



TEK ENTERPRISES, INC.

Toll Free Phone 877-777-8020
Email: info@kartlift.com
www.kartlift.com

Thank you for purchasing an Electric KartLift. The following is provided to help you get the most out of your lift.

Assembly

1. Remove the lift from the box.
2. Install the wheels with the valve stem facing outward. Use the supplied locking nuts to secure the wheels.
3. Next, insert the bumper bar as shown in the picture, and then insert the bolts from the parts bag and tighten. Note that the bumper bar hangs downward in this position, and the hooks face forward. Install the predrilled screws in the handle to hold the handle bar tight. Use the enclosed zip ties to secure the black cord in a safe location.
4. Plug the motor into the rear of the control box. It is shipped unplugged to prevent accidental movement.
5. Your lift was partially charged when it was shipped. We suggest you fully charge the battery (overnight) before heading to the track.
6. The battery charger is taped to the front of the battery box. The charger socket is located immediately below the ON/OFF switch. You may use the lift while charging if you wish.

Prepping Your Kart

1. For the vast majority of karts with straight rear bumpers, no modifications will be necessary.
2. Make sure that your rear bumper is firmly attached. If your bumper is mounted to the frame by long bolts running from the rear of the kart into the frame rails, ensure that pulling the bumper up and back does not cause the bumper to pull out. If so, tighten the bolts, or remove the bumper and rail plug assembly and clean out the inside of the frame rail tubes (there might be an accumulation of oil or other lubricant in there).
3. Where you place the bumper hooks on the bumper can be important. You want the weight of the kart balanced left-to-right, and the front support firmly under the front of the kart (typically in the vicinity of the gas tank) when the kart is raised. You may have to shift your rear number panel a little to avoid interference. Make sure that the bumper hooks have room to rotate (and do not get caught up on things like exhaust mounts, rear radiators, etc).

Charging the Battery

To charge the battery, simply plug the included charger into the socket on the front of the gray control box. If you choose to operate the stand with the charger plugged in, take care to ensure that the cord does not get tangled. **The battery should be charged for 24 hours prior to use. Failure to do so may significantly shorten the life of the battery.** Under normal usage, you should get an entire race weekend out of one full charge. For the longest battery life, charge the battery after each weekend's use and leave connected to the charger when not in use. Don't let it completely discharge unless necessary. **The battery will also last longer if it is left on the charger.** The battery is comprised of two 12V gel cell batteries that are commercially available at many battery retail outlets. The supplied battery should give you years of service, but if a problem were to arise, you can contact KartLift to get a replacement or purchase a replacement from a battery store. The batteries are 12V and 5amp. Batteries Plus carries them, part number WKA12-5.

Using the Lift

1. Flip the on/off switch on the gray control box to the "on" position. This switch should be off when the stand is being stored or carried in a trailer to prevent accidental operation.
2. Flip the handle mounted switch to the down position and let the stand fold down.
3. Roll the stand forward, or the kart backwards, so that the hooks are securely around the bumper.
4. Flip the switch to the up position. The stand will lift the rear of the kart, and then the stand will walk forward and under the kart. Ensure that the kart's bumper remains in the hooks. You can stop at any time and leave the kart partially raised by moving the up/down switch to the middle "off" position. If your rear bumper is vertical and does not incline backwards slightly, the rear of your KartLift may "kick up" when you first start lifting. If this is the case, simply rest your foot on the rear of the lift, until the back of the kart is a few inches off the ground.
5. Your lift should be able to lift up to about 400 lbs.
6. To steer the lift, push the handle down and place the stand in a slight wheelie. **NOTE: ESPECIALLY WHEN CARRYING HEAVY KARTS, DO NOT PICK THE BACK OF THE LIFT UP TO STEER IT. IN RARE CASES, THIS MIGHT OVERSTRESS THE MOTOR SHAFT.**



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Care and Maintenance

1. The electronics are designed to be water resistant, but not waterproof. Therefore, avoid doing things which would get them wet (such as washing the kart on the stand without covering the electrical components first, draining your radiator on them, draining oil onto it, dripping solvents, leaving the stand out in the rain for prolonged periods, etc.)
2. Maintain about 25-30 psi in your tires. Under inflating your tires, particularly when transporting a heavy kart, can damage the bead area of the rims.
3. Your lift is made of powder coated steel. It should be very resistant to discoloration. However, you should store it clean and dry. Simple Green works well for general cleaning purposes.

If you ever have any questions about your lift, please do not hesitate to call, toll free 877-777-8020.

Adjusting the kart stand “balance”.

Since the KartLift can be used with so many different types and weights of karts, it is designed to function reasonably with a wide range of setups. However, if you feel your kart tips back too easily when pushing down on the rear, or your kart doesn't sit as level as you wish, there is a small adjustment on the stroke of the actuator.

To adjust the stroke of the actuator, do the following:

1. Open the stand up all the way with the kart off of it.
2. Remove the bolt from the screw end of the actuator.
3. Twist the screw part of the actuator, in for a lower front bar height, and out for a higher front bar. The screw should twist easily by hand. **DO NOT FORCE IT OR USE TOOLS.**
4. Replace the bolt and washers as they were placed when you removed them.
5. Test stand by rolling around and turning. **Take care to make sure you don't let the kart tip over backwards. If the stand is too “rear” heavy, adjust the screw drive back, one-half turn at a time until the kart doesn't feel like it wants to tip over backwards.**

