TEST CRS#R02R142L

PART NUMBER: 710-0053-002 SERIAL NUMBER: 2010610 W.O.# 0884

ALT	ERROR	ALT	ERROR
-1000	<u>20</u>	10000	<u>-5</u>
0	<u>10</u>	12000	<u>-10</u>
500	<u>10</u>	14000	<u>-20</u>
1000	<u>-10</u>	16000	<u>-10</u>
1500	<u>-10</u>	18000	<u>-20</u>
2000	<u>-10</u>	20000	<u>-20</u>
3000	<u>-20</u>	22000	---
4000	<u>-10</u>	25000	---
6000	<u>-10</u>	30000	---
8000	<u>-10</u>	35000	---

ALTIMETER TEST CRS#R02R142L

Total To Carry Forward



Registration No. _____



2720 BETSWORTH DR., WATERLOO, IOWA 50703

Piper PA 32R-301T

S/N: 3257454

11/09/2015

Hobbs: 4.4

1. Removed autopilot system 55X computer and sent to manufacture for repair. Reinstalled serviceable 55X when computer was returned. Completed functional test.

All work was accomplished in accordance with manufacture's guideline and installation manuals. Final test completed as O.K.

A handwritten signature in black ink, appearing to read "J. M. King", is written in a cursive style.

CRS# RO2R142L

AIRCRAFT LOG

Pacific Coast Avionics

CRS OPR4551

Registration: N3216S

Make: Piper Aircraft

Model: PA-32R-301T

S/N: 3257454

Aircraft Time: 170.1 HOBBS

Performed 14 CFR 91.411 certification of the altimetry system. The Avidyne EX5000, s/n 20106107, Standby Altimeter, Altitude Reporting and Static systems were tested for error and found to be in compliance with the requirements listed in 14 CFR 43 Appendix E to a test altitude of 25,000 feet. Performed 14 CFR 91.413 certification of the Garmin GTX 330 Transponder, s/n 84125293 and found the system to comply with the requirements listed in 14 CFR 43 Appendix F. Cleaned Tach and MAP indicator connectors and verified security of attachment at Engine Data Acquisition unit to correct Tach and MAP Indications failing after start discrepancy. Tested and found operational as per Avidyne EX5000 Series installation manual 600-00073 Rev 24. NDN. Replaced blown aux power plug in-line fuse with new equivalent 5 amp fuse to correct inoperative cigar lighter outlet discrepancy. Tested and found operational as per Piper PA-32R-301T Aircraft Maintenance Manual. NDN. Tested alternator system, verified customer complaint that alternator inoperative annunciator light will not extinguish. Troubleshot alternator system and found faulty alternator inoperative switch. Replaced Lamar Technologies Alternator inoperative switch, p/n A-00258-2, s/n 80A98002 with new Lamar Technologies Alternator inoperative switch, p/n A-00258-2, s/n 80N65009. Replaced switch and tested alternator system in accordance with Piper PA-32R-301T Maintenance Manual. NDN.

This aircraft has been inspected in accordance with current federal aviation regulations and found to be airworthy with respect to the work performed. Details will be on file at Pacific Coast Avionics under Krist Novoselic, work order 16834.



Signature: CHRISTOPHER BRAND

10/7/2016

Date: 10/7/2016

Page 1 of 1

Total To Carry Forward					

Registration No. _____

ificate No. _____



West Aviation

1/2/2017

N3216S

Piper PA-32R-301/301T

Aircraft Logbook

Hobbs Hours: 213.2 :: Aircraft TT: 880.2

Completed annual inspection in accordance with manufacturers inspection procedures manual.

Aircraft inspected and serviced I.A.W. Piper PA-32R-301/301T Saratoga II inspection form and maintenance manual part number #761-879, Dated July 31, 2013. Performed rear retraction test and emergency extention test. Removed battery and installed new Concorde RG24-15M battery. Tested ELT I.A.W. FAR 91.207(d).

C/W AD#11-26-02 Paper induction air filter - Installed new P/N# P151936 filter. Next Due 1380.2

C/W AD#11-26-04 External fuel injector lines by visual inspection. Next due Hobbs:313.2 or whenever maintenance is done on the fuel lines.

Updated AD compliance report this date - .1/2/2017

I certify that this Aircraft has been inspected in accordance with an Annual/100HR inspection I.A.W. FAR 43, Apdx. "D" and was determined to be in an airworthy condition and approved for return to service.

Signed

David A West A&P3266041 IA

West Aviation LLC.
1110 SE Flightline Dr.
Hangar E1
Warrenton, OR 97146
(503) 338-9306



West Aviation

2/9/2017

N3216S

Piper PA-32R-301/301T

Aircraft Logbook

Maintenance

Hobbs Hours: 221.2

Placed aircraft on jacks. Removed left main landing gear wheel assy. Disassembled left main wheel assy. Removed tire and inner tube. Installed new Michelin inner tube P/N#092-500-0 and new Michelin tire P/N#070-314-0 on wheel assy. Serviced tire to 38 psi. Installed tire and wheel assy back on aircraft. Adjusted wheel bearing free play. Installed new cotter pin. Lowered aircraft off of jacks. All work performed I.A.W. Piper PA-32R-301/301T service manual.

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed

David A West A&P3266041 IA

West Aviation LLC
 1110 SE Flightline Dr.
 Hangar E1
 Warrenton, OR 97146
 (503) 338-9306

Total To Carry Forward				



NORTHWEST AIRTECH



WEIGHT & BALANCE AND EQUIPMENT LIST AMENDMENT

DATE	WC #	OWNER	REG #	MAKE & MODEL	SERIAL #
11/7/2017	4246	Grays Bay LLC	N3216S	PA-32R-301T	3257454

ITEM	WEIGHT	ARM	MOMENT
Previous empty weight as of	2567.0	85.44	219333.721
Removed pair of aft facing center row seats (19lbs each) and safety belts (1.5 lbs each)	-41.0	119.10	-4883.100 0.000
Removed console between center row seats	-10.5	119.10	-1250.550
			0.000
			0.000
			0.000
			0.000
			0.000
			0.000
Totals	2515.5	84.75	219320.071
NEW EMPTY WEIGHT	2515.5		
E.W.C.G.	84.75		
MOMENT	213200.071		
MAX TAKE OFF WEIGHT	3615		
USEFUL LOAD	1099.5		

Superseded 4/16-18

R. G. [Signature]
MP3405292



NORTHWEST AIRTECH



WEIGHT & BALANCE AND EQUIPMENT LIST AMENDMENT

DATE	WC #	OWNER	REG #	MAKE & MODEL	SERIAL #
4/16/2018	4256	Grays Bay LLC	N3216S	PA-32R-301T	3257454

ITEM	WEIGHT	ARM	MOMENT
Previous empty weight as of 11/7/2017	2515.5	84.75	213188.625
Reinstalled pair of aft facing center row seats (19lbs each) and safety belts (1.5 lbs each)	41.0	119.10	4883.100
Reinstalled console between center row seats	10.5	119.10	1250.550
Removed Amen-King AK 451 ELT system (S/N 21434A) & replaced with new ACK E-04 ELT system (S/N 02137B)			Negligible change to weight & balance
Totals	2567.0	85.44	219322.275
NEW EMPTY WEIGHT	2567.0		
E.W.C.G.	85.44		
MOMENT	219322.275		
MAX TAKE OFF WEIGHT	3615		
USEFUL LOAD	1048.0		

Michael Houtchers
Michael Houtchers A&P 3196389 IA

N3216S Airframe Log 4-24-2018 Hourmeter: 370.0 Airframe total: 1037.0

Replaced inoperative Ameri-King AK451-20 ELT system (sn: sn:21434A) with new ACK E-04 ELT system.

SN: 021378. **Main radio battery expires: 11-15-22, Remote unit and annunciator unit batteries expire 5-1-2028** (10 years per ACK manual).

CW 14CFR91.207(D), ELT operational and signal strength test. No defects found. **Next due: 5-1-2019**

New 9015607 battery installed for standby Electric horizon, test performed per manual, checked OK.

Replaced left nav lamp with new. Pn: A7512-24

Repaired various minor hardware and chafing issues throughout the plane

Found mixture cable and wastegate actuator cylinder badly damaged due to wearing on each other, Installed new Piper mixture cable 455-357 and overhauled wastegate assembly from Main Turbo. (their wo 54755).

Washed Engine air filter element per Donaldson instructions using water & detergent method due to oil.

Added bushings to shanked out battery hold down bolts for proper securing of battery.

Brake system thoroughly purged of old deteriorated hydraulic fluid, bled and reservoir topped off.

Both brake calipers resealed, new insulating discs installed on all pistons and new insulating spacers installed on both caliper assemblies.

Replaced right snuffle valve hose with new and added insulating fire sleeve.

Added washer and re-torqued right, lower engine mount to firewall bolt.

Replaced both Main tires with new Michelin Air, 6.00-6 8 ply tires and new Goodyear Flight Mate butyl tubes.

Re-rigged governor cable and stop for proper travel. Op's checked setting and found good.

Adjusted stabilator rigging to spec.

Re-glued rudder pedal footpads.

Lubed and worked free, stuck trim pulleys in aft tunnel.

Cleaned air vent screens in aft cabin ceiling.


Oxygen bottle hydro tested and reassembled with new M59776-01 valve to bottle seal ring. Reinstalled bottle, serviced to 1850 psi with ABO, leak tested joints that were disturbed and purged system from all 6 mask ports. **Next hydro test due: 5-1-2021, bottle life limited at 15 years which will be reached at 9-1-21.**


Replaced oxygen servicing valve assembly with new pn 26875-48 assembly, same as original due to damaged threads on the service port.

1 of 2

AIRCRAFT LOG

<p>The Transponder tests and inspections required by FAR part 91.413 have been completed and meet the requirements of FAR part 43, appendix F. W/O 180810-1 in N3216S Spencer Avionics 16911 103rd Ave E</p> <p>Signed <i>King Healy</i></p>	<p>Aircraft Time</p> <p>Transponder</p> <p>Date <i>15 Aug 2018</i></p>	<p>Maintenance</p> <p>2DC88 AA704 FFBFF</p> <p>ACK Technologies Inc</p> <p>Model E-04 ELT</p>
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<p>HILLSBORO AVIATION </p> <p>Date: 9/1/2018</p> <p>Registration: N3216S</p> <p>Serial: 3257454</p>	<p>Make: PIPER</p> <p>Tach/Hobbs: Hobbs: 343.9</p>	<p>Hillsboro Aviation, Inc. FAA Approved Repair Station L1ER093G 3845 NE 30th Ave, Hillsboro, OR 97124 503.648.2831</p> <p>Model: PA-32R-301T</p> <p>WO #: A181522</p>
<p>Certified A/C Altimeter, S/N 20106107, Stby Altimeter S/N 58303 and Transponder S/N 3EG420573 for IFR to 25,000ft as required by FAR 91.411 and FAR 91.413 IAW Part 43, Appendix E and F. Next certification due by Sept 2020.</p> <p>The aircraft and/or components identified above was repaired and/or inspected in accordance with current Federal Aviation Regulations and is approved for return to service at this time for the work performed.</p> <p>Signed <i>Christopher Brand</i> Designated Repairman Approved Repair Station # L1ER093G</p>		

<p>Total To</p> <p>Carry Forward</p>				
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N3216S
S/N 3257454
Tach
HrMtr 396.8

Boulder City Airport
Boulder City, NV

Date 2/1/2019
Manufacturer Piper
Model PA-32R-301T
TTAF 1063.8

Certificate No.

Airframe Log Book

Installed LED lamps in taxi light, right landing light and left landing light positions. See 337 forms this date. There is no significant change in weight and balance. Ops check OK.

Paul Schulz AP / IA 3417346 



N1717R
S/N 3257454
Tach
HrMtr 405.0

Boulder City Airport
Boulder City, NV

Date 3/12/2019
Manufacturer Piper
Model PA-32R-301T
TTAF 1072.0

Airframe Log Book

Removed external and internal N numbers and replaced with N1717R. Programmed transponder / ADS-B out to reflect the change.

Paul Schulz AP / IA 3417346 

Date

N1717R
S/N 3257454
Tach
HrMtr ~~465.0~~ **445.0**

Boulder City Airport
Boulder City, NV

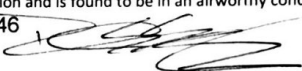
Date 11/22/2019
Manufacturer Piper
Model PA-32R-301T
TTAF ~~1672.0~~ **1112.0**

ance

Airframe Log Book

Performed an annual inspection IAW Piper service and maintenance manual. Performed all service and lube items due. Removed right and left MLG and nose wheels. Removed, cleaned, inspected and packed with Mobil 28 grease. Replaced right and left brake pads with p/n 066-006200. Replaced seals in rt and lt brake caliper with MS28775-222. Serviced and bleed brake system. Replaced rt & lt MLG hub caps with LoPresti hub caps p/n LSM-200-700-11. See 337 form this date. Inspected induction filter. Checked and serviced battery. Serviced nose strut with Mil h 5606 and nitrogen. Replaced placards as needed on exterior and interior of aircraft. All ADs as of this date have been complied with. See AD compliance record. I certify that this airframe has been inspected IAW an annual inspection and is found to be in an airworthy condition.

Paul Schulz AP / IA 3417346



Total To Carry Forward				

MAKE: Piper Aircraft Inc
MODEL: Pa-32r-301t
S/N 3257454
REG NO N1717R
WORK ORDER
VGT11757-03-2020



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 3/11/2020
A/C TSN 455 7
FLIGHTTIME: 455 7

ite No.

Airframe Entries

Performed a dynamic propeller balance IAW Dyna Vibe Manual RPX-AFA-PR-BAL-00-A. Final balance 0.04 IPS.
Serviced nose and main landing gear struts to manufactures specifications IAW Piper PA-32R-301/301T 12-10-00.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 3/11/2020

SIGNED

Joseph Amadori
Certified Repair Station No. L9OR473Y

Work Order: VGT11757-03-2020

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N1717R
S/N 3257454
Tach
HrMtr 497.6

Boulder City Airport
Boulder City, NV

Date 7/09/2020
Manufacturer Piper
Model PA-32R-301T
TTAF 1164.6

Airframe Log Book

Removed TKS bladder and sent out for repair. Collared TKS pump and TKS Qty indicator C/Bs.
Marked TKS Qty indicator and TKS switch inop. Secured all connectors for TKS system in right wing. Secured filler cap to right wing using existing hardware and appropriate fiber lock nuts. All work was accomplished IAW Piper PA32 & TKS Maintenance Manual / Documents. There was no significant change in W&B.

Paul Schulz AP / IA 3417346

Da

N1717R
S/N 3257454
Tach
HrMtr 497.6

Boulder City Airport
Boulder City, NV

Date 7/31/2020
Manufacturer Piper
Model PA-32R-301T
TTAF 1164.6

Maintenance

Airframe Log Book

Conducted test flight for the replacement of the turbocharger. No issues noted.
Paul Schulz ATP 3417346



N1717R
S/N 3257454
Tach
HrMtr 497.6

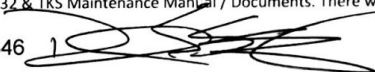
Boulder City Airport
Boulder City, NV

Date 7/09/2020
Manufacturer Piper
Model PA-32R-301T
TTAF 1164.6

Airframe Log Book

Removed TKS bladder and sent out for repair. Collared TKS pump and TKS Qty indicator C/Bs. Marked TKS Qty indicator and TKS switch inop. Secured all connectors for TKS system in right wing. Secured filler cap to right wing using existing hardware and appropriate fiber lock nuts. All work was accomplished IAW Piper PA32 & TKS Maintenance Manual / Documents. There was no significant change in W&B.

Paul Schulz AP / IA 3417346



Total To
Carry Forward

