



# Evaluating Your Skutt Wheel After It Gets Wet

## Safety

No matter what caused the wheel to get wet, your number one concern should be your safety. The first thing you need to do is turn off the breaker then unplug the wheel. If for some reason the wheel is still running and there is water on the floor, contact a certified electrician to do this for you.

If necessary, always wear rubber soled shoes and dry non-conductive gloves when entering a room with wet floors and live electrical equipment. If you do not have gloves, keep one hand in your pocket to avoid creating a circuit through your body.

If your wheel motor was submerged, chances are very good the motor and bearings are going to be compromised. If it is covered under your insurance, it should be covered as a total loss.

**PLUGGING IN A WET ELECTRIC MOTOR CAN BE VERY DANGEROUS.** If the motor was running when it got wet, it most likely tripped the breaker controlling that outlet. If the motor was off when it got wet, **DO NOT TURN ON THE MOTOR UNTIL IT IS COMPLETELY DRY.**

Because of the electrical hazards associated with electric motors we strongly suggest you bring the motor to an Electric Motor repair shop. Most towns have one of these and they are usually fairly reasonable.

## What is in the water?

During a flood or a fire there are often times other elements such as salt (storm surge flooding), fire retardant or other pollutants that could be mixed in with the water. If your wheel was exposed to salt water from a storm surge it is difficult, if not impossible, to remove all of the salt. Salt is very corrosive. If all of the salt is not removed, metal components will continue to corrode. If your wheel has been exposed to storm surge water, we recommend you submit it to your insurance company as a total loss.

If the wheel was not insured and you want to save it, wipe down all exposed metal components as best you can with isopropyl alcohol. Alcohol is good because it does not leave a residue.

## Time is of the essence

Once the wheel is safely disconnected from the power supply, the quicker you can start drying out the wheel, the more likely you are to prevent permanent damage. The longer you wait the more likely it is for components to corrode.

## EVALUATING YOUR SKUTT WHEEL AFTER IT GETS WET CONTINUED

### Recommended steps:

Drying out

1. Turn off breaker and unplug the wheel.
2. Remove the belt guard, control box cover plate, and cover plate under the foot pedal.
3. Blow compressed air into all of these areas until you no longer see any water. Tilt the wheel on its side to ensure no water was trapped in crevices.
4. Allow a fan to blow into all of these areas over night to help remove any excess water.

### Inspect receptacle and wall wiring

If your wheel got wet there is a good possibility that the receptacle got wet as well. You may want to consult an electrician to test the receptacle and other wiring to the wheel. At the very least it would be a good idea to point a fan into the receptacle to dry it out before plugging in the wheel.

### Testing the wheel

1. If the wheel is completely dry, replace all of the covers and plates.
2. Plug it in with the wheel sitting on a non-conductive surface. Do not touch the motor casing when you plug it in to the outlet. Turn on the switch and press down on the foot pedal. If it throws the breaker, there is a short somewhere in the system. Contact Skutt support for further help diagnosing your wheel.
3. If the wheel turns, listen to see if you hear any squeaking coming from the bearings. If you do hear squeaking, it may be necessary to replace the wheel bearings.
4. If everything seems to be working, let the wheel run overnight at full speed to see if any problems develop.
5. Listen to see if any noises develop the same day. If you hear a noise, remove the belt and see if the noise goes away. If it does, then the noise is coming from the bearings and you will need to replace them. If it does not go away the noise is coming from the motor. If the noise is coming from the motor, contact Skutt Technical Support for further assistance.
6. Wipe off the wheel head shaft and re-coat it with Anti-Seize to prevent the wheel head from sticking. Anti Seize can be purchased through Skutt Distributors, and most automotive supply stores.

### Replacement Parts

On the following page you will find the part list for most of the parts used in the construction of Skutt Wheels. These parts have not changed since Skutt purchased Thomas Stuart Wheels and changed the name.

## EVALUATING YOUR SKUTT WHEEL AFTER IT GETS WET CONTINUED

<b>Part #</b>	<b>Description</b>
<b>4036</b>	2 oz. Tube of Anti-Seize
<b>4063</b>	EW Bat Pins with Nuts (1 pair)
<b>4048</b>	EW Removable Splash Pan-Deep
<b>4051</b>	SCR Control Box Complete
<b>4053</b>	Foot Pedal Assembly
<b>4054</b>	EW 14" Wheel Head Replacement
<b>4055</b>	EW 12" Wheel Head Replacement
<b>4064</b>	KW 14" Wheel Head Replacement
<b>4057</b>	EW Bearing Block Replacement 5 Bolt
<b>4409M76955</b>	SSX Controller
<b>4230R76955</b>	EW 1HP Motor 90 Volt DC
<b>4231R76955</b>	EW 1/2HP Motor 90 Volt DC
<b>4232R76955</b>	EW 1/3HP Motor 90 Volt DC
<b>4239J75955</b>	EW Belt R400J-31X6 (also used on Prodigy)
<b>4256B75955</b>	EW Fuse-15 AMP BK/ABC-15-110
<b>4257S75955</b>	EW Fuse Holder
<b>4270D76955</b>	EW Leg Caps-2.32X1.00 3505 Black (each)
<b>4056</b>	Potentiometer with Cord
<b>4279W76955</b>	EW Reversing Switch
<b>4280W76955</b>	EW Rocker Switch 15 Amp
<b>4281W76955</b>	EW Rocker Switch 20 Amp (used on SSX Wheels)
<b>4283R77955</b>	EW Shaft Tapered-Short
<b>4286M76955</b>	EW SCR Controller (also used on Prodigy)
<b>4206A75955</b>	Prodigy - 3-Bolt Bearing
<b>4208A76955</b>	Prodigy - Removable Splash Pan
<b>4209K75955</b>	Prodigy - Rubber Shaft Washer
<b>4217D76955</b>	Prodigy Leg Caps (each)
<b>4232R76955</b>	Prodigy 1/3 HP Motor
<b>4396D76955</b>	EW Rubber Feet - Foot Pedal (each)
<b>4305R78956</b>	KW Motor Drive Wheel