Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

Engine Return Department
2039 Broad Street
Mobile, AL 36615

USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.

Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 12/19/2008

This engine model TSI0360MB9, Serial No.279348 - R was manufactured on 12/16/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.
<table>
<thead>
<tr>
<th>Date</th>
<th>Total Time</th>
<th>Time Since Last Overhaul</th>
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<tr>
<td>2/19/2009</td>
<td>25:0391</td>
<td>123:38</td>
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<tr>
<td>2/26/2009</td>
<td>25:0391</td>
<td>112:528</td>
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</table>

**Engine Service and Maintenance Record**

**INFINITY AVIATION**

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #66FR992Y

**Date: 2/19/2009**
- Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1728.30; Total Time: 0
- Removed the engine and engine mount. Installed a repaired engine mount, p/n 5940043-503 serial number K4673 using new hardware (see Kosola yellow tag and work order 34673.) Installed a "0" timed TCM rebuilt engine model # TSIO-360-MB(9)B serial number 279348-R using new Lord mounts and hardware. All engine hoses forward of the firewall were replaced with new hoses (see engine component list in engine logbook.)
- Installed an overhauled propeller governor, p/n C290D3J/T20 serial number 800925 (see 8130-3.) Installed a new McCauley propeller with deice boots, p/n P2214532-12, m/n 2A34C221-B/G-90DH-16E serial number 080514. Installed a new induction air filter and complied with AD 84-26-02. Serviced the engine with 8 qts of Phillips Wavlop M oil. Performed an engine ground run. Inspected the engine for fuel and oil leaks with none noted. Performed an aircraft test break-in flight with satisfactory results.
- Performed four post engine installation test flights for proper break-in of the engine, power assurance flights and engine fuel set up per SID 97-3E.

Signed: Lee Abt
Date: 2/19/2009, W/O: 12333
Infinity Aviation Services LLC
FAA Certified Repair Station #66FR992Y

**Date: 2/26/2009**
- Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1728.30; Total Time: 0
- Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20K Maintenance Manual.
- Repaired the engine inter-cooler baffling using riveted doublers. Changed all flexible baffles. Repaired the cylinder baffles at all corners.
- Removed and replaced the TIT probe, p/n 880056-501.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signed: Lee Abt
Date: 2/26/2009, W/O: 112528
Infinity Aviation Services LLC
FAA Certified Repair Station #66FR992Y
INFINITY AVIATION
117 Perimeter Road/Nashua, NH 03063
FAA Certified Repair Station #0FR992Y

Date: 5/20/2010; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1759.60; Total Time: 4617.80
* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20K Maintenance Manual.
* Performed a Differential Compression Check with the following results: Cylinder #1 78/80, Cylinder #2 76/80, Cylinder #3 77/80, Cylinder #4 74/80, Cylinder #5 72/80, Cylinder #6 77/80.
* Checked the Magneto Timing.
* Cleaned, gapped, and tested the spark plugs.
* Lubricated the engine controls and slip joints after cleaning.
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
* Repositioned the orange fire sleeve hose by the left cowl flap door motor and applied red RTV to the torn area.
* Applied red RTV to the holes in the left aft baffle to the left exhaust.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Joseph Gardner
Date: 5/20/2010, W/O: 11321
Infinity Aviation Services LLC
FAA Certified Repair Station #0FR992Y

INFINITY AVIATION
117 Perimeter Road/Nashua, NH 03063
FAA Certified Repair Station #0FR992Y

Date: 7/19/2011; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1818.90; Total Time: 4976.80
* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20K Maintenance Manual.
* Performed a Differential Compression Check with the following results: Cylinder #1 72/80, Cylinder #2 74/80, Cylinder #3 76/80, Cylinder #4 76/80, Cylinder #5 78/80, Cylinder #6 72/80.
* Checked the Magneto Timing.
* Cleaned, gapped, and tested the spark plugs.
* Lubricated the engine controls and slip joints after cleaning.
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
* Installed a new hold down screw at the rocker cover for the baffle bracket above the #2 cylinder.
* Installed new hardware for the throttle cable stand-off.
* Re-torqued the screw securing the cowl flap motor.
* Reformed the left front engine baffle to prevent chafing.
* Fabricated a stainless steel patch and installed for the front exhaust landing light shield with new band clamps in accordance with AC43.13.
* Re-secured the cooling duct adapter for the alternator with epoxy.
* Applied a RTV patch to the induction filter housing to prevent chafing.
* Installed scat heat duct to the outer sheath of the induction duct and secured together with RTV.
* Installed a new o-ring p/n MS9021-011 on the oil dipstick.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 7/19/2011, W/O: 113785
Infinity Aviation Services LLC
FAA Certified Repair Station #0FR992Y
Date: 11/28/2011; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1834.80; Total Time: 
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of AeroShell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

Signature: Alan Desrosiers
Date: 11/28/2011, W/O: 14051
Infinity Aviation Services LLC
FAA Certified Repair Station
#6FR992Y

*Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20K Maintenance Manual.
A. Performed a Differential Compression Check with the following results: Cylinder #1 72/80, Cylinder #2 72/80, Cylinder #3 74/80, Cylinder #4 75/80, Cylinder #5 74/80, Cylinder #6 72/80.
Checked the Magneto Timing.
Cleaned, gapped, and tested the spark plugs.
Lubricated the engine controls and slip joints after cleaning.
Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of AeroShell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
Removed the fuel nozzles and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted.
Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued.
Removed and replaced the tail pipe v-band clamp p/n 653337.
Re-secured the alternator cooling air duct.
Adjusted the magneto timing to within manufacturer's specifications.
Cleaned oil from the bottom of the fuel pump and inspected the security of the pump.

Signature: 
Date: 7/9/12 , W/O: 114316
Infinity Aviation Services LLC
FAA Certified Repair Station
#6FR992Y

Date: 2/1/2013; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1892.90; Total Time: 
* Inspected the tires for condition. Found the nose tire was worn. Jacked the aircraft. Removed the nose wheel, disassembled.
Installed a new tube 5.00-6 and 6.00x5 6-ply Flight Custom III tire p/n 505C66-5. Reassembled the nose wheel and torqued to manufacturer's specifications. Reinstalled the wheel to the aircraft. Removed the aircraft from jacks.
* Disassembled the landing light assembly. Strengthened the bent edges, tightened a loose rivet and installed a new bulb p/n 4509. Reassembled the light. Operationally tested the landing light with satisfactory results.

Signature: Alan Desrosiers
Date: 2/1/2013, W/O: 14755
Infinity Aviation Services LLC
FAA Certified Repair Station
#6FR992Y
Date: 2/01/2013; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1892.90; Total Time:
* Inspected the cowling for holes or loose panels. Inspected all ducts and cowl flap system. Jacked the aircraft. Performed a gear swing and inspected the gear doors for proper closure with no discrepancies noted. Inspected the oil cooler for leaks or broken gasket with no discrepancies noted. Removed the oil vernatherm and found it was not torqued to manufacturer’s specifications. Inspected the seal and found what appeared to be uneven wear. Installed a serviceable vernatherm p/n 639305 and gasket p/n 627496, torqued to manufacturer’s specifications and safetied. Performed a test flight with no fluctuation in oil temperature or pressure. Found that the CHT was inoperative. Removed the cowling and found the CHT wire was broken at the terminal. Installed a new terminal. Re-cowled the engine. Performed an engine ground run and the CHT operationally tested satisfactory.
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH20-1A-1, torqued and safetied. Added 7 quarts of Aeroshell 15W-50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

Signature: Alan Desrosiers
Date: 2/1/2013, W/O: 14766
Infinity Aviation Services LLC
FAA Certified Repair Station #6FR92Y

Date: 3/21/2013; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1984.90; Total Time: 1984.90
* Removed the engine m/n TSIO360MB98 S/N 279348-R and sent to Continental Motors Factory Service Center for sudden engine stoppage inspection.

Signature: Alan Desrosiers
Date: 3/21/2013, W/O: 14799
Infinity Aviation Services LLC
FAA Certified Repair Station #6FR92Y

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Date: May 22, 2013
Engine Model: TSIO360MB98
Engine S/N: 279348
Engine T.T.: 166.7

CONTINENTAL MOTORS FACTORY SERVICE CENTER
MATTITUCK SERVICES

This engine was delivered to Continental Motor’s Factory Service Center for inspection due to a propeller strike. Engine disassembled and inspected in accordance with CMI SB 96-11. The following items were replaced: R/H Magneto SN D081A085R removed and SN D13EA033R installed, L/H Magneto SN D08HA130R removed and SN D13EA085R installed, 12 ea Lifters PN 658106 replaced with new, Starter Adapter PN R-6530744A47 replaced, Alternator Coupling replaced, and Cylinder SN ACO8EA27 removed and SN AC13CA295 installed. Remaining Cylinders were disassembled, cleaned, and repaired as required for serviceable condition. Crankshaft was recertified IAW MS896-10A. Engine assembled in accordance with CMI overhaul manual X30596. Revision Date August, 2011 using new seals, gaskets and "O" rings. New connecting rod bolts, nuts and bearings and crankshaft bolts and bearings installed. Applicable Service Bulletins and Airworthiness Directives have been complied with. This engine has been tested in accordance with procedures listed in overhaul manual X30596 and has been accepted. I certify that this engine has been inspected and repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility. Work Order ES-1049

Complied with:
M72-11, M81-25, M87-23, M90-13, M91-9, M93-4, MS896-10, MS896-10A, S800-3A, S803-3, S804-11, S806-5, S807-1, S808-13, S808-4, S809-14, S896-118, S896-12, S896-7C, and S897-6B

Authorized: 9CER8538

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Date: 7/01/2013; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1895.00; Total Time: 1895.00
* Received the repaired engine m/n TSIO-360-MBB s/n 279348-R (see 8130) and reinstalled on the airframe in accordance with manufacturer's specifications. Performed engine adjustments, ground runs and operational checks. Performed engine break-in flight.

Signature: Alan Desrosiers
Date: 7/1/2013, W/O: 14795
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y

INFINITY AVIATION
117 Perimeter Rd. / Nashua, NH 03060
FAA Certified Repair Station #16FR992Y

Date: 7/01/2013; Aircraft: N261CB; Type: M20K; S/N: 25-0391; Hobbs: 1895.00; Total Time: 1895.00
* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20K Maintenance Manual.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 7/1/2013, W/O: 114857
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y

LOGBOOK ENTRY
ENGINE

Name: Tyson Olds
W.O.: 9104
Date: 6/25/15
AC/SN: 25-0391

A/C: N261CB
Tach Time: 1967.7

100 Hour Annual
Appendix D & all related items

Removed and replaced oil filter with new P/N CH481081. Added 3 quarts of Aeroshell 15W30 oil to engine. Replaced all spark plug gaskets with new.

With respect to the work performed above, this aircraft is approved for return to service.

Signature: [Signature]
A&P 16129146
Flight Level Norwood LLC Maintenance
200 Access Rd., Norwood, MA 02062


DATE 7/APP/17 TECH HOBBS 2-023
TOTAL TIME 294.8 SMOH
AS OF THIS DATE I HAVE INSPECTED THIS AIRCRAFT 100% AND REFURBISHED APPENDIX D FOR ANNUAL/100 HOUR INSPECTION AND RETURNED TO SERVICE 33-1811 APA
## Engine Service and Maintenance Record

**Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins**

### 3/19/18

**Hobbs**

**Time Since Last Overhaul**

**Brought Forward**

<table>
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<th>Date</th>
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<th>Time Since Last Overhaul</th>
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<td>3/19/18</td>
<td>2049.4</td>
<td></td>
<td>3/19/18</td>
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</tbody>
</table>

- Drained engine oil & replenished with 8gts Aero shell 15W50.
- Removed cut & inspected oil filter, no metal found. Installed new CH48108-1 filter. Run up & leak check OK.

Signed: [Signature]

**Million Air**

**Gulfport-Biloxi**

9/4/18

Hobbs: 2064.8

1. C&W 100 hour inspection.
2. Compression test: #1 77/80 #2 73/80 #3 77/80 #4 76/80

I certify that this engine has been inspected in accordance with a **100HR/ANNUAL** inspection and was determined to be in an airworthy condition.

Blaine Wells IAT:36983651

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**Jet Air, Inc.**

Date: 8/14/2020, Aircraft: N261CB
HOBBSS:2103.1 CONTINENTAL TSIO-360-MB S/N: 279348-R ETT: 374.8
ETSMOH:374.8 W/O SHI-19-12602

- DRAINED OIL, REMOVED FILTER FOR INSPECTION; NO CONTAMINATION FOUND.
- INSTALLED NEW CH48108-1 AND SERVICED OIL WITH 8 QTS AERO SHELL 15W-50 OIL.
- COMPRESSION TEST RESULTS: #1 72/80, #2 75/80, #3 70/80, #4 84/80, #5 64/80, #6 71/80.
- CLEANED, GAPPED, AND CHECKED SPARK PLUGS. CHECKED MAG TIMING. INSPECTED FUEL INJECTION NOZZLES.

Complied with the following: Ground run operational and leak checks performed and found good at this time, and have found this engine to be in airworthy condition as of this date. I certify that this engine has been inspected in accordance with a **ANNUAL/100HR** inspection and was determined to be in airworthy condition.

Date 8-14-2020, Signed, For Jet Air, Inc.-IOW FAA CRS I2JR069B