

Bill To

Steve Swensen
 1725 E. 1450 S
 Suite 345
 Clearfield, UT 84015

Work Order

Date	WO#
12/10/2021	35682

Registration Number	Terms	Due Date	Make & Model	Hobbs Time
N411R	Due on receipt	12/10/2021	Meridian	1265.0

Item	Qty.	Service & Part Number Description	Price Each	Amount
		1. Annual inspection, event 1 & 2 of MM. 2. Replaced ELT battery and tested. 3. Replaced L & R brake discs. 4. Replaced L & R brake pads. 5. Resealed L & R brake calipers and bled system. 6. Replaced LH main tire. 7. Replaced LH INBD wheel bearing and cup. 8. Checked prop deice system. 9. Replaced 1 GE327 bulb in nose gear green socket. 10. Cleaned and resealed upper edge of LH deice boot. 11. Replaced vacuum regulator filter. 12. No recurring AD's due at this time. 13. CW ICA's dated 11-08-19 G950, 12-07-2020 climate control system, 12-07-2020 MD-302. 14. Replaced engine fuel pump filter. 15. Cleaned engine oil screen.		

NOTE: There is a credit card fee of 3% on all cards used to pay work orders or invoices over \$5000.

Terms & Conditions:
 *A default charge of 18% per month will be applied on accounts past 30 days.

Subtotal
Sales Tax (6.65%)
Total
Payments/Credits
Balance Due

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Item	Qty.	Service & Part Number Description		Price Each	Amount
AD Search	1	Ad Search		50.00	50.00T
164-07800	2	Brake Disc (Meridian)		294.50	589.00T
452-0130	1	ELT battery 110-4		374.33	374.33T
13889	1	Cone-Bearing		55.77	55.77T
13836	1	Cup-Bearing		38.11	38.11T
66-62	8	Brake Lining		29.10	232.80T
MS28775-222	4	"O" Ring (SS)		1.07	4.28T
GE-327	1	Bulb		1.40	1.40T
PT6-100-FW	1	100HR Inspection Kit		44.55	44.55T
B3-5-1	1	Foam Filter		5.20	5.20T
600x6 8ply	1	Tire		351.00	351.00T
Freight	1	Freight		15.50	15.50
Labor	53	Labor Description		88.00	4,664.00T
Shop Supplies	1	Shop Supplies		30.00	30.00T

NOTE: There is a credit card fee of 3% on all cards used to pay work orders or invoices over \$5000.

Terms & Conditions:
 *A default charge of 18% per month will be applied on accounts past 30 days.

Subtotal	\$6,455.94
Sales Tax (6.65%)	\$428.29
Total	\$6,884.23
Payments/Credits	\$0.00
Balance Due	\$6,884.23

Tiffin Air Inc Aircraft Status Sheet
 N Number 45FF
 Aircraft Make Piper

Model PA-46-500TP Serial Number 4697241

MFG 2006

Date 07/29/19

Notes Time 960.2 Total Time 960.2

	Task	Completed		Interval		Due		Remaining		Flag
		Time	date	hours	months	hours	Date	Hours	Months	
			04/01/18		12		04/01/20		8	
	Event 1	955.4		100		1055.4		95.2		
	Event 2	955.4		200		1155.4		195.2		
	Prop haul	955.4		50		1005.4		45.2		
	Wing struts	955.4		50		1005.4		45.2		
	Strut extension/leakage	955.4		50		1005.4		45.2		
	Nozzles	844.7		200		1044.7		84.0		
	Main battery replacement	828.9	11/13/15	5000	60	5829.9	11/16/20	4869.7	16	
	Main battery case check recurrent	895.4	04/01/19	200	3	1100.4	08/01/19	108.2	0	FLAG
	Replace battery top mount		04/01/19		12		04/01/20		8	
	Replace 50/20% annual usage	845.4	04/01/18	250	12	1095.4	04/01/20	94.2	4	
	Fixed O2 system	883.2		300		1183.2		223		
	Startgen clean/inspect	955.4		300		1255.4		295.2		
	Fuel purge system	955.4	04/01/18	400	24	1355.4	04/02/21	395.2	20	
	Prop test	955.4	04/01/18	400	12	1355.4	04/01/20	395.2	8	
	RGB scavenge screen	955.4		500		1455.4		495.2		
	Wing fuel strainers	955.4	04/01/19	500	24	1455.4	04/02/21	495.2	20	
	Wing fuel probe/wiring	955.4	04/01/19	500	24	1455.4	04/02/21	495.2	20	
	Upper main gear actuator bolt	955.4		500		1455.4		495.2		
	Ops check pressurization sys	955.4		500		1455.4		495.2		
	Landing gear warning flight check	955.4		500		1455.4		495.2		
	Fuel pump boost filter replacement	955.4		600		1555.4		595.2		
	Fuel sump filter replacement	828.5		600		1428.5		288.3		
	Fuel pump inlet screen	955.4		600		1555.4		595.2		
	Engine non D hose replacement	801.8	05/14/15	1000	60	1801.8	05/20/21	941.8	46	
	Startgen overhaul	955.4		1000		1955.4		995.2		
	Firewall inspection	955.4		1000		1955.4		995.2		
	tech generator overhaul	980.2		1000		1980.2		1000		
	replace main oil filter	955.4		1000		1955.4		995.2		
	P3 filter replacement	955.4		1000		1955.4		995.2		
	Flap roller/selenon hinge bolts	955.4		1000		1955.4		995.2		
	Flap track condition	885.4		1000		1885.4		995.2		
	Het section	0		1800		1800		639.8		
	Engine oil filter check	0		1800		1800		639.8		
	Alternator overhaul	917		2000		2917		1056.8		
	Detailed structure inspection	801.8	05/14/15	2000	64	2801.8	05/18/22	1841.0	34	
	FCU drive bearing replacement	980.2	07/25/18	3000	72	3980.2	07/29/25	3000	72	
	Hydraulic pack overhaul	955.4		3500		3955.4		2995.2		
	Fuel filter Assy. Overhaul	0		3500		3500		2538.8		
	Engine overhaul	0		3600		3600		2639.8		
	Prop overhaul	801.8	05/14/15	4000	72	4801.8	05/18/21	3841.8	22	
	Comm 2 Antenna antenna skin	542.4		9400		9942.4		6952.2		
	Comm 1 lower antenna skin	542.4		4000		4542.4		3582.2		
	Prop gov overhaul	601.8		4500		5101.8		4341.8		
	HTG gov overhaul	801.8		6500		7301.8		6341.8		
	Engine mount to firewall bolt replacement	0		7500		7500		6836.8		
Days	Standby power supply test		03/01/18		30		05/01/18		88	FLAG
Days	Main battery compartment		03/01/18		30		04/01/18		88	FLAG
Days	Prop engine test		04/01/18		30		05/01/18		88	FLAG
Days	Oil test		04/01/18		30		05/01/18		88	FLAG
	Hydraulic pump overhaul service		05/01/18		3		07/01/18		1	FLAG
	Prop hub overhaul service		04/01/18		1		07/01/18		1	FLAG
	Wing fuel usage r 402 hrs annually		04/01/18		8		04/01/19		1	
	Main O2 case service/amt		04/01/18		12		04/01/20		8	
	Airborne St 39A check valve filter		05/01/18		60		06/01/21		52	
	Airborne St 39A check valve recurrent		06/04/21		12		06/04/22		34	
	Airborne St 39A check valve replacement		08/31/10		120		08/08/28		62	
	Engine mount bolt inspection/replace		04/01/18		18		04/01/20		8	
	Wing system electrical		05/02/18		24		05/01/25		18	
	transmitter		04/02/18		24		03/23/25		10	
	Wing harness fix detector wiring		04/01/18		24		04/01/21		20	
	Hydrostat O2 cylinder		05/01/18		60		05/04/21		22	
	Fwd/lt wing spar to fuselage fitting		05/26/17		60		05/30/22		34	
	Fwd vert. Fin attach fitting		05/26/17		60		05/30/22		34	
	Elevator trim tab push rods		05/26/17		60		05/30/22		34	
	Fwd/lt horizontal attach fittings		05/26/17		60		05/30/22		34	
	ELT battery replacement		05/26/17		29		10/27/19		3	
	Pilot O2 mask overhaul		06/07/18		72		06/11/24		58	
	airframe hose initial system pressure test		05/01/18		120		06/08/28		67	
	airframe hose recurring system pressure test		05/11/21		60		05/04/26		82	
	Airframe hose replacement		02/10/08		240		02/26/26		78	
	Fixed O2 generator replacement		06/07/18		120		05/14/28		108	

REPAIR ENGINEERING ORDER



TITLE

EO NUMBER

REPAIR OF DAMAGED FASTENER INSTALLATIONS COMMON TO TAILCONE ASSEMBLY

PA-46-500TP(4697241)/01

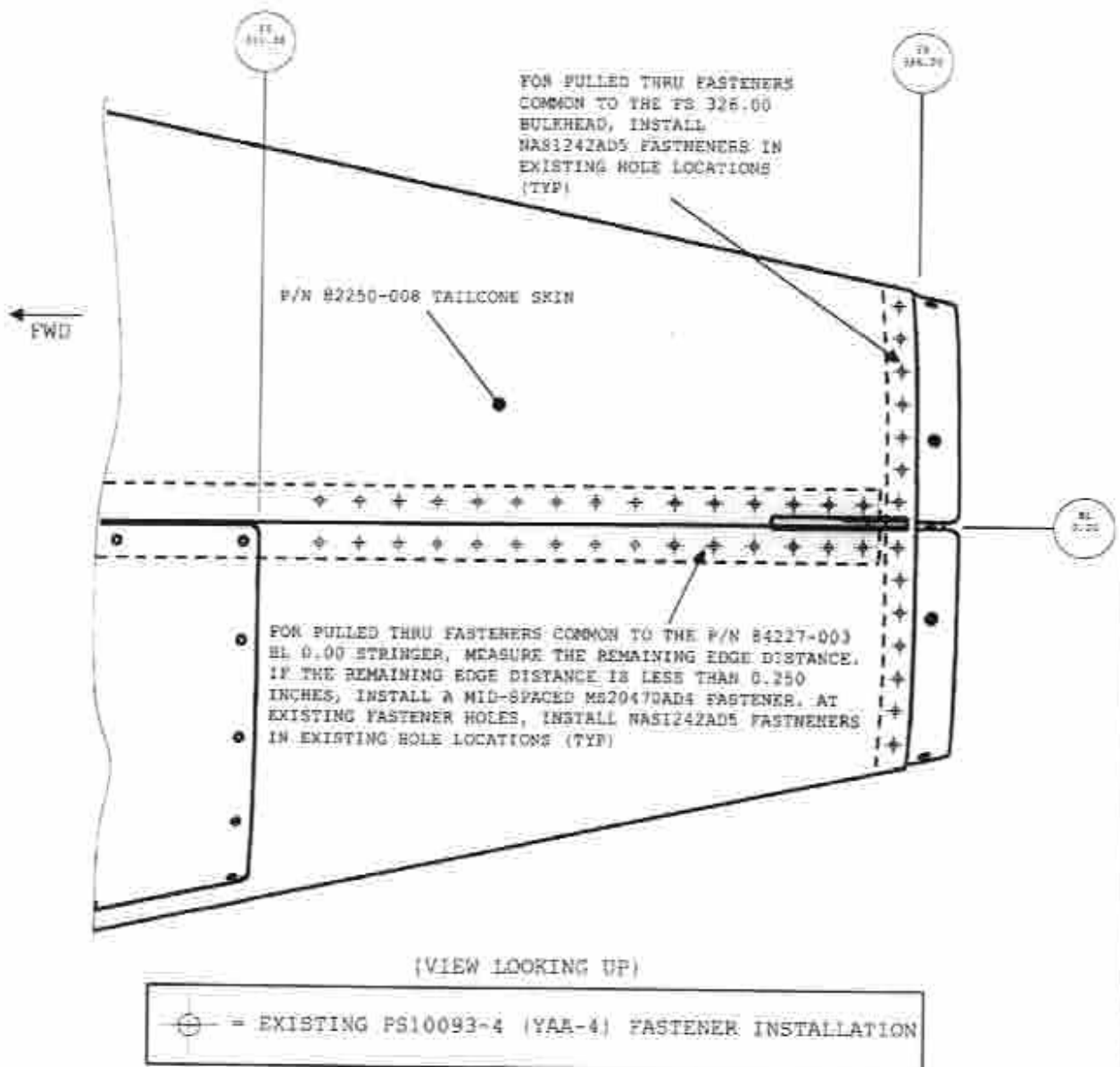


FIGURE 1: TAILCONE FASTENER REPLACEMENT

PIPER AIRCRAFT PROPRIETARY AND CONFIDENTIAL

REV: -

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U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL AVIATION ADMINISTRATION
STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS

FAA Project No. NA
 Piper Project No. Y12500

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE Piper Aircraft, Inc.	MODEL NO PA-46-500TP	TYPE (Aircraft, Engine, Propeller, etc.) Aircraft	NAME OF APPLICANT/AUTHORIZATION NO. Piper Aircraft, Inc. ODA-510620-CE
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LIST OF DATA

IDENTIFICATION	TITLE
REPAIR EO: PA-46-500TP(4697241)01 Rev. -	<p>NOTE: This Data approval is in support of Organizational Designation Project No. <u>Y12500</u> and is not valid for any other purpose or application.</p> <p>REPAIR OF DAMAGED FASTENER INSTALLATIONS COMMON TO TAILCONE ASSEMBLY</p> <p>NOTE:</p> <ol style="list-style-type: none"> 1) Only the structural engineering aspects of the above listed data are approved herein. This approval is only for the engineering data. It indicates the data listed above demonstrates compliance only with the regulations specified by paragraph and/or subparagraph listed below as "APPLICABLE REQUIREMENTS". 2) All aspects required for the repair are addressed. 3) Compatibility of this data with the aircraft configuration must be determined by the installer. 4) This approval is valid for aircraft model and serial number listed in the Purpose of Data block below. 5) Continued airworthiness instructions are not affected by this repair and remain unchanged. 6) Aircraft Data at time of repair approval: UNK Hours, UNK Landings.

Handwritten initials/signature

PURPOSE OF DATA
 To approve listed data for repair of damage to the tailcone assembly on Piper Aircraft Model PA-46-500TP, Registration Number N45FF (S/N 4697241).

APPLICABLE REQUIREMENTS (List specific sections)
 14CFR part 23.303, 23.307(a), 23.601, 23.603, 23.609, 23.613, and 23.627 thru amdt. 23-25.
 14CFR part 23.305 and 23.572(a)(1) thru amdt. 23-45.
 14CFR part 23.301(a) thru amdt. 23-48.
 All per TCDS A25SO, Rev. 31.

CERTIFICATION - As directed by the Administrator and in accordance with the conditions and limitations of authorization under 14 CFR, data listed above and on attached sheets numbered NA have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed.

Recommend approval of these data

I (We) Therefore: Approve these data

SIGNATURE(S) OF ENGINEERING ODA UNIT MEMBER(S)	NAME	CLASSIFICATION(S)	DATE
	Andrew Olson	Structures	21MAR2019

REPAIR ENGINEERING ORDER

**TITLE**

REPAIR OF DAMAGED FASTENER INSTALLATIONS COMMON TO TAILCONE ASSEMBLY

EO NUMBER

PA-46-500TP(4697241)/01

DESCRIPTION

Upon inspection, several fasteners common to the tailcone assembly at approximately FS 326 were noted to be pulled thru the skin.
The discrepant rivets are removed and replaced with oversized fasteners as described by this engineering order.

MODEL NO

PA-46-500TP

SERIAL NO

4697241

The following engineering data is FAA approved when accompanied by FAA form 8130-9 (showing Piper ODA approval) listing this Engineering Order and identifying the aircraft to be repaired. Refer to Piper Aircraft model specific service documentation for additional information.

INSTRUCTIONS:

READ AND UNDERSTAND ALL INSTRUCTIONS PRIOR TO BEGINNING THE REPAIR. REPORT ANY DISCREPANCIES OR DIFFICULTIES OF INSTALLATION OF THE DESCRIBED PROCEDURE PRIOR TO START OF THE REPAIRS SHOWN

NOTES:

1. Abrasive clean and epoxy prime per MIL-PRF-23377 or equivalent and apply per manufacturer's instructions.
2. Continued airworthiness inspections of the repaired area are to be conducted in accordance with the published model procedures. No changes to the published inspection procedures or specific timing are required by the installation of this repair.
3. If the location of damage/repair is not correct, contact Piper engineering with any corrections or deviations.
4. All units of measure are in inches unless otherwise noted.
5. Structural substantiation of this repair is maintained with Piper Aircraft, Repair Stress Notes PA-46-500TP(4697241)/01.

	PRINTED	SIGNED	DATE
ENGINEER	A. Olson		21MAR2019
CHECK	E. Wright		21MAR2019
APPROVE	A. Olson		21MAR2019

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REV: -

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