OWNER’S MANUAL

IM4

SINGLE PERSON GOLF CART

WARNING
Read this Owner’s Manual carefully before operating your new scooter. If you do not fully understand any part of this manual, please contact Electric Vehicles Oceania on 02 8897 5374.
CHAPTER 1 - INTRODUCTION

Thank you for purchasing an IM4.

This manual contains important information concerning safety, operation and maintenance of your buggy. Please read this manual thoroughly and carefully to become familiar with all sections prior to operation. Should you have any questions please contact us.

We provide an extensive range of products to best fit your needs. Please be aware that the final selection and purchasing decision regarding the type of buggy to be used is the responsibility of a user who is capable of making such a decision.

As you begin using your buggy on the course, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you manoeuvre around obstacles and over rough terrain.

With proper care and preventive maintenance, you should enjoy many years of dependable service. We recommend your buggy receive a regular annual service from Electric Vehicles Oceania. Should you be unable to correct a fault in your buggy, contact us immediately.

We reserve the right of final interpretation on the manual. For any printing errors or improvements, Electric Vehicles Oceania will update in newer editions. Please let us know of improvements or errors.

Electric Vehicles Oceania is not responsible for any damage or injury incurred due to improper use. Please take the time to get familiar with your scooters characteristics and functions.

This buggy is easy to operate. The four large wheels will let you drive on unpaved roads, over moderately rough terrain and over obstacles. Care should always be taken when travelling on new routes. It’s equipped with both front and seat shock absorbers to give you a comfortable and smooth drive, even when using the vehicle on rough roads.

The IM4 is designed to work in normal environmental conditions from very cold temperatures (-30°C) to very hot temperatures (+45°C). It will operate in light rain showers, but extended use is not recommended in heavy rain. The IM4 can climb steep slopes with angles and loads as detailed in the buggy specifications page. The braking system stops the buggy smoothly and within a short distance after the throttle control lever is released. All controls are conveniently mounted on the tiller and are simple to operate.

After reading through this entire manual and before using the buggy, do a check of all the parts to make sure that there is no visible damage. If you have any questions or concerns, contact Electric Vehicles Oceania. This buggy uses maintenance-free sealed lead acid batteries only.
CHAPTER 2 – SAFETY INSTRUCTIONS

Read this user manual completely before operating the buggy. Below are some precautions, tips, and other safety considerations that will help you operate the buggy safely. Please note and strictly adhere to the following section. It is also advisable to refresh your memory by re-reading this manual periodically.

- Get acquainted with the buggy and its operational features before driving it. Drive slowly until you get used to the buggy, and to understand its various functions, safety features, braking capabilities and limitations.
- Watch carefully for other golfers and drive your buggy accordingly. In crowded areas, always drive slowly. Drive only where permitted according to all applicable local laws.
- Never remove any of the buggy safety parts such as safety wheels or warning labels.
- When making adjustments, always take care that your hands and fingers are not trapped between any of the moving parts.
- The buggy is designed to carry ONE person only. Never operate it with an additional person on board.
- Never inflate the buggy tyres more than the manufacturer’s recommended pressure shown on the specifications page.
- If for any reason the buggy does not stop when you release the throttle control lever, then turn the main key switch to OFF, and contact Active Scooters.
- Do not use the buggy in heavy rain or extreme humidity, or at temperatures below -30°C or above 45°C.
- Be careful when lifting the seat and the batteries. Always lift using your knees and legs, not your back.
- Only use lead acid maintenance-free sealed batteries.
- If the buggy is involved in any kind of an accident in which parts are damaged, we recommend you get a qualified technician to examine it.
- Special care must be taken to prevent children from operating the buggy. Do not allow unsupervised children to play on or near the buggy.
- Always drive carefully. Adjust your speed according to conditions. When turning at high speed, the buggy can become unstable. Before making sharp turns, reduce speed.
- Your seat is fire resistant. Do not cover it or replace with any upholstery other than upholstery of the same kind.
- When removing the cover, watch out for hot wires. The motor, axle, brake, electronic cards and electronic controller might be hot.
- Do not use a mobile phone, walkie-talkie, laptop, or other radio transmitter while operating the buggy.
• Keep tools and other metal objects away from the battery terminals. Contact with tools can cause electrical shock.
• The battery charger is for indoor use only.
• At the rear of the buggy is the manual release lever of the BRAKE. When using this lever, be careful not to touch the internal surface of the motor, as it could be very hot and may cause injury.
• Under no circumstances should you modify, add, remove, or disable any feature, part, or function of your buggy.
• Do not attempt to lift or move your buggy by any of its removable parts.
• Your buggy is equipped with pneumatic tyres. Check the tyre pressure regularly. Proper inflation pressures will prolong the life of your tyres and help ensure the smooth operation of your buggy. Do not under-inflate or over-inflate your tyres. Under-inflation may result in loss of control, and over-inflation may burst the tire. Failure to maintain the indicated pressure rating at all times may result in tyre and/or wheel failure.
• Your buggy is rated for a maximum weight capacity. Refer to specification sheet for details. Stay within the specified weight capacity for your buggy. Exceeding the weight capacity voids your warranty. Active Scooters will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.

CHAPTER 3 - GENERAL CARE AND INSPECTION

• After every use clean any mud or debris from under the body either with a hand brush or a light air hose.
• Use a mild detergent and warm water for the exterior.
• DO NOT use a high-pressure wash.
• Check all bolt and nut connections are tight before use, especially the wheel nuts.
• Check tyre pressure and maintain the recommended pressure at all times.
• Recharge batteries after every use and check the battery indicator is full before use.
• DO NOT allow the battery charger to get wet.
CHAPTER 4 – PARTS LIST

1) Control panel
2) Golf bag holder
3) Handlebar release pin
4) Body
5) Front suspension
6) Front bumper
7) Foot brake pedal
8) Horn button
9) Battery power indicator
10) Direction switch
11) Accelerator throttle
12) Ignition
13) Seat suspension
14) Rear carry bracket
15) Electromagnetic brake handle (Free wheel lever)
16) Rear tyre
17) Padded seat
18) Seat body assembly
19) Footplate
20) Front tyre
21) Bonnet release catch
22) Micro switch
23) High/low speed switch
24) Slide cap battery charger point
CHAPTER 5 - OPERATION

3.1 Operation
· Please remove the charger from the buggy before turning the ignition key on.
· Turn ignition key on.
· Ensure charge indicator is sufficient.
· Press FWD to move forward.
· Press REV to move in reverse.
· Turn throttle clockwise to increase speed.
· Release throttle to slow down or stop.
· Brake pedal is for emergency stop only.
· When the throttle is released the back wheel is locked automatically for parking on inclines or declines.

Motor brake handle
· The electromagnetic brake lever (free wheel lever) can be found under the body attached to the motor.
· Make sure the electromagnetic brake lever is in the vertical position to engage the motor.
· Dis-engage the electromagnetic brake lever to free wheel the vehicle.

Battery charging Point
· The battery charger socket is located under the seat.
· Ensure the cover is replaced after charging.

Power display
· Running time will change according to ground conditions and terrain.
· FULL CHARGE: LED light/bar is at the top
· MINIMAL CHARGE: LED light/bar is at the bottom

Seat
· The seat height can be adjusted to 3 positions using the bolts at the top end of the suspension spring.
· The seat can have a quick-release system fitted to allow easier seat removal.
Golf bag holder
· The golf bag holder is attached and detached using the lower and upper Bakelite knobs at the front of the buggy.

Rear fold down carrier
· To open: Release the Bakelite bolt, fold down the rear bracket and tighten the Bakelite bolt.
· To close: Release the Bakelite bolt, push up the rear bracket and re-tighten the Bakelite bolt.

CHAPTER 6 - ACCESSORIES

- Mud guards - Front and rear
- Rear basket
- Fold up golf bag holder
- Umbrella holder
- Back seat rest
- Strobe lights
- Front and rear indicator
- Quick release seat system
- Rear golf bag holding bracket
- Front basket assembly
- Waterproof cover
- Scorecard holder
- Sun shade canopy
- Front head lights
- Ramps
## CHAPTER 7 - SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor</td>
<td>36V 1300 Watt permanent magnetism</td>
</tr>
<tr>
<td>Battery</td>
<td>12V 48AH x 3 / 12V 45AH x 3 / 12V 75AH x 3</td>
</tr>
<tr>
<td>Controller</td>
<td>Curtis controller 1227-3402 dc36v / 160A</td>
</tr>
<tr>
<td>Accelerate</td>
<td>Hall accelerator continuous variable speed system</td>
</tr>
<tr>
<td>Charger</td>
<td>Full automatic efficiency pulse charger 5 Amp or 8 Amp</td>
</tr>
<tr>
<td>Dimension</td>
<td>1.27 x 0.82 x 1.05m</td>
</tr>
<tr>
<td>Weight (without batteries)</td>
<td>105kg</td>
</tr>
<tr>
<td>Carrying capacity</td>
<td>200kg</td>
</tr>
<tr>
<td>Maximum speed</td>
<td>13-15km/h</td>
</tr>
<tr>
<td>Low speed</td>
<td>4-6km/h</td>
</tr>
<tr>
<td>Slope climbing capacity</td>
<td>17 degrees</td>
</tr>
<tr>
<td>Brake range</td>
<td>&lt; 4m 3 secs</td>
</tr>
<tr>
<td>Turning radius</td>
<td>&lt; 3m</td>
</tr>
<tr>
<td>Brake method</td>
<td>Electromagnetic &amp; mechanical brake</td>
</tr>
<tr>
<td>Wheel base</td>
<td>90cm</td>
</tr>
<tr>
<td>Minimal ground clearance</td>
<td>11cm</td>
</tr>
<tr>
<td>Tyre</td>
<td>32.5cm x 15cm 4 Wheels</td>
</tr>
<tr>
<td>Tyre pressure</td>
<td>Front 18 psi and Rear 20 psi</td>
</tr>
</tbody>
</table>
## Parts

<table>
<thead>
<tr>
<th>Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Golf buggy</strong></td>
</tr>
<tr>
<td>After use clean any mud or debris from under the body either with a hand brush or a light air hose. Only use a mild detergent with warm water for the exterior. DO NOT use a high-pressure jet wash.</td>
</tr>
<tr>
<td><strong>Steering system</strong></td>
</tr>
<tr>
<td>Ensure all parts are functioning properly.</td>
</tr>
<tr>
<td><strong>Accelerator throttle handle</strong></td>
</tr>
<tr>
<td>Ensure the buggy moves when the throttle is turned anti-clockwise and it stops when the throttle is released.</td>
</tr>
<tr>
<td><strong>Battery power indicator</strong></td>
</tr>
<tr>
<td>Ensure the power has enough charge remaining before use.</td>
</tr>
<tr>
<td><strong>Seat</strong></td>
</tr>
<tr>
<td>Ensure the seat is securely bolted to the chassis.</td>
</tr>
<tr>
<td><strong>Brake pedal</strong></td>
</tr>
<tr>
<td>Ensure the brake pedal works freely.</td>
</tr>
<tr>
<td><strong>Tyres</strong></td>
</tr>
<tr>
<td>Ensure the tyres are in good condition and that they are at the recommended air pressure at all times.</td>
</tr>
<tr>
<td><strong>Wheels</strong></td>
</tr>
<tr>
<td>Check all nuts and bolts and ensure the wheel nuts are tight and secure.</td>
</tr>
<tr>
<td><strong>Batteries</strong></td>
</tr>
<tr>
<td>Recharge batteries after every use and check the battery indicator is full before use.</td>
</tr>
<tr>
<td><strong>Battery charger</strong></td>
</tr>
<tr>
<td>DO NOT allow the battery charger to get wet.</td>
</tr>
</tbody>
</table>
CHAPTER 9 - TROUBLE SHOOTING

The buggy won’t start
- Check the key is in the on position.
- Check the battery power indicator.
- Check the batteries are connected properly.
- Ensure the buggy is NOT in free wheel mode.
- Ensure the footbrake is NOT engaged.

Battery indicator will not reset after 8 hours charge
- Press the “Reset indicator button” This is situated under the body on the white controller cover

Other
- Check charger is working
- Contact your supplier

CHAPTER 10 – BATTERIES & CHARGING INSTRUCTIONS

If you attempt to change the batteries yourself, be sure to comply with all battery handling information.

- Battery posts, terminals, and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries, and wash hands after handling.
- Buggy batteries are heavy. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity.
- Always protect the batteries from freezing and never charge a frozen battery.
- Replace damaged cables immediately.
- Protective caps must be installed over all battery terminals.
- If the battery is damaged or cracked, immediately enclose it in a plastic bag and contact your local waste disposal agency or authorised buggy dealer for instructions for disposal or for recycling.
- To ensure the best performance and maximum battery life, we recommend frequent battery charging. Your buggy comes with an external battery charger for your ease and convenience. The battery meter makes charging simple and easy.
The battery meter displays several horizontal bars. When the light at the top is shown, this indicates you have 100% charge. As you travel the bar will move towards the bottom of the display. It is advised to never completely discharge the batteries as this may be harmful to the batteries. It is suggested to recharge your buggy after each use. This may take up to 12 hours depending on the type of batteries.

Follow these steps for battery charging.

1. Turn off the buggy.
2. Plug the charger into the buggy’s charging point.
3. Plug the other end of the charger cord into a wall power outlet.
4. Turn the wall socket on, and the charger on.

The charger will show an orange light whilst charging and a green light when the batteries are charged. There is no possible way to overcharge the battery as the battery charger supplied will automatically switch to a sleeping mode. A cooling fan will turn on and off whilst charging depending on the state of the battery.

The length of time to charge your batteries depends on the size of the battery and how discharged they are. Charging the battery can take between 1-12 hours depending on the usage.

To turn the charger off, turn the wall socket off and the charger off. Then remove the charger from the charging point.

Charge your batteries for at least 8 to 12 hours prior to using your buggy for the first time. It is recommended that your batteries be charged every 2 weeks at a minimum even if you are not using your buggy.

Batteries last for an average of 2 years. You will know when it’s time for new batteries when the battery indicator goes down quickly when travelling your regular distance. Contact Active Scooters, or a battery dealership for new batteries.

Always store your buggy in a dry area protected from rain and sun to avoid damage and premature wear of the batteries. Always store with batteries fully charged. When storing for more than four weeks, charge the batteries and disconnect them. During the storage, check the charge once a month and recharge the batteries as needed. You must complete a full charge cycle every month or damage to batteries can occur.
WARRANTY

The buggy must be operated according to the instructions described in this manual. Active Scooters guarantees any quality issues concerning its manufacturing or materials within the warranty period. Naturally this warranty does not cover misuse or normal wear and tear, and is limited if the customer has not had the product serviced by Active Scooters.

All parts claimed under the 12 month warranty period must be returned to Active Scooters in their present condition. Only Active Scooters can undertake warranty work. This warranty covers all parts and labour. A call-out fee may be charged if you live outside the regular servicing area.

TWO-YEAR LIMITED WARRANTY

- Transaxle
- Motor
- Frame

ONE-YEAR LIMITED WARRANTY

- Bearings
- Rubber Components
- Electronic Controllers
- Charger
- Other electrical components
- Batteries

WARRANTY EXCLUSIONS

The warranty does not cover the following....

1. Normal wear and tear items such as
   a. Plastic shrouds
   b. Motor brushes
   c. Upholstery and seating
   d. Tyres and tubes
   e. Fuses/Bulbs
2. The buggy was not operated in accordance with these manuals guidelines.
3. The buggy was worked on or repaired by an unauthorised dealer.
4. Improper operation and storage.
5. The warranty has expired.
6. Incidents caused by uncontrollable factors such as flood & fire.

Note: Warranties are not transferable.