

LightningBolt Aviation LLC  
2502 East Casey Drive  
Goddard Ks. 67052

W/O # 23-0320

Customer: Jason Dawson Aircraft Mfg: Cessna Reg. No. N2733G  
Model: 182B S/N: 182-52033, Tach: 1,052.5 TTAF: 10,023.1 Date: 1, August, 2024

**Installed new McCauley Propeller**, Spinner backing plate & spinner.  
Model: D3A34C401/90DFA-8, S/N 230977, with new O-ring P/N A1633-3 & AN hardware.  
**Installed rebuilt engine**, Continental TSIO-520-G1B, S/N 1006620, Northpoint XP-470, S/N 3417, connected fuel & oil hoses, engine controls, electrical & indicating systems.  
engine indicating and electrical connections.  
**Installed overhauled** propeller governor, P/N C290-D3-N/T5, with new gasket, P/N MS9144-01.  
**Installed new** Ward oil filter, P/N 873.  
**Cleaned, flushed**, and inspected all airframe fuel and oil hoses and lines, and reinstalled.  
**Reinstalled L/H & R/H** wings and struts with new AN hardware.  
**Reinstalled L/H & R/H** ailerons with new AN hardware.  
**Reinstalled L/H & R/H** flaps with new AN hardware & rollers.  
**Reinstalled Vertical** stabilizer with new AN hardware.  
**Reinstalled Rudder** with new AN hardware.  
**Reinstalled Horizontal** stabilizer with new AN hardware.  
**Reinstalled L/H & R/H** elevators with new AN hardware.  
**Installed new** L/H & R/H elevator & rudder bearings, P/N MS24462-4.,  
**Installed new** lower rudder bearing, P/N S1K-5.  
**Installed new** Aileron, Elevator, Rudder & flap control cables & pulleys, rigged all systems to Manufacturers specifications. P/N  
**Installed new** horizontal stabilizer trim jack screws P/N 1111, cables & chains, rigged system to Manufacturers specifications.  
**Installed new** horizontal stab trim boots, P/N MCO712500-18.  
**Installed new** horizontal stab trim wheel stop, P/N MCO713023-3.  
**Installed serviceable** starter P/N 646238-2, S/N H-D-261201.  
**Installed new** steering rod ends, P/N S1107-3.  
**Installed new** steering rod end boots, P/N MCO5430156-6.  
**Installed new L/H & R/H** main brake rotors, P/N APS164-02601.  
**Serviced & bled** L/H & R/H main brake systems, serviced with MIL-H-5606 fluid.  
**Resealed & serviced** nose gear strut, kit P/N MCSK-172F, & serviced with MIL-H-5606 fluid and air.  
**Resealed L/H & R/H** main brake calipers with ne O-rings, P/N MS28775-222.  
**Resealed L/H & R/H** main brake master cylinders with new O-rings, P/N MS28775-110.  
**Installed new** L/H & R/H main brake linings, P/N APS66-1500.  
**Cleaned, Inspected** and repacked all wheel bearings, no defects noted.  
**Cleaned, inspected** & reinstalled airframe fuel filter, no defects noted.  
**Installed new** nutplates on the air filter housing, P/N MS21059-L3.  
**Installed new** air filter, P/N BA-8103-1.  
**Installed new** rivets on the L/H & R/H aileron balance weights, P/N AN470A4-12.  
**Installed new** rivets on the firewall boot cowl skin as needed, P/N CR3212-4  
**Fabricated & installed 2" X 3"** doubler on the cabin floor skin aft of the flap handle tunnel, fabricated from .032 2024-T3 aluminum.

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W/O # 23-0320

Date: 1, August, 2024.

**Installed new ELT** battery P/N 217-406-001, expiration Date<sup>n</sup> 1, November, 2028.  
**Accomplished annual ELT** inspection IAW FAR 91.207 (D), no defects noted.  
**Installed new** position strobe switch, P/N MS35058-22 with new 16 gauge wiring, P/N 11-14416.  
**Installed new** nutplates on the lower fuselage for the camera hole cover, P/N MS21059-L3.  
**Installed new muffler**, P/N CM0001.  
**Installed new muffler** heat shroud, P/N A0750161-67.  
**Installed new** scissors link hardware/bushing kit, P/N TL-KT-1.  
**Installed new** landing light lens, P/N W-2212.  
**Installed new** isolation boot, P/N MS25171-45-7B, on the main battery positive terminal wire.  
**Installed overhauled R/H** fuel bladder, P/N 0726001-10E, S/N 356.  
**Installed serviceable** L/H & R/H fuel level sending units P/N 0726110-1 with new gaskets.  
**Installed serviceable lower** scissors arm, P/N 0543034-497.  
**Installed serviceable** carburetor air heat box P/N 0750144-21 with a new gasket, P/N SA25135.  
**Installed new** bracket air filter housing gasket, P/N 8101  
**Installed new** lower parking brake cable P/N MCO510105-70.  
**Installed serviceable** oil probe & gauge, P/N 442472 temp.  
**Installed serviceable** pilots upper aft door hinge, P/N 0711037-497.  
**Reinstalled engine** exhaust with new gaskets, P/N SA652458.  
**Installed serviceable** stall warning horn, P/N 02062-2.  
**Installed serviceable** nose wheel & tire assembly, P/N 9532926, S/N C-3877.  
**Fabricated and installed new** Pitot Heat power wire in the L/H wing, P/N MS22759/16-16-9.  
**Fabricated and installed** new nav light power wire in the R/H wing, P/N M22759/16-18-9.  
**Fabricated & installed new** starter to relay wire, P/N M22759-16-4.  
**Fabricated and installed Placards** on the inflight door.  
**Fabricated & installed** doubler on the forward lower corner of the pilots door,  
Fabricated from .032 2024-T3 Aluminum.  
**Fabricated & installed** new crankcase breather tubes, P/N 0500106-164 & P/N 0500106-250,  
Fabricated from 2024-O .035 X .75 aluminum tubing.  
**Installed serviceable** pilots lap belt and shoulder harness, P/N S-2275-CC-24.  
**Installed serviceable** center floor lap belts, P/N 502987-401-2251.  
**Installed serviceable** carburetor heat muff shourd, P/N 0750607-4 & 0750607-5.  
**Readjusted cargo** door latch. **Installed new Plane power** alternator P/N , S/N A2133700, connected all  
electrical connections  
**Installed new Kevlar L/H & R/H** steering boots, P/N MCO5430156-6.  
**Installed new** L/H & R/H ignition P-leads, P/N 11-06876.  
**Installed new & safetied** fuel shut off roll pin, P/N MS16562-25.  
**Installed new Isolation boots**, P/N MS25171-45-TB on the starter relay wire.  
**Installed new Isolation boot**, P/N MS25171-45-TB on the main battery relay.  
**Installed new JPI** RPM sensor, P/N 420815-1 & P-3 wiring harness P/N 165320.  
**Installed new** CHT Pobe, P/N AN5541-1.  
**Installed new JPI** manifold pressure sensor, P/N 604010, S/N 12774.  
**Installed new** EGT Probe, P/N 82655, with new wiring, P/N 10-18600.  
**Installed new** Mcfarlanes shimmy damper, P/N MCO442512-1.  
**Installed new** main aircraft battery, Gill G-35,  
**Installed new Plane power** alternator, P/N 10-1050C, S/N HY062075.  
**Installed new** alternator belt P/N 539547-31.19.

**Installed Emerging Lifesaving Technologies 406 ELT**, see FAA form 337 dated, 24, June 2024  
For installation details.

**Installed Mcfarlane** tailcone angle repair kit, see FAA for 337 Dated: 24, June, 2024 for installation details.

**Installed Selkirk** top cowling nose bow, P/N SA40-03, see FAA form 337, Dated: 24, June, 2024  
For installation details.

**Fabricated & installed** seat belt brackets, see FAA form Dated: 24, June, 2024 for installation details.

**Repaired aft tailcone**, see FAA form Dated: 24, June, 2024, for repair details.

**Repaired top cowling**, see FAA form 337 Dated: 24, June 2024, for repair details.

**Repaired bottom cowling**, see FAA form Dated: 24, June, 2024, for repair details.

**Repaired L/H & R/H flaps** see FAA form 337, Dated: 24, June, 2024 for repair details.

**Repaired Pilots side flap** control handle tunnel, see FAA form 337, Dated: 24, June, 2024, for repair details.

**The following AD's have been complied with.**

**AD: 75-16-01**, Installed new fuel quantity placards & inspected, no defects noted.

**AD: 76-0712**, Bendix ignition switches, complied with by inspection, no defects noted,  
Next due @ 10,123.1 Hrs. TT or 31, July, 2025.

**AD: 77-04-05**, Carburetor air box seal inspection, by inspection, no defects noted.

**AD: 77-23-11**, ELT coaxial cable inspection, by inspection, no defects noted.

**AD: 78-01-14**, Battery contactor cover inspection, by installation of new cover, P/N MS25171-45-TB.

**AD: 81-15-03**, Brackett air filter inspection, complied with by inspection, no defects noted.

**AD: 83-13-01**, Improper fuel cap sealing, by installation of new placard & inspection, no defects noted,  
Next due @ 10,123.1 Hrs. TTAF or 31, July, 2025.

**AD: 84-10-0-R1**, Bladder fuel cells & quick drain inspection, no defects noted, next due @ 10,123.1 Hrs.  
TTAF or 31, July, 2025

**AD: 97-01-13**, Fuel & oil hose inspection, complied with by inspection, no defects noted.

**AD: 98-16-04**, Wing lower cap angle stiffener inspection, complied with by inspection & verified  
installation of the stainless steel strap.

**AD: 04-19-01**, Pilot & Co-Pilot shoulder harness inspection, by inspection, no defects noted.

**AD: 11-10-09**, seat track & roller inspection, complied with by inspection, no defects noted,  
Next due @ 10,123.1 Hrs. TT or 31, July, 2025.

**AD: 20-21-22**, Tailcone & horizontal stabilizer inspection, by inspection, no defects noted,  
Next due @ 10,523.1 Hrs. TTAF, or 31, July, 2029.

Performed ground operational/leak checks, no defects noted.

**End**

All maintenance performed on this aircraft was performed  
in accordance with current regulations of the Federal Aviation  
Administration and the manufacturers instructions.

This Aircraft has been inspected IAW an annual  
inspection and has been determined to be  
in an Airworthy condition and is returned to  
Service. IAW Cessna 182B AMM & FAR 43 (D)

Signed: 

Date: 1, August, 2024

**Steven B. Van Horn**  
A&P 3693809 IA

LightningBolt Aviation LLC  
P. O. Box 875  
Goddard Ks. 67052

W/O # 23-00320

Customer: **Jason Dawson** Aircraft Mfg: Cessna Reg. No. N2733G  
Model: 182B S/N: 182-52033 Tach 1,052.5 TTAF: 10,023.1 Date: 24, June, 2024  
Engine Mfg: Continental, Model: TSIO-520-G1B S/N: 1006620 TTE: 0.0 TSMOH 0.0  
Modified: Northpoint Model: XP-470 S/N: 3417

**Modified Engine** IAW STC: SE4988NM, See FAA form 337, Dated: 24 June, 2024  
For modification details.

Performed ground operational/leak checks, no defects noted.

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**End**  
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All maintenance performed on this engine was performed in accordance with current regulations of the Federal Aviation Administration and the manufacturers instructions and is approved for return to service with respect to the work performed.

Signed: 

Date: 24, June, 2024

**Steven B. Van Horn**  
A&P 3693809 IA

LightningBolt Aviation LLC  
P. O. Box 875  
Goddard Ks. 67052

W/O # 23-00320

Customer: Jason Dawson Aircraft Mfg: Cessna Reg. No. N2733G  
Model: 182B S/N: 182-52033 Tach 1,061.7 TTAF: 10,032.3 Date: 8, August, 2024  
Engine Mfg: Continental Model: TSIO-520-G1B S/N: 1006620 TTE: 9.2 TSMOH 0.0  
Modified: Northpoint Model: XP-470 S/N: 3417

**Drained Oil** and serviced with 12 Qts. Of Aeroshell 100 straight mineral oil, cut open and inspected oil filter, no defects noted, installed new Champion oil filter, P/N CH48105-1.

Performed ground operational/leak checks, no defects noted.

-----**End**-----

All maintenance performed on this engine was performed in accordance with current regulations of the Federal Aviation Administration and the manufacturers instructions and is approved for return to service with respect to the work performed.

Signed: 

Date: 8, August, 2024

Steven B. Van Horn  
A&P 3693809 IA

LightningBolt Aviation LLC  
P. O. Box 476  
Waiialua HI. 96791

W/O # 23-0320

Customer: Jason Dawson Aircraft Mfg: Cessna Reg. No. N2733G  
Model: 182B S/N: 182-52033, Tach: 1,052.5 /TTAF: 10,023.1 Date: 1, August, 2024  
Propeller Mfg: McCauley, Model: D3A34C401/90DFA-8 S/N: 230977 TSO: 0.0 TSN: 0.0

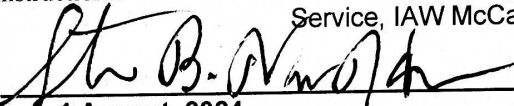
**Installed New Propeller** on N2733G with a new O-ring P/N A1633-3 and new hardware.  
**Updated AD listing.**

Performed ground operational/leak checks, no defects noted.

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All maintenance performed on this propeller was performed in accordance with current regulations of the Federal Aviation Administration and the manufacturers instructions.

This Propeller has been inspected IAW an annual inspection and has been determined To be in an airworthy condition and is returned to Service, IAW McCauley PMM & FAR 43 (D)

Signed: 

Date: 1, August, 2024

Steven B. Van Horn  
A&P 3693809 IA

LightningBolt Aviation LLC  
P. O. Box 476  
Goddard Ks. 67052

W/O # 23-0320

Customer: Jason Dawson Aircraft Mfg: Cessna Reg. No. N2733G  
Model: 182B S/N: 182-52033 Tach 1,052.5 .TTAF: 10,023.1 Date: 1, August, 2024 .  
Engine Mfg: Continental, Model: TSIO- 520-G1B S/N: 1006620 . TTE: 0.0 TSMOH: 0.0.  
Modified: Northpoint Model: XP470. S/N: 3417.

**Installed Engine** on N2733G, connected all engine controls fuel & oil lines, engine indicating and electrical connections.

**Serviced** with 12 Qts. Of Aeroshell 100 straight mineral oil.

**Installed new** Ward Aero Flo oil filter P/N CH873.

**Installed new** Alternator output shaft seal, P/N 534938.

**Installed serviceable** starter P/N 646238-2, S/N K-149728.

**Installed overhauled Carburetor**, P/N 10-4893-1, S/N 3986319 .

**Reinstalled Plane power** alternator P/N SAL12-70C, S/N A2133700,  
connected all electrical connections.

**Installed new** alternator belt P/N 539547-31.19.

**Engine compressions**, #1. 78/80, #2. 74/80, #3. 74/80, #4. 74/80, #5. 76/80, #6. 74/80.

**Verified Magneto** to engine timing, L/H @ 22 degrees BTDC, R/H @ 22 degrees BTDC.

**Cleaned, inspected**, tested & installed spark plugs, Champion P/N RHM38E on all cylinders.

**Updated AD Listing.**

Performed ground operational/leak checks, no defects noted.

-----**End**-----

All maintenance performed on this engine was performed in accordance with current regulations of the Federal Aviation Administration and the manufacturers instructions.

This Engine has been inspected IAW an annual inspection and has been determined To be in an airworthy condition and is returned to Service, IAW Continental service manual & FAR 43 (D)

Signed: 

Date: 1, August, 2024 .

Steven B. Van Horn  
A&P 3693809 IA