Wet Testing a Splice

- Find a suitable size container that will hold water and the motor lead/cable that needs to be tested.
- Fill the container with water.
- Check motor for meg readings and record the results.
- Leaving the exposed end out of the water submerge the remaining splice and motor leads into the container of water. Make sure that the exposed end stays dry.
- Leave in the container for a minimum of 5 minutes.
- Put one lead of the meter in the water and connect the other lead to the exposed end of the cable.
- If there is a failure in the splice/cable your meter will read less than when it was checked dry.
- Follow this same procedure on all the leads.
- If readings are equal to or better than before then the splice is good. If it is less then locate the fault and fix it. To find the fault thoroughly, inspect the cable/motor lead for visible damage to the outer surface of the cable and repair/replace as required.
- This procedure can be done with motor leads or cable. If checking power cable leave both ends exposed and out of the water. Submerge as much of the cable/motor lead as possible. If your container is not large enough to hold all the cable/motor leads at one time, then repeat this process till all the cable has been checked.