



# Electric Ride-On Tractor / Excavator



## User Manual

[Revision 4.0 February 2020]

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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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**THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.**

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## About the Ride-On Vehicle

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Keep these points in mind as you read this guide:

Suitable Age:	3 years and up
Load Capacity:	30kg
Charger:	Output: 6VDC 0.8A
Battery:	6V 7Ah
Fuse:	Self-resetting
Charging Time:	8 to 12 hours (maximum 15 hours)

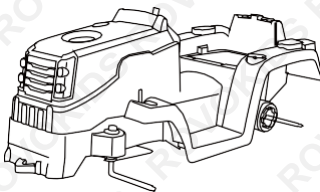
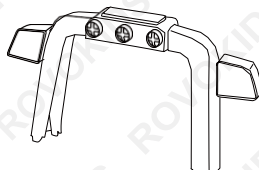
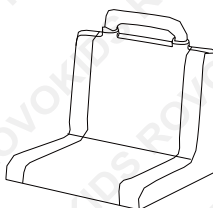
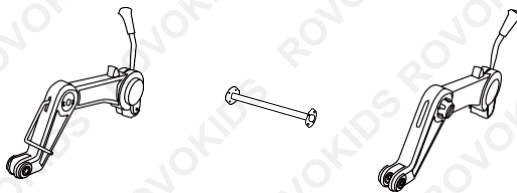
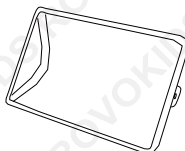
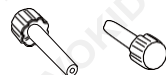
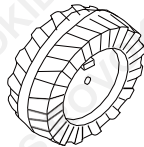


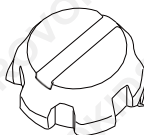


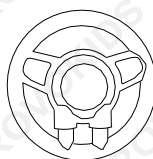



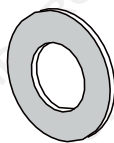









## WARNING!

**FOR THE SAFETY OF YOUR CHILD, PLEASE READ ALL WARNINGS AND ASSEMBLY/USE INSTRUCTIONS. KEEP THIS GUIDE FOR FUTURE REFERENCE.**

- **ADULT ASSEMBLY REQUIRED.** The product contains packaging and small parts that may be hazardous to children. Keep children away when assembling and dispose of packaging responsibly.

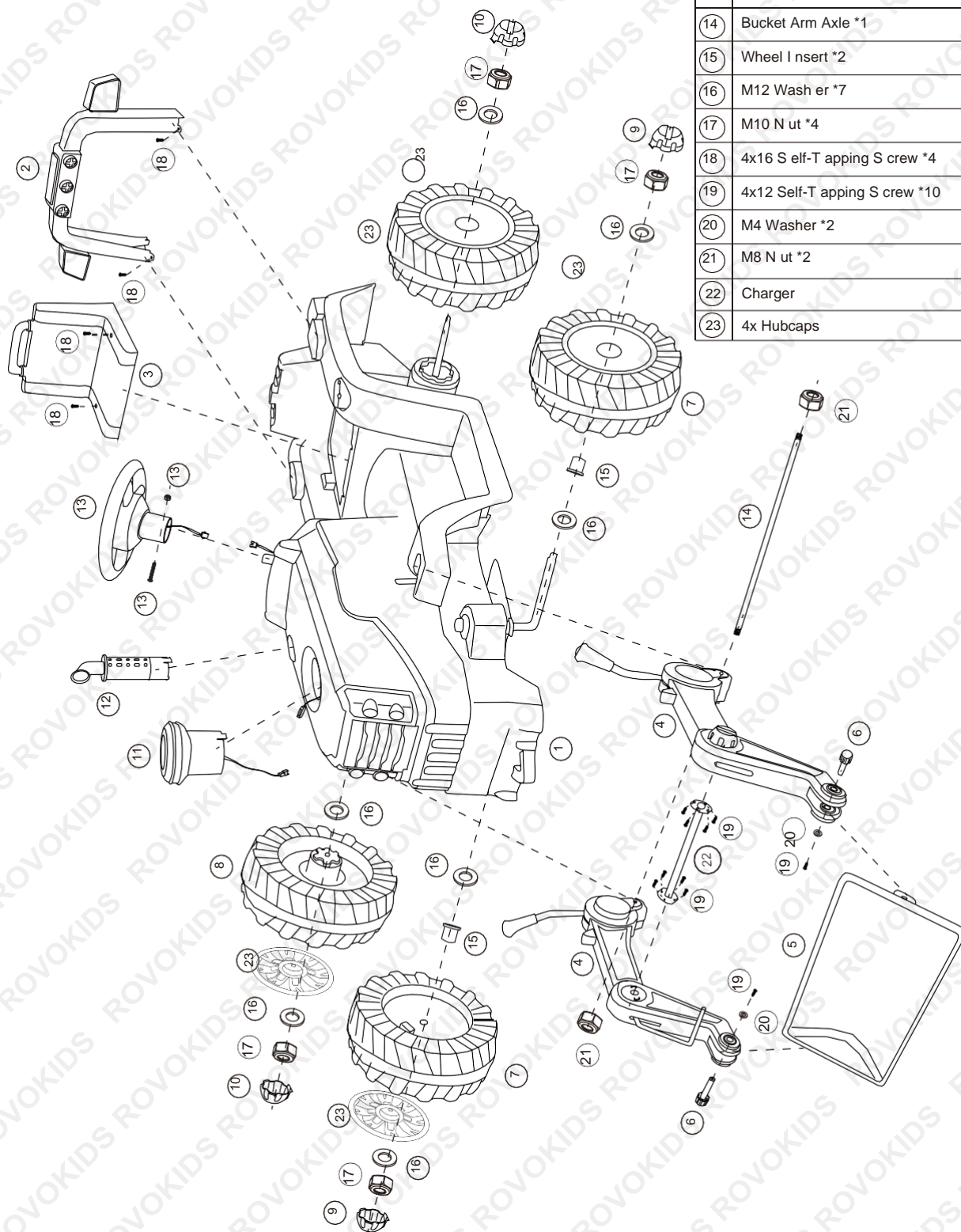
# Parts List

Body *1	Rear Bar *1	Seat*1	
 1	 2	 3	
Bucket Arm *2	Bucket *1	Bucket Pin *2	
 4	 5	 6	
Front Wheel *2	Rear (Driven) Wheel *2	Front centrecap *2	Rear centrecap *2
 7	 8	 9	 10
Stack *1	Exhaust *1	Steering Wheel*1	M5 Nut *1
 11	 12		
Bucket Arm Axle *1	Wheel Insert *2	M12 Washer *7	
 14	 15	 16	
M10 Nut *4	4x16 Self- Tapping Screw *4	4x12 Self-Tapping Screw *10	
 17	 18	 19	
M4 Washer *2	M8 Nut *2	Charger *1	4x Hubcaps
 20	 21	 22	 23



# Parts Diagram

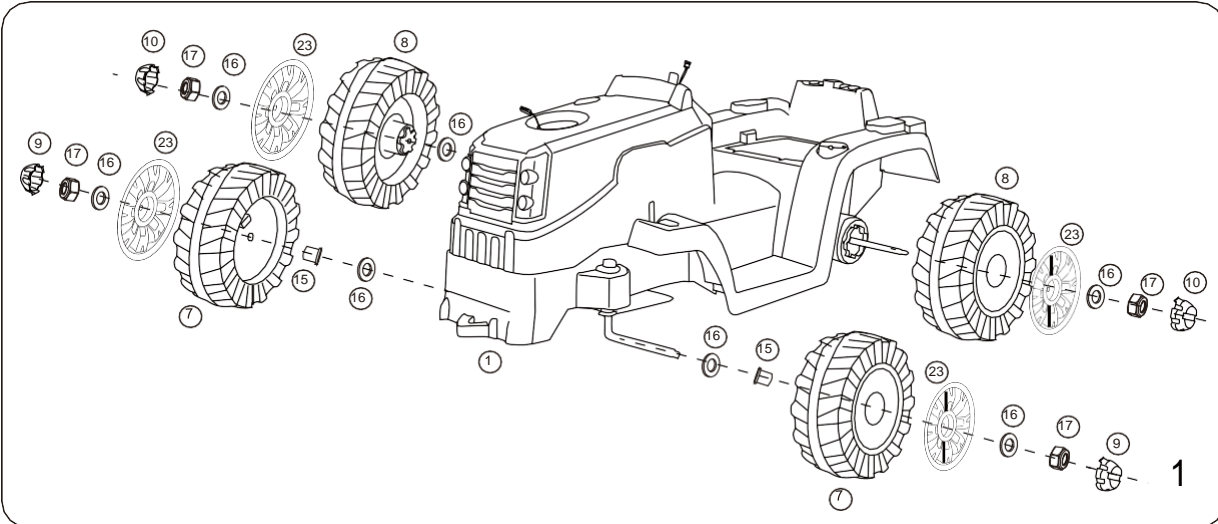
1	Body *1	8	Rear ( Driven) W heel *2
2	Rear Bar *1	9	Front Centrecap *2
3	Seat *1	10	Rear Centrecap *2
4	Bucket Arm *1	11	Stack *1
5	Bucket *1	12	Exhaust *1
6	Bucket Pin *2	13	Steering W heel *1 M5x40 S crew *1 M5 Nut *1
7	Front Wheel *2	14	Bucket Arm Axle *1
		15	Wheel I nsert *2
		16	M12 Wash er *7
		17	M10 N ut *4
		18	4x16 S elf-T apping S crew *4
		19	4x12 Self-T apping S crew *10
		20	M4 Washer *2
		21	M8 N ut *2
		22	Charger
		23	4x Hubcaps



# Assembly

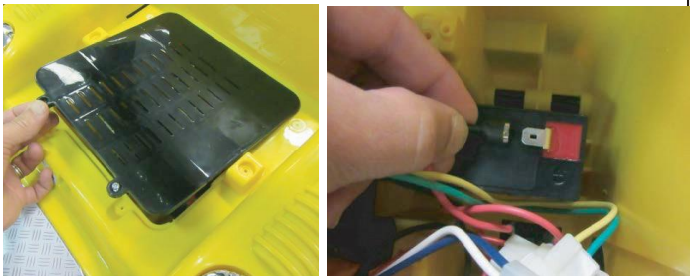
- This product requires adult assembly. Children can be harmed by small parts, sharp edges and sharp points in the vehicle's unassembled state. Care should be taken in unpacking and assembly of the vehicle. Children should not handle parts, or help in assembly of the vehicle.
- Identify all parts before assembly and save all packaging until assembly is complete to ensure no parts are discarded.
- Some tools (not supplied) may be required for assembly, such as a Phillips head screwdriver and suitable spanner.

## 1. Install the Wheels.

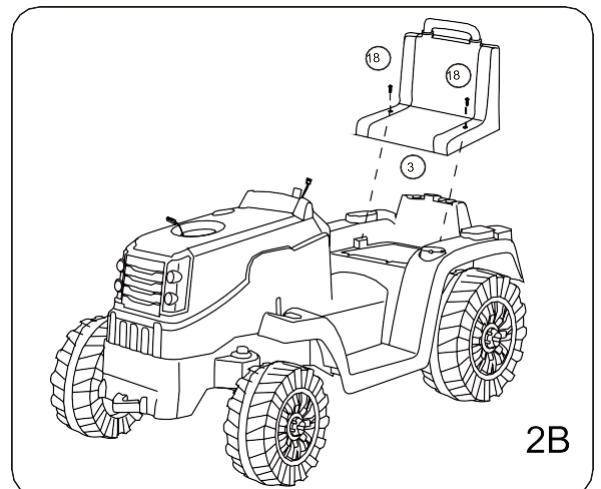


- (7.) As shown in step 1, install the front wheels by first inserting a spacer (15) into each front wheel. Place a washer (16) onto each axle, then slide the wheels on. Secure the wheel with washer (16) and nut (17). Firmly tighten the nuts then push on the hubcaps (9) until they clip into position.
- Install the rear wheels by placing each wheel (8) onto axle – ensure that drive teeth on the inside of the wheels correctly engage with the drive motor. Secure the wheel with washer (16) and nut (17). Firmly tighten the nuts then push on the hubcaps (10) until they clip into position.

## 2. Connect the Battery and Install the Seat .



2A



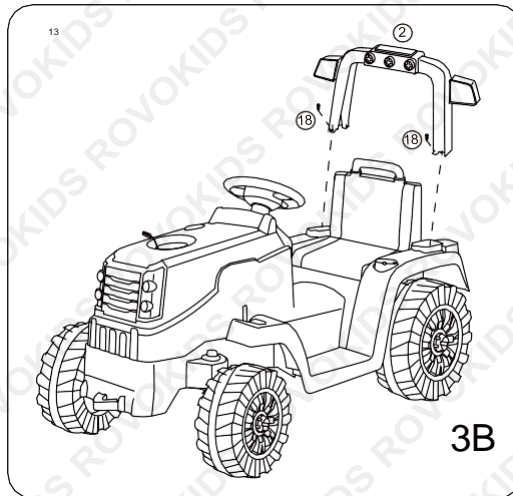
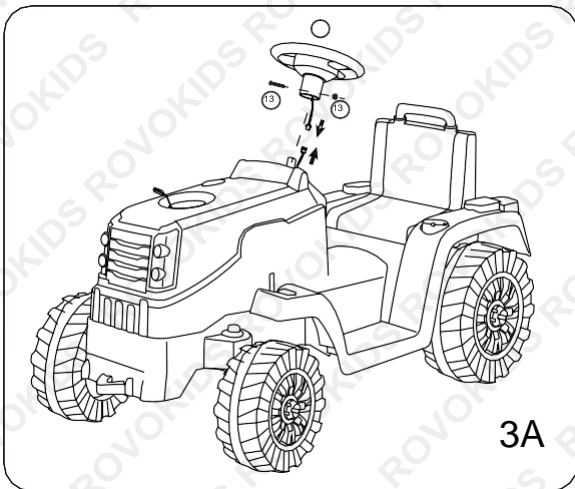
2B

- As shown in step 2 A, under the seat is the battery compartment. Remove the 2 screws securing the battery compartment cover, then connect the free battery wire to the unconnected battery terminal, then re-install the cover and secure it with the 2 screws.
- As shown in step 2B, place the seat (3) in position on the vehicle and secure it with 2 screws (18) Do not over-tighten the screws as they are screwing into plastic.

**NOTE :** Please remove the terminal cover first when assembling the battery

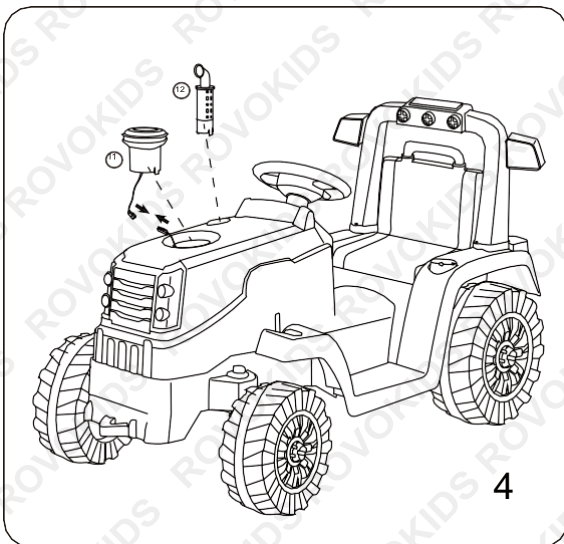
# Assembly

## 3. Install the Steering Wheel and Rear Bar.



- As shown in step 3A, connect the steering wheel (13) wiring to the vehicle wiring. Ensure that the connectors are aligned correctly (these can generally only connect one way). Push excess cable down into the steering column.
- Slide the steering wheel down onto the steering shaft so that the hole in the steering column aligns with the hole in the steering shaft. Secure the steering wheel using the M5x40 screw and nut.
- As shown in step 3B, place the rear bar (2) in position on the vehicle and secure it with 2 screws (18). Do not over-tighten the screws as they are screwing into plastic.

## 4. Install the Stack and Exhaust.

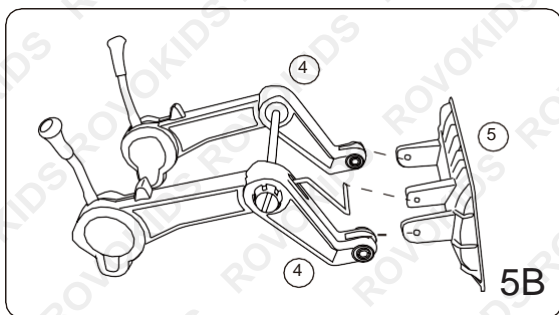
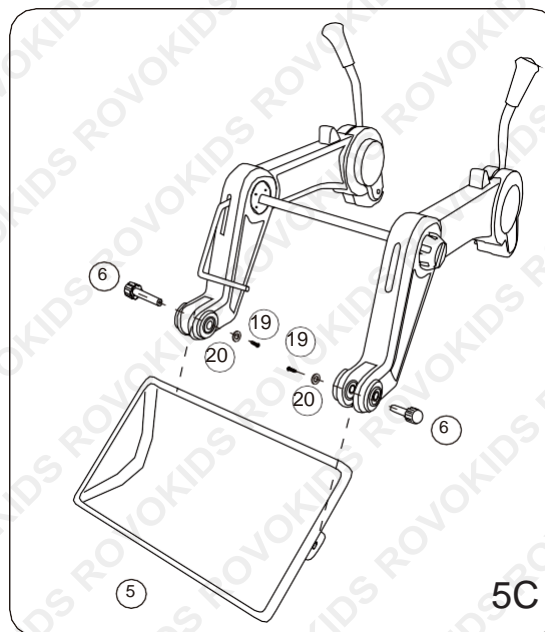
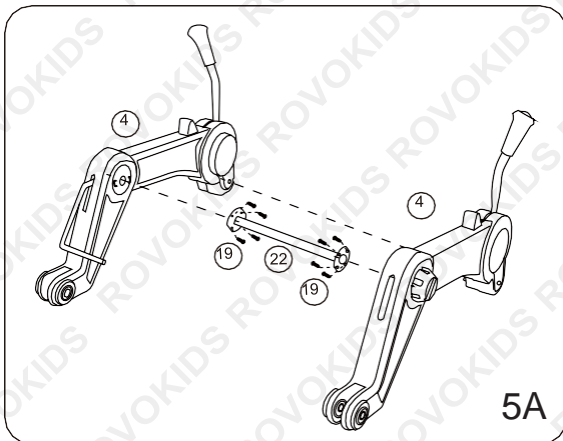


- As shown in step 4, connect the stack (11) wiring to the vehicle wiring. Ensure that the connectors are aligned correctly (these can generally only connect one way). Push excess cable down into the vehicle body, then push the stack down into the vehicle body until it clips into place.
- Push the exhaust (12) down into the vehicle body until it clips into place.



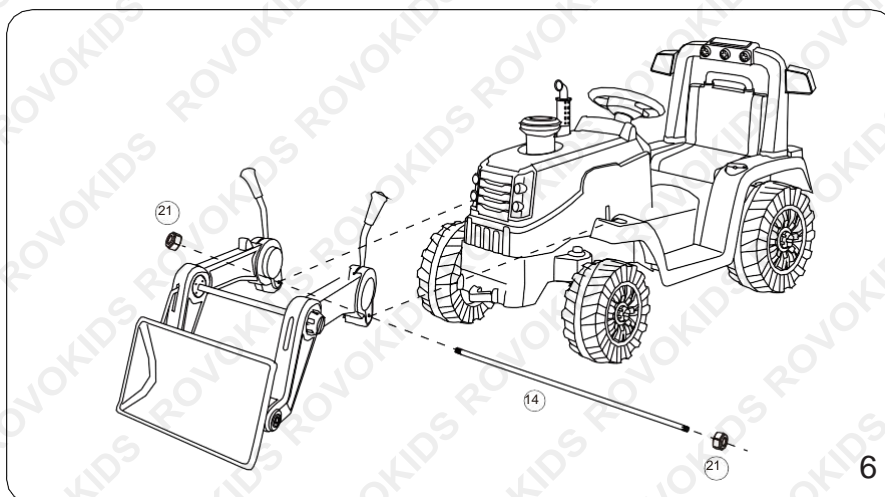
# Assembly

## 5. Assemble the Bucket.



- As shown in step 5A, connect the 2 bucket arms (4) together using the bucket arm tube (22) using 8 screws (19). Do not over-tighten the screws as they are screwing into plastic.
- As shown in step 5B, connect the centre mounting of the bucket (5) to the hook in the right-hand bucket arm (4), then bring the outer mountings in so they are located between the fingers at the end of each bucket arm.
- As shown in step 5C, attach the bucket to the bucket arms by inserting each bucket pin (6) through the bucket arm fingers from the outside, then securing them using a washer (20) and screw (19). Do not over-tighten the screws as they are screwing into plastic.

## 6. Attach the Bucket Assembly to the Vehicle.



- As shown in step 6, attach the bucket assembly to the vehicle by aligning the ends of the bucket arms up to the holes in the vehicle, above the front wheels. Slide the bucket arm axle (14) through the bucket arms and vehicle, then secure it using 2 nuts (21).

# Operation

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## WARNING!

### PREVENT INJURY AND DEATH:

- **NEVER LEAVE CHILDREN UNATTENDED. DIRECT ADULT SUPERVISION IS REQUIRED AT ALL TIMES.** Always keep children in view when the vehicle is in use.
- Never use in roadways, near cars, on or near steep inclines or steps, swimming pools or other bodies of water.
- Always wear shoes.
- Always sit on the seat.
- Suitable for age 3 years and up.
- Maximum rider weight is 30kgs.

### Before Use Check List:

- **Important!** Before using the vehicle for the first time, the battery needs to be charged for 8 to 12 hours, however, no more than 15 hours. Only adults can charge the battery.
- Completely assemble the vehicle according to instructions.
- Check that all fasteners are properly tightened and that all components are secure.

### Rules for Safe Riding

#### ENSURE THAT ALL RIDERS FULLY UNDERSTAND THE FOLLOWING SAFETY RULES

- Always wear a helmet and protective clothing when riding.
- Keep children within safe riding areas:
- Never use in roadway, near motor vehicles, on lawn space, on or near steep inclines or steps, swimming pools or other bodies of water.
- Use only on flat surfaces, such as inside the house, garden or playground.
- Never use in the dark. Use only in the daytime or well-lit areas.
- It is not recommended to use the vehicle on wet surfaces or slopes greater than 15 degrees.
- Do not use the vehicle outdoors when it is raining or snowing.
- Make sure you come to a complete stop before changing directions from forward to reverse.
- Follow the weight and age limits for safe operation of the vehicle.
- It is prohibited to modify the vehicle electrics or other components.
- Periodically inspect wires, connectors and ensure that fasteners and components are secure.
- Inspect and ensure the vehicle is safe before each use.
- Do not let any child touch the wheels or be near them when the vehicle is moving.
- The vehicle should be used with caution since skill is required to avoid falls or collisions causing injury to the rider, other persons or property.



# Operation

## General Use

### IMPORTANT!

Always stop vehicle when changing forward/backward direction to avoid damaging the gear box and motor.

The vehicle features the following functions (refer to figure 1):

**NOTE:** The vehicle speed defaults to high speed - there is no speed control available on the vehicle. Use the remote control to set speed to either low, medium, or high. If the vehicle is switched off, it will return to high speed when switched on again.

- **Switching ON / OFF** - Press **ON / OFF** button to activate the vehicle - lights may activate and sounds may play.
- **Moving Forward** - Place the direction control lever in the **Forward** position and press the "accelerator pedal" to travel forwards.
- **Moving Backward** - Place the direction control lever in the **Back** position and press the "accelerator pedal" to travel backwards (reverse).
- **Stopping** - Remove foot from accelerator pedal to stop the vehicle. Place the direction control lever in the **Stop** position.
- **Playing Music/Sounds** - When the vehicle is ON, press the buttons on the steering wheel to play various built-in music (right-hand button) or horn (left-hand button). To play from an external device, connect the headphone output of the device to the auxiliary connection on the vehicle. To adjust music/sound volume, rotate the volume control to the right to increase volume; rotate left to decrease volume. When playing built-in music, to switch it off, press the horn button.
- **Using the Bucket** - Push/pull the left-hand lever to raise and lower the bucket. Push/pull the right-hand lever to tilt the bucket.

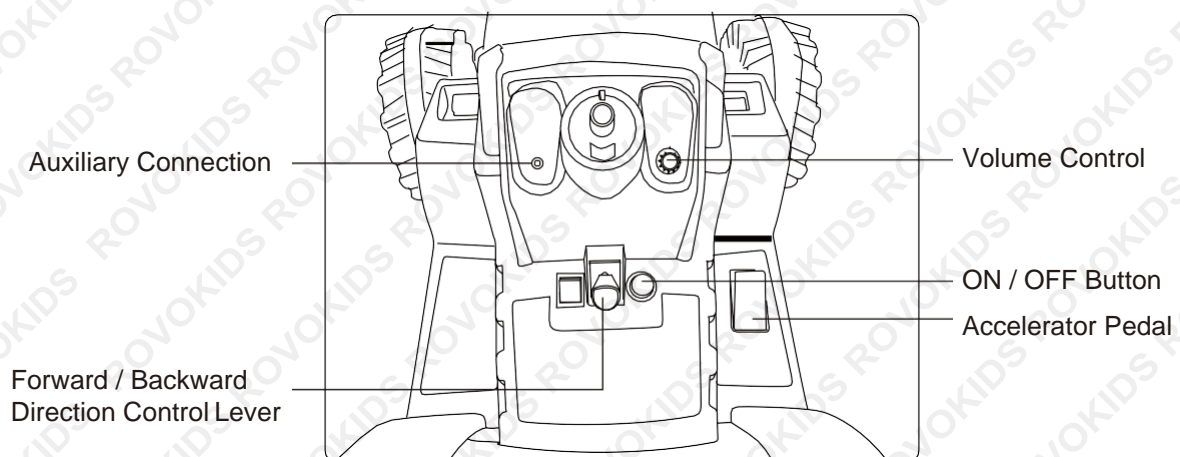
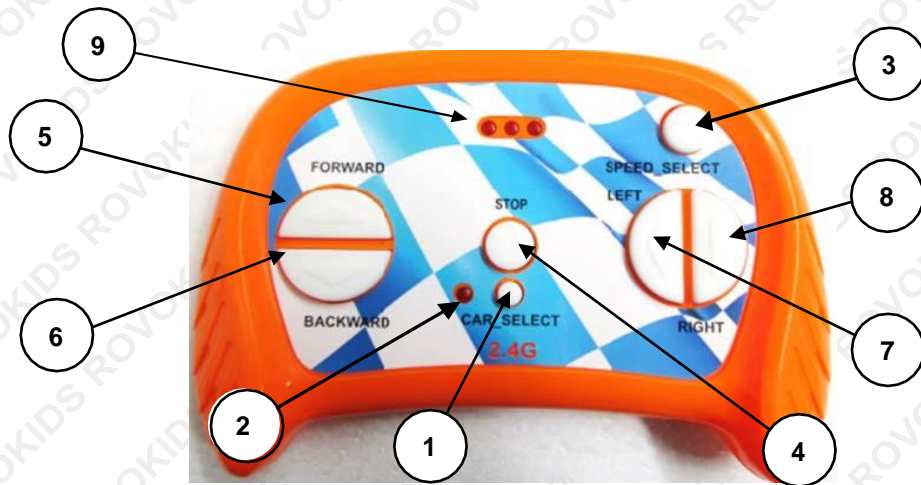


Figure 1

# Operation

## Remote Control Operation

**NOTE:** Batteries (not included) must be properly installed in the remote control handset. • The remote control must be "paired" with the vehicle for remote control mode operation (see [Pairing](#)). • The remote control automatically enters a "power save mode" after approximately 15 seconds if not used.



No.	Name	Description
1	Pairing	Used to "pair" the remote control and vehicle.
2	Pairing Indicator	Shows when pairing is active (flashing) and when pairing is successful (stays lit).
3	Speed Select	Used to control vehicle speed when under remote control operation. Press repeatedly to step between speeds. There are three possible speeds, each indicated by the speed indicator (3).
4	Emergency Stop	Used to immediately stop the vehicle, even if the rider is controlling it. When stopped using the remote control, the vehicle will immediately become available in driver mode when the button is released. This means that if the child is still pressing the accelerator, when you release the button, the vehicle will continue moving.
5	△ Forward	Used to move the vehicle in the forward direction. Press and hold as required.
6	▽ Backward	Used to move the vehicle in the reverse direction. Press and hold as required.
7	◁ Left	Used to set vehicle direction to the left. Press and hold as required. Note that when the button is released, the vehicle wheels do not automatically return to center.
8	▷ Right	Used to set vehicle direction to the right. Press and hold as required. Note that when the button is released, the vehicle wheels do not automatically return to center.
9	Speed Indicator	Shows the current speed setting. Slow flash = low speed, medium flash = medium speed, rapid flash = high speed.

Remote control operation allows an adult to stop or steer the vehicle at any time. For example, to prevent the vehicle being driven into an obstacle etc.

1. To stop the vehicle, press the **Emergency Stop** button.
2. To steer the vehicle, use ◁ and ▷.



**CAUTION!** When stopped using the remote control, the vehicle will immediately become available to the rider when **Emergency Stop** is released. This means that if the child is still pressing the accelerator, when you release **Emergency Stop**, the vehicle will continue moving. • When using the remote control handset to steer the vehicle, the child may still use the steering wheel to also change direction.

Full remote control is available and is useful for children not able to correctly operate the vehicle. To use full remote control mode:

1. Start the vehicle and set the **Direction Control** lever to the middle position.
2. Use the remote control handset to control vehicle movement.

# Operation

## Pairing

"Pairing" means to set the communications between the remote control and the vehicle so that the vehicle responds to the remote control. If pairing is not carried out, the remote control will not function. Pairing needs to be carried out before first use and also each time the remote control batteries are replaced. It is recommended to have the vehicle and remote control no more than 5m apart when pairing. To pair:

1. Press and hold the **Pairing** button – the red indicator next to it will flash.
2. Switch the vehicle on. When the red indicator next to the **Pairing** button stops flashing and remains lit, the pairing is successful.

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**Note:** If the pairing fails, remove the batteries from the remote control and then re-install them. Then repeat the pairing procedure.

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## Charging the Battery

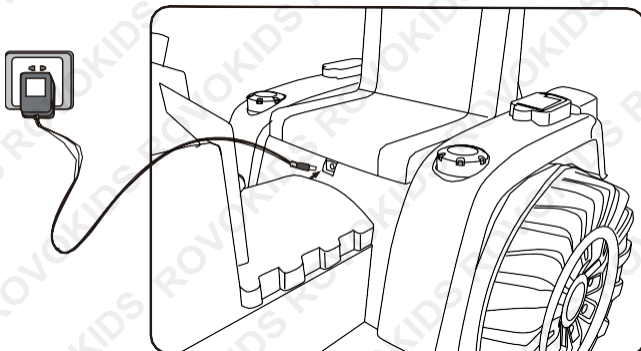


## WARNING!

### PREVENT FIRE AND ELECTRIC SHOCK:

- Do not open the charger. Exposed wiring and circuitry inside may cause electric shock.
  - Adults only may handle or charge the battery. NEVER allow children to handle or charge the battery.
  - Do not drop the battery. Permanent damage to it may occur or cause serious injury.
  - Before charging the battery, check for wear or damage to the battery, charger, cords and connectors. DO NOT charge the battery if any damage to parts has occurred.
  - Do not allow the battery to drain completely. Recharge the battery after each use or once a month if not used regularly.
  - Always keep the vehicle upright during charging.
  - Always secure the battery with the bracket to prevent the battery falling out and causing injury if vehicle tips over.
- 
- The charging input socket is located under the front of the seat.
  - The ON / OFF switch must be in the OFF position when charging.
  - Before the first use, you should charge the battery for 8 to 12 hours. Do not recharge the battery for more than 15 hours to avoid overheating the charger.
  - When the vehicle begins to run slowly, recharge the battery.
  - After each use, or once a month minimum, recharge the battery.

**NOTE:** This product features charging protection - When charging, all functions are unavailable.



1. Plug the charger cord into the input socket;
2. Plug the charger plug into a wall outlet. The battery will begin charging.



# Troubleshooting

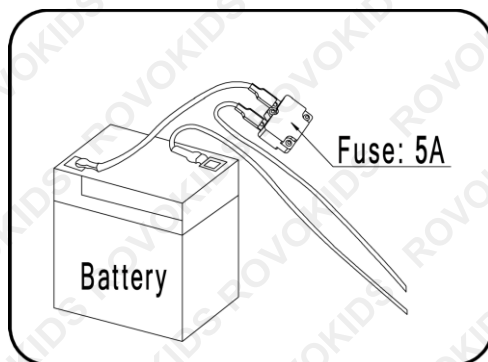
## ■ PROBLEM: The vehicle does not run

Possible Cause: *The battery may be low on charge.*

After each use, or once a month minimum, charge the battery for 8 to 12 hours. Do not leave the battery on the charger for more than 15 hours.

Possible Cause: *Thermal fuse has tripped.*

The vehicle is equipped with a self-resetting fuse. When the vehicle is overloaded or operated incorrectly; the self-resetting fuse will prevent use for 10 to 20 seconds before becoming operational again. The self-resetting fuse is under the seat (Refer to the picture.)



To avoid tripping the fuse, follow these guidelines:

- DO NOT overload the vehicle, Maximum weight = 30kg.
- DO NOT tow anything behind the vehicle.
- DO NOT drive up steep slopes.
- DO NOT drive into fixed objects, which may cause the motor to overheat.
- DO NOT drive in very hot weather, components may overheat.
- DO NOT tamper with the electric system, Doing so may create a short circuit, causing the fuse to trip.

Possible Cause: *Battery connector or wires are loose.*

Make Sure the battery connectors are firmly plugged in to each other.

Possible Cause: *Battery is no longer serviceable.*

Have you properly maintained the battery according to directions? Is the battery old? The battery may need to be replaced.

Possible Cause: *Electric system is damaged.*

Water may have corroded the system, or dirt etc may have jammed the switch.

Possible Cause: *Motor is damaged.*

The motor needs professional repair.

## ■ PROBLEM: The battery will not recharge.

Possible Cause: *Battery connector or adapter connector is loose.*

Make sure the battery connector and adapter connector are firmly plugged together. Possible Cause: *Charger is not plugged in.*

Make sure the charger is plugged into the wall outlet and the power outlet is ON.

Possible Cause: *Charger is not working.*

Is the charger warm while charging? If not, the charger may be broken and may need to be replaced.

# Troubleshooting

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## ■PROBLEM: The vehicle runs for a short time only.

Possible Cause: *Battery may be undercharged.*

Battery not charged long enough. After each use, or once a month minimum, charge the battery for 8 to 12 hours. Do not leave the battery on the charger for more than 15 hours.

Possible Cause: *Battery is old.*

The battery will eventually lose the ability to hold a charge. Depending on use and conditions, the battery should operate for one to three years. Replace the battery.

## ■PROBLEM: Battery makes noise when charging.

This is normal and not a cause for concern. It may also be silent when charging, which is also normal.

## ■PROBLEM: Charger feels warm when charging battery.

This is normal and not a cause for concern.

# Maintenance

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- It is parents' responsibility to check the toy before use. Regularly inspect for potential hazards, such as the condition of the battery, charger, cables and cord, and that screws and components are secure and free of damage. In the event of damage, the toy must not be used until it has been inspected and repaired by an authorised service centre or technician.
- Make sure any parts of the vehicle are not cracked or broken.
- Occasionally use a light oil to lubricate moving parts such as wheels.
- Store the vehicle indoors in a dry place out of the sun and keep it covered.
- Keep the vehicle away from sources of heat, such as stoves and heaters. Plastic parts may be damaged.
- Recharge the battery after each use. Only adults can charge the battery. Recharge the battery at least once a month when the vehicle is not being used.
- Do not clean the vehicle with a hose or use water. Do not use the vehicle in rain or snow weather. Water will damage the motor, electric system and battery.
- Clean the vehicle with a soft, dry cloth. To restore shine to plastic parts, use a non-wax furniture polish. Do not use car wax. Do not use abrasive cleaners.
- Do not drive the vehicle in loose dirt, sand or fine gravel which could damage moving parts, motors or the electric system.
- When not in use, switch the vehicle OFF.
- For long term storage, disconnect the battery connection.

# Battery Disposal

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- Your sealed lead-acid battery must be recycled or disposed of in an environmentally responsible manner and according to local regulations.
- Do not dispose of your lead-acid battery in a fire. The battery may explode or leak.
- Do not dispose of a lead-acid battery in your regular, household rubbish.
- Return an exhausted battery to an approved battery recycler, such as a seller of automotive batteries.
- Contact your local waste management authority for information regarding the environmentally sound recycling and disposal of lead-acid batteries.

This product is certified for ASTM F963, CPSIA, GB6675, GB19865; EN71 and EN62115 standards.





**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.

