

THE  
**adlog**<sup>TM</sup>

AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

N8614Y 1  
03/2001 - 03/2022  
Start End

**AVIONICS  
MAINTENANCE  
RECORDS**

# AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Aircraft Registration No. 86144  
Aircraft Manufacturer Piper  
Model PA30  
Serial No. 30-1754

Log No. 1  
*Closed 03/23/2022*  
*Jurhin T. Blecker*  
*June 21/2020*  
*HIP 3353842*

## EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

Mfg.	Model	Serial No.
1.		
2.		
3.	GMA-340 S/N 96256047 P/N 010-00152-11	
4.	GNS-530 S/N 78401536 P/N 010-00182-11	
5.	GI-106A S/N M2020 P/N 013-0049-00	
6.	GNS-430 S/N 97102367 P/N 010-00139-01	
7.	GTX-327 S/N 83703130 P/N 010-00188-01	
8.	Shadin Altitude Alerter S/N 8900 P/N AMS2000	
9.	GI-106A S/N 20661 P/N 013-0049-00	
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		



**AEROTECH PUBLICATIONS INC.**

PO BOX 1359 / SOUTHOLD, NY 11971-0965

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FAX: (516) 765-9359



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK							
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESR686D							
Customer Name: CASH			Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
006			4453	N8614Y	PIPER	PA30	30-1754	508.82	3/26/01	
O P R Description									Page	1
1001	Removed Narco audio panel CP-136M, S/N 75416. Installed GMA-340 audio, P/N 010-00152-11, SN 96256047, in accordance with Garmin GMA-340 installation manual #1 190-00149-01, Rev. E. Ramp system check good.									
1002	Removed Narco MK-12D NAV COM, SN 00219. Removed Trimble 2000 approach GPS S/N 5501471. Installed GNS-530 P/N 010-00182-11, S/N 78401556 with GA-56 GPS antenna, P/N 010-10040-01, S/N M20661. Work completed in accordance with Garmin GNS-530 installation manual 190-00181-02, Rev. C dated September 2000. Ramp system check good.									
1003	Removed MK-12D, NAV/COM SN 54233. Installed Garmin GNS-430 P/N 010-00139-01, SN 97102367 with GA-56 antenna P/N 010-10040-01, SN 59055652 with GI-106A GDI indicator, P/N 010-00139-01, SN M20020. Work completed in accordance with Garmin GNS-430 installation manual #190-00140-02 Rev. H dated September 2000. Ramp system check good.									
1004	Removed King KT-76A transponder, S/N 33261. Installed GTX-327 digital transponder P/N 010-00188-01, SN 83703130 in accordance with Garmin installation manual # 190-0087-02, Rev. B dated February 2000. Ramp system check good.									
Work Order			4453 Continued on the Next Page							
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESR686D							
Customer Name: CASH			Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
006			4453	N8614Y	PIPER	PA30	30-1754	508.82	3/26/01	
O P R Description									Page	2
1005	Removed airspeed indicator. Replaced airspeed indicator, P/N 8130, S/N 174559 in accordance with AC43.13. Tested pitot/static system in accordance with FAR 91.411. Ramp system check good.									
1006	Installed Shaden Altitude Alerter P/N 8900, SN in accordance with Shaden installation manual, IN-8900A Rev. D, dated February 12, 1998. Ramp system check good.									
1007	Removed aerosonic altimeter S/N C100202. Re-certified unit, on the bench, to 20,000 feet. Re-installed S/N C100202.									
1008	Performed transponder correlation check good in accordance with FAR 91.413.									
1009	Tested Pitot/Static system in accordance with FAR 91.411.									
1010	Removed existing DME antenna. Removed Loran antenna. Removed ADF antenna, doubled and patched holes in accordance with AC43.13.									
1011	Widened instrument panel and modified rack system in accordance with AC43.13, as outlined in FAA form 337.									
Work Order			4453 Continued on the Next Page							
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESR686D							
Customer Name: CASH			Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
006			4453	N8614Y	PIPER	PA30	30-1754	508.82	3/26/01	
O P R Description									Page	3
1999	***** THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. SIGNED: <i>[Signature]</i> FOR RS# ESR686D *****									



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK				
			HILL AIRCRAFT & LEAS		FAA Certified Repair Station ESER686D		
			Customer Name: Avionics - Warranty				
			Shop Order	Reg.No.	Make	Model	
			006	4499	N8614Y	PIPER	
						Serial	
						30-1754	
						Tach Time	
						509.74	
						Closed	
						5-07-01	
			O P R Description				
						Page	
						1	
			1001	Replaced NAV plate in accordance with AC43.13.			
			1003	Glued attaching panel.			
			1004	Repaired ground wire good.			
			1006	Tested system. Programed transponder R232 input. Operative check good.			
			1007	Replaced broken bolt in accordance with AC43.13 Operative check good.			
			1008	Removed airspeed indicator. Sent unit to P.A.I. for markings. Re-installed instrument. Operative check ok.			
			1009	Completed in accordance with FAR 91.413. Ramp check good.			
			1011	Tested system with engines at high idle and in flight. Could not duplicate squawk. Inspected system visually. Tightened nut on right engine noise filter. Operative check ok.			
			1012	Replaced pilots side Jack in accordance with Bose install manual.			
			Work Order 4499 Continued on the Next Page				

			HILL AIRCRAFT & LEAS		FAA Certified Repair Station ESER686D		
			Customer Name: Avionics - Warranty				
			Shop Order	Reg.No.	Make	Model	Serial
			006	4499	N8614Y	PIPER	PA30
							Tach Time
							509.74
							Closed
							5-07-01
			O P R Description				
							Page
							2
			1013	Replaced temperature Probe in accordance with Davtron install manual. Operative check good.			
			1014	Repaired broken wire on back of rack in accordance with AC43.13. operative check good.			
			1999	***** THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. SIGNED: <i>Albert Shog</i> FOR RS# ESER686D *****			

			HILL AIRCRAFT & LEAS		FAA Certified Repair Station ESER686D		
			Customer Name: CASH				
			Shop Order	Reg.No.	Make	Model	Serial
			006	4499	N8614Y	PIPER	PA30
							Tach Time
							509.74
							Closed
							5-7-01
			O P R Description				
							Page
							1
			1002	Verified discrepancy. Removed auto-pilot and sent units for repair. Re-installed repaired auto-pilot controller, selector and computer. Operative check good.			
			1005	Replaced landing light in accordance with AC43.13.			
			1010	Aircraft weighted in accordance with AC43.13 manual.			
			1999	***** THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. SIGNED: <i>Albert Shog</i> FOR RS# ESER686D *****			



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK							
			<b>HILL AIRCRAFT &amp; LEAS</b>			FAA Certified Repair Station ESER686D				
			Customer Name: CASH							
			Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
			006	4998	N8614Y	PIPER	PA30	30-1754	621.89	FEB 25 02
			<b>O P R Description</b>						Page	1
			1001	Removed autopilot control head P/N 1D396 SN 1174-B, removed control head mounting box P/N 15B185 SN 4177, removed radio coupler P/N 1C388 SN P20741G, removed roll servo P/N 1C363-1-161R SN 283A, removed altitude hold module P/N 1D391-186 SN 1463-B, directional gyro P/N 14621-003-14, SN 63125F, removed altitude gyro P/N 700-3CF SN 2099A. Removed gyro amplifier P/N 1C359-1 SN 6075-F. Removed switch box P/N 1B405 SN 3071. Removed autopilot computer P/N 1D395 SN 1049G in accordance with EDO-AIRE Mitchell Century III 68554.						
			1002	Install Century NSD-360A non-slaved HSI P/N 52D136-1333 SN 15003A in accordance with Century NSD-36A installation manual bulletin 734, Rev 8 dated 8-15-2000. Installed Century 52D267 air driven attitude gyro P/N 14367-2D4-4 SN T10655D. Installed autopilot computer P/N 10937-20506169918 SN 1788F. Installed Century pitch servo and mounting bracket P/N 1C784-3974 SN 1250. Install Century roll servo P/N 1C7854-2-972 SN 1237 in accordance with Century 2000 General installation bulletin AK974 autopilot bulletin 2030, Rev. 11 dated 2-2-1999. Fabricated and installed roll servo bracket in accordance with Century Engineering Diagram 7B2495, Rev C dated 9-28-1994 secured autopilot circuit breaker open placarded autopilot control head and circuit breaker " autopilot inoperative"						
			Work Order 4998 Continued on the Next Page							
			<b>HILL AIRCRAFT &amp; LEAS</b>			FAA Certified Repair Station ESER686D				
			Customer Name: CASH							
			Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
			006	4998	N8614Y	PIPER	PA30	30-1754	621.89	FEB 25 02
			<b>O P R Description</b>						Page	2
			1002	autopilot will be made operative after completion of annual inspection and test flight.						
			1003	Repaired broken wire for (fuel press, mag. & start) on left wall of pilot in accordance with AC43.13 chapter section 13. Ops check good.						
			1004	Installed PS Engineering PCD 7100 P/N 11952 SN B1553 opt 3 in accordance with PS Engineering Incorporated Installation and operating manual P/N 200-971-0001 Rev 1 Dec. 2000. Ops check good						
			1999	***** THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. SIGNED: <u>Chad</u> <u>Continuit</u> FOR RS# ESER686D *****						



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK					Page No.
			HILL AIRCRAFT & LEAS					
			Customer Name: CASH					FAA Certified Repair Station ESER686D
			Shop Work Order	Reg.No.	Make	Model	Serial	Tach Time Closed
			005 5132 N8614Y		PIPER	PA30	30-1754	621.89 MAY 8 02
			O P R Description					Page 1
			1 Removed and replaced ELT battery P/N BS2173 with new ELT battery P/N BS2173 in accordance with enclosed instructions, ops check good. Next due 3/04.					
			999 *****					
			THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.					
			SIGNED: <i>Chad Cantrell</i> FOR RS# ESER686D					
			*****					
			HILL AIRCRAFT & LEAS					
			Customer Name: CASH					FAA Certified Repair Station ESER686D
			Shop Work Order	Reg.No.	Make	Model	Serial	Tach Time Closed
			006 5133 N8614Y		PIPER	PA30	30-1754	623.31 MAY 8 02
			O P R Description					Page 1
			1001 Installed Century 2000 Autopilot computer P/N 1D937-20506139918 SN 1788 F. Repaired Roll Servo & Pitch in accordance with Century 2000 General Installation Bulletin 2000. Ground checks good. Flight check ok.					
			1999 *****					
			THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.					
			SIGNED: <i>Chad Cantrell</i> FOR RS# ESER686D					
			*****					
			HILL AIRCRAFT & LEAS					
			Customer Name: Avionics - Warranty					FAA Certified Repair Station ESER686D
			Shop Work Order	Reg.No.	Make	Model	Serial	Tach Time Closed
			006 5150 N8614Y		PIPER	PA30	30-1754	508.82 MAY 3 02
			O P R Description					Page 1
			1001 Re-seated connector on back of CD player. Tested CD player in accordance with PCD7100 installation and operation manual, ops check good.					
			1002 Adjusted GPS key lights in accordance with Garmin 400 series maintenance manual 190-00140-005, ops check good.					
			1003 Installed cover plates on pilot and co-pilot side in accordance with Piper PA-30 service manual, section 10.					
			1006 Traced problem to glideslope connector loose at glideslope splitter. Tightened connector. Ramp checked #1 glideslope good in accordance with GNS530 install manual.					
			1008 Replaced Bose jack on co-pilot side in accordance with Bose install manual, ops check good.					
			1009 Repaired broken wires behind instrument panel in accordance with AC43.13, chapter 11 section 1, pilot's lower panel lights, ops check good.					
			1010 Replaced NAV selector switch P/N 587-953 in accordance with Piper PA-30					
			Work Order 5150 Continued on the Next Page					



DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

## HILL AIRCRAFT &amp; LEAS

FAA Certified Repair Station ESER686D

Customer Name: CASH

Shop Work Order Reg.No.

006

5150

N8614Y

Make

PIPER

Model

PA30

Serial

30-1754

Tach Time Closed

508.82

MAY 3 02

## O P R Description

Page 1

1012

Installed bracket P/N 7B7367 and pitch trim servo P/N 1C791-3-972 S/N 647 between fuselage stations 157.0 and 184.0 in accordance with Century Flight systems AK974 Bulletin 2030, REV. 11. Fabricated 90 degree bracket of 2024T3-012 in accordance with AC43.13-1B, chapter 4 to facilitate installation of master disconnect relay P/N 1B 759-2, SN 427, under pilots instrument panel and attached same with 8-32 screws and 8-32 floating nutplates in accordance with Century Flight Systems AD974 Bulletin 2030, rev 11. Completed autotrim installation in accordance with Century 2000 installation manual. Revised aircraft Weight and Balance and Equipment List in accordance with AC43.13-1B chapter 10. See FAA form 337 dated 5-5-02.

1999

\*\*\*\*\*  
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.

SIGNED:

FOR RS# ESER686D

## HILL AIRCRAFT &amp; LEAS

FAA Certified Repair Station ESER686D

Customer Name: Avionics - Warranty

Shop Work Order Reg.No.

006

5150

N8614Y

Make

PIPER

Model

PA30

Serial

30-1754

Tach Time Closed

508.82

MAY 3 02

## O P R Description

Page 2

1010

maintenance manual, chapter 34.

1013

Performed operational check on all Avionics equipment in accordance with applicable manufacturer's.

1014

Found phone wire open. Ran new cable from the audio panel to co-pilots phone jack in accordance with GMA340 install manual. Ops checked good in accordance with same manual.

1999

\*\*\*\*\*  
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.

SIGNED:

FOR RS# ESER686D



DATE

AIRFRAME  
TIME  
IN  
SERVICEAVIONICS  
TIME  
IN  
SERVICEDESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

## HILL AIRCRAFT &amp; LEAS

FAA Certified Repair Station ESER686D

Customer Name: Avionics - Warranty  
Shop Work Order Reg.No. Make  
006 5267 N8614Y PIPERModel Serial Tach Time Closed  
PA30 30-1754 637.90 JUN 3 02

## O P R Description

Page 1

- 1001 Traced problem to a broken Mic Hi wire. Repaired wire in accordance with AC43.13-1B, chapter 11. Ops checked pilots Bose headset good in accordance with GNS-530 install manual.
- 1002 Found circuit breaker and climate control area are not lit in accordance with PA-30 maintenance manual. Replaced faulty fuel gauge light bulb, in accordance with AC43.13-1B, chapter 11. Ops checked good.
- 1003 Traced problem to the dimmer potentiometer wired incorrectly. Rewired dimmer potentiometer in accordance with PA-30 maintenance manual. Ops checked gear lights good.
- 1004 Leveled Gyro in accordance with PA-30 maintenance manual. Ops checked attitude indicator good.
- 1005 Installed glare shield in accordance with Piper PA-30 maintenance manual, chapter 53.
- 1006 Traced fault to open Mic Lo wire. Repaired wire in accordance with AC43.13-1B, chapter 11. Ops check co-pilots Bose headset good.

Work Order 5267 Continued on the Next Page

## HILL AIRCRAFT &amp; LEAS

FAA Certified Repair Station ESER686D

Customer Name: Avionics - Warranty  
Shop Work Order Reg.No. Make  
006 5267 N8614Y PIPERModel Serial Tach Time Closed  
PA30 30-1754 637.90 JUN 3 02

## O P R Description

Page 2

- 1007 Aligned heading bug in flight in accordance with Century 2000 autopilot maintenance manual, ops check autopilot good.

1999 \*\*\*\*\*  
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE  
IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT  
REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR  
RETURN TO SERVICE.

SIGNED: *Chad* *Cartwright* FOR RS# ESER686D

## HILL AIRCRAFT &amp; LEAS

FAA Certified Repair Station ESER686D

Customer Name: CASH

Shop Work Order Reg.No.  
006 5290 N8614YMake  
PIPERModel  
PA30Serial  
30-1754Tach Time Closed  
650.83 JUN 5 02

## O P R Description

Page 1

- 1002 Aligned both indicator needles, in accordance with Garmin GNS530 and GNS430 install manuals.

1999 \*\*\*\*\*  
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE  
IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT  
REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR  
RETURN TO SERVICE.

SIGNED: *Chad* *Cartwright* FOR RS# ESER686D



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK				
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESER686D				
Customer Name: CASH							
Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
005	5320	N8614Y	PIPER	PA30	30-1754	656.60	JUN 29 02
O P R Description							Page 1
1001	Connected glideslope coax to correct port of the NAV splitter, in accordance with GNS-530 install manual. Ops checked #1 glideslope good in accordance with GNS-530 install manual.						
1999	<p>*****</p> <p>THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>SIGNED: <u>Chad Catmull</u> FOR RS# ESER686D</p> <p>*****</p>						
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESER686D				
Customer Name: CASH							
Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
006	5366	N8614Y	PIPER	PA30	30-1754	672.25	JUN 2 02
O P R Description							Page 1
1001	Removed Century Flight Controller, part no. 10937-20306139913, S/N:1788G and installed part no. CE2050-6139918, S/N:1642G. Ops checked Autopilot good in accordance with Century 2000 Autopilot Install Manual.						
1002	Found broken wire at manifold pressure indicator lighting assembly and repaired wiring in accordance with AC43.13-1B, Chapter 4. Ops checked lighting good.						
1999	<p>*****</p> <p>THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>SIGNED: <u>Chad Catmull</u> FOR RS# ESER686D</p> <p>*****</p>						
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESER686D				
Customer Name: CASH							
Shop	Work Order	Reg.No.	Make	Model	Serial	Tach Time	Closed
006	5415	N8614Y	PIPER	PA30	30-1754	673.40	
O P R Description							Page 1
1001	Landing gear "up" and "transit" lights inop. Traced problem to two broken wires at the lights. Repaired same in accordance with AC 43.13-1B, Chapter 4. Ops checked good in accordance with PA 30 Maintenance Manual.						
1002	Removed Century Altitude Gyro, Model 52D267M. P/N 1U367-204-4, S/N:T10655D. Installed warranty exchange Unit Model 52D267M, P/N 1U367-204-4, S/N T10751D. Ops checked good in accordance with Century 2000 Autopilot Install Manual.						
1999	<p>*****</p> <p>THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>SIGNED: <u>Chad Catmull</u> FOR RS# ESER686D</p> <p>*****</p>						



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	Page No.
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### HILL AIRCRAFT & LEAS

Customer Name: Avionics - Warranty  
Shop Work Order Reg.No. 006 5426 N8614Y Make PIPER

FAA Certified Repair Station ESER686D


Model PA30 Serial 30-1754 Tach Time 676.90 Closed AUG 30 02

### OPR Description

1001 Removed loaner Century 2000 Autopilot Computer, PN 1D937-20506139918, SN142G & installed repaired A/P Computer, PN CE20506139918, SN 1788G. Ops checked Autopilot good in accordance with Century 2000 Autopilot Install Manual.

Page 1

1999

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THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.  
SIGNED:  FOR RS# ESER686D  
\*\*\*\*\*

FOR RS# ESER686D

### HILL AIRCRAFT & LEAS

Customer Name: CASH  
Shop Work Order Reg.No. 006 5439 N8614Y Make PIPER

FAA Certified Repair Station ESER686D

Model PA30 Serial 30-1754 Tach Time 683.28 Closed OCT 11 02

### OPR Description

1001 Installed manifold pressure gauge instrument post light in accordance with Aircraft Maintenance Manual, Chapter 33.

Page 1

1002 Found connector loose on the HSI and reseated connector. Ops checked HSI good in accordance with Century 2000 Maintenance Manual.

1003 Repaired and ops checked flap light in accordance with Aircraft Maintenance Manual, Chapter 33.

1004 Replaced all Klyxon Circuit Breakers in accordance with Aircraft Maintenance Manual, Chapter 24.

1005 Adjusted pilots Horizon Indicator to a level configuration in accordance with Century 2000 Autopilot Installation Manual.

1006 Found glideslope coupling not installed. Installed glideslope coupling in accordance with Century 2000 Autopilot Install Manual. Ops checked Autopilot good in accordance with Century 2000 Autopilot Install Manual.

1007 Adjusted both upper and lower stabilator cable tension to 16 lbs. in

Work Order 5439 Continued on the Next Page

### HILL AIRCRAFT & LEAS

FAA Certified Repair Station ESER686D

Customer Name: CASH  
Shop Work Order Reg.No. 006 5439 N8614Y Make PIPER

Model PA30 Serial 30-1754 Tach Time 683.28 Closed OCT 11 02

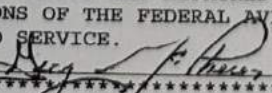
### OPR Description

Page 2

1007 accordance with Piper Twin Comanche Service Manual, Chapter V. Adjusted pitch servo bridle cable tension to 15 lbs. in accordance with Century C2000 Autopilot Manual, Section 2.

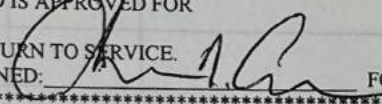
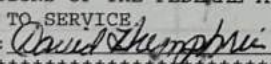
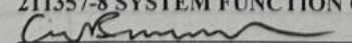
1008 Removed Century Autopilot Computer, P/N CE20306139918, S/N 1788G and Attitude Gyro, P/N 52D267M, S/N T10751D. Sent both units to Century Flight Systems for repair and both units were repaired under W/O 54574. 10-10-02 reinstalled S/N's 1788G & T10751D. Ops checked autopilot good in accordance with Century 2000 Autopilot Install Manual.

1999

\*\*\*\*\*  
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.  
SIGNED:  FOR RS# ESER686D  
\*\*\*\*\*

FOR RS# ESER686D



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK				
Hill Aircraft & Leas			FAA Certified Repair Station ESER686D				
Customer Name: Randall Davis							
Shop	Work Order	Reg. No.	Make	Model	Serial	Tach Time	Closed
006	5502	8614Y	PIPER	PA30	30-1754	684.90	OCT 14 '02
<b>O P R Description</b>							
1001	Traced problem to a loose connection behind the Autopilot Computer. Tightened connection, Ops checked airspeed good in accordance with FAR 91.411 requirements.						
1999	***** THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR						
1999	RETURN TO SERVICE. SIGNED:  FOR RS# ESER686D *****						
HILL AIRCRAFT & LEAS			FAA Certified Repair Station ESER686D				
Customer Name: CASH							
Shop	Work Order	Reg. No.	Make	Model	Serial	Tach Time	Closed
006	5746	N8614Y	PIPER	PA30	30-1754	731.03	FEB 20 '03
<b>O P R Description</b>							
1001	Performed in flight adjustment procedures for Century 2000 Autopilot System. System now meets or exceeds tolerances outlined in flight test procedures per Century 2000 Autopilot General Installation Bulletin FAA/DAS approved Bulletin, No. 2000, Section 3.						
1999	***** THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. SIGNED:  FOR RS# ESER686D *****						
N8614Y PIPER PA-30 S/N 30-1754							
8-9-04 HOBBS: 943.27							
REMOVED WX-900 ANTENNA AND PROCESSOR, AND REINSTALLED AFTER BENCH CHECK AND REPAIR. REPAIRED BY L-3 COMMUNICATIONS CRS # NN2R037L W/O 211357-8 SYSTEM FUNCTION CHECKS GOOD.							
 C W RIMMER A & P 234027247							



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			N8614Y PIPER PA-30 S/N 30-1754 11-22-04 HOBBS: 973.16
			REMOVED AIRSPEED INDICATOR AND REINSTALLED AFTER REPAIR BY PAI, FAA# ZV4R714M, REF WO# U6604A. SYSTEM FUNCTION/LEAK CHECKS GOOD. <i>Carl Campbell</i> C W RIMMER A & P 234027247



**Sebastian Communication Inc.**  
FAA Approved Repair Station OF4R412M  
473 Manor Drive, Merritt Island, FL 32952  
321-453-6894, fax 321-452-5650

Piper PA-30, N8614Y, s/n 30-1754

Removed GTX-327 transponder. Installed Garmin GTX-330 transponder, GDL-69 XM weather receiver & GA-55 XM antenna. See 337 Form and Weight & Balance revision this date.

Transponder test & inspections required by FAR 91.413 performed and found to comply with FAR 43, appendix F.

Automatic pressure altitude reporting test & inspections required by FAR 91.411 have been performed.

10/17/2006

Carl Campbell

*Carl Campbell*

2500 Chesna Lane  
Kennesaw, GA 30144-3678  
Tel: 770-426-9411  
Fax: 770-426-6208

16291

4/1/07

8614Y

Signed

*Don Walker*

CRS #VWIR65

2500 Chesna Lane

Kennesaw, GA 30144-3678

WO#

14291

Date

4/18/07

N#

8614Y

A 2 year/FAA certification was performed on this aircraft. Inspected by FAR 91.413 and complies with appendix F. and static system was tested per FAR 91.411 and complies with FAR 43 appendix E

Signed

*Don Walker*

CRS #VWIR65-1K

**Avwest Atlanta**

P.O. Box 2032

Phone: 770-426-9411

Date: 4/18/07

Kennesaw, GA 30156

FAX: 770-426-6208

W.O.# 14291

N# 8614Y

ALTIMETER SCALE ERROR

VWIR654K

NONMENCLATURE

SER#

ALTIMETER PRESSURE ACT

C100 302

TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS
-1000	-5	10000	-40		
000	-5	12000	-40		
500	-10	14000	-50		
1000	-10				
1500	-15	16000	-80		
2000	-10	18000	-100		
3000	-15	20000	-110		
4000	-15	22000			
		25000			
6000	-20	30000			
8000	-30	35000			



# AVIONICS WEST, INC.

## SERVICEABLE PART

MFG. ASIN  
 MODEL NO. EFN100  
 PART NAME EFN  
 PART NO. 110 SER. NO. 002084  
 REG. # 110 TAT 110 CYCLES 110  
 BENCH CHECKED ☒ REPAIRED ☐  
 OVERHAULED ☐

OWNER RANDY DAVIS  
 MAINTENANCE RELEASE  
 The aircraft and/or the component identified above  
 was repaired or inspected in accordance with current

S  
C.

ART

DESCRIPTION  
TURE & CERTIFICAT

Avwest Atlanta  
 P.O. Box 2032  
 Phone: 770-426-9411  
 Date: 4-23-09 W.O. # 7313 N# 80  
 Kennesaw, GA  
 FAX: 770-426-9411  
 VWIR654K

ALTIMETER SCALE ERROR		NONMENCLATURE		ALTIMETER PRESSURE		SER#	
						<u>C100202</u>	
TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS

## SERVICEABLE PART

AVIONICS  
WEST, INC.

20K

## Avwest Atlanta

P.O. Box 2032  
 Phone: 770-456-0724  
 Date: 9/6/11 W.O. # 8190 N# 8614  
 Kennesaw, GA 30156  
 FAX: 770-456-0724

ALTIMETER SCALE ERROR		NONMENCLATURE		ALTIMETER PRESSURE		SER#	
						<u>002084</u>	
TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS	TEST PT (FT)	INDICATOR READINGS
-1000		-1000		-1000		-1000	
000	<u>+20</u>	000	<u>+20</u>	000	<u>+20</u>	000	<u>+20</u>
500	<u>+20</u>	500	<u>+20</u>	500	<u>+20</u>	500	<u>+20</u>
1000	<u>+20</u>	1000	<u>+20</u>	1000	<u>+20</u>	1000	<u>+20</u>
1500	<u>+25</u>	1500	<u>+25</u>	1500	<u>+25</u>	1500	<u>+25</u>
2000	<u>+30</u>	2000	<u>+30</u>	2000	<u>+30</u>	2000	<u>+30</u>
3000	<u>+30</u>	3000	<u>+30</u>	3000	<u>+30</u>	3000	<u>+30</u>
4000	<u>+30</u>	4000	<u>+30</u>	4000	<u>+30</u>	4000	<u>+30</u>
6000	<u>+30</u>	6000	<u>+30</u>	6000	<u>+30</u>	6000	<u>+30</u>
8000	<u>+30</u>	8000	<u>+30</u>	8000	<u>+30</u>	8000	<u>+30</u>

MFG. ASIN  
 MODEL NO. EFN100  
 PART NAME EFN  
 PART NO. 110 SER. NO. 002084  
 REG. # 110 TAT 110 CYCLES 110

## SERVICEABLE PART

AVIONICS  
WEST, INC.

20K

Avionics West, Inc. dba Avwest Atlanta  
 9382 Stockmar Rd  
 Villa Rica, GA 30180  
 Tel: 770-456-0724  
 Fax: 770-456-0724  
 A 2 year IFR Certification was performed on this aircraft. Complies with FAR 43 appendix E and F, FAR 91.413. Altimeter tested per FAR 43 in accord w/ current FARs and is approved for return to service.  
 Signed: [Signature]  
 Date: 9/6/11 W.O. # 8190 N# 8614



DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Southland Aviation, Inc. FAA-CRS LGRR381X  
155-E Hangar 33 Hwy 61 S.E. (V) 770 386-7633  
Cartersville, GA 30120 (F) 770 386-6355

Date: 10/13/2013 Make: PIPER Model: PA-30  
N# 5614 S/N: 30-1754

Tach/Hobs: 2057.24 / 2054.51

I certify that the Altimeter Instrument and Static Pressure System Tests and Inspections required by FAR 91.411, have been performed I/A/W FAR 43 App. E.

ASPER #1 LH Alt: EFD 1000 S/N: 002084 Tested to: 20,000  
RH Alt: PERDYNAMIC S/N: 100202 Tested to: 20,000

I certify that the ATC Transponder Tests and Inspections required by FAR 91.413 have been performed I/A/W FAR 43 App. F.

X' pdr #1 GARNIN 6-17 330 S/N: 84123360  
X' pdr #2 S/N: —

**Maintenance Release:**

This aircraft, airframe, engine, propeller or appliance identified above was repaired, modified or altered and/or inspected I/A/W current rules of the Federal Aviation Administration and is approved for return to service for the work performed under W.O. # 13-084 at this repair station.

Signed

For FAA-CRS LGRR381X



Sebastian Communication Inc.

FAA Approved Repair Station OF-49412M  
473 Manor Drive Marietta Island R. 32952  
321-453-8894 fax 321-452-6650

PIPER N8614V, S/N 30-1754, 04-19-2014,

Aspen EFD 1000, ASO-110-00, S/N 002084, MOD A. Updated to SW map V 2.6.2 and IOP V2.0.5.

Unlocked Evolution Synthetic Vision per Tech Note 2011-10 rev B. Details are on file under Work Order #. 751

Patrick Carroll



AIRFRAME  
TIME  
IN  
SERVICE

AVIONICS  
TIME  
IN  
SERVICE

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



**Sebastian Communication, Inc.**

FAA Approved Repair Station OF4R412M  
473 Manor Drive, Merritt Island, FL 32952  
321-453-6894, FAX 321-452-5650

**PIPER N8614Y S/N 30-1754, 01/21/2016**

Up graded Aspen software to P/N MAP 302-00007-024 (V2.8.2) and P/N IOP 302-00013-005 (VB2.0.5).  
Details are on file at this station under W.O.# 1239 *Frank Campbell*



**Sebastian Communication Inc.**

FAA Approved Repair Station OF4R412M  
473 Manor Drive, Merritt Island, FL 32952  
321-453-6894, fax 321-452-5650

**PIPER N8614Y, S/N 30-1754, 01/21/2016**

The altimeter and static system tests required by FAR 91.411 and transponder tests, including data correspondence, required by FAR 91.413, have been performed and found to comply with FAR Part 43, appendix E and F. **ALTIMETER:** Aspen P.N. A50-110-00 Mod A, S/N/ 002084. **ALTIMETER #2:** Aerosonic Encoding P.N. 101627-01344, S/N C101119. **TRANSPONDER:** Garmin TX 330, S/N 84123360. Altimeter and Encoder correspondence was tested to 20,000 ft. Details are on file at this station under WO # 1239 *Frank Campbell*



**Sebastian Communication Inc.**

FAA Approved Repair Station OF4R412M  
473 Manor Drive, Merritt Island, FL 32952  
321-453-6894, fax 321-452-5650

Piper PA-30, N8614Y, s/n 30-1754

12/28/2017

Removed Garmin GTX-330 transponder. Installed Garmin GTX-345 transponder, utilizing existing transponder antenna, power source and altitude encoder. GTX-345 wired to existing Garmin GNS-530W, GNS-430W and GMA-340 audio panel. GTX-345 installation IAW STC# SA01714WI. Weight & Balance and Equipment List updated. See 337 Form this date.

Performed ATC transponder test and inspections required by FAR 91.413, found to comply with FAR 43, appendix F. Garmin GTX-345, s/n 3EG010133.

Carl E. Campbell *Frank Campbell*



**Sebastian Communication Inc.**

FAA Approved Repair Station OF4R412M  
473 Manor Drive, Merritt Island, FL 32952  
321-453-6894, fax 321-452-5650

**PIPER, N8614Y, S/N 30-1754, 1/18/2018**

The altimeter and static system tests required by FAR 91.411 and transponder tests, including data correspondence, required by FAR 91.413, have been performed and found to comply with FAR Part 43, appendix E and F. **ALTIMETER:** Aerosonic, P/N: 101627-01344 S/N: C101119, **ALTIMETER:** Aspen, P/N: 910-00001-001, S/N: 9710426 **ENCODER:** Aerosonic, P/N: 101627-01344, S/N C101113. **TRANSPONDER:** Garmin, Model: GTX345, P/N: 011-03302-00, S/N: 3EG010133. Altimeter and Encoder correspondence was tested to 20,000 ft.. Details are on file at this station under W.O. #1795

*Frank Campbell*



# AUTHORIZED FIELD RETURN



FD2R816K

AFR Number 88845 Sales Order 5632  
Customer DLK Aviation Inc.  
Description Controller Flight Computer  
Part Number 1D937-20306139918  
Serial Number 1788G

Received Date 24-Apr-2019  
Technician 584  
Disposition Inspected/Tested  
Labor Hours 2.0

☐ Warranty

## Customer Complaint

ALT hold INOP

## Inspection Findings

Could not duplicate problem. Also ran unit on dynamic test set with aircraft servos & Att gyro with no failures. Missing dust covers & plug.

## Repair Detail

No problem found. Replaced missing dust covers & plug. Ran 100% I.A.W. Eng. Spec. 12A475 Rev.H

## Notes

This unit has old style Alt. hold transducer, no Alt. problems at this time.  
Old style Alt. hold transducer not covered under warranty.

## Parts Used During Repair

Qty	Part Number
1	15S437
1	15S414
1	28S56

**I APPROVE THIS PART FOR RETURN  
TO SERVICE IN ACCORDANCE WITH  
FAR 43.9 AND / OR FAR 43.11**

Mitchell D. Langston

16-May-2019



DATE

AIRFRAME  
TIME  
IN  
SERVICEAVIONICS  
TIME  
IN  
SERVICEDESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**Sebastian Communication Inc.**FAA Approved Repair Station OF4R412M  
473 Manor Drive, Merritt Island, FL 32952  
321-453-8894, fax 321-452-5650

Piper PA-30, N8614Y, s/n 30-1754

November 21, 2018

Updated Garmin GTX-345 transponder software to version 2.12 per Garmin Service Bulletin 1732, rev A. Provided customer with new Garmin AFMS p/n 190-00724-15, rev 3 and ICA p/n 190-00734-11, rev 6 as instructed in Garmin Service Bulletin 1804, rev A. Updated Garmin GNS-430W software to version 5.40 per Garmin Service Bulletin 1762, rev A.

Carl E. Campbell

Avionics - page 1 of 1



Phoenix Air Group, Inc. - General Aviation Maintenance Division - 155 Highway 61 SW - Cartersville, GA 30120 - 770-387-2000 ext 134

**N8614Y****January 4, 2019**

Tach: 2672.0

Removed & reinstalled GNS530W (P/N: 011-01064, S/N: 78401556). Repair accomplished by GAF/MIN International (Cert No. G6XR582Y) on 12/21/2018. Main & GPS software updated with latest revision. Refer to Garmin W/O: RMA 107053440.

I certify that the removal & installation above have been completed in accordance with current Federal Aviation Administration regulations, and is approved for return to service.

Steve Pelfrey A&amp;P / IA 3601725



2601 Cessna Lane NW Kennesaw, GA 30144 DK7R795J  
LOG ID# 20887 17-May-2019 WO# 19215 REF# AV  
N8614Y S/N 30-1754 PIPER PA30  
TACH 2714.7

Pg 1 / 1

\*\*\* AIRFRAME LOG ENTRY \*\*\*

T/S AUTOPILOT ALTITUDE HOLD-REMOVED EXISTING CENTURY 2000 AUTOPILOT CONTROLLER FLIGHT COMPUTER AND SENT TO CENTURY FLIGHT FOR REPAIR. REINSTALLED AND TESTED NEWLY OVERHAULED CENTURY 2000 AUTOPILOT CONTROLLER FLIGHT COMPUTER P/N 1D937-20306139918 S/N 1788G IN ACCORDANCE WITH CENTURY 2000 SYSTEM MAINTENANCE MANUAL 68S1034 REFERENCING CENTURY FLIGHT SYSTEMS FAA FORM 8130-3 DOCUMENT 88845. NO DEFECTS NOTED AT THIS TIME. MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATION OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED TO RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WO#19215A DATED 17 MAY 2019

Signed DK7R795J FOR DLK AVIATION





2601 Cessna Lane NW Kennesaw, GA 30144 DK7R795J  
LOG ID# 21659 07-February-2020 WO# 20090-0  
N8614Y S/N 30-1754 PIPER PA-30

Pg 1/1

TACH 1 2785.8 TACH 2 2789.0

\*\*\* AIRFRAME LOG ENTRY \*\*\*

\*\*\*\* ITEM # 20090-1 IFR CERTIFICATION \*\*\*\*

DISCREPANCY: IFR CERTIFICATION

ACTION: CERTIFIED #1 ASPEN EFD1000 AIRDATA COMPUTER P/N 910-00001-001 S/N 9710426 AND AEROSONIC  
STANDBY ALTIMETER P/N 101627-01344 S/N C101119 TO AN ALTITUDE OF 20,000 FEET IN ACCORDANCE WITH  
14CFR PART 43 APPENDIX E TO COMPLY WITH 14CFR 91.411. CERTIFIED GARMIN GTX345 MODE S TRANSPONDER  
P/N 011-03302-00 S/N 3EG010133 IN ACCORDANCE WITH 14CFR PART 43 APPENDIX F TO COMPLY WITH 14CFR  
91.413. NO DEFECTS NOTED AT THIS TIME.

MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED  
IN ACCORDANCE WITH CURRENT REGULATION OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED TO  
RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WO#  
20090, DATED 02/07/2020.

Matt Bryant  
Signed DK7R795J FOR DLK AVIATION

wo: 1649

Avionics - page 1 of 1

LRS SR# C101119 DATE 3/22/22

CALIBRATION TEST

ALTITUDE FEET	TOLERANCE FEET	INDICATED FEET
-1000	20	-1000
0	20	0
500	20	490
1000	20	990
1500	25	1490
2000	30	1990
3000	30	2990
4000	35	3990
6000	40	5980
8000	60	7980
10000	80	9980
12000	90	11,970
14000	100	13,970
16000	110	15,960
18000	120	17,960
20000	130	19,970
22000	140	X
25000	155	
30000	180	
35000	205	
40000	230	
45000	255	
50000	280	

THOM DUNCAN AVIONICS  
REPAIR STATION 7D8R648D

Form 1001 ver 1.0



7 Airport Rd - Fayetteville, TN 37334 - 833-838-6226 - CRS#: 7D8R648D

r, PA-30, S/N: 30-1754

March 22, 2022

ce TN2017-02. Calibration normal.  
o 2.9.0.1 reference SB2019-01.

is avionics is approved for return to service. Details of work per-  
ionics LLC under work order: 1649.

48D



Airport Rd - Fayetteville, TN 37334 - 833-838-6226 - CRS#: 7D8R648D

; PA-30, S/N: 30-1754

March 22, 2022

pen MN EFD1000 PN 910-00001-001 SN 9710426 Standby MFG  
19 have been tested, inspected and found to comply with Appendix  
were tested to a maximum of 20,000 feet. I certify that the ATC  
(345 PN 011-03302-00 SN 3EG010133 has been tested inspected  
f Far 43. The altitude reporting correspondence checks required  
is aircraft meets criteria outlined in FAR, part 43 Appendix E, para.  
ted and inspected and found to comply with Appendix E para. a of

is avionics is approved for return to service. Details of work per-  
ionics LLC under work order: 1649.

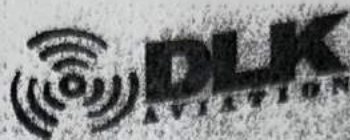
48D



DLK Aviation

2 Cessna Lane, Kennesaw, GA 30144

770-427-4954 (W) www.dlkaviation.com

Pilot ☐Co-Pilot ☐Standby ☐

## ALTIMETER CALIBRATION/INSPECTION SHEET

35,000 Feet

WORK ORDER		A/C REGISTRATION		HOBBS/TACH		DATE	
20090		N8614Y		T-2785.78 / T-289.0		2/6/20	
ALTIMETER MAKE		ALTIMETER P/N		ALTIMETER S/N		TECHNICIAN	
Aspen EFD KW		910-00001-001		9710426		Matt B.	
TOLERANCE	ALTITUDE	SCALE ERROR	FRICTION ERROR	AFTER EFFECT (30 FT) 5			
(20)	-1,000	—		CASE LEAK (100 FT) -57			
(20)	0	0					
(20)	500	0		HYSTERESIS (75FT)			
(20)	1,000	0	(70)	ALTITUDE	UP READING	DOWN READING	
(25)	1,500	-5		14,000	13,975	13,980	
(30)	2,000	-5	(70)	17,500	17,460	17,470	
(30)	3,000	-5	(70)				
(35)	4,000	-10		BAROMETRIC SCALE ERROR (25 FT)			
(35)	5,000	-10	(70)	TOLERANCE	PRESSURE	ACTUAL	
(40)	6,000	-10		(-1727)	28.10	-1725	
(60)	8,000	-5		(-1340)	28.50	-1340	
(80)	10,000	-15	(80)	(-863)	29.00	-860	
(90)	12,000	-15		(-392)	29.50	-390	
(100)	14,000	-25		0	29.92	0	
(100)	15,000	-25	(90)	(+531)	30.50	+525	
(110)	16,000	-30		(+893)	30.90	+890	
(120)	18,000	-45		(+974)	30.99	+970	
(120)	20,000	-60	(100)				
(130)	22,000	-60					
(140)	25,000	-80	(120)	FEATURES			
(155)	30,000	—	(140)	LIGHTS: <input type="checkbox"/> VIBRATOR: <input type="checkbox"/>			
(180)	35,000	—	(160)	ENCODER: <input type="checkbox"/>			
(205)							

Tested in compliance with FAR Part 43, Appendix E  
 Certified to 35,000 feet

Form DLK 15



