

Hobbico®

POWERCORE_{mkII}™

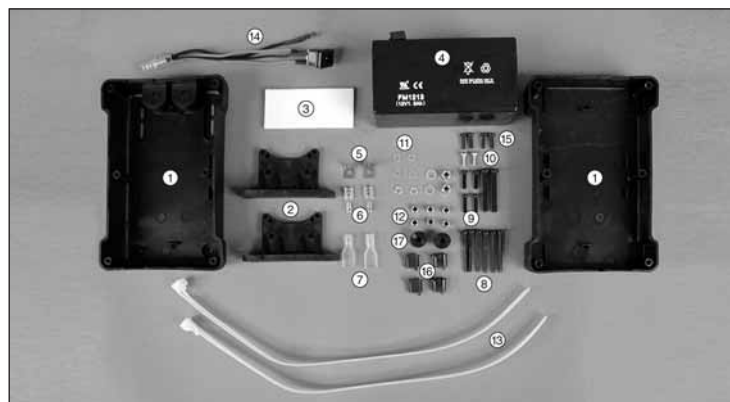
Sturdy, lightweight power source lets you use any electric starter anywhere and leave your field box behind.

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HCAP0901 Mnl

The PowerCore is designed with function in mind. Its powerful gel cell battery will provide all the power you need, plus the freedom to go wherever your model takes you. The starter may be bolted directly to the mounts for maximum security or mounted with the straps provided. The decision is yours.

Parts



- | | |
|---|---|
| 1. Case half (2) | 11. Washer 3 x 8mm (4) |
| 2. Starter mount (2) | 12. 3mm Lock nut (6) |
| 3. Double-faced tape (1) | 13. Mounting strap (2) |
| 4. 12 volt battery (1) | 14. Wiring harness with charge jack (1) |
| 5. Spade connector (2) | 15. Self-tapping screw 3 x 10mm (4) |
| 6. Gates connector (2) | 16. Strap flanges (4) |
| 7. Rubber insulator (2) | 17. Plastic spacer (2) |
| 8. Self-tapping screws 3 x 35mm (6) | 18. Spacer screws 4 x 30mm (2) |
| 9. Phillips head machine screw M3 x 8mm (Black) (4) | |
| 10. Phillips head machine screw M3 x 8mm (Silver) (2) | |

Assembly

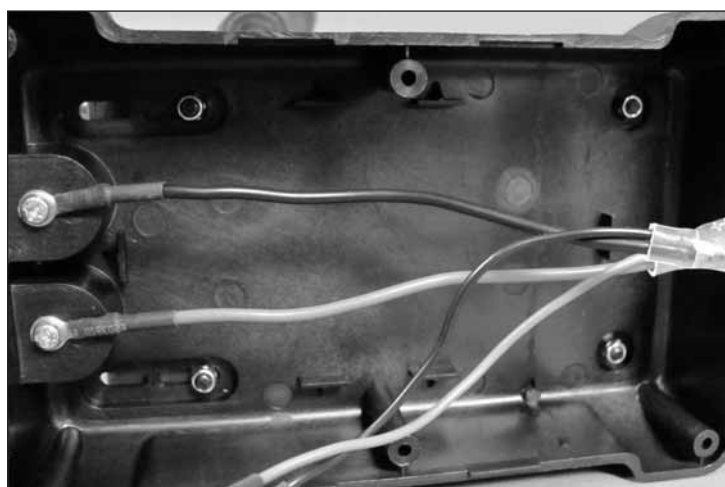
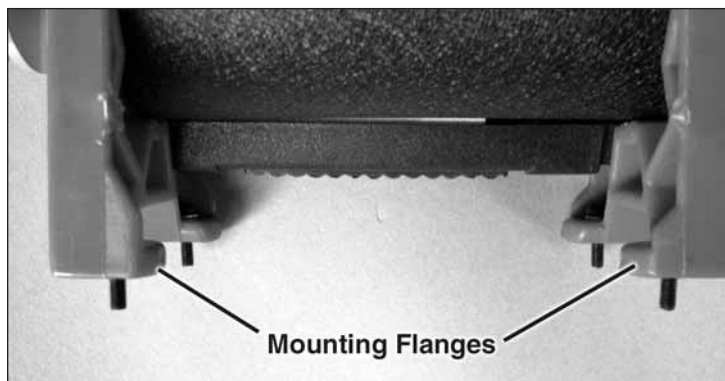


1. Insert a 3 x 8mm silver Phillips head machine screw through the eyelet of the wiring harness's positive, red wire, and into the hole marked (+ or positive) on the top case half.



2. Install a spade connector on the 3 x 8mm silver Phillips head machine screws and secure it with a 3mm lock nut. (Repeat this procedure for the other spade connector and the negative, black wire, of the wiring harness.)

3. There are two methods to mount your starter to the PowerCore Starter Pack.



If you have the HCAP3200 or a similarly designed starter with mounting flanges, you can bolt your starter directly to the PowerCore Starter Pack top case. Place the (4) 3x8mm Phillips head machine screws and washers through the mounting flanges of the starter and secure it to the top of the PowerCore case with the lock nuts. Once this is completed, skip to step 4.

If your starter does not have mounting flanges, follow these instructions.



A. Install the strap flanges on the starter mounts with 3 x 10mm self-tapping screws. The strap flanges are attached opposite the smooth side.



B. To attach the starter mounts, first turn the case over and match the holes in the PowerCore base to those in the two (2) starter mounts. With your starter on the mounts, find the best location for mount attachment. Most starters will use the slotted holes closer to the center of the base, with the strap flanges to the inside.

C. Using (2) 3 x 8mm Phillips head machine screws and 3mm washers, attach one of the starter mounts to the un-slotted holes onto the case half with the wiring harness connected to it. Secure the (2) screws with the (2) 3mm lock nuts. Install the other starter mount into the slotted holes at the opposite end, using your starter as a guide to establish the distance between the uprights. Secure the second starter mount using (2) 3 x 8mm Phillips head machine screws, (2) 3mm washers and (2) 3mm lock nuts.



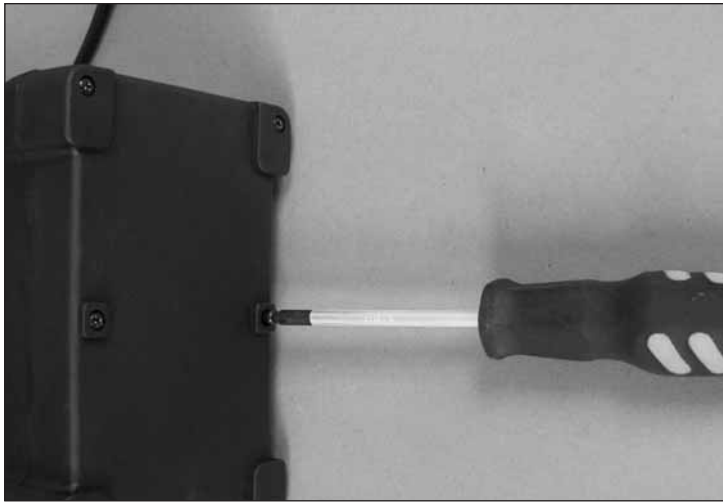
D. Next, secure the starter to the PowerCore Starter Pack by using the included zip ties.



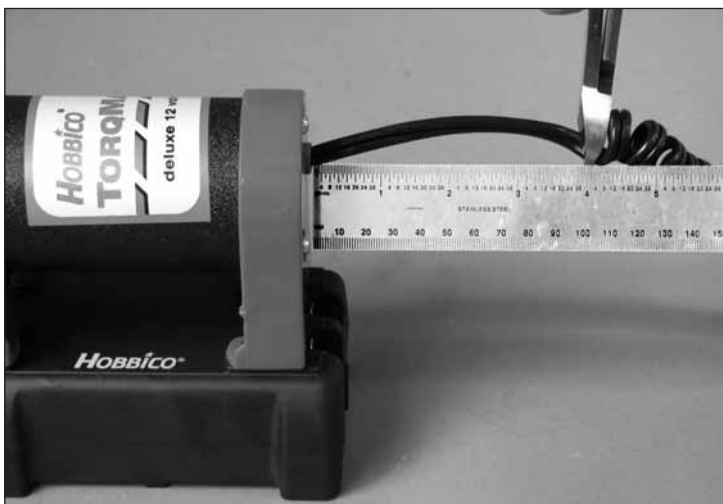
4. Plug the red wire (with positive Gates connector) onto the battery spade connector marked positive (+). Repeat this procedure for the black, negative wire. **Caution:** The battery included with the PowerCore will normally have a small charge and may cause burns or sparking if the leads are shorted together.



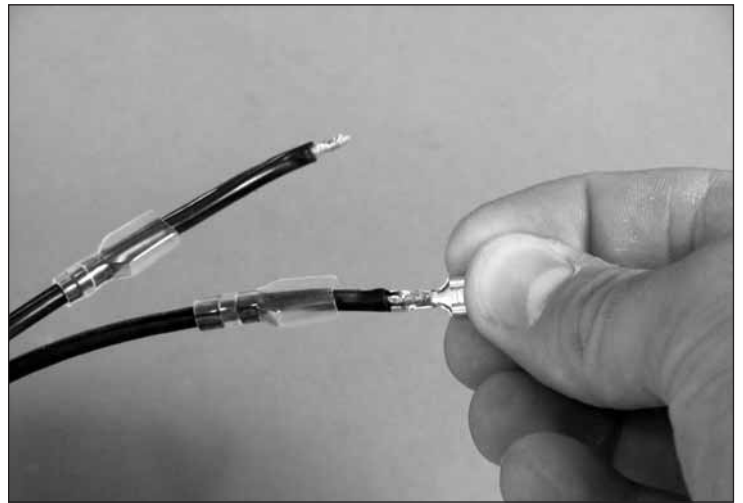
5. Apply the double-faced tape to the (inside) bottom of the case
6. Install the battery onto the tape in the bottom case half.



7. Install the charge jack into the square cut-out area of the case bottom, and attach the case top to the case bottom. Make sure that all wires are routed around the sides of the battery and none are pinched by the case sides. Assemble the case halves using (6) 3 x 35mm self-tapping screws. (Do not over tighten.)



8. Check the length of the cable required by sizing it down to the spade connectors. Most starters should require 4 inches (100mm). Cut the wire to this length, spread the two wires and strip 1/2" (10mm) of insulation off of each wire. Install one of the clear rubber insulators on each wire and crimp a brass colored Gates connector onto the end of the wire. Slide the insulator down over the connector. Repeat this for the other connector.



Hint: If possible, a more secure connection will be gained by soldering the wires to the Gates connector.



9. Connect the Gates connectors to the spade connectors and press the button to check the direction of the starter. Most engines run counterclockwise. If the starter cone turns backwards, simply reverse the two connectors. Charge the battery overnight with the PowerCore charger part #HCAP0210 and your PowerCore is ready to use.

Charging

Always charge your PowerCore for 12-14 hours before using. A Hobbico® charger is available (but not included) for charging your PowerCore Starter Pack. To recharge, simply plug the charger into the charger jack, located on the end of the pack. Please note that the LED on the charger illuminates while charging.

Note: This is a fixed rate charger and should not be left charging longer than 14 hours. Other chargers may be used provided they do not exceed a charge rate of 120 mA.

Specifications

| | |
|--------------------|-------------------------------|
| Battery | (1) 12 Volt 1.2 Ah (provided) |
| Charge Rate | 120 mA |
| Charge Time | 12-14 hours |
| Weight | 1.9 lbs. (0.862 kg) |

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