

# **Parkit360 Force**



# **Parkit360°**

## **Owner's Manual**

## In The Box

The Parkit360 Force is shipped fully assembled and includes the following items. In addition, will also include any accessories ordered & paid for (eg Wider Tyres, On-Board Battery Charger, Electric Brake Control & EZ Connect).

<p>Parkit360 Handle</p>	
<p>Either: <b>Ball Mount Kit</b> incl 50mm Ball &amp; Ball Mount Thrust Washer Tightening Bar</p>	
<p><b><u>OR</u> Telescopic Hitch Adapter</b> (for off road couplings such as a Hyland Hitch or DO35) or cable/ hydraulic override braked trailers. <i>DO NOT USE 50MM BALL CONNECTION WHERE YOU HAVE AN OFF ROAD HITCH - IT MAY BE DANGEROUS TODO SO</i></p>	
<p>Either: <b>Battery Box &amp;</b> Standard Battery Cabling (incl flat washers &amp; self-tapping screws)</p>	 

<p><b><u>OR</u> Power Cable Adapter</b></p> <p>NOTE the Parkit360 draws 45amps, so you will need to ensure your cabling (between your Grey Anderson Plug and battery) is heavy duty and fit for this purpose.</p>	
<p>Parkit360 Force Main Unit</p>	
<p>5/23" Hex Key</p>	

# Assembly

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

<p>1. Insert the handle into the main unit as shown. Tighten the Allen screws to secure the handle</p>	
<p>2. Plug in the handle control cable as shown. The cable connection is keyed, so please exercise care in making this connection. (aligning the arrows, on both black cables will help make the connection easier).</p>	
<p>Install the Battery Box (if optioned) (using the screws supplied) <b>WARNING</b> - If you have the optional battery charger fitted - do not drill the screws directly above where the charger is located.</p> <p>Power Cable Adapter (if optioned) connect the Power Cable Adapter to your trailer</p>	

4. Install the battery (customer to supply). For the battery terminals the color code is as follows:
- RED is Positive
  - BLACK is Negative

For the battery charger (optional), the color code is as follows:

- WHITE is Positive
- BLACK is Negative



5. Connect the battery connection plug as shown:



# Safety

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

Exercise extreme care & caution when moving trailers. Keep clear of all moving parts when operating the unit. Keep children clear of both the moving trailer & Parkit360.

The Parkit360 is not recommended for use on steep inclines & declines due to the possibility of mechanical failure or loss of traction, resulting in a runaway trailer. If your trailer has electric brakes, it would be wise to have our optional (extra cost) electric brake controller fitted and in use on your Parkit360.

The Parkit360 has been tested on grades up to 6% (3% when using EZ Connect option) and a minimum of 10% of the trailer weight on the hitch. Operation on grades steeper than 6% is not recommended, and could result in damage, injury, or death. If the hitch weight is too light, the unit could lose traction in challenging areas like hills or soft ground.

If you are negotiating a small incline, it is preferable to push your trailer up, rather than pull it up (better traction & easier to control).

In order to familiarize yourself with the unit when using it for the first time, it is recommended you use it on flat ground, with plenty of room around you and your trailer.

The Maximum Safe Trailer Weight depends on the model purchased:

- P360SD Standard-Duty Model      Max. 2,268kgs.
- P360HD Heavy-Duty Model        Max. 4,535 kgs.

**IMPORTANT:** This unit is NOT intended for continuous operation. The maximum duty cycle is five minutes on, and five minutes off. DO NOT operate the Parkit360 Force for more than 5 minutes at a time. Doing so could result in overheating, and damage to the motor and wiring.

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 (not supplied), it is important to keep the battery level; otherwise, acid could seep out of the battery during the charging process.

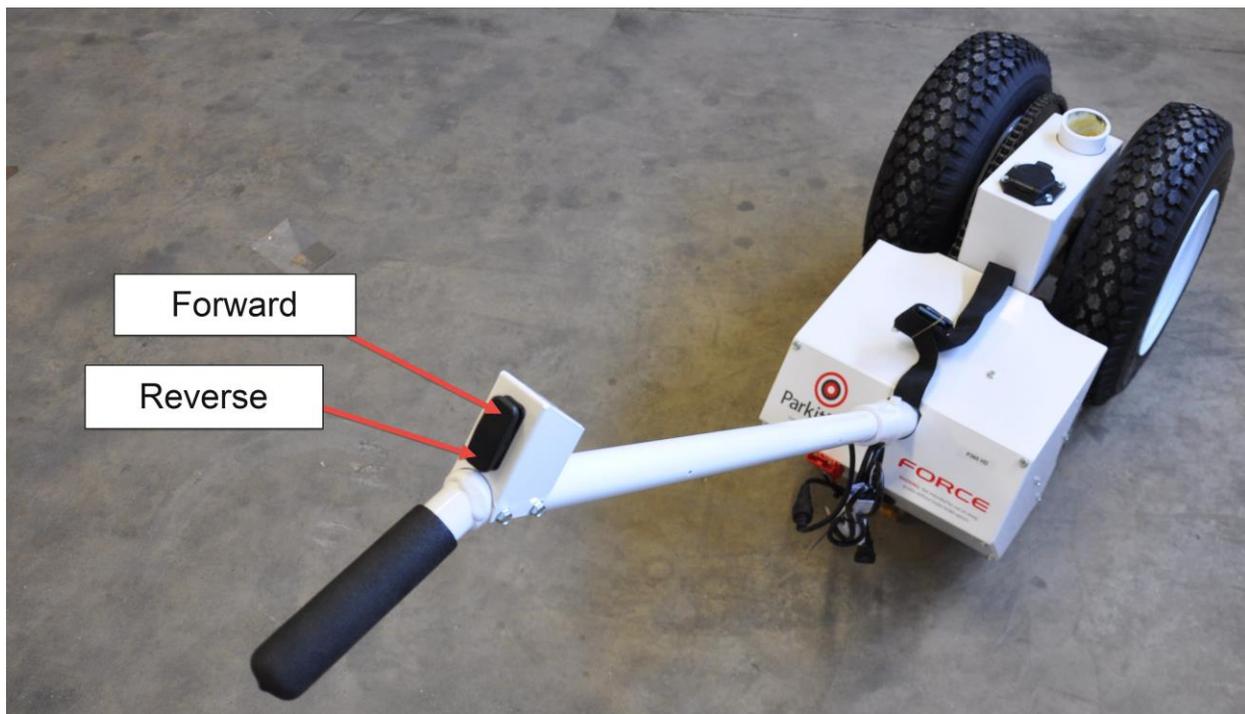
# Operation

## Handle Control Switch:

Please note that there is no "On" indicator... as soon as the power is connected to the Force unit, the unit is operational and ready to go (if the unit is to be left off for any extended amount of time, it is advisable to disconnect the red anderson plug).

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 Force unit is controlled using a single three-position switches. The switch remains in the neutral position unless Forward or Reverse is pressed.



## Trailer Brakes: Electronic Brake Control (extra cost option)



The Parkit360 Force features a connection for your trailer brake system (where the Electronic Brake Control option - extra cost - is fitted). When connected and powered on, the trailer brakes will be engaged automatically whenever the unit isn't moving. When the motor is activated, in either direction, the brakes are released automatically.

Please note: Since the brakes are activated as soon as the unit is connected, it's possible that if the brakes are left connected for any extended length of time, this will eventually drain the battery (if the unit is to be left off for any extended amount of time, it is advisable to disconnect the red anderson plug).

## Engaging the Wheels and Freewheel mode:



The Freewheeling knob is used to change the wheels from engaged to freewheeling mode.

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

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

**To engage the wheels, it's important that the knob 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:

<p>1. Insert the ball mount into the receiver on the Parkit360 Force. Install the thrust washer on top of the ball mount (applying grease to both sides)</p>	
<p>2. Install the 50mm Ball by threading it into the Ball Mount. The bottom shoulder of the 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.</p>	
<p>4. Using the jockey wheel, lower the trailer down onto the ball &amp; lock it as you normally would (holding the Parkit360 level may help in this process)</p> <p>(Unit shown in picture is equipped with the optional Battery Box.)</p>	

5. With pressure off the mover (using the jockey wheel), 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/thrust washer and the trailer coupling close up (holding the Parkit360 level may help in this process)



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 jockey wheel all the way up, and you're ready to go!



## Caution

**The Parkit360 Force 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!**

## Hooking up the trailer: Alternate methods

### Jack Shaft Option

1. Remove the Ball Mount from the Parkit360 Force receiver
2. Lower the trailer jack into the receiver
3. You're ready to go!

#### Important:

**With the jack, lower your trailer as close to the Parkit360 Force wheels as you can without them rubbing on the trailer frame. Doing this will reduce strain on the jack shaft.**



### Telescopic Hitch Adapter

1. Fit the bracket onto the chassis of the trailer.
2. Lower the 2" steel pipe into the bracket & Parkit360
3. Slide the locking pin onto place
4. You're ready to go!

#### Important:

**Trailers with an articulated hitch (eg Hyland Hitch or DO35) or cable/hydraulic braked trailers should use the telescopic hitch adapter. DO NOT USE the ball and ball mount attachment. Doing so could cause damage to the unit, the trailer, or cause serious injury, including death.**



# EZ Connect Option

Please follow these steps to assemble and use the optional (extra cost) EZ Connect option:

<p>1. The EZ Connect option will be shipped with the EZ Connect frame, wheels (with mounting hardware), and ball.</p>	
<p>2. Mount the EZ Connect frame assembly into the Ball Mount Receiver as shown.</p>	
<p>3. Use the forward hole to mount the ball. This is the most stable configuration. However, the rear hole may be used if the forward one is not practical to use due to space considerations.</p>	

4. Finally mount the wheels using the supplied hardware. The unit is now ready to use.
5. **WARNING:** When using the EZ Connect option, please restrict operation to a **maximum 3% grade**, and **360 kg's of tongue weight**.

# Notes

## Battery

The Parkit360 requires a 12-Volt, dual post, deep-cycle battery with a capacity of 70-80 Ah approx.

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

An optional on-board battery charger is available for the Parkit360 Force (white wire is +ve, and black wire is -ve)

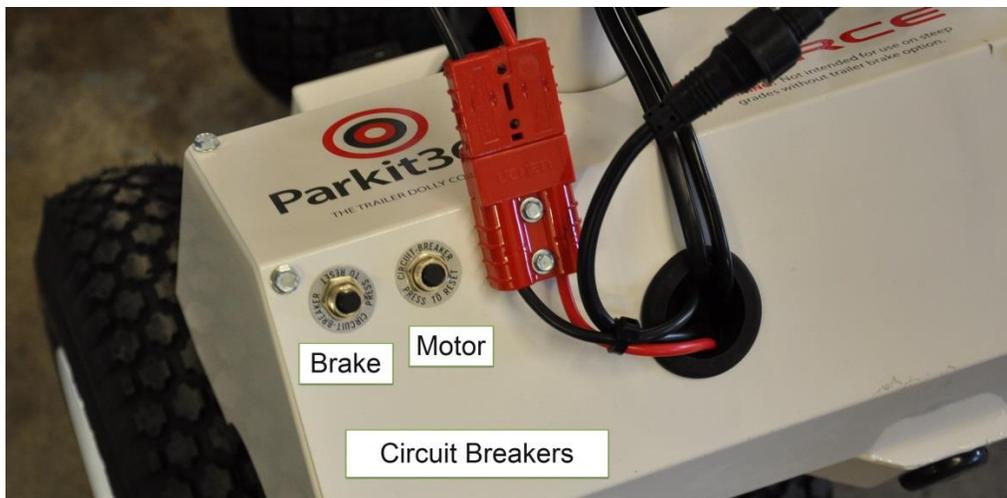
To charge the battery using the optional charger, simply plug in the charger plug into any 240V outlet. During charge, an orange light indicates the battery is charging, and when it turns green, battery is fully charged.

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.

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

## Circuit Breakers

The Brake and Motor systems are protected by individual circuit breakers, as shown 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. Proper maintenance will help ensure years of trouble-free use.

The maintenance items are as follows:

1. Lubricate the chain with an approved chain lube
2. Grease drive shaft bearings
3. Grease ball mount/jack post receiver

A video showing the proper procedure for chain adjustment and tightening can be seen online at: [http://youtu.be/8M4\\_NroWD-8](http://youtu.be/8M4_NroWD-8)

## Warranty

The Parkit360 comes with a 2-year replace or repair warranty. The warranty covers any factory defects on the Parkit360 Force.

The warranty does not cover:

1. Peeling or damaged paint
2. Motor burnout due to misuse
3. Labour charges on the unit itself or any other labour charges
4. Shipping charges

Parkit360 and Parkit Powersports are not responsible for any related labour or damages to any equipment, property, or personal injury.

If the unit needs to be returned, it must be returned using the original shipping and packing materials. Therefore, as a precaution, we ask that you please keep all shipping and packing materials for a minimum of 30 days.

## Troubleshooting

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

By phone at: 0411 308093 or by email at: [frank@parkit360.com](mailto:frank@parkit360.com)

For any other information and tutorial videos, please visit us online at:

<http://www.parkit360.com.au>

### P360 Warranty Terms

**Product Warranty.** PARKIT360 warrants that each of its new P360 Products will be free from material defects in workmanship and will perform substantially in conformance with their specifications for 2 years from the date of shipment to Reseller (the “**Warranty Period**”). The warranty period for a repaired or replaced product is three (3) months, and will expire on either the expiration of three (3) months or the expiration of the original warranty for the P360 Product, whichever is later. This warranty is given in favor of the Reseller.

PARKIT360 reserves the right to refund the purchase price of any P360 Product as its exclusive warranty remedy.

**Warranty Claims.** If a P360 Product fails to perform during the Warranty Period, Reseller must notify PARKIT360 in writing with full details of the defect or fault encountered with the P360 Product. PARKIT360 will provide technical assistance to Reseller to see if the issue can be resolved remotely. If the issue appears to be caused by defective parts, PARKIT360 will arrange to provide replacement parts. Replacement parts will be provided by PARKIT360 free of charge to enable Reseller to fix any issues encountered with P360 Products during the Warranty Period. PARKIT360 will ground ship the replacement parts to Reseller and Reseller will be responsible for covering all shipping and handling costs for such parts. Provision of replacement parts constitutes full satisfaction of any warranty claim.

**Voided Warranty.** PARKIT360 will have no liability or obligation to provide replacement parts for free or honor support obligation if:

- any P360 Product which is not properly used or maintained;
- the P360 Product is operated under abnormal operating conditions (eg. exceeding load capacity for that particular model);
- the P360 Product is improperly used or used for purposes for which it is not intended (eg. modified to lift (Tug) 5th wheel trailers); or
- the Warranty Period for the faulty P360 Product is over.

**Out of Warranty/Voided Warranty Assistance.** PARKIT360 may offer at its discretion out-of-warranty product support and/or support and replacement parts for products which the warranty does not cover. Please contact PARKIT360 by email for further information on these services including replacement parts costs which may be available to Reseller at a discount from list price.

### Parkit360 Return Policy

1. If within 30 days of the date of sale, a Customer finds a Product to have a material defect not specified in the catalogue (if there is any), or if the Product has not met the Customer's expectations, then subject to sections 2 and 3, the Customer may return the Product, within 30 days of receiving the Product, to the store of original purchase for full refund, less shipping expenses and a 20% restocking fee, provided that:
  - the Customer gives prompt written notice of that defect to the Seller;
  - the Goods so returned are in undamaged condition and accompanied by all packaging and accessories; and
  - the original sales receipt is presented.
2. The processing of any refund on the Product paid for by cheque will require 15 days from the date of return.

If the Product is not returned within 30 days of the date of customer receiving the Product, then the customer will be deemed to have accepted the Product.

### Exclusions and Limitations

3. The following defects and causes are not covered by this Policy:
  - a) those due to normal wear and tear of the Product arising from use;
  - b) those attributable in whole or in part to misuse of the Product;
  - c) those attributable to repair of the Product by any person other than an authorized dealer, or the installation of unapproved parts on the Product; or
  - d) those attributable to accident or to lightning, act of God, external fire, wind, rain, or damage or deterioration occurring during the course of transit, or as a result of vandalism or other deliberate act;
  - e) those due to any power surge, brown-out, leaking, damaged or inoperative batteries, or to connection to a power source having a greater rating than that specified in the operator's manual (in case of rechargeable batteries);
  - f) those caused by the Customer's neglect, improper use or storage, or failure to take care of and maintain the Product in accordance with the Owner's Manual and technical specifications provided therewith.

Notwithstanding anything to the contrary herein, Products with any of the above excluded defects may not be returned.

4. Alteration, defacing or removal of the serial number imprinted on the Product voids this Policy.
5. Those defects caused by failure of any part of the Product if that part is not being manufactured by the Seller; such product, if returned within 30 days of the date of sale, can be replaced with the product of similar or better quality.
6. Where, under this Policy, the Product is replaced with a new Product, this Policy will apply to the new Product as if the date of replacement was the date of the original purchase of the Product.

### Immaterial Defects-Right of Seller to Correct Deficiency

Where a Product fails to perform in accordance with the specifications, the Customer shall so notify the Seller, and shall allow the Seller 20 business days to repair that Product and cause it to perform in accordance with specifications, or to replace it with a new Product that does so perform, but where the Product or any replacement Product cannot be made to perform in accordance with specifications within that time, the Seller shall repurchase the Product from the Customer for the full purchase price, less shipping expenses and a 20% restocking fee. This repurchase will constitute a full settlement of all claims of the Customer against the Seller with respect to that Product.

**Last Updated: October 1, 2014**