

RAPCO, inc.

Air Filter P/N <u>D9-18-1</u>	
Changed at: <u>3405</u> Hrs.	Next Change: _____ Hrs.
Date: <u>2-14-12</u>	Date: _____

Aerospace

ARTEX

ARTEX AIRCRAFT SUPPLIES, INC.
14405 Kell Rd. NE Aurora, OR 97002
(503) 678-7929 800-547-8901

LOG BOOK ENTRY _____
E.L.T. BATTERY REPLACEMENT DATE <u>OCT. 2006</u>

N588ET
#2 AIRCRAFT LOG

Aircraft Record General Information

Manufacturer Piper Model PA32-301T
Serial 32-8024044 Registration Number N588ET

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer _____ Model _____ Serial _____

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____



9 781560 271642

tion of Inspections, Tests, Repairs and Alterations
 must be endorsed with Name, Rating and Certificate Number of Technician or Repair
 See back pages for other specific entries.)

ertify that ATC Transponder(s) has/have been inspected, tested and found to
 mplies with FAR 43, Appendix F.
 nsponder No. 1 Serial No. 677327
 nsponder No. 2 Serial No. 677327
 ate: 11/28/07 Signature: [Redacted]
 vCom Avionics Inc. Certificate No. [Redacted]
 506 W. Airport Dr., Visalia, Ca. 93277 N 58867

ertify that the Altimeter(s) Automatic Pressure Altitude Reporting System(s)
 d Static Pressure System(s) have been inspected, tested and found to comply
 ith FAR Part 43, Appendix E.
 Altimeter(s) tested to 25,000 FT
 Pilot Altimeter Serial No. [Redacted]
 o-Pilot Altimeter Serial No. [Redacted]
 ate: 11/28/07 Signature: [Redacted]
 avCom Avionics Inc. Certificate No. [Redacted]
 506 W. Airport Dr., Visalia Ca. 93277 N 58867

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

January 1, 2008
 Tach/ TT: 3175
 Removed the following: PM1000 intercom, KMA24 audio panel, KY197 com, KX170/Max 1700 navcom, GX50 GPS
 with antenna, KI-203 indicator; Apollo GX-50 GPS system with A-33 antenna and MD-41-724 annunciator, KR-87
 ADF, KI-227 ADF indicator, KA-44B ADF antenna, II morrow 612 Loran, CI-121SP Loran antenna and preamp;
 KNS-80 RNAV. Installed: Garmin GMA 340 audio panel with marker beacon receiver pn 011-00401-10 sn
 96280710, and connected to existing marker beacon antenna. Installed new Garmin GNS 430W pn 011-01060-00 sn
 23402424 with terrain and WAAS as #1 navcom. Installed serviceable Garmin GNS530 GPS/Com pn 01100550-10 sn
 78400121 as #2 navcom. Installed new GA 56 antenna sn 59428241 connected to the GNS 530 and installed new GA
 35 antenna connected to the GNS 430W. Both antennas installed at forward cabin top. Installed new Mid Continents
 indicator mn MD200-306 sn H07-11691 connected to the #1 nav, and retained the existing KI 206 indicator sn 12269
 connected to the #2 nav. Both nav units were coupled to the autopilot. Installed PCD7100-P CD/MP3 player sn
 E02872. Previously installed Garmin GTX 327 transponder sn 83707374 was retained and relocated below the
 Garmin 430W in the manufacturers left avionics rack. RS232 serial data is provided to the #1 GPS/NAV/COM from
 the transponder, and RS232 serial data is provided to the #2 GPS/NAV/COM from the existing Trans Cal altitude
 serializer. Installed Comant CI-1125 quadplexer at upper center false firewall to provide VOR/LOC/GS information to
 the #1 and #2 navcom. The existing cooling fan was routed to #1 and #2 GPS/NAV/COM and transponder. See 337
 form and weight and balance revision this date. Removed undocumented GEM engine analyzer and installed new JPI
 engine analyzer pn EGT 701(6)C sn 26324 in accordance with STC and Master Eligibility List #SA2586NM. See 337
 form this date. Tom Regier AP [Redacted]

on of Inspections, Tests, Repairs and Alterations

st be endorsed with Name, Rating and Certificate Number of Technician or Repair
e back pages for other specific entries.)

TO GARMIN 430W S/N 23402424 FOR REPAIR
AVIATION INC. FAIRBANKS CPBR4316, WORK ORDER 21427
INSTALLED AFTER REPAIR. REMOVED MAIN GEAR
FAIRINGS, REPAIRED CRACKS IN FAIRINGS
PAINTED. REINSTALLED FAIRINGS. [REDACTED]

— [REDACTED] TOM RELO

HSN/FLAIR
4557 S. Frankwood Ave.
Reedley, CA 93654
559-859-0374
AIRCRAFT

N588ET Model: PA32-301T S/N: 32-8024044
Tach: 3380.76 AFTT: 3380.76 ELT DUE: Aug 2012

Lubed all bearings, pulleys, bell cranks, and hinges. Replaced
275-1555 push switch, tire left main Flight Custom III 6.00X6-6
ply, 44-77B nose wheel and wheel bearing sets, #220 SouthCo
fastener. Serviced battery. Checked control cables for proper
tension. Checked controls for proper travel. Function checked ELT
and set in the ARM position in accordance with FAR 91.207(d).
The above work and aircraft has been inspected in accordance with an
Annual inspection and aircraft was determined to be in airworthy condition
and is approved for return to service. AD compliance report attached to
aircraft permanent records. Return to service.

Carl E. Smith IA [REDACTED]

Signature: [REDACTED]

Date: September 14, 2011

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ons, Tests, Repairs and Alterations

1 Name, Rating and Certificate Number of Technician or Repair
other specific entries.)

N588ET
#2 ENGINE LOG

PACIFIC CONTINENTAL ENGINES, INC.

16041 ARMINTA ST.
VAN NUYS, CALIF. 91406
CERTIFIED STATION 4595

N588ET Log #2

ENGINE LOG BOOK

AIRCRAFT ENGINE LOG FOR

BOOK NO. _____

ENGINE MAKE Lycoming MODEL TIO-540-SIAD SERIAL NO. L5741-61A

MANUFACTURER _____ DATE OF MFG. _____ WEIGHT _____

HP. _____ AT _____ RPM DISPLACEMENT _____ CU. IN.

OIL WEIGHT - SUMMER _____ WINTER _____

OIL CAPACITY _____ QTS. FUEL MIN. OCTANE _____

FIRING ORDER _____ SPARK PLUG GAP _____

BREAKER POINT GAP _____ IGNITION TIMING _____

VALVE CLEARANCES _____

OIL PRESSURE _____ OIL TEMP. RANGE _____

PROPELLER MAKE _____ MODEL _____ SERIAL NO. _____

PITCH _____ LENGTH _____ REMARKS _____

**CERTIFIED OVERHAUL TO
NEW ENGINE TOLERANCES
ZERO-TIME EQUIVALENT**

PACIFIC CONTINENTAL ENGINES, INC.
FAA APPROVED REPAIR STATION #TZ3R885L
16041 ARMINTA ST. • VAN NUYS, CA.

Make TEXTRON LYCOMING

Model TIO-540-S1AD


S/N L574L-61A

HRS. SMOH 0.00

This engine was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under

Work Order NO. 92918

Date: 10/17/91


Authorized Signature

Total time on engine before overhaul 2626.62

ALL ENGINE REPAIRS
PERFORMED IN ACCORDANCE
WITH THE FAA APPROVED
REPAIR STATION #TZ3R885L
PACIFIC CONTINENTAL ENGINES, INC.
16041 ARMINTA ST., VAN NUYS, CA. 91411
TEL: (818) 708-1000, FAX: (818) 708-1001, CARRIER, AIRTEL

Authorized Signature

Total time on engine before overhaul 2626.62

ALL ENGINE ACCESSORIES AND MAJOR PARTS SHIPPED WITH ENGINE
 REPAIR STATION #TZ3R885L
 16041 Arminta St. • Van Nuys, CA 91406
 RECORD OF ACCESSORIES AND MAJOR PARTS SHIPPED WITH ENGINE
 WATER OR GENERATOR, AND TURBO.

DATE

PACIFIC CONTINENTAL ENGINES, INC.

FAA APPROVED REPAIR STATION #TZ3R885L

16041 Arminta St. • Van Nuys, CA 91406

RECORD OF ACCESSORIES AND MAJOR PARTS SHIPPED WITH ENGINE

	P/N	S/N	NEW/OHC	TSO
ALT/GEN	N/S		N/O TT	
STARTER	M24222R	640000020	N/O TT N/A	-0-
L MAG / DUAL	10-682560-13	I2691026R	N/O TT -0-	-0-
R MAGNETO	N/A		N/O TT	TSO
CARB / SERVO /	RSA10ED2	77733	N/O TT -0-	-0-
THROTTLE & CONTR	RG9080J6A	D-2570	N/O TT -0-	-0-
FUEL PUMP	N/A		N/O TT	TSO
FLOW DIVIDER	N/A		N/O TT	TSO
FUEL REGULATOR	N/S		N/O TT	TSO
TURBOCHARGER			N/O TT	TSO
CONTROLLER			N/O TT	TSO
CONTROLLER			N/O TT	TSO
PR VALUE			N/O TT	TSO
WASTEGATE	N/S		N/O TT	TSO
NOZZLE ASM				
SPARK PLUGS	R4B32E			
HARNESS	A51-1083			

COMMENTS: NONE

THESE COMPONENTS WERE REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND ARE APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

DATE: 10/17/91 W/O #: 92918 AUTHORIZED SIGNATURE: [Signature]

DATE 11/15/02	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						
						(continued) Alternator pn ALY-6522 sn G083127 overhauled by Kelly Aerospace Power Systems approval #UT2R226L. Bendix fuel injector RSA10ED2 pn 2524791-6 sn 77733 overhauled by Airflow Performance Inc. FAARS #X9PR865N WO #3979 on 11/15/06. Camshaft reground by Aircraft Engine and Accessory Co. Inc. FAARS #U11R533K, WO #142562. All hydraulic valve lifters were inspected, reground and cleaned by Aircraft Specialties Service FAARS #DD2R74K, WO #153380. Crane Lear Romet fuel pump pn RG9080J6A/M sn B-551 was overhauled and modified by B&S Aircraft Parts and Accessories, Inc FAARS #NE2R028L wo #R06-01669, reference Crane Lear Romet manual RG9080 series revision #3, 1/6/95; SB RG9080-73-001 revision #3, 7-28-03; SB #539A, 11-22-00; and complies with AD 2003-14-03(a). Harrison oil cooler pn 85353111 sn 80A-1541 overhauled by Pacific Oil Cooler Service, Inc FARS RF3R813L wo #56868 in accordance with Harrison Spec. HES-62-77F. Ignition harness overhauled by Aero-Lite FAARS AE3R368L wo #6K974 in accordance with Skytronics Inc. PMA Manufacturing Procedure #10 Rev. H dated 11-08-04. Hartzell propeller governor pn F-4-11BZ sn D374UJ completely disassembled, cleaned, inspected, resealed, bench tested and set I.A.W. Hartzell 130B, Rev 7 11-03 by Santa Monica Propeller Service Inc. FAARS ZY2R362L wo #G-210-06. Complied with SB 240S (mandatory parts replacement at overhaul) by installing the following new parts: oil filter bypass spring/spacer/sleeve/valve, oil filter converter plate gasket, all pipe plugs and prop governor idler gear setscrew, all standard main and rod bearings, all LW-12596 connecting rod bolts and nuts, oil pump #05K23463 with "N" impeller gears pn 51C23290 and 51B23274, all rocker shaft pn AEL72626; oil pressure relief spring pn 61084 and ball, tachometer shaft, all cylinder head drain tubes and interconnect hoses, vernatherm valve, magneto drive cushions, all gaskets, seals, induction hoses, clamps and tach drive snap ring. Installed new oil sump baffle plate. Complied with AD 02-12-07 by installing 06B23072 oil filter converter plate gasket and vibro-peening "543" on the converter plate in accordance with SB 543B. (continued)
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

	TACHOMETER READING	INSPECTION REFERENCE DATA
<p>by Kelly Aerospace Power Systems approval 77733 overhauled by Airflow Performance Inc. by Aircraft Engine and Accessory Co. Inc. FAARS ected, reground and cleaned by Aircraft Specialties ec fuel pump pn RG9080J6A/M sn B-551 was c FAARS #NE2R028L wo #R06-01669, reference RG9080-73-001 revision #3, 7-28-03; SB #539A, r pn 85353111 sn 80A-1541 overhauled by Pacific ance with Harrison Spec. HES-62-77F. Ignition 974 in accordance with Skytronics Inc. PMA ill propeller governor pn F-4-11BZ sn D374UJ ed and set I.A.W. Hartzell 130B, Rev 7 11-03 by 10-06. Complied with SB 240S (mandatory parts l filter bypass spring/spacer/sleeve/valve, oil filter tscrew, all standard main and rod bearings, all LW- V" impeller gears pn 51C23290 and 51B23274, all ball, tachometer shaft, all cylinder head drain tubes all gaskets, seals, induction hoses, clamps and tach with AD 02-12-07 by installing 06B23072 oil filter e in accordance with SB 543B. (continued)</p>		
<p>alterations must be endorsed by a certificated nyc with name, rating and cert. no.</p>		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
11/5/07	<p>(continued) Assembled engine using the Avco Lycoming Direct Drive Overhaul Manual, Table of limits #SSP1776 and IPB #PC-315-5 rev. 12-96 as a guide. Used SI 1343A as a guide to secure propeller idler shaft set screw; used SI 1060J to maintain proper .028-.080 inch dry tappet clearance; used SI 225B to install proper rocker arm thrust washers; used SI 1324A as a guide to install crankshaft oil seal; use SI 1059B as a guide to pre-lubricate internal engine parts prior to assembly; used SI 1029D as a guide to tighten thru-studs and bolts. Installed magneto with new capacitor assemblies, and timed to engine. Installed new air conditioner compressor assembly pn 101173-006 and new inlet and outlet air conditioner hoses from compressor-to-firewall certified and supplied by PHT Inc. Tulsa, OK. Installed new alternator and air conditioner drive belts pn 73965-009 and 73695-010. Kelly Aerospace Turbocharger pn 406610-9026 sn JBO152 overhauled by Approved Turbo Components, Inc. FAA certificate #O7TR2100 W.O. #27306 in accordance with Kelly Aerospace Ovhl. Manual P/N 400600-0000 and including all new heat blankets/shields installed. Garrett P.R. Valve pn LW14445-10 sn JAO110 also overhauled by Approved Turbo Components, Inc. wo #27307 in accordance with Control System Ovhl. Manual #TP20-0129/TP30-4003. Installed new TIT exhaust probe pn 2S-86230. Installed and rigged new waste gate control cable pn LW-16019. Exhaust system repaired by Knisely Welding, Inc FAARS #NJ3R712L under WO # 124163 which included new left and right stack assemblies, new tailpipe, new wastegate elbow. Wastegate/transition pn LW16858 overhauled by Aerospace Welding Minneapolis, Inc. FAARS #UWDR792L wo 100459. Complied with SB448A by setting waste gate gap at full power. Complied with SB 484 and AD 91-21-01R1 by inspection of exhaust system. Installed three new fuel injector lines pn AEL12098-100 and AEL12098-170 and one serviceable injector line at cylinders #2, #4, #5, & #6. Installed all new injector line clamps and inspected in accordance with AD 02-26-2001, SB#342E, and SI #1301A. Installed new SCAT aeroduct to cabin heat, defroster, and blast tubes. Fabricated two new inter-cylinder baffles above #3 and #4 cylinder rocker covers, fabricated new lower rear and side engine baffles and turbo baffle. (continued)</p>

DATE 11/15/07	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	<p>(continued) All fuel and hoses in the engine compartment, including the oil cooler hoses were cleaned and reinstalled with 11.29 hours TIS (see logbook entry 10/01/04). Reinstalled vacuum pump with 168.22 hours TIS (see logbook entry 03-13-02). Installed new vacuum hose from vacuum pump to firewall. Reinstalled engine with all new Lord shock mounts pn J3804-40 and new attach bolts and nuts. Serviced engine with 12 quarts Chevron 100 mineral oil and installed CH48103 filter. Installed new Brackett air inlet filter. Test run and test flew aircraft. Kelly Aerospace SB #23 used as a guide to perform turbocharger system operational test. Set idle rpm and mixture. Next engine overhaul due in 1800 hours, or 4966 hours TIS per SI 1009AR. I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition. Tom Regier [REDACTED]</p> <p style="text-align: right;">11/15/07</p>					
	<p>January 1, 2008 Tach/ TT: 3175 Drained engine oil and inspected filter with no metal found. Added 12 quarts Chevron 100 straight mineral oil and installed new CH48103-1 oil filter. Removed turbo scavenge pump and reinstalled after resealing by Lycon Engine Repair. Tom Regier [REDACTED]</p>					
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

BSVITH AIR
4557 S. Frankwood Ave.
Reedley, CA 93654
559-859-0374
ENGINE

N588ET Model: **TIO-540-S1AD** S/N: **L5741-61A**
Tach: **3380.76** TT: **3380.76** SMOH: **212.76** STO: **N/A**

Changed engine oil, 12 qts. Aeroshell 100 Plus. Replaced CH4103-1 filter and cleaned screens. Cleaned and gap spark plugs. Set mag timing. Checked compressions #1 76, #2 76, #3 73, #4 78, #5 77, and #6 79. Replace 99072-00 pulley, 553-230 bolt, 62833-82 shims, 95061-151 bushing, BA-7 air filter, Operated engine and leak checked. All work performed IAW current FARs and manufactures maintenance manuals. The above work and engine has been inspected in accordance with an Annual inspection and engine was determined to be in airworthy condition, and is approved for return to service. AD compliance report attached to aircraft permanent records. Return to service.

Carl E. Smith IA

Signature.

Date: September 14, 2011

	:	:	:
	:	:	:
TOTALS	:	:	:

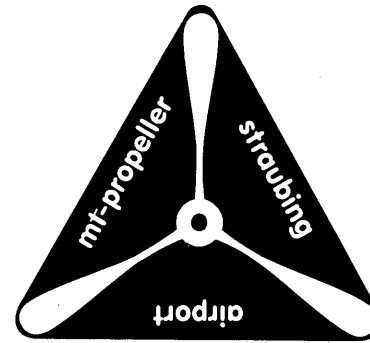
All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

[illegible]

alterations must be endorsed by a certificated agency with name, rating and cert. no.

DATE | MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS

2-14-2012 N588ET PA32-301T S/N 32-8024044 TACH: 3405.3
REPLACED VACUMME PUMP WITH NEW TEMPEST
AA3215CC S/N 814217. INSTALLED NEW VACUMME FILTER
AND RELEIF FILTERS. OP CHECKED SYSTEM OK. REPLACED
ES-48103-2 OIL FILTER WITH NEW UNIT. DID NOT REPLACE
OIL. REPLACED COPILOT SEAT LINKAGE ROD P/N 763422-00.
OPERATIONAL CHECK OF SEAT OK. REPLACED G-35
BATTERY WITH NEW UNIT. TOP CHARGED AND INSTALLED.
GROUND RUN UP AND LEAK CHECK OK. RAY HARKINS AP
[REDACTED] ...END [REDACTED]



mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

EASA DE.21G.0008 / EASA.21J.020

MTE - 1198
Juni 2005

Owner Name _____

Address _____

Propeller Model MTV-9-B

Blade Model 198-52

Hub Serial No. 070-165

Blade Serial No. 1	<u>YB-29-109</u>	Propeller Diameter:	<u>798</u> cm \pm <u>0.5</u> cm
2	<u>YB-29-110</u>	Low Pitch:	<u>135</u> $^{\circ}$ \pm <u>0.2</u> $^{\circ}$ TCI: <u>72</u> Month
3	<u>YB-29-111</u>	High Pitch:	<u>34</u> $^{\circ}$ \pm <u>1</u> $^{\circ}$ TBO: <u>1800</u> Hrs.
4	<u>/</u>	Feathering:	<u>/</u> $^{\circ}$ \pm <u>/</u> $^{\circ}$
5	<u>/</u>	Reverse:	<u>/</u> $^{\circ}$ \pm <u>/</u> $^{\circ}$
6	<u>/</u>	at radius station:	<u>74</u> cm

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
190307	00:00		Manufactured	
<p>DSM/HAIR 4557 S. Frankwood Ave. Reedley, CA 93654 559-859-0374 PROPELLER</p> <p>N588ET Model: MTV-9-B S/N: 070165 Blade model: 198-52 Blade S/N: YB-29109, YB-29110, TB-29111 Tach: 3380.76 TTSN: 212.76 SPOH: N/A</p> <p>I certify this propeller has been inspected in accordance with an Annual inspection as per FAR 43 Appendix D and is found to be in an airworthy condition. AD compliance report attached to aircraft permanent records. Return to service.</p> <p>Carl E. Smith IA [Redacted]</p>				
Signature: [Redacted]				Date: September 14, 2011
Factory Service Bulletins On Pages 11 & 12				

REVISED WEIGHT AND BALANCE FORM

--Equipment Change--

Revision Date: January 1, 2008

Supersedes weight and balance supplement dated November 15, 2007

Aircraft Information

* Make/Model: Piper PA32-301T
* Serial: 32-8024044
* Registration: N588ET

Maximum Ramp Weight: 3617 pounds

Maximum Takeoff or Landing Weight: 3600 pounds

New Empty Weight: 2277 pounds

New Useful Load: 1340 pounds

New EWCG: +83.77 inches

<i>Equipment Added/Removed</i>	<i>Weight</i>	<i>Arm</i>	<i>Moment</i>
Aircraft: Revision dated 11/15/2007	+2289.68	+ 83.9	+192109.77
Remove II Morrow 612 Loran	- 3.8	+ 68.5	- 260.3
Remove CI-121SP Antenna/Preamp	- 1.0	+ 97.5	- 97.5
Remove KX170/Mac 1700 Transceiver	- 7.3	+ 61.6	- 449.68
Remove KI-203 Indicator	- 1.7	+ 65.5	- 111.35
Remove KY-197 Transceiver	- 4.2	+ 63.7	- 267.54
Remove KNS-80 Rnav	- 7.0	+ 62.3	- 436.1
Remove KR-87 ADF	- 3.2	+ 61.8	- 197.76
Remove KI-227 ADF indicator	- .7	+ 65.55	- 45.89
Remove KA-44B ADF antenna	- 4.2	+192.75	- 809.55
Remove KMA 24 audio panel	- 1.7	+ 60.4	- 102.68
Remove Apollo GX-50 GPS	- 1.0	+ 61.7	- 61.7
Remove MD-41 annunciator/switch unit	- .75	+ 64.65	- 48.49
Remove A-33 GPS antenna	- .25	+ 87.4	- 21.85
Add GNS 430W Nav/GPS/Com/WAAS	+ 6.2	+ 62	+ 384.4
Add GNS 530 Nav/GPS/Com	+ 8.6	+ 62	+ 533.2
Add GA 56 GPS antenna	+ .25	+ 91	+ 22.75
Add GA 35 GPS/WAAS antenna	+ 1.0	+100	+ 100
Add GMA 340 audio panel	+ 1.7	+ 64	+ 108.8
Add Mid-Continent MD-200 indicator	+ 1.4	+ 65	+ 91
Add PCD7100P CD/MP3 player	+ 2.2	+ 63.4	+ 139.48
Add JPI EGT-701 Temp. Indicator	+ 3.2	+ 65	+ 208
Total	+2277.43	XXX	+190787.01

Performed by: 

Tom Regier AP 

Certificate Number: 

Professional Pilots Inc.
12304 West 165th Avenue
Lowell, IN 46356


FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

For
Piper Model PA-32-301T
NORMAL CATEGORY ONLY

Reg. No. N588ET
Ser. No. 32-8024044

This supplement must be attached to the FAA Approved Airplane Flight Manual dated January 9, 1980 when a MT-Propeller MTV-9-B/198-52 constant speed propeller is installed. The information contained herein supplements or supercedes the basic manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this supplement, consult the basic airplane flight manual.

Approved: 
Charles L. Smalley, Manager, Systems and Flight Test Branch
Chicago, Aircraft Certification Office

1. GENERAL:

1.5 Propeller

3 Blade Propeller

(a) Number of propellers	1
(b) Propeller Manufacturer	MT-Propeller
(c) Blade Model	198-52
(d) Number of blades	3
(e) Hub Model	MTV-9-B
(f) Propeller diameter (centimeters)	
(1) Minimum	193
(2) Maximum	198
(g) Propeller type	Constant speed, Hydraulically actuated

2. LIMITATIONS:

2.7 Power Plant Limitations

3 Blade Propeller

(a) Number of engines	1
(b) Engine manufacturer	Lycoming
(c) Engine model number	TIO-540-S1AD
(d) Engine operating limits	
(1) Maximum Horsepower	300
(2) Max. Rotation Speed (RPM)	2700
(3) Max Oil Temperature (F)	245
(e) Oil Pressure	
(1) Minimum (red line)	25 PSI
(2) Maximum (red line)	100 PSI
(f) Fuel Flow / Pressure	
Maximum (red line)	35 gal/hr; 14 PSI

FAA Approved: 1192 FEB 2007 (1)

(g) Fuel (Minimum Grade)	100 Green, or 100LL Blue aviation grade
(h) Number of propellers	1
(i) Propeller manufacturer	MT-Propeller
(j) Propeller hub and blade model	MTV-9-B 198-52
(k) Propeller diameter (centimeters)	
Minimum	193
Maximum	198
(l) Blade angle limits	
Low pitch stop	12.4 +/- 2 degrees
High pitch stop	32.0 +/- 1 degrees

ALL OTHER SECTIONS UNCHANGED

FAA Approved: 12 FEB 2007

(2)



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Piper	Model PA-32-301T
	Serial No. 32-8024044	Nationality and Registration Mark N588ET
2. Owner	Name (As shown on registration certificate) Tom W. Regier	Address (As shown on registration certificate) [REDACTED] Dinuba, CA 93618

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized on FAR Part 43, Section 43.7

SDN ESDD 10/18/2007 [REDACTED]

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Brian H. Sutton [REDACTED]	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. [REDACTED]
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse of attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date January 4, 2007	Signature of Authorized Individual [REDACTED]
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		
Date of Approval or Rejection 10-22-2007		Certificate or Designation No. [REDACTED]	Signature of Authorized Individual [REDACTED] Tom REGIER	

Continuation
N588ET
January 4, 2007

8) Diagrams:

Not applicable.

9) Special Inspection Requirements:

No Change. See MT-Propeller Operation and Installation Manual E-124 for details. Special inspections are required following events such as overspeed, lightening strike, foreign object / ground strike, or fire / heat damage. See manual for complete list and details.

10) Application of protective treatments:

No Change. See MT-Propeller Operation and Installation Manual E-124 for details.

11) Data:

No Change. See MT-Propeller Operation and Installation Manual E-124 for all details relative to proper torque values.

12) List of Special Tools:

Not applicable.

13) Commuter category aircraft:

Not applicable.

14) Recommended overhaul periods:

See MT-Propeller Operation and Installation Manual E-124 for details. MT-Propeller currently recommends overhaul every 1800 hours of operation, or 72 calendar months, whichever comes first.

15) Airworthiness limitations section:

No additional airworthiness limitations.

16) Revision:

This ICA may be revised by submitting a letter to the local FSDO along with a revised FAA Form 337, and ICA for consideration.

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