













# Sunshine Turbine



McClure Maintenance - Sunshine Turbine.  
 5327 Johnny Reaver RD Suit 104.  
 Panama City, FL 32409

(850)296-9009  
 mx@sunshineturbine.com  
<http://www.SunshineTurbine.com>

## BILL TO

MARK MANNING  
 71 WHISPER HILL COVE  
 COLLIERVILLE, TN 38017

Please detach top portion and return with your payment.

DATE	ACCOUNT SUMMARY
08/01/2013	Balance Forward New charges (see details below) Total Amount Due

DATE	SERVICE	ACTIVITY
08/01/2013	PARTS	PARTS ENGINE TEAR DOWN/INSPECTION BY CONTINENTAL MOTORS/MINUS ANY MAJOR DAMAGE, 1 @ \$10,500.00
08/01/2013	PARTS	PARTS EACH MAG INSPECTION, 2 @ \$2,100.00
08/01/2013	PARTS	PARTS ALTERNATOR INSPECTION, 1 @ \$700.00
08/01/2013	PARTS	PARTS CRATE AND SHIPPING ENGINE, 1 @ \$750.00
08/01/2013	PARTS	PARTS CRANKSHAFT REPLACE IF OLD IS CRACKED---\$8,500.00
08/01/2013	PARTS	PARTS NEW STC PROP FROM SHANNON AVIATION, 1 @ \$9,900.00
08/01/2013	PARTS	PARTS SHIMMY DAMPENER, 1 @ \$2,257.00
08/01/2013	PARTS	PARTS NEW UPPER PIN FOR UPPER TORQUE KNEE, 1 @ \$45.56
08/01/2013	PARTS	PARTS NEW LOWER PIN FOR LOWER TORQUE KNEE, 1 @ \$32.58
08/01/2013	PARTS	PARTS NEW UPPER TORQUE KNEE, 1 @ \$3,881.92
Continue to the next page		

DATE	SERVICE	ACTIVITY
08/01/2013	PARTS	PARTS NEW LOWER TORQUE KNEE, 1 @ \$1,731.41
08/01/2013	PARTS	PARTS NEW WINDSHIELD, 1 @ \$3,425.29
08/01/2013	PARTS	PARTS WINDSHIELD CLIPS TIMES 24, 1 @ \$3.67
08/01/2013	PARTS	PARTS WINDSHIELD MOLDING, 1 @ \$100.00
08/01/2013	PARTS	PARTS NEW NOSE GEAR ASSEMBLY INCLUDING TIRE AND WHEEL, 1 @ \$6,000.00
08/01/2013	PARTS	PARTS NEW LT HAND GEAR DOOR, 1 @ \$1,977.13
08/01/2013	Labor	Labor PREPARE AIRCRAFT IN HANGER AND JACK AIRCRAFT, 4 @ \$102.00
08/01/2013	Labor	Labor DECOWL AND REMOVE PROP, 4 @ \$102.00
08/01/2013	Labor	Labor PREP ENGINE IN CRATE FOR SHIPMENT, 2.5 @ \$102.00
08/01/2013	Labor	Labor REMOVE AND INSTALL NEW WINDSHIELD, 4 @ \$102.00
08/01/2013	Labor	Labor INSTALL ENGINE AFTER REPAIR, 10 @ \$102.00
08/01/2013	Labor	Labor INSTALL NEW PROP, 1.5 @ \$102.00
08/02/2013	Labor	Labor REMOVE ENGINE, 8 @ \$102.00
08/02/2013	Labor	Labor REMOVE AND REPAIR NOSE LANDING GEAR DAMAGE, 5 @ \$102.00
08/02/2013	Labor	Labor REMOVE AND REPLACE LT HAND GEAR DOOR ASSEMBLY, 2.5 @ \$102.00
08/08/2013	Labor	Labor RECOWL AIRCRAFT AFTER REPAIR, 1.5 @ \$102.00



For Sale 1/3 Share 1971 Beach Bonanza V35B N9216Q  
Hangered at Olive Branch Metro Aviation  
Call 901 853 9100

Serial Number	D9268
Airframe	4294 Total Time
Turbo Normalized I.O. 520	Total Time 2785 749 SMOH
3 Bladed Prop	Total Time 2956 749 SOH

North star M3 GPS  
Century 2000 Autopilot Flight System

- ♣ Coupled to GPS
- ♣ Altitude Hold
- ♣ Yaw Damper
- ♣ Glideslope Intercept
- ♣ Auto trim

H S I  
Dual King KX 155  
King KTA76 Transponder w/ altitude encoder  
King DME  
ADF

Stand By Vacuum System  
Horizon P-100 Digital Tachometer  
Insight Strike Finder slaved to compass system  
Shadin Fuel Navigation System Coupled to GPS  
Electric Trim  
Throw over Control Yoke  
Anti-Collision Strobe Lights  
ETI Engine Monitor

Paint Job Good to Excellent 7 out of 10 Always in Hanger  
Full Leather Interior, 7 out of 10  
Painted Cylinder Heads  
Bonanza Throttle-Mixture-Prop Knobs Set  
Custom Cover  
Chrome Step  
4 Place Intercom w/ Stereo Input



# Smyrna Air Center, Inc.

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SMYRNA, TN 37167

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**Shop Order: 23669**

**Opened: 4/11/2012**

**Closed: 7/13/2012**

Sold To: Bruce Crane  
714 Bonnie Blue Cv  
Collierville, TN 38017-6152

Ship To: Bruce Crane

**Aircraft Number: N9216Q Type: Bonanza S/N: D-9268**

Total Time: 4,294.9 Hobbs Time: 2,094.9 Tach Time: 1,583.2 LG Cycles:

Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-520-BA	122973R	2,785.4		3A32C76 S-M	755496	2,956.8

**Discrepancy: 1**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Turbo Normalizer system has become weak. (almost no boost at altitude)

**Action Taken:**

Checked aircraft for available STC information, none found.

Opened cowling and performed visual inspection, found oil leaking @ waste gate actuator drain line port, no drain line currently installed. Oil cooked on waste gate actuator. Oil splatter at Turbo discharge. Removed compressor inlet duct and found compressor turbine blades heavily damaged. Minimum 2 ea. with significant chunks missing, remainder of blades suffering FOD damage.

Recommend turbocharger replacement and wastegate actuator repair. P&A Submitted for Turbo. **RWS 04-16-12**

Removed turbocharger P/N 406610-9029, S/N VKR1116 and installed overhauled unit S/N XK035895. Removed wastegate P/N 470908-9011 and installed overhauled unit S/N XC000236. TB 04-26-2012

To be tested and leak checked at post inspection run-up **RWS 06-28-12**  
Ground run leak and operational checks were good at annual post run. DC

Charges This Item: 19.07 Hours @ 75.00 \$ 1,430.25

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
AN4C11A	BOLT		1.00	Each	6.780	53	3.190	\$ 3.19
	Freight		1.00				6.050	\$ 6.05
406610-9029	TURBOCHARGER		1.00	Each	2,950.000		2,950.000	\$ 2,950.00
	Core Charge		1.00	Each			500.000	\$ 500.00
	Freight		1.00				108.970	\$ 108.97
470908-11	WASTEGATE		1.00	Each	1,225.000		1,225.000	\$ 1,225.00
	Core Charge		1.00	Each			400.000	\$ 400.00
	Freight		1.00				22.000	\$ 22.00
652456	GASKET		2.00	Each	21.500		21.500	\$ 43.00
MS28778-4	O-RING		1.00	Each	1.520		1.520	\$ 1.52
MS28778-6	O-RING		1.00	Each	1.160		1.160	\$ 1.16

Parts For This Discrepancy: \$ 5,260.89

Total For This Discrepancy: \$ 6,691.14

**Discrepancy: 2**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Customer requests estimate to replace fuel manifold due to leaks.

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**Action Taken:**

Fuel divider manifold removed and placed with the Parts dept for shipping to overhaul facility.

Reinstalled engine fuel manifold following overhaul, by "AMETEK B&S Aircraft Parts & Accessories", P/N 631427-2A3, S/N J032804RC. IAW Continental MM.Ch 29. MB 7-3-12

Charges This Item:	2.55 Hours @	75.00	\$	191.25
			Outside Repair:	\$ 540.37
			Total For This Discrepancy:	\$ 731.62

**Discrepancy: 3**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Customer requests troubleshoot of the electrical system due to new battery not staying charged and load meter not reading anything.

**Action Taken:**

Attempted to start engine for post inspection run up and found battery weak. Charged battery and attempted start. Found voltage drops to 9.8 Volts. Checked voltage drop across starter relay and checked starter lead resistance and found both normal. Connected Ground power cart and attempted start with 14 volts available and starter is still laboring and current draw was in excess of 450 Amps. Disengaged starter form starter adapter and rechecked starter current draw and found free wheel current draw still in excess of 400 Amps. Starter replacement required, battery replacement recommended. **RWS 07-06-12**

Removed old starter, p.n.- MCL-6501R, s.n.- D101138 and installed overhauled starter, p.n.- MCL-6501 s.n.- H-M030571 due to above troubleshooting. **07/09/2012 Dennis L. Parish**

Removed Gill G-35 S/N G02517612 Main aircraft battery due to above trouble shooting. Installed new Gill G-35 S/N G02722234 after initial build up with new acid and 10 hour charge at 3.0 amps constant current charge. All cell specific gravities were 12.95 or higher. Also installed new ground cable Grommet P/N MS35489-12 at battery box. DC 7-12-2012

Charges This Item:	5.51 Hours @	75.00	\$	413.25				
<b>Part Number</b>	<b>Description</b>	<b>Credit</b>	<b>Quantity</b>	<b>Units</b>	<b>List Price</b>	<b>Disc</b>	<b>Unit Price</b>	<b>Extended</b>
MCL6501R	STARTER		1.00	Each	474.500		474.500	\$ 474.50
	Freight		1.00				36.500	\$ 36.50
G35	BATTERY		1.00	Each	346.190		346.190	\$ 346.19
	Freight		1.00				26.880	\$ 26.88
DT3QT	BATTERY ACID		1.00	Each	13.500		13.500	\$ 13.50
	Freight		1.00				9.000	\$ 9.00
MS35489-12	GROMMET		1.00	Each	1.260		1.260	\$ 1.26
							Parts For This Discrepancy:	\$ 907.83
							Total For This Discrepancy:	\$ 1,321.08

**Discrepancy: 4**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Customer requests an annual inspection.

**Action Taken:**

Annual Inspection completed using the Beechcraft V35B Maintenance Manual Inspection Outline. **RWS 07-10-12**  
Engine Compression Check Results: 1/53, 2/48, 3/51, 4/56, 5/64, 6/62

Charges This Item:			Flat-Fee Labor:	\$ 1,850.00				
<b>Part Number</b>	<b>Description</b>	<b>Credit</b>	<b>Quantity</b>	<b>Units</b>	<b>List Price</b>	<b>Disc</b>	<b>Unit Price</b>	<b>Extended</b>
M674	SPARK PLUG GASKET		11.00	Each	1.130		1.130	\$ 12.43
M24529	LUBRICAP (04-01940)		37.00	Each	1.000		1.000	\$ 37.00
B3-5-1	VACUUM FILTER		1.00	Each	6.990		6.990	\$ 6.99
M24529	LUBRICAP (04-01940)		3.00	Each	1.000		1.000	\$ 3.00
							Parts For This Discrepancy:	\$ 59.42
							Total For This Discrepancy:	\$ 1,909.42

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<b>Discrepancy: 5</b>			
This Discrepancy is marked as affecting airworthiness status.			
<b>Problem:</b> A.D. 94-20-04 R2 "V Tail Inspection " 131.9 Hrs. Past Due Last Compliance Logged March 1st, 2010 @ AFTT: 4063.0 Hrs. Paragraph (3) Due Every 100 Hrs. To Be Completed IAW Kit Instructions P/N 35-4017-1			
<b>Action Taken:</b> C/W A.D. 94-20-04 R2 "V Tail Inspection " IAW Kit Instructions P/N 35-4017-1. No defects noted this date. TB 06-12-2012			
Charges This Item:	1.00 Hours @	75.00	\$ 75.00
	Total For This Discrepancy:		\$ 75.00
<b>Discrepancy: 6</b>			
This Discrepancy is marked as affecting airworthiness status.			
<b>Problem:</b> A.D. 95-04-03 "Front Spar Carry-Through Inspection" 272.2 Hrs. Past Due. Last Compliance Logged October 7th, 2005 @ AFTT: 3522.7 Hrs. Due every 500 Hrs.			
<b>Action Taken:</b> Beechcraft A.D. 95-04-03 "Front Spar Carry-Through Inspection", complied with by CFM CRS# IAW AD and SB (see CFM WO # ). DC  Sublet Service Completed: 6/05/2012 Description: C/W AD95-04-03 NDI Performed By: CORPORATE FLIGHT MANAGEMENT PO #: 43940			
Charges This Item:		Outside Labor:	\$ 247.00
	Total For This Discrepancy:		\$ 247.00
<b>Discrepancy: 7</b>			
This Discrepancy is marked as affecting airworthiness status.			
<b>Problem:</b> A.D. 01-23-10 "Flap Flex Shaft Assemblies", No Record Of Compliance.			
<b>Action Taken:</b> While this A.D. was previously signed off in the Airworthiness Directive compliance record found with the aircraft paperwork, it was listed as being Not Applicable by serial number, then corrected as being applicable, but never actually resolved and correctly signed off as required for proper record keeping. Complied with paragraph (e) (1) by review of maintenance record entries for flap flex shaft &/or flap actuator replacement since March 1st, 2000. No record of flap flex shaft &/or flap actuator replacement found and IAW paragraph (e) (1) (ii) no further action is required. <b>RWS</b> 06-28-12			
Charges This Item:	0.05 Hours @	0.00	\$ N/C
	Total For This Discrepancy:		\$ N/C
<b>Discrepancy: 8</b>			
This Discrepancy is marked as affecting airworthiness status.			
<b>Problem:</b> A.D. 07-08-08 "Uplock Roller Lubrication 64.9 Hrs. Past Due. Last Completed April 25th, 2011 @ AFTT: 4130.0 Hrs. Due Every 100 Hrs.			
<b>Action Taken:</b> Beechcraft A.D. 07-08-08, Uplock Roller Lubrication, Complied with IAW AD , No defects were noted. Next due in 100 hr TIS. DC			
	Total For This Discrepancy:		\$ N/C
<b>Discrepancy: 9</b>			
This Discrepancy is marked as affecting airworthiness status.			
<b>Problem:</b> A.D. 98-21-21 "Bob Fields Accessories Inflatable Door Seal" No Record Of Compliance. <b>Customer requests deactivation IAW</b>			
Printed: 7/14/2012 Shop Order: 23669 Page: 3 of 12			

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**AD at this time.**

**Action Taken:**

C/W AD 98-21-21 by deactivating Bob Fields Accessories Inflatable Door Seal and installing placard per the AD. TB 06-11-2012

Charges This Item:	2.60 Hours @	75.00	\$	195.00
	Total For This Discrepancy:			\$ 195.00

**Discrepancy: 10**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

A.D. 84-09-01 "Emergency Egress", Required Placard Missing

**Action Taken:**

Installed Emergency egress placards P/N 96-534042-3 (see 8130-3 dated 5-21-2012) IAW AD 84-09-01 under the left and right emergency egress windows. DC

Charges This Item:	0.50 Hours @	75.00	\$	37.50
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
96-534042-3	PLACARD-EMERGENCY EGRESS		2.00	Each	207.000		207.000	\$ 414.00
	Freight		1.00				3.420	\$ 3.42
Parts For This Discrepancy:								\$ 417.42
Total For This Discrepancy:								\$ 454.92

**Discrepancy: 11**

This Discrepancy is marked as affecting airworthiness status.

This Discrepancy is marked as needing additional information.

**Problem:**

Major Alteration Documentation Not Found For:

- STC SA5223NM Turbo Normalizer
- STC SA1176SO Gap Seals
- STC SA449GL Shadin Fuel Flow
- STC SA4180WE Inflatable Door Seal
- STC SA5491NM Digital Tach
- STC SA17GL Brackett Air Filter
- March 1996 Avionics & Auto Pilot Installation
- February 1998 Insight Strike Finder Installation

**Action Taken:**

Obtained airworthiness data from Oklahoma City through the FAA and the following items were found to be properly recorded & on file:

1. Oct. 2005 GAMI Injector Nozzles STC No. SE09289SC 337 on File.
2. April 1998 Northstar Avionics M3 Navigator Installation 337 on File.
3. Jan. 1997 Horizon Digital Tachometer STC No. SA5491NM 337 on File.
4. July 1993 Walker Engineering Ventral Air Skeg STC No. SA3184WE 337 on File.
5. Feb. 1988 Loran C System Installation (Since removed)
6. April 1976 Exhaust Silencers STC No. SA884SO 337 on File.

Printed Historical 337's for aircraft records file. **RWS 07-11-12**

No 337 Form record found on file for the following modifications:

1. Jan. 1993 installation of Turbo Normalizer STC SA5223NM, Gap Seal STC No. SA1176SO, Shadin FF STC No. SA449GL, Door Seal STC No. SA4180WE installed by Gary R. Ba???? 419138580 IA (Performed conformity inspections as required and submitted 337 Forms) IAW FAR 43 Appendix B. **RWS 07-11-12**
2. Brackett Air Filter STC No. SA71GL By persons Unknown (Completed & Submitted 337 Form, ICA Etc.) IAW FAR 43 Appendix B. **RWS 07-11-12**
3. UBG Graphic Engine Analyzer STC No. SA00680SE installed by John Jewel Aircraft, Inc. CRS # JUJR300L on 10-07-05 under W.O. # J4709. (Located 337 in aircraft Records, Copied & Mailed to FAA) IAW FAR 43 Appendix B. **RWS 07-11-12**

	Total For This Discrepancy:	\$ N/C
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**Discrepancy: 12**

This Discrepancy is marked as affecting airworthiness status.

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**Problem:**

Brackett Induction Air Filter 12 month/ 100hr ICA Compliance Due.

**Action Taken:**

Inspected alternate air port and mounting, alternate air door operational check complied with. Repaired air filter box intake filter retaining rivnut with new #8 and replaced air filter element with new, P/N BA-7112 IAW Brackett air filter STC ICA. MB 6-11-12

Charges This Item:	1.13 Hours @	75.00	\$	84.75
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
BA7112	AIR FILTER		1.00	Each	16.900		16.900	\$ 16.90
	Freight		1.00				5.000	\$ 5.00
								Parts For This Discrepancy: \$ 21.90
								Total For This Discrepancy: \$ 106.65

**Discrepancy: 13**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Fuel Flow Indicator Inoperative. Shadin Mini-Flow Not Approved As Primary Instrument. (labor estimate is to determine why gauge is not working)

**Action Taken:**

Inspection finds that the fuel flow side of the indicator is disabled and capped off. This portion is required IAW FAR 23 and is the primary indicator. DC

Researched instrument plumbing and installed a new elbow P/N 628437 at the fuel manifold. Installed a new fuel line P/N 130F001-4S0160 between the engine fuel manifold and the right aft engine baffle, previously existing AN4 fitting. Installed new fuel line P/N 130F001-4S0220 to the aft side of the fitting at right aft engine baffle and routed to the previously existing AN4 bulkhead fitting located on the left firewall, just below and OB of the Brake reservoir. Installed new fuel line P/N 130001-4S0200 to the firewall bulkhead fitting, aft side of firewall, and routed to the stock Beechcraft fuel flow gauge with a new AN816-4 fitting installed. Bled the system and checked for leaks, none were noted. Ground run and leak check were good. DC 7-11-2012

Charges This Item:	8.80 Hours @	75.00	\$	660.00
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
628437	FITTING		1.00	Each	27.000		27.000	\$ 27.00
	Freight		1.00				54.120	\$ 54.12
130F001-4S0160	HOSE		1.00	Each	107.150		107.150	\$ 107.15
	Freight		1.00				7.500	\$ 7.50
130F001-4S0220	HOSE		1.00	Each	121.450		121.450	\$ 121.45
	Freight		1.00				8.500	\$ 8.50
130001-4S0200	HOSE		1.00	Each	71.450		71.450	\$ 71.45
	Freight		1.00				5.000	\$ 5.00
AN816-4	FITTING		1.00	Each	9.000		9.000	\$ 9.00
	Freight		1.00				22.810	\$ 22.81
MS21919WDG12	CLAMP		1.00	Each	2.470		2.470	\$ 2.47
								Parts For This Discrepancy: \$ 436.45
								Total For This Discrepancy: \$ 1,096.45

**Discrepancy: 14**

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

GAMI Fuel Injection Nozzle 100 to 200 hrs ICA Due.

**Action Taken:**

C/W GAMI Fuel Injection Nozzle 100 to 200 hrs ICA . TB 06-11-2012

Charges This Item:	2.00 Hours @	75.00	\$	150.00
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
640612	WASHER		6.00	Each	1.300		1.300	\$ 7.80
630979-9	O-RING		12.00	Each	2.150		2.150	\$ 25.80

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	Parts For This Discrepancy:	\$ 33.60
	Total For This Discrepancy:	\$ 183.60

### Discrepancy: 15

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Pitot heat and the stall warning heat is Inoperative. ( labor estimate is for troubleshooting only)

**Action Taken:**

Operational check of the pitot and stall warning here good this day (5-26-2012). Believe to have been re-established ground during Pitot certification by avionics shop. DC

Charges This Item:	0.18 Hours @	75.00	\$	13.50
			Total For This Discrepancy:	\$ 13.50

### Discrepancy: 16

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Required Placards Missing: Emergency Gear Placard & Winter Baffle Removal Placard

**Action Taken:**

Installed both landing gear placard P/N 33-324032 and and winter baffle placard, P/N 35-910296-1 as required IAW Beechcraft POH limitations section. MB 7-3-12

Charges This Item:	1.50 Hours @	75.00	\$	112.50
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
33-324032	PLACARD-L/G EXTENSION		1.00	Each	380.000		380.000	\$ 380.00
	Freight		1.00				3.410	\$ 3.41
35-910296-1	PLACARD-WINTER BAFFLE		1.00	Each	35.350		35.350	\$ 35.35
	Freight		1.00				3.410	\$ 3.41
								Parts For This Discrepancy: \$ 422.17
								Total For This Discrepancy: \$ 534.67

### Discrepancy: 17

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Servo In Empenage Not Disengaging. (labor estimate is for avionics dept troubleshooting only)

**Action Taken:**

Non Issue: Inspected Century 2000 Autopilot Rigging. No defects noted. Behavior of Pitch Servo; 1C784-3-906, S/N 703 mechanism is identical to that of another Century 2000 Pitch Servo mounted in N8071P. DB 6-13-12.

	Total For This Discrepancy:	\$ N/C
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### Discrepancy: 18

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

Fuel Cap o-rings Deteriorated

**Action Taken:**

Replaced left and right fuel caps o-rings for the outer lip, P/N MS29513-338 and shaft, P/N MS29513-010. DC

Charges This Item:	0.98 Hours @	75.00	\$	73.50
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
MS29513-010	O-RING		2.00	Each	1.170		1.170	\$ 2.34
MS29513-338	O-RING		2.00	Each	2.940		2.940	\$ 5.88
								Parts For This Discrepancy: \$ 8.22
								Total For This Discrepancy: \$ 81.72

### Discrepancy: 19

This Discrepancy is marked as affecting airworthiness status.

**Problem:**

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Right Magneto Inspection Plug Missing										
<b>Action Taken:</b> Installed new magneto vent plug, P/N 10-157134. IAW Slick Service Manual and Beechcraft MM. MB 7-3-12										
Charges This Item:					0.25 Hours @		75.00		\$	18.75
Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended		
10-157134	PLUG		1.00	Each	3.580		3.580	\$	3.58	
								Parts For This Discrepancy: \$		3.58
								Total For This Discrepancy: \$		22.33
<b>Discrepancy: 20</b>										
This Discrepancy is marked as affecting airworthiness status.										
<b>Problem:</b> All landing gear, up and down lock switches are not safetied.										
<b>Action Taken:</b> Closer inspection found that the switch mount nuts do not have safety wire holes. DC										
								Total For This Discrepancy: \$		N/C
<b>Discrepancy: 21</b>										
<b>Problem:</b> Magneto 500 Hour Inspection Past Due (Manufacturer Recommended Only)										
<b>Action Taken:</b> Customer deferred at this time. DC										
								Total For This Discrepancy: \$		N/C
<b>Discrepancy: 22</b>										
<b>Problem:</b> Landing Light Inoperative (Upper)										
<b>Action Taken:</b> Replaced landing light with new bulb P/N 4509 and checked light for proper operation. NR 07-12-12										
Charges This Item:					0.50 Hours @		75.00		\$	37.50
Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended		
4509	LAMP		1.00	Each	27.670		27.670	\$	27.67	
								Parts For This Discrepancy: \$		27.67
								Total For This Discrepancy: \$		65.17
<b>Discrepancy: 23</b>										
<b>Problem:</b> Idle Mixture Excessively Lean										
<b>Action Taken:</b> Corrected at pre-run. DC										
								Total For This Discrepancy: \$		N/C
<b>Discrepancy: 24</b>										
<b>Problem:</b> Left Cowl Flap Chaffing Exhaust When Closed										
<b>Action Taken:</b> Chaffing issue is old and has self relieved. No further action required. DC7-12-2012										
Charges This Item:					0.50 Hours @		75.00		\$	37.50
								Total For This Discrepancy: \$		37.50
<b>Discrepancy: 25</b>										
<b>Problem:</b> Pilots Left Brake Master Cylinder Leaking @ Shaft										
<b>Action Taken:</b>										



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Removed, cleaned, and inspected pilots LH brake master cylinder. Noted system fluid leaking from top piston seal. Disassembled LH master cylinder and inspected internal components. Replaced all seals and gaskets (x4) internal to assembly. Reassembled LH brake master cylinder. Submerged assembly in clean bath of system fluid and actuated master cylinder to remove residual air. Installed LH brake master cylinder in flight position. Discovered lower hydraulic supply line damage during installation and stopped the installation at that point. Ground run, leak and operational check was good. DC Brakes bled as installed after all brake work completed. **RWS** 07-12-12  
See Item # 40

Charges This Item:		2.25 Hours @	75.00	\$	168.75
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Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
A57G401	WIPER		1.00	Each	28.880		28.880	\$ 28.88
MS28775-011	O-RING		1.00	Each	1.200		1.200	\$ 1.20
MS28775-113	O-RING		1.00	Each	1.200		1.200	\$ 1.20
MS28775-111	O-RING		1.00	Each	1.200		1.200	\$ 1.20

Parts For This Discrepancy:	\$	32.48
Total For This Discrepancy:	\$	201.23

### Discrepancy: 26

**Problem:**

Main Instrument Air Line Not Secured On Aft Side Of Firewall

**Action Taken:**

Properly secured instrument air line with existing clamp. J.D.M. 7/3/2012

Charges This Item:		0.25 Hours @	75.00	\$	18.75
					Total For This Discrepancy: \$ 18.75

### Discrepancy: 27

**Problem:**

Mostly Stainless Steel Screws Holding Instruments In Panel

**Action Taken:**

Customer deferred at this time. DC

Total For This Discrepancy:	\$	N/C
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### Discrepancy: 28

**Problem:**

Upper Aileron Attach Screws Corroded, Both Sides. (customer requests replacement of all screws)

**Action Taken:**

Removed all 16 aileron attach screws due to signs of surface corrosion. 8 each required special attention due to heads being stripped due to corrosion. Inspected attach points and hinges. Replaced all 16 aileron attach screws P/N MS27039-1-09 and washers P/N AN960-10L with new and treated the screws and nut plates with LPS3. DC

Charges This Item:		0.70 Hours @	75.00	\$	52.50
					Total For This Discrepancy: \$ 52.50

### Discrepancy: 29

**Problem:**

Subpanel Lights Inoperative. (labor allowance is for troubleshooting cause)

**Action Taken:**

Checked all light transistors. Power at subpanel reostat. **Reostat appears to be bad.** MB 7-3-12

Customer deferred repair at this time. DC

Charges This Item:		0.69 Hours @	75.00	\$	51.75
					Total For This Discrepancy: \$ 51.75

### Discrepancy: 30

**Problem:**

Ammeter Light Inoperative

**Action Taken:**

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It has been determined that the instrument is internally lighted and no support can be found. No further action taken at this time.  
**RWS 07-12-12**

Total For This Discrepancy: \$ N/C

### Discrepancy: 31

**Problem:**

Cylinders #'s 3, 4 & 5 have indications of exhaust leaks near cyl.

**Action Taken:**

Replaced #4 cylinder EGT probe with new JPI P/N10-01591(ALT # P-110). DC 5-27-2012

Replaced #3 and #5 cylinder EGT probe with new JPI P/N10-01591(ALT # P-110). TB 06-13-2012

Operational check at post run was good and no leaks were noted. DC 7-12-2012

Charges This Item: 2.50 Hours @ 75.00 \$ 187.50

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
P-110	EGT PROBE		1.00	Each	94.000		94.000	\$ 94.00
	Freight		1.00				24.560	\$ 24.56
P-110	EGT PROBE		2.00	Each	94.000		94.000	\$ 188.00
	Freight		1.00				27.820	\$ 27.82
Parts For This Discrepancy:								\$ 334.38
Total For This Discrepancy:								\$ 521.88

### Discrepancy: 32

**Problem:**

Recommend replacing the Pneumatic inline filter and the pneumatic intake filter every 12 months or 100 hrs of flight.

**Action Taken:**

Replaced the Pneumatic inline filter P/N AA2J4-7. DC

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
2J4-7	FILTER		1.00	Each	73.000		73.000	\$ 73.00
Charges This Item:								Parts For This Discrepancy: \$ 73.00
Total For This Discrepancy:								\$ 73.00

### Discrepancy: 33

**Problem:**

Left main tire is worn to limit of tread.

**Action Taken:**

Removed left main landing gear wheel/tire assembly and removed old tire, P/N Michelin 070-313-0, S/N 313W00331 and tube. Installed new tire, P/N Goodyear 706C86-3, S/N 20252004 and new tube, P/N 302-061-400. Reinstalled wheel/tire assembly following bearing inspection, cleaning, repack and serviceing tire to specs with dry nitrogen. IAW Beechcraft MM, Ch 32. MB 6-11-12

Charges This Item: 1.00 Hours @ 75.00 \$ 75.00

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
706C86-3	GYFC 700X6-8P TIRE		1.00	Each	448.000	26	333.200	\$ 333.20
	Freight		1.00				12.100	\$ 12.10
302-061-400	TUBE, 700/800-6/TR20		1.00	Each	99.000	100	0.000	\$ N/C
	Freight		1.00				8.100	\$ 8.10
302-061-400	TUBE, 700/800-6/TR20		1.00	Each	104.000		104.000	\$ 104.00
	Freight		1.00				8.100	\$ 8.10
Parts For This Discrepancy:								\$ 465.50
Total For This Discrepancy:								\$ 540.50

### Discrepancy: 34

**Problem:**

Shimmy dampner completely flat (2 7/8"), needs serviced.

**Action Taken:**

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Removed the shimmy dampner from the aircraft. Serviced the shimmy dampner IAW Shop manual section 5 using MIL-H-5606 hydraulic fluid and re-installed. DC

Charges This Item:

0.57 Hours @	75.00	\$	42.75
Total For This Discrepancy:			\$ 42.75

## Discrepancy: 35

### Problem:

Assist step needs wing walk compnd applied.

### Action Taken:

Applied wing walk compound as requested. IAW Beechcraft MM. MB 6-11-12

Sublet Service Completed: 7/02/2012

Description: 631427-2A3 MANIFOLD

Performed By: Ametek / B & S Aircraft PO #: 43982

Charges This Item:

0.52 Hours @	75.00	\$	39.00
Outbound Freight:			\$ 8.04
Total For This Discrepancy:			\$ 47.04

## Discrepancy: 36

### Problem:

There are 10 landing gear grease fittings that will not take grease.

### Action Taken:

Removed, cleaned, reinstalled and serviced these 10 grease fittings. IAW Beechcraft MM. MB 7-3-12

Charges This Item:

1.99 Hours @	75.00	\$	149.25
Total For This Discrepancy:			\$ 149.25

## Discrepancy: 37

### Problem:

All landing gear actuator rod, "deerskin" boots are worn out or torn, 5 total.

### Action Taken:

Customer deferred at this time. DC

Total For This Discrepancy: \$ N/C

## Discrepancy: 38

### Problem:

Customer requests estimate to O/H or repair the fuel divider.

### Action Taken:

See Item number 2. DC

Total For This Discrepancy: \$ N/C

## Discrepancy: 39

### Problem:

Customer requests troubleshoot of the electrical system due to new battery not staying charged and load meter not reading anything. (also battery was fully charged prior to pre- run and aircraft had low power to restart after 25 min run)

### Action Taken:

see item #3 of this WO. DC

Total For This Discrepancy: \$ N/C

## Discrepancy: 40

### Problem:

During reseal of brake master cylinder, Hydraulic supply hose to bottom of pilots LH master cylinder has one 90 degree elbow exhibiting considerable twisting thus requiring replacement of entire hose assembly. (send original hose for duplication)

### Action Taken:

Replaced the left brake master cylinder hose with new, P/N 111504-4SL-0096. Brake reservoir serviced with Mil-H-5606 hyd fluid. IAW Beechcraft MM, Ch 32. MB 6-22-12

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Need to comply with brake bleeding. MB 6-22-12 See Item # 25 for left brake bleeding. <b>RWS</b> 06-28-12									
Charges This Item:					2.50 Hours @		75.00	\$ 187.50	
Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended	
111504-4SL-0096	HOSE		1.00	Each	126.750		126.750	\$	126.75
	Freight		1.00				16.190	\$	16.19
							Parts For This Discrepancy:		\$ 142.94
							Total For This Discrepancy:		\$ 330.44
<b>Discrepancy: 41</b>									
<b>Problem:</b> Cigarette Lighter Blows Breaker During Post Insp. Run									
<b>Action Taken:</b> Removed sheet metal screw that was wedged in bottom of housing. operational check was good. DC 07-12-12									
							Total For This Discrepancy:		\$ N/C
<b>Discrepancy: 42</b>									
<b>Problem:</b> Ammeter Found To Be Inoperative (Alternator is on line and producing 13.6 VDC with the system loaded & "Alternator Out" annunciator found to be functional)									
<b>Action Taken:</b> Located and re-installed previously removed and stowed Ameter leads at the Fuse holders IAW Beech 35 shop manual. Ground run shows the amp meter is still inoperative. Customer has two other approved sources in instrument panel for electrical system indication that are working. No further work approved. DC7-11-2012									
Charges This Item:					0.57 Hours @		75.00	\$ 42.75	
							Total For This Discrepancy:		\$ 42.75
<b>Miscellaneous Charges:</b>									
							Misc Supplies:		\$ 332.14
							EPA Charge:		\$ 9.50
<b>Summary:</b>									
Total Parts:		\$	7,328.01		Total Core Charges:		\$	900.00	
Total Freight:		\$	427.48		Misc Supplies:		\$	332.14	
EPA Charge:		\$	9.50		Total Labor - 60.66 Hours:		\$	6,395.75	
Total Outside Labor:		\$	247.00		Total Outside Repair:		\$	540.37	
<b>Totals:</b>									
							<b>SubTotal:</b>		\$ <b>16,180.25</b>
							<b>Sales Taxes:</b>		\$ <b>1,576.79</b>
							<b>Less Discount:</b>		\$ <b>185.00</b>
							<b>Total Charges:</b>		\$ <b>17,572.04</b>
							<b>Paid-VISA ..4168</b>		\$ <b>2,102.50</b>
							<b>Paid-AMERICAN EXPRESS ..3001</b>		\$ <b>2,000.00</b>
							<b>Paid-Check 5003</b>		\$ <b>9,000.00</b>
							<b>Amount Remaining:</b>		\$ <b>4,469.54</b>
Printed: 7/14/2012 Shop Order: 23669 Page: 11 of 12									

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### **Important Information**

The undersigned authorizes Smyrna Air Center, Inc. to repair as necessary, including materials, the items listed and to perform at owner's risk such ground runs and/or flight testing or other tests as are deemed essential to the above repairs and promises to make full payment at the time of delivery or within 10 days after notification that the aircraft is ready, whichever is sooner. Necessary payment arrangements must be made at the time of signing this work order and before any work can be started. An expressed mechanic's lien is acknowledged on the above aircraft to secure the amount of repair and materials. It is understood that Smyrna Air Center, Inc. assumes no responsibility for loss or damage to aircraft or personal property placed with us for storage, sale, leasing or repairs. In the event that incurred damages are not paid within 30 days from the time of delivery, a \$100.00 late fee will be added and a 2% finance charge will be added monthly. After 60 days, any unpaid will be referred to collections in which the undersigned agrees to pay all costs of collection including any reasonable attorney's fees and expenses. Undersigned also acknowledges that Smyrna Air Center, Inc. has made no express or implied warranties with regard to any repairs made to the airplane/equipment and that undersigned sole remedy for repairs made to the airplane is limited to repair or replacement of any parts purchased and installed by Smyrna Air Center, Inc. for a period of 30 days after the repairs are completed. Undersigned acknowledges that Smyrna Air Center, Inc. HAS DISCLAIMED AND MAKES NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY AIRPLANE REPAIRS. In no event will Smyrna Air Center, Inc. be responsible for any incidental or consequential damages incurred by undersigned as a result of repairs performed by Smyrna Air Center, Inc. The undersigned certifies that he/she is the owner or fully authorized agent of the owner.

### **MAINTENANCE RELEASE**

The aircraft, airframe, engine, propeller, accessory or avionics and/or component(s) identified above was repaired and inspected in accordance with current instructions contained in FAR (\_\_\_\_\_) rules of the Federal Aviation Regulations and was found (Airworthy/Unairworthy) for return to service as per those requirements with respect to the work performed. "Pertinent details" of the repair are on file at this maintenance facility under the work order number identified above.

Signed \_\_\_\_\_  
signature of authorized representative

FAA Approved Repair Station Number RG4R491M

**Payment Terms: Due upon receipt!**  
**\$100.00 service charge for balances over 30 days**  
**2% interest per month on balance over 30 days**  
**Mechanic lien after 60 days.**