

Today'sHighTech.com, LLC 5235 Mission Oaks Blvd. #324, Camarillo CA 93012  
805-504-5808

# Owner's Manual

**Today'sHighTech.com, LLC**  
**5235 Mission Oaks Blvd. #324**  
**Camarillo, CA 93012 USA**  
**805-504-5808**



Read this manual completely before riding your electric scooter. By using this scooter you implicitly agree that you have read, understand and agree with all of the information contained in this manual. You agree that anyone under the age of sixteen will be directly supervised by an adult at all times. This scooter will only be used on dry paved roadways and not off road or in dirt or sand at any time. Rider will wear a SNEL approved helmet.

## **WARNING**

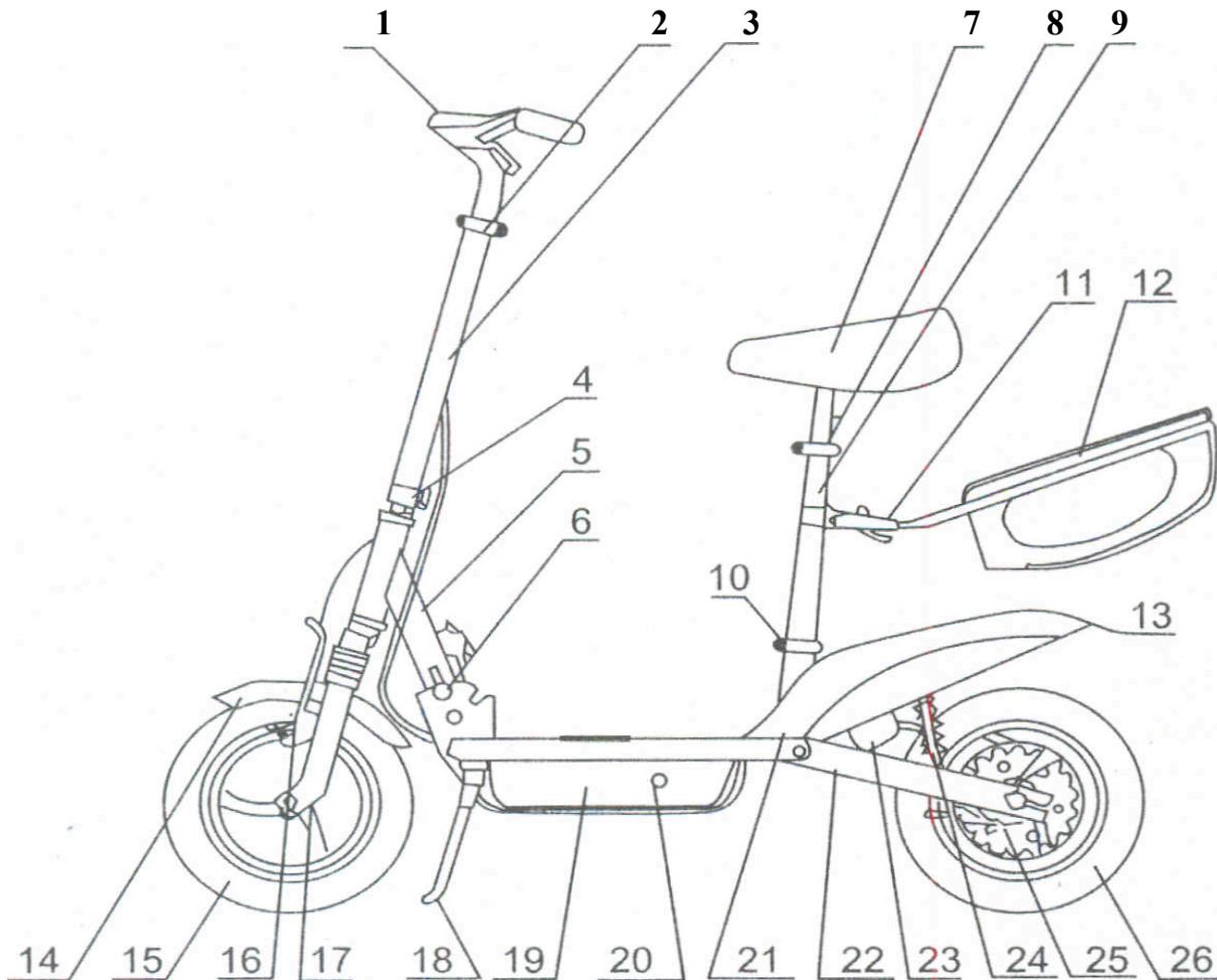
THIS ELECTRIC SCOOTER IS NOT A TOY AND SHOULD NOT BE OPERATED BY ANY ONE UNDER 16 YEARS OLD WITHOUT DIRECT ADULT SUPERVISION. THE MAXIMUM WEIGHT CAPACITY IS 250 LBS. ONLY ONE PERSON AT A TIME SHOULD BE ON THE SCOOTER. ONLY ONE PERSON SHOULD RIDE THE SCOOTER. ALWAYS WEAR PROTECTIVE GEAR INCLUDING KNEE AND ELBOW PADS AND AND AN APPROVED SNEL SAFETY HELMET WHEN RIDING THE SCOOTER.

## **TECHNICAL INFORMATION**

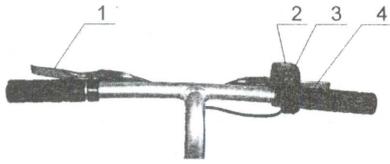
Model No.	: E-707-1
Product size (IN THE CARTON)	: 47.25"L*19.70"W*46.50"H
Type of motor	: Permanent-magnet brushed DC motor (RARE EARTH)
Motor power	: 350W
Battery type	: three sealed lead batteries (SLA) in series for a total of : 36V/7Ah MINIMUM DEPENDING ON MODEL AND DEPENDING ON CUSTOM ADDITIONS / MODIFICATIONS
Battery Charger	: ONLY A SMART UL LISTED UNIT 1.3 TO 1.8 AMP MAX OUTPUT CHARGER MUST BE ABLE TO AUTOMATICALLY CYCLE ON TO CHARGE AND POWER DOWN TO 0 AMPS OUTPUT FOR SAFETY
Charging time	: 4-6 hours TYPICAL FOR A FULL RECHARGE
Life of storage battery Rated speed	: approximately 300 charging cycles (full recharge) battery will last longer if fully charged and recharged prior to fully discharged.
Rated speed	: approx. 15 miles per hour on a full charge
Single charge	: approximately 8 to 10 miles (full charge, tires @ 50 psi, level paved road.
Max capacity	: 250 lbs – only one rider at a time.
Net weight	: 69.3 lbs (including battery)

THIS SCOOTER IS ONLY DESIGNED TO BE USED ON DRY, PAVED ROADWAYS ONLY. IT IS NOT DESIGNED TO DO TRICKS, BE DRIVEN OFF ROAD IN THE DIRT, SAND, GRAVEL, OR ANY ROADWAY NOT PAVED. YOU MUST CHECK THIS EQUIPMENT BEFORE EVERY RIDE. TIGHTEN ALL BOLTS, CONFIRM THAT ALL SAFETY EQUIPMENT SUCH AS THE BRAKES AND POWER DISCONNECTS WORK PROPERLY.

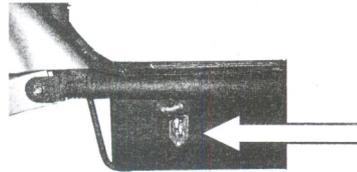
## LIST OF PARTS



- |                                |                              |
|--------------------------------|------------------------------|
| 1. Handle bar                  | 14. Front fender             |
| 2. Quick release               | 15. Front wheel w/inner tube |
| 3. Handlebar tube              | 16. Caliper brakes           |
| 4. Handlebar tube collar clamp | 17. Front fork               |
| 5. Square tube                 | 18. Aluminum kickstand       |
| 6. Handlebar tube latch        | 19. Battery compartment      |
| 7. Seat                        | 20. Power switch lock        |
| 8. Seat post quick release     | 21. Rear plastic cover       |
| 9. Seat tube                   | 22. Rear fork                |
| 10. Quick release              | 23. Motor                    |
| 11. Bag clamp                  | 24. Rear shock absorber.     |
| 12. Bag                        | 25. Hub brake                |
| 13. Reflector                  | 26. Rear wheel w/inner tube  |

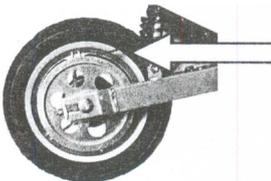


1. Brake handle
2. Battery gauge (not very accurate use a good voltmeter)
3. Power switch button
4. Thumb throttle

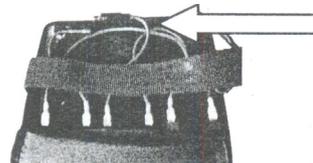


**Charger socket – only use the approved UL listed smart charger designed for this unit. Fire or explosion could occur if anything else is used in the port!**

**Belt – HTD 5mm Industrial. Length varies by factory from 710mm to 720mm typically (700mm or 730mm may have also been used at times. Verify size for spare.**



**Fuse 30 amp slow blow (inside the battery bag)**



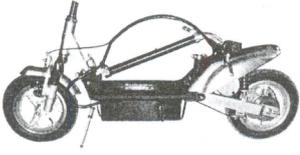


A UL listed Smart Charger is the only approved method to safely charge this unit. These are only two of several available that are approved for use. They must meet very stringent safety requirements for safely turning on and off and not overheating. One is provided with a new scooter

- Tool kit items     Box wrench (8 x 10 mm)    2 - Box wrench (14 x 17 mm)  
Allen Wrenches (6 mm), (5mm), (4mm), (3mm)  
Screwdriver, No leatherettes were harmed in the making of the pouch.



1. Unpack the scooter carefully so that you do not misplace any of the parts.



2. Place the scooter on a flat level surface and use the kick stand to hold it upright.

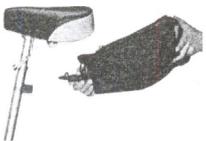
3. Slide the handlebar into the handle bar tube. Rotate the handle bar until the locking button snaps into the holes in the tube and is securely set. Secure the quick release.



4. Extend the handlebar tube to full upright position and apply firm pressure to slide it into the front fork. Tighten the handle bar tube collar clamp using the enclosed wrench.



5. Extend the seat tube to the full upright position and apply firm pressure to slide it into extended tube from the rear plastic cover; securely locking the seat tube quick release.



6. Secure the bag bracket into the bag clamp. Place the bag on the bag bracket. To release the bag bracket from clamp, pull the latch under the clamp; raise the bracket upward (shown here way up in the break the bracket mode). The tube bag clamp needs to be mounted as slow as possible so that the bag sits on the rear of the scooter. If the bag bracket is banged such as jumping a curb, the bracket will break.



7. The scooter is now fully assembled but the bracket for the rear bag is way too high and will easily break.

Please lower the bracket until the bag is sitting on the rear deck. Thanks

NOTE: Handle bar and seat tube height adjustment. Handle bar and seat tube height can be easily adjusted by

opening the quick release on the handle bar tube seat tube to preferred height, and firmly closing quick release.

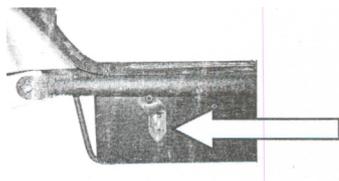
(IMPORTANT: Before riding be sure to check that all pivot points, locking buttons, quick releases, and latches are secured properly.)

## **CHARGING THE BATTERIES**

Before riding the Electric Scooter for the first time you must charge the batteries for 4-6 hours using the supplied UL listed smart charger. Depending on the type of charger, a green light will go from blinking to steady or if two lights will go from two red lights to a green and red light indicating full charge or trickle charge

To charge the batteries, plug the charger into the charger socket located on the right side of the body of the scooter.

Then plug the charger into a wall outlet.



The AC Charger output is regulated to charge the batteries and can vary up to 44 volts depending on the amperage required for a charging cycle. The charger needs to set to charge a 36 volt DC battery pack. Use of any other charger, other than the one provided with the scooter can be dangerous and should not be done because this will void any warranties and may cause a fire hazard.

The Electric Scooter is powered by three 12Volt, 7 Amp hour batteries as a minimum wired in series to provide 36 volts of power. All batteries charge simultaneously. You should charge your scooter after each ride. You must charge your Scooter if it has not been used for 30 days or more. Recharging time is between 4-6 hours for a complete charging cycle. The smart charger will cycle on and off as needed to maintain a full charge.

**The Power Key Switch Lock must be in the Off Position when the Scooter is being Charged.**

## RIDING THE QUAZAR

Once you have completed the initial charge you are ready to ride. Remember, this is not a toy. Your Electric scooter can reach speeds up to 15mph depending on the terrain and the weight of the rider. You must wear a helmet and protective pads. You must also be aware of all local laws and ordinances that govern restrict the use of powered scooters. The laws and ordinances vary greatly from municipality to municipality. It is your responsibility to know and abide by your local restrictions.

To ride, turn the power switch lock to the "on" position. The Power switch is located on the left side of the body of the scooter. The battery gauge, located next to the thumb throttle will illuminate when the power is on:

Hold onto the handlebars with both hands. Your fingers will control the brakes and your right thumb will control the throttle.

Assume a well-balanced position on the scooter and push off with your foot. As you depress the throttle lever with your thumb your speed will increase. Release the thumb throttle and apply the brakes to stop your scooter. You will control the speed of the scooter by using both the throttle and the brakes. When the brake handle is squeezed it cuts power to the throttle.

NOTE: When the scooter is parked, press the power switch button 'in' to the "off" position; this will avoid anyone from accidentally pushing the throttle causing the scooter to speed forward. Failure to do this could lead to an accident.



The Power switch button is the red button on the controller. Pushing the button in will hold the button in and lock out the motor controller. Push the button again and the button will stay out allowing the thumb throttle to work.

Always ride on dry paved surfaces. Wet and uneven surfaces are a hazard. Sand, loose gravel and dirt are dangerous.

Charge the battery after each ride. Depending on the load (weight of the rider), terrain and the speed at which you travel, a fully charged battery will last for about an hour.

## MAINTENANCE

### Battery:

The scooter is powered by a minimum of three 12 volts, 7 Amp hour, rechargeable, sealed lead acid batteries connected in series and delivering 36 volts of power. Some models have higher rated and longer lasting batteries that are compatible with the charging system. The charging system is only designed for sealed lead acid batteries. No other type of battery can be used with this charging system. Do not use any other type of battery unless you completely convert to the charging system required by the batteries that you are using. The charging system is critical to the safety of the system. Systems that are not compatible can cause fire, explosion or worse. Do not do it.

Other than recharging, these batteries need no maintenance and they are sealed. Make sure that the battery connections are tight and do not have any corrosion. Make sure not to use your scooter in a wet environment such as rain or heavy fog that might promote a short to occur. Do not break the seal on the battery since there is acid in the battery that can cause injury or damage if touched or spilled. To prolong battery life, do not store the scooter in areas where the temperature will regularly fall below 40F or rise over 100F.

If you must replace the batteries, they are located under the deck. To get to them, remove the deck by loosening the 2 screws on the front of the deck. To remove the batteries disconnect the wires from the battery terminals. Replace the batteries with new ones and reconnect the wires. Follow the instructions of your new batteries as to whether or not they have to be charged before use. Replacement batteries are available, call 805-504-5808 to order any supplies for your scooter.

We cannot be held liable for anything you do to your scooter that we did not provide. If you change anything, you must make sure that it is compatible with your scooter. You are responsible for routine maintenance. You are responsible to make sure that your scooter is road worthy every time that you use it.

**Maintenance – your scooter should be checked every time that is used. At a minimum;**

1. Inspect the entire scooter before each use; check the brakes, throttle and wheels.
2. If you hear any unusual noises, stop and check everything.
3. Clean the scooter regularly.
4. Lubricate the front and rear axle, and all turning parts. [see chart 1]

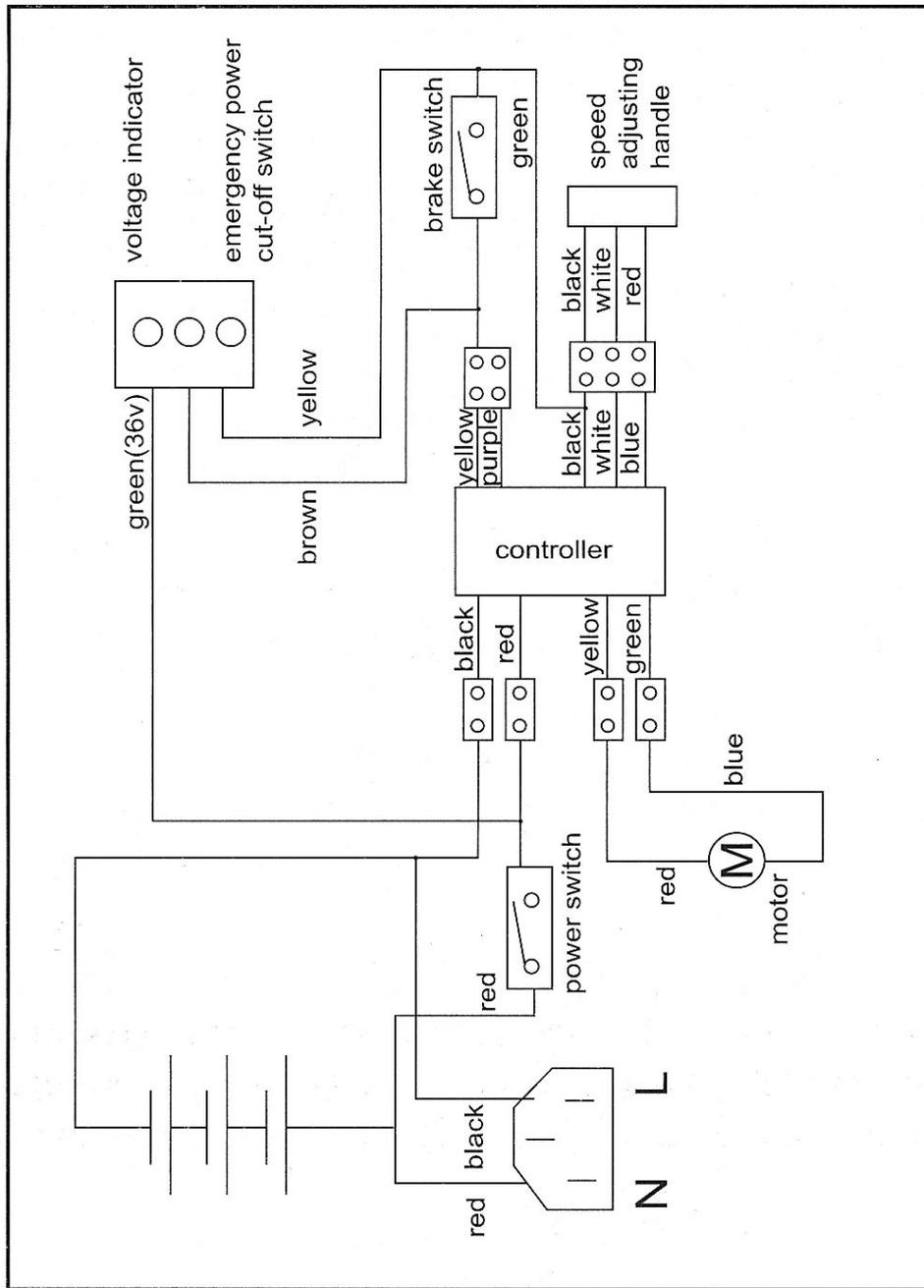
Chart 1 MINIMUM Term Inspection and MAXIMUM Maintenance Range

DO AN INSPECTION BEFORE EVERY TRIP THAT YOU TAKE. MAKE ADJUSTMENTS AS NEEDED BUT IN NO CASE SHOULD YOU EXCEED THE FOLLOWING TABLE THAT IS ONLY PROVIDED AS A GUIDE. MAINTENANCE IS CRITICAL TO YOUR SAFETY. BE SAFE EVERY TRIP. IF YOU DO NOT KNOW HOW TO MAKE ADJUSTMENTS TO YOUR SCOOTER THEN TAKE IT TO A QUALIFIED SHOP THAT CAN MAINTAIN YOUR SCOOTER FOR YOU.

MAXIMUM DISTANCE	300 miles	600 miles	1200 miles	1500 miles
Brake	A	I	A	I
Different control pull line	L	I	L	I
Tire	I	I	I	I
All the connect lines	I	I	T	I
Front fork and frame	I	I	I	I

ATTENTION: I: Inspect, Clean and Adjust. T: Tighten; A: Adj.: L: Lubricate periodically oil the axles with lightweight oil.

# WIRING DIAGRAM



## **TROUBLE SHOOTING GUIDE**

### Problem

The power indicator by the thumb throttle does not illuminate when the scooter is on.

Possible conditions 1. Battery is discharged. 2. Fuse is blown  
3. Loose connection inside the scooter.

Possible Solutions 1. Recharge your scooter 2. Check and replace the fuse (30 amp slow blow) 3. Open the battery compartment. Visually inspect all wire connections making sure there are no loose wires. Replace thumb throttle. If the lights do not come on but everything else works then it is your choice if you want to change the throttle. The lights are cute but little else. Save the money for pizza.

### Problem

The power indicator by the thumb throttle illuminates but scooter still does not work.

Possible conditions. 1. The throttle handle is not operating properly, nothing happens when using the thumb throttle. (make sure that the red button is in the out position. If the button is in the in position the motor controller will be locked out.  
2. There is a loose connector.

Possible Solutions 1. Replace the throttle. 2. Check all of the connectors and make sure all of the connections are made. Could be a problem with the motor controller.

### Problem

Clicking noise coming from motor

Possible conditions. 1. Brush in motor has come loose.

Possible Solutions 1. Replace motor. 2. Just monitor the situation and see if anything gets worse. Some motors have had a minor clicking sound for a very long time and never got any worse. You can order a motor and keep it as a spare if it let's you sleep any better. Nice paper weight,

### Problem

When the brake levers are squeezed the scooter does not stop.

Possible conditions. 1. The brakes are not adjusted properly. 2. The motor disconnect wires on the brake handles have been cut or come lose in the battery box.

Possible Solutions 1. Adjust the brakes 2. While under power, applying the hand brakes should disconnect the motor to allow for full braking. Carefully pick the unit up with some help. Confirm that either front or rear brake

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application disconnects the motor. Check to make sure the connections did not come loose in the battery box. Replace the brake assembly disconnect interlock. This comes as part of the either the front or rear hand brake assembly. Check the wire out. You may be able to change, repair, or solder the wire to make the repair. This is a big safety issue and something that should be checked on a regular basis. You do not want that strong 350 watt motor running at full speed while you are trying to brake.

Problem

Scooter is losing speed within just a few minutes

Possible conditions. 1. Low battery. 2. The temperature is in the freezing range and you left your scooter in an un heated space. 3. The temperature is over 100F and the unit is over heating.

Possible Solutions 1. Recharge your battery for 4-6 hours. Power is good again. If power is still low check the charger or the battery needs replacement. 2. Bring the scooter into a conditioned space and bring the temperature up slowly. Lead acid batteries do not like low or high temperatures because of the electro chemical nature of the storage device.

Problem

The front brake is pulsating when I apply pressure to the hand brake.

Possible conditions 1. The rim is bent. 2. The axle bolts are loose

Possible Solutions 1. Carefully check the rim by picking the front wheel off of the ground and spin the wheel. If the rim is bent, replace. 2. Carefully check the axle bolts. The wheel assembly should spin freely and not drag. You do not want to over tighten the axle bolts and place high side loads on the wheel bearings.

Problem

The power indicator by the thumb throttle does not illuminate when the scooter is on.

Possible conditions 1. Battery is discharged. 2. Fuse is blown  
3. Loose connection inside the scooter.

Possible Solutions 1. Recharge your scooter 2. Check and replace the fuse (30 amp slow blow) 3. Open the battery compartment. Visually inspect all wire connections making sure there are no loose wires. Replace thumb throttle. If the lights do not come on but everything else works then it is your choice if you want to change the throttle.

Today'sHighTech.com is here to help you. Contact us so that we can help you to diagnose your equipment. We want to help you get years of service out of every purchase.

## LIMITED WARRANTY

The scooter is warranted for 30 days from the date of original retail purchase. This warranty covers defects in materials and workmanship and is not transferable.

The warranty does not cover the following: normal wear and tear, any damage, failure or loss caused by accident, misuse, neglect, abuse or failure to follow instructions and warnings in the Owners Manual or other printed materials provided with the product, or damage, failure or loss caused by the use of scooter for stunt riding, ramp jumping, competition, off-road riding, acrobatics or other similar activities; or in any other manner for which it was not designed. The warranty does not apply to any scooter components, mechanical, structural, or electrical, which has been in any way altered from original by any party. TODAYSHIGHTECH.COM, LLC will not be liable for any damage, failure, or loss caused by use of unauthorized service or parts.

All warranty claims must be made directly to TODAYSHIGHTECH.COM, LLC dealer.

TODAYSHIGHTECH.COM, LLC or an authorized TODAYSHIGHTECH.COM, LLC dealer, must perform all warranty service.

The original owner must provide proof of purchase prior to approval of any warranty claim.

Under no circumstances does this warranty include the cost of shipment or transportation to or from TODAYSHIGHTECH.COM, LLC or a TODAYSHIGHTECH.COM, LLC authorized dealer.

TODAYSHIGHTECH.COM, LLC, at its sole discretion, has the option to either repair or replace any defective product.

## **LIMITATIONS**

The foregoing warranties are in lieu of and exclude any and all other warranties not expressly set forth herein, whether express or implied by law or otherwise, including but not limited to any warranties or fitness for a particular purpose.

TODAYSHIGHTECH.COM, LLC shall in no event be liable for incidental consequential losses, damage or expenses in connection with its scooter products. The liability of TODAYSHIGHTECH.COM, LLC hereunder is expressly limited to the replacement or repair of goods complying with this warranty. Some states may not permit the exclusion or limitation of implied or consequential damages so the preceding limitation and exclusions may not apply to you.

## **DISCLAIMER**

The Electric Scooter is not a toy. It is a battery operated scooter and as such is governed by local rules and regulations. It is your responsibility to know your local ordinances and how they affect the use of electric scooters. TODAYSHIGHTECH.COM, LLC makes no claims as to the restrictions, or lack thereof, that govern the use of this, or any other, electric scooter.

# **Just remember, safety pays.**

## **Operators ONLY - No passengers**

Persons unwilling or unable to abide by the terms in this manual should not use this product. You must comply with all laws and reasonable care to help prevent any accident from happening. If an accident occurs, the operator must bear all responsibility for their own actions. The user of this product assumes all risks associated with its use.

The status of the Electric Scooter as a "Motor Vehicle" is subject to driver's licensing, insurance requirements and registration which varies from state to state and can change at any time by legislation or local ordinance. Please check your local department of motor vehicles for regulation in your state.

The Federal Government has concluded by interpretation of the law and regulations that an Electric Scooter is not a motor vehicle. However, this does not take away any state or local regulation pertaining to the use of this product on state roads.

Your insurance policies may *not* provide coverage' for accidents involving the use of this vehicle. To determine if your coverage is sufficient for operation and liability of this product, please check with your insurance company or agent.

DO NOT TAKE ANY CHANCES WITH YOU SAFETY. CHECK WITH ALL GOVERNING AGENCIES AND YOUR INSURANCE COMPANY. DO NOT LEAVE ANYTHING TO CHANCE!

If you have questions please contact:

TODAYSHIGHTECH.COM, LLC  
5235 MISSION OAKS BLVD. #324  
CAMARILLO, CA 93012 USA

805-504-5808

(Do not return goods to the above address – ALL ITEMS MUST BE PRE APPROVED WITH AN RMA, RETURNED MERCHANDISE AUTHORIZATION WITH SPECIFIC SHIPPING INSTRUCTIONS AND LOCATIONS).

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