Canterbury J class Owners Association Newsletter

July 2015

Hi to all members it's been a few months since our last newsletter, there have been a few changes since then, I will try to fill you in on all I can.

INCORPORATED SOCIETY
We are now an officially registered incorporated society. This has been initiated to protect your funds, your Committee members as well as assist us with gaining ownership of the boat and the class rules. Cyrus Berry has been busy organizing this for us and we are now fully registered with the company's office. Thank you Cyrus for your efforts in organizing this for us.

EVENTS COORDINATOR
We now have an events coordinator, Lloyd Harman and he is assisted by Wes Purvis.
They will set up our calendar of events for the year and arrange R/Os for these events.
The first event they will look after will be the AULDE MUG, our handicap event , we as a committee have completed a handicap list that should be reasonably fair to everyone, however if Lloyd or Wes see fit this can be changed at any time.
The Aulde Mug venue is yet to be confirmed, but is possibly going to be at Ferrymead on a Sunday, this will be a great day so the more that participate the better. It is NOT necessary to have a measured boat for this event, but it is always a good thing to have your boat measured so you can enter J Association annual Champs.

EC12 V. J Class
The EC12 J class match racing event that Tom Arthur & Rod Liddy have organized the last couple of years has been and gone with the Js allowing the EC12s to win once again, a good days sailing was had by all.
Thanks Tom & Rod for your efforts.

PROCEDURES CALENDAR
An events operations manual is being developed by Leon. This is so that any incoming committee are able to continue to run the association in a similar manner as they are now. It will save reinventing the wheel and allow the smooth running of events and be able to have a similar timetable each year without forgetting anything.

J CHAMPS 2016
The champs are at the moment set for 1st and 2nd Saturdays in April with back up days to be advised. This will be confirmed as the CMYC develop their calendar as we fit in with them.
The venue will be Lake Victoria. I will remind you as the year ticks by.

MEASUREMENT CERTIFICATES
If you need your boat measured contact Leon Blewett, Graeme Raxworthy or Peter Vincent. Peter is in Ashburton so if you are in that direction he may be able to assist.
PH. Leon 3857170

PH Graeme 3322765

PH Peter 033086239

SAILS
Just a word on new sails.
If you are ordering new sails, ask your sail maker to check our web site for all measurements. This can save any tears when we measure them. This applies to positioning of sail numbers as well.

NORTH ISLAND Js
We have had an inquiry from a model yachty in Tauranga as to the number of Js in the North Island he is thinking of trying to revive the interest up there, so if you know of anyone up north with a J can you let us know, we will pass that info on.

Canterbury J class Owners Association Newsletter

NZRYA (NZ Radio Yachting Association)
WE are now in our second year of affiliation, giving our boat National Recognition .We need to have a minimum of 5 J class boats registered with the national body, so if you are affiliated with NZRYA with another class and you own a J could you also register your J with them, it is a very minimal cost extra to register another boat.
Leon is meeting with the NZRYA on our behalf to get a better idea of what they are all about and any benefits to us. He may report further in newsletter.

BOAT TUNING
If you are having any issues tuning your boat, feel free to approach Leon or Lloyd at the lake for advice.
Also any problems with electrics see Leon or myself we may be able to help.

NEW BOATS
We are now up to boat no. 270.

BOATS FOR SALE.
If you have a boat for sale we can advertise in newsletter for you or post on web site at no cost to J ASS financial members.
There are new boats available for purchase with RMG smart winches and all radio gear if needed.

JASS EQUIPMENT
We have a reasonable amount of gear that has accumulated over the years, and we feel that it is time that it was all stored in the one place.
On behalf of J Ass, Leon has approached CMYC to use a portion of the storage they have at the clubrooms so we can have our gear centrally located rather than spread amongst various committee members. the request was met with a favourable response. Thank you to CMYC committee.
Leon, myself and Vern R are going to arrange a suitable time and have a clean up at clubrooms Lake Victoria. The idea is to make a space in a locker under where the boats are stored. Helpers will be welcomed, we will advise the date later.

I have added the article Leon did for the results sheet below

This is a bit of a follow on from Peter's mentioning of voltage regulation on one of the results sheet. It is something I have spent a lot of time on with my RC planes and have used some of that knowledge on my boat.

We all have different power supplies and available voltage & use them in different ways in our boats. Regardless of how you power the receiver, winch and rudder servo you may not be aware of just what voltage is going to them. Even with components powered from the receiver, same situation applies, some receivers pass the voltage straight through, others reduce it.
You may be over supplying your components, affecting their life span or under powering them and not getting the best performance.

The receiver is the most important part but doesn't necessarily contribute to the boats performance, both winch and rudder servo can make or break the boat and should operate at their best, most will consider their winch performance but the rudder servo is most often overlooked, it's just a servo!

Your rudder servo is pretty important and one that lacks torque and speed due to low voltage might be letting you down, (same story with the winch). Most servos develop their maximum performance at 6.0 volts (some at 7.2 volts), but nearly all will not do their best at less than 5.0 volts.

The speed is not all that important but helps, but the torque is, that is the indication of the servo's ability to push the rudder out and or hold it out.

Canterbury J class Owners Association Newsletter

IE; A FUTABA S3003 servo, L 39mm – H 36mm – W 20mm, weight 37 grams.
At 4.8V gives 3.17KG/CM torque & rotates 60 degrees in 0.23 seconds.
At 6.0V gives 4.10KG/CM torque & rotates 60 degrees in 0.19 seconds.

An example of another brand of standard servo,
L 40mm – H 44mm – W 20mm, weight 39 grams.
At 6.0V gives 6.5KG/CM torque & rotates 60 degrees in 0.16 seconds.

An example of a mini servo, (with metal gears),
L 27mm – H 37mm – W 13mm, weight 16.5 grams.
At 4.8V gives 4.2KG/CM torque (no load) rotates 60 degrees in 0.15 seconds
At 6.0V gives 4.7KG/CM torque (no load) rotates 60 degrees in 0.13 seconds

These two examples might give you an indication of some of the servos that are available and these are only two of them.
Check the details of your servo & compare it with these.

Check what voltage your receiver can take. Check what voltage it puts out.
Check what voltage all your components can take. Check what voltage they get.

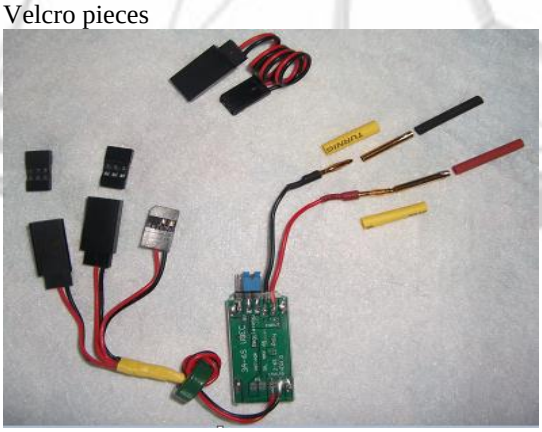
If you want some help, just ask, happy to help. (I usually carry with me a voltage indicator that will plug into receivers and Futaba/JR type servo sockets & plugs).

Leon

Voltage regulator for Hitec type Winch setup.(Minimum input advised at 7.2V.)

Allow control of voltage to winch & or rudder servo & or receiver at 5.0 or 6.0 volts, 3 amp max.
Allows a choice of battery types to be used from 6.0 volt to 21 volt, NIMH, NICAD or Lipo.
Main advantage to power any or all components at max voltage (6 volts) to get maximum benefit.
Easily added or removed. You will need to solder & heat shrink two 2mm sockets

Kit includes;
- 2mm gold plated pin and socket for connecting to power supply,
- 6.0 / 5.0 output regulator / ubec,
- Spare servo extension
- Spare Futaba servo blocks if needed
- Heat shrink tube
- 3 way harness with 2 plugs and 1 socket
- Velcro pieces

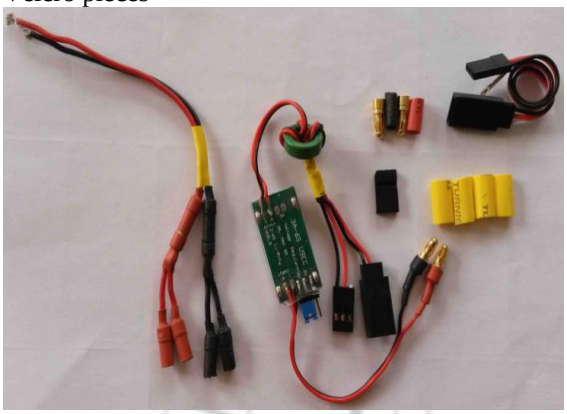


Voltage regulator for Smartwinch type setup. (Minimum input advised at 7.2V).

Canterbury J class Owners Association Newsletter

Controls voltage to rudder servo & or receiver 5.2 or 6.0 volts, 3 amp max.
Allows a choice of battery types to be used from 6.0 volt to 21 volt, NIMH, NICAD or Lipo.
Main advantage to power the rudder servo at max voltage (6 volts) to get max speed and torque.
Easily added or removed. You will need to be able to solder & heat shrink two 3.5mm sockets.

Kit includes;
- 2 way silicon wire Y harness, (1 side to winch, other to regulator & servo)
- Optional 6.0 / 5.0 volt output regulator / ubec
- 3.5mm gold plated pin and socket for to connecting power supply,
- Spare servo extension
- Spare Futaba servo blocks if needed
- Heat shrink tube
- Velcro pieces



These can be made up to suite whatever you want. See Leon

That's about all for now.
Graeme Raxworthy.
Vice President.