




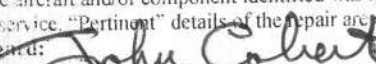


THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AVIONICS
MAINTENANCE
RECORDS**

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
 Thoroughbred Aviation Maintenance, Inc. Airframe			
Date: 13/Jun/2019 AC: N5446G	WO: 195137 Type: Cessna 340A	AC SN: 340A0685	Hobbs: 215.8
<ol style="list-style-type: none"> 1. Removed Garmin GTX-330 Transponder P/N 011-00455-00 S/N 84115752 and ACK A30 Altitude Encoder S/N 117422 and associated wire/hardware. 2. Installed Garmin GTX-345 ADS-B in/out Transponder P/N 011-03302-00 (Kit P/N 010-01216-01) S/N 3EG027602 and Garmin GAE12 Altitude Encoder P/N 011-03080-00 S/N 3T6011965 IAW Garmin International, Inc STC# SA01714WI dated May 1, 2013 amended March 8, 2016 and Garmin International, Inc. STC MDL 005-00734-04 Rev. 13 dated April 10, 2019. See FAA form 337 dated 13/June/2019 for details of installation. 3. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR part 91.227. 4. Removed: Bendix RT-131A RT P/N 4000763-3101 S/N 4485, Bendix IN-152A Radar Indicator P/N 4000946-5201 S/N 5451, Bendix DA-144A Antenna Drive P/N 4000790-4406 S/N 3289, King KR-87 ADF Receiver P/N 066-1072-00 s/N 12498, King KI-227 ADF Indicator P/N 066-3063-00 S/N 9714, King KA-25 Isolation AMP P/N 071-2008-00 S/N 1974, Bonzer Radar Altimeter P/N A1-76 S/N 9303, PS Engineering MB10 Marker Receiver S/N B01391 and Flite-Tronics PC-125 Static Inverter S/N 111. 5. Installed: Garmin GMX200 MFD P/N 011-01465-00 S/N 38401054 IAW Garmin International, Inc STC# SA01692SE dated August 11, 2006 and Garmin International, Inc. STC MDL 005-C0315-00 Rev. E dated March 06, 2015. See FAA form 337 dated 13/June/2019 for details of installation. 6. Weight and Balance revised dated 13/Jun/2019. 			
-----END-----			
MAINTENANCE RELEASE			
The aircraft identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. "Pertinent" details of the repair are on file at this agency under Work Order: 195137 Date: 13/Jun/2019			
Signed:  Jaret Voshell AP31562991A			
 Thoroughbred Aviation Maintenance, Inc. Airframe			
Date: 13/Jun/2019 AC: N5446G	WO: 195137 Type: Cessna 340A	AC SN: 340A0685	Hobbs: 215.8
<ol style="list-style-type: none"> 1. Removed NAT AMS44 Audio panel S/N 4388. Installed PS Engineering PM8000G Audio Panel P/N 050-890-0913 S/N NG01442-ST. Fabricated wiring harness utilizing existing interior jack mounts. Installation done with reference to PS Engineering IM P/N 200-890-0912 Rev. 10 dated December 2018. 2. Removed Autopilot Mode Selector P/N 42710-0000 S/N 1339 for repair. Reinstalled repaired Mode Selector Mode Selector P/N 42710-0000 S/N 1339. Reference Autopilot Central WO# SH19-33063. Function checked good. 3. Removed A.I.D. Engine Gauge P/N C662019-0101RX S/N A2965C and installed customer supplied Engine Gauge P/N C662019-0101 S/N C3499. 4. Installed new BP-1020 battery pack. ELT battery replacement due by August 2021. 5. Updated Garmin GNS530W main software to v5.4 IAW Garmin STC SB 1766 Rev. A dated December 7, 2017. 6. Weight and Balance revised dated 13/Jun/2019. 			
-----END-----			
MAINTENANCE RELEASE			
The aircraft identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. "Pertinent" details of the repair are on file at this agency under Work Order: 195137 Date: 13/Jun/2019			
Signed:  Jaret Voshell AP31562991A			
 Thoroughbred Aviation Maintenance, Inc. Airframe			
Date: 07/Aug/2020 AC: N5446G	WO: 205092 Type: Cessna 340A	Hobbs: 0365.6 AC SN: 340A0685	
<ol style="list-style-type: none"> 1) Removed JP Instruments EDM 760 P/N: 760000, S/N: 03480. Installed JP Instruments EDM 790 Twin Temperature Indicating Display P/N: 760000-6C S/N: 07883 using existing wiring harness. Installation done IAW J.P Instruments STC# SA00729SE dated August 31, 1999 and J.P Instruments Installation Manual Report No. 760 Rev. NC Dated: July 20, 1999. See FAA Form 337 dated 07/Aug/2020 for details of installation. 2) Removed EDO-AIRE Attitude Gyro P/N: IU367-006-6 S/N: 29240, and ARC Mode Controller P/N: 42710-0000 S/N: 13379 for repair per customers request. Reinstalled repaired EDO-AIRE Attitude Gyro P/N: IU367-006-6 S/N: 1-3895F, and ARC Mode Controller P/N: 42710-0000 S/N: 1339. See Autopilot Central FAA Form 8130-3 WO# 000385072. 3) Weight and Balance revised. 			
-----End-----			
MAINTENANCE RELEASE			
The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service. "Pertinent" details of the repair are on file at this agency under Work Order: 205092 Date: 07/AUG/2020			
Signed:  John Colbert APIA3493738			

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Thoroughbred Aviation Maintenance, Inc.
Airframe

Date: 23/Feb/2021
AC: N5446G

WO: 214003
Type: Cessna 340A

Hobbs: 0511.5
AC SN: 340A0685

- 1) Installed RCA2610-3 Electronic Digital Horizon P/N: 102-0403-11-09, S/N: 921A020 with reference to RC Allen Instruments RCA2610 Series Installation Manual Publication No: 1401-3 Rev. D, Dated June 5, 2019 and FAA Policy Statement Policy No: PS-ACE-23-08.
- 2) Weight and Balance revised.

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MAINTENANCE RELEASE

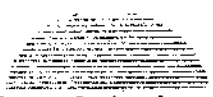
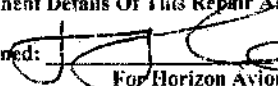
The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service. "Permanent" details of the repair are on file at this agency under Work Order: 214003 Date: 23/Feb/2021
Signed: John Calvert APIA3493738


Co. Pilot's Altimeter Altimeter/Static System Certification											
Merlin's Avionics Service Tel: (615) 305-1186 307 Roberta Drive Hendersonville, Tennessee 37075 FAA CRS#Z6MR586Y MAS Form #4				Work Order No. <u>1966</u> Acft.Reg.No. <u>N5446G</u> Acft Type <u>C-340A</u> Altimeter Position <u>#2</u> Altimeter P/N# _____ S/N# _____ Date <u>6-21-21</u> Signed <u>Merlin Singel</u>							
Altitude	Reading	Tol	Altitude	Reading	Tol	Friction	Tol	Press	Diff.(Tol. 25 Ft.)		
-1000	-1000	20	14,000	13980	100	1K	+15	70	28.10	-1727	-1727
0	0	20	16,000	15985	110	2K	+15	70	28.50	-1340	-1340
500	500	20	18,000	17980	120	3K	+15	70	29.00	-863	-863
1000	1000	20	20,000	19980	130	5K	+10	70	29.50	-392	-392
1500	1500	25	22,000	21970	140	10K	+10	80	29.92	0	0
2000	2000	30	25,000	24970	155	15K	+15	90	30.50	531	531
3000	3000	30	30,000	29975	180	20K	+15	100	30.90	893	893
4000	4000	35	35,000	34970	205	25K	+10	120	30.99	974	974
6000	6000	40	40,000	/	230	30K	+10	140	Case Leak (FPM Tol. 100 Ft.)		
8000	8000	60	45,000	/	255	35K	+10	160	0		
10,000	9990	80	50,000	/	280	40K	/	180	After Effect (Tol.30 Ft.)		
12,000	11990	90				50K	/	250	+10		
Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.)						+15					
2nd Test Point @40% of Max.Alt.(Tol.75 Ft.)						+10					
This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.											

Transponder Certification	
Merlin's Avionics Service Tel: (615) 305-1186 307 Roberta Drive Hendersonville, Tennessee 37075 FAA CRS #Z6MR586Y MAS Form #3	
Work Order No. <u>1966</u> Acft.Reg.No. <u>N5446G</u> Aircraft Type <u>C-340A</u> Txpond Position <u>#1</u> Txpond P/N# <u>GTX345</u> S/N# _____ Check Box if Mode S <input checked="" type="checkbox"/>	
I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station.	
Date <u>6-21-21</u> Signed <u>Merlin Singel</u>	

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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ACFT SN# 340A0685		Pilot's Altimeter Altimeter/Static System Certification							
Merlin's Avionics Service Tel: (615) 305-1186 307 Roberta Drive Hendersonville, Tennessee 37075 FAA CRS#Z6MR586Y MAS Form #4		Work Order No. <u>1966</u> Acft. Reg. No. <u>N5446G</u> Acft Type <u>C-340A</u> Altimeter Position <u>#1</u> Altimeter P/N# _____ S/N# _____ Date <u>6-21-21</u> Signed <u>Mark Grigely</u>							
Altitude	Reading	Tol	Altitude	Reading	Tol	Friction	Tol	Press	Diff. (Tol. 25 Ft.)
-1000	-1000	20	14,000	13990	100	1K	+20	70	28.10 -1727 -1727
0	0	20	16,000	15980	110	2K	+20	70	28.50 -1340 -1340
500	500	20	18,000	17985	120	3K	+15	70	29.00 -863 -863
1000	1000	20	20,000	19980	130	5K	+15	70	29.50 -392 -392
1500	1500	25	22,000	21980	140	10K	+20	80	29.92 0 0
2000	2000	30	25,000	24970	155	15K	+15	90	30.50 531 531
3000	3000	30	30,000	29970	180	20K	+15	100	30.90 893 893
4000	4000	35	35,000	34970	205	25K	+20	120	30.99 974 974
6000	6000	40	40,000	/	230	30K	+15	140	
8000	7990	60	45,000	/	255	35K	+15	160	
10,000	9990	80	50,000	/	280	40K	/	180	
12,000	11990	90				50K	/	250	
Hysteresis: 1st Test Point @ 50% of Max. Alt. (Tol. 75 Ft.)							+20		After Effect (Tol. 30 Ft.)
2nd Test Point @ 40% of Max. Alt. (Tol. 75 Ft.)							+15		+10
This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.									

Date: 4/25/23		Reg. No: N5446G
Tach: _____		Ser. No: 340A0685
HM: 967.3		
Horizon Avionics, Inc.		
2145 E. General Aviation Drive, Suite C. Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701		
Pilot reported heading flag dropped out in flight. Unable to reproduce, replaced King KC102A gyro 060-0015-00 s/n 34001 with Mid Cont. Inst. OH unit s/n 4005. Ramp checked per MM, OK. Replaced defective pitch servo 45850-4925 s/n 11770 with SV unit s/n 9560. Servo tested per AF550A System Manual Section 5-12 thru 5-22, OK.		
MAINTENANCE RELEASE		
The Airframe Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Maintenance Rules Of The Federal Aviation Regulations And Is Approved For Return To Service. Pertinent Details Of This Repair Are On File At This Repair Station Under WO 8539.		
Signed: 	Part. No: 3133257	Date: 4/25/23
For Horizon Avionics, Inc. FAA CRS F30R150X		

Thoroughbred Aviation Maintenance, Inc. Airframe			
Date: 23/FEB/2021	WO: 214003		
AC: N5446G	Type: CESSNA 340A	AC SN: 340A0685	Tach: Behob: 05115
<ol style="list-style-type: none"> Removed Garmin G1275 Electronic Flight Instrument that was previously installed IAW Garmin STC 45A026585E on August 7 2020. Reference FAA Form 337 dated August 7 2020 for installation details. Removed Garmin G1275 w/ADAHRS Class I/II Electronic Flight Instrument Kit PN 010-02326-10 which included G1275 Unit PN 011-04489-10 SN 5M2101199. This unit was installed for backup attitude indication purposes only. Removed Garmin G1275 Aircraft Flight Manual Supplement from aircraft. 			
END			
MAINTENANCE RELEASE			
The aircraft/article identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. "Pertinent" details of the repair/service/inspection are on file at this agency under: Work Order#21-4003 Date: 23/FEB/2021			
Signed:  AP1A3493738			