

Powered Personal Transportation

Electric Power Board



Product Handbook

**FOR THE BLADEZ XTR SE
ELECTRIC POWER BOARD**

**Models: PB-SM 816-S
PB-SM 816
PB-SM 817**

Revised 6/09/05

MODEL NUMBER

**PB-SM 816
PB-SM 816S
PB-SM 817**

ACCESSORIES INCLUDED

**NONE
SEAT ONLY
SEAT AND BASKET**

**PLEASE BE SAFE WHEN RIDING . . .
ALWAYS WEAR A HELMET AND OBEY ALL LAWS!**





IMPORTANT



BATTERY MAINTENANCE and CHARGING INSTRUCTIONS

1. You **MUST** charge completely prior to initial use. (Follow charging instructions on page 8).
2. Charge immediately after every use.
3. Charge before storage. You **MUST** charge every 30 days if not in use.
4. **DO NOT** allow this unit to Deep Discharge.
5. For safety purposes, **DO NOT** charge for over 24 hours.
6. Turn the unit **OFF** when not in use.

**Failure to follow proper CHARGING INSTRUCTIONS will
VOID YOUR WARRANTY!**

**This PRODUCT IS NOT INTENDED FOR EXTREME or
OFF-ROAD Use! Please take care of your POWER BOARD!**

DO NOT JUMP or ABUSE THIS PRODUCT!

DO NOT RIDE IN WET CONDITIONS!

**Failure to follow these instructions will
VOID YOUR WARRANTY!**

If you have any questions, please contact Bladez customer service
(866) 325-2339 or visit us on the web at **www.ebladez.com**

IMPORTANT

PLEASE READ THIS BEFORE USING THIS PRODUCT

READ THIS FIRST!

WARNING

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operation of this product. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

DO NOT operate this product in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

DO NOT use a water hose to clean this product. See Product Handbook for more information.

This product is recommended for riders 16 YEARS OF AGE and older.

SAFETY

- This product should not be used by persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision making capabilities.
- This product should not be used by minors without adult supervision.
- This product should not be used by persons unwilling or unable to take responsibility for their own actions.
- The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear safety helmet, goggles, gloves, elbow and knee pads and appropriate footwear.
- This product is ELECTRIC! DO NOT Ride this product in wet conditions, puddles or rainy weather.

DO NOT TAKE YOUR
BLADEZ POWER BOARD BACK
TO THE STORE!
CONTACT US FIRST

IF YOU HAVE ANY QUESTIONS OR NEED
ASSISTANCE,
PLEASE CALL BLADEZ, TOLL FREE AT:

(866) EBLADEZ
(866) 325-2339

MONDAY thru FRIDAY, 8am to 5pm PST
or visit us on the web at:

www.ebladez.com

NETWORK OF BLADEZ SERVICING DEALERS

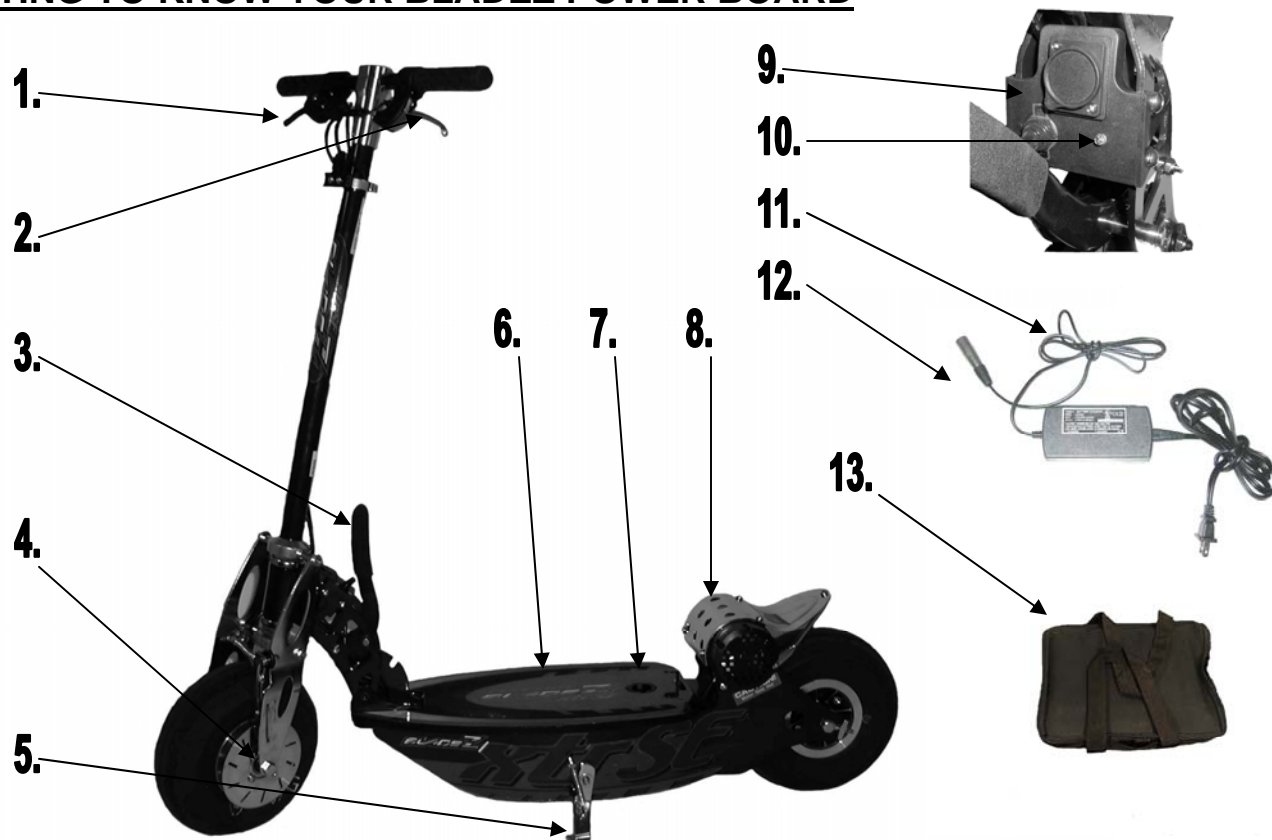


FOR ALL YOUR POWER BOARD NEEDS

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GETTING TO KNOW YOUR BLADEZ POWER BOARD



Before operating your BLADEZ Power Board, please get acquainted with all of the features:

- | | |
|-------------------------|-----------------------------------|
| 1. Accelerator Lever | 8. 450W Electric Motor |
| 2. Brake Lever | 9. Power Panel with On/Off Switch |
| 3. Folding Handle | 10. Multi-Function LED |
| 4. Disc Brake | 11. Charger Cord |
| 5. Kickstand | 12. AC Charger |
| 6. Quick Release Deck | 13. 2 12V, 12AH Batteries |
| 7. Integrated Seat Base | |

GETTING STARTED

Install Handlebars

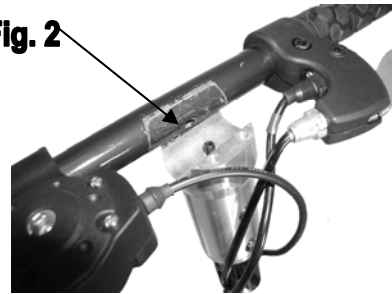
Before using your XTR-SE, loosen the 4 bolts from the billet stem cap with the Allen wrench provided, and then remove the cap from the stem as shown in (Fig. 1).

Fig. 1



Place the handlebar onto the billet stem with the hole facing down towards the threaded bolt as shown with arrow in (Fig. 2).

Fig. 2



Place the billet stem cap on top of the handlebar and tighten the bolts to secure the handlebar onto the stem as shown in (Fig. 3).

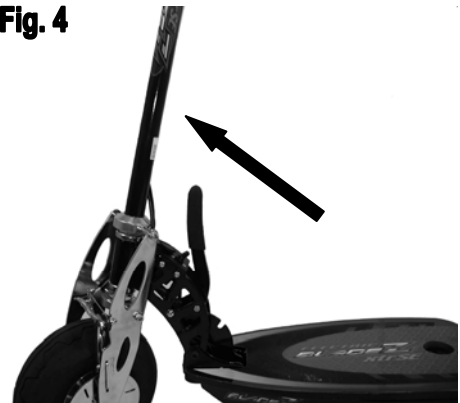
Fig. 3



Unfolding Instructions

1. To unfold the XTR-SE, begin by pressing down on the FOLDING HANDLE with one hand while gently pulling up on the handlebar with the other hand.
2. Fully extend the handlebars to their upright position until you feel the mechanism lock into place (Fig. 4).

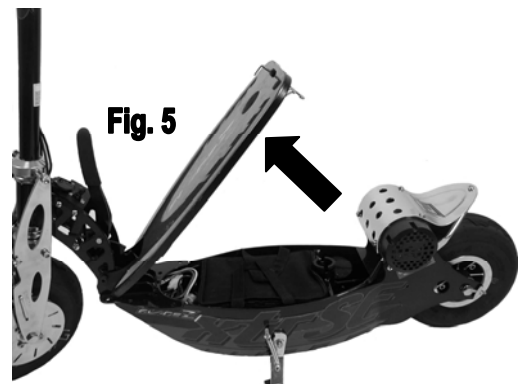
Fig. 4



Quick Release Deck

The XTR-SE comes equipped with a quick release deck which gives you easy access to the batteries and the pc board. To open, pull the deck up from the rear of the scooter and it will open towards the handlebars (Fig. 5).

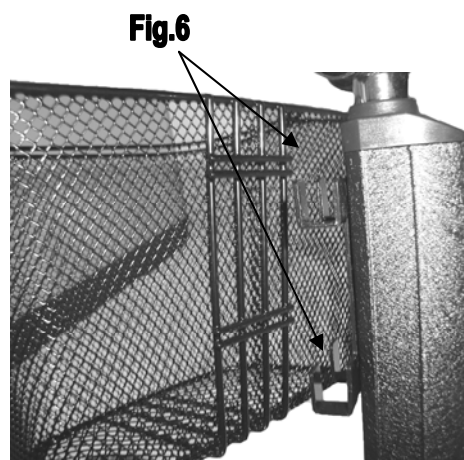
Fig. 5



Rear Basket Kit

(NOTE: Included with model PB-SM 817 ONLY!)

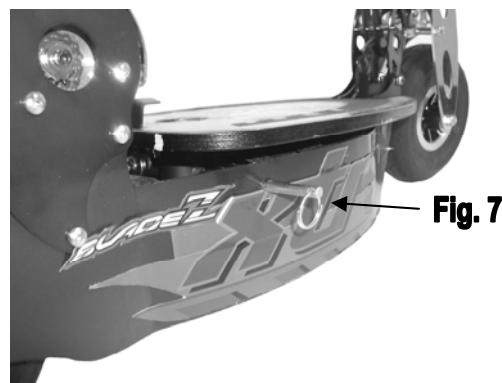
The model PB-SM 817 comes with a rear basket that will connect to the back of the seat post. In order to install the rear basket simply slide the basket onto the bracket on the rear of the seat post (Fig 6).



Integrated Seat Base

(NOTE: Seat included with models PB-SM 816S and PB-SM 817 ONLY!)

The XTR-SE comes with a seat base built in to the scooter. Having this base built in to the scooter will make it easy to install and uninstall the seat quickly and easily. To install the seat, remove the pin from the side of the scooter (Fig. 7). Then place the seat post into the base on the deck. (Fig. 8) Replace the pin in the side of the scooter to secure the post. Place the seat on the seat post and adjust to your preference and tighten the nut on the underside of the seat. You may now adjust the seat to your preferred height. You are ready to use your seat kit.



Batteries

The batteries on the XTR-SE come stored in a bag and are removable. This also gives you the option to buy a second set of batteries which you can swap when one set of batteries starts to run low. For more information about hot-swappable batteries contact us on the web at www.ebladez.com or call us toll free at (866) 325-2339.



CHARGING SYSTEM

This unit comes standard with a regulated charger.

Charging

Your XTR-SE should come charged out of the box. Bladez still recommends charging the unit for 6-8 hours prior to first use! Bladez also recommends charging your XTR-SE after every use and prior to storage.

NOTE: It is not advisable to leave your Power Board plugged in for more than 24 hours.

Warning: DO NOT allow your Power Board to go into deep discharge! – This will damage the batteries.

ALWAYS CHARGE YOUR POWER BOARD PRIOR TO STORAGE.

Charging Your Scooter

1. Carefully remove the XTR-SE from the box.
2. Make sure the unit is turned OFF.
3. Uncover the charging jack by rotating the safety cover as shown (Fig. 9).
4. Locate the picture of your charger in the chart on the following page and follow the instructions for your charger.

Fig. 9



Model: LP-2425

1. Plug the power cord into the wall outlet. The LED will light solid green (showing you have power).
2. Insert the round charger plug (the end with the prongs inside of it) into the charging jack (Fig. 9).
3. The LED will flash green indicating that the charging process has started.
4. When the LED stops flashing, the batteries are fully charged. You may unplug the charger and close the safety cap.
5. You are now ready to ride the XTR-SE.

**Model: HP-1202B**

1. Plug the power cord into the wall outlet. The LED will light solid red (showing you have power).
2. Insert the round charger plug (the end with the prongs inside of it) into the charging jack (Fig. 9).
3. The LED will be red/green indicating that the charging process has started.
4. When the LED turns solid green, the batteries are fully charged. You may unplug the charger and close the safety cap.
5. You are now ready to ride the XTR-SE.

**Model: D24-125A**

1. Plug the power cord into the wall outlet. The green LED will light (showing you have power).
2. Insert the round charger plug (the end with the prongs inside of it) into the charging jack (Fig. 9).
3. The red and green LED's will both light indicating that the charging process has started.
4. When the red LED goes out, the batteries are fully charged. You may unplug the charger and close the safety cap.
5. You are now ready to ride the XTR-SE.



Multi-Function LED

The XTR-SE comes equipped with a multi-function LED that indicates charge status while riding. When the scooter is powered on and has a full charge (over **23.2V**) the LED light will be green. While riding the LED light will turn to yellow to indicate mid-charge (**21.5V to 23.2V**). When the LED light turns red (**under 21.5V**) it is time to charge your scooter. If the LED light starts to blink red (**under 19V**) the scooter has gone into deep discharge and it is recommended that you do not ride your scooter until you recharge completely, as it may damage the batteries (Fig. 10).

Fig. 10

| VOLTS | COLOR |
|-------------------|-----------------|
| ABOVE 23.2 | GREEN |
| BETWEEN 21.5V-23V | YELLOW |
| LOWER THAN 21.5V | RED |
| LOWER THAN 19V | BLINK RED LIGHT |

The LED has other functions to help you troubleshoot some problems.

- If you have the throttle lever depressed and you try to turn on the scooter the LED will blink red. This is to keep the scooter from running away when you are not ready.
- If the LED stays solid red after a full charge, you might have a problem with your PC board. Please contact Bladez customer service department.
- If there is a problem in the motor the LED will blink yellow. If the motor temperature reaches 221° F the scooter will shut off and the LED light will blink green. If that happens let the motor cool before you attempt to ride again.

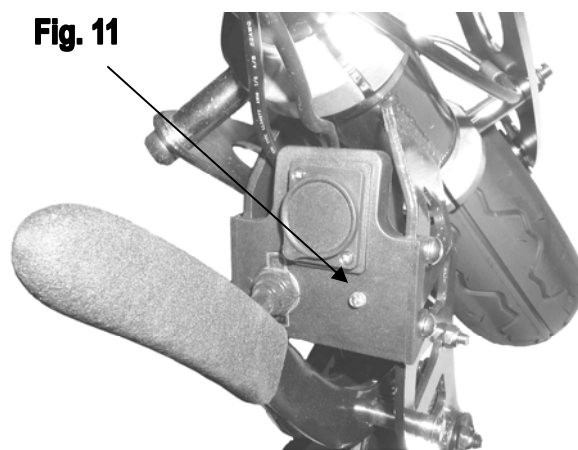
Riding

Before going for a ride, make sure that all of the bolts and screws are tightened. Flip the ON/OFF switch to the ON position, a green light next to the switch will turn on (Fig. 11). You are now ready to ride your scooter.

NOTE: If the unit is at the ON position for over 10-15 minutes without moving, Smart Power will shut the scooter OFF. To reset, turn the unit OFF, wait a few seconds and then switch it back ON again.

Put one foot on the deck of the XTR-SE. While pushing off with the other foot, gently squeeze the ACCELERATOR LEVER on the right side of the handlebars. The XTR-SE will begin to move on its own power.

Fig. 11



Your XTR-SE has a variable speed throttle lever. You can control the speed of your scooter by the amount of pressure you use when depressing the throttle lever. The more you depress the throttle lever the faster you will go.

To stop, release the accelerator handle and depress the BRAKE LEVER on the left side of the handlebars. Depressing the brake will disengage power to the motor. When the unit feels like it is losing power, or not accelerating to full speed you are ready to RECHARGE.

***NOTE:** At this time there is still a charge in the batteries, but it is not advisable to discharge them fully.

FOLDING AND STORAGE

When you are done riding the XTR-SE you can fold it down for compact storage, carrying and transportation. Make sure the POWER SWITCH is in the OFF position and the charger is unplugged from the socket.

Always charge your POWER BOARD fully prior to storage!

To fold down the XTR-SE, use one hand to pull back on the FOLDING HANDLE while using the other to gently pull down on the handlebars (Fig.12). BE CAREFUL NOT TO HIT YOUR HEAD WITH THE HANDLEBAR. Push down until you feel the mechanism lock into place.

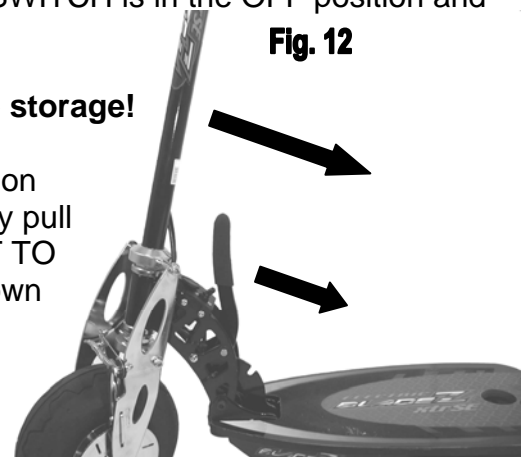


Fig. 12

RECOMMENDED TOOLS

To adjust and service the Bladez XTR-SE Power Board you will need the following tools:

Allen Keys: 3/4/5/6mm.
Wrenches: 8/10/13/14/17 mm Open and ring combination.
Large Adjustable Crescent Wrench
Philips Head Screwdriver
Oil, Grease or Lubricant (such as WD-40)

BRAKING SYSTEM

The XTR-SE uses a front wheel disc/caliper system activated by a hand lever (on the left side of the handlebar). The brake is activated by squeezing the BRAKE LEVER with your left hand. The XTR-SE is equipped with a controller that temporarily disengages the power to the motor when the BRAKE LEVER is depressed.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.

Adjusting the Brakes

The brakes on the XTR-SE should come fully adjusted from the factory. However, it may be necessary to adjust the brakes from time to time.

To Adjust the Brakes

1. Loosen the tension screw on the BRAKE LEVER by rotating it counter-clockwise until the wheel spins freely.

For Further Adjustment

2. With one hand, depress the brake caliper using your thumb and forefinger (Fig. 12).
3. With the other hand, adjust the tension screw on the brake line.
 - a. Turn the tension screw clockwise to loosen the brake.
 - b. Turn the tension screw counter-clockwise to tighten the brake.

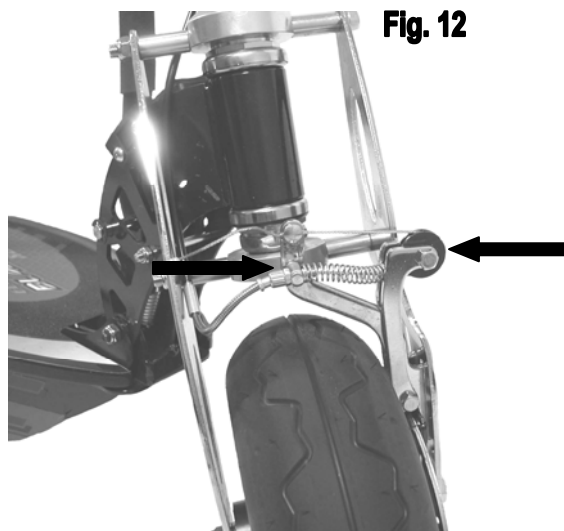


Fig. 12

Squeaky Brakes

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use, the squeak should go away.

TIRES AND WHEELS

The Bladez XTR-SE uses an identical rim and tire assembly on the front and rear wheels, which means that the tires can be rotated. The wheels are actually two wheel halves (split rim) bolted together to make it easier to remove and replace the tire.

Tire wear will vary based on rider weight, riding conditions and care. Replacement tires can be obtained at your local Bladez dealer, through motorcycle shops, from the Bladez website at www.ebladez.com or by calling Bladez at (866) 325-2339.

Tire Pressure

The tires should be inflated to a maximum of **60 P.S.I.**



Warning: Empty all air from the tire prior to loosening the bolts to split the rim.



ADJUSTING THE HEAD UNIT

The head unit should come adjusted from the factory. However, riding on rough terrain and general use may cause the head unit to become loose over time. It may be necessary to adjust the head unit from time to time.

To adjust the head unit:

1. Rotate the handlebar as far right as it will go to expose the HEAD UNIT.
2. Using a large adjustable wrench, gently loosen the lower lock nut, then tighten the upper nut, then tighten the lower lock nut to hold the upper nut in place.

* DO NOT over tighten as it will make it difficult to steer and may DAMAGE THE BEARINGS.

CHAIN CARE

Lubrication

Always keep the chains lubricated with a good chain spray or grease (not chain wax). If the chains are allowed to run dry for a prolonged period they will fail, and chain life will be shortened.

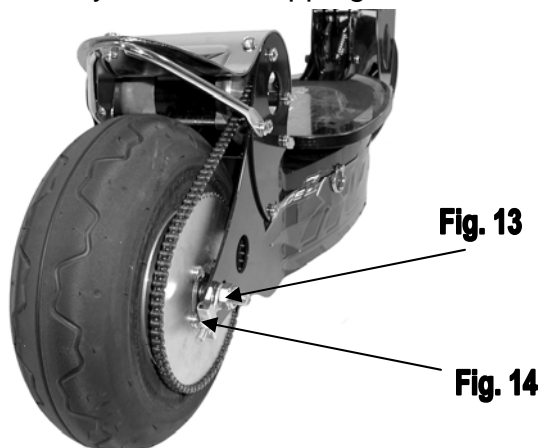
Chain Adjustment

The chain on the XTR-SE should be adjusted from time to time. The chain should be tight enough not to skip, but have a little bit of play. If you feel your chain skipping or make a popping noise, adjust the tension immediately.

For Regular Adjustments

1. Use a 17mm wrench to loosen the axle bolts on each side of the rear wheel (Fig. 13).
2. While the axle bolts are loose, using a 10mm wrench loosen the tension bolts behind the rear wheel of the XTR-SE and move the rear wheel backwards to remove the slack in the chain (Fig. 14)
3. Once this is achieved the wheel nuts must then be relocked into position and wheel alignment must be checked (while turning the wheel, visually check that the clearance between the wheel and the frame parts have clearance).

***Note: Chains that are run excessively dry or loose can result in sprocket teeth being severely damaged.**



TROUBLESHOOTING GUIDE

The following guide will help assist you in identifying and correcting common problems with your XTR-SE:

| Symptoms | Potential Causes: | Solutions: |
|--|---|---|
| The charger light indicates a full charge right away. | The batteries are fully charged. New scooters come charged in the box. | No action needed. New scooters should be charged for 6-8 hours prior to first use. |
| Batteries do not hold a charge. Unit does not have specified travel range. | Batteries have reached the end of their useful life or voltage difference between batteries is greater than .3 volt. Batteries are dead. Charger is malfunctioning. | Replace batteries. Replace batteries. Replace charger unit. |
| Unit moves intermittently, or very slow. | Loose battery wire. Batteries not fully charged or voltage difference between batteries is greater than .3 volt. Throttle plug is loose at controller board. | Lift the deck and check for a loose battery connection. Charge or replace batteries. Lift the deck and verify that the yellow throttle plug is pushed all the way into the connector on the controller board. |
| Unit will not move when throttle lever is activated. | Throttle connector is unplugged from the controller board. Batteries are dead. Defective throttle assembly. Defective controller board. | Lift the deck and plug the yellow throttle connector into the yellow connector on the controller board. Replace batteries, charger or circuit board. Replace throttle assembly. Contact Bladez customer service. |
| Unit stops abruptly during use. | Circuit breaker has "tripped". Loose battery wire. | Allow electric motor to cool and reset circuit breaker by turning power switch off and on. Lift the deck and check for a loose battery connection. |

OTHER QUESTIONS

Where can I get accessories and replacement parts?

- From your local Servicing Dealer
- By telephone: (949) 206-0330 or (866) 325-2339
- On the web at: **www.ebladez.com**

For additional questions, service instructions, further information and important phone numbers; please go to the Bladez website at **www.ebladez.com**.

If you have any additional questions, please contact Bladez Customer Service Department at (866) 325-2339.

Thank you for purchasing a Bladez Power Board and please tell your friends about how much fun you have on your Bladez Power Board.



www.ebladez.com

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