

Powered Personal Transportation
Electric Power Board



Product Handbook

**FOR THE BLADEZ
ION 150
ELECTRIC POWER BOARD**

Model: PB-SM812

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





IMPORTANT



BATTERY MAINTENANCE and CHARGING INSTRUCTIONS:

1. You **MUST** Charge your scooter completely prior to initial use.
(Follow charging instructions in your Product Handbook).
2. Charge immediately after every use.
3. Charge before storage. You must charge every 30 days if not in use.
4. Only use the charger provided.
5. **DO NOT** allow your unit to Deep Discharge.
6. For safety purposes, **DO NOT** charge for over 24 hours.
7. Power shuts off automatically when forward movement stops. There is no on/off switch.

**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

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 operations 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

NATIONWIDE NETWORK OF SERVICING DEALERS

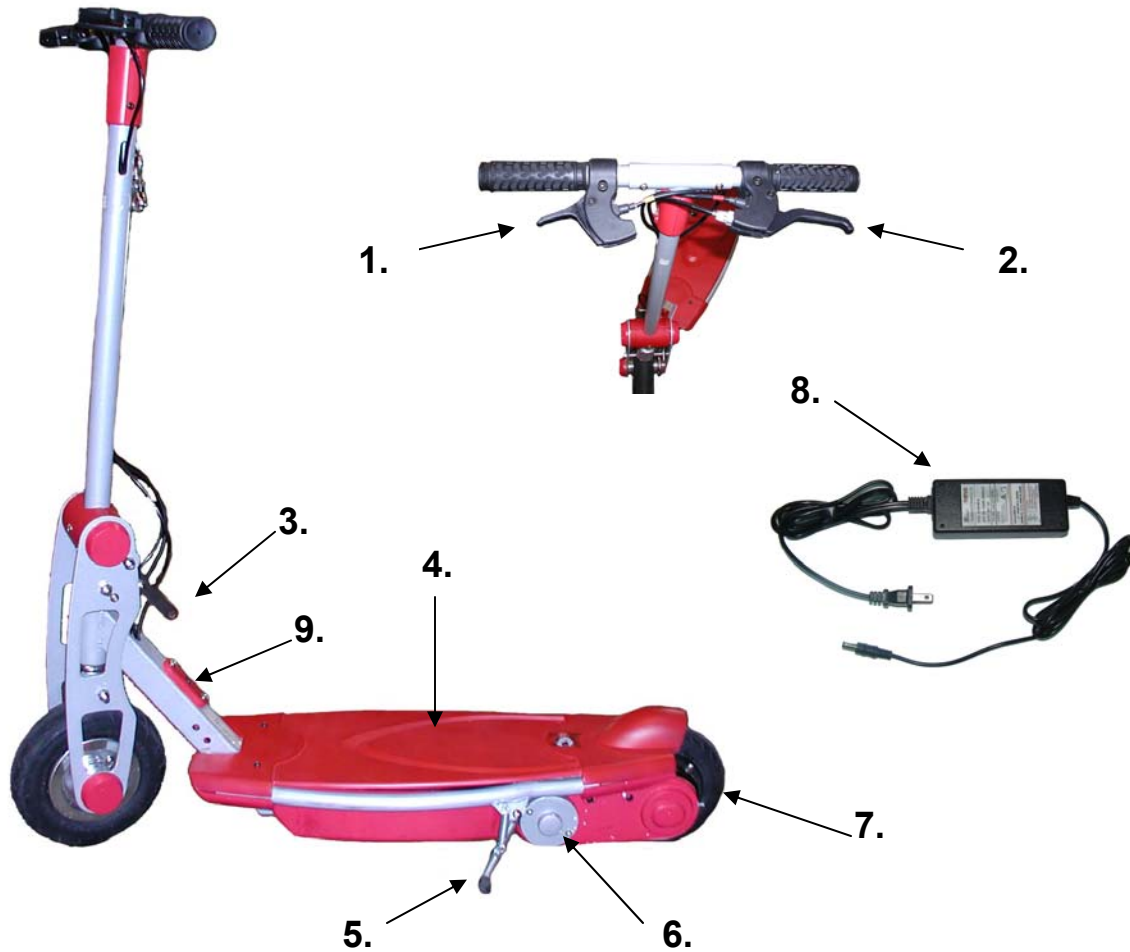


FOR ALL YOUR POWER BOARD NEEDS

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GETTING TO KNOW YOUR BLADEZ POWER BOARD



Before operating your Bladez ION 150 ELECTRIC POWER BOARD, please familiarize yourself with the following features:

- | | |
|----------------------|--------------------|
| 1. Accelerator Lever | 7. Rear Drum Brake |
| 2. Brake Lever | 8. 1 Amp Charger |
| 3. Folding Handle | 9. Charging Port |
| 4. Deck | |
| 5. Kickstand | |
| 6. 150W DC Motor | |

BOX CONTENTS

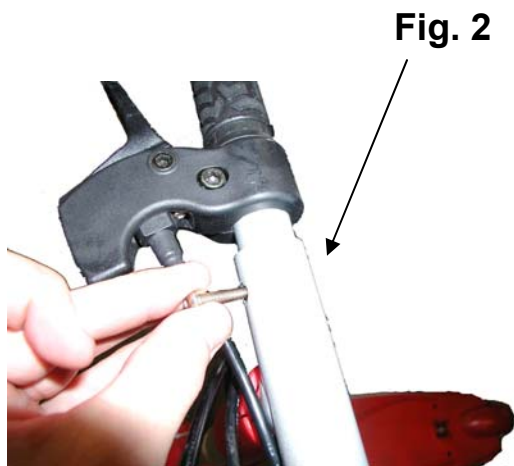
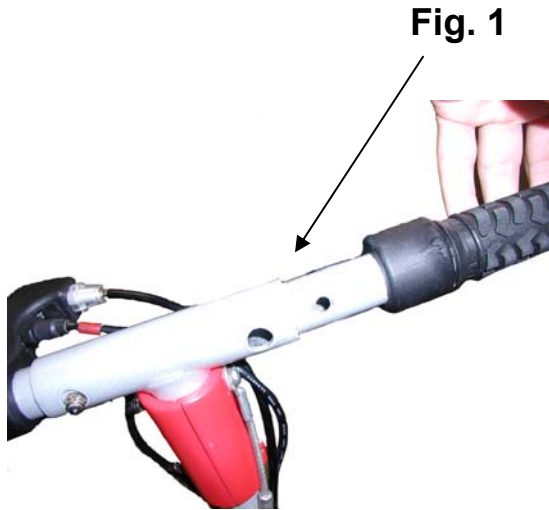
Your Bladez ION should come complete with:

1. Bladez **ION 150 ELECTRIC POWER BOARD**
2. AC Wall Charger
3. Allen Wrench
4. Instruction Manual and Registration Card

GETTING STARTED

YOUR SCOOTER WILL COME CHARGED OUT OF THE BOX BUT YOU MUST CHARGE YOUR ION 150 FOR 6-8 HOURS EVEN IF BOTH LIGHTS ON THE CHARGER ARE GREEN PRIOR TO FIRST USE!

Before You Ride



1. The ION is shipped with the Handlebars unattached.
2. You need to insert the accelerator and brake levers into the handlebars. To insert, remove the screws from the handlebar, then insert the right and left handle and align the holes. (Fig.1). Then insert the screws through the holes and tighten the nuts. (Fig. 2).
3. *Note: The Accelerator Lever (the one with the shorter lever) goes on the right, the Brake Lever goes on the left.
4. Make sure all of the bolts are tightened. Also make sure to insert the bolts in the correct way with the nuts on the back side of the handlebars as in Fig. 2
5. Make sure the front tire is inflated to 40 PSI as the tire may lose pressure during shipping. For information on inflating the tire, please refer to page 10. The rear tire is solid rubber.

* Note: It is not advisable to operate your Power Board with low tire pressure. This will negatively affect speed, handling and performance.

Batteries

The ION comes with 2 12V-6Ah batteries. The batteries are located under the deck. If you have any questions about your batteries you can contact us here at Bladez. You can visit our website at www.ebladez.com or call us toll free at (866) 325-2339.

CHARGING SYSTEM

This unit comes standard with a regulated 24V charger.

* Note that it is not advisable to leave your Power Board plugged in for more than 24 hours.

Charging

Fig. 3



1. The scooter comes with a 1 amp charger (Fig. 3). To charge your scooter, plug the adapter into the charging jack on the scooter (Fig. 4) and plug the charger into the wall. One green LED will light indicating that the charging cycle has begun. When the batteries are fully charged you will see two green LED's light up. Your ION 150 is ready to ride.

*Note: Full charging takes approx. 6-8 hours from full discharge. It is recommended that you charge your Power Board after each use.

Fig. 4



*It is recommended on your initial charge that you charge the batteries for 6-8 hours even if both lights on the charger are lit.

Unfolding

1. To unfold your ION, unhook the handlebar security clip. Hold the unit with one hand while gently pulling up on the handlebars with the other.
2. Fully extend the handlebars to their upright position until you feel the mechanism lock into place.

Riding

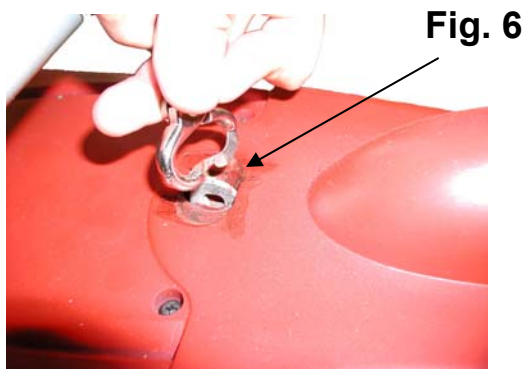
1. Make sure that all of the bolts and screws are tightened.
2. Raise the kickstand to its upright position.
3. The ION does not have an on/off switch. To ride, put one foot on the deck of the ION. After pushing off with the other foot, squeeze the ACCELERATOR LEVER on the right side of the handlebars. The Power Board will begin to move under its own power. You must reach approximately 2 mph to activate the motor.
4. To stop, release the accelerator handle and depress the BRAKE LEVER (on the left side of the handlebars). Depressing the brake will temporarily disengage power to the motor.
5. When you feel your Power Board moving slow, sluggish or running out of power, it is time to recharge. (See charging instructions on page 7)

*Note that there is still a charge in the batteries but it is not advisable to fully discharge the batteries.

FOLDING AND STORAGE



1. To fold your Power Board. Using one hand, gently pull up on the Folding Handle, while lowering the handlebars with the other (Fig. 5).



2. Lock the unit into the folded position using the handlebar security clip (Fig. 6).

RECOMMENDED TOOLS

To adjust and service the Bladez ION Power Board you will need the following tools:

- **Allen Keys:** • 3 / 4 / 5 / 6mm.
- **Wrenches:** • 10 / 13 / 16 mm Open and ring combination.
- **Philips Head Screwdriver**
- **Hand bicycle pump**
- **Oil, Grease or Lubricant (such as WD-40)**

BRAKING SYSTEM

The ION uses a rear wheel drum brake 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 ION 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.

The brakes are relatively maintenance free and come adjusted to the proper setting from the factory.

TIRES AND WHEELS

It is recommended that the front tire is inflated to 40 PSI. During shipping, the tire might be slightly deflated. The rear tire is solid rubber.

To Inflate the Tire



Fig. 7

1. Remove the valve stem cover to expose the valve stem (Fig. 7).
2. Using a standard bicycle pump, inflate the front tire to 40 PSI and replace the valve stem cover.

The Bladez ION uses a pneumatic tire in the front and a solid tire in the rear. The front wheel is actually two halves (split-rim) bolted together to make it easier to remove or replace the tire. Empty all air from the tire, prior to loosening the bolts to split the rim.

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, or from the Bladez website at www.ebladez.com. The Bladez ION uses a standard Innova 2.00 x 50 front pneumatic tire and a 150mm rear solid tire.

Tire Pressure

The front tire must be inflated to a maximum of **40 P.S.I.** It is also recommended to use a tube additive like **Slime** available from any motorcycle shop, to avoid inconvenient punctures.

BELT DRIVE

The Ion uses a belt drive system.

Belt Adjustment

The belt may need to be adjusted from time to time. Please follow the directions below to adjust your belt.



1. Using a screwdriver remove the plastic covers on each side of the rear wheel (Fig. 8).
2. Use a 16mm wrench to loosen the axle bolts. Once the axle bolts are loose, use a 10mm wrench to loosen the tension bolts behind the rear wheel of the ION and move the rear wheel backwards to remove the slack from the belt (Fig. 9).
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).

TROUBLESHOOTING GUIDE

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

Symptoms	Potential Causes:	Solutions:
Both lights on the charger turn green right away.	THIS IS NOT A PROBLEM! IONs come charged out of the box.	Charge your scooter for an additional 6-8 hours prior to initial use.
Charger is plugged in, but the second light on the charger never turns on.	Your ION has gone into deep discharge and cannot identify charge status.	Charge the scooter for 6 to 8 hours to bring the scooter out of deep discharge.
The ION does not hold the charge long enough.	The sealed lead acid batteries have reached the end of their life and will need to be replaced	Replace batteries. Call Bladez for replacement information.
My ION `sputters' or accelerates very slowly	Your battery is running out of charge.	Recharge your ION.

OTHER QUESTIONS

Where can I get spares, accessories and replacement parts?

- From your local Servicing Dealer
- By telephone: (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 the Bladez Power Board.



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