

N648CB

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The Standard  
**AVIONICS LOG**

McGraw-Hill

# VOR Accuracy

DATE	VOR #

NAME: 'Flight-Deck Avionics, LLC'      ADDRESS: 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116; 3455 W. Mike Jensen Pkwy Suite 201, Provo, UT 84601  
CRS# F62R677Y      Form No. FD-009  
CRS# F62D677Y

Tail #: N648CB      Mfg: Cirrus      Model: SR22      Serial: 0648

This is A Permanent Logbook Entry:      Performed tests and inspections in accordance with FAR 43 :       Appendix E to comply with FAR 91.411  
 Appendix F to comply with FAR 91.413

UNIT	MFG	MODEL	PART #	SERIAL #	TEST ALTITUDE
Altimeter/PFD	Avidyne	EXP5000	700-00006-000	21592354	20K
Altimeter 2	United Instru	20K A.249G	5934D-3	432282	20K
Encoder	TCI	SSD120	SSD120-30A	A66335	20K
Transponder	Garmin	GTX327	011-00490-00	83714158	20K
NA	-----	-----	-----	-----	-----

The above identified aircraft has been maintained and inspected in accordance with current FARs and is approved for return to service. Details are on file at this station under work order no. 6471 .

Signed: Matthew Drake      Date: 03/27/2014  
Digitally signed by Matthew Drake  
DN: cn=Matthew Drake, o=Flight-Deck Avionics LLC, ou=Flight-Deck Avionics  
Date: 2014.03.27 04:12:53 -0600

(FAA CRS# F62R677Y / F62D677Y)      Recertification Due: 03/31/2016





# VOR Accuracy

MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_ PART NUMBER \_\_\_\_\_

DATE	VOR#	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		

 PENINSULA  
AVIONICS

Removed and replaced Garmin GMA340  
Audio Panel with PS Engineering PMA450  
Audio Panel s/n J01525-K. Ramp test - ok.

Reg\_N648CB 12/15/2015 Tach\_1149.0  
FAA - V9JR020Y Art V. *AV* W.O. 2184

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MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_ PART NUMBER \_\_\_\_\_

LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
			GROUND	FLIGHT	+	-		

Precision Static Testing Livermore, CA  
 FAA Certified Repair Station #QJAR856X  
 PHONE: (925) 449-5904 FAX (925) 449-6081

I certify that the altimeter(s) and static system(s) tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.

Tested to 204 feet. Time: 1167.8  
 W/O# 11431 N 648CD  
 Inspected by [Signature] Date 2/13/16

Test Altitude	Scale Error	Friction Error	Encoder	Leak Acft/Case	Hysteresis		
-1000	+20		-1.0	64 @ 15000			
0	+10						
500	0		.5	% Altitude Tested	Altitude Tested	Amount Hysteresis	
1000	0	0	1.0	50%	106	0	
1500	0		1.5	40%	86	0	
2000	0	0	2.0	After Effect <u>0</u> Check Pitot Heat <u>    </u>			
3000	0	0	2.0	Baro. Scale Error (± 25 ft.)			
4000	0		4.0	28.10	-1727	-	
5000	0		5.0	28.50	-1340	-	
6000	0		6.0	29.00	-863	-	
8000	0		8.0	29.50	-392	-	
10000	0	0	10.0	29.92	0	✓	
12000	+10		12.0	30.50	+531	✓	
14000	0		14.0	30.90	+893	✓	
15000	0	0	15.0	30.99	+974	✓	
16000	0		16.0	Aircraft # <u>N648CD</u>			
18000	0		18.0	Date Tested: <u>2/13/16</u>			
20000	0	0	20.0	Technician: <u>[Signature]</u>			
22000				Inspector: <u>[Signature]</u>			
25000				Tested in compliance with Appendix E, Part 43, F.A.R 91.411			
30000				Tested to: <u>206</u> ft. W.O. #: <u>11471</u>			
35000				Precision Static Testing FAA CRS# QJAR856X			
40000				Form 1A <u>PILOT / FIRST OFFICER / STAND-BY</u>			
45000				A12 / 08 Jan 2007			
50000							

Test Altitude	Scale Error	Friction Error	Encoder	Leak Acft/Case	Hysteresis		
-1000	0			64 @ 15000			
0	0						
500	0			% Altitude Tested	Altitude Tested	Amount Hysteresis	
1000	0			50%	106	+10	
1500	-10			40%	86	+10	
2000	0			After Effect <u>    </u> Check Pitot Heat <u>    </u>			
3000	-10			Baro. Scale Error (± 25 ft.)			
4000	-10			28.10	-1727	-	
5000	0			28.50	-1340	-	
6000	-20			29.00	-863	-	
8000	-20			29.50	-392	-	
10000	-20			29.92	0	✓	
12000	-40			30.50	+531	✓	
14000	-50			30.90	+893	✓	
15000	-60			30.99	+974	✓	
16000	-60			Aircraft # <u>N648CD</u>			
18000	-60			Date Tested: <u>2/13/16</u>			
20000	-80			Technician: <u>[Signature]</u>			
22000				Inspector: <u>[Signature]</u>			
25000				Tested in compliance with Appendix E, Part 43, F.A.R 91.411			
30000				Tested to: <u>206</u> ft. W.O. #: <u>11471</u>			
35000				Precision Static Testing FAA CRS# QJAR856X			
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45000				A12 / 08 Jan 2007			
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# VOR Accuracy


MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_ PART NUMBER \_\_\_\_\_

DATE	VOR#	LOCATION	TACH TIME	FREQUENCY	TYPE OF CHECK		BEARING ERROR		CHECKED BY	REMARKS
					GROUND	FLIGHT	+	-		

Affordable Avionics Inc. 7000 Merrill Ave # 18 Chino, CA 91710 8AAR592Y  
 LOG ID# 2765 21-October-2016 WO# 2654 AC TT 1281.4  
 N648CB S/N 0648 CIRRUS DESIGN CORP SR22

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1. Removed existing loaner PFD PN: 700-00006-000 SN:22545264. Installed PFD PN: 700-00006-000 SN: D1279 after repair by Symetrics Industries WO 14654-8434RS. Post installation ground check carried out satisfactory.
2. Removed existing CI-122 COM Antenna. Installed new AV-17 COM Antenna . Post function check carried out satisfactory.
3. Update MLB 100 SN: 16020023 software to 4.1.0per service Bulletin 601-00000-002 Rev 00 dated March 17, 2016. Post installation ground check carried out satisfactory.

 . 10/21/2016

Signed \_\_\_\_\_ Date \_\_\_\_\_



# Transponder


MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_ PART NUMBER \_\_\_\_\_  
CHECK MODES: A \_\_\_\_\_ C \_\_\_\_\_ S \_\_\_\_\_ REQUIRED INSPECTION FREQUENCY \_\_\_\_\_

DATE	TYPE OF CHECK	NEXT CHECK DUE	REPAIR SHOP AND NUMBER	SIGNATURE

Affordable Avionics Inc. 7000 Merrill Ave # 18 Chino, CA 91710 8AAR592Y  
LOG ID# 3093 14-April-2017 WO# 3260  
N648CB S/N 0648 CIRRUS DESIGN CORP SR22

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1. Update Dual IFD 440 SN: M160181401 and M155179888 software to 10.2.0.0 per Service Bulletin 601-00182-034 Rev 10 dated 3/10/17. Post installation ground check carried out satisfactory. Instructions of Continued Airworthiness AVIFD-315 Rev 8 dated 01/18/17, was provided to the Operator.
2. Update MLB 100 SN: 16020023 software to 4.1.0 per Service Bulletin 601-00000-002 Rev 00 dated March 17, 2016. Post installation ground check carried out satisfactory. Instructions of Continued Airworthiness 240-0017-00 Rev 10 dated 12/17/201, was provided to the Operator.

 4/14/2017  
Signed Date

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# Transponder

MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_ PART NUMBER \_\_\_\_\_  
CHECK MODES: A \_\_\_\_\_ C \_\_\_\_\_ S \_\_\_\_\_ REQUIRED INSPECTION FREQUENCY \_\_\_\_\_


DATE	TYPE OF CHECK	NEXT CHECK DUE	REPAIR SHOP AND NUMBER	SIGNATURE
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Sarasota Avionics Inc Tampa (TPF)  
845 Severn Ave. Tampa, FL 33606  
Tail No.: N648CB/CIRRUS/SR22/SN:0648  
Date: 12/29/2017                      Work Order: 21422  
Hobbs: 1438.4



Relocated GPS#1 antenna (GA35) to top of fuselage in accordance with Cirrus Service Bulletin SB2x-34-24R1.

I certify all work done to the aircraft and/or component identified above was done in accordance with current regulations of the Federal Aviation Administration and was found approved for return to service with respect to the work performed.

 \_\_\_\_\_, for Sarasota Avionics Tampa QVOD957X