



# **EW-54**

## **Owner's Manual**



**[www.ewheelsdealers.com](http://www.ewheelsdealers.com)**

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LED Indicator indicating Radio is on

Volume up

Power

Volume Down

Previous Song / Previous Station

Play / Pause Song

Next song or station



## **Before you operate the scooter**

Locate the below listed materials in rear cargo box:

- Set of mirrors
- Electric charger
- Scooter Key (1: In Charger Box 2: Underneath seat)
- Owner's manual

## **IT IS VERY IMPORTANT TO READ OWNER'S MANUAL BEFORE SCOOTER OPERATION**

Scooter Initial Operation

- Read Owner's manual
- Insert key into ignition (or activate the scooter's remote start)
- Set digital speed D1 to lowest setting
- Turn lights on
- Adjust mirrors to desired positions
- Place both hands on black hand grips
- Twist the throttle slowly with your right hand
- Enjoy the ride!
- Turn off scooter by simply turning key to off position

## Technical Specifications

Model	EW-54 Scooter
Weight Capacity	500Lbs.
Speed:	Up to 15mph
Distance:	43 miles per charge <b>(distance varies on terrain, riders weight and road surface etc.)</b>
Front Seat: Type	Adjustable chair with backrest
Front seat: Size	22 ½"x17 ½"x23" (LxWxH)
Front Seat:	27" From Ground
Rear Seat: Type	N/A
Rear Seat: Size	N/A
Steering Height	41" from Ground
Rear Foot Rest:	N/A
Power:	Electric
Watts:	700 Watt
Motor Type:	Transaxle differential brushless
Amps:	20 AH
Volts:	60 Volts
Dimensions:	72" x 27" x 65" (LxWxH)
Floor Clearance:	5"
Front Basket:	N/A
Batteries:	(5) Sealed Lead Acid Maintenance Free
Forward/Reverse switch:	Yes
High/ Low Speed switch:	(3) Speed switch
Front tire size:	13" Tire Type: 90/65-8
Rear tire size:	15" Tire Type: 120/50-9
Charger:	60-volt Smart Charger included
Throttle Type:	Variable Speed Control – Twist throttle
Key Start:	Yes
Braking System:	Front and Rear drum brakes
Drive System:	700 Watt Brushless Motor
Headlight:	12V Bulb
Rear lights:	12V Bulb
Carton Size:	Shipped Fully assembled on Pallet – 80"x36"x73" (LxWxH)
Scooter Weight:	333lbs. with batteries
Battery Indicator:	Yes
Front:	Front Shock Absorbers
Rear:	Rear Shock Absorbers
Reflectors:	Yes
Warranty:	Limited – 3 Year Warranty

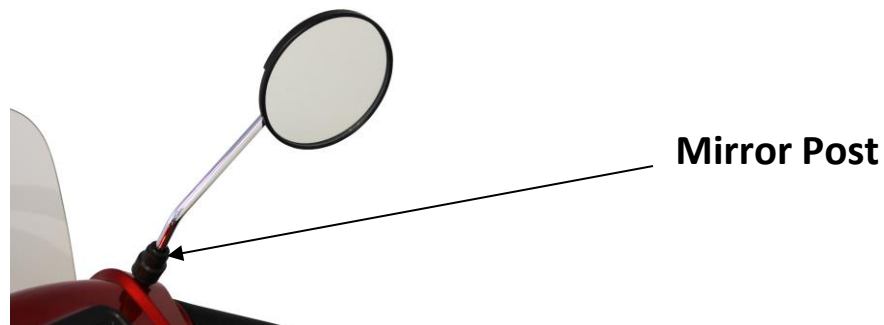
## **Cruise Control**

The Cruise control is located just under the digital dash, indicated by the “Cruise” button. Simply reach your desired speed while driving the scooter and press the “Cruise” button and the scooter speed will be fixed at your current speed until the brake pedal is pressed.

## **Mirror Assembly**

Your power scooter is shipped partially disassembled for protection during shipping. After unpacking, please check whether you have received the following main components as our standard specification (See Fig 1)

### **1. Mirrors**



To attach the mirrors simply place each mirror threaded end into the mirror post. Turn mirror clockwise and fasten mirror to scooter.

## **Operation of Scooter:**

1. To prevent injury to yourself or others, always ensure that the power is switched off when getting on or off the scooter and the emergency brake is on.

Always check that the variable speed control is set to the desired speed setting.

## **Variable Speed Control**

The EW-52 has several speed setting capabilities:

1. The “S” button located just under the digital dash can be pressed and the scooter will function at a slow speed.
2. The “D” button located just under the digital dash can be pressed to set 3 different speed functions.
  - Press once for D1: Slow speed function
  - Press twice for D2: Moderate speed function
  - Press three times for D3: Fastest speed function
3. Always check you have selected the correct forward or reverse button when about to drive. The reverse button is located below the dash. When the reverse button is pressed the reverse light will illuminate and the scooter will sound.
4. Always reduce your speed when making sharp turns.
5. Do not switch off the power when the scooter is still moving forward



## **Twist Throttle**

To operate the twist throttle simply place your hand on the throttle and twist the throttle towards you. The scooter speed is determined by how much you turn the throttle.



Twist Throttle

## **Ramps and Curbs**

1. Check that ramp surface is roughened to prevent slipping. Never drive across a slope or turn sharply on a slope.
2. When driving up curbs, always check the height of the curb to ensure that it does not exceed 4" height.

## Emergency Brake Handle



To activate the emergency brake, first start by depressing the foot pedal to alleviate tension from the brake lines. Keep the brake pedal depressed while activating or releasing the emergency brake. Pull the handle out towards you while the handle is in the vertical position to activate.

To deactivate, push the foot brake down again, and follow the instructions on the handle "Push Button and Turn" while pushing the handle pack into its housing.

## Seat Latch Release



To release the seat latch, you need to start by inserting the key into the ignition. Without pushing inwards, turn the key counter clockwise (left). You should feel resistance while turning the key, until it hits a stopping point where it cannot turn anymore. If you do not feel any resistance, this means the key has been pushed inwards, which bypasses the seat latch release.

While holding, the key turned counter clockwise at its stopping point, lift on the back of the seat. A good leverage point for lifting the seat is underneath the backrest. Once the latch is released, the entire seat assembly will lift towards the front column, and rest against the front tiller.

## **General**

1. Always use a seatbelt, and keep your feet on the scooter all the time.
2. Do not exceed maximum weight capacity of 500lbs. (including accessories and carry on)
3. Do not attempt to lift or move a power scooter by any of its removable parts. Personal injury and damage to the power chair may result.
4. Never try to use your scooter beyond its limitations as described in the manual.
5. Do not operate your vehicle if it is not functioning properly.
6. Do not connect any electrical or mechanical device to the scooter.  
Failure to obey this instruction may result in injury and will void the warranty.

## **Use While Under the Influence of Medication or Alcohol**

1. Check with your physician if you are taking any medication that may affect your ability to operate your powered scooter safely.
2. Do not operate your scooter while you are under the influence of alcohol as this may impair your ability to operate your power scooter in a safe manner.

## **Environment Condition**

### **Rain, Sleet and Snow**

If exposed to water, your power scooter is susceptible to damage to electronic or mechanical components. Water can cause electronic malfunction or promote premature corrosion of electrical components and frame.

## **Warranty**

For valid warranty claims E-Wheels will, at their discretion, replace/repair/refund items mutually agreed to be defective.

E-Wheels warranty as following:

1. Frame: (2) Year limited warranty
2. Electronic component: (1) Year limited warranty
3. Controllers: (3) Year limited warranty
4. Batteries: Not warranted
5. Consumables: Wheel, Tires, arm pads and seat cushions: Not warranted
6. Labor costs are NOT covered by warranty

Any damage or defect of any nature occurring from the misuse of the product is not to be covered. The warranty is to start from the date of arrival of our products.

## Seat Adjustment

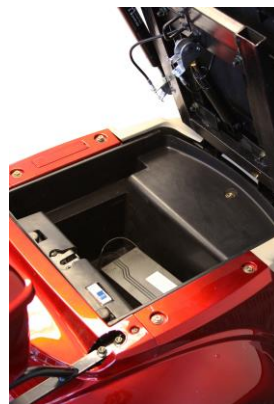
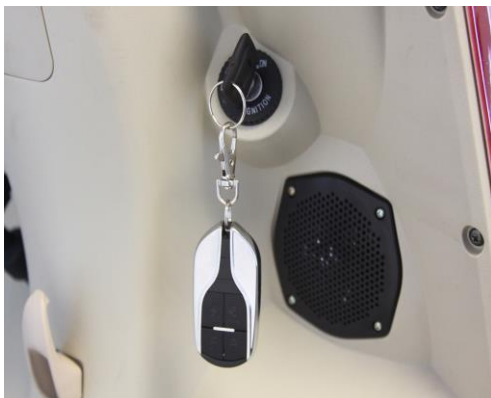
1. Locate forward/reverse seat push knob located on side of the seat



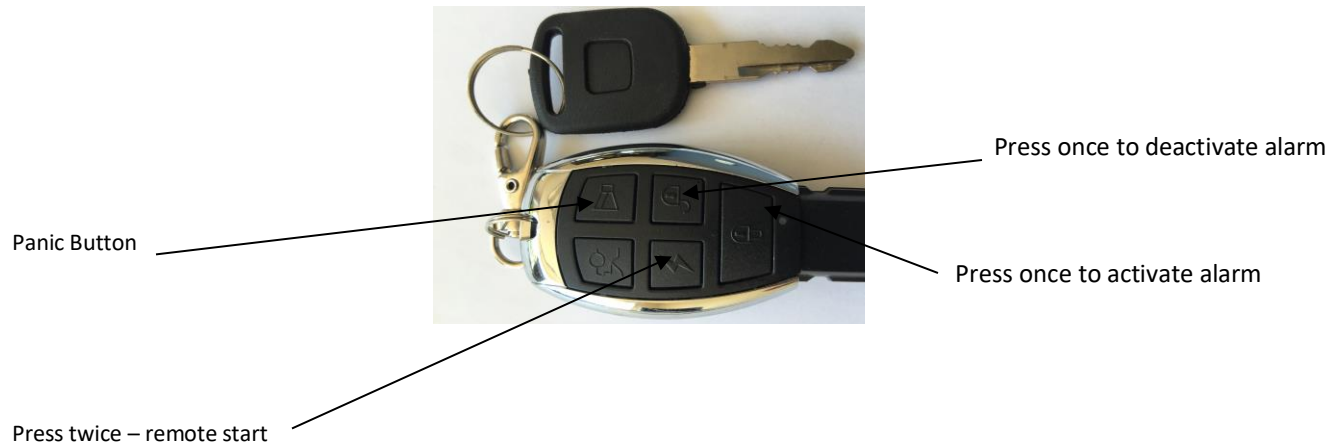
2. Seat arm rest can be in an upright position or a down position.

## Trunk

To open trunk simply insert ignition key while turning the key counter clockwise, place your hand on the seat back and pull seat forward. You must keep key turned while pulling seat forward and back. Be sure to not push in on the key)



## Key Fob



## Clock Adjustment

Press the “reset button” and this function will change from hours to minutes. Once at the desired location press the “select” button to change the digits.

Once the digit is changed simply press “reset” button once again and the function will change to the next digit in line. Simply repeat the process or desired settings.

## **Batteries and Charger**

We recommend that you use deep-cycle batteries that are sealed and maintenance free for your power scooter. Both are lead acid (SLA) and gel cell are Deep cycle batteries that are similar in performance. Deep-cycle batteries are specifically designed to provide power, drain down, and then accept a relatively quick charge. Lead acid batteries should be charged as often as possible.

Specification of the battery that we recommend:

Type:            Deep Cycle Sealed lead acid or gel cell  
Size:            20 AH  
Voltage:        12 V Each (5) total

Depending on the use, terrain and driving conditions, the batteries will provide a range of 43 miles of travel. However, if the power scooter is not in use we recommend that the batteries be charged monthly.

Note:

- Do not use any automotive batteries, they are not designed to handle a long, deep discharge and are unsafe for use in power scooter.
- The useful life of a battery is quite often a reflection of the care it receives.
- Always charge your batteries in well ventilated areas.
- The charger is intended for indoor use only.
- For maximum performance, it is recommended that you replace all (5) batteries at the same time if the batteries are weak.
- If the vehicle will not be used for a long period. Arrange to have the batteries recharged at least once every month to avoid deterioration.

Recharge the Batteries only when the key is in off position and when the indicator is showing low status. This confirms batteries needs to be recharged.



## Charger Use

1. Plug charger into Electric wall outlet
2. Insert charger port into scooter charging plug which is located on the front/side of scooter main body directly under seat.
3. Red charger light indicates scooter is charging
4. Green charger light indicated scooter is fully charged.
5. Do not exceed (8) hours of charging time. If light is

