

Example Mx Shop

Service Order 25887: Example Customer

- Completed -

Opened: 08/27/09 13:58

LKR Level: 0

Completed: 01/26/10 13:29

General Information			
Registration No.:	N99999	Airframe Serial No.:	T18208141
Make and Model:	CESSNA T182T	FAA Type:	
Engine 1 Type:	TIO540AK1A	Engine 1 Serial No.:	L-11171-61A
Engine 1 Total Time:	1442.0	Engine 1 SOH:	
Propeller 1 Type:	B3D36C442	Propeller 1 Serial No.:	020481
Propeller 1 Total Time:	1442.0	Propeller 1 SOH:	
Tachometer 1 - Current:	1442.00	Tachometer 1 - Total:	1442.00
Hobbs Meter - Current:	1601.50	Hobbs Time - Total:	1601.50
Total Time Airframe:	1442.00		
Service Description:	Annual Inspection		

Discrepancy Summary			Labor	Parts
#	Approval	Partial Description	Est / Quote	Estimate
1	Approved	Annual inspection due	1200.00 Q	0.00
2	Approved	Customer request replacing Camloc cowl fasteners (locking	90.00 E	201.25
3	Approved	Fuel stain below servo drain.	30.00 E	2.00
4	Approved	Check TIT operation.	0.00 E	0.00
5	Approved	Comply with AD 2008-14-07 Fuel injector lines.	30.00 E	0.00
6	Approved	Comply with AD 2009-02-03 Servo plug gasket.	30.00 E	0.00
7	Approved	Right wheel pant attach bracket cracked.	180.00 E	145.00
8	Approved	Tail beacon inop.	30.00 E	34.58
9	Approved	ELT battery due replacement 10/2009.	30.00 E	34.58
10	Approved	Tail pipe turbo clamp not safetied.	30.00 E	0.00
11	Approved	All rocker box cover gaskets leaking.	120.00 E	68.00
12	Approved	Crack at right hand muffler to shroud attach.	0.00 E	0.00
13	Approved	Intake hoses deteriorated and leaking.	165.00 E	57.00
14	Approved	Fire sleeve on oil hose below turbo brittle and burned.	60.00 E	40.00
15	Approved	Right hand main tire flat spot.	90.00 E	230.00
16	Approved	Pro deice boots need resealed.	75.00 E	0.00
17	Approved	Brake reservoirs low.	30.00 E	0.00
18	Approved	Vacuum filter dirty.	30.00 E	5.00
19	Approved	Comply with AD 2008-26-10 Static port obstruction.	0.00 E	0.00
Total Estimate: 3037.41			2220.00	817.41

Discrepancy #1 Detail	
Description:	Annual inspection due
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Compression check chat with Dan ; Pre-inspection run. Removed cowling. Drained oil.; R&R filter with CH48110-1. Inspected old filter for metal- no metal found. Serviced with 8 Qts. 15W-50 oil.; AD research, open and inspect. ; Airframe Inspection; Data entry; Data entry.; Reinstall tailcone, fairings, contacted customer for squawk approval and ordered parts. ; Reinstalled wheel fairings. Data entry. ; Ordered parts.; Washed engine, ground ran, and reinstalled cowling.; AD research/logbooks.; Kemmer-washed airplane. ; Data entry. ; Insp. C/W
Labor Detail:	[0.50] Howell - Compression check chat with Dan [0.86] MILLERJ - Pre-inspection run. Removed cowling. Drained oil. [0.00] MILLERJ - R&R filter with CH48110-1. Inspected old filter for metal- no metal found. Serviced with 8 Qts. 15W-50 oil.

	<p>[5.12] Howell - AD research, open and inspect. [4.33] MILLERJ - [3.44] Howell - Airframe Inspection [0.20] Howell - Data entry [0.25] Howell - Data entry. [2.29] MILLERJ - Reinstall tailcone, fairings, contacted customer for squawk approval and ordered parts. [4.59] MILLERJ - [1.04] MILLERJ - Reinstalled wheel fairings. Data entry. [0.90] MILLERJ - Ordered parts. [2.25] MILLERJ - Washed engine, ground ran, and reinstalled cowling. [3.50] Howell - AD research/logbooks. [1.50] Laubscher - Kemmer-washed airplane. [0.75] MILLERJ - Data entry. [0.00] Howell - Insp. C/W</p>	Total labor hours: 31.52
Parts Detail:	<p>(1) CH48110-1 Oil Filter (inv) - 24.81 (9) OIL 15W50 (inv) - 56.43</p>	Total parts cost: 81.24

Discrepancy #2 Detail		
Description:	Customer request replacing Camloc cowl fasteners (locking pins are loose making removal very difficult) Check on Skybolt kit availability and pricing.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Research P/Ns; Spoke with customer regarding cowl stud replacement. Customer elects to re-evaluate when airplane is brought in for inspection. ; Replaced all Camloc cowl fasteners on side cowlings. P/Ns 40S5-3S Qty (10), 40S5-4S Qty (10), 40S5-5S Qty (20), 40S5-7S Qty (2).; Insp. C/W	
Labor Detail:	<p>[0.52] MILLERJ - Research P/Ns [0.25] MILLERJ - Spoke with customer regarding cowl stud replacement. Customer elects to re-evaluate when airplane is brought in for inspection. [0.76] MILLERJ - Replaced all Camloc cowl fasteners on side cowlings. P/Ns 40S5-3S Qty (10), 40S5-4S Qty (10), 40S5-5S Qty (20), 40S5-7S Qty (2). [0.00] Howell - Insp. C/W</p>	
		Total labor hours: 1.53
Parts Detail:	<p>(10) 40S5-3S – 55.90 (10) 40S5-4S – 47.50 (20) 40S5-5S – 77.00 (2) 40S5-7S – 8.96</p>	Total parts cost: 189.36

Discrepancy #3 Detail		
Description:	Fuel stain below servo drain.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Disassembled valve.; Ordered valve from Eagle. Drop ship.; Installed sniffle valve. ; Insp. C/W	
Labor Detail:	<p>[0.25] Howell - Disassembled valve. [0.22] MILLERJ - [0.25] MILLERJ - Installed sniffle valve. [0.00] Howell - Insp. C/W</p>	
		Total labor hours: 0.72
Parts Detail:	<p>(1) LW13807 Valve drain – 258.61 (1) Maintenance Freight – 7.00</p>	Total parts cost: 265.61

Discrepancy #4 Detail		
Description:	Check TIT operation.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Checked TIT on pre inspection engine run. Operation/indications normal per POH.; Insp. C/W	
Labor Detail:	<p>[0.00] MILLERJ - Checked TIT on pre inspection engine run. Operation/indications normal per POH. [0.00] Howell - Insp. C/W</p>	
		Total labor hours: 0.00
Parts Detail:		Total parts cost: 0.00

Discrepancy #5 Detail	
Description:	Comply with AD 2008-14-07 Fuel injector lines.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	C/W AD2008-14-07 by inspection. No defects noted. Next due: Tach 1542.; Insp. C/W
Labor Detail:	[0.50] MILLERJ - C/W AD2008-14-07 by inspection. No defects noted. Next due: Tach 1542. [0.00] Howell - Insp. C/W <p style="text-align: right;">Total labor hours: 0.50</p>
Parts Detail:	<p style="text-align: right;">Total parts cost: 0.00</p>

Discrepancy #6 Detail	
Description:	Comply with AD 2009-02-03 Servo plug gasket.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Researched records. Fuel servo repaired in 2007 during applicable AD period and gasket P/N unknown AD applies. ; Removed servo plug and affected gasket. Installed new gasket P/N 2577258. Torqued and safetied per AD. Stamped servo plug "G" as per AD. ; Insp. C/W
Labor Detail:	[0.50] MILLERJ - Researched records. Fuel servo repaired in 2007 during applicable AD period and gasket P/N unknown AD applies. [0.50] MILLERJ - Removed servo plug and affected gasket. Installed new gasket P/N 2577258. Torqued and safetied per AD. Stamped servo plug "G" as per AD. [0.00] Howell - Insp. C/W <p style="text-align: right;">Total labor hours: 1.00</p>
Parts Detail:	(1) 2577258 (inv) - 2.95 <p style="text-align: right;">Total parts cost: 2.95</p>

Discrepancy #7 Detail	
Description:	Right wheel pant attach bracket cracked.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Removed attach bracket. Match drilled holes and installed. ; Touched up paint on rivet heads. ; Insp. C/W
Labor Detail:	[2.00] MILLERJ - Removed attach bracket. Match drilled holes and installed. [0.22] MILLERJ - Touched up paint on rivet heads. [0.00] Howell - Insp. C/W <p style="text-align: right;">Total labor hours: 2.22</p>
Parts Detail:	(1) 0741646-14 Bracket RH OB – 143.64 (1) Maintenance Freight – 10.00 (1) Third Party Charges – 10.00 <p style="text-align: right;">Total parts cost: 163.64</p>

Discrepancy #8 Detail	
Description:	Tail beacon inop.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Installed tail beacon bulb P/N 34-0041987-02 and operationally tested. ; Insp. C/W
Labor Detail:	[0.36] MILLERJ - Installed tail beacon bulb P/N 34-0041987-02 and operationally tested. [0.00] Howell - Insp. C/W <p style="text-align: right;">Total labor hours: 0.36</p>
Parts Detail:	(1) 34-0041987-02 – 34.58 (1) Maintenance Freight – 5.00 (1) Third Party Charges – 10.00 <p style="text-align: right;">Total parts cost: 49.58</p>

Discrepancy #9 Detail	
Description:	ELT battery due replacement 10/2009.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Replaced ELT battery P/N BP-1030 expires 12/2011. C/W 91.207D. ELT operation/G-switch/remote switch ops normal. ; Insp. C/W
Labor Detail:	[0.41] MILLERJ - Replaced ELT battery P/N BP-1030 expires 12/2011. C/W 91.207D. ELT operation/G-switch/remote switch ops normal. [0.00] Howell - Insp. C/W <p style="text-align: right;">Total labor hours: 0.41</p>
Parts Detail:	(1) BP-1030ELT Battery – 30.20 <p style="text-align: right;">Total parts cost: 30.20</p>

Discrepancy #10 Detail	
Description:	Tail pipe turbo clamp not safetied.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Safetied clamp. ; Insp. C/W
Labor Detail:	[0.25] Rummery - Safetied clamp. [0.00] Howell - Insp. C/W Total labor hours: 0.25
Parts Detail:	Total parts cost: 0.00

Discrepancy #11 Detail	
Description:	All rocker box cover gaskets leaking.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Installed new rocker gaskets P/N RG-75906; Insp. C/W
Labor Detail:	[1.50] Rummery - Installed new rocker gaskets P/N RG-75906 [0.00] Howell - Insp. C/W Total labor hours: 1.50
Parts Detail:	(6) RG-75906 Gasket – 52.68 (1) Maintenance Freight – 4.36 Total parts cost: 57.04

Discrepancy #12 Detail	
Description:	Crack at right hand muffler to shroud attach.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Removed exhaust crossover pipe, shroud and downpipes as necessary.; Look up parts; Removed turbo adapter and inspected.; Ship to Knisley; Reinstalled repaired exhaust using new 77611 gaskets. Reinstalled turbo adapter using new bolts and nuts as necessary. Installed muffler shroud, support, and clamp. ; Insp. C/W
Labor Detail:	[0.56] MILLERJ - Removed exhaust crossover pipe, shroud and downpipes as necessary. [0.30] Howell - Look up parts [1.12] MILLERJ - Removed turbo adapter and inspected. [1.00] Howell - Ship to Knisley [2.50] MILLERJ - Reinstalled repaired exhaust using new 77611 gaskets. Reinstalled turbo adapter using new bolts and nuts as necessary. Installed muffler shroud, support, and clamp. [0.00] Howell - Insp. C/W Total labor hours: 5.48
Parts Detail:	(1) Ship to Knisley – 154.00 (4) AN6C Bolts – 19.12 (4) AN363C Nut – 13.28 (1) Maintenance Freight – 6.36 (6) RA77611 Exhaust Gasket (inv) - 51.30 (1) Welding – 600.00 (1) Maintenance Freight to LKR – 173.00 Total parts cost: 1017.06

Discrepancy #13 Detail	
Description:	Intake hoses deteriorated and leaking.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Removed intake tubes, hoses, and gaskets. ; Cleaned intake tubes and installed using new gaskets P/N 71973 Qty (6) and hoses P/N 69603 Qty (6).; Insp. C/W
Labor Detail:	[1.35] MILLERJ - Removed intake tubes, hoses, and gaskets. [1.91] MILLERJ - Cleaned intake tubes and installed using new gaskets P/N 71973 Qty (6) and hoses P/N 69603 Qty (6). [0.00] Howell - Insp. C/W Total labor hours: 3.26
Parts Detail:	(6) Lyc Intake Hose 69603 – 46.62 (6) 71973 Gasket (inv) - 10.14 Total parts cost: 56.76

Discrepancy #14 Detail	
Description:	Fire sleeve on oil hose below turbo brittle and burned.
Status:	Customer Approval: Approved Work: Completed Inspection: Completed
Actions Taken:	Installed firesleeve over brittle section. P/N AEL102-12 and secured with firesleeve clamps. ;

	Insp. C/W	
Labor Detail:	[0.75] MILLERJ - Installed firesleeve over brittle section. P/N AE102-12 and secured with firesleeve clamps. [0.00] Howell - Insp. C/W	Total labor hours: 0.75
Parts Detail:	(1) AE102-12 Sleeve (inv) - 10.72 (2) 900591B-2C Clamp (inv) - 5.36	Total parts cost: 16.08

Discrepancy #15 Detail		
Description:	Right hand main tire flat spot.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Removed and replaced tire with Condor P/N 072-314-0 S/N 8021W00581. ; Insp. C/W	
Labor Detail:	[1.16] MILLERJ - Removed and replaced tire with Condor P/N 072-314-0 S/N 8021W00581. [0.00] Howell - Insp. C/W	Total labor hours: 1.16
Parts Detail:	(1) 072-314-0 Tire (inv) - 76.44	Total parts cost: 76.44

Discrepancy #16 Detail		
Description:	Pro deice boots need resealed.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Repainted/Sealed prop boots. ; Insp. C/W	
Labor Detail:	[1.66] MILLERJ - Repainted/Sealed prop boots. [0.00] Howell - Insp. C/W	Total labor hours: 1.66
Parts Detail:		Total parts cost: 0.00

Discrepancy #17 Detail		
Description:	Brake reservoirs low.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Serviced brake reservoirs with 5606.; Insp. C/W	
Labor Detail:	[0.29] MILLERJ - Serviced brake reservoirs with 5606. [0.00] Howell - Insp. C/W	Total labor hours: 0.29
Parts Detail:		Total parts cost: 0.00

Discrepancy #18 Detail		
Description:	Vacuum filter dirty.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Replaced vacuum filter P/N RAB3-5-1.; Insp. C/W	
Labor Detail:	[0.43] MILLERJ - Replaced vacuum filter P/N RAB3-5-1. [0.00] Howell - Insp. C/W	Total labor hours: 0.43
Parts Detail:	(1) RAB3-5-1 Filter (inv) - 3.95	Total parts cost: 3.95

Discrepancy #19 Detail		
Description:	Comply with AD 2008-26-10 Static port obstruction.	
Status:	Customer Approval: Approved	Work: Completed Inspection: Completed
Actions Taken:	Inspected port for obstruction. No defects noted.	
Labor Detail:	[0.25] Howell - Inspected port for obstruction. No defects noted.	Total labor hours: 0.25
Parts Detail:		Total parts cost: 0.00

Log Book Entries		
Airframe Log (S/N T18208141)		
Complied with an annual inspection in accordance with FAR 43 Appendix D. Complied with FAR 91.207D ELT operation, G switch and remote switch. Replaced ELT battery P/N BP-1030 expires 12/2011. Replaced all		

Camloc cowl fasteners on side cowlings. Replaced right hand wheel pant attach bracket PN 0741646-14. Replaced tail beacon PN 34-0041987-02. Replaced right main tire with Condor P/N 072-314-0 S/N 8021W00581. Replaced vacuum regulator filter PN B3-5-1. Complied with AD 2008-26-10 Alternate air static valve placard not covering port. Complied with AD2008-14-07 Fuel lines by inspection. Next due: 1542.0 Complied with AD 2009-02-03 Servo plug gasket by replacement of gasket. AD's checked through 2009-19. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Engine Log (TIO540AK1A S/N L-11171-61A)

Complied with a 100 hour inspection in accordance with FAR 43 Appendix D. Compression check #1 75/80 #2 75/80 #3 75/80 #4 70/80 #5 75/80 #6 76/80. Changed oil and filter Installed CH48110-1 filter and filled with 8 quarts Aeroshell 15W50. Inspected oil filter for metal, none noted. Complied with AD2008-14-07 Fuel lines by inspection. Next due: 1542.0 Complied with AD Complied with AD 2009-02-03 Servo plug gasket by replacement of gasket. AD's checked through 2009-19. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

Propeller Log (B3D36C442 S/N 020481)

I certify that this propeller has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.