

**Mead Aircraft Services**

12931 West 151st Street
Suite B
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<https://www.meadaircraftservices.com/>

Estimate for RO #493

Service Advisor: Kevin Mead

Date Created: 12/23/21 at 09:51 AM -06

Client: N2445F Robert Ming

Vehicle: 2012 Piper PA46-500TP

N2445F Robert Ming Irvine, CA 92618 Phone: [REDACTED] Email: [REDACTED]	2012 Piper PA46-500TP PT6A-42A VIN: -4697480 License: N2445F Color: N/A Odometer In: N/A / Out: N/A	RO #493 Save Parts: No
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Client concerns:

- Annual Inspection
- Weather Radar doesn't seem to return any values.
- The plug cover on the A/C outlet installed between the pilot and co-pilot seats came off and needs to be put back on.

see notes

1 - Annual Inspection - Meridian**TECH: K Mead**

Labor:	Annual Inspection - Meridian	50.00 hrs
Parts:	KIT: SEAL,ENGINE,PT6 - AL-PT6-100	1
	OIL: TURBINE ENGINE,OIL - 238DOT	1
	Pneumatic Garter Filter - ARB3-5-1	1

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2 - Compressor wash with annual

Labor:	1.60 hrs
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3 - Nose gear down spring replacement.**TECH: R Acosta**

Labor:	Replace nose gear down spring.	1.20 hrs
Part	Down Spring - 687-931	1

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4 - Weather Radar doesn't seem to return any values.**TECH: K Mead**

Labor:	See IFR certification squawk.	0.00 hrs
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see #37

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5 - The plug cover on the A/C outlet installed between the pilot and co-pilot seats came off and needs to be put back on.**TECH: R Acosta**

Labor:	0.40 hrs
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6 - Both center seat headrest internal supports are broken.

Note: No parts required was able to repair original supports

TECH: R Acosta

Labor:	1.30 hrs
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7 - Both lower door support covering is split open and cables are frayed.

TECH: R Acosta

1.20 hrs

Labor:

2

Part: Door Cable Slate Gray - BIPP-314-30-0405R

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8 - O2 bottle is low requires servicing.

TECH: R Acosta

0.50 hrs

Labor:

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9 - Both igniters worn out

TECH: J Phillips

0.00 hrs

Labor: NO CHARGE

2

Parts: GASKET: IGNITER, - 3010880

2

IGNITER: IGNITION,ENGINE, PT6A - CH34055

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10 - LH igniter lead has low tension

TECH: J Phillips

0.90 hrs

Labor:

1

Part: Ignition Lead Meridian - CH53399-02

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11 - Loose roll pin on pilot seat structure

TECH: R Acosta

Note: Corrected and safetied.

0.20 hrs

Labor:

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12 - Co-pilot side drain cover partially detached causing the pitot drain to be partially depressed on arrival. Re-attach.

TECH: R Acosta

0.30 hrs

Labor:

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13 - LH aft seat fold lever inop.

TECH: R Acosta

0.20 hrs

Labor:

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14 - Hydraulic fluid in belly below panels. Needs cleaned.

TECH: R Acosta

0.50 hrs

Labor:

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15 - Aft bench seat forward support angle is cracked.

TECH: R Acosta

2.20 hrs

Labor:

1

Part: ANGLE: BENCH BACK SEAT SUPPORT - 89989-019

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16 - AC and Alternator drive belts cracked		TECH: J Phillips
Labor:	1.20 hrs	
Parts:	1	
BELT; - 73965-023		
BELT; - 73965-024		
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17 - Hydraulic brake reservoir o-ring cracked		TECH: J Phillips
Labor:	0.30 hrs	
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18 - LH propeller de-ice brush block to be adjusted		TECH: J Phillips
Labor:	0.30 hrs	
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19 - Left and right main gear struts are leaking hydraulic fluid		TECH: R Acosta
Labor:	4.20 hrs	
Part:	2	
RING: SEALBACKUP - 485-082		
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20 - Perform 1 year emergency power supply capacity checks		outside services?
Labor:	0.50 hrs	
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21 - Perform FAR 91.207 (d) battery due date April 2025 Hex ID ADCC40ADF800315		TECH: J Phillips
Note: C/W	0.60 hrs	
Labor:		
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22 - Inspected fire extinguisher. Weight check OK. MFR date 2015 Amperes model A344, S# B-10804766		TECH: R Acosta
Note: C/W	0.40 hrs	
Labor:		
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23 - Elevator and rudder cable tension low		TECH: R Acosta
Labor:	3.50 hrs	
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24 - Air conditioner recover 2.20 lbs. Vacuum checked OK. Serviced to 2.50 lbs of Freon		TECH: R Acosta
Note: C/W	0.70 hrs	
Labor:		
Part:	0.3	
R134A Refrigerant - R134A		
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25 - Possible oil contamination. Appears dirty.

TECH: J Phillips

Labor:		2.90 hrs
Parts:	ORING - M83248-1-115	1
	OIL: TURBINE ENGINEQT, - 2380QT	10

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26 - Perform 6 year FCU overhaul. Bearing washout. Blue dye visible

TECH: J Phillips

Note: Repair and calibrate in accordance with Honeywell GMM 73-20-35 Rev 1 (02/90).
Comply with Honeywell SB# DPF2-73-3R3 (Customer declined)
Replace all rejected parts.
Replace all 100% items per CMM.
Fuel Control returned to service in "Repaired" condition.

Labor:		6.60 hrs
Part:	HONEYWELL FCU - 4138014-1	1
Fee:	Freight Charge	

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27 - 8 year engine and hydraulic and oil hose replacement

TECH: R Acosta

Labor:		4.50 hrs
	Hose kit	1.00 hrs
Parts:	HOSE: FLEXIBLE ASSEMBLY, - 111F504-4S0125	1
	HOSE: ASSEMBLY, - 111F502-4S0216	1

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28 - Ship battery capacity check. Tests at 85%. past due for recommended 5 year replacement

TECH: J Phillips

Labor:	Remove battery preform capacity check	1.50 hrs
Parts:	CONCORDE STC - SA01050DE	1
	HIGHER CAPACITY BATTERY W/ SA01050DE STC - RG41-53	1

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29 - 1,000 hr starter/generator overhaul

TECH: P Dubon

Note: PC Board on brush block had a broken lead.

Labor:		2.00 hrs
Parts:	STARTER GENERATOR OVERHAUL - 200SGL145Q	1
	BOARD ASSEMBLY - BOARD ASSEMBLY	1
Fee:	Freight Charge	

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30 - Perform 400 hr fuel purge system filter cleaning

TECH: P Dubon

Labor:		0.30 hrs
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31 - Perform 1,000 hr oil filter replacement

TECH: J Phillips

Labor:	No charge	0.00 hrs
Part:	ELEMENT: LUBE OIL,PT6, OIL FILTER - 1761864	1

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32 - Perform 1,000 tach generator replacement

TECH: J Phillips

Labor:		2.80 hrs
Parts:	OVERHAULED TACH GENERATOR - 32005-007	1
	OVERHAULED TACH GENERATOR - 32005-007	1
Fee:	Freight Charge	

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33 - perform 2,000 hr alternator overhaul

TECH: P Dubon

Labor:		1.70 hrs
Part:	2000 HOUR ALTERNATOR OVERHAUL - ES4019-1	1

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34 - C/W Piper SB 1272 Elevator spar inspection

TECH: R Acosta

Labor:		0.30 hrs
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35 - C/W Piper SL 1297 Rudder tube assy inspection

TECH: R Acosta

Labor:		0.50 hrs
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36 - C/W Piper SL 1286c Nose steering components inspection

TECH: P Dubon

Labor:		0.40 hrs
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37 - IFR certification, perform 2 year altimeter and static system check, Weather Radar doesn't seem to return any values.

TECH: K Mead

Labor:	Outside service	0.00 hrs	\$0.00
Parts:	Pitot Static and Transponder Certification - IFR CERT	1	
	GWX68 - 011-00883-00	1	
	Labor - Outside Service	1	

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RO Fees

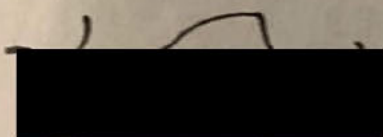
Fee:	Shop Supplies
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Subtotal

In the event of denial of a warranty claim by the warranty vendor, the customer agrees to pay all invoices as presented. In the event of denial of core charges by the parts vendor, the customer agrees to pay additional parts cost as presented. MAS warranty covers only repairs or replacement made due to defects in material or workmanship. MAS will not cover any time loss, inconvenience, loss of aircraft time, and/or consequential damage. MAS will not cover labor for any warranty item unless the vendor covers labor under their warranty agreement and is reimbursed per the agreement.

3% handling fee applies for credit card orders. [REDACTED] check fee for all returned parts. Thank you for your Business.

Total Repair Order & Signature:



X

Total Labor:
Total Parts:
Total Fees:
Subtotal:
Grand Total:
BALANCE DUE:

Declined Jobs:

1 - Significant amount of Velcro detached from cockpit carpet.

X Declined on 01/09/22 at 01:35 AM -06

2 - Cabin windows decorative sealant in poor condition.

X Declined on 01/09/22 at 01:35 AM -06

3 - Perform 2 year / 500 hr fuel sender unit and screen inspection

X Declined on 01/09/22 at 01:35 AM -06

4 - Perform 2 year magnetometer calibration checks

X Declined on 01/09/22 at 01:35 AM -06

5 - 6 year O2 mask overhaul

X Declined on 01/09/22 at 01:35 AM -06

6 - 7 year fuselage structure inspection

X Declined on 01/09/22 at 01:35 AM -06

7 - 10 year Check Valve replacement Meridian

X Declined on 01/09/22 at 01:35 AM -06

8 - 10 year chemical O2 generator replacement

X Declined on 01/09/22 at 01:35 AM -06

9 - 400 hr alternator brush and bearing replacement

X Declined on 01/09/22 at 01:35 AM -06