

Parkit360
Transformer



Parkit360

Owner's Manual

Introduction

We know you're busy, and need to get that fifth wheel moved. Now. So with that in mind, we've kept these instructions as brief as possible, but they are important, so please take a moment and check them out.

We want to make sure that you enjoy years of safe and trouble-free operation with your Parkit360 Transformer.



In The Box

The Parkit360 Transformer is shipped in one box on a pallet. The main Parkit360 Transformer unit will be fully assembled. In addition to the main unit the box will

also include:

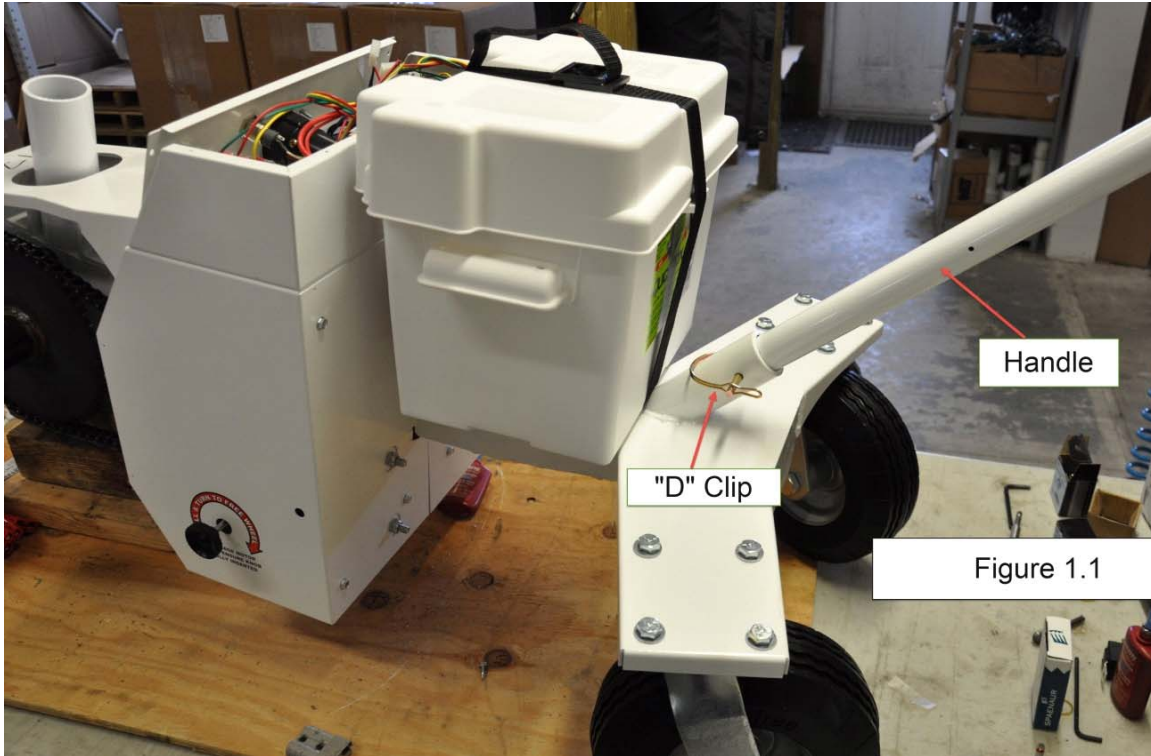
<p>Parkit360 Handle (includes Allen Key)</p>	 A long, white, cylindrical handle with a black T-shaped grip at one end. The handle is lying horizontally on a brown cardboard surface.
<p>Kingpin Adapter (when purchased with Kingpin Option: includes Kingpin adapter, stabilizer bars, and hardware)</p>	 A collection of black metal parts including a long cylindrical adapter, two long stabilizer bars, and various small hardware components like nuts, bolts, and washers, all laid out on a brown cardboard surface.
<p>Ball Mount Kit (when purchased with Ball Mount Kit Option: includes: Ball Mount, Ball, Spring Clips, and Tightening Bar)</p>	 A ball mount assembly consisting of a white plastic ball mount housing, a metal ball, a spring clip, and a tightening bar, along with a clear plastic bag containing additional hardware, all on a brown cardboard surface.

Assembly

Please follow these steps to assemble the Parkit360 Transformer using the assembled unit on page 2 as a guide:

Main Unit:

- Insert the handle into the main unit as shown in Figure 1.1. Secure the handle with the “D” Clip.

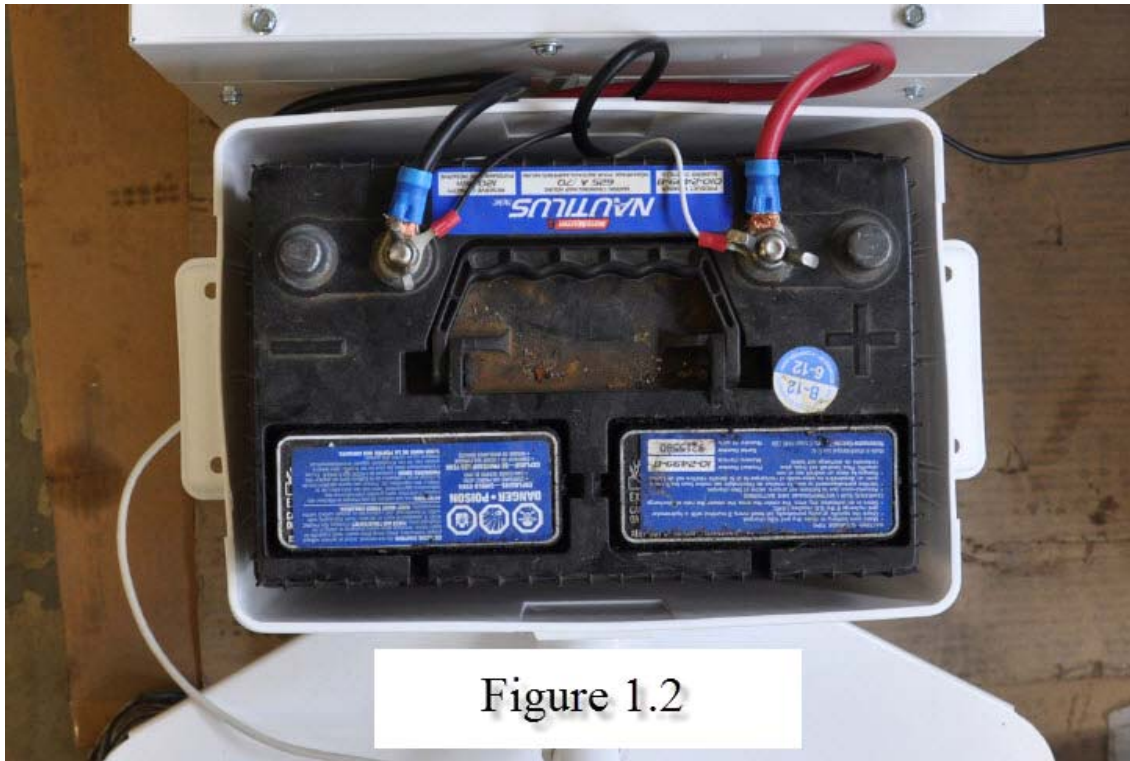


- Install the battery (not included) in the battery box. Attach the red cable to the positive terminal of the battery, and the black cable to the negative terminal of the battery as shown below in figure 1.2.]

Note: The small White and Black wires in the picture are for the battery charger.

The White wire is Positive (+) and the Black wire is Negative (-).

Note: The Parkit360 requires a 12-Volt, Group (size) 24 deep-cycle RV or Marine battery. The battery is not included with the unit, and must be purchased separately.



Transformer Wireless Remote Control Handle:

In the current Transformer models covered by this manual (Version 2.6), the control handle is now detachable, and becomes the new remote control unit.

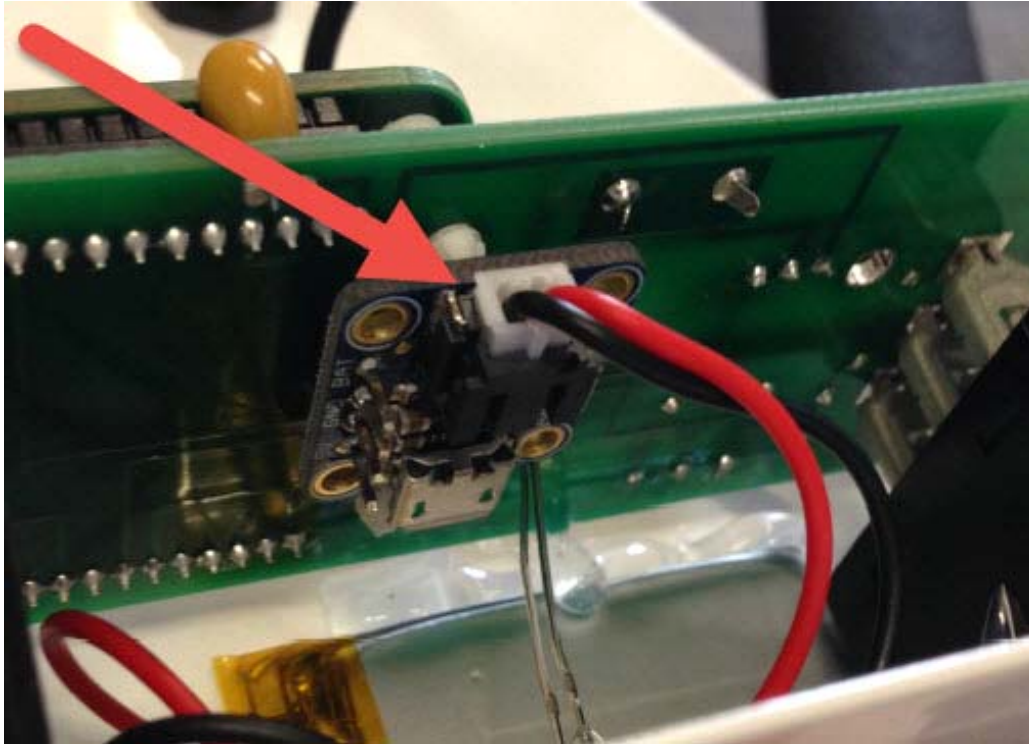
Simply remove the “D-Clip” and the handle can be removed from the mounting tube.

Please note: Due to shipping regulations, the battery inside the control handle is not connected. The handle cover is packaged separately inside the box.

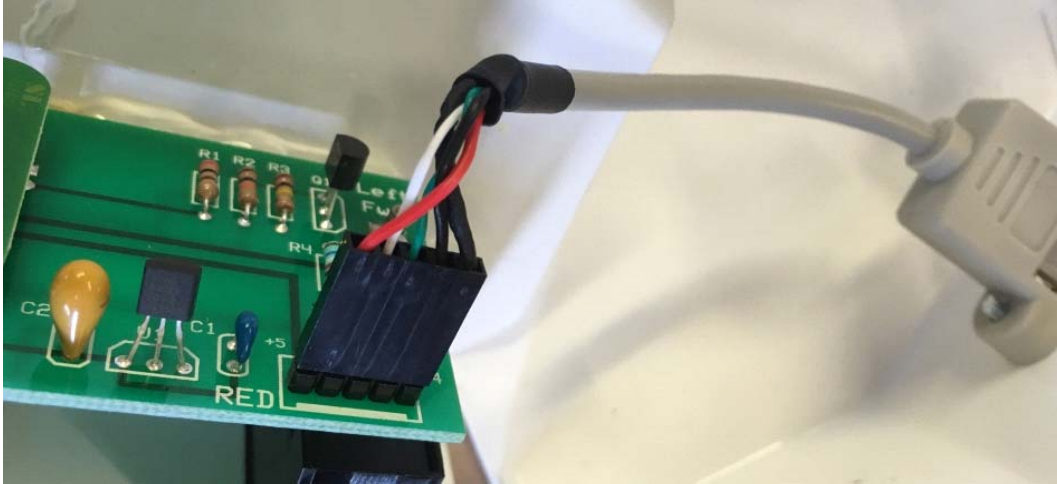
Also, again due to shipping regulations and safety, the included lithium battery is only charged to about 30% capacity, so it will need to be charged before first use.

The control handle will need to be assembled as follows:

- Connect the charger cable as shown below. Please note that there is a notch in the charger connector to ensure proper polarity.



- Connect the battery charger port cable to the circuit board as shown below. Make sure the connector is oriented so that the Red wire is at the end labelled “+5” (RED) on the circuit board.



- Once the battery and port cable connections have been made, position the handle cover over the handle and secure the cover to the handle using the four provided screws, as shown below:



Please read the safety information on the next page before using your Parkit360 Transformer.

Safety

Please read the following safety notes before operating for the first time.

The Parkit360 Transformer is not recommended for use on hills due to the possibility of a runaway trailer. The Parkit360 has been tested on grades up to 4%. Operation on grades steeper than 4% is not recommended, and could result in damage, injury, or death.

When using the Kingpin Option, the supplied stabilizer bars **MUST BE USED and installed properly. Failure to do so could damage both the unit and your trailer.**

The Parkit360 Transformer supports a maximum Kingpin weight of 2,500 lbs.

The maximum safe trailer weight for this unit is 16,000 lbs.

The unit's main wheels operate in two modes: engaged, and freewheeling. The freewheeling mode is to make the unit easy to move into position. The

wheels must NOT be in freewheeling mode when under load, or a runaway trailer could result.

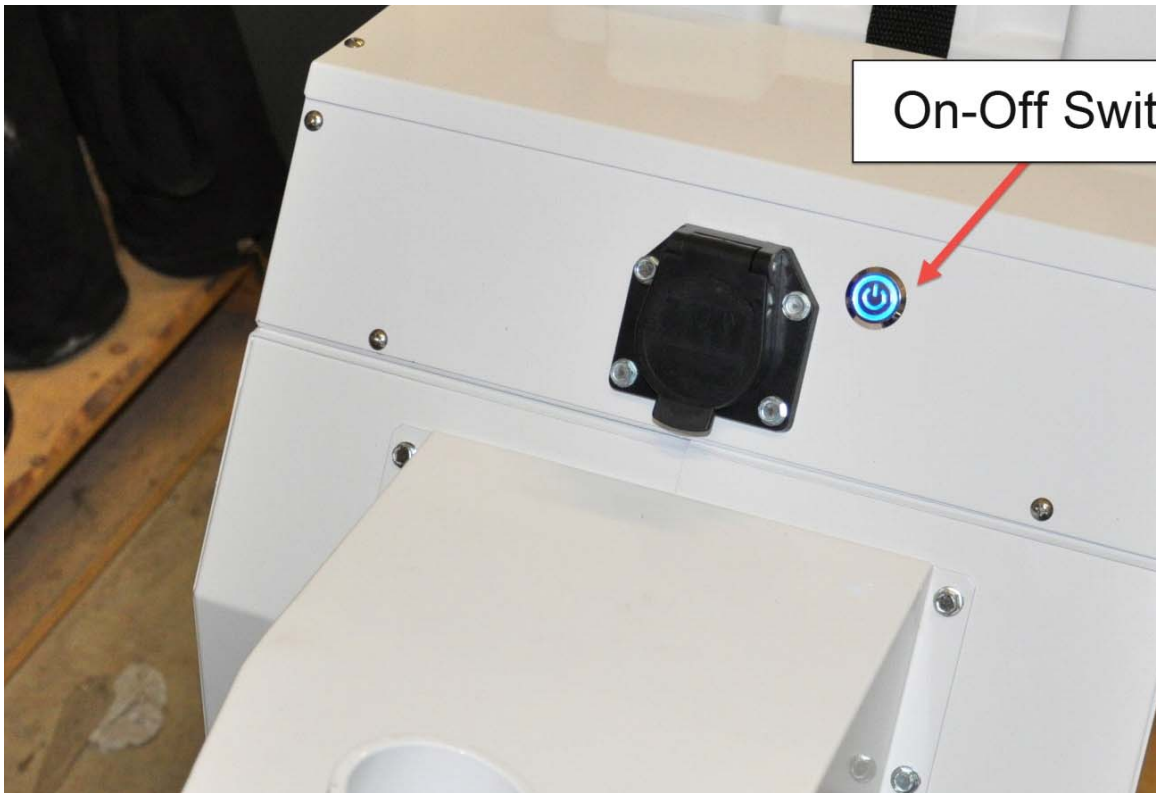
When charging the battery, it is important to keep the battery level; otherwise, acid could seep out of the battery during the charging process.

Operation

Turning the Unit On and Off:

To turn on the unit, press and hold the On-Off button for two seconds.

The Blue LED will illuminate to indicate that the unit is On.

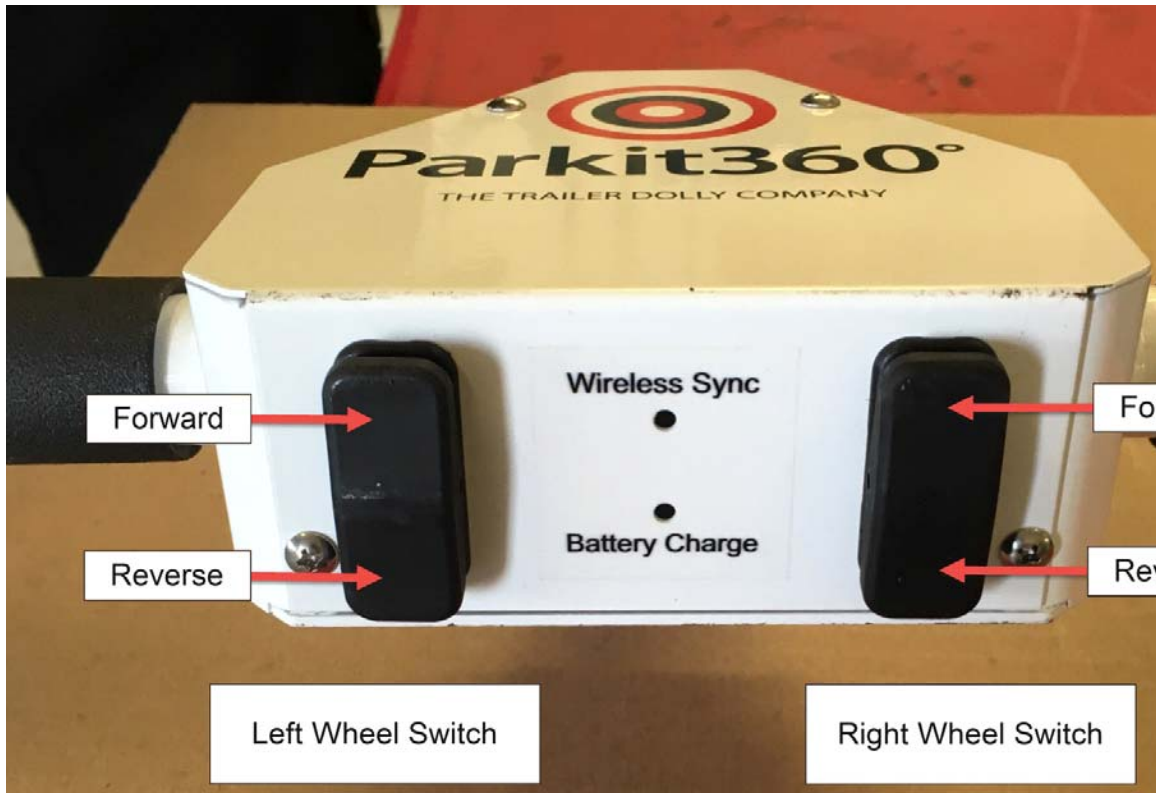


You will also hear a relay click inside the control module. This is the automatic brake system engaging. If your 7-Pin trailer plug is connected to the Transformer, the trailer brakes will be activated as soon as the power is turned on.

Wireless Remote Control Handle Operation:

For the following instructions, all of the directional terms used are from the point of view of the user standing behind the unit during normal operation, for example, when we refer to “Forward” this means that you are walking forward with the unit, which would mean that the trailer is backing up.

The Parkit360 Transformer unit is controlled using two, three-position switches. For both switches, the middle rocker position is off, or neutral.



Pressing the top of one of the wheel switches will result in that wheel moving the unit forward, and pressing the bottom of one of the wheel switches will result in that wheel moving the unit in reverse.

The switches may be operated individually, or together.

The wireless system in the handle is programmed to go to sleep after 30 seconds of inactivity. This is normal, and is done to conserve the internal rechargeable battery.

The wireless system will also go to sleep if the power is turned off.

The handle control system will “wake up” as soon as one of the rocker switches is pushed.

The blue “Wireless Sync” LED in the handle control system will be on to indicate successful wireless communication between the transmitter and receiver.

If the receiver is not on, the blue LED will blink slowly.

The blue light will blink rapidly if the battery in the handle is getting low and needs to be recharged.

The supplied USB cable can be connected to the charging port on the handle, and any standard USB phone charger can be used to recharge the battery.

The USB charge port is on the side of the handle, as shown below:



When charging, the “Battery Charge” light will be red, and will turn to green when the battery is fully charged.

Trailer Brakes:



The Parkit360 Transformer features a connection for your trailer brake system. When connected and powered on, the trailer brakes will be engaged automatically whenever the unit isn't moving.

Engaging the Wheels and Freewheel mode:



The knobs on the sides of the unit are used to change the wheels from engaged to freewheeling mode.

Pull and turn the knobs (clockwise) to put the unit into freewheeling mode.

Pull and turn the knobs (clockwise) to re-engage the wheels.

To engage the wheels, it's important that the knobs return to the fully seated position or damage may occur to the transmission. When the unit is new, you may need to move the unit, rocking the wheels back and forth a bit to make sure it's properly seated.

Hooking up to the trailer:

If you use a Teflon thrust ring on your Kingpin, it must be removed before use.

- Connect the Kingpin Adapter to the Kingpin and secure it in place with the supplied locking U-Clip as shown. Once the U-Clip is in place, secure it with the attached locking pin.



- Attach and install the stabilizer bars. Begin by attaching the front end (the Kingpin end) of the stabilizer bar in the Kingpin Adapter Collar using the supplied D-Clips as shown below:



Important: Before attaching the stabilizer bars, please check to make sure they are oriented properly by checking the fit at the front landing legs. The tab at the leg end should fit to the outside of the front landing legs (see photo in step 3).

- Once the Kingpin end of the stabilizer bars are installed and secured, attach the other end of the stabilizer bar to the front landing legs with the supplied bolt and wing-nut as shown below:



- Important:** As shown in the picture, make sure to install the stabilizer bar as close to the top of the leg as possible, ideally, right up against the hydraulic part of the leg. Once the stabilizer bar is secured at both ends, repeat steps 2 and 3 for the other stabilizer bar.
- Once both ends of the stabilizer bars have been secured in place, raise the trailer up high enough so that the Kingpin Receiver Tube can be positioned under the Kingpin Adapter. Then move the Transformer so that the unit is in place with the Kingpin Adapter directly above the Kingpin Adapter Receiver Tube.

- Important:** Before proceeding, please make sure the trailer wheels are chocked and that the Transformer is NOT in Freewheel mode.
- Slowly lower the Kingpin Adapter directly into the Kingpin Adapter Receiver Tube.

- Raise the front landing legs and ensure that the entire weight is on the Transformer.

Important: raise/adjust the front landing legs until the stabilizer bars are as close to level as possible.

The following step (drilling the stabilizer bar) needs to be performed once only.

- Once the Transformer is secure (not in Freewheel mode), the trailer wheels are chocked, and the front landing legs have been raised so that the stabilizer bars are as close to level as possible, you will need to drill holes in each stabilizer bar to adjust and lock them in place. A guide hole will be provided in the outer tube of each stabilizer bar (top and bottom), and you will need to drill a hole through the inner tube so that a locking pin can be inserted through the stabilizer bar.



The hole must allow a 3/8" pin, so pick an appropriate drill bit (13/32") and using the top hole as a guide, drill through the inner stabilizer bar tube.

Important: to make sure the top and bottom holes line up, we recommend drilling through the top and bottom guide holes separately.

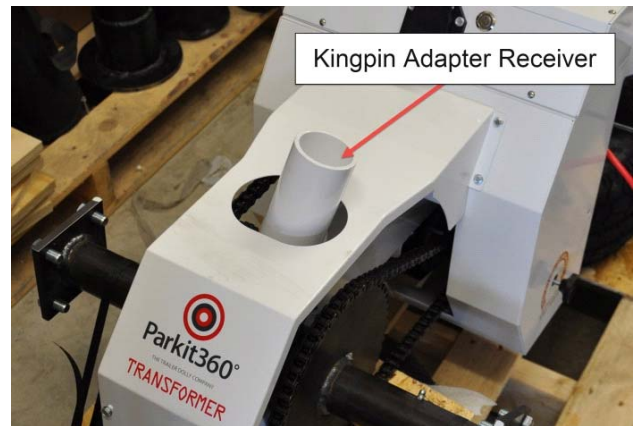
Once both holes are drilled, insert the locking D-Clip to secure the stabilizer bars.

- Plug the trailer brakes into the unit, and turn on the power switch.
- You are now ready to move your trailer!

Bumper Receiver Set-up

The movement for of the receiver is designed for the fifth wheel application in order to provide optimum stability. When using the receiver for ball mount purposes Follow the instructions below which will allow you to lock the receiver in place ensuring there is no movement.

1.) Remove the chain guard from the Transformer. At The base of the kingpin receiver you will see a bolt holding the adapter in place. Remove the bolt which will allow you to remove the receiver.



2.) Place plate inbetween brackets where the receiver was sitting. Screw in the two self tapping screws provided to you.






3.) Place receiver back inbetween the brackets on top of the plate. reinsert bolt through the adapter.



4.) Reinstall chain cover on to your unit.



Ball Mount hookup

<p>1. Insert the ball mount into the receiver on the Parkit360 Force.</p>	
<p>2. Install the Ball Hitch by threading it into the Ball Mount. The bottom shoulder of the Hitch Ball must be slightly below the top surface of the Ball Mount Collar, as shown.</p> <p>3. Apply a generous portion of all-purpose grease along the top surface of the Ball Mount Collar.</p>	 <p>Apply All-Purpose Grease along top surface of Ball Mount Collar</p> <p>Bottom Shoulder of Hitch Ball</p> <p>Top Surface of Ball Mount</p>
<p>4. Please note that there are weld spots on the ball mount. These must be oriented properly before hooking up the trailer.</p>	 <p>Please Note: Weld Spots</p>

5. Make sure the weld spots are oriented as in the picture shown on the right. This orientation is important for safe use of the unit.



6. With your trailer jack, lower the trailer down onto the ball and lock it as you normally would. Again, please check that the weld spots on the ball are positioned correctly (as shown in step 5).

(Unit shown in picture is equipped with the optional Battery Box.)



7. With pressure off the dolly (using the trailer jack), tighten the ball mount collar (counter-clockwise) using the supplied tightening bar. As you tighten it, you will see the gap between the top of the Ball Mount and the trailer tongue will close up.



6. Tighten the ball mount as tight as you can. Test the stability by pulling up and down on the Parkit360 Force handle

Lift the jack all the way up, and you're ready to go!



Caution

The Parkit360 Transformer MUST BE STURDY under the trailer before you use it. If your Parkit360 Force is not sturdy under the trailer, you could damage the unit, your trailer, and cause serious injury, including death. Please be careful!

Notes



Battery

The Parkit360 requires a 12-Volt, Group (size) 24 deep-cycle RV or Marine battery.

The battery is not included with the unit, and must be purchased separately.

The Parkit360 Transformer features an on-board charger to charge the battery once it's installed in the unit.

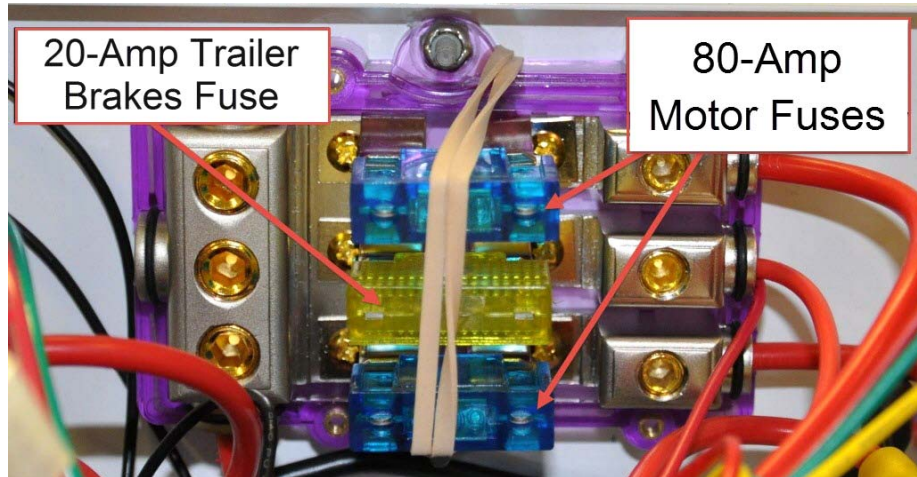
To charge the battery, plug in the charger plug into any 120V outlet. The charging light (located on the right side of the unit) will be yellow when the unit is charging, and will turn green once the battery is fully charged.

The charger uses a slow charge, so it may take up to 14 hours to charge the battery depending on the condition of the battery.

Note: When charging the battery, it is important to keep the battery level; otherwise, acid could seep out of the battery during the charging process.

Fuse Block

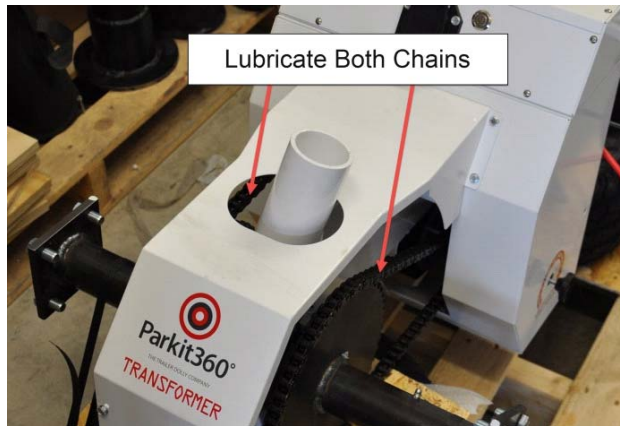
The Fuse Block holds the fuses for the main wheel motors (80-Amp) and the trailer brake circuit (20-Amp). The fuse arrangement can be seen in the picture below:



Maintenance

Maintenance on the Parkit360 should be performed annually under normal use conditions. If the unit is used more frequently, maintenance should be performed more often. The maintenance items are as follows:

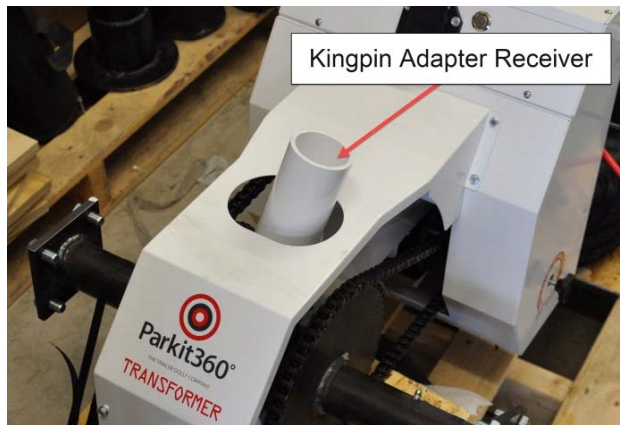
1. Lubrication of chain with an approved chain lube



2. Greasing of the drive shaft bearings



3. Greasing the Kingpin Adapter Receiver



Proper maintenance will help ensure years of trouble-free use.

Warranty

The Parkit360 comes with a 2-year replace or repair warranty.

The warranty will cover any factory defects on the Parkit360.

The warranty does not cover:

- Peeling or damaged paint
- Motor burnout due to misuse
- Labour charges on the unit itself or any other labour charges
- Shipping charges

Parkit360 and SPH Welding and Fabrication are not responsible for any related labour or damages to any equipment, property, or personal injury.

As a precaution, we ask that you please keep shipping and packing materials for a minimum of 30 days in case the unit needs to be returned.

Troubleshooting

If you are experiencing any issues with your Parkit360, please contact us:

By phone at: 1.888.926.5517 ext.4

By email at: sales@parkit360.com

FCC Regulatory Information (For optional wireless remote control option)

Contains RF Engine FCC ID: U9O-RF200

Contains RF Engine IC: 7084A-RF200

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interferences, and (2) this device must accept any interference received, including interference that may cause undesired operation.