



Maxwell Propulsion Systems, Inc.

Super Novo Vias

19132 59th Dr. NE

Arlington WA 98223

360.474.8118 Phone; 360.474.8299 Fax

Maxwell Propulsion Systems May 2007 Update

This has been a pretty busy time around MPS, along with the coming of spring we have made continued progress in terms of product development. In fact, it was so busy, that the March and April updates slipped by unwritten! So, as penance for this oversight, we sent Gwen on a week-long cruise, and made her promise to do one for May.

PROP PITCH INDICATOR

We are very pleased to announce that we successfully made the required modifications to the new MPS prop pitch indicator that will make it retrofittable to the CAP 200!

Unfortunately, these changes resulted in delays in producing the circuit boards. We currently have the prototype for the prop hub board and should receive the digital readout board this week. Once testing is complete, arrival of the boards should be within 5-7 working days. The housing for the digital readout continues to cause some headaches, and there is one critical component that is on backorder until May 28th, but with luck we should be ready for delivery in early June.

VARIABLE PITCH PROPELLER

Our thanks again to Peter Nalis! After several efforts (and several weeks), we completed flight testing to finalized the size of the pitch control blocks. We are anxiously awaiting the arrival of the final components...spinner, backing plate, bulkhead support, and wire shield, from our machine shop. We have also have one set of blades! That means that we will be ready, willing and able to ship the first MPS Variable Pitch Propeller to some lucky customer.

PSRU

We are also pleased to report that we have prints for all key components of the new PSRU. Jim Vanek of Sport International is working with Larry Kerr on an engineering analysis and review. We had a meeting with the machine shop and have issued a purchase order for 25 units. We also placed a purchase order for the pinion and driven gears as well as the prop shaft. Delivery for all components is scheduled for mid/late July.

INVENTORY REDUCTION

If you have not already checked it out, you really should do so...there are lots of good things. In addition to what is pictured on the site, we also found a couple of brand new, in the box items that might prove useful to folks:

#	Item	Retail \$	Sale \$	Application
1	Set piston rings	\$150.00	\$90.00	EJ 22
1	Set belt covers	\$130.00	\$80.00	EJ 25
4	Bosch oil filters #72181	\$6.12	\$3.00	EJ Engine
50	BR7ES spark plugs	2.15	\$1.00	EA81 engines
4	Fram oil filters #PH3512	\$5.63	\$2.50	
8	Bosch oil filters #72133;	\$4.40	\$2.00	

A40/PINION GEAR INSPECTION

As recommended in our February Update, several customers have ordered Sprague clutches for their A40. As a reminder, at a minimum, replacement of the clutch is particularly important for **anyone** who has experienced hard-start problems with their engine. We have a supply of clutches in stock and will make them available at our cost of \$170 plus shipping. If, on inspection there is damage to any of the A40 components, please contact us discuss alternatives for correcting the problem.

In addition to the A40 inspection, we again remind folks to inspect the pinion gear. The two key issues are whether 1) the bolt bottoms out on the washer, and 2) there is a good fit on the taper between the pinion gear and the input shaft. If the bolt does not bottom out, we have a new (shorter) bolt that is available for \$5.00 + \$1.00 shipping (domestic). If the pinion gear and input shaft are not well matched, please contact us to discuss alternatives for correcting the problem.

TEC 3s

Our thanks to Dave Read who agreed to test all the “TEC 3” units we had in stock. As a result of his work, we have a few “known to be working” units. If anyone is interested in purchasing a backup unit for their system, please give us a call.

SPORT INTERNATIONAL

Jim Vanek reports that he is seeing the end of the tunnel for getting his new tandem seat gyrocopter ready for test flights. <http://www.sportcopter.com/supersport.php>. It has been a long struggle, but the huge level of interest in this application is excellent news for both him and MPS! Given his sales and marketing plan MPS expects to be in major production mode by mid summer. The perhaps, not so good news for retail customers, is that the lead times may be longer than desired. If you are interested in purchasing any major components, please contact us sooner rather than later so we can work with you to meet your needs.

MPS WEBSITE

We now have our website www.maxwellpropulsion.com up and running. It remains rather a basic format, but we plan to continue adding features and items as we finalize documents and other support materials. Of particular note is that rather than using this excellent, but rather limited forum, we will be posting these progress reports on our web site. So after this, remember to visit our web site often and check out the news!

Best Regards and Safe Flying,

Maxwell Propulsion System Staff