

530 W 693

AVIONICS LOG



The Standard

AVIONICS LOG

ASA-SA-V

The Standard Avionics Log
SA-V

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ASA-SA-V

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PNR ASA-SA-V



9 781560 274179

<https://fly.garmin.com/fly-garmin/>

jepipad@gmail.com

PW ~~XXXXXX~~ N7857 Foxtrot

Select "Ancient"

NAVIGATION DATA → LEFT CARD
OBSTACLE & TERRAIN → RIGHT CARD

Registration Number _____

Logbook Number _____

From _____

To _____

Aircraft Make PA32R-300

Model _____

Serial Number N7857F

Date of Manufacture _____

JEPPESSEN Acct# : 97718

User Name : ~~mark~~ marksta82@gmail.com (All lower case)

PW Flaming Arrow

1-800-353-2107

www.jeppesen.com/IDM/Download

Avionics Equipment GARMEN 530W GPS DATA CHIP UPDATES

ITEM	MAKE	MODEL	PART NUMBER	SERIAL NUMBER	DATE		LOCATION STATION #	BATTERY DATES	
					INSTALLED	REMOVED		INSTALLED	REPLACE
NAU DATA UPDATE	GARMEN	530W			10/25/07				
✓	✓	✓			11/22/07				
✓	✓	✓			12/20/07				
✓	✓	✓			1/17/08				
✓	✓	✓			2/14/08				
✓	✓	✓			3/13/08				
✓	✓	✓			4/10/08				
✓	✓	✓			5/8/08				
✓	✓	✓			6/3/08				
✓	✓	✓			7/31/08				
✓	✓	✓			8/28/08				

Avionics Equipment

ITEM	MAKE	MODEL	PART NUMBER	SERIAL NUMBER	DATE		LOCATION STATION #	BATTERY DATES	
					INSTALLED	REMOVED		INSTALLED	REPLACE
NAU DATE UPDATE	GARMEN	530W			9/25/08				
✓	✓	✓			10/23/08				
✓	✓	✓			11/20/08				
✓	✓	✓			12/18/08				
✓	✓	✓			1/15/09				
✓	✓	✓			2/12/09				
✓	✓	✓			3/12/09				
✓	✓	✓			4/9/09				
✓	✓	✓			5/7/09				
✓	✓	✓			6/4/09				
✓	✓	✓			7/30/09				

NAV DATA CHECK UPDATES

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY CYCLE	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
8/27/09		GARMON	530W	0909						
9/24/09		✓	✓	0910						
10/22/09		✓	✓	0911						
11/19/09		✓	✓	0912						
12/17/09		✓	✓	0913						
1/14/10		✓	✓	1001						
2/11/10		✓	✓	1002						
3/11/10		✓	✓	1003						
4/9/10		✓	✓	1004						
5/6/10		✓	✓	1005						
6/3/10		✓	✓	1006						

NAV DATA CHECK UPDATES

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR #	LOCATION	TACH TIME CYCLE	FREQUENCY CYCLE	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
7/1/10		GARMON	530W	1007						
7/29/10		✓	✓	1008						
8/26/10		✓	✓	1009						
9/23/10		✓	✓	1010						
10/21/10		✓	✓	1011						
11/18/10		✓	✓	1012						
12/16/10		✓	✓	1013						
1/13/11		✓	✓	1101						
2/10/11		✓	✓	1102						
3/10/11		✓	✓	1103						

NAV DATA CHG UPDATES

VOR Accuracy

MAKE _____ MODEL _____ SERIAL NUMBER _____ PART NUMBER _____

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY CYCLE	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
4/7/11		GARMEN	530W	1104						
5/5/11		✓	✓	1105						
6/2/11		✓	✓	1106						
6/30/11		✓	✓	1107						
7/28/11		✓	✓	1108						
8/25/11		✓	✓	1109						
9/22/11		✓	✓	1110						
10/20/11		✓	✓	1111						
11/17/11		✓	✓	1112						
12/15/11		✓	✓	1113						
1/12/12		✓	✓	1201						

Gregory Lowmyer
3280129

VOR Accuracy

MAKE _____ MODEL _____ SERIAL NUMBER _____ PART NUMBER _____

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY CYCLE	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
2/9/12		GARMEN	530W	1202						
3/8/12		✓	✓	1203						
4/5/12		✓	✓	1204						
5/3/12		✓	✓	1205						
5/31/12		✓	✓	1206						
6/28/12		✓	✓	1207						
7/24/12		✓	✓	1208						
8/23/12		✓	✓	1209						
9/20/12		✓	✓	1210						
10/18/12		✓	✓	1211						
11/15/12		✓	✓	1212						

Gregory Lowmyer
3280129

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
1/10/13		GARMAN	530W	1301						
2/7/13		✓	✓	1302						
3/7/13		✓	✓	1303						
4/4/13		✓	✓	1304						
5/2/13		✓	✓	1305						
5/30/13		✓	✓	1306						
6/27/13		✓	✓	1307						
7/25/13		✓	✓	1308						
8/22/13		✓	✓	1309						
9/19/13		✓	✓	1310						
10/17/13		✓	✓	1311						

Gregory J. Cowan
3280129

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
1/14/13		GARMAN	530W	1312						
12/12/13		✓	✓	1313						
1/9/14		✓	✓	1401						
2/6/14		✓	✓	1402						
3/6/14		✓	✓	1403						
4/3/14		✓	✓	1404						
5/1/14		✓	✓	1405						
5/29/14		✓	✓	1406						
6/26/14		✓	✓	1407						
7/24/14		✓	✓	1408						
8/21/14		✓	✓	1409						

Gregory J. Cowan
3280129

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR#	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
9/18/14		GARNSN	530W	1410						
10/16/14		✓	✓	1411						
11/13/14		✓	✓	1412						
12/11/14		✓	✓	1413						
1/8/15		✓	✓	1501						
2/5/15		✓	✓	1502						
3/5/15		✓	✓	1503						
4/2/15		✓	✓	1504						
4/30/15		✓	✓	1505						
5/28/15		✓	✓	1506						

Handwritten: Surgery & Review 3280129

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR#	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
6/22/15		GARNSN	530W	1507						
7/23/15		✓	✓	1508						
8/20/15		✓	✓	1509						
9/17/15		✓	✓	1510						
10/15/15		✓	✓	1511						
11/12/15		✓	✓	1512						
12/10/15		✓	✓	1513						
3/3/16		✓	✓	1603						
3/31/16		✓	✓	1604						
4/28/16		✓	✓	1605						

Handwritten: In Annex 4, Enroute & Descent

Handwritten: SE PETERSON

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
5/26/16		Garmin	530W	1606						
6/23/16		"	"	1607						
7/18/16		"	"	1608						
8/17/16		"	"	1609						
9/14/16		"	"	1610						
10/13/16		"	"	1611						
11/10/16		"	"	1612						
12/8/16		"	"	1613						
1/5/17		"	"	1701						
2/3/17		"	"	1702						
3/2/17		"	"	1703						

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

DATE	VOR #	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		
3/31/17		Garmin	530W	1704						
4/28/17		"	"	1705						
5/26/17		"	"	1706						
6/23/17		"	"	1707						
7/21/17		"	"	1708						
8/18/17		"	"	1709						
9/15/17		"	"	1710						
10/13/17		"	"	1711						
11/10/17		"	"	1712						
12/8/17		"	"	1713						

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

[illegible]

VOR Accuracy

MAKE

MODEL

SERIAL NUMBER

PART NUMBER

[illegible]

[illegible]

Date 10/5/15 ACTT: 2713.6 LDGS NA

The altimeter system(s) has been tested and found to comply with FAR 91.411 in accordance with appendix E of FAR43.

The transponder system(s) has been tested and found to comply with FAR 91.413 in accordance with appendix F of FAR 43.

The automatic pressure altitude reporting equipment has been tested & found to comply with paragraph (c), appendix E of FAR43
Pertinent details are on file at this Repair Station under, *101*

Work Order No. 15402 Inspector [Signature]

[illegible]

Maintenance Record

PIPER PA-32R-300

Date 01/13/2015 Reg. No. N7857F
Hobbs 2569.0 Serial No. 32R-7780084

Aero Charter, Inc.
501 Turbine Avee
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

REPAIR SHOP AND NUMBER

Removed Directional Gyro p/n 1U262-003-14 s/n 89246F and installed overhauled Directional Gyro p/n same, s/n T45976G. Performed operational checks as necessary. See 8130-3 dated 22 Oct 2014.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 15019.

Ted Clark
CRS# DGCR175D

Maintenance Record

Piper PA-32R-300

Date 09/29/2014 Reg. No. N7857F
Tach Time 2,525.8 Serial No. 32R-7780084



Aero Charter, Inc.
501 Turbine Avenue
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

Sent Apollo SL30 VHF NAV/COMM P/N 430-6040-303 S/N 25903990 out for repair, installed repaired VHF NAV/COMM P/N 430-6040-303 S/N 25903990 (See Garmin AT, Inc. FAA Form 8130-3 Tracking No. 584075 dated 22/Sep/2014). Performed post install checks and OBS Calibration in reference to SL30 VHF NAV/COMM Installation Manual. Performed operational checks as necessary, no defects noted at this time.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 14331.

Ted A. Clark
CRS# DGCR175D

Piper PA-32R-300

Date 07/23/2012 Reg. No. N7857F

Tach Time 2,470.0 Serial No. 32R-7780084



Aero Charter, Inc.
501 Turbine Avenue
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

Performed Garmin GNS530W Software upgrade in accordance with **Garmin Service Bulletin 1317 Revision A**, upgraded Main Software to Version 5.03 and GPS Software to Version 5.0. Complied with **Garmin Software Service Bulletin No. 1403 Revision B** - Upgraded GNS 530W Main Software to Version 5.10 in accordance with Service Bulletin Instructions and placed FAA Approved Airplane Flight Manual Supplement Document No. 190-00356-03 Revision D, in Airplane Flight Manual per **Garmin STC Service Bulletin No. 1401 Revision A** Instructions. Performed operational checks as necessary, no defects noted at this time.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 14257.

Ted A. Clark
CRS# DGCR175D

Maintenance Record

Model # 5934P Serial # n/a
Aircraft N 7857F Date: Oct 7 2013
Altimeter, Altitude Reporter & Static System tested in accordance with Part 43, Appendix "E" for compliance with FAR 91.411
Altimeter Tested to 20KFT Work Order # 8441
Signature: [Signature]
MUELLER AVIONICS, INC. CRS # QYVRO44J

Model # GTX 327 Serial # 83717936
Aircraft N 7857K Date: Oct 7 2013
Transponder system tested in accordance with part 43, Appendix "F" & Appendix "E", Subpart (c) for compliance with FAR 91.413.
Signature: [Signature] Work Order # 8441
MUELLER AVIONICS, INC. CRS # QYVR044J

N7857F			
Mueller Avionics, Inc. CRS # QYVRO44J			
P/N	5934P	S/N	n/a
ALT	FT	ALT	FT
	ERROR		ERROR
-1000	-20	16000	+50
0	-10	18000	+40
500	0	20000	+60
1000	0	22000	X
1500	0	25000	
2000	+10	30000	
3000	0	35000	
4000	+10	40000	X
6000	+20	45000	
8000	+20	50000	
10000	+30	Hys 50%	
12000	+20	Hys 40%	+10
14000	+40	zero	0
Date	Oct 7, 2013	Signature	[Signature]

Maintenance Record

DATE	ITEM	SERIAL #	DISCREPANCY	CORRECTIVE ACTION OR MODIFICATION	REPAIR SHOP AND NUMBER
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Piper PA-32-300

Date 05/03/2012 Reg. No. N7857F

A/C Time 5,938.9 Serial No. 32R-7780084



Aero Charter, Inc.
501 Turbine Avenue
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

Performed Garmin GNS530W P/N 011-01064-00 S/N 23802458 Software Upgrade in accordance with **Garmin Service Bulletin 1006 Rev C**, upgraded Main Software to 4.01. Performed operational checks as necessary, no defects noted at this time.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 12149A.

Ned Batchelor

Ned Batchelor
CRS# DGCR175D

Maintenance Record

DATE	ITEM	SERIAL #	DISCREPANCY	Form AF 041 08/27/01 Rev(1)	Aero Charter, Inc. 501 Turbine Avenue Chesterfield, MO 63005 CRS# DGCR175D
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Date 5-3-12 ACTT: 5938.9 LDGS NA

The transponder system(s) has been tested and found to comply with FAR 91.413 in accordance with appendix F of FAR 43.

#1 Mfr/Model: Garmin GTX327 S/N 93717936

#2 Mfr/Model: NA S/N NA

Pertinent details are on file at this Repair Station under.

Work Order No. 12149A Inspector T. W. Clark

Maintenance Record

DATE	ITEM	SERIAL #	DISCREPANCY	CORRECTIVE ACTION OR MODIFICATION	REPAIR SHOP AND NUMBER
				Form AF 042 08/27/01 Rev(1)	Aero Charter, Inc. 501 Turbine Avenue Chesterfield, MO 63005 CRS# DGCR175D
					
				Date <u>5-3-12</u> ACIT: <u>5938.9</u> LDGS <u>NA</u>	
				The automatic pressure altitude reporting equipment has been tested & found to comply with paragraph (c), appendix E of FAR43	
				#1 Mfr/Model: <u>Trans Cel SSD120-30N</u> S/N <u>N16432</u>	
				#2 Mfr/Model: <u>NA</u> S/N <u>NA</u>	
				Pertinent details are on file at this Repair Station under.	
				Work Order No. <u>12149A</u> Inspector <u>[Signature]</u>	

Maintenance Record

DATE	ITEM	SERIAL #	DISCREPANCY	CORRECTIVE ACTION OR MODIFICATION
				Piper PA-32-300
				Date <u>05/03/2012</u> Reg. No. <u>N7857F</u>
				Tach Time <u>1,771.2</u> Serial No. <u>32R-778-0084</u>
				
				Aero Charter, Inc. 501 Turbine Avenue Chesterfield, MO 63005 Repair Station DGCR175D 636-537-0005
				Removed and replaced Altitude Encoder P/N AR500 S/N 14422 and installed New Encoder P/N SSD120-30N S/N N16432 . (See Sun Aviation Certificate of conformance. No.112345, Dated May 01, 2012). Performed operational checks as necessary, no defects noted at this time.
				With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 12149A.
				<u>[Signature]</u> Ned Batchelor CRS# DGCR175D

Piper PA-32R-300

Date 11/23/2010 Reg. No. N7857F

Tach Time 2,151.2 Serial No. 32R-7780084



Aero Charter, Inc.
501 Turbine Avenue
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

Complied with Garmin Software Service Bulletin No. 0918 Revision A – Upgraded GNS 530W software to Version 3.30 and placed FAA Approved Airplane Flight Manual Supplement Part No. 190-00357-03 Revision B, dated 31 July 2009, in Airplane Flight Manual. Performed operational checks as necessary, no defects noted at this time.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 10824A.

Ned Batchelor
CRS# DGCR175D

19. ☒ 14 CFR 43.9 Return to service Certifies that unless otherwise described in Block 13 was Regulations, part 43 and in re	20. Authorized Signature: 	22. Name (Typed or Printed): Ned Batchelor
User / Installer Responsibilities It alone does not automatically constitute authority to install the part / component national regulations of an airworthiness authority different than the airworth cepts parts / components / assemblies from the airworthiness authority of the co tification. In all cases, aircraft maintenance records must contain an installation		