

Maxwell Propulsion Systems, Inc.

19132 59th Drive NE, Arlington, WA 98223

Phone 360.474.8118

Fax: 360.474.8299

www.maxwellpropulsion.com

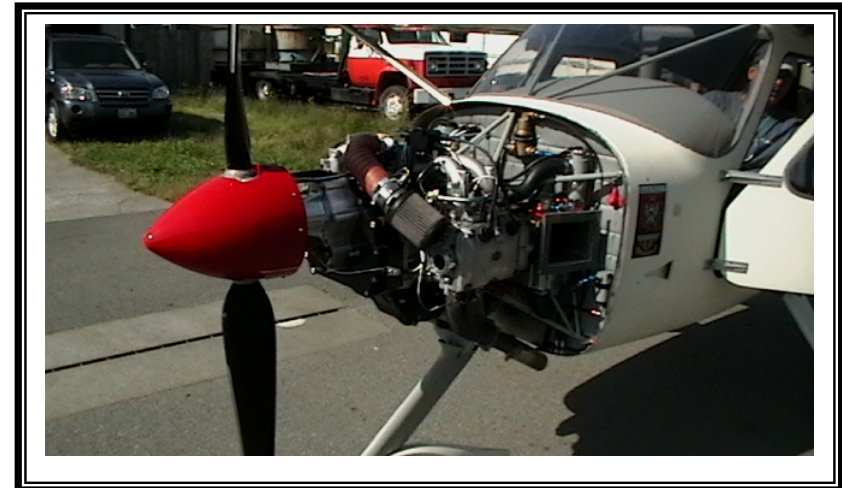
email: gmaxwell@maxwellpropulsion.com

Specifications

Subaru Engine	New STI Turbo Short Block. Genuine Subaru engine components. No remanufactured parts. Short block, race engine-balanced, and clearance verified. Re-assembly with torque specifications and techniques; assembly logs maintained.
Manufactured Parts	Manufactured parts use certified aircraft quality materials and hardware.
Delivery	Delivery of engine, electrical system, and/or PSRU generally within four (4) weeks after order placement. Delivery of MPS CAP 220, 6-8 weeks after order placement; delivery of VariProp products negotiated at time of order.
Payment Terms	\$500 refundable deposit per system <i>i.e. engine, electrical, prop, PSRU</i> , up to a maximum of \$1500. Balance due prior to shipping.
Warranty	Products warranted two years after purchase or one year following first flight, whichever occurs first.

Product Features and Specifications

MX1 - Normally Aspirated Engine	
Engine	<ul style="list-style-type: none"> Subaru 2.5 STI Turbo short block; Stock 2.5 NA Heads
Component Systems	<ul style="list-style-type: none"> Cooling, lubrication, exhaust, intake, fuel, alternator, ignition
Horsepower	<ul style="list-style-type: none"> 165 hp
Crankshaft Torque	<ul style="list-style-type: none"> 170 ft lbs
Propeller Torque	<ul style="list-style-type: none"> 360 ft lbs
Lubrication	<ul style="list-style-type: none"> 20-50 wt oil
Fuel	<ul style="list-style-type: none"> 87 octane MOGAS; 100 LL <i>requires additive</i>
Fuel system	<ul style="list-style-type: none"> Return-less system with air/fluid separator; dual high/low pumps
Maintenance	<ul style="list-style-type: none"> Per Subaru recommendations
Testing	<ul style="list-style-type: none"> Engine test run Controlled engine break-in <i>optional</i> Calibrated dynamometer test/printout <i>optional</i>
TBO	<ul style="list-style-type: none"> 1500 hrs <i>initial recommendation</i>
Electrical System	
Standard	<ul style="list-style-type: none"> Subaru coil, plugs, wires
Ignition probes	<ul style="list-style-type: none"> Optional Dual
Computers	<ul style="list-style-type: none"> Standard Single; Optional Dual
MPS In-Flight Adjustable Propeller	
Weight	<ul style="list-style-type: none"> 2-blade propeller: 23 lbs; Spinner: 5 lbs
Pitch Adjustment	<ul style="list-style-type: none"> Standard: Locked to flyable range; Option: Up to 70° change
Pitch Control	<ul style="list-style-type: none"> Electronic
Blade Mfg.	<ul style="list-style-type: none"> Whirlwind
TBO	<ul style="list-style-type: none"> 1500 hrs <i>initial recommendation</i>
MPS PSRU	
Weight	<ul style="list-style-type: none"> 73 lbs
Gear ratio	<ul style="list-style-type: none"> 2:13:1 standard
Vibration control	<ul style="list-style-type: none"> Lords Elastomeric Coupler
Gear Profile	<ul style="list-style-type: none"> Helical Cut - Carburized & Ground
TBO	<ul style="list-style-type: none"> 1500 hrs <i>initial recommendation</i>
Gear Standard	<ul style="list-style-type: none"> AGMA Quality Level 10



This system is not FAA approved and is intended for experimental use only. Updated 7/25/2008