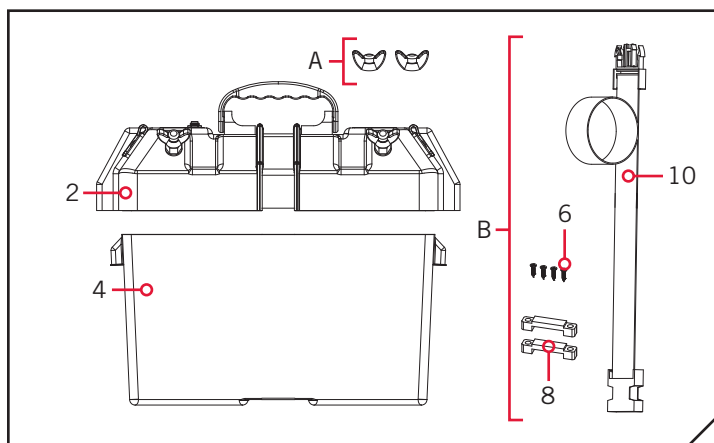


The Trolling Motor Battery Power Center (Power Center) is designed to hold a battery for small boat, transom application (boats that do not have battery compartments). These easy access external battery terminals allow trolling motor leads and charger leads to be connected without opening the box. Built-in battery meter displays current "state of charge". Includes two 12-volt accessory plugs, and 2 manual reset circuit breakers (10 amp for accessory plugs and 60 amp for trolling motor). Fits group 24 and 27 size batteries.

Item / Assembly	Part #	Description	Qty.
A	2993150	WING NUT ASM, POWER CENTER	1
2	✖	COVER W/RING TERMINALS	1
4	✖	HOUSING, BATTERY POWER CTR	1
B Includes 6 - 10	2373806	STRAP, BATTERY POWER CENTER	1
6	✖	SCREW, BRACKET	4
8	✖	BRACKET, STRAP	2
10	✖	STRAP, BATTERY POWER CENTER	1
12 ▲	✖	DECAL-FRONT, ENG. BAT. PWR CTR	1
14 ▲	✖	DECAL-SIDE, ENG/FR BAT.PWR CTR	1
16 ▲	✖	DECAL-BACK, FRENCH BAT. PWR CTR	1
18 ▲	✖	DECAL-TOP, PWR CTR w/BAT. METER	1



▲ Not shown on Parts Diagram.

✖ This part is included in an assembly and cannot be ordered individually.

TOOLS AND RESOURCES REQUIRED ➤

- #2 Phillips Screwdriver
- A second person to help with the installation
- Pen or similar marking tool

MOUNTING CONSIDERATIONS ➤

Before mounting and installing the Power Center to the boat, please give consideration to the following:

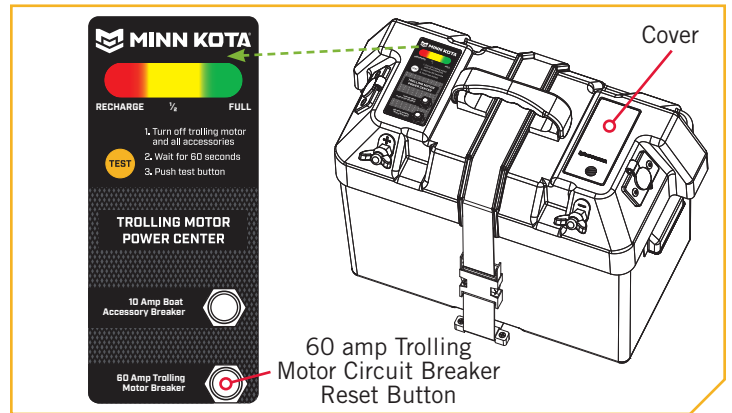
- 1. Unobstructed Mounting** - When selecting the mounting location, examine your boat to ensure that you will not drill into any obstructions and that the hardware will be accessible for assembly. Make sure that the mounting location in the boat is strong enough to accept the Power Center mounted at the intended location.
- 2. Power Source** - It is recommended to mount the Power Center as close to the trolling motor or accessory as possible to create the least obtrusive routing for cables between the trolling motor or accessory and the battery held in the Power Center. Make sure that the power cord for the trolling motor or accessory (not included) can reach the battery and will not pose as a tripping hazard.
- 3. Product Size** - The Power Center measures 13-1/2 inches wide x 7 inches deep and 12 inches high with the Cover on and secured. Make sure the mounting location has room to install the Cover and can accommodate the Cover being removed if necessary for charging. Lead-acid batteries need to be charged in a ventilated compartment. The Housing contains Carry Handles on each side that allow the Power Center to be transported or lifted in or out of the boat easily. Make sure that the mounting location can accommodate special considerations for charging and moving the Power Center when necessary.
- 4. Battery Size** - The Power Center is designed to hold compatible group 24 and 27 size batteries. Group 24 batteries measure 10-1/4 inches wide x 6-7/8 inches deep and 8-7/8 high and group 27 batteries measure 12-1/8 inches wide x 6-7/8 inches deep x 8-7/8 inches high.

› The 60 amp Trolling Motor Circuit Breaker

A 60 amp circuit breaker is built into the Power Center to protect the Trolling Motor. It is pre-wired into the Cover of the product. When wiring the Trolling Motor power leads to the Power Center, the circuit breaker will be connected to protect the motor electrical system. The Circuit Breaker Reset Button is located on the top cover of the Power Center. The button is a push button type. When the circuit breaker is tripped the button pops out. To reset the button, just push it back in.

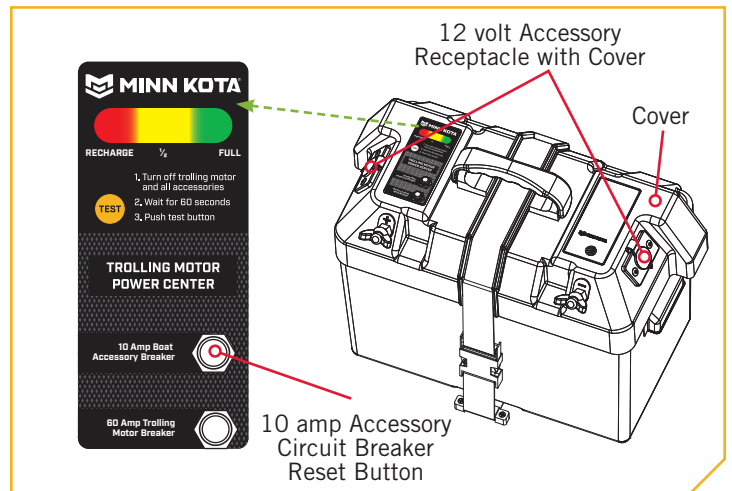
Multiple Power Centers can be connected in series to make a 24 or 36 volt system. In this case there would be multiple circuit breakers in the series. This will not cause any technical issues or dangerous conditions. If one of the circuit breakers trips, then the system will turn "off". If the power is "off", check both circuit breakers in a 24 volt system and all three circuit breakers in a 36 volt system by pushing in the Circuit Breaker Reset Button on all Power Centers.

If connecting the Power Center in parallel, it is very important to add an additional external circuit breaker to protect the electrical system.



› The 12 volt Accessory Receptacle and 10 amp Accessory Circuit Breaker

The Power Center contains two built-in 12 volt accessory receptacles and a pre-wired 10 amp accessory circuit breaker. The Accessory Receptacles are not waterproof but have a splash proof built-in Cover that can be pressed in place when the receptacles are not in use. To reset the 10 amp accessory circuit, simply press in the 10 amp Accessory Circuit Breaker Button. If necessary, the battery can be charged through the Accessory Receptacle, but if using this, the charging current cannot exceed 10 amps.

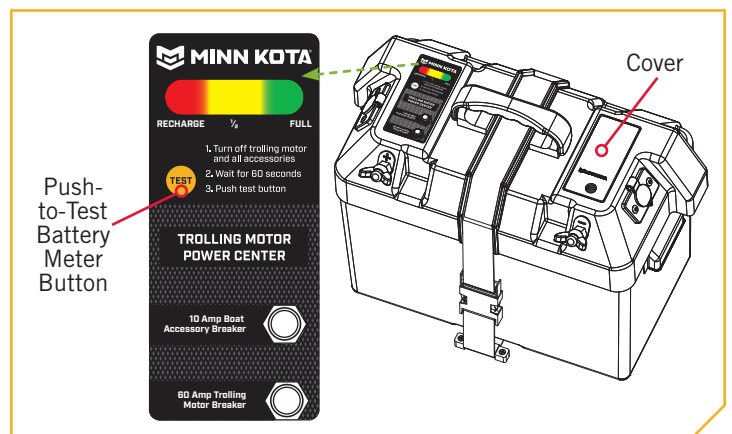


› Push-to-Test Battery Meter

The Power Center was designed with a Push-to-Test Battery Meter. It is located on the Cover of the product and uses 4 LEDs to display the state of the battery when the Push-to-Test Battery Meter Button is pressed. The Battery Meter provides an accurate display of the remaining charge in the battery. It is only accurate when the motor is off. The meter reads as follows:

- One light indicates recharge.
- Two lights indicate low charge.
- Three lights indicate good charge.
- Four lights indicate full charge.

If no LEDs illuminate when the Push-to-Test Battery Meter Button is pressed, check the 60 amp circuit breaker by pressing the 60 amp Circuit Breaker Button. If the Push-to-Test does not work after the circuit breaker is checked, double check the wiring under the Cover. The Red Wire on the Cover should be connected to the Positive (+) battery terminal and the Black Wire on the Cover should be connected to the Negative (-) battery terminal.



> Installing the Power Center to the Boat

1

ITEM(S) NEEDED



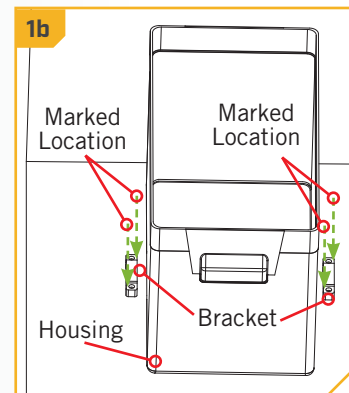
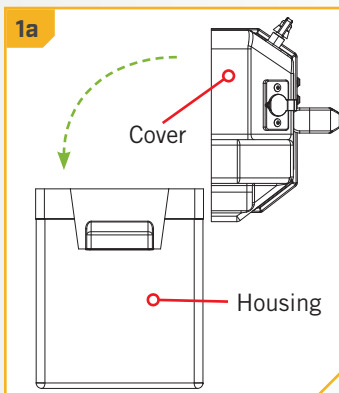
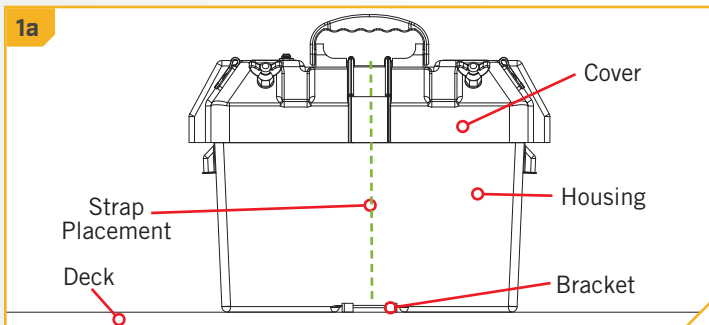
#2 x 1



#4 x 1

#8 x 2

- a. Review the Mounting Considerations at the beginning of these instructions before installing the Power Center. Take the Cover (Item #2) and place it on the Housing (Item #4). Place the Cover and Housing on the Deck of the boat at the intended installation location. Check fit and function of the intended mounting location and then remove the Cover, if desired to make installation easier. Take both Brackets (Item #8) and place them on the Deck on each side of the mounting location. The Brackets should sit, one on each side of the widest length of the Housing in the middle along the groove in the side of the box for the Strap.
- b. With the Brackets in place, use a pen or similar marking tool to mark the Deck of the boat on each of the four screw holes, two for each Bracket.



2

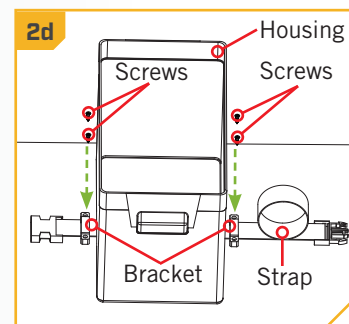
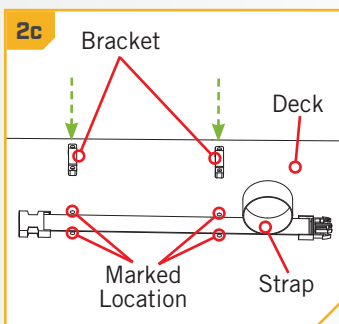
ITEM(S) NEEDED



#10 x 1

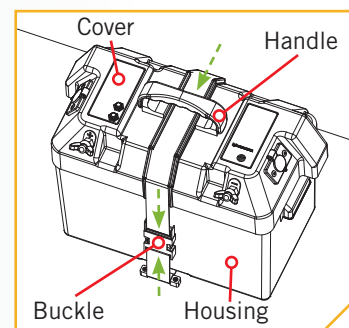
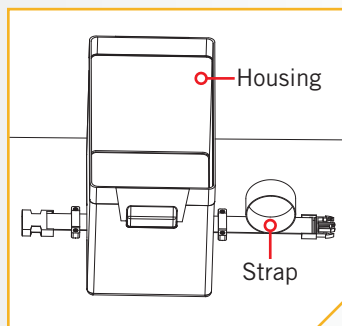
#6 x 4

- c. With the Deck marked, lift the Brackets up and locate the Strap (Item #10). The Strap will be installed onto the Deck of the boat using the Brackets to fix it in place. Determine which direction the Buckle will face on the final installation and orientate the Strap so it will pass under the Brackets and close around the Battery Power Center as desired. If desired, place the Housing back in place over the Strap, with the Brackets in place to check fit and function.
- d. With the Strap in place, confirm the Brackets are positioned at the marked locations. Take four of the Screws (Item #4) and install two of the Screws using an #2 Phillips Screwdriver in each Bracket at the marked locations.



3

- e. With the Brackets and Strap secured, replace the Cover on the Housing. Secure the Strap on the Cover by passing it through the Handle on the top Cover and closing the Buckle. Tighten the strap if necessary so it is secure.



Connecting a Battery to the Power Center

When the Power Center is connected to the battery, the two 12 volt Accessory Receptacles, Push-to-Test Battery meter and 60 amp Trolling Motor Circuit Breaker will automatically be a part of the electrical system as they are pre-wired in the Cover. Review the "Battery & Wiring Installation" section of the Owner's Manual for your trolling motor for all battery and wiring recommendations before connecting the trolling motor to the Trolling Motor Battery Power Center or the battery. The Owner's Manual will include amp ratings, batteries compatible with your trolling motor and more. Find your Owner's Manual online at minnkotamotors.com.

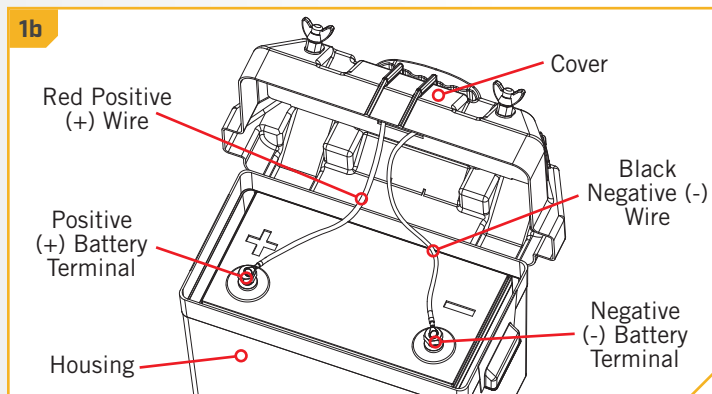
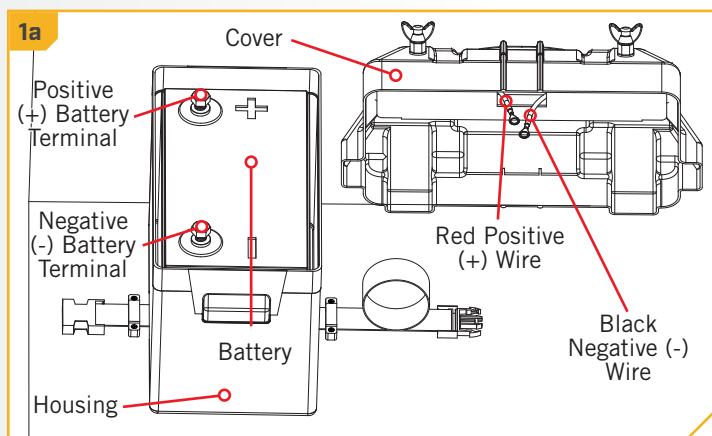
WARNING

Never connect the (+) and the (-) terminals of the same battery together. Take care that no metal object can fall onto the battery and short the terminals. This would immediately lead to a short and extreme fire danger.

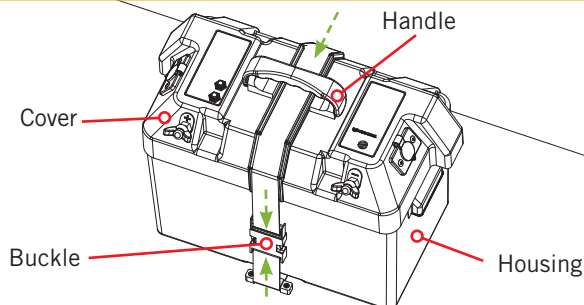
It may be desired to add dielectric grease to the battery terminals when making connections. Dielectric grease is used to keep moisture off the terminals and keep the connection clean.

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- a. With the Power Center installed to the boat, place a group 24 or group 27 Battery into the Housing. Identify the Positive (+) Battery Terminal and the Negative (-) Battery Terminal on the Battery. The battery will be connected to the Cover of the Power Center. Take the Cover and turn it over. Identify the Red Positive (+) Wire and the Black Negative (-) Wire.
- b. When installing the Cover to the Battery, the Red Positive (+) Wire will be connected to the Positive (+) Battery Terminal. The Black Negative (-) Wire will be connected to the Negative (-) Battery Terminal.
- c. Tighten to battery manufacturer's specifications. When the wires are secure, close the Cover on the Housing and secure the Strap.



1c



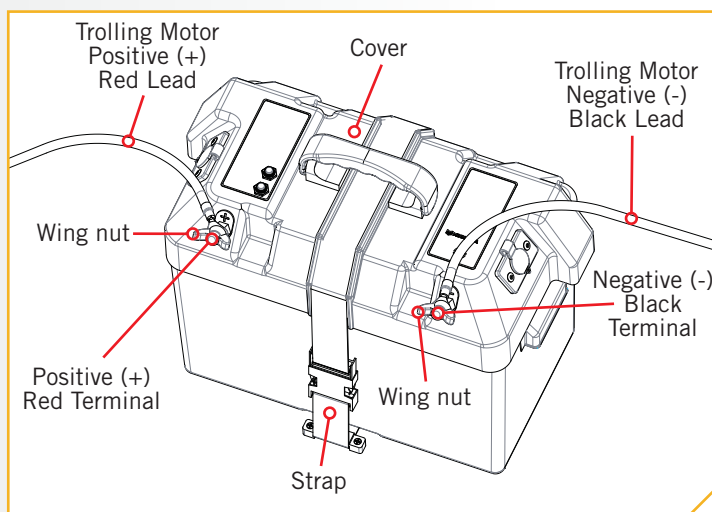
▶ Connecting a Trolling Motor to the Power Center

Review the "Battery & Wiring Installation" section of the Owner's Manual for your trolling motor for all battery and wiring recommendations before connecting the trolling motor to the Power Center or the battery. The Owner's Manual will include amp ratings, batteries compatible with your trolling motor and more. Find your Owner's Manual online at minnkotamotors.com.

1

- Make sure that the motor is switched off (speed selector on "OFF" or "0").
- Connect the Positive (+) Red Lead from the Trolling Motor to the Positive (+) Red Terminal on the Trolling Motor Power Center Cover.
- Connect the Negative (-) Black Lead from the Trolling Motor to the Negative (-) Black Terminal on the Trolling Motor Power Center Cover.
- Tighten the Wing nuts to secure the connection.

NOTICE: The Red Wing nut for the Red Positive (+) Terminal is 3/8"-16. The Black Wing nut for the Black Negative (-) Terminal is 5/16"-18. A replacement kit (Part # 993150) is available for lost Wing nuts.



NOTICE: It may be desired to add dielectric grease to the battery terminals when making connections. Dielectric grease is used to keep moisture off the terminals and keep the connection clean.



WARNING

For safety reasons, do not switch the motor on until the propeller is in the water. If installing a lead wire plug, observe proper polarity and follow instructions in your boat owner's manual.



WARNING

- For safety reasons, disconnect the motor from the battery or batteries when the motor is not in use or while the battery/batteries are being charged.
- Improper wiring of 24/36 volt systems could cause battery explosion.
- Keep lead wire wing nut connections tight and solid to battery terminals.
- Locate battery in a ventilated compartment.

For warranty information, please visit minnkotamotors.com.



minnkotamotors.com



Part #2384957

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