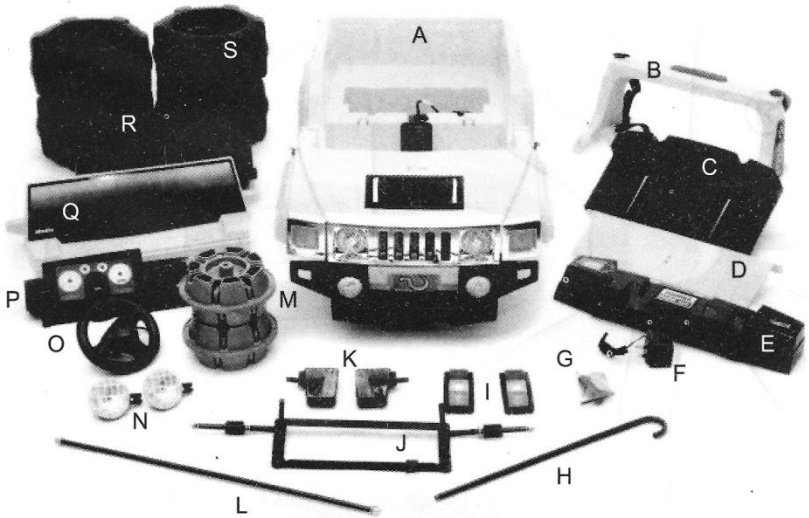


Rebo 12V Hummer Style Ride On Electric Jeep

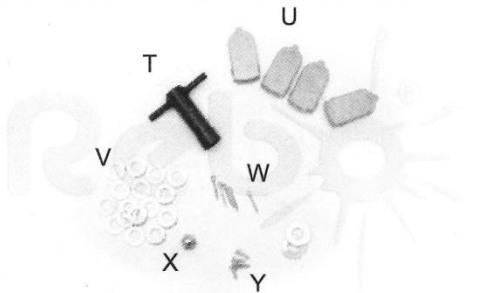


Instruction Manual

Box contents



- A Main jeep body
- B Rear roll frame
- C Lower seat panel
- D Rear seat panel
- E Rear bumper
- F Charger
- G Assembly Kit (see opposite)
- H Steering column
- I Rear indicators (x2)
- J Front axle assembly
- K Wing mirrors (x2)
- L Rear axle
- M Hub caps (x4)
- N Roll frame lights
- O Steering wheel
- P Dashboard panel
- Q Windscreen
- R Seats (x2)
- S Wheels (x4)



- T Spanner
- U Wheel hub end caps
- V Assorted washers
- W Split pins
- X Capped axle nut

Introduction

On receipt of this product we recommend that you do the following:

- Check for any damage that may have been caused during shipping
- Check all parts are present as listed on previous page

Any damage must be reported to us within 24 hours, any missing parts within 7 days.

- This manual, along with any other paperwork that may have accompanied this product, should be read completely before starting any assembly
- Please pay careful attention to the safety notes listed in the back of this manual
- Additionally we recommend that you read our warranty which covers this product and can be found on our website www.rebo.co.uk

If you have any questions, require advice regarding assembly or any other form of technical support, you can contact us on 09063 430035 during regular office hours.

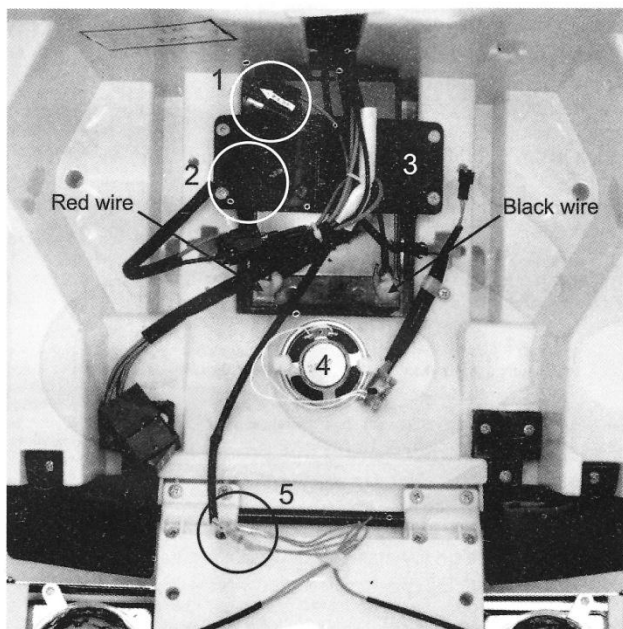
Points to remember before using this product:

- This ride on jeep is a toy, designed to only be used by children its maximum weight capacity is 40kg. **Do not overload this toy**
- Though this ride on toy maybe modelled after the famous Hummer 4-wheel drive jeep it is **not** 4-wheel drive. It should only be used on dry, flat, even surfaces. Tarmac drives, short cut lawns and patios are ideal surfaces. It is not designed to go over curbs or jumps
- The jeep should not be operated on uneven or muddy ground, or on inclines. Trying to operate the jeep on these surfaces will severely limit battery life and could cause permanent damage to the product
- These instructions should be followed completely and all stated checks performed before use. Any deviation from these instructions or inappropriate use of the product may cause damage to the product and possible injury to any children using it
- Failure to follow these instructions completely, before and during use, or inappropriate use of the product **will invalidate the warranty**
- Any alterations to the product, either structural, mechanical or electrical **will invalidate the warranty**

Getting started

Before beginning assembly we recommend that you familiarise yourself with the various electronic components by performing the following checks

Battery wiring:



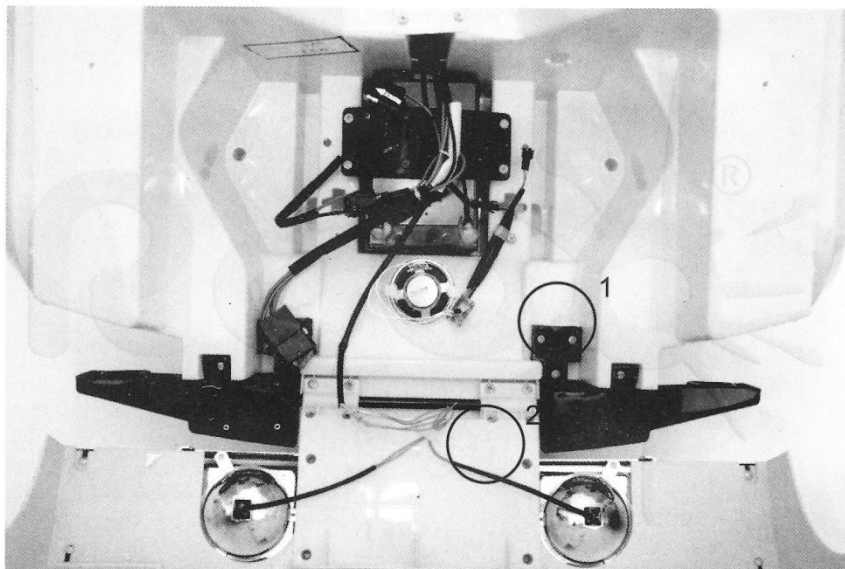
- 1 Input socket
- 2 Plug
- 3 Battery strap
- 4 Horn speaker (this facility is not fitted on all models)
- 5 Headlight connectors

Play special attention to the following:

- Battery strap (3) is fitted securely and undamaged
- Plug (2) is disconnected from input socket (1)
- The correct wires are connected to the battery terminals as illustrated

Getting started

Printed circuit board

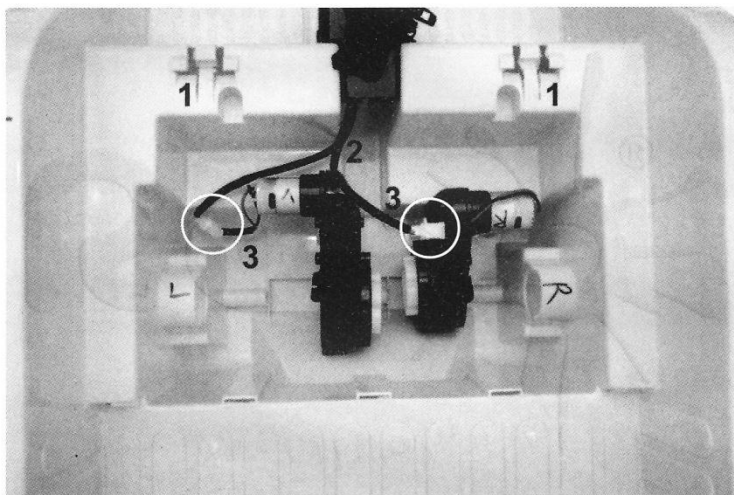


- 1 Cable clip
- 2 Printed circuit board

During the course of normal operation the Printed circuit board (2) may become hot; therefore it must be suspended from the cable clip (1) in order to prevent it from touching the body of the jeep or any other component

Getting started

The motors:



- 1 Seat locators
- 2 Motor main power cables
- 3 White push connectors

Points to remember:

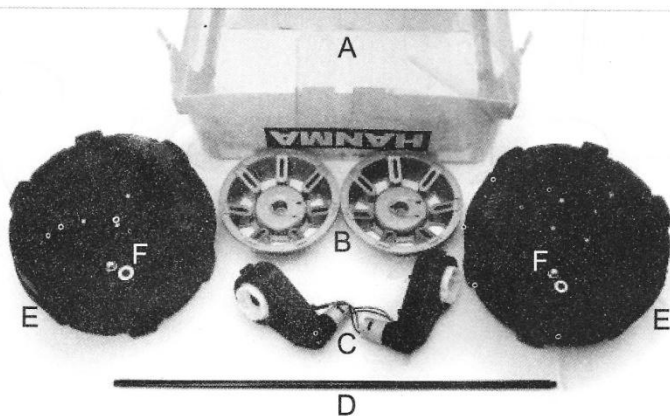
For the purpose of transportation and to help with assembly, the motors will already be connected; however you will need to disconnect the motors so that they can be put into position later. To avoid confusion when reattaching the motors we suggest that you mark one motor and the cable it is connected to with either masking/insulation tape or string

- Disconnect each motor from its main power cable and put to one side (after marking one motor and its corresponding cable)
- Flip jeep body over so that it is upside down, being careful with the jeep bonnet ensuring that it stays clipped shut to avoid damaging it

Step 1 – Rear axle

Before you start:

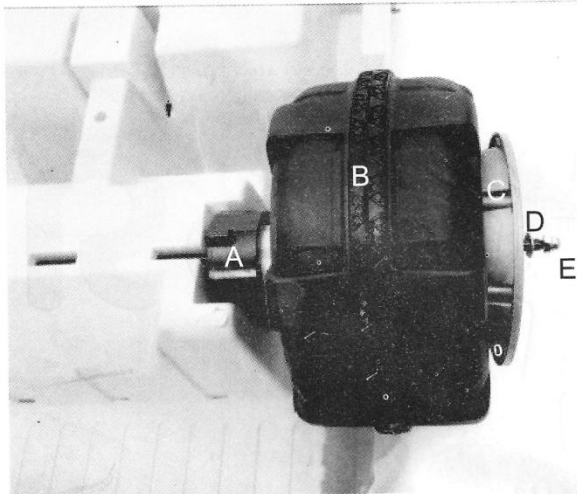
We recommend that you find a large clear area in which to work, it is not recommended that children are involved in the assembly and for health and safety reasons they should be kept away until all assembly is complete



Parts Required:

- A Main jeep body
 - B 2 Hubcaps
 - C 2 Motors
 - D Rear axle
 - E 2 Wheels (note that image shows the wheels with the inside facing up)
 - F 2 Rear axle capped nuts, 2 washers
- Spanner from assembly kit (not shown)

Step 1 – Rear axle



Fit parts in the following order:

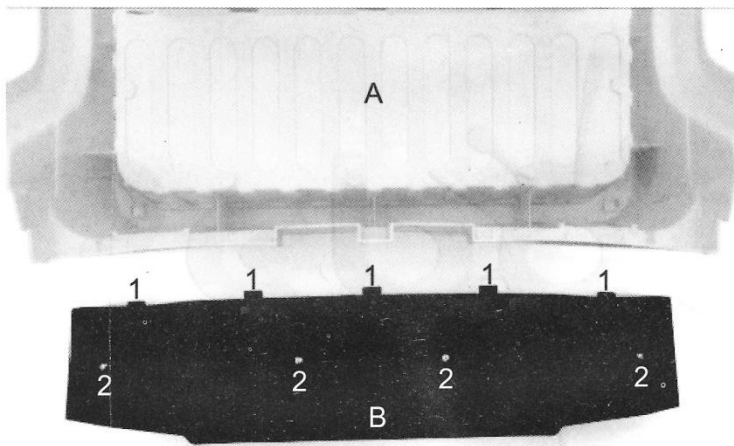
- A Motor (make sure you have the correct motor)
- B Wheel (lining cog of inside of wheel with cog of motor)
- C Hub cap
- D Washer
- E Capped axle nut

Assembly

- 1 Insert main axle through jeep body, it may be a tight fit but you will be able to work it through with patience. Do not be tempted to use a hammer, hitting the axle will damage the thread
- 2 Ensuring you have the correct motor (i.e. left motor for the left side of the body) push motor onto axle and feed motor cable through the hole in the body and slot the motor into place
- 3 Next thread the wheel, hubcap, washer and nut onto the axle as shown
- 4 Repeat steps 2 & 3 for other wheel

- 5 Using spanner provided tighten axle nuts, making sure not to over tighten the wheels. A second spanner to hold the other end of the axle while tightening the nut may help
- 6 Fit end caps into wheel hub to hide nuts

Step 2 – Rear bumper



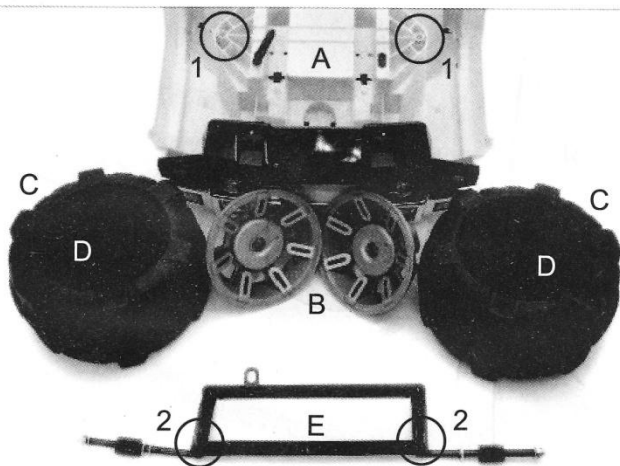
Parts required:

- A Main body
- B Rear bumper
- 4 screws (not shown)

Assembly

- 1 Line up plastic tabs (1) with corresponding holes in main body, and gently push into place
- 2 Push screws through holes in bumper (2) and into body
- 3 Tighten screws until bumper is secure

Step 3 – Front axle



Parts required:

- A Main body
- B 2 Hubcaps
- C 2 Wheels
- D 2 Capped axle nuts
- E Front axle
- 4 washers (not shown)

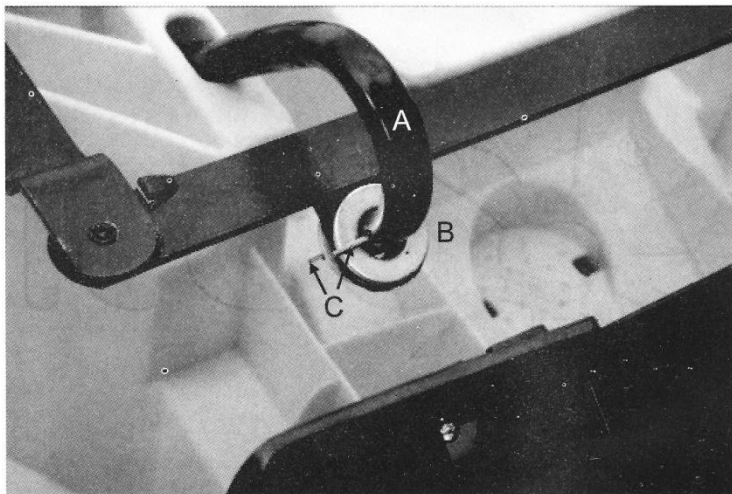
Assembly

- 1 Insert front axle pillars (2) into holes in jeep body (1)
- 2 Slot parts in place in the following order - washer, bush, wheel, hubcap, washer, capped nut
- 3 Repeat on other side
- 4 Tighten axle nut with spanner provided. As with rear axle you may find using a second spanner to hold the other end of the axle while tightening the nuts may help, ensure you do not over tighten the

nuts and that the wheels can turn freely. Fit end caps into wheel hub to hide nuts

You may need to use additional washers than those stated as spacers on the inside of wheels

Step 4 – Steering column



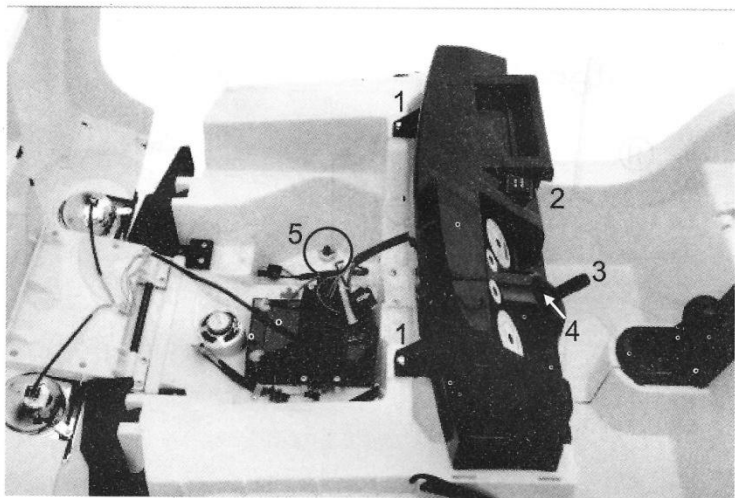
Parts required:

- A Steering column
- B 2 Washers
- C 2 Split pins

Assembly

- 1 Fit the steering column (A) through the hole in the front axle leaving just the hooked end showing. The jeep body may need to be held off the floor to allow room for it to be pushed far enough through
- 2 Push a split pin (C) through the second hole down from the tip of the hooked end and then slip on a washer (B)
- 3 Feed the tip of the hook through loop that extends from the protruding arm of the front axle
- 4 Use a second washer (B) and split pin (C) to hold hooked end in place
- 5 Flip jeep over onto its wheels

Step E – Dashboard



Parts required:

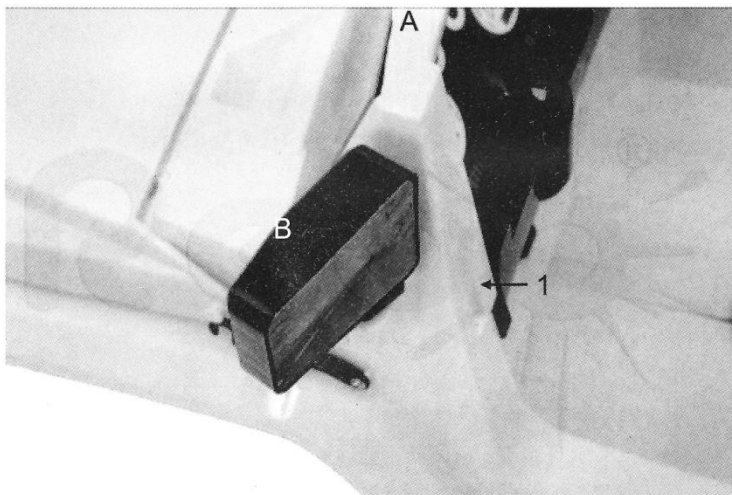
Dashboard
Steering wheel
2 each, screws, split pins, washers

Assembly

- 1 Remove the red switch (2) from the cable block
- 2 Fit the dashboard over the end of the steering column (3), lining up the holes at the rear (1) with those in the jeep body and fasten in place with screws
- 3 Push the red switch (2) through slot in dashboard it should click into position. Reconnect the switch to the cable block, ensuring that it is rejoined securely and the correct way up. (The switch is marked front and rear)

- 4 Fit the steering wheel onto the steering column and secure into place by tightening the security bolt
- 5 Push cable from the steering wheel through hole (4) in dashboard above steering column, this is the cable that operates the horn
- 6 Secure front axle in place by adding washers to the protruding pillars (5) and use split pins to hold in place

Step F – Windscreen



Parts required:

- A Windscreen
- B 2 Wing mirrors
- 4 Screws (not shown)

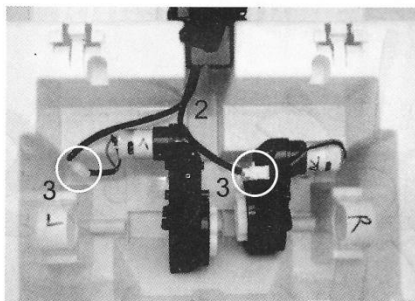
Assembly

- 1 Line up screw holes in windscreen (1) with those in jeep body
- 2 Push screws into place and tighten to secure windscreen (A)
- 3 Push wing mirrors (B) into holes in windscreen

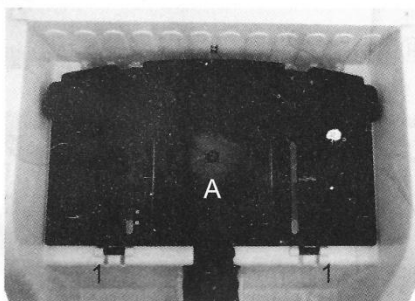
Step G – Seat

Before you can fit the seat and complete the final finishing touches you have to reconnect the motors to their power cables

A



B



Connecting motors (Image A)

- 1 Identify which power cable (2) goes to which motor (i.e. the marked cable to the marked motor as described in the getting started section)
- 2 Gently push the white push connectors (3) together until they snap into place, do not push too hard and damage the connectors

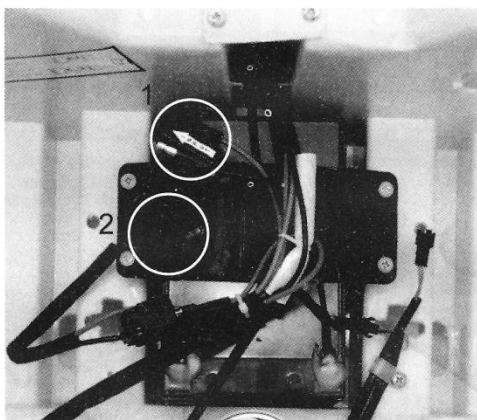
Fitting seat (Image B)

- 1 Push the protruding bars of the lower seat panel (A) into the Seat locators (1) they should lock into place. Once you have it in the correct position tighten the yellow thumbscrews.
- 2 Now the seat panel is in place over the motors the seats can be slotted into position

Finishing touches

- 1 Push the roll bar into holes in jeep body either side of the seats and secure in place using 4 of the screws provided
- 2 Push roll bar lights into holes in roll bar
- 3 Fit rear lights into holes above back bumper
- 4 Push chain into holes in roll bar and attach to holes in rear of jeep

Step H – Charging



- 1 Ensure that the charger is **not** connected to the mains before connecting it to the jeep
- 2 Connect the charger to the input socket (1)
- 3 Make sure that it is connected securely and that you have not confused the input socket (1) with plug (2). Never connect the charger to the plug (2)
- 4 Connect the charger to a 240 volt AC mains power supply
- 5 The jeep requires an **undisturbed** charge of **8-10 hours** before use. The jeep **must not** be used in any way until charge is complete as doing so will severely shorten the battery life
- 6 Once charging is complete switch off and disconnect the charger from the mains
- 7 Disconnect the charger from the input socket (1) and push the jeep plug (2) into input socket (1)

Time to go for a spin

- 1 The jeep is turned on by the red button on the dash

- 2 Use the lever to decide the direction, either forwards or backwards (the direction can only be changed while the jeep is stationary, always allow jeep to stop before changing direction)
- 3 Push the foot pedal to get jeep to move, release foot pedal to stop jeep
- 4 The jeeps speed is altered by the hand lever

Safety

- This manual should be read completely before you begin any assembly and kept for later reference
- We do not recommend that children are involved in assembly and they should be kept away until it is complete
- Once assembly is complete and before any use, we recommend a final check over of all components using this manual as reference to ensure that you have completed all parts of assembly correctly
- Additionally safety checks should be carried out before each use to ensure that the jeep has not sustained any damage that may effect its operation
- Children should **never** be allowed to conduct the charging process themselves it should always be done by an adult
- This product is not suitable for children under the age of **3 years** and any child operating it should have the operating instructions explained to them fully before use
- This product should only be operated by a child over the age of 3 years and under **competent adult supervision**
- It is illegal to operate this product on public streets, highways or motorways
- This product is only designed to be used on dry, flat level ground such as tarmac drives, dry short cut lawns or patios
- The jeep should not be operated on uneven or muddy ground, or on inclines. Trying to operate the jeep on these surfaces will severely limit battery life and could cause permanent damage to the product
- The maximum weight capacity of this product is **40kg** and should not be overloaded
- These instructions should be followed completely and all stated checks performed before use. Any deviation from these instructions or inappropriate use of the product may cause damage to the product and possible injury to any children using it
- Failure to follow these instructions completely, before and during use, or inappropriate use of the product **will invalidate the warranty**

Storage and Use

The gearbox and motors of this product are classed as consumable parts and as such will eventually wear out and need to be replaced. However they can be caused to fail prematurely if this product is used inappropriately such as the following:

- The jeep is used on surfaces it is not designed for, i.e. uneven or muddy ground, or on inclines. This product is also not design to operate on gravel or sand
- The jeep has been used in damp or wet conditions
- The jeep is overloaded exceeding its 40kg weight limit
- The jeep has been mistreated during use, i.e. driven over curbs, driven into stationary objects (walls, fences etc)
- The jeep has been forced into motion by pushing (the drive wheels should always be lifted from the ground when moving the jeep when it is not turned on and never forced to move)
- The direction of the jeep has been altered without allowing it to stop first
- A mistake has occurred during assembly, for example the wheels have been over tightened or the motors incorrectly fitted. If you have concerns about assemble please call our technical support team for advice on 09063 430035 before attempting to operate the jeep

It is important to store this product correctly:

- Product should be stored in a dry area free from damp
- The plug should be disconnected from the input socket while the jeep is not in use (see Step H – charging)
- The jeep should never be left on charge while unattended
- It is recommended that the jeep is covered when not in use to protect it from dust and damage that pets may cause
- After use the jeep should be cleaned before putting away with a damp cloth only

Trouble shooting

1 The jeep is switched on and the foot pedal is pressed but nothing happens

First check do headlights come on when foot peddle is pressed and then do as follows:

YES	NO
<p>The lights working means that the jeep has power but it's not getting to where it's needed. Turn off the red switch on dashboard and then check the connections to the motor cables, ensuring that they have not been damaged internally. Turn the jeep back on and try foot peddle again</p>	<p>The lights not working means the jeep isn't getting power for some reason Check red switch on dashboard is turned on Check the input socket has been securely connected to the jeep plug Do a thorough check of all the wiring and connections to ensure they are all securely connected and there are no damaged wires</p>
<p>If that hasn't worked the following should only be carried out by someone familiar with both the processes involved and using an electrical multimeter. If in doubt call our technical support line for assistance</p>	<p>If that hasn't worked the following should only be carried out by someone familiar with both the processes involved and using an electrical multimeter. If in doubt call our technical support line for assistance</p>
<p>Check all cables and wires from battery to motors and isolate any faults by process of elimination: - Thermal cut out should equal battery output, if reading is zero replace - Input socket should equal battery output, if zero replace - Red On/Off switch, if power isn't transferred past switch when it is turned to On position replace - Switches in base of gear level when foot peddle is pressed, if power isn't transferred past switches replace - White push connects connecting motors to main power, reading should equal battery output when foot peddle is pressed, if zero replace</p>	<p>Check the charger and battery if either one does not meet the following that part will require replacing: Output for 6 volt charger = 10+ volts, for 12 volt charger = between 12 to 18 volts Output for 6 volt battery = 6 volts, For 12 volt battery = 12 volts</p>
<p>Check the motors, if they do not work when you do the following they need to be replaced: Remove motors from jeep and connect directly to the battery using a fly lead</p>	<p>Check all cables and wires from battery to motors and isolate any faults by process of elimination: - Thermal cut out should equal battery output, if reading is zero replace - Input socket should equal battery output, if zero replace - Red On/Off switch, if power isn't transferred past switch when it is turned to On position replace - Switches in base of gear level when foot peddle is pressed, if power isn't transferred past switches replace - White push connects connecting motors to main power, reading should equal battery output when foot peddle is pressed, if zero replace</p>
	<p>Check the motors, if they do not work when you do the following they need to be replaced: Remove motors from jeep and connect directly to the battery using a fly lead</p>

2 The motors can be heard turning but there is no drive to the wheels or it's intermittent:

Remove the motor from the jeep. After checking externally for any damage, split the gearbox and check the following:

- That there is no damage to the gears, if so replace
- That the retaining screws are secure, if they have loosened retighten

It is advisable to replace the complete unit rather than individual parts, as the remaining undamaged parts may have been weakened by stresses put on them by the damage part when it failed

3 The horn doesn't work (not all models have this feature):

If the model you have has this feature ensure that it has been connected and that there is no damage to wiring

If that hasn't worked the following should only be carried out by someone familiar with both the processes involved and using an electrical multimeter. If in doubt call our technical support line for assistance

- Unplug the power supply cable from Printed circuit board and test power; the reading should equal battery output. Reconnect
- Unplug the horn cable from the Printed circuit board and buzz test by pressing switch while testing with electrical test meter, steering wheel will need replacing if no circuit
- If the horn still doesn't work replace Printed circuit board or speaker

Trouble shooting

The battery doesn't last very long after charging or jeep keeps cutting out but will start again if left for a short period of time
(The instructions for the initial battery charge must be followed according to those described in this manual failure to do so will cause permanent damage to the battery and severely shorten battery life)

If the charging instructions have been followed correctly this problem may require replacing one of the following:

- Charger
- Battery
- Motor(s)
- Thermal cut out

The following should only be carried out by someone familiar with both the processes involved and using an electrical multimeter. If in doubt call our technical support line for assistance

Check the charger and battery, if either one does not meet the following that part will require replacing:

Output for 6 volt charger = 10+ volts, for 12 volt charger = between 12 to 18 volts
Output for 6 volt battery = 6 volts, for 12 volt battery = 12 volts

Check the thermal cut out by removing cable from it and connecting the test meter in series between the cable and thermal cut out

Perform the test while running the jeep when loaded, the reading should be between 2 and 6 amps. Thermal cut out is rated at 18 amps, if it cuts out at less than 18amps replace

Check the motors one at a time by removing cable and connecting the test meter in series with the battery cable and motor

The reading should be between 1 and 3 amps, if they are drawing more power than this they have developed a fault and need to be replaced