

# *Your Mooney Deserves*

- Greater Resale Value
  - 5% More Horsepower
  - Better Climb Rate
  - And to Fly



**FASTER**

**Lycoming Echelon  
STC**

**IO-390-A3A6**

**210 Horsepower @ 2700 RPM**



# Requirements

Mooney M20E serial number  
690001 and up

Mooney M20F or J

Hartzell 2 or 3 Blade Prop

## What is Included with STC

New or Rebuilt IO-390-A3A6  
210 Horsepower  
2000 Hour TBO

Slick Start System

Misc. Installation Hardware

STC SA09695AC Kit Selections IO-390-A3A6	Airframe Applications		
	M20E & F	M20J Removing IO-360- A1B6D or A3B6D	M20J Removing IO-360-A3B6
Engine Kit--New	\$42,095.00		
Engine Kit--Rebuilt	\$31,525.00		
Hartzell 3 Blade Spinner Kit	\$9,195.00	\$9,295.00	
Hartzell 2 Blade Spinner Kit	\$7,595.00	\$7,995.00	

# Engine Price Comparisons

Factory Original Engine & G&N Aircraft Inc Engine Overhaul			
	<i>IO-360-A1A</i>	<i>IO-360-A3B6D</i>	<i>IO-360-A3B6</i>
<b>Factory Engine New</b>	\$40,645.00	\$43,795.00	\$41,685.00
<b>Factory Engine Rebuilt</b>	\$29,075.00	\$32,240.00	\$30,240.00
<b>Factory Overhauled Engine</b>	\$26,075.00	\$29,240.00	\$27,240.00
<b>G&amp;N Aircraft Inc Overhauled</b>	\$23,455.00	\$24,455.00	\$23,455.00

G&N Aircraft, Inc. is an F.A.A. Certified Repair Station (MW2R020L), which began operation in 1961, founded by Paul Goldsmith and Ray Nichols. Our staff has combined experience of over 570 years and over 20,000 engines built making it an easy choice when deciding on whom to overhaul your Mooney engine. If you are considering this upgrade think G&N Aircraft for all of your Mooney needs. Our staff is happy to discuss your upcoming engine and airframe needs; give a tour of our facility and schedule your maintenance.

## *We Are The Engine Overhaul experts!*

Since 1961, G&N Aircraft has produced over 20,000 engines. Our staff has over 550 years of combined experience in general aviation. G&N is a FAA certified repair station (MW2R020L) specializing in the overhaul & repair of engines and engine accessories. We have the in-house capabilities to overhaul most engine components that normally put other shops at the mercy of outside vendors, allowing us to tightly control our quality. Our convenient location is just 20 miles south of Chicago at the Griffith-Merrillville Airport (05C), in Griffith, Indiana, and we are easily accessible by air & highway.



**Contact Information:**

**G&N Aircraft, Inc  
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**Northwest Aviation  
Maintenance Inc.  
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# Northwest Aviation Maintenance, Inc

## Service Schedule

Routine Maintenance & Additional Services	Airframe Applications		
	M20E & F IO-360- A1A	M20J IO-360- A1B6D or A3B6D	M20J Removing IO-360- A3B6
Removal & Installation	\$1,942.00		
Slick Start Installation	\$320.00 Required for IO390 Conversion		
Annual Inspection	\$1,920.00		
New Lord Mounts	\$650.00		
New Fluid Carrying Hoses	\$730.00	\$920.00	
New Tempest Vacuum Pump	\$465.00		
Alternator-(Plane-Power)	\$585.00		
Prop Governor(Overhaul)	\$725.00 to \$2,150.00		
Prop Governor (PCU5000)	\$1675.00 if available (A1A Only)		
McCauley Governor	\$2,415.00		
Conversion Kit		\$650.00	
<b>Additional Services</b>			
Propeller Balance	\$240.00		
Aircraft Weighing	\$240.00		
Corrosion X @ Annual	\$320.00		
Corrosion X Alone	\$480.00		
Pitot Static Testing (G&N)	\$320.00		

Northwest Aviation Maintenance, Inc is your full service maintenance provider. Whether you need an oil change, annual inspection or extensive repairs, Northwest Aviation Maintenance Inc. can handle your aircraft. Each of our staff holds an Airframe & Powerplant rating along with an Inspection Authorization.

Rest assured that your airframe or engine work will be completed to the highest standards. Our affiliation with G&N Aircraft Inc, allows us to handle quick turns on engine accessory and cylinder work.

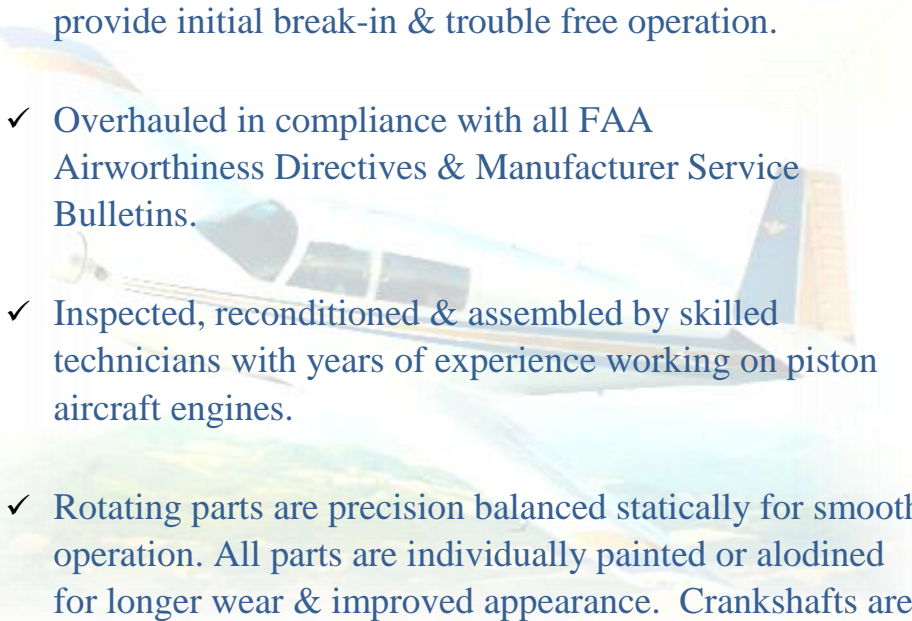


Call us for an estimate!

## ***Mooney STC Facts***

Serving Size:	One Fast Aircraft
Climb Rate	Up to 150 F.P.M. Gain
Horsepower Gain	10 More Horsepower
Cruise Speed	4 to 5 knot increase
Resale Value	Greater
Propeller Options	2 Blade Hartzell 3 Blade Hartzell
RPM/MP Restriction	Eliminated
Engine TBO	2000 Hours
Roller Tappet	All engines

# *Every G&N Aircraft Engine is:*

- ✓ Produced to factory new fits & tolerances without exception for long term durability.
  - ✓ Built using genuine original equipment manufacturer replacement parts, with limited exceptions.
  - ✓ Thrust load dynamometer tested for 3 to 4 hours to provide initial break-in & trouble free operation.
  - ✓ Overhauled in compliance with all FAA Airworthiness Directives & Manufacturer Service Bulletins.
  - ✓ Inspected, reconditioned & assembled by skilled technicians with years of experience working on piston aircraft engines.
  - ✓ Rotating parts are precision balanced statically for smooth operation. All parts are individually painted or alodined for longer wear & improved appearance. Crankshafts are dynamically balanced.
  - ✓ Covered by a complete parts & labor warranty for one year. Thereafter the engine (excluding accessories) is warranted pro-rata parts & labor to the manufacturer recommended TBO.
  - ✓ Engines customized through STC's & approved aftermarket upgrades at customer request.
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# Capabilities

## G&N Aircraft, Inc.

- Custom Engine Overhaul & Repair
- Accessory Overhaul & Repair
- Magnetos
- Starters
- Fuel Injection Systems
- Turbo Controllers
- Cylinder Overhaul, Repair or Exchange
- Authorized Lycoming Distributor
- Authorized Teledyne Continental Motors Distributor
- Precision Airmotive Warranty Repair Center
- Marvel-Schebler® Carburetor Warranty Center
- Pitot-Static Testing

## Northwest Aviation Maintenance, Inc

- 100 Hour/Annual Inspections
- Engine Removal & Installation
- Oil Changes
- Corrosion X Applications
- Aircraft Weighing
- Dynamic Prop Balance

## Griffith Aviation, Inc.

- Full FBO Services
- 100LL & Jet A Available
- Computer Based Weather
- Hangar & Tie Down Space
- 4900 x 75 Runway—2 Light PAPI
- VOR 8 & GPS 26 Approaches