

Can the Drop In R/C Tire Washer clean a 1/8 Truggy tire?

Answer: The current version can handle a 1/8 truggy tire, but you won't be able to close the lid quite all the way. Set the side brushes in the outer slots, and expect some splashing from the open lid, but it's still better than washing by hand!

How should I clean the washer?

Remove your drill and 12 volt power and flush it with a garden hose. All parts are plastic, aluminum, or stainless steel. The pump and relay are also waterproof, so a good hose job won't hurt it.

What maintenance is required?

Other than cleaning, the Oilite bearings on the roller shafts are the only other maintenance items. They should be cleaned and lubed periodically. I prefer to use Red & Tacky grease, but light oil like 3-in-one will also work. How often? When you hear excess noise or squeaking, it's time to clean & lube the bearings.

What are the power requirements for the sprayer system?

We offer a 3S Lipo 2200mah battery as an option with the purchase of a Drop In RC Tire Washer. This battery will run the sprayer for about 1 hour under normal use. At 2 to 3 seconds per tire, it will clean a lot of tires on race day before it is exhausted.

If you want to purchase your own Lipo, or use one you already have, read on!

First let's talk about capacity, using a 2200 mah Lipo as an example. This is a 2 amp hour battery (2.2 to be precise), which means it will output 2.2 amps for 1 hour. The pump motor draws 4 amps briefly at startup, and 3

amps when running. That means our 2.2-amp battery will run the pump for 40 minutes. If you run the pump for 5 seconds per tire, you could wash 480 tires before the 2.2-amp Lipo was exhausted and needs to be recharged. In other words, if you are an ***Iron Man*** and choose to run 6 classes at a big oval race, you would need to wash (6 classes x 3 races x 4 tires = 72) 72 tires for the race day. Even if your 3 buddies used your Tire Washer you would still have plenty of battery for the day. As you can see, a 2200 mah Lipo is more than adequate.

How about C rating? This is all about the discharge rating of the Lipo. A 10C rating means the battery can output its capacity (2.2 amps) times 10 or 22 amps for the 2200 mah lipo we used above. Since the pump motor draws 3 amps when running, a 10C rated battery is more than enough. For the record, the lowest C rating currently available is 25C, which is why we said that C-rating doesn't matter.

You should be able to find several low cost 3s LiPo's on Amazon or your favorite RC website for under \$25. Just remember that the Tire washer doesn't have a low voltage cutoff function, so it is possible to completely drain a lipo, which could ruin your battery. If you haven't charged in a while and the pump is slowing down, it's time.