### AIRCRAFT DESCRIPTION

Registration No	687AV
	Popular Name: SENECA V
Serial No.: 3449180 LOOOGHL L5648HL Colors: WHITE / BRIGHT GREEN ME	Type Certificate No.: A7SO F 6305HL L 6122HL T & GOLD MET / GREEN MET
Engine Manufacturer: CONTINENTAL	Serial Numbers: Single
Original Engine Model: TSTO-3660-RBIB	Left 321321
LTSIO-360-RBIB	Right 322075
Propeller Manufacturer: McCAULEY	Hub or Serial Number:Single
Original Propeller Model: 3AF32C522	Left_001236
3AF32C.523	Right 001549

### Blade Numbers

Left	Right	
UBOZI	UB027	
UB040	UB028	
TL 057	UB019	2000 MODEL

Date	Aircraft Time This Date Total		Recorder Maintenance
Date			Reading
AUG 0 3 2000	Brought Forward ->	9.6	I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE
			DATED AUG 0 3 2000 I/A/W
			RICHARD L. MURDOCK
			THE ALTIMETER AND STATIC SYSTEM
			HAVE BEEN PERFORMED. THE ALTIMETERISI
			HAVE BEEN TESTED TO 35,000 FT.
	·		SIGNED DATE AUG 0 3 2000
			The ELT is installed per
			FAR 9I 207. Battery re- placement date 7/2002
			Allen
Total To Carry Forward		9.6	The New Piper Aircraft, Inc. RICHARD L. MURDOCK

## Registration No. NO87AV

and Remarks	Signature	Certificate No.
The ATC Transponder Tests and Inspections required by		
FAR 9t 413 were performed this date and found to comply with FAR 43. Appendix F.		
ATC Transponder:		
1. Make GIARMIN Model GTX327 S/N 83700720		
2. Make NIA Model NIA S/N NIA		
Details of this inspection are on file at this facility under		
S/N 3449 180 Pate 7/11/00 Q.A. Inspector		
THE NEW PIPER AIRCRAFT, INC. VERO BEACH, FLORIDA		
RICHARD L MURDOCK		
THE AUTOMATIC PRESSURE ALTITUDE  REPORTING EQUIPMENT TEST REQUIRED BY  REPORTING EQUIPMENT TEST REQUIRED THIS		
FAR PART STETT THE STATE OF ST		
DATE: 7/13/00 SIGNED L MURDOCK		

Reaistration	No. N 687	AV	
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DATE:

8/16/00



TTIS: 16.7

- 1 Replaced The Failed Pilot's Artificial Horizon With A New Unit. New Unit SN: 200E01772
- 2 Performed A Ground And Flight Check Satisfactorily.

THE NEW PIPER AIRCRAFT, INC.
VERO BEACH, FLORIDA
MANUFACTURER'S MAINTENANCE FACILITY #321-10

Model PA 34-2207 S/N3449/80N S7AV
The aircraft identified above is approved for return to service.
Pertinent details of Customer Acceptance items/Maintenance are on file at this facility under Work Order No. 924/05B
A copy of this work order is attached to this log book.

Authorized Representative Lond Munace

D-4-	Aircra	ft Time	Recorder	Maintenance	
Date	This Date	Total	Reading	Mainellance	
8/24/00	Brought Forward	16.5	Remov	ED CO-PILOT'S 4000 B-26 DG,	
move	P. 167'S.	ST-180 HS	+ to Co-	PILOT SIDE AND INSTAILED	
SANDE	EL SN 3308	NAVIGATIO	N DISPLA	y. All work DERformed	
JAWI	nanuf Ins	TAU INST	TUCTIONS	S AND APPLICABLE FARS.	
Alc G	FOUND FUN	AND Flig	hi checi	Les serviceable. Amerati	
Weigh	AT & BALA	Sce AND	EQUIPM	ent LIST UDDATED.	
•		Maintenance R component ide	elease: The	aircraft and/or was repaired and	
		inspected in a Regulations and	coordance w	th current FAA	
	-	at this agency und	der this work o	o repair as on file der in the control of the contr	
		SUN AVIATION	FAA	CRS ECWR470D	
Total To Carry Forward					

# Registration No. N687AV



VICTOR AVIATION SERVICES, INC. P.O. BOX 50608 PALO ALTO, CA 94303-0608 (650) 856-7616

F.A.A. CERTIFIED REPAIR STATION #BJ3R399L

W.O. # 12541 3449180 A/C Reg. # \_\_ N687AV A/C Ser. #\_ TSIO360RB1B T.C.M. Model Engine Make 322321/322075 Eng. T.T. N/A 114.5 114.5 114.5 Hobbs Time Tach Time

- Performed 100hr inspection using a checklist meeting the requirements of FAR43 Appendix D.
- Checked all controls, cables, pulleys and belicranks.

Lubed all hinge and pivot points.

- 4. Checked tires, wheels, brakes, serviced tires.
- Replaced light assembly for the ice protection.
- Replaced light bulb in mag switch for the right mag left engine.

Replaced potentiometer for panel lights. 7.

Adjusted vacuum pressure.

- I certify that this aircraft has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.
- 10. Nothing follows.

For repair station of Victor Aviation Services, Inc.

0-4-	Date Aircraft Time This Date Total		Recorder	Maintenance
Date			Reading	Maintenance
	Brought Forward			
		4		× 16.2221
Rep	land lamp i	1 The	Sandel SN3308 V Function Cha	SA 2214
Reze	road The lamp	o. Grove	d Function Cha	ck.OK.
DeTai	15 on File W/	6 71188		108 10-26-00
	5-115.9		CRS# WK3R948	
11097	, ,,,,,,		11 State	Ros
			Signed:	70-
	1			
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			·	
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				·
otal To Carry Forward	4			

Registration No.		
and Remarks	Signature	Certificate No.

**Victor** 

VICTOR AVIATION SERVICES, INC. P.O. BOX 50608 PALO ALTO, CA 94303-0608 (650) 856-7616

F.A.A. CERTIFIED REPAIR STATION #BJ3R399L

- A/C Ser. #\_ 3449180 A/C Reg. # N687AV W.O. # 12445 TSIO360RB1B T.C.M. Engine Make\_ Model. 322321/322075 Eng. T.T. 134.5 S.M.O.H 134.5 134.5 Tach Time Hobbs Time
- Replaced ice protection light assembly.
- Aligned main landing gear as per Piper service manual replaced both main gear tires with factory new tires.
- Replaced main gear actuator for right main gear, serviced hydraulic reservoir as per Piper service manual, cycled

landing gear system numerous cycles, fault free emergency extensions.

- Replaced tachometer and CHT/FF gauges for the left engine.
- Replaced potentiometer and dimmer control for panel lights.
- Replaced wiring to compass light.
- Adjusted instrument vacuum.
- Replaced bulb for right magneto rocker switch on left engine.
- Removed Avidyne Flight Computer for upgrade by Avidyne Corp., reinstalled after update.
- 10. Nothing follows.

For repair station of Victor Aviation Services, Inc.

Date	This Date	Total	Recorder Reading	Ma	intenance
	This Date	10101	Reading		
VICTOR AVIATION P.O. BOX 50608 PALO ALTO, CA 9 650) 856-7616 F.A.A. CERTIFIED REPAIR STATION	94303-0608 #BJ3R399L	Engine Make T. Serial # 322321  A/FT.T. 217.8  1. Complied Cooling In p/n766-67 2. Replaced	with Piper Service let Installation, by 8 as per instruction landing light bulb.	e Letter 1031, Fuel Pump r installing Piper service kit ons in Service Letter.	
assemb 1. Nothing	oly. g follows.				
			Inspector Ha	extentatel Date 03	105/01
Statement (FO) Afficiency (A) Statement (FO)	drakki praktika po praktika politika politika politika politika politika politika politika politika politika p	Posietration	For repair	station of Victor Aviation Services, Inc.	105/01 -
	de Anna en Alon Camo de Para de Camo d	Registration 1	For repair	station of Victor Aviation Services, Inc.	
and Ren	marks	Registration 1	For repair		Certificate No
MAKE: Piper MODEL: PA-34-220 VN: 3449180 VEG, NO: N887AV VORK ORDER: 780	OO	Keystol 303 h Saft Lake	For repair	Signature  DATE: 7 /2/ TTA: 3	Certificate No
MAKE: Piper MODEL: PA-34-220 MIEG. NO: N887AV VORK ORDER: 780 Airframe Entre CORQUED WHE LININGS WITH F AW WITH PIPE MOD TIRE ASSY SOLTS TO 150 I REINSTALLED I	OT  OO  OS  IEEL AND TIRE ASSY EEL HALVE BOLTS TO PAN RA-66-62. REINST R MAINTENANCE MAY Y REMOVED. REMOV INLBS AND SERVICE WHEEL AND TIRE AS	Keystol 303 h Saft Lake Repair Stafe  REMOVED. REMOVED 150 INJ. BS AND SERV ITALLED WHEEL AND T NUAL 32-10-00. OPER. ED AND REPLACED BF ID TO 55 PSI. REMOVE SY. CONDITIONED BR	No	Signature  DATE: 7 124  TTA: 3  TA:  SEE DISC WITH PAN RA-164-2169, DVED AND REPLACED 8 EACH BRAKE ED BRAKE. ALL MAINTENANCE DONE ECK SATISFACTORY MLG WHEEL A-164-2169. TORQUED WHEEL HALVE ACH BRAKE LININGS WITH PIPER	Certificate No.
MAKE: Piper MODEL: PA-34-220 WEG. NO: N887AV VORK ORDER: 786 Airframe Entria RIGHT MLG WH FORQUED WHE FORQUED WHE FORQUED WHE FORGUED WHE FORGUED WHE FORGUED WHE FORGUED WHE AW WITH PIPE AND TIRE ASSY BOLTS TO 150 I REINSTALLED I MAINTENANCE The sirframe; end the Fed Pertinent deials of the	OT  OO  OS  IEEL AND TIRE ASSY EEL HALVE BOLTS TO PAN RA-66-62. REINS' IR MAINTENANCE MAY Y REMOVED. REMOV INVIES AND SERVICE WHEEL AND TIRE AS MANUAL 32-10-00. O  The end/or component identitions to	Keystol 303 h Saft Lake Repair Stafe REMOVED. REMOVED 150 INJ. BS AND SERV TALLED WHEEL AND T NUAL 32-10-00. OPER. ED AND REPLACED BR D TO 55 PSI. REMOVE SY. CONDITIONED BR PERATIONAL AND LEA	Tor repair  No	Signature  DATE: 7 124  TTA: 3  TA:  SEE DISC WITH PAN RA-164-2169, DVED AND REPLACED 8 EACH BRAKE ED BRAKE. ALL MAINTENANCE DONE ECK SATISFACTORY MLG WHEEL A-164-2169. TORQUED WHEEL HALVE ACH BRAKE LININGS WITH PIPER	Certificate No. 17.0 (18.6 CH:

Northern California		Reg. # <u>N68</u>		er. # <u>3449180</u> Model_	W.O.# <u>13333/13</u> TSIO-360-RBIB
Piper				417.8	S.M.O.H. SMOH
P.O. BOX 50608	A/F	T.T. 417.8	Hobbs Ti	me417.8	Tach Time TAC. TIME
PALO ALTO, CA 94303-0608 (650) 856-7616	_				g a checklist meeting
cycle. 5. Installed a new (6. Connected gear satisfactory. 7. Replaced bushir 8. Replaced left will	3. 4. Performed G-247 aircra warning ho ngs and link ng flap. Rep	Checked a Lubed all I Replaced several faul aft battery. E orn connecto assembly f painted flap	all controls, caninge and pivileft and right later than the search of the search of the search of the rudder or the rudder	rot points. main gear ac ycles including utional check v al check of ge	and bellcranks. tuators. Serviced g one emergency
<ol> <li>9. Checked tires, w</li> <li>10. Replaced left ha</li> </ol>					
continued			page.		
 otal To arry Forward					

Registration	No
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Serial # \_\_\_\_\_\_S.M.O.H. -\_\_ Hobbs Time \_\_\_\_\_

\_\_\_Model\_\_\_

\_\_Tach Time \_

\ /	Northern
	Northern California
TM	Piper

P.O. BOX 50608 PALO ALTO, CA 94303-0608 (650) 856-7616

F.A.A. CERTIFIED REPAIR STATION #BJ3R399L

11. I certify that the ELT has been inspected in accordance with requirements of FAR 91.207(d) and was found to be in satisfactory condition.

Engine Make \_\_\_\_\_

A/F T.T.\_\_\_\_\_

12. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

13. Nothing follows.

Inspector Dumb Mark Date 9/14/01

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P.O. BOX 50608 PALO ALTO, CA 94303-0608 (650) 856-7616

F.A.A. CERTIFIED REPAIR STATION #BJ3R399L

A/C Reg. # <u>N687AV</u> A/C Ser. #	3449180	W.O.# <u>13459</u>
Engine Make T.C.M.	Model	LTSIO-360RB1B
Serial #322075./322321 Eng. T.T		
A/FT.T. 453.6 Hobbs Time		
7		

- Replaced left and right TIT indicators. Left TIT S/N #0168, right TIT S/N# 0152. Operational check was satisfactory.
- 2. Nothing follows.

Inspector Duant Moule Date 11/5/01

Registration No.\_\_\_\_



P.O. BOX 50608 PALO ALTO, CA 94303-0608 (650) 856-7616

F.A.A. CERTIFIED REPAIR STATION #BJ3R399L

2. Nothing follows.

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 13578

Engine Make T.C.M. Model

Serial # 322075/322321 Eng. T.T. 492.0 S.M.O.H. N/A

A/F T.T. 492.0 Hobbs Time 492.0 Tach Time N/A

 Complied Service Letter No.1036 per service letter instructions. Throttle force did not exceed 6 pounds. Percision Service Information Letter, SIL RS-59 Rev. 2 is not applicable due to 2576540-7 Fuel Servos being installed.

Inspector Drawk Male Date 12/13/01

Date	Allere	aft Time	Recorder	·		Maintenand
	This Date	Total	Reading			
	rthern	A/C Reg. #N6	587AVA/C S	er. #3449180		
	lifornia	Engine Make		Model	LTSIO-360	
<b>™</b> Pip	er	Serial #3223			_S.M.O.H <u>N/1</u>	
P.O. BOX 50608		A/F T.T. 577.	0 Hobbs Ti	me577.0	Tach Time _N/I	<u> </u>
PALO ALTO, CA (650) 856-7616	N 94303-0608		d pilot and cop			
F.A.A. CERTIFIE			d left and right	wheel brake li	nings.	
REPAIR STATIO	N #BJ3R399L	3. Nothing	ioliows.			
				. 1	1.	1 -
				Snauk	Mode	2/15/
			Inspector $\geq$	9)0000	Date	
						-
WAKE: PIPER MODEL: PA-34-220T		orthern Califor	RNIA PIPER		05/01/2002 TTA: 617.5 PBPS: 617.5	40.
MODEL: PA-34-220T S/N: 3449180 REG. NO: N687AV	NO		RNIA PIPER 08 94303		05/01/2002 TTA: 617.5 BBS: 617.5	10.
MODEL: PA-34-220T M: 3449180 REG. NO: N687AV WORK ORDER: 1374	NO	P.O. BOX 508 PALO ALTO, CA	RNIA PIPER 08 94303		TTA: 617.5	10.
MODEL: PA-34-220T MN: 3449180 WORK ORDER: 1374 WORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER	NO ies H PIPER VSP-137 BY RE NOT RECEIVED FF	PRTHERN CALIFO P.O. BOX 5081 PALO ALTO, CA S Repair Station No. B.	RNIA PIPER 08 94303 J3R399L	HO CYLINDERS ON TH FIED IN CLEVELAN	TTA: 617.5 BBS: 617.5	40.
IODEL: PA-34-220T WIN: 3449180 IEG. NO: N887AV WORK ORDER: 1374 AIFFRAME Entri COMPLIED WIT AIRCRAFT WER BERVICE BULLI	NO ies H PIPER VSP-137 BY KE NOT RECEIVED FF ETIN 7073 102 SIGNED:	PRTHERN CALIFO P.O. BOX 506 PALO ALTO, CA S Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING	RNIA PIPER 08 94303 J3R399L HE LANDING GEAR THE DATES SPECI	HC	TTA: 617.5 BBS: 617.5	10.
IODEL: PA-34-220T WIN: 3449180 IEG. NO: N887AV WORK ORDER: 1374 AIFFRAME Entri COMPLIED WIT AIRCRAFT WER BERVICE BULLI	NO ies H PIPER VSP-137 BY KE NOT RECEIVED FF ETIN 7073 102 SIGNED:	PRTHERN CALIFO P.O. BOX 5081 PALO ALTO, CA S Repair Station No. B.	RNIA PIPER 08 94303 J3R399L HE LANDING GEAR THE DATES SPECI	HO CYLINDERS ON TH FIED IN CLEVELAN	TTA: 617.5 BBS: 617.5	10.
MODEL: PA-34-220T SM: 3449180 MORK ORDER: 1374 MORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER	NO ies H PIPER VSP-137 BY KE NOT RECEIVED FF ETIN 7073 102 SIGNED:	PRTHERN CALIFO P.O. BOX 506 PALO ALTO, CA S Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING	RNIA PIPER 08 94303 J3R399L HE LANDING GEAR THE DATES SPECI	HO CYLINDERS ON TH FIED IN CLEVELAN	TTA: 617.5 BBS: 617.5	10.
MODEL: PA-34-220T \$REG. NO: N687AV WORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER SERVICE BULLI DATE: 05/01/20	NO  ies  H PIPER VSP-137 BY E NOT RECEIVED FF ETIN 7073  02 SIGNED:  Certified Repair	PRTHERN CALIFO P.O. BOX 506 PALO ALTO, CA 9 Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING	RNIA PIPER 08 94303 J3R399L HE LANDING GEAR THE DATES SPECI	HO CYLINDERS ON TH FIED IN CLEVELAN	TTA: 617.5 BBS: 617.5	10.
DATE: 05/01/20  the Altimeter, Statid by FAR 91.411, and 13 have been performed in	NO  ies  H PIPER VSP-137 BY KE NOT RECEIVED FF ETIN 7073  OZ SIGNED: Certified Repair  c System, & Altitude Rep d the Transponder tests re-	PRTHERN CALIFO P.O. BOX 506 PALO ALTO, CA 9 Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING Station No. BJ3R399	RNIA PIPER 08 94303 J3R399L HE LANDING GEAR THE DATES SPECI	CYLINDERS ON THE FIED IN CLEVELAN  WORK ORDE	TTA: 617.5 BBS: 617.5	Rea -1000
MODEL: PA-34-220T SM: 3449180 REG. NO: N687AV WORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER SERVICE BULLI DATE: 05/01/20 the Altimeter, Stati d by FAR 91.411, and 13 have been performed to 2500.000	NO  ies  H PIPER VSP-137 BY E NOT RECEIVED FF ETIN 7073  102 SIGNED: Certified Repair  c System, & Altitude Repair  d the Transponder tests reped. N 6 7 4 V  Ft.  Date 23 JUL	PRTHERN CALIFO P.O. BOX 5081 PALO ALTO,CA S Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING Station No. BJ3R399 porting quired	RNIA PIPER  08  94303  J3R399L  HE LANDING GEAR  THE DATES SPECI	CYLINDERS ON THE FIED IN CLEVELAN  WORK ORDE	TTA: 617.5 PBBS: 617.5	Rea -1000
MODEL: PA-34-220T \$REG. NO: N687AV WORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER SERVICE BULLI DATE: 05/01/20 the Altimeter, Stati d by FAR 91.411, an 13 have been perform ed to 25 0000 App. E on 23 3	NO  ies  H PIPER VSP-137 BY KE NOT RECEIVED FF ETIN 7073  OZ SIGNED: Certified Repair  c System, & Altitude Repair  c System, & Altitude Repair  c System, & Altitude Repair  c Ft.	PRTHERN CALIFO P.O. BOX 5081 PALO ALTO,CA S Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING Station No. BJ3R399 porting quired	RNIA PIPER  08 94303 J3R399L  HE LANDING GEAR THE DATES SPECI	CYLINDERS ON THE FIED IN CLEVELAN  WORK ORDE	TTA: 617.5 BBS: 617.5  HE D	Reads -1000
MODEL: PA-34-220T SN: 3449180 REG. NO: N687AV WORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER SERVICE BULLI DATE: 05/01/20 the Altimeter, Stati by FAR 91.411, an 3 have been perform ed to 25 00000	NO  ies  H PIPER VSP-137 BY E NOT RECEIVED FF ETIN 7073  102 SIGNED: Certified Repair  c System, & Altitude Repair  d the Transponder tests reped. N 6 7 4 V  Ft.  Date 23 JUL	PRTHERN CALIFO P.O. BOX 5081 PALO ALTO,CA S Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING Station No. BJ3R399 porting quired	RNIA PIPER  08  94303  J3R399L  HE LANDING GEAR  THE DATES SPECI	CYLINDERS ON THE FIED IN CLEVELAN  WORK ORDE  6000 4000 3000	TTA: 617.5 PBBS: 617.5	Rea -1000
MODEL: PA-34-220T \$REG. NO: N687AV WORK ORDER: 1374 Airframe Entri COMPLIED WIT AIRCRAFT WER SERVICE BULLI DATE: 05/01/20 the Altimeter, Stati d by FAR 91.411, an 13 have been perform ed to 25 0000 App. E on 23 3	NO  ies  H PIPER VSP-137 BY E NOT RECEIVED FF ETIN 7073  102 SIGNED: Certified Repair  c System, & Altitude Repair  d the Transponder tests reped. N 6 7 4 V  Ft.  Date 23 JUL	PRTHERN CALIFO P.O. BOX 5081 PALO ALTO,CA S Repair Station No. B. VERIFYING THAT TI ROM PIPER DURING Station No. BJ3R399 porting quired	RNIA PIPER  08 94303 J3R399L  HE LANDING GEAR THE DATES SPECI	CYLINDERS ON THE FIED IN CLEVELAN  WORK ORDE	TTA: 617.5 BBS: 617.5  HE D	Reads -1000

MAKE: PIPER MODEL: PA-34-220T S/N: 3449180 REG. NO: N687AV WORK ORDER: 13922



#### **NORTHERN CALIFORNIA PIPER**

TTA: 689 80

e

P.O. BOX 50608 PALO ALTO, CA 94303 Repair Station No. BJ3R399L

#### **Airframe Entries**

PERFORMED ANNUAL INSPECTION USING A CHECK LIST THAT MEETS THE REQUIREMENTS OF FAR 43 APPENDIX D.... I CERTIFY THAT THE ELT HAS BEEN INSPECTED IN ACCORDANCE WITH REQUIREMENTS OF FAR 91.207(D) AND WAS FOUND TO BE IN SATISFACTORY CONDITION. REPLACED LEFT HAND LANDING LIGHT LAMP. OPERATIONAL CHECK WAS GOOD .... COMPLIED WITH SERVICE BULLETIN NO.1113 BY INSPECTING THE NOSE GEAR DOWN LOCK LINK ASSEMBLY. EYE BOLT IS MILLED CORRECTLY PER SERVICE BULLETIN INSTRUCTIONS AND DOES NOT REQUIRE REPLACEMENT.... REPLACED ELT BATTERY WITH A NEW BATTERY. NEW EXPIRATION DATE IS MAY 2004. ... COMPLIED WITH SERVICE BULLETIN 1100A BY INSPECTING THE STABILATOR TRIM LINK

ASSEMBLY. NO FAULTS FOUND.... COMPLIED WITH AD 93-24-14 BY REPLACING THE UPPER NOSE GEAR DRAG LINK BOLT. CYCLED THE GEAR NUMEROUS FAULT FREE TIMES INCLUDING AN EMERGENCY EXTENSION.... REMOVED COPILOTS ATTITUDE INDICATOR AND REPLACED WITH A NEW ATTITUDE INDICATOR P/N 548-365.... REPLACED NOSE BAGGAGE DOOR SEAL.... I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION ....

DATE: 7/31/02 SIGNED: -WORK ORDER: 13922 Certified Repair Station No. BJ3R399L

Registration No.\_\_\_\_

Total To Carry Forward			

SENICA, N687AV, REPAIR GROER	5530	Signature	Certificate No.
REPAIRED #2 COM./ REFER TO REPAIR ORDER.			
Signed:	111		
Vate: 097	ecialists, Inc.		
FAA-Approved Repair Sta		DATE: 1/	2177103
MADEL: PIPEI MODEL: PA-34-220T S/N: 3449180 REG. NO: 687AV	Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206		TTA: H: 771.7

Airframe Entries

DATE: 1/31/2003

WORK ORDER: 1031-01-2003

(1) Replaced main gear tires with new Goodyear Flight Custom III, s/n 21801232 on right, 21821177 gn left....

I certify that this AIRCRAFT is airworthy with respect to the work performed.

SIGNED:

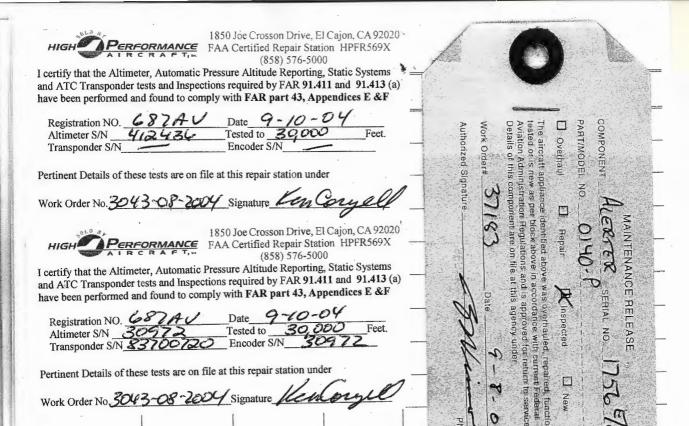
Tom Rouch, A&P 549447166

WORK ORDER: 1031-01-2003

Printed by Esis (http://www.datcomedia.com)

	Registration No	
REPLACED TORN BATTE OF AFT FACING RIGHT SI SCREENS, REPLACED O-		STIME CLEANED AND INSPECTED FUEL FA NO I FAKS REPLACED BOTH MAIN GEAR
THE AIRCRAFT AND/OR COM	AND II	NSPECTED IN ACCORDANCE WITH CURRENT R RETURN TO SERVICE, PERTINENT DETAILS OF THE
DATE: 8/6/2003	SIGNED: (IN SECTION )	WORK ORDER: 2305-07-2003
DIVI 2. SIGNATURE	Dan Salzman Certified Repair Station No. HPFR569X	Printed by EBis (http://www.datcomedia.com)
MAKE: Pipër MODEL: PA-34-220T 5/N: 3449180 REG. NO: 687AV WORK ORDER: 1330-08-2003	Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206	E DATE: 11724/2003 TTA: 844.20 TACH: 844.20
Airframe Entries		-
Completed hard landing and severe Wheel Attachment Inspection, No Doystem. Tested OK	Il a May	(22) Complied with Piper SB 1139, Control ar Array Performed operational test of Radar
ATE: 11/24/2003 SIGNE	Defignes affan	WORK ORDER: 1330-08-2003
Inom	as A Rouch, A&P 549447166	Printed by EBis (http://www.datcomedia.com)
	AIRCRAFT LOG	G
MAKE: PIPER MODEL: PA34-220T	HIGH PERFORMANCE	AIRCRAFT, INC.  DATE: 8/6/2003 TTA: 853.2
MODEL: PR34-2201 S/N: 3449180 REG. NO: 687AV WORK ORDER: 2305-07-2003	1850 JOE CROSSON DRIVE EL CAJON, CA 92020 Repair Station No. HPFR569X	HOBBS: 853.2
Airframe Entries		
PA34-220T MAINTENANCE N THRU REV 2003-15, SEE AT PUMP LEAKAGE INSPECTIO DETECTED DURING HEATE	00 HOUR INSPECTION IN ACCORDANCE WITH MANUAL 5-20-00 CHECKLIST, REV. DATE MAY 3 FACHED LIST COMPLIED WITH AD 2003-11-14 N) AND PIPER SB 1127A, REPLACED PUMP AS: R OPERATION COMPLIED WITH AD 2001-17-1:	1, 2002, AS A GUIDE. ALL AD'S CHECKED 4 EFFECTIVE JUNE 20,2003 (HEATER FUEL SEMBLY WITH P/N 84251-003, NO LEAKS 3, DATED 09/11/2001 (TO ELIMINATE OR

FOUND VALVE LEAKING, REPLACED HEATER PRESSURE REGULATOR SHUTOFF VALVE WITH P/N 461-731REP, NO LEAKAGE DETECTED DURING HEATER OPERATION ... INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d) ON THIS DATE, BATTERY DUE 5/2004 ... COMPLIED WITH PIPER SB 1123 (NOSE GEAR INSPECTION) NO ABNORMALITIES NOTED, BOLT WAS REPLACED PREVIOUSLY, NEXT REPLACEMENT DUE @ 1189.8 HOURS... COMPLIED WITH PIPER SB 1113 (NOSE GEAR DOWN LOCK PIN INSPECTION) INSPECTED, FOUND NEW STYLE PIN INSTALLED... COMPLIED WITH PIPER SB 1081A (HORIZON AEROSPACE ANALOG INSTRUMENT POINTER CALIBRATION) ALL ANALOG INSTRUMENTS ARE INDICATING CORRECTLY AT THIS TIME... COMPLIED WITH PIPER SB 1041 (AIRBORNE SL 56) INSPECTED INSTRUMENT AIR FILTER ASSEMBLY AND REPLACED FILTER... COMPLIED WITH PIPER SL 1069 (FLIGHT CONTROL CABLE TERMINAL CORROSION INSPECTION) NO CORROSION DETECTED AT THIS TIME... COMPLIED WITH PIPER SL 1048A (DDMP MAY PROVIDE ERRONEOUS INFORMATION), REPLACED DDMP WITH P/N 680-475REP, S/N 0323, OPERATIONAL CHECK OK AT THIS TIME... COMPLIED WITH PIPER VSP-145 (MCCAULEY SL 2002-24) FOUND NEW STEEL GASKETS, P/N B-7796 PREVIOUSLY INSTALLED... COMPLIED WITH PIPER VSP-142 (GARMIN SB 0204) SOFTWARE UPGRADE, UPDATED GARMINS TO CURRENT UPDATE... COMPLIED WITH VSP-155, CLEVELAND WHEEL AND BRAKES, PARKER HANNIFIN SB 7076, ACTUATORS ARE AFFECTED, NOT LEAKING AT THIS TIME, REINSPECT EACH 100 HRS OR AT NEXT ANNUAL... COMPLIED WITH PIPER SB 1048 BY LUBRICATING CABLES WITH AEROSHELL 33 AS INSTRUCTED.... REPLACED RIGHT HAND WHITE NAV BULB WITH NEW P/N A510-28 BULB. REPLACED BROKEN BULB SOCKET WITH NEW P/N 762-428... REPLACED STEREO 1A CIRCUIT BREAKER WITH P/N 7277-2-1.... REPLACED LANDING GEAR POSITION INDICATOR MODULE WITH P/N 85315-003, OPERATION IS NORMAL AT THIS TIME... REPLACED RH AND LH PROP DE-ICE BRUSH BLOCKS WITH 2 EA. NEW P/N 758-462... REPLACED ALTERNATE AIR BUSHINGS WITH 4 EA. P/N 691-800.... REPLACED INSTRUMENT AIR FILTER WITH NEW P/N AAD9-18-1 AND VACUUM REGULATOR FILTERS WITH NEW 2 EA. P/N B3-5-1... REPLACED BOTH BRAKE DISCS WITH 2 EA. P/N 164-21600 AND 8 EA. BRAKE LININGS P/N 068-06200. REPLACED RIGHT BRAKE SHIM WITH ONE EA. P/N 068-01100...



Par	rietr/	ation	No.

MAKE: PIPER MODEL: PA34-220T S/N: 3449180 REG. NO: 687AV WORK ORDER: 3043-08-2004

Total To Carry Forward

### HIGH PERFORMANCE AIRCRAFT, INC.

Repair Station No. HPFR569X 1850 JOE CROSSON DRIVE EL CAJON, CA 92020 Phone: 858-576-5000 DATE: 9/10/2004 A/C TSN: 947.2 HOBBS: 947.2

#### Airframe Entries

COMPLETED AN ANNUAL INSPECTION IN ACCORDANCE WITH FAR PART 43, APPENDIX D, USING CURRENT PIPER PA34-220T MAINTENANCE MANUAL 5-20-00 CHECKLIST AS A GUIDE. ALL AD'S CHECKED THRU REV 2004-18, SEE ATTACHED LIST.... COMPLIED WITH AD 2004-14-12, DATED 8/10/2004 (CONTROL WHEEL ATTACHING HARDWARE INSPECTION AND RETAINER CLIP INSTALLATION) PER PIPER SB 1139A, REPLACED SCREWS ON PILOT & COPILOT CONTROL WHEELS WITH 2 EA. P/N 410-047 AND LOCTITE PER SB INSTRUCTIONS, NUT REPLACEMENT NOT REQUIRED. PART II COMPLIED WITH BY INSTALLING 2 EA. CLIPS P/N 104687-002 AND 4 EA. SCREWS P/N 416-390.... REPLACED ELT BATTERY WITH P/N 452-0130, INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d) ON THIS DATE. ELT BATTERY EXPIRES ON OCT. 2006... COMPLIED WITH PIPER SB 1048 (STAINLESS STEEL CABLES)... REMOVED ALTITUDE PRESELECTOR/ALERTER P/N 0140-P, S/N 1756E/C FOR REPAIR. REINSTALLED AFTER REPAIR BY S-TEC (W/O 37183), FULL OPERATIONAL TEST PERFORMED IN AIRCRAFT, UNIT FUNCTIONS NORMALLY AT THIS TIME... REPLACED LEFT FLAP INBOARD HINGE BUSHINGS WITH ONE EACH P/N 63900-19 AND ONE EACH P/N 63900-020... REPLACED BRAKE LININGS WITH NEW 068-06200 PADS.... REPLACED RIGHT MAIN GEAR DOOR HINGE WITH P/N 63744-011 PIN, P/N 67093-005 HINGE HALF, AND P/N 67095-001 HINGE HALF... REPLACED LEFT MAIN GEAR OPERATIONS, LUBRICATED AND SERVICED AIRCRAFT.

The aircraft and/or component(s) indentified 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 Work Order No. 3043-08-2004 Dated 9/10/2004

DATE: 9/10/2004

Certified Repair Station No. HPFR569X

Work Order: 3043-08-2004

Printed by EBis 3 (datcomedia.com)

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and Remarks			Signature	Certificate No.
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	T is airworthy with respect to the work performed.			2 for the latest
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KE: Piper DEL: PA-34-220T I: 3449180 G. NO: 687AV DRK ORDER:	Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082		A/I	E: 6/18/2004
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PA-34-220T 449180 10: 687AV ORDER: 0-2006  Imme Entries  Impleted Avisited Irisi order - Installed STC SA02288CH	6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082  section IAW Piper Servir adar afterbench test at (9) CW AD 05-13-[6 b 30 vertical fin contour/rivingth fuel bowl (13) I etorqued clamp bolts (22) we washers and seats of the review gaskets to both fin main wheels (29) Servic, inspected and servicer adjustment, adjustment adjustment are at ACTT:1822.4 (5) pect for cracks next 50 d new pressure plate ar	vice Manual (6) CV at LAC Aviornics Inc  y inspecting nose gevet check by visual in Installed two new var  (15) Installed two new var  (15) Installed new is date OCT 2008	(8) Installed Airwoll ear and installing new respection OK (11) cuarn regulator filters lamp to right nev ligh 8) Re-positioned left drainer bolts (23) C actuator (24) Installed riced nose strut IAW reservoir (30) Cleans s (33) Installed ne SB 1123B (35) Rep stop (46) Replace able (55) Complied B 1161 inspected ribs 2.4 (59) Installed ne (61) Completed 11	Minisep air/oil separation upper drag link bok per Cleaned AC evaporator	A/C TSN: 1322.4 TACH: 1322.4  [2][3][4] (7) s to both engines injer SB filter (12) delle rudder pedal inp to left taxi revent chafing placed actuator s to nose gear (27) Installed in lower gear ir door (34) shing and bolt alther tube on talling two new ions 49.25 left to left and right	The same of the sa
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PA-34-220T 449180 IO: 687AV ORDER: 0-2006 ITTHE Entries Impleted Anstitual Insived and re-installed STC SA02268CH (10) CW SB 113 ed new stato-seal to bube bushing and re. (17) Installed new rudder (17) Installed new rudder (18) Installed new rudder (18) Installed new rudder (19) Installed new rudder	6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082  Section IAW Piper Serviradar afterbench test a (9) CW AD 05-13-16 b 30 vertical fin contour/in right fuel bowl (13) letorqued clamp bolts (22) the washers and seats of new gaskets to both firmain wheels (29) Serviradary adjusted taxi light ravel, adjusted taxi light end at ACTT:1822.4 (5) pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) Pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) Pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) Pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) Pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) Pect for cracks next 50 d new pressure plate at CTT-1872.4 (5) Pect for applicability of the control of the contr	vice Manual (6) CVI to LAC Aviornics Inc by inspecting nose ge- vet check by visual in- installed two new vai- (15) Installed new let date OCT 2008 (11) Saftied both fuel st on left landling gear a- uel capis (26) Serv viced gear motor re- ed all wheel bearing- ent is in limits IAW S t switch and up limit gene prop control ca- sign complied the SE Ohrs at ACTT: 1822 nd shirm to left brake.  Ity. I certify that this Alf-  Lister A.S.	(8) Installed Airwoll ear and installing new respection OK (11) cuarn regulator filters lamp to right nev ligh 8) Re-positioned left drainer bolts (23) C actuator (24) Installed riced nose strut IAW reservoir (30) Cleans s (33) Installed ne SB 1123B (35) Rep stop (46) Replace able (55) Complied B 1161 inspected ribs 2.4 (59) Installed ne (61) Completed 11	Minisep air/oil separation upper drag link bok per Cleaned AC evaporator	A/C TSN: 1322.4 TACH: 1322.4  [2][3][4] (7) s to both engines injer SB filter (12) delle rudder pedal inp to left taxi revent chafing placed actuator s to nose gear (27) Installed in lower gear ir door (34) shing and bolt alther tube on talling two new ions 49.25 left to left and right	The state of the s
PA-34-220T 49180 687AV ORDER: 0-2006 PARTHES IMPLIES IMPLI	6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082  Section IAW Piper Serv radar afterbench test a (9) CW AD 05-13-16 b 30 vertical fin contour/in right fuel bowl (13) letorqued clamp bolts (22) serv washers and seats of new gaskets to both firmain wheels (29) Serv washers and seats of new gaskets to both firmain wheels (29) Serv adjusted taxi lighter adjustment, adjustment ravel, adjusted taxi lighter adjustment, adjustment ravel, adjusted taxi lighter and secured right er use at ACTT:1822.4 (5) pect for cracks next 50 d new pressure plate ar SIGNED:  Thomas W. Richard Supplies, INC.  ACRAFT SUPPLIES, INC.	vice Manual (6) CVI to LAC Aviornics Inc by inspecting nose ge- vet check by visual in- installed two new vai- (15) Installed new let date OCT 2008 (11) Saftied both fuel st on left landling gear a- uel capis (26) Serv viced gear motor re- ed all wheel bearing- ent is in limits IAW S t switch and up limit gene prop control ca- sign complied the SE Ohrs at ACTT: 1822 nd shirm to left brake.  Ity. I certify that this Alf-  Lister A.S.	(8) Installed Airwoll ear and installing new respection OK (11) cuarn regulator filters lamp to right nev ligh 8) Re-positioned left drainer bolts (23) C actuator (24) Installed riced nose strut IAW reservoir (30) Cleans s (33) Installed ne SB 1123B (35) Rep stop (46) Replace able (55) Complied B 1161 inspected ribs 2.4 (59) Installed ne (61) Completed 11	Minisep air/oil separation upper drag link bok per Cleaned AC evaporator	A/C TSN: 1322.4 TACH: 1322.4  [2][3][4] (7) s to both engines injer SB filter (12) delle rudder pedal inp to left taxi revent chafing placed actuator s to nose gear (27) Installed in lower gear ir door (34) shing and bolt alther tube on talling two new ions 49.25 left to left and right	The state of the s
PA-34-220T 49180 (C): 687AV ORDER: 0-2006  Imme Entries Impleted Avastical Insigned and re-installed STC SA02288CH	6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082  Section IAW Piper Serv radar afterbench test a (9) CW AD 05-13-16 b 30 vertical fin contour/in right fuel bowl (13) letorqued clamp bolts (22) serv washers and seats of new gaskets to both firmain wheels (29) Serv washers and seats of new gaskets to both firmain wheels (29) Serv adjusted taxi lighter adjustment, adjustment ravel, adjusted taxi lighter and secured right en ue at ACTT-1822.4 (5) pect for cracks next 50 d new pressure plate at a control of the con	vice Manual (6) CVI to LAC Aviornics Inc by inspecting nose ge- vet check by visual in- installed two new vai- (15) Installed new let date OCT 2008 (11) Saftied both fuel st on left landling gear a- uel capis (26) Serv viced gear motor re- ed all wheel bearing- ent is in limits IAW S t switch and up limit gene prop control ca- sign complied the SE Ohrs at ACTT: 1822 nd shirm to left brake.  Ity. I certify that this Alf-  Lister A.S.	(8) Installed Airwoll ear and installing new respection OK (11) cuarn regulator filters lamp to right nev ligh 8) Re-positioned left drainer bolts (23) C actuator (24) Installed riced nose strut IAW reservoir (30) Cleans s (33) Installed ne SB 1123B (35) Rep stop (46) Replace able (55) Complied B 1161 inspected ribs 2.4 (59) Installed ne (61) Completed 11	Minisep air/oil separation upper drag link bok per Cleaned AC evaporator	A/C TSN: 1322.4 TACH: 1322.4  [2][3][4] (7) s to both engines injer SB filter (12) delle rudder pedal inp to left taxi revent chafing placed actuator s to nose gear (27) Installed in lower gear ir door (34) shing and bolt alther tube on talling two new ions 49.25 left to left and right	The state of the s
PA-34-220T 449-80 IC: 687AV ORDER: 0-2006 ITTHES IMPLEMENTATION OF SET 11/9/2006  ITTHES ITTHES ITTHES IMPLEMENTATION ITTHES ITT	6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082  Section IAW Piper Serv radar afterbench test a (9) CW AD 05-13-16 b 30 vertical fin contour/in right fuel bowl (13) letorqued clamp bolts (22) serv washers and seats of new gaskets to both firmain wheels (29) Serv washers and seats of new gaskets to both firmain wheels (29) Serv adjusted taxi lighter adjustment, adjustment ravel, adjusted taxi lighter and secured right en ue at ACTT-1822.4 (5) pect for cracks next 50 d new pressure plate at a control of the con	vice Manual (6) CVI to LAC Aviornics Inc by inspecting nose ge- vet check by visual in- installed two new vai- (15) Installed new let date OCT 2008 (11) Saftied both fuel st on left landling gear a- uel capis (26) Serv viced gear motor re- ed all wheel bearing- ent is in limits IAW S t switch and up limit gene prop control ca- sign complied the SE Ohrs at ACTT: 1822 nd shirm to left brake.  Ity. I certify that this Alf-  Lister A.S.	(8) Installed Airwoll ear and installing new respection OK (11) cuarn regulator filters lamp to right nev ligh 8) Re-positioned left drainer bolts (23) C actuator (24) Installed riced nose strut IAW reservoir (30) Cleans s (33) Installed ne SB 1123B (35) Rep stop (46) Replace able (55) Complied B 1161 inspected ribs 2.4 (59) Installed ne (61) Completed 11	Minisep air/oil separation upper drag link bok per Cleaned AC evaporator	A/C TSN: 1322.4 TACH: 1322.4  [2][3][4] (7) s to both engines injer SB filter (12) delle rudder pedal inp to left taxi revent chafing placed actuator s to nose gear (27) Installed in lower gear ir door (34) shing and bolt alther tube on talling two new ions 49.25 left to left and right	The state of the s

Date Tul -2008		Test   Scale   Friction   Encoder
S R W 22	Top Gun Aviation, Inc.  AKE: Piper  INCOME. PA-34-220T  AN: 3449180  ECIREUS  Flow Stockton, CA 95206  Phone: 209-983-8082  Phone: 209-983-8082  Installed new left main tire (2) Repositioned and secured brake lines above certify that this AIRCRAFT is airworthy with respect to the work performed.  ATE: 1/12/2007  SIGNED: Thomas W. Richardi, IA: 547493873	DATE: 1/12/2007 A/C TSN: 1347. TACH: 1347.  Work Order: 2965-01-2007 Printed by EBis 3 (datcomedia.com)
	Stockton, CA 95206 Phone: 209-983-8082  Entirles  ed digital eng guage after testing, Removed manifold pressure guage, MAN 772  nis AIRCRAFT is airworthy with respect to the work performed.	DATE: 6/12/2007 A/C TSN: 1453.7 TACH: 1453.7  10-1, P/N 159253-3, S/N 0716,  Work Order: 3108-04-2007 Printed by EBis 3 (datcomedia.com)
Scale Co Altimete	Reads Add -1000 -15 0 -10 500 -15 1000 -20 1500 -30 3000 -30 4000 -30 6000 -40 8000 -30	I certify that the Altimeter, Static System, & Altitude Rept tests required by FAR 91.411, and the Transponder tests req by FAR 91.413 have been performed IAW FAR 43 App E & FALtimeter tested to 25000 Ft. N 687 A IAW FAR 43 App. E on 2 DECO7 Signed Struck Date 12 DECO7 Signed Struck Date 1501.

***************************************	QUAN. PART NUMBER / DESCRIPTION AMOUNT	NORTHCOAST SERVICES  Accounting & Scheduling:  P.O. Box 2966, Vacaville, CA 95696  (707) 451-9421 Fax (707) 451-8517  FAA crs # WR3R955L	110 000057
		146 Deerglen Cir. Vacaville, CA 95687	Nº 028057
n open salamini ofisi anii sala		TOP GUN AVIATION	MODEL# SERIAL =
		STOCKTON, CA 952-06	PA34-220T
om annothing de année mar con altre, moi année de la		(PROBLEM)	SERIAL # 1687AV
		T DUE OUT //	DATE 12/12/07
		HOURS WORK TO BE DONE  1 FOR STREET TO BE DONE 1 BOOK TO BE DONE 1 FOR STREET TO BE DONE 2 WORK TO BE DONE 1 FOR STREET TO BE DONE 2 FOR STREET TO BE DONE 1 FOR STREET TO BE DONE 2 FOR STREET TO BE DONE 1 FOR STREET TO BE DONE 2 FOR STREET TO BE DONE 3 FOR STREET TO BE	ed.
	SUBLET REPAIRS	specified in FAR 43 App. E &	F_) 225
filide omhald i Tällebblesskram bady shilleadhir helinin ad		ADDINL FOR #2 ALTIME.	TER 70 -
DISCREPA	NCIES:	5	
	OWNER SIGNATURE	6	
	HAS BEEN REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN FOR SERVICE. 11:03 3 2 5 0 3  DETAILS OF THE REPAIRS ARE ON FILE UNDER WORK ORDER	THE NECESSARY MATERIAL YOU OR YOUR ELIPLOYEES MAY MAKE ALL NECESSARY CHECKS TO DETERMINE THE ARWORNINGS OF THIS UNIT AN EXPRESS MECHANICS.  LIEN IS LIEBERY ACKNOWLEDGED ON ABOVE UNIT TO SECURE AMOUNT OF REPAIRS THERETO, IF IT BECOMES, NECESSARY FOR YOUT OF THE TO A COLLECTION ASTRICY.  ANDIDIR AN ATTORIEY TO COLLECT THIS AMOUNT IN THE	ARTS ABOR 295 - UBLET OR OTHER
	# 28057 DATE 12/12/07 INSPECTED Shuth 2 CERT. 2312667	DUE ON RECEIPT	TAX DTAL 295 -
		IRCRAFT LOG	
	MAKE: Piper MODEL: PA-34-220T S/N: 3449180 REG. NO: 687AV WORK ORDER: 2446 13-2007	DATE: 1/21/2008 A/C TSN: 1501.3 TACH: 1501.3	
	OK (9) Installed all new vacuum regulars interest and 286-88 installed overhauled boost pump PN 286-88 SN 64 on nose gear (18) Installed new state of seals and o-rings (20) Installed new step grip tape on step (21) Installed new storm window seal (23) Installed seal	nanual (2) CW ELT 12 month check I.A.W FAR 91.207. Ops check not right nacelles (10) Removed left eng. boost pump SN 6AT53 PN ALT1 (16) Serviced nose gear strut (17) Adjusted down lock link arm on left and right gascolator (19) Installed new left side rear nav light new light bulbs in right alternator and right engine right mag switches I repair kit in right main gear actuator (25) Installed new central vacuum	
	Charles (26) Cleaned and Riperi all within seconds	at this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy	

and Remarks				Signature	(	Certificate No.
014 E. McCla	in Drive Suite		RINC le, AZ 85260	FAA	CRS No	o. G7QR017\
		AIRFRAM	IE LOG ENTRY		16	
rcraft N687	AV S/N	3449180	Seneca V	HOBBS 1522	2.2	
> Fuel lea	k on LH Wing	- found screw	on fuel panel loos	se, secured screw,	leak che	ck good IAW
	20T MM 20-00		-1120- NP1			1 -1 1
	Struts - Servic W Piper PA-34			en. Nose strut mea	suremen	t cnecks
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ith rogard to 1	an work describ	and obove I a	ortify that the above	ve stated maintena	2000 004	/or increation
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as performed	in accordance	with the Feder	al Aviation Regula	ations and this airc are on file unde	raft /com	ponent is
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Date	Airc This Date  Soyd's AIRC (661) 393-1588	raft Time Total  RAFT MAINTEN Fax (661) 393-256	Recorder Reading  NANCE, INC.	ations and this aircs are on file unde	eraft /com r W.O. 1 ate: 14 M	Maintenance 1565.50 1449180 29/2008

LOYD'S AIRCRAFT MAINTENANCE

Bogd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502

N 687AV

Hobbs: 1571.20 AFTT: 1571.20

Aircraft S/N: 3449180

Date:

11/11/2008

Work Accomplished

Airframe - Removed and replaced right alternator with overhauled unit, P/N ES-4024LP, S/N E110438. See F.A.A. Form 8130-3 from Falce Aircraft Accessories dated 11/10/2008. Set alternator belt tension as required and safetied. Operational check of alternator system satisfactors.

Michael L. Mullen A&P549967919



Logida AIRCRAFT MAINTENANCE, INC.

N 687AV 1604.10 L. Eng. TT: R. Eng. TT: 1604.10 1604.10

(661) 393-1588 Fax (661) 393-2502

AFTT: 1604.10 Aircraft S/N: 3449180 2/20/2009 Date

Hobbs:

L.Prop. TT: R.Prop. TT: 1604.10 1604.10

Work Accomplished

Airframe - Completed an Annual Inspection this date in accordance with Piper PA-34-220T Maintenance Manual Inspection Guide as per F.A.R. 43 appendix D. C/W AD Note 2005-13-16 part (e)(2) by inspection of nose landing gear in accordance with Piper Service Bulletin SB1123B. All parts found to be serviceable at this time. AD compliance is due again at 1704.1 AFTT. C/W AD Note 2004-21-05 by pressure test of combustion heater assembly. No defects noted at this time. AD compliance is due again 2/20/2011 or 1804.1 AFTT. C/W AD Note 2004 15-16 R1 by inspection of heater fuel regulator shut-off valve for condition and fuel leaks. No defects noted at this time. AD compliance is due again at 1704.1 AFTT or 2/20/2010. CAW Piper Service Bulletin 1161 by inspection of wing rib assemblies on left and right sides as per paragraph 2a (500 hr. requirement). No defects noted at this time. SB compliance is due again at 1704.1 AFTT. Jacked aircraft. Removed and replaced both main tires with new Goodyear 6.00x6 8 ply tires. Removed and replaced nose tire with new Michelin 6.00x6 8 ply tire. All new tubes installed. Removed and replaced both brake discs and all brake linings with new parts. Serviced all wheel bearings with grease. Performed landing gear retract check through several fault-free cycles. Performed emergency gear extension. Operational checks of gear satisfactory. Removed afroraft from jacks. Removed and replaced right wing tip nav light bulb with new A508-28 bulb. Operational check of nav lights satisfactory. Removed oxygen bottle from aircraft. Sent bottle off to HRD Aero Systems for hydrostatic test. See F.A.A. Form 8130-3 and associated paperwork from HRD dated 2/18/2009 for more information. Reinstalled oxygen bottle into aircraft. Operational and leak check of oxygen system satisfactory. Performed functional test of ELT as per F.A.R. 91.207(d). ELT battery is due replacement 12/10. Aircraft ground run and taxi check satisfactory. I certify that this aircraft has been inspected in accordance with an Annual Inspection and is approved for return

Lance Sondrol A&P3217570IA

### AIRCRAFT LOG



Work Accomplished

Engels AIRCRAFT MAINTENANCE, INC.

Airents Time

(661) 393-1588 Fax (661) 393-2502

N 687AV Hobbs:

1620,60

AFTT: Aircraft S/N;

1620,60 3449180

Date:

Airframe - Removed and replaced left fuel boost pump with overhauled pump, P/N 2B6-88, S/N 38252. See F.A.A. Form 8130-3 from Fleet Support Services, Inc. dated 12/22/08 for more information. Operational and leak checks of boost pump satisfactory.

Mark W. Wiebe A&P561868073



Engal's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502

-

Hobbs:

Tach:

N N687AV 1653.80

NΔ

L. Eng. TT: R. Eng. TT:

1653,80 1653.80

Work Accomplished

L.Prop. TT: 1653.80 AFTT: 1653.80 R.Prop. TT: 1653,80 AFTC: NA Aircraft S/N: 3449180

Airframe - Installed Slick Start ignition booster per STC SA593CH, no weight change, equipment list revised

Mark W Wiebe AP561868073

	Aircra	Aircraft Time		
Date	This Date	Total	Reading	Maintenance
1-22-10	Brought Forward	Hobbs 1667.1		eltimeter S/N 30170 /41043G
	·	were inspected	end tested this c	ato 1-22-10 to sa
		altitude of	30,000	feet found to comply
	-	with FAN91.47 was tested and	inspected on thi	opender 9/11 <u>83700720</u> odete <u>(-2210</u> and
				t. The automatic abbude
Megahertz avion		this date	22-10 in	compliance with FARS1.411.
DAKERSFIELD, CA D CRS DIBR450L			FAA Repail	Station OF 3 R4/50
PADIO CLASS 1,2,3 LIMITED INSTRUME SPECIA LIEUD SERVIO				VIONIÓS
(451) 393-1818				D, CA 99344
	`		ONS DIBRASO  RADIO CLAS  LIMITED INS	\$1,2,3
Total To Carry Forward				SERVICES PATOE STATE

	Regist	ration No			
and Remarks				Signature	Certificate No.
	D Loyd	á AIRCRAFT	MAINTENA	ANCE, INC.	PAGE 1
LOYD'S AIRCRAFT MAINTEN	P.O. Box 8095	8	A The second sec	Cessna	-
Date: 6/07/2011; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1749.00; Total Time: 1749.00; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1749.00, SMOH: 31749.00; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1749.00, Last Prop MOH: 417.80-9/20/2001, SMOH: 331.20; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1749.00, Last Prop MOH: 417.80-9/20/2001, SMOH: 1331.20; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1749.00, SMOH: 1331.20; Work Done At - Airframe Time: 1749.00, Engine Time: 1749.00, Last Prop MOH: 417.80-9/20/2001, SMOH: 331.20; Work Done At - Airframe Time: 1749.00, Engine Time: 1749.00, Discrepancy:  Annual inspection due.  Completed an Annual inspection this date in accordance with Piper Maintenance Manual Inspection Check List and F.A.R. 43 appendix d.  Discrepancy:  AD note 2004-21-05 (heater pressure test) due.  Complied with AD note 2004-321-05 per AD note instructions. No defects found at this time.  Discrepancy:  AD note 2004-25-16R1 (heater fuel regulator) due.  Complied with AD note 2004-25-16R1 per AD note instructions of nose gear) due.  Complied with AD note 2005-13-16 (50, 100 & 500 hour inspections per AD note instructions. No defects found at this time.  Discrepancy:  AD note 2005-13-16 (control wheel shaft inspection) due.  Complied with AD note 2005-13-10 (control wheel shaft inspection) due.  Complied with AD note 2010-15-10 per AD note instructions. No defects found at this time.  Discrepancy:					
		AII	RCRAFT LOG		
Date	Aircraf This Date	t Time Total	Recorder		Mainton
			Reading RAFT MAIN	ITENANCE, INC	nor.
Complied with A Discrepancy: All engine comple Removed and re Aviall. Leak chec Discrepancy: Corrosion on floc Cleaned and trea Discrepancy: Battery weak. W Serviced and cha Discrepancy: Oxygen system I	Bake 2 (engine air filter rep D note 84-26-02 by ir artment hoses due 5 placed all engine corck good.  or of battery area. ated corrosion on battill not pass capacitan arged new aircraft bat	rsfield, California 93 placement) due. nstalling new air fil year replacement. npartment flexible tery floor area. ce test, ttery. Installed G24	ters per AD note in hoses on left and 47 serial# G02513	nstructions. No defects f	

ELT battery due.
Removed and replaced ELT battery with new unit. Preformed functional test in accordance with FAR 91.207d. New

battery due date 5-2013.

This aircraft is approved for return to service with respect to the work performed.

Mark W Wiebe AP561868073IA

and Remarks		Signature	Certificate No
OGBOOK: N687AV ATE: 03/27/2012	P/S CERT. A/C TIME:	H1752.6	
HE STATIC PRESSURE SYSTEM AND A LITTUDE OF 30,000 FT AND FOUND ESTED AND INSPECTED ON THIS DAT EPORTING FOURPHENT SA 30973 WA ICHARD KURTZ AA CRS DI3R450L ADIO CLASS 1,2,3 IMITED INSTRUMENT	TO COMPLY WITH FAR 91,411. THE A E AND FOUND TO COMPLY WITH FA	ATC TRANSPONDER S/N R 91.413. THE AUTOMA ICE WITH FAR 91.411. IONICS, INC.	83/00/20 WAS



## Boyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958 Bakersfield, California 93380

Date: 9/01/2012; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1755.20; Total Time: 1755.20; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1755.20, SMOH: 1755.20; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1755.20, Last Prop MOH: 417.80-9/20/2001, SMOH: 1337.40; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1755.20, SMOH: 1755.20; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1755.20, Last Prop MOH: 417.80-9/20/2001, SMOH: 1337.40; Work Done At - Airframe Time: 1755.20,, Engine Time: 1755.20, Shop Order #: 15301

Discrepancy:

Annual inspection due.

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix d.

Discrepancy:

AD Note 2004-25-16R1 (heater fuel regulator inspection) due.

Complied with AD Note 2004-25-16R1 (heater fuel regulator inspection) per AD note instructions. No defects found at this

Discrepancy:

AD Note 2005-13-16 (nose gear inspection) due.

Complied with AD by performing required 50 hour inspection of nose gear assy. No defects noted at this time.

Discrepancy:

Right engine front baffling cracked.

Fabricated patch from .032 2025T3 aluminum, painted to match and riveted in place.

Discrepancy:

Heater fuel pump outlet fitting leaking fuel.

Removed interior to facilitate access to fuel pump. Removed fitting, resealed, and torqued to Piper specs. Leaked checked fitting and functionally checked heater. No defects noted. Reinstalled interior. This aircraft is approved for return to service with respect to the work performed.

no Mark E Jensen AP1941683IA



## Loyd's AIRCRAFT MAINTENANCE, INC.

PAGEI

P.O. Box 80958

Bakersfield, California 93380

Date: 1/13/2014; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1768.60; Total Time: 1768.60; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1768.60; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1768.60; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1768.60; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1768.60; Work Done At - Airframe Time: 1768.60,, Engine Time: 1768.60, Shop Order #: 16149, Closed: 12/31/2013

\*\*Discrepancy\*\*

Annual Inspection due.

Completed an Annual Inspection this date in accordance with F.A.R. 43 appendix d.

\*\*Discrepancy\*\*

AD 2004-21-05 Combustion heater pressure test due.

Complied with AD by pressure test of combustion heater. No defects noted at this time.

\*\*Discrepancy\*\*

AD 2004-25-16R1 Heater fuel regulator inspection due.

Complied with AD by visual inspection of heater fuel regulator unit. No defects noted at this time.

\*\*Discrepancy\*

AD 2009-02-03 Lean running engine due.

Complied with AD note 2009-02-03 per AD note instructions. No defects found at this time.

\*\*Discrepancy\*\*

ELT Annual test due and ELT battery due replacement.

Removed and replaced ELT battery with new unit. Preformed functional test in accordance with FAR 91.207d using the ICARUS model # ELT406-03. Calibration date 1/1/2015. New ELT battery due date 12/2015.

Carry Forward	Total To Carry Forward		
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Registration No		
and Remarks	Signature	Certificate No.



## Loud's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958

Bakersfield, California 93380

Date: 1/31/2013; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1758.40; Total Time: 1758.40; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1758.40, SMOH: 1758.40; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1758.40, Last Prop MOH: 417.80-9/20/2001, SMOH: 1340.60; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1758.40, SMOH: 1758.40; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1758.40, Last Prop MOH: 417.80-9/20/2001, SMOH: 1340.60 Shop Order #: 15537

Discrepancy:

Left fuel boost pump inoperative.

Installed original pump serial number 7AV19 after overhaul by Fleet Support Service. No leaks found and ground run was normal.

This aircraft is approved for return to service with respect to the work performed.

Michael L Mullen AP549967919





## loyd's AIRCRAFT MAINTENANCE, INC.

	LOYD'S AIRCRAFT MAINTENANCE	Bakersfield, California 93380	¥	Came	
	Date: 3/11/2015; Aircraft: N687.				
	Type: TSIO-360-RB1B, S/N: 322				
	LTSIO-360-RB1B, S/N: 322075, Airframe Time: 1813.00, Engine		DE: SAF32C323, S/N; 001	549, Time: 1615.00, VV	TOR Done At -
_	Shop Order #: 16786	Fille. 1015.00,			
	**Discrepancy**				
_	Annual inspection due.				
	Completed an Annual Inspection	n this date in accordance wi	th F.A.R. 43 appendix d.		
	**Discrepancy** 5			,	
	AD 2004-25-16R1 (Heater fuel s				
	Complied with AD note 2004-25	-16R1 per AD note instruction	ons. No defects found at t	his time.	
	**Discrepancy**				
	AD 2005-13-16 (NLG inspection	,			
_	Complied with AD by performing	so nour required lubrication	n or nose gear.		
	**Discrepancy**				

Static wick on right flap missing. Installed new static wick.

\*\*Discrepancy\*\*

Pilots storm window broken.

Removed storm window, fit new window and riveted in place.

\*\*Discrepancy\*\*

Left and right propellers due overhaul.

Removed left and right propellers with slip rings and sent to Johnson Propeller for overhaul. Reinstalled both propeller and slip

Carry norwara (1999)



## Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958

Bakersfield, California 93380

**Di	scr	ер	ar	icy**

Right landing light inop.

Relamped right landing light. Ops check good.

\*\*Discrepancy\*

Oxygen system low.

Serviced oxygen system with Aviators Breathing Oxygen.

\*\*Discrepancy\*'

Air conditioning require servicing.

Recovered 1.23lbs of R134 freon. Vacuumed and serviced system with 2.25lbs of R134 freon.

This aircraft is approved for return to service with respect to the work performed.

Mark E Jensen AP1941683IA

Interior Work Performed Piper Seneca V - N687AV

Aviation Design - 20166 Pine Mountain Dr., Groveland, Ca 95321 (209) 962-0415

Seats: Refurbished and covered Seats with Spinneybeck Leather, P/N6064ADI11044 -

Color Andes, D/L 111044

Above materials were tested to FAR 25.853 (a) Appendix F Part 2(a)(1)(8).

Weight and Balance Negligible.

Burn Certs provided to: Owner

Work signed off by:



## Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958 Bakersfield, California 93380 7

Bakersheid, Camodila 45560	
ring assemblies on aircraft. Lube torqued to 50 ft lbs. Timed syncrophazer target assemblies per PA34-220T maintenance	=
manual.	
**Discrepancy**	
All three tires are weathered. (sidewall cracks).	
Replaced all three tires and tubes.	
**Discrepancy**	_
RH engine and LH engine alternator belts cracking	
Replaced alternator belts with new units. Tensioned and saftied.	:
**Discrepancy**	
All brake linings worn.	
Replaced all brake linings with new units.	-
**Discrepancy** Right engine bottom cowling fuel drain attaching hardware missing.	
Installed nut with lock washer to secure drain.	
**Discrepancy**	_
Oxygen bottle due recertification.  Removed oxygen bottle and found it was past service life. Installed new bottle in aircraft and serviced with Aviators Breathing.	-
Oxygen. Leak check good.	
**Discrepancy**	
	-
Nose gear strut leaking.  Jacked aircraft. Resealed nose strut assembly by replacing seals and wiper assembly. Serviced strut with hydraulic fluid and	
nitrogen. Removed aircraft from jacks.	_
**Discrepancy**	
Nose gear up stop deteriorated	i
Replaced stop with factory new unit.	_
**Discrepancy**	1
Nose wheel races and bearings corroded.	
The standard and hoorings with new Units	
Replaced races and bearings with hew drives.  This airstaft is approved for return to service with respect to the work performed.	
Cy VIII holds	
Mark W Wiebe AP 561868073IA	

### AIRCRAFT LOG



## Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958 Bakersfield, California 93380 7

Date: 5/28/2015; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1830.40; Total Time: 1830.40; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1830.40; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1830.40; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1830.40; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1830.40; Work Done At - Airframe Time: 1830.40, Engine Time: 1830.40,

-- Discrepancy -- Install new wing root to fuselage rubber seal.

Removed inboard left and right wing leading edge assemblies, and installed additional fiberglass to inside leading edge radius at inboard edge. Installed cuff on fuselage at intersection of inboard leading edge of wing and fuselage to support seal. Installed new left and right wing to fuselage rubber seals. This aircraft is approved for return to service with respect to the work performed.

George Leazer AP3557664 From Sun						
	· ·					
Total To Carry Forward						



### Loyd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502

N 687AV Hobbs: 1850.50 AFTT: 1850.50 Aircraft S/N: 3449180

Date: 4/15/2016

### Work Accomplished

#### Airframe -

- Discrepancy -- Annual inspection due.

Completed an annual inspection this date in accordance with F.A.R. 43 appendix d.

-- Discrepancy -- AD 2004-25-16R1 Heater Fuel Regulator inspection due.

Complied with AD 2004-25-16R1 (Heater Fuel Regulator inspection). No leaks found at this time.

- Discrepancy -- AD 2005-13-16 Nose Landing Gear inspection due. (50 and 100 hour inspections)

Complied with AD 2005-13-16 (Nose Landing Gear) inspection by performing 50 and 100 hour inspections per SB1123A. No defects noted at this time.

-- Discrepancy -- AD 2013-02-13 (Stabilator Control System inspection) due.

Complied with AD 2013-02-13 (Stabilator Control System inspection). No defects noted at this time.

-- Discrepancy -- AD 2004-21-05 (Combustion heater decay test) due.

Complied with AD 2004-21-05 (heater decay test). No defects noted at this time.

-- Discrepancy -- ELT Annual test due. Battery due replacement.

Tested ELT in accordance with FAR 91.207(d) using the ICARUS model # ELT406-03. Battery due date, October 2018, ELT approved for continued use.

-- Discrepancy -- Compass fluid low.

Changed all gaskets and filled compass with fluid.

-- Discrepancy -- All three landing gear retract actuators leaking.

Installed overhauled exchange actuators, left S/N 050915 and right S/N 5963. Installed new nose actuator S/N 5914. Retraction test performed and leak check good. Serviced system with MIL-H-5606 hydraulic fluid.

-- Discrepancy -- Oxygen system low.

Serviced oxygen system with Aviators Breathing Oxygen.

Discrepancy -- Heater combustion air switch defective.

Installed new combustion air switch P/N 94E42-3. Heater functionally tested good. This aircraft is approved for return to service with respect to the work performed.

Gabriel Ramirez AP3130276IA





Loyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502

N 687AV

Hobbs: 1836.50 AFTT: 1836.50 Aircraft S/N: 3449180

Date: 10/26/2015

### Work Accomplished

Discrepancy -- Install customer supplied LED landing lights.

Installed new LED landing, taxi and recognition lights P/N 01-0771833-20. Operational check good. This aircraft is approved for return to service with respect to the work performed

Michael Pedersen AP2792777



Loyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502

N 687AV

Hobbs: 1836.50 AFTT: 1836.50

Aircraft S/N: 3449180

Date: 12/18/2015

### Work Accomplished

#### Airframe -

- Discrepancy -- Aircraft battery weak.

Activated and charged a new G247 battery, S/N G02890840. Installed in aircraft. This aircraft is approved for return to service with respect to the work performed.

Aurelio Flores AP3544096 Juneler Brun



Logal's AIR	CRAFT MAINTENANCE,	INC
	Fax (661) 393-2502	P <sub>0</sub>

L. Eng. TT: N 687AV R. Eng. TT: 1627.10 Hophe. L. Prop. TT: MΛ Tach: AFTT. 1687.10

MA

4/1/2010

R Prop. TT: Aircraft S/N:

1697.10 1627 10 3449180

1687.10

1687 10

Work Accomplished

Airframe - Completed an Annual Inspection this date in accordance with Piper PA-34-220T Maintenance Manual Inspection Guide as per F.A.R. 43 appendix D. CAV AD Note 2005-13-16 (inspection of nose landing gear in accordance with Piper Service Bulletin SB1123B) all parts found to be serviceable at this time. C.W AD Note 2004-15-16 R1 by inspection of heater fuel regulator shut-off valve for condition and fuel leaks. No defects noted at this time. Resealed main and nose landing gear and serviced with 5606 fluid and nitrogén. Installed new gaskets on left and right outboard fuel transmitters. Installed overhauled exchange engine digital display unit. Installed overhauled exchange left fuel boost pump. Performed landing gear retract check through several fault-free cycles. Performed emergency gear extension. Operational checks of gear satisfactory. Performed functional test of ELT as per F.A.R. 91.207(d). ELT battery is due replacement 12/10. Aircraft ground run and taxi check satisfactory. I certify that this aircraft has been inspected in accordance with an Annual Inspection and is approved for return to service.

Lowels AIRCRAFT MAINTENANCE, INC. 2

(661) 393-1588 Fax (661) 393-2502

AFTC:

SETC:

Date:

N 687AV Hobbs: 1852.00

AFTT: 1852.00 Aircraft S/N: 3449180

Date: 8/29/2016

Work Accomplished

#### Airframe -

-- Discrepancy--

Left fuel boost pump trips circuit breaker.

Removed left acess panel, removed fuel boost pump S/N 7AV19 for overhaul. Reinstalled fuel boost pump S/N 7AV19 after overhaul operational and leak check ok, reinstalled panels.

This aircraft is approved for return to service with respect to the work performed.

Gabriel Ramirez AP3130276

	N 0			
Registration	No			
Kedisii diibii	170	 	 	
9				

and Remarks			Signature	Certificate No
LOGBOOK: N687AV	P/S CERT.			
DATE: 05/04/2016	A/C TIME H1786.1			
*******				
THE STATIC PRESSURE	SYSTEM AND ALTIMETE	D S/NI 20072 / 412426	******	
WERE INSPECTED AND	TESTED THIS DATE TO	N ALTITUDE	,	
OF 25,000 FT AND FOU	ND TO COMPLY WITH FA	R 91.411.		
THE ATC TRANSPONDE	R S/N 83700720 WAS TE	STED AND INSPECTED		
ON THIS DATE AND FO	IND TO COMPLY WITH F	AR 91.413, THE		
AUTOMATIC ALTITUDE	REPORTING EQUIPMENT	S/N 30972		
WAS TESTED TERS DATE	DICOMPLIANCE WITH	FAR 91.411.		
	WO# 24996	•		1
//////	110: 21550			
BEHARD KURTZ	MEGAHER	TZ AVIONICS, INC.		
FAA CRS DI3R450L		ORT DR.		
RADIO CLASS 1,2,3		ELD, CA 93308		
LIMITED INSTRUMENT	(661) 393-1	318		
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D .	-				
Date		AVIATION		TE:3-29-17 87AV	Maintenance
	65	FOX FIELD 4555 W. AVE. G LANCASTER, CA. USA (661)94840	P3536 AFT	CH:1859.0 T:1859.0	
	RIGHT: LTS	TWO NEW ENGINES INTO TO 360RB2B, S#1033600 10360RB5B, S#1033319 NE ARE FACTORY NEW	HIS AIRFRAME.		
		STALLED AND ADJUSTED PE EST FLOWN AND OPS CHECK TTON AP3683725	R CONT, MAINTE (NORMAL,	ENANCE MANUAL	
	Mila	15	Z.		
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7/20/17 H	0885 1860	0.6 THI	SAIRC	RAPT H	AS REEN INSPECTED
1	REEN FOU	ND SAFE F	OR THE	D INTER	UDISO FLIGHT M
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Registration No.	The state of the s	
and Remarks	Signature	Certificate No.
SO#	18651	N 687AV Hobbs: 1861.80 AFTT: 1861.80 Aircraft S/N: 3449180 Date: 8/9/2017
frame - corepancy: nual Inspection due. solution: mpleted an Annual inspection this date in accordance with F.A.R. 43 appendix D,	and Piper Inspection ou	ide. Dated: 30 MAY 2007.
screpancy: se tire worn. solution: cked aircraft, removed nose tire assembly. Disassembled nose wheel and tire asseplaced nose tire and tube, with new items. Statically rebalanced nose tire assembly on to aircraft, torqued axles. IAW Piper MM, Dated: 30 MAY 2007. Dej	sembly. nbly, cleaned and grease	
screpancy: con changing nose wheel and tire assembly, nose wheel race and bearings were esolution: stalled new races and bearings, repacked with grease and installed.	corroded.	
screpancy: conditioner not cooling. solution: acuated and serviced air conditioner system with 2.25 lbs. of R-134A Freon. Oper	rational check satisfactor	cont-ON y. Next Page.
Discrepancy: ELT Annual test due. Resolution:	is Pase. So	
Tested ELT in accordance with FAR 91.207(d) using the ICARUS model at ELT approved for continued use.  Discrepancy: Vertical stabilizer deice boot scuffed. Resolution:	# ELT406-03. Battery du	e date, OCT/2018,
Painted with BF Goodrich deice boot sealant paint.  Discrepancy: Oxygen requires service. Resolution: Serviced oxygen system with Aviators Breathing Oxygen.		
Discrepancy: Pitot heat annunciator light bulb inoperable. Resolution: Replaced bulbs with two new GE327, lights operational.		•
Discrepancy: Cabin heater inoperative. Combustion blower not operating. Resolution:	nal test satisfactory.	
Repaired ground wire connection for combustion blower motor. Operation		
Discrepancy: AD 2004-25-16R1 Heater Fuel Regulator inspection due. Resolution: Complied with AD by visual inspection. No defects noted at this time. Due	again 7/2018.	

Date This Date Total Reading  Compared to the	te No.
AIRCRAFT LOG  AIRCRAFT LOG  Aircraft Time Recorder Reading Main Aircraft Time Date This Date Total Reading Main Reading Main Response Notes (681) 393-1558 Fax (661) 393-2502  AIRCRAFT MAINTENANCE, INC.  (681) 393-1558 Fax (661) 393-2502  Aircraft Notes (681) 393-2502  Aircraft Notes (681) 393-2502  Aircraft Notes (681) 393-2502  Aircraft Notes (681) 393-2502	
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AIRCRAFT LOG  Date Aircraft Time Recorder Reading Main  This Date Total Reading Main  Loyd AIRCRAFT MAINTENANCE, INC.  (661) 393-1588 Fax (661) 393-2502  SO# 18997  Work Accomplished	
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This Date Total Received  Loyd's AIRCRAFT MAINTENANCE, INC.  LOYD'S AIRCRAFT MAINTENANCE (661) 393-2502  Aircraft MAINTENANCE (661) 393-2502  SO# 18997  Work Accomplished	intenanc
Work Accomplished  Soyd's AIRCRAFT MAINTENANCE, INC.  (661) 393-1588 Fax (661) 393-2502  SO# 18997	
Work Accomplished	N Hobbs: AFTT: raft S/N:
	Date:
Discrenancy:	
Check for hydraulic leak right wing inboard area.  Resolution:  Found right main gear actuator hydraulic hose fittings loose at actuator. Tightened hose fittings and no leaks noted.	
Discrenancy:	*
Right Pilot's brake master cylinder leaking. Resolution: Removed brake master cylinder and replaced with new unit., PN: 10-30. Bled brake system and performed operational taxi test, no defects found.	•
This aircraft is approved for return to service with respect to the work performed.	•
Jorge Cruz, AP3967528	·
100000000000000000000000000000000000000	
Total To	

SO# 19387



### Bogod's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502

N 687AV

Hobbs: 1888.40

AFTT: 1888.40 Aircraft S/N: 3449180

Date: 9/21/2018

### Work Accomplished

Airframe-

Discrepancy:

Annual Inspection due.

Resolution:

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix D, and Piper Aircraft MM and Inspection guide, 761-888, PR140101, REV. Dated 24 JUL 2014.

Discrepancy:

Left and right alternator belts lose.

Resolution:

Tighten both belts and safety.

Discrepancy:

ELT Annual test due. Battery due replacement.

Resolution:

Tested ELT in accordance with FAR 91.207(d) using the ICARUS model # ELT406-03. Battery due date, 3-30-2021, ELT approved for continued use.

Discrepancy:

AD 2004-21-05 Heater pressure test due.

Resolution:

Complied with AD 2004-21-05 heater pressure test. Heater passed test at this time.

Discrepancy:

AD 2004-25-16 Heater fuel regulator inspection due.

Resolution:

Complied with AD 2004-25-16 heater regulator inspection. No leaks found at this time.

CONT- ON NEXT PAGE

### AIRCRAFT LOG

Desta	Aircraf	Time	Recorder	Maintanana
Date	This Date	Total	Reading	Maintenance
MANAGEMENT OF THE PARTY OF THE	Brought			

Discrepancy:

AD 2005-13-16 Nose gear inspection due.

Compiled with AD 2005-13-16 and Piper service bulletin 1123C 50hr and 100hr inspection of nose gear and performed five (5) complete retraction / extension tests, no defects noted at this time.

Discrepancy:

Battery capacity test due.

Resolution:

Battery failed capacity test at 50%. Installed new Gill G247 battery S/N G03013395.

Discrepancy:

Two (2) inoperative static wicks at left wing.

Resolution:

Installed two (2) new static wicks.

Discrepancy:

Nose wheel turn limit placard worn.

Resolution:

installed new turn limit placard.

Discrepancy:

Fuel placards adjacent to filler caps unreadable.

Resolution:

installed new fuel placards.

I certify that a annual inspection was performed on the above aircraft in accordance with F.A.R. 43 appendix D, and Piper Aircraft MM 761-888, PR140101, REV Dated 24 JUL 2014.

This aircraft is approved for return to service with respect to the work performed.

Mark W Wiebe AP561868073IA

d Remarks		Signature	Certifico	ite No.
			N 687AV	
Loyd's AIRCRAFT MAINTENANC			bbs: 1888.40 FTT: 1888.40	
DE AURCRAFT MAINTENANCE (661) 393-1588 Fax (661) 393-2502	3		S/N: 3449180	,
k Accomplished	SO# 1	19483 n	Date: 11/2/2018	<b>!</b> :
•				
rame-				
repancy: raulic leak left wing root area.				
olution:				
raulic leak found to be from landing gear actuator retraction / exter	nsion hoses. Placed	l aircraft on jacks.		-
alled factory new hydraulic hoses on the left and right main gear. A actuator. Performed 5 fault free gear cycles. No leaks noted. Rese	leo inetalled new h	open on the need		
oved aircraft from jacks.	iiyaraano 16:	oo. ton as required.		
aircraft is approved for return to service with respect to the work	performed.			
usey flux				
k W Wiebe XP561868073				
AIRC	CRAFT LOG			
Aircraft Time	Recorder		M	aintenance
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Date  This Date  Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished	Recorder Reading	1	N Hobbs: AFTT: Aircraft S/N:	687AV 1888.40 1888.40 3449180
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.  Resolution: Installed overhauled exchange boost pump P/N 2B6-88. Installed	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  This Date  Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.  Resolution: Installed overhauled exchange boost pump P/N 2B6-88. Installed exchange boost pump P/N 2B6-88. Install	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.  Resolution: Installed overhauled exchange boost pump P/N 2B6-88. Installed	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  (661) 393-1588 Fax (661) 393  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.  Resolution: Installed overhauled exchange boost pump P/N 2B6-88.	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  Aircraft Time This Date Total  LOYD'S AIRCRAFT MAINTENANCE  (661) 393-1588 Fax (661) 393  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.  Resolution: Installed overhauled exchange boost pump P/N 2B6-88.	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201
Date  This Date  Total  LOYD'S AIRCRAFT MAINTENANCE  Work Accomplished  Airframe: Discrepancy: Left fuel boost pump inoperative.  Resolution: Installed overhauled exchange boost pump P/N 2B6-88. Installed exchange boost pump P/N 2B6-88. Installed exchange boost pump P/N 2B6-88. Installed exchange	Recorder Reading	SO# 19553	N Hobbs: AFTT: Aircraft S/N: Date:	687AV 1888.40 1888.40 3449180 12/11/201