



Light Sport Repair E-Flyer

Check out our new lower prices on our online store:
<http://www.lightsportrepair.com/products.htm>

We carry Pennzoil 2 cycle air cooled engine oil

AUGUST 25, 2009

NUMBER 11

150/300 582 ENGINE COURSE

(C65) Light Sport Repair Services, Inc.

10/23/09 – 5:00-9:00 pm
10/24/09 – 8:00–5:00 pm
10/25/09 - 8:00–5:00 pm

Many pilots have expressed an interest in learning how to do a 150/300 hr engine inspection. We have scheduled a class.

http://www.lightsportrepair.com/150_hr_rotax_inspection.htm

We will teach you how to tear down and inspect your 2-stroke Rotax 582 engine. The inspection will include the ignition system, cooling system, lubrication system, carburetion and the gearbox. You will be learning how to disassemble, clean, inspect and reassemble your Rotax 582 with new gaskets and seals. The 300 hour inspection will teach you how to also install a new crankshaft, new pistons, rings, wrist pins, rotary valve shaft, rotary valve shaft gear and bearings.

If you would like to attend the course please call for details (574)948-0065
Or email us at:
services@lightsportrepair.com

You can bring your engine to the course and we will have all of the parts that you will need to do either the 150 hour or the 300 hour inspection.

1ST ANNUAL MICHIANA FLY-IN

A great time was had by all at the 1st annual Michiana Fly-in on August 8th-9th at the Plymouth, IN Municipal Airport hosted by Brian and Nancy McCallen of Light Sport Repair Services. We had several campers for the weekend from Indiana, Michigan, Ohio and Pennsylvania. Although Mother Nature did not create good flying weather, everyone had a great time talking to old friends and meeting new ones. We had a few hundred people come through the gates and mingle, eat and buy raffle tickets.

We had a large supply of prizes for the raffle and we raised \$621.00 for the Marshall County Boys and Girls Club. Rasta Joe's BBQ served a delicious chicken dinner on Saturday Night; we served 100 people for dinner.

A special thanks to the very best volunteers in the world, you all did a wonderful job and we were very fortunate to have you all here helping us with this event.

We are looking forward to making this an annual event here at the Plymouth Airport. We have been getting great feedback from all who attended; the only complaint was the weather!



FLY-INS & EVENTS

**Saturday,
September 5, 2009**

19th Annual Fly/In
Cruise/In at Marion
Municipal Airport in
Marion, Indiana
<http://www.FlyInCruiseIn.com>

Sept 17-20, 2009

2009

Powrachte Extravaganza

Will Rogers Downs
20900 South 4200 Rd.
Claremore, Oklahoma
www.powrachte.com

**Friday, October 9,
2009**

**Smokey
Mountain Fly-in**
October 9-11, 2009

Midwest LSA Expo
October 1-3, 2009. Mt.
Vernon Outland
Airport, Mt. Vernon,
Illinois. Midwest LSA
Expo. Inc
Midwest LSA Expo

2009 PPC Championships!

The PPC
Championships are
on their way to
TEXAS!
October 14th-18th
Wharton Airport
60-miles SW of
Houston, TX
**All PPC Pilots are
welcome!**
klwilson@consolidated.net

ELECTRICAL SYSTEM

The engine is equipped with a breakerless 12V 170W Ducati capacitor-discharge dual ignition system (447 UL SCDI is only equipped with a single ignition unit). It consists of a flywheel magneto generator, 2 double ignition coils complete with integrated control-circuit and 2 external trigger coils (pick-up). The 12-pole flywheel generator is an outer rotor type with 12 integrated permanent magnets. The stator is equipped with 12 coils. 8 of them are used for feeding auxiliary equipment and 4 are used for the dual ignition. The gray cable is foreseen for connection of a revolution counter.

FUNCTION OF THE IGNITION UNIT:

Two charging coils fitted on the generator stator and independent from each other each feed one ignition circuit. The energy supplied is stored in the ignition capacitor. At the moment of ignition the external trigger coils supply and impulse to the control circuits and the ignition capacitors are discharged via the primary winding of the ignition coil. The secondary winding supplies the high voltage for the ignition spark.

LIGHTING CIRCUIT:

In the stator 8 lighting coils are incorporated. The output is 170W A.C. at 6000 l/min. This alternating current can be used directly to feed A.C. consumers, or via a rectifier-regulator for loading a battery and feeding direct current consumers. To avoid the voltage to rise above permissible levels, a voltage regulator is required. To operate loads requiring direct current (e.g. charging battery), a rectifier-regulator is required. A rectifier-regulator, part#866-080, is available. As a power supply for lights only. This rectifier-regulator can be used without a battery. In this case the regulated RMS voltage will be between 11 and 12 Volts as long as a minimum load of 1 amp is provided. If a battery is used it must be capable of absorbing approximately 1 amp minimum continuous charging load, even with full charge (suggested minimum battery capacity: 9 amp.h, resp.16 amp.h with electric starter). Regulated voltages are 13.5 to 14.5 volts. When using 3-phase rectifier-regulator 264-870 no minimum load is required.



PARACHUTE
AIRWORTHY INSPECTION
& REPAIRS ON SITE
\$125.00

Includes a series of tests to determine airworthiness. The result of this inspection is a document recording the pass/fail of each test performed. We test & record the fabric porosity, line strength, fabric rip strength, attachment points, seams, line trim and more. During the inspection we also record any physical damage that we recommend for repair & provide an estimate.

**16 Hr. Repairman
 Inspection Courses
 PPC & Airplane**

Call us for Details

PRE-OWNED PPC'S http://www.lightsportrepair.com/for_sale.htm



PRICE REDUCED

**2001 Buckeye Skyhawk \$9,500 N
 Numbered**
 - 2 seat 230 hours, Neon Yellow
 w/black trim & Seats -Electric Start, 6
 Blade Ivo Prop, Radiator Louvers, Disc
 Brakes, Saddle Bags, -Glide Shield,
 Rotax 582 Blue Head



**2002 Buckeye Hornet
 N56980**
Honda Gold Wing Seats
9.5 hours
582 Rotax Blue Head
Elan Red White & Blue
Parachute
64" 3 blade Ivo Prop
\$10,000 or Best Offer
A very unique PPC



**2000 Candy Apple Red Six
 Chuter SR7-XL frame with
 Grand Rapids instruments,
 radiator, and dual throttle
 cable.**
\$2500 or best offer

**2003 Blue Destiny XLT
 frame with Grand Rapids
 Instruments, radiator and
 dual throttle cable and wide
 rear knobby tires**
\$1500 or best offer

