



*Slight variations may exist between models.*

# Electric Drift Trike

## User Manual

[Revision 2.0 November 2018]

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READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

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# Safety

- **WARNING!** Riding an electric drift trike can be a hazardous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other electric products, the bike can and is intended to move, and it is therefore possible to lose control, fall-off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur, you can be seriously injured or die, even when using safety equipment and other precautions. **RIDE AT YOUR OWN RISK AND USE COMMON SENSE.**

- **APPROPRIATE RIDER USE AND PARENTAL SUPERVISION**

- The recommended rider age of 8 years is only an estimate, and can be affected by the rider's size, weight or skills. Any rider unable to fit comfortably on the bike should not attempt to ride it. A parent's decision to allow his or her child to ride this product should be based on the child's maturity. Skill and ability to follow rules.
- DO NOT EXCEED THE WEIGHT LIMIT OF 50KGS.

Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of the product. Do not touch the brakes or electric motor on your electric drift trike when in use and/or immediately after riding as they can become very hot.

- **ACCEPTABLE RIDING PRACTICES AND CONDITIONS**

- Always check and obey any local laws or regulations which may affect the locations where the product may be used. Ride defensively. Watch out for potential obstacles that could catch your wheel or force you to swerve suddenly or lose control. Be careful to avoid pedestrians, skaters, skateboards, scooters, bikers, children or animals who may enter your path and respect the rights and property of others.
- The product is meant to be used on private property and on closed courses and not on public streets or sidewalks. Do not ride your electric drift trike in any areas where pedestrian or vehicle traffic is present.
- Do not activate the speed control on the hand grip unless you are on the electric drift trike and in a closed, outdoor environment suitable for riding.
- This product was manufactured for performance and durability but are not impervious to damage. Jumping or other aggressive riding can over-stress and damage any product, including the electric drift trike, and the rider assumes all risks associated with high-stress activity.
- Be careful and know your limitations. Risk of injury increases as the degree of riding difficulty increases. The rider assumes all risk associated with aggressive riding activity.
- Maintain a hold on the handlebars at all times.
- Never carry passengers or allow more than one person at a time to ride the electric drift trike.
- Never use near steps or swimming pools.
- Keep your fingers and other body parts away from the drive chain, steering system, wheels and all other moving components.
- Never use headphones or a cell phone when riding.
- Never hitch a ride with another product.
- Do not ride the product in wet or icy weather and never immerse the electric drift trike in water, as the electrical and drive components could be damaged by water or create other possible unsafe conditions.
- Wet, sticky, bumpy, uneven or rough surfaces may increase risks of use. Do not ride the electric drift trike in mud, ice, puddles of water. Avoid excessive speeds that can be associated with downhill rides. Never risk damaging surfaces such as carpets or floorings by use of an electric drift trike indoors.



- Do not ride at night or when visibility is limited.
- **PROPER RIDING ATTIRE**
  - Always wear proper protective equipment, such as an approved safety helmet (with chin strap securely buckled), elbow pads, and knee pads. A helmet may be legally required by local law or regulation in your area. A long-sleeved shirt, long pants and gloves are recommended. Always wear athletic shoes (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoelaces tied and out of the way of the wheels, motor and drive system.
- **USING THE CHARGER**
  - The charger supplied with the electric drift bike should be regularly examined for damages to the cord, plug, enclosure and other parts, and in the event of such damage, the drift trike must not be charged until the charger has been repaired or replaced.
  - Use only with the recommended charger.
  - Use caution when charging.
  - The charger is not a toy! Charger should be operated only by an adult.
  - Do not operate the charger near flammable materials.
  - Always disconnect from the charger prior to wiping down and cleaning your bike with liquid.

**FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.**

## Included Items



**NOTE:** Some parts may come pre-assembled, such as the suspension units and fasteners already attached to the frame. The image above is for reference only.

- Frame and rear wheel and swing-arm assembly [suspension units may be attached also].
- Suspension unit (2).
- Front fork, front wheel and motor assembly.
- Seat.
- Suspension Pivot Pin [long] (4).
- Seat Pin [short] (4).
- Screw (8).
- Steering Bolt.
- Battery Charger.
- Tools – spanners (2), Allen keys (3), screw driver, tyre valve adaptor.
- Accessory flag.



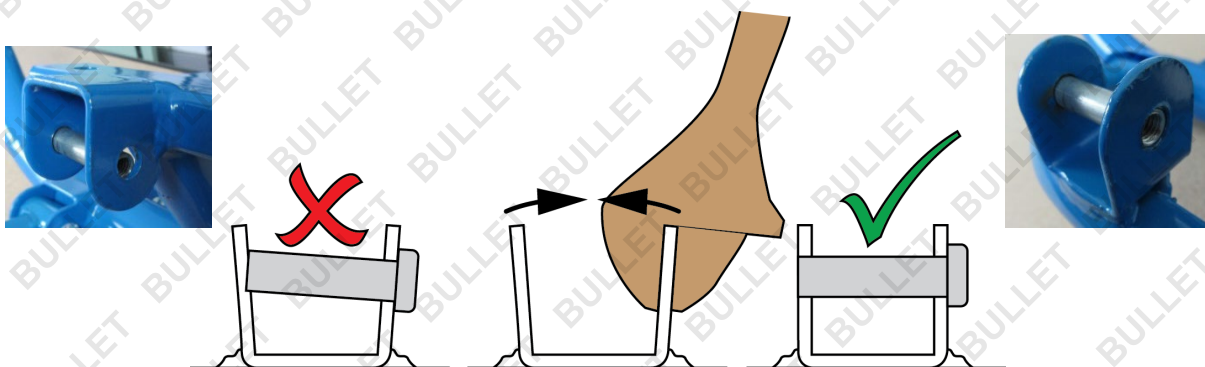
# Assembly

The trike comes with some minor assembly required, and includes the necessary tools.

## Suspension



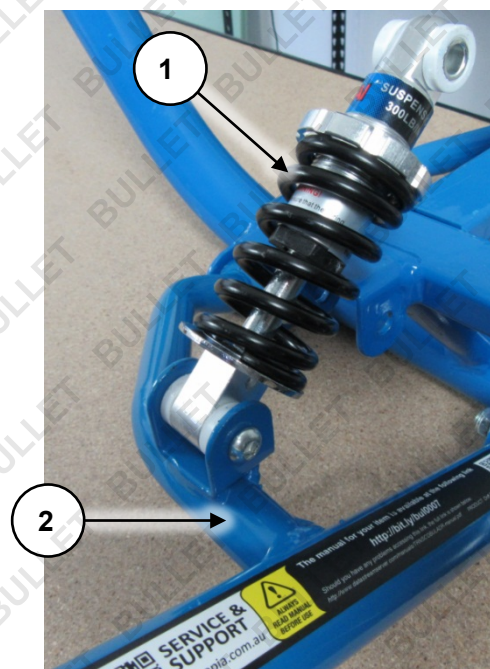
Occasionally, the welding process during manufacturing may cause the suspension mounting tabs to widen a little. If this happens, the pivot pin may not fit properly. Check each suspension mounting using a pivot pin and ensure that the pin locates correctly through both mounting tabs. If the mounting tabs need to be straightened, use a wrench or similar tool to bend the mounting tab – do not use excessive force or strike the mounting tab, but apply bending force in a slow and controlled manner until the mounting tab is straight and the pivot pin locates correctly. Use the following illustrations as a guide:



1. Attach the suspension units (1) to the rear wheel swing-arms (2) using a suspension pivot pin (3) and screw (4) and tighten using 2 Allen keys. Do not over-tighten.

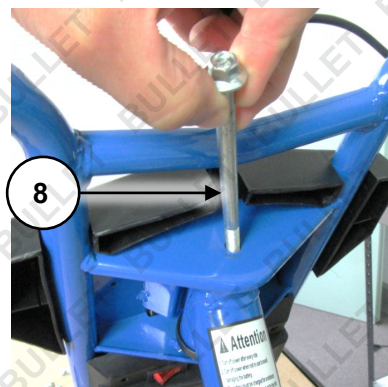
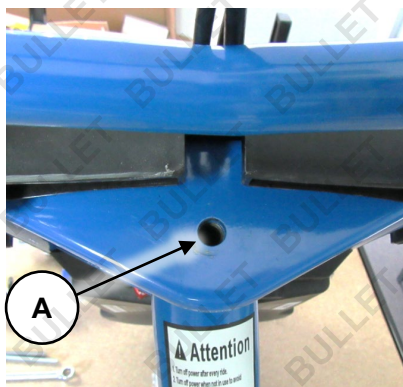
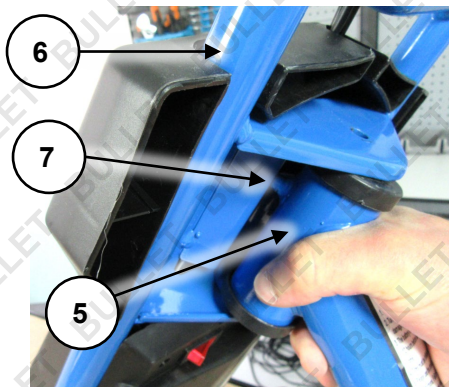


2. Attach the free ends of the suspension units to the frame using two suspension pivot pins and screws.



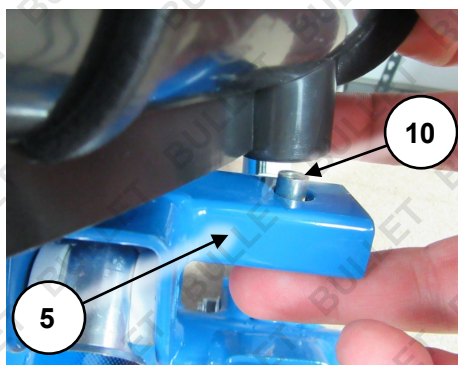
## Frame, Front Fork and Motor

1. Grasp the end of the frame (5) and bring it up to the front fork/motor assembly (6). Ensure that the pin (7) on the front of the frame enters the slot in the front fork/motor assembly and that the steering bolt holes in frame and fork are aligned (A).
2. Insert the steering bolt (8) through the holes and rotate it to the right (clockwise) by hand until you feel the threads engage, then firmly secure it using the spanner.



## Seat

1. Align the four holes in the seat (9) with the four holes in the frame (5), then insert a seat pin (10) through each hole from the underside of the frame. Secure each pin with a screw (4) and tighten using 2 Allen keys. Do not over-tighten.

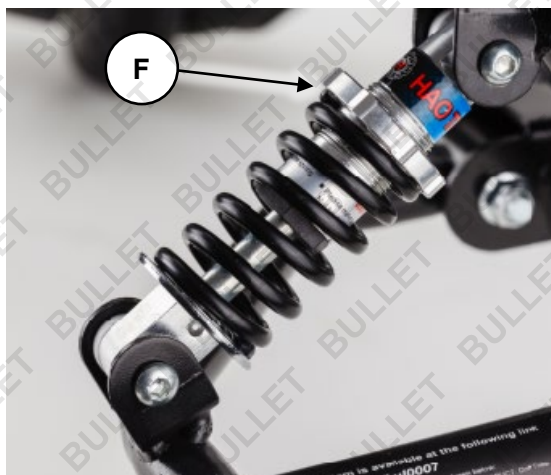
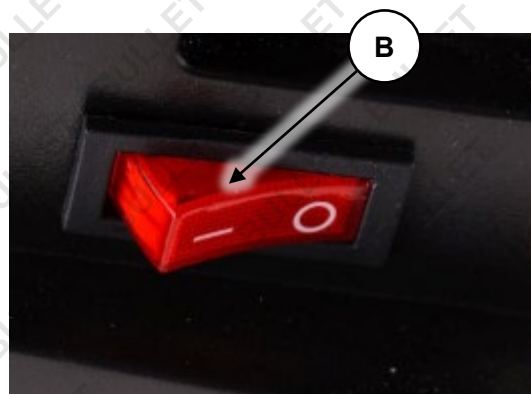


# Operation

**NOTE:** [Charge the battery prior to use.](#) • Make sure that the power is turned OFF when the trike is not in use, otherwise, the battery may reach a stage at which it will no longer hold a charge. • Always wear appropriate safety equipment and always keep both hands on the handlebars and both feet on the foot pegs whilst riding.

## Usage

- To start the trike, turn the power switch (B) ON. Place both hands on the handlebars and press the green throttle button.
- To select slow speed, push the red throttle button (D) so it is in the “in” position. To select high speed, push the red throttle button so it is in the “out” position.
- To stop the trike, release the push button throttle and pull the brake lever (E) toward the handle until the trike comes to a complete stop.
- To soften or harden the suspension, rotate the knurled nut (F) on the suspension units as required.





# Maintenance

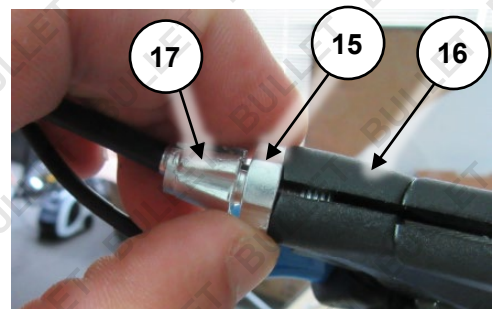


Ensure that the power switch is placed in the OFF position before performing any maintenance activities. • Some maintenance activities described may be beyond the scope of some users. For procedures that you are not comfortable with or have the tools or experience for, have the unit serviced by a service center or qualified technician.

## Brake Adjustment

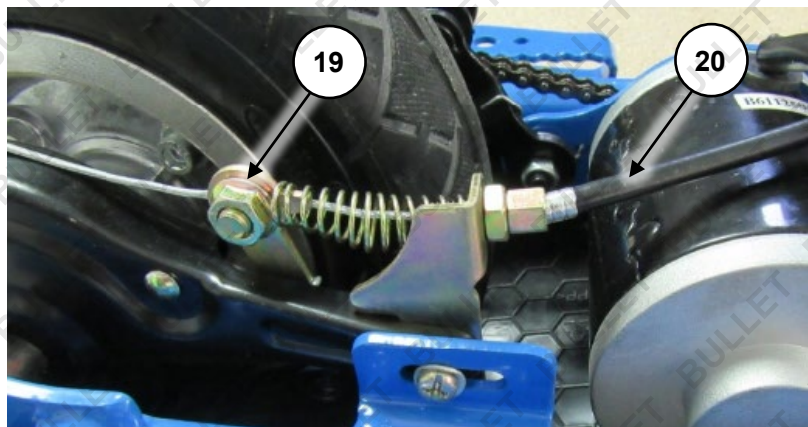
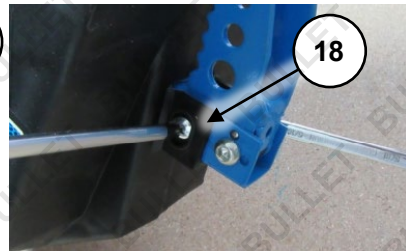
The brake lever is fitted with a cable adjuster to compensate for cable stretch and/or adjust how much lever travel is required to activate the brake. A looser cable requires more lever travel to activate the brake, a tighter cable requires less lever travel to activate the brake. Do not over-tighten the brake cable as this will affect the performance or prevent the motor from running. To adjust the brake:

1. Rotate the knurled lock nut (15) on the brake lever (16) to the left (anti-clockwise) to loosen it, then rotate the cable screw (17) left (to tighten the cable) or right (to loosen the cable) as required.
2. When adjustment is complete, tighten the knurled lock nut (rotate right).



If the cable cannot be adequately adjusted at the brake lever, further adjustment can be made on the brake end of the cable.

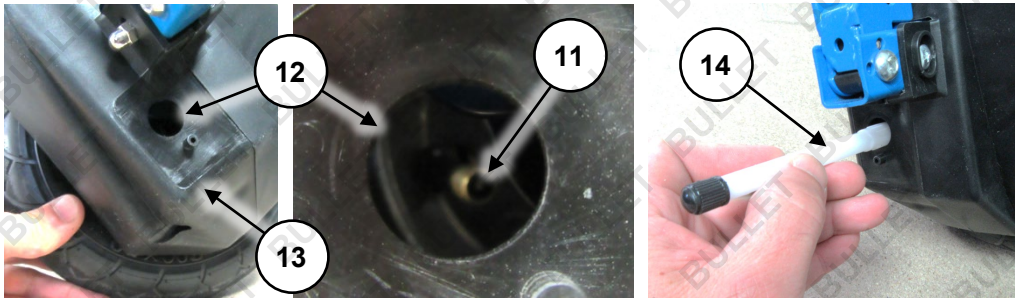
1. Remove the 8 screws (18) securing the motor/chain cover (13).
2. Loosen the brake cable nut (19) and position the brake cable (20) as required.
3. When adjustment is complete, securely tighten the brake cable nut and re-install the motor/chain cover. Test the brake operation at the lever and adjust if necessary.



## Tyre Inflation

The front tyre comes already inflated, however, check the pressure before use and ensure it is approximately 35 PSI. The pressure should be checked regularly as an under-inflated tyre will affect scooter performance. In order to check/inflate the tyre:

1. Rotate the tyre until you can see the tyre valve (11) through the access window (12) on the motor/chain cover (13).
2. Screw the tyre valve adapter (14) on to the tyre valve, then check the pressure with a tyre pressure gauge and adjust as necessary with a pump [attach these to the end of the adapter].



## Chain Care

The chain may require lubrication from time to time, depending on frequency of use and conditions. If the chain is noisy or running roughly, lubricate it by spraying a small amount of chain lubricant through the access window on the motor chain cover (12 in figure above). Do not allow the lubricant to get on to the tyre.

The chain has a spring-loaded tensioner that requires no maintenance. If the chain or drive sprockets requires any maintenance further than lubrication, contact an authorized service center.

## Battery Care and Charging

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### WARNING!

#### PREVENT FIRE

- Never modify the electrical system. Alterations could cause a fire resulting in serious injury and could also ruin the electrical system.
- Use of the wrong charger could cause a fire or explosion resulting in serious injury.
- Battery charging must be performed by adults only. Never allow children to charge the battery.
- Never lift or carry the battery by wires or connectors. This can damage the battery and possibly cause a fire. Lift and carry the battery by the case only.
- Read the safety Instructions on the battery.
- Only use the battery charger in dry locations.

#### IMPORTANT NOTES

- The battery must be charged for at least 12 hours before using it for the first time.
  - You do not need to remove the battery from the vehicle to recharge it.
  - Do not short-circuit the battery or battery supply terminals.
  - If a sulphuric acid (electrolyte) leak from the battery is detected, do not charge the battery or use it. Battery acid is highly corrosive and can cause severe injury to persons and damage to surfaces it contacts.
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## Battery Charging

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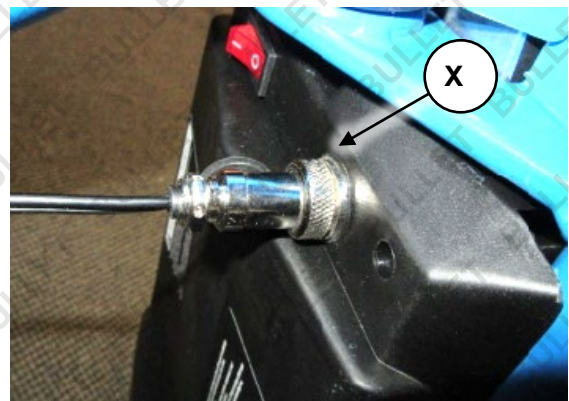
### CAUTION!

- Never recharge non-rechargeable batteries.
  - Do not charge the battery for more than 24 hours continuously.
  - Ensure the charger connector matches the vehicle battery charger port connector.
  - Ensure the voltage and frequency of the charger is compatible with mains electrical supply.
  - Do not short-circuit the battery or battery supply terminals.
  - Charge with the supplied or recommended charger only.
- 

**NOTE:** The first battery charge requires approximately 12 hours. Subsequent charges require 5 to 7 hours. • Expected battery life is approximately 250 charge-discharge cycles.

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1. Insert the battery charger connector into the charger port (X).
2. Plug the charger into a standard 240VAC wall socket and switch it ON. The charger may feel warm during charging. This is normal and not a cause for concern.
3. After charging is complete, unplug the charger from the wall outlet and unplug the battery connector from the charger port.







## Battery Care

- If a battery leak develops, avoid contact with the leaking acid and place the damaged battery in a suitable container for disposal.
- If battery acid comes in contact with skin or eyes, call a physician immediately and flush with cool water for at least 15 minutes.
- If battery acid is ingested, call a physician immediately and give water or milk immediately. Do not induce vomiting.
- Charge a new battery for at least 12 hours before first use.
- Never charge the battery longer than 24 hours continuously.
- Over-charging or under-charging the battery may shorten battery life and decrease vehicle run time.
- After the first charge, recharge the battery for at least 5 to 7 hours after each use. Charge the battery after each use, regardless of how long the vehicle was used. When the vehicle is not being used, charge the battery monthly.
- Do not allow the battery to discharge completely before charging.
- Charge the battery before storing the vehicle and charge.
- Leaving the battery in a discharged condition will destroy it.
- If the vehicle will be stored for more than 2 months, be sure to disconnect the motor harness from the battery.
- Do not store the battery in temperatures above 60°C (104°F) or below -23°C (-10°F).
- Always secure the battery in the battery compartment using the battery cover and four locating screws. Adequately tighten all screws.
- Examine the charger and its connector for excessive wear or damage each time you charge the battery. If damage is detected, do not use the charger until you have replaced the worn or damaged parts.
- Always remove an unserviceable battery from the vehicle.
- Battery leakage can damage the vehicle.

## Battery Disposal

- The battery is a sealed lead-acid type. It must be recycled or disposed of it in an environmentally responsible manner.
- Never dispose of a battery as normal rubbish. The mixing of lead-acid batteries with household rubbish is prohibited in most areas.
- Never burn or dispose of batteries in a fire.



# Troubleshooting

| Malfunction  | Possible Cause  | Possible Solution  |
|--|---|--|
| <i>Trike not running or trike was running but suddenly stopped</i> | <ol style="list-style-type: none"> <li>Under-charged battery.</li> <li>Electrical connections not secure.</li> <li>Dead battery.</li> <li>Battery charger not working.</li> <li>Motor electrics or switches damaged.</li> </ol> | <ol style="list-style-type: none"> <li>Charge battery and ensure battery charging and care procedures are followed.</li> <li>Check all wires and connections. Ensure vehicle and battery electrical harness is fully connected. Ensure no motor wires are loose or disconnected.</li> <li>Vehicle battery no longer holding charge or serviceable. Have battery checked by authorized service center or replace.</li> <li>Have charger professionally checked. If not working – replace.</li> <li>Seek diagnosis and repair from authorized service center.</li> </ol> |
| <i>Short run time (less than 15 minutes per charge).</i>           | <ol style="list-style-type: none"> <li>Under-charged battery.</li> <li>Brake is not adjusted properly and is dragging.</li> </ol>   | <ol style="list-style-type: none"> <li>Charge battery and ensure battery charging and care procedures are followed.</li> <li>Adjust brake. Ensure that the brake is not being activated without the lever being pulled.</li> </ol>   |
| <i>Trike runs sluggishly.</i>                                      | <ol style="list-style-type: none"> <li>Unsuitable riding conditions.</li> </ol>   | <ol style="list-style-type: none"> <li>Use the trike only on solid, level, clean and dry surfaces such as concrete.</li> <li>Adjust tyre pressure to 35PSI.</li> <li>Vehicle being overloaded or driven on unsuitable surfaces. Unload vehicle (50kg max.) and/or move to suitable surface.</li> </ol>   |
| <i>Trike turns on and off intermittently.</i>                      | <ol style="list-style-type: none"> <li>Electrical connections not secure.</li> <li>Main body electrics or switches damaged.</li> </ol>  | <ol style="list-style-type: none"> <li>Check all wires and connections. Ensure vehicle and battery electrical harness is fully connected. Ensure no motor wires are loose or disconnected.</li> <li>Seek diagnosis and repair from authorized service center.</li> </ol>   |
| <i>Trike makes loud or grinding noises.</i>                        | <ol style="list-style-type: none"> <li>Chain dry.</li> </ol>  | <ol style="list-style-type: none"> <li>Lubricate the chain.</li> </ol>   |

## Specifications

|                         |  |
|-------------------------|--|
| <b>Battery Type</b>     | 12V 8Ah (12V8AH/20HR)  |
| <b>Charging Time</b>    | 5 to 7 hours. Initial charging time: 12 hours                                      |
| <b>Maximum Speed</b>    | 10kmh (depending on load and riding surface)                                       |
| <b>Maximum Run Time</b> | Approximately 40 minutes per battery charge (depending on load and riding surface) |
| <b>Front Brake</b>      | Cable operated   |
| <b>Maximum Load</b>     | 50kg (rider weight)  |



**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death, consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.</li> <li>• Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).</li> <li>• Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.</li> <li>• Ensure all possible users of the product have completed an industry recognized training course before being given access to the product.</li> </ul> | <ul style="list-style-type: none"> <li>• The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third-party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.</li> <li>• This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example), there is always a small chance of technical issues that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.</li> <li>• If this item has been purchased in error after considering the points above, simply contact the retailer directly for details of their returns policy, if required.</li> </ul> |
|---|--|



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