

MODEL NO.

0610 0611
0612 0613
0614 0615
0616 0617
0618 0619

EN

AGES 3+

12V FIRE ENGINE

OWNER'S MANUAL

Please read entire manual before starting assembly.
Keep this manual along with your purchase receipt
for future reference.



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CAUTION

Screws contain potentially hazardous sharp points or sharp edges. Adult assembly required.



WARNING

To reduce the risk of injury, adult supervision is required. Never use on roadways, near motor vehicles, on or near steep inclines or steps, swimming pools or other bodies of water. Always wear shoes, and never allow more than two riders.



WARNING:

Adult assembly required.



WARNING:

CHOKING HAZARD-Small parts.
Not for children under 3 yrs.

Contents, colors and decorations may vary from those shown.

IMPORTANT

You must charge your battery for 18 hours before you use your vehicle for the first time.

Remember to. . .

- ✓ Charge the battery immediately after each use.
- ✓ Charge the battery at least once a month during storage, even if the vehicle has not been used.

The battery will be permanently damaged and your warranty will be void if you fail to follow the instructions. Please refer to the Battery Care Section in this manual for more information.

LIMITED WARRANTY

(The warranty and toll-free number only apply in the United States and Canada.)

This vehicle is warranted by NPL® for ninety days from date of purchase against defects in materials or workmanship. The warranty covers the NPL® vehicle which has been used under normal circumstances, solely for the purpose for which it was intended and has been given proper care and maintenance. The warranty does not cover damage by customer, damage which results from normal wear and tear or from alterations made by the customer, or damage caused by use for an unintended purpose. Shipping and handling are not covered by this warranty.

Please keep the original purchase receipt for any warranty claims, and inspect the product upon purchase for any defects or missing parts.

We are here to help -

- For parts order, please visit: www.funcreation.net
- For Customer Service, please email us: customerservice@funcreation.net
- Or call our toll-free number: 1-877-743-3899

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Important Information

- Your new vehicle requires adult assembly. Please set aside at least 60 minutes for assembly.
- You must charge your battery for 18 hours before you use your vehicle for the first time. **We recommend that you start charging your battery before beginning assembly.** Please see Battery charging beginning on page 6 for detailed instructions.
- Read this manual carefully for important safety information and operating instructions before using your vehicle. Keep these instructions for future reference as they contain important information.
- This vehicle is designed for use on: concrete, asphalt or other hard surfaces; on generally level terrain; by children ages 3 and up.
- Instruct the children on operation and safe driving rules before they take their first drive:
 - always sit in the seat.
 - always wear shoes.
 - maximum two (2) riders at a time.
 - do not place hands, feet or any part of the body, clothing or other articles near moving parts while the vehicle is in operation.
 - do not allow other children near vehicle when driving.
- Use this vehicle **ONLY** outdoors. Most interior flooring can be damaged by riding this vehicle indoors.
- NPL® will not be responsible for damage to the floor if the vehicle is used indoors.
- To prevent damaging the motors and gears, do not tow anything behind the vehicle or overload it. Do not exceed the maximum weight capacity of 130 lbs (59 kg).
- If you have any questions about your NPL® vehicle, please call our toll-free service lines at 1-877-743-3899 from 9 AM to 5 PM (PST) Monday through Friday. Trained customer service representatives are available to take your call.
- The NPL® service centers will repair or replace parts under warranty at no extra charge, and can perform non-warranty repairs for a minimal charge. (The warranty and customer service contact in this manual only apply in the United States and Canada.)
- **IMPORTANT INFORMATION:**
YOUR NEW VEHICLE REQUIRES ADULT ASSEMBLY. PLEASE SET ASIDE AT LEAST 60 MINUTES FOR ASSEMBLY.

Warning

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Warning

To Prevent Serious Injuries

- This product is intended for use by children ages 3 and up, and is not intended for children under 3 years of age due to lack of ability to operate safely.
- Maximum weight 130 lbs (59 kg). Maximum 2 riders at a time.
- Do not leave children unattended. Adult supervision required.
- This package contains small parts. Keep away from the children until assembled.
- Read manual for detailed safety information prior to use.
- Inspect product at regular intervals for wear or loose hardware and tighten as required. Remove from service if any abnormal conditions such as cracks or breaks exist.
- Check all coverings regularly to make sure they are in place.
- Batteries can fall out and injure a child if the vehicle tips over. Always use the battery cover.
- When the temperature falls below 0°F (-18°C), outdoor use of this product is not recommended.
- In extreme cold, plastic materials might lose resilience and may become brittle and crack upon impact. Store in a warmer and protected place.
- Do not operate the vehicle outdoors if it is raining. Keep it in a dry area when not in use.
- Disconnect the battery power supply when the vehicle is not in use to prevent the children driving the car without adult supervision.
- Always make sure the seat is securely attached.
- Only use the charger specified by NPL®.
- The charger and battery are not toys and must be regularly examined for damage to the cord, plug, enclosure and other parts.
In the event of damage, the damage or worn part must not be used until replaced.
- Never modify the electrical system. Use of the wrong type battery or charger could cause a fire or explosion.
- Battery compartment and area under seat are not storage areas. Storing other articles may create a fire hazard. Do not store any articles in or near motor compartment.

Safe Driving Rules

• **ADULT SUPERVISION REQUIRED. MAKE SURE CHILDREN KNOW AND FOLLOW THESE RULES FOR SAFE DRIVING.**

- Restrict children to safe riding areas:
 - Away from swimming pools and other bodies of water to prevent drowning.
 - Level ground to prevent tipovers and unintended downhill motion.
 - Away from steps, hills, driveways, roads and alleys.

• **Teach and learn the safety first:**

Although most children can master the physical driving skills to control the vehicles, they do not have the mature judgment skills. Never let a child drive at any time without adult supervision, and take the time to carefully evaluate child's skill levels and abilities to operate the vehicle safely. Children do not always recognize the hazards even after instruction. So teach appropriate safety rules before allowing any child to operate vehicle, and remember that **THERE IS NO SAFE SUBSTITUTE FOR DIRECT ADULT SUPERVISION.**

• **Riding rules:**

- Always sit on the seat and wear shoes.
- Maximum two riders at a time.
- Do not operate in the street or near moving vehicles.
- Do not operate near bodies of water, obstructions or drop-offs.
- Do not operate on sand, dirt or gravel.
- Do not operate in the dark. Unexpected obstacles could cause an accident.
- Do not operate on inclines or steep slopes.
- Do not operate near flammable vapors (e.g., gasoline, paint thinner, acetone, liquid wax, etc.) Using the vehicle near flammable liquids or vapors could cause an explosion or fire.
- Do not place anything near moving parts such as motors, gears or wheels. Rotating parts can snag hair, fingers, etc., which may cause serious injuries.

Battery Warning

ELECTRICAL HAZARD



WARNING

Battery can fall out and injure a child if vehicle tips over. Always use battery cover.

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 type battery or charger could cause a fire or explosion resulting in serious injury.
 - Use of NPL® components in products other than NPL® vehicles could cause overheating, fire or explosion.
- The battery must be handled by adults only. The battery is heavy and contains sulfuric acid (electrolyte). Dropping the battery could result in serious injury.
 - Never allow children to charge the battery.
 - Battery charging must be done by adults only. A child could be injured by the electricity involved in charging the battery.
 - Never lift or carry the battery by the wires or connector. This can damage the battery and possibly cause a fire resulting in serious injury. Lift and carry the battery by the case only.
 - Read the safety instructions on the battery.
 - Examine the battery, charger and their connectors for excessive wear or damage each time you charge the battery. If damage or excessive wear is detected, do not use the charger or the battery until you have replaced the worn or damaged part.



CAUTION

Only use the battery specified by NPL®.
Only use the charger specified by NPL®.
Only use the charger in dry locations.

About Thermal Fuses

- Your NPL® 12 volt battery is equipped with a built-in thermal fuse. The thermal fuse is a self-resetting safety device which automatically trips and shuts down operation of the vehicle if the vehicle is overloaded or the driving conditions too severe. Once a fuse has tripped it will automatically reset itself after approximately 10 seconds and allow the vehicle to resume normal operations. To avoid repeated automatic shutdowns, do not overload the vehicle by exceeding the 130 lbs (59 kg) maximum weight capacity or by towing anything behind the vehicle. Avoid severe driving conditions, such as driving up very steep slopes or running into fixed objects, which can cause the wheels to stop spinning while power is still being supplied to the motors.
- If a thermal fuse in a battery continually trips under normal driving conditions, please contact NPL® Service Center at 1-877-743-3899.
(The warranty and toll-free number only apply in the United States and Canada.)

Important Notes

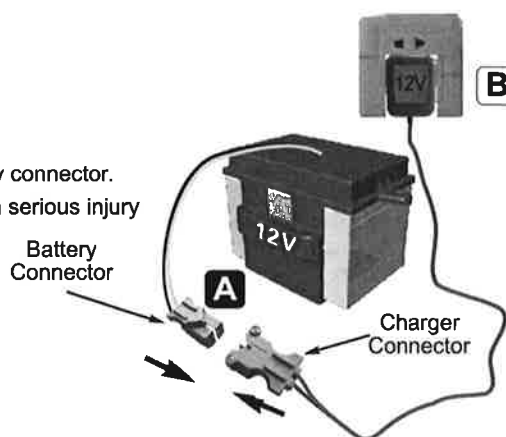
- Your new battery must be charged for at least 18 hours before you use it in your vehicle for the first time.
- You do not need to remove the battery from your vehicle to recharge.
- The battery must be upright while charging.
- The charger is not a toy.
- Do not short-circuit the battery.
- We recommend that you start charging your battery before beginning assembly of your new vehicle.
- Before charging the battery, examine the battery case for cracks and other damage which may cause sulfuric acid (electrolyte) to leak during the charging process.
- If damage is detected, do not charge the battery or use it in your vehicle. Battery acid is very corrosive and can cause severe damage to surfaces it contacts.
- Do not charge the battery on a surface which could be damaged by the acid contained inside the battery. Take precautions to protect the surface on which you charge your battery.
- If your battery is old and will not accept a charge, do not leave it in the vehicle. Always remove a dead battery from the vehicle.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are only to be charged under adult supervision.
- Do not mix new and old batteries.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with the correct polarity.
- Exhausted batteries are to be removed from the toy.
- The supply terminals are not to be short-circuited.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Rechargeable batteries (AA type) are to be removed from the toy before being charged.

Battery Charging

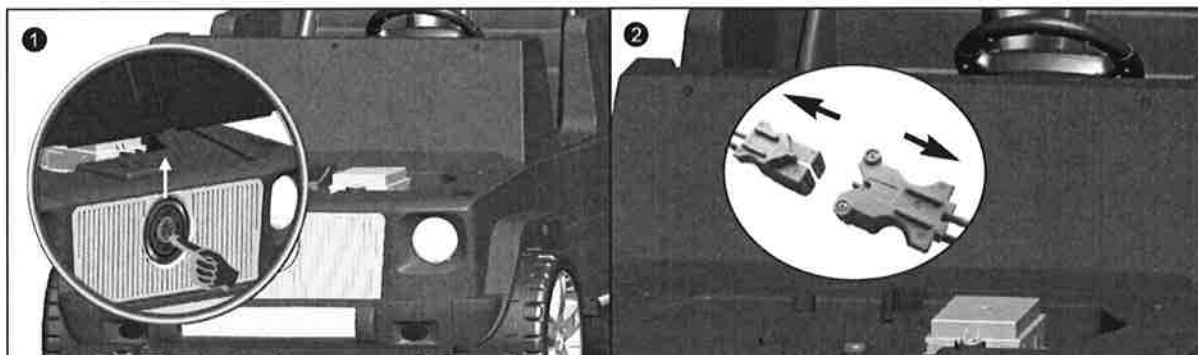


CAUTION

- Non-rechargeable batteries are not to be recharged.
- Make sure the charger connector is matching with the battery connector.
Wrong connection could cause a fire or explosion resulting in serious injury
- Make sure the brand, voltage and frequency of the charger are in accordance with the wall outlet.
- Batteries are to be inserted with the correct polarity.
- The supply terminals are not to be short circuited.

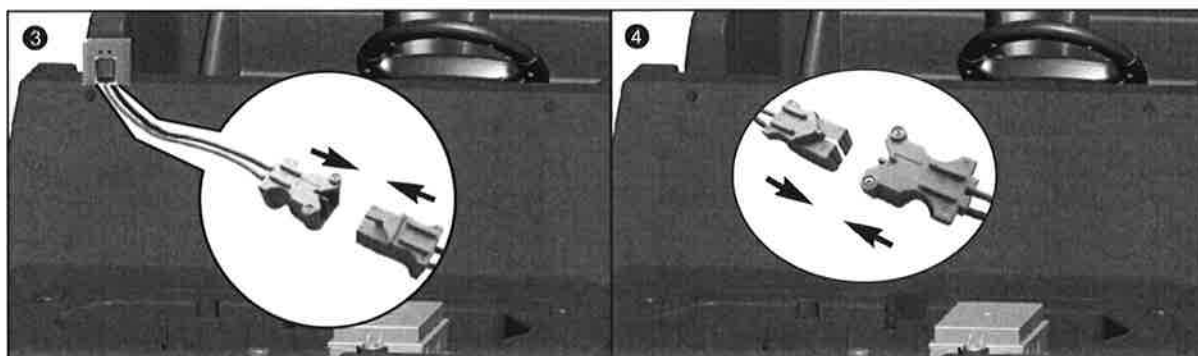


- Plug the battery connector into the charger connector. **A**
- Plug the charger into a standard wall outlet. **B**
- Only use the NPL® 12 volt charger to charge your NPL® 12 volt battery.
- Note: if power flow to the wall outlet is controlled by a switch, make sure the switch is "ON."
- Before first-time use, charge the battery for at least 18 hours. Never charge the battery longer than 24 hours.
- Recharge the battery for at least 12 hours after each use of your vehicle.
- Do not charge or store battery upside down. Charge away from flames, sparks and lit cigarettes. Charge in a well ventilated area.
- The power indicator on the charger allows you to see that there is power from the wall outlet.
- Once the battery is fully charged, disconnect the battery connector from the charger connector. Unplug the charger from the wall outlet. The battery is now ready to be installed in your vehicle. Please see the following Battery Installation Section for detailed instructions on installing your vehicle:



1 Push the emblem to open the hood.

2 Disconnect the battery by disconnecting the power plugs.



3 Connect the charger to the battery plug.

4 After it is fully charged, the battery plug must be reconnected into the plug from the main body.

Battery Care and Disposal

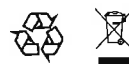
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Battery Care and Disposal

Care

- If a **battery leak** develops, avoid contact with the leaking acid and place the damaged battery in a sealed plastic bag.
- If acid comes in **contact with skin or eyes**, flush with cool water for at least 15 minutes and call a physician immediately.
- If acid is **Internally Ingested**, give water, milk of magnesia or egg whites immediately. Never give emetics or induce vomiting. Call a physician immediately.
- Charge a new battery for at least 18 hours before first use.
- Never charge the battery longer than 24 hours.
- Overcharging or undercharging the battery may shorten battery life and decrease vehicle running time.
- After the first charge, recharge the battery for at least 12 hours after each use. Never charge the battery longer than 24 hours. Charge the battery after each use, regardless of how long the vehicle was used.
- The battery must be upright while charging.
- Do not allow the battery to run down completely before charging.
- Charge the battery before storing the vehicle.
- Charge the battery at least once per month, even if the vehicle has not been used.
- Leaving the battery in a discharged condition will ruin it.
- If the vehicle will be stored for more than two months, be sure to disconnect the motor harness from the battery.
- Do not store the battery in temperatures above 75° F or below -10° F.
- **Only use the 12 Volt battery specified by NPL®.**
- Prevent the battery from moving freely inside the battery compartment. Make sure all screws for battery cover are fully tightened.
- Examine the battery, charger and its connector for excessive wear or damage each time you charge the battery. If damage is detected, do not use the charger or the battery until you have replaced the worn or damaged part.
- Remember to remove an exhausted battery from the vehicle.
- Battery leakage and corrosion can damage the vehicle.

Disposal



- Your NPL® battery is a sealed lead-acid battery. It must be recycled or disposed of in an environmentally sound manner.
- Never dispose your battery in the regular household trash. The incineration, landfilling or mixing of sealed lead-acid batteries with household trash is prohibited by law in most areas.
- To get a replacement battery, please visit your local retailer or contact at 1-877-743-3899.
- Always remove exhausted batteries from your toy.
- Dispose of dead batteries properly. Never burn or bury them.
- Do not dispose of a lead-acid battery in a fire. The battery may explode or leak.
- Return exhausted batteries to a federal or state approved lead-acid battery recycler, such as a NPL® authorized service center, or a local seller of automotive batteries.
- For the service center, please call at 1-877-743-3899. Contact your local waste management officials for other information regarding the environmentally sound collection, recycling and disposal of lead-acid batteries. If you live in the State of Florida or Minnesota, it is prohibited by law for anyone to throw away lead-acid batteries in the municipal waste stream.

(The warranty and customer service contact in this manual only apply in the United States and Canada.)

TO EXTEND BATTERY LIFE, YOU MUST RECHARGE THE BATTERY AFTER EACH USE. YOU MUST ALSO CHARGE YOUR BATTERY IF IT HAS NOT BEEN USED FOR 30 DAYS OR MORE.

Parts List

- Please identify all parts before assembly and save all packaging material until assembly is completed to ensure that no parts are discarded.
- Metal parts have been coated with lubricant for protection during shipment. Wipe all metal parts with a paper towel to remove any excess lubricant.



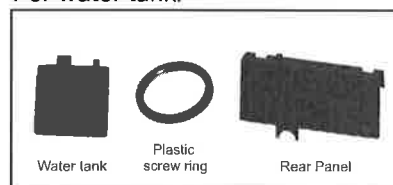
For hood



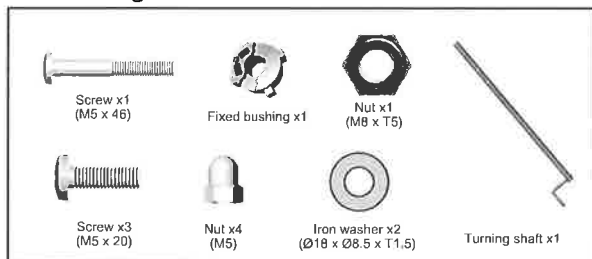
For dashboard with siren light:



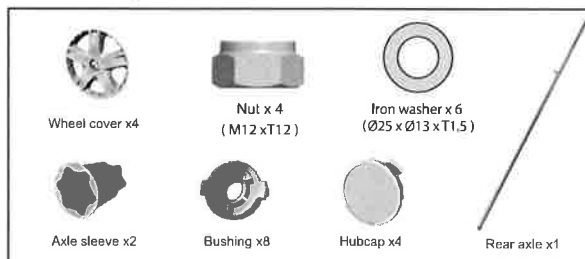
For water tank:



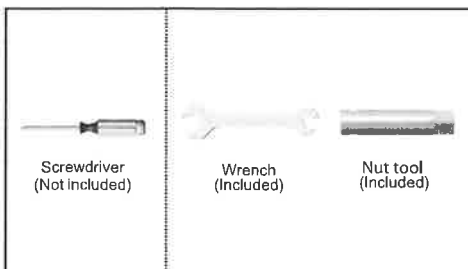
For steering wheel:



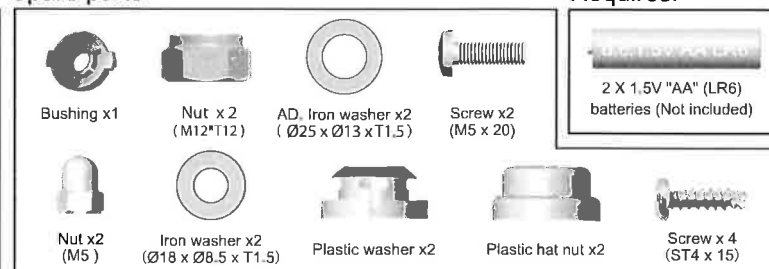
For wheels:



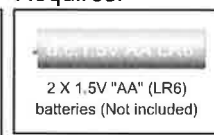
Tools needed:



Spare parts:



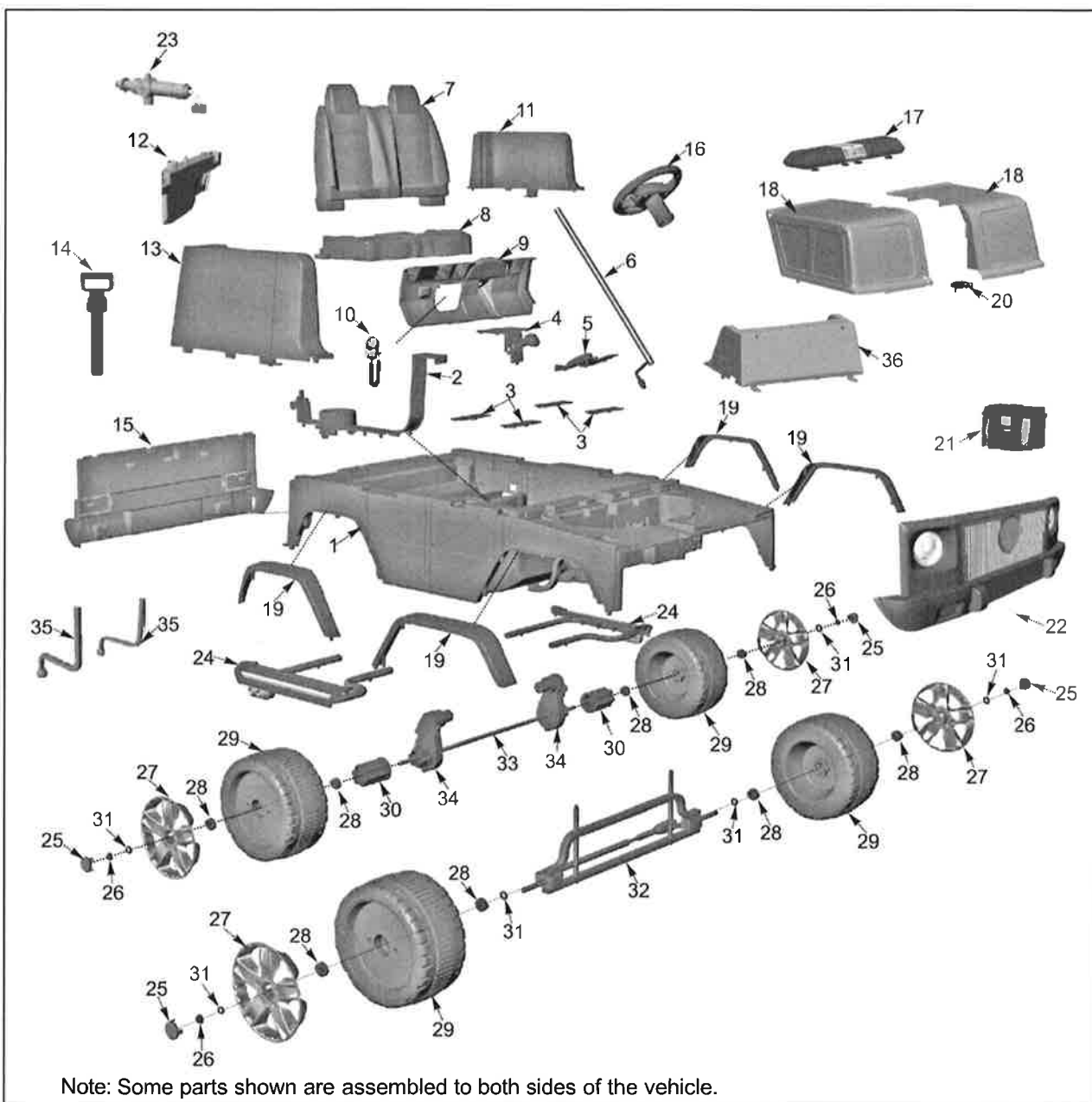
Requires:



Parts Diagram

Parts Diagram

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Note: Some parts shown are assembled to both sides of the vehicle.

No. Part	Quantity	No. Part	Quantity	No. Part	Quantity
1 Body	1	13 Right side window	1	25 Hubcap	4
2 Wire cover board	1	14 Water pump	1	26 Nut	4
3 Fixed plate for pedal	4	15 Rear bumper	1	27 Wheel cover	4
4 Shifter	1	16 Steering wheel	1	28 Bushing	8
5 Pedal	1	17 Siren light	1	29 Wheel	4
6 Turning shaft	1	18 Hood	2	30 Axle sleeve	2
7 Backrest	1	19 Side fender	4	31 Big washer	6
8 Seat	1	20 Hood lock	1	32 Front end assembly	1
9 Dashboard	1	21 Battery	1	33 Rear axle	1
10 Microphone	1	22 Front grille	1	34 Gear box	2
11 Left side window	1	23 Water gun	1	35 Anti-roll bar	2
12 Water tank	1	24 Side step	2	36 Windshield	1

Assembly

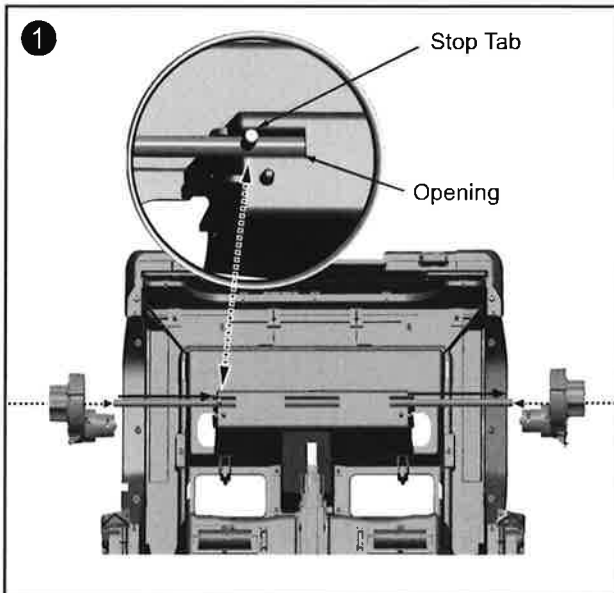


WARNING

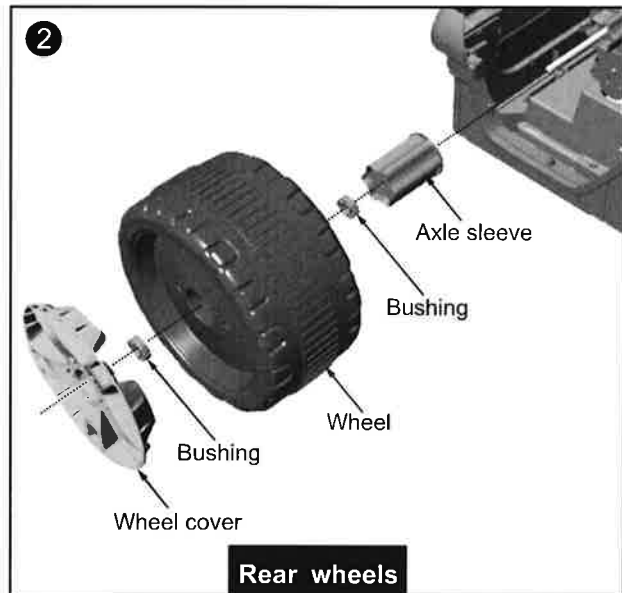
Children can be harmed by small parts, sharp edges and sharp points in the vehicle's unassembled state, or by electrical items. Care should be taken in unpacking and assembling the vehicle. Children should not handle parts, including the battery, or help in the assembly of the vehicle.

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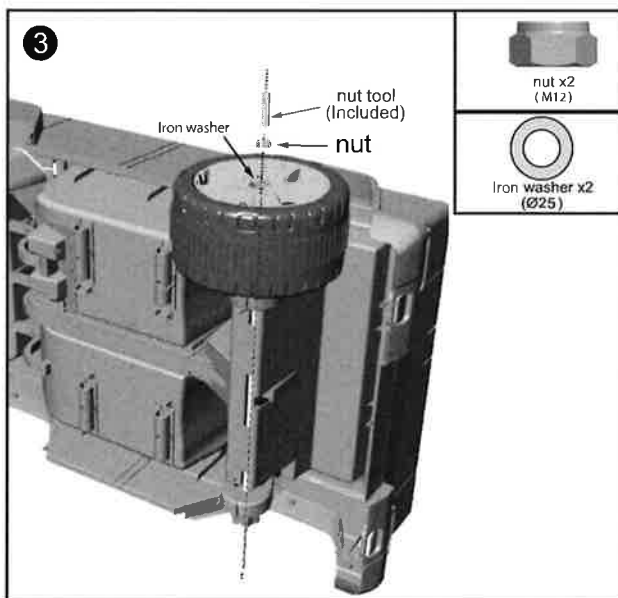
Assembly I



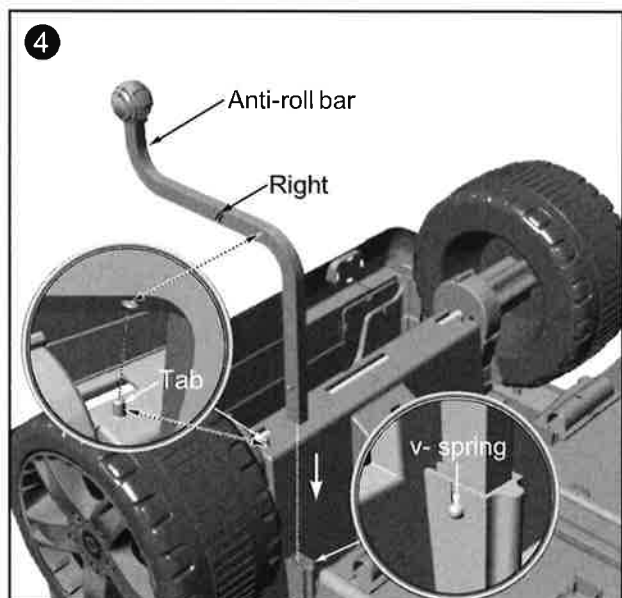
- Slide the rear axle through the axle hole as shown. The axle stops when the stop tab on axle is fit into the opening. Place the gearbox onto the rear axle at two ends.



- Assemble all the parts in sequence as picture shown. Repeat process for other side.



- Place nut over axle and tighten by using nut tool. Repeat process for other side.

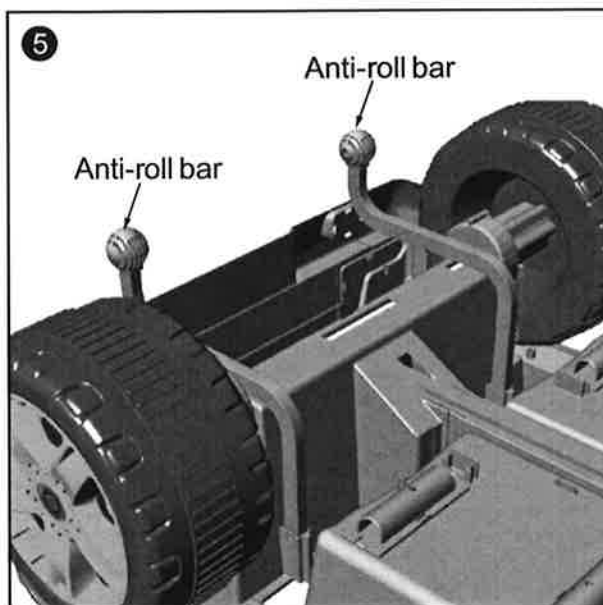


- Align the v-spring and tab. Insert Anti-roll bars into slots on main body until you hear a "click" sound.

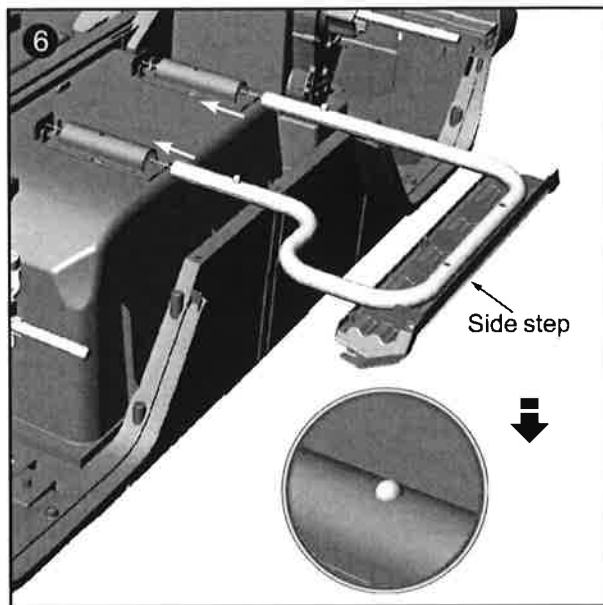
Assembly

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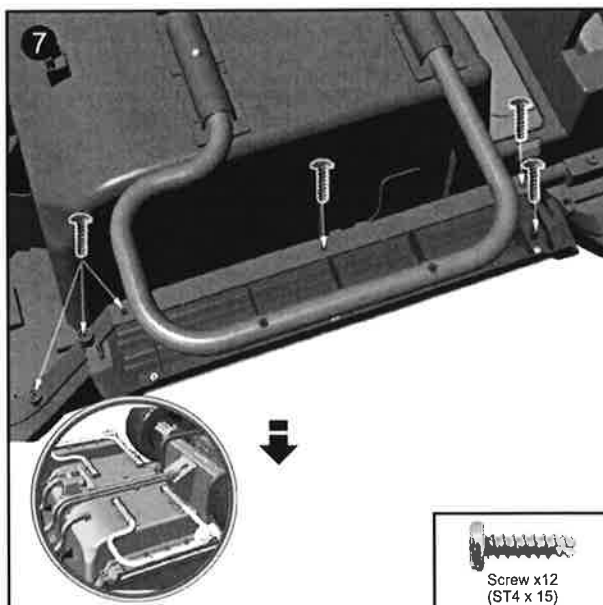
Assembly II



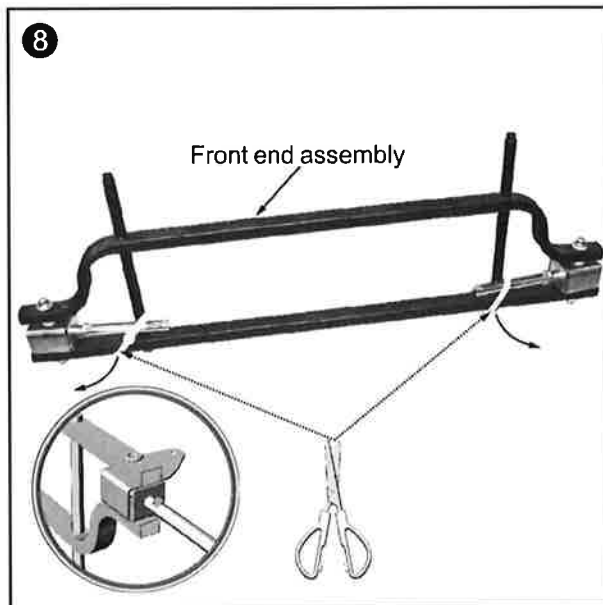
- Anti-roll bars installed.



- Fit the ends of side step bar into the slots until you hear a "click" sound. Repeat process for other side.

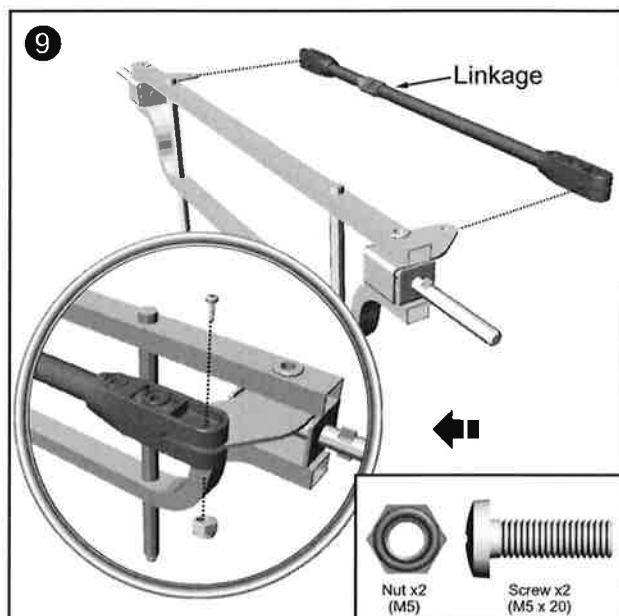


- Insert 6 screws into the tabs and tighten them. Repeat process for other side.



- Cut both ties and pull out front axles.

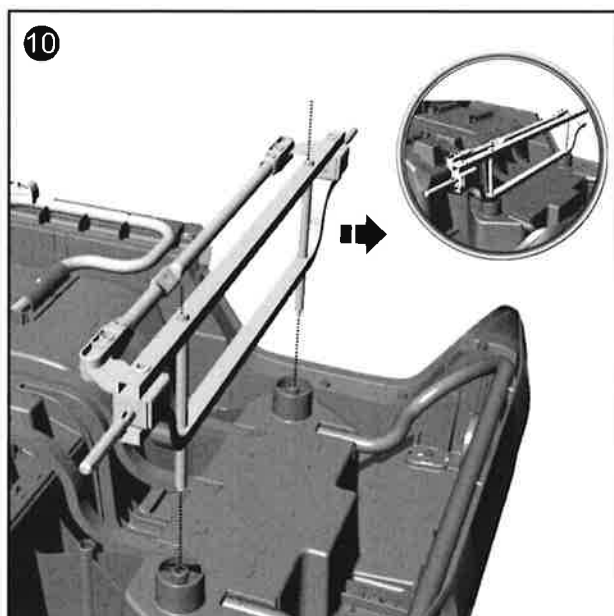
Assembly



- Install linkage and tighten with screws and nuts on both sides.

⚠ WARNING:

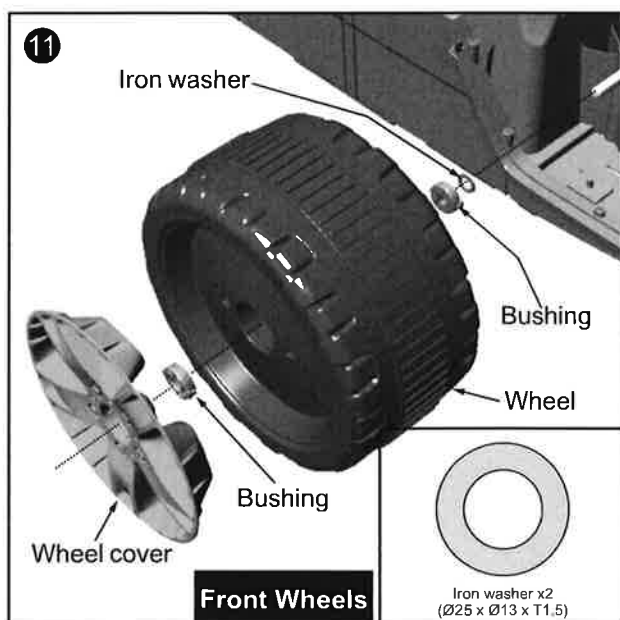
Never mistake the parts assembly sequence and direction.



- Insert front end assembly into slots.

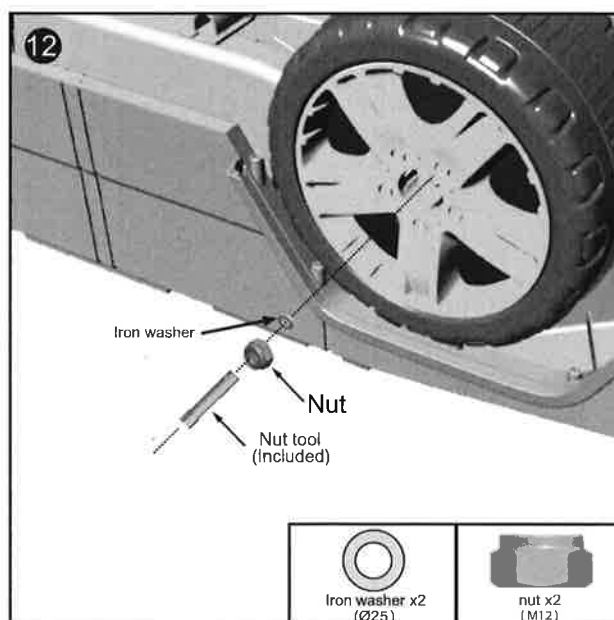
⚠ WARNING:

Never mistake the parts assembly sequence and direction.



- Assemble all the parts in sequence as shown.

Repeat process for other side.



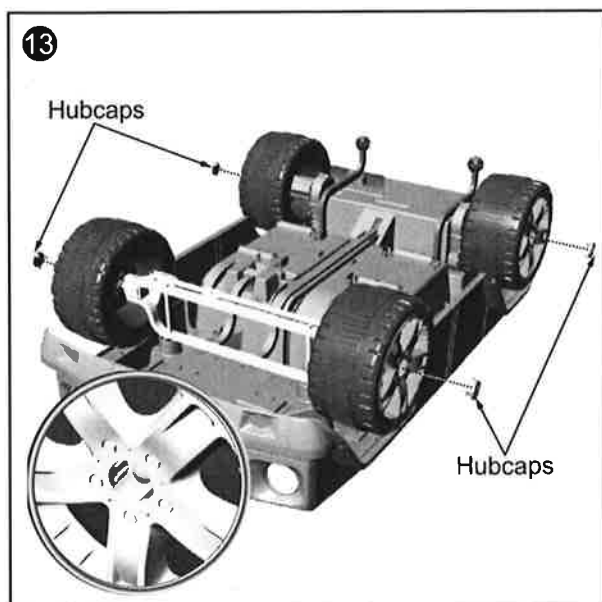
- Place nut over axle and tighten by using nut tool.

Repeat process for other side.

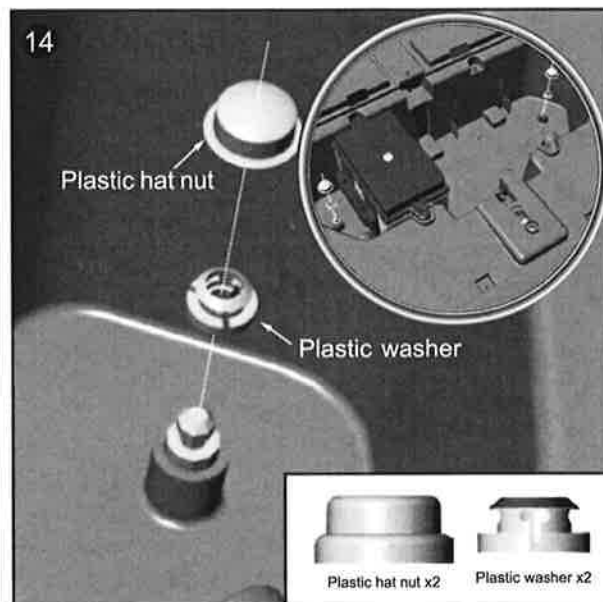
Assembly

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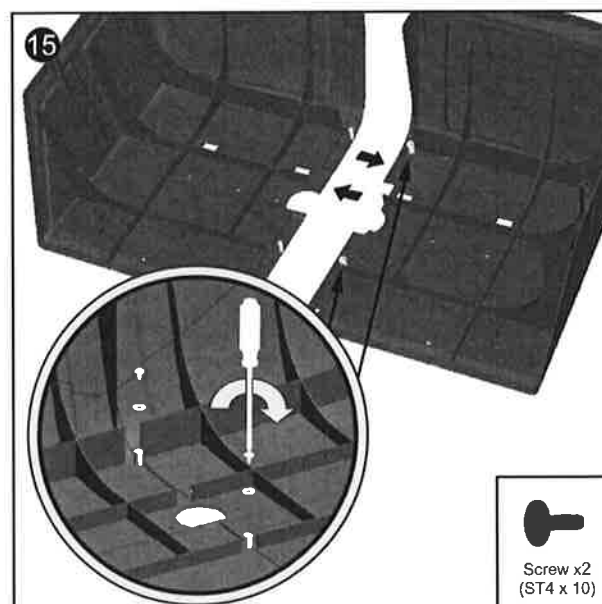
Assembly IV



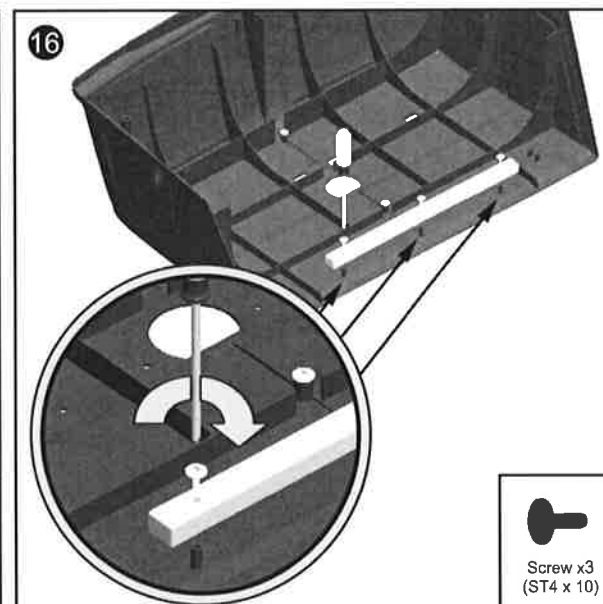
- Align the rib in a hubcap with the slot in the wheel cover. "Snap" a hubcap into the center of each wheel cover.



- Turn the vehicle upside down. Insert the plastic washers to slots on both pillars and cover with plastic cups in the battery compartment.



- Align and connect the left and right half of the hood with screws.

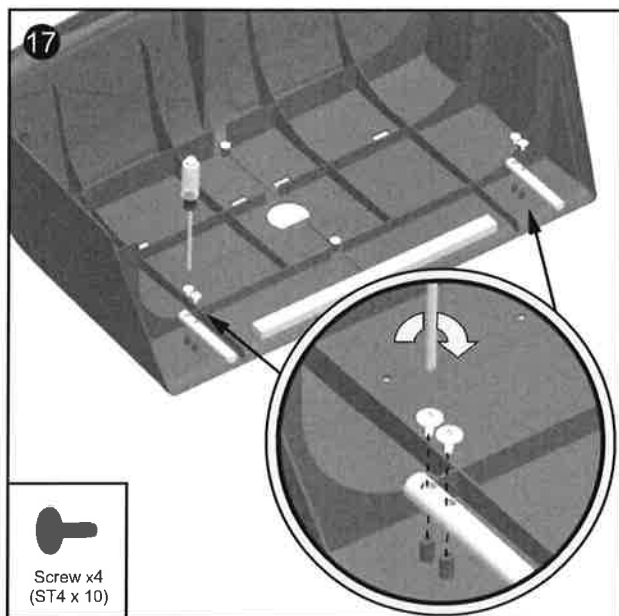


- Put the metal bar in place, as shown. Tighten it with screws.

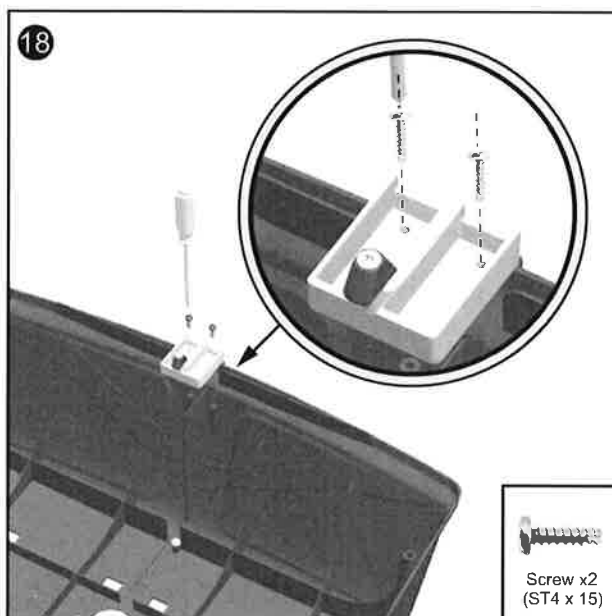
Assembly

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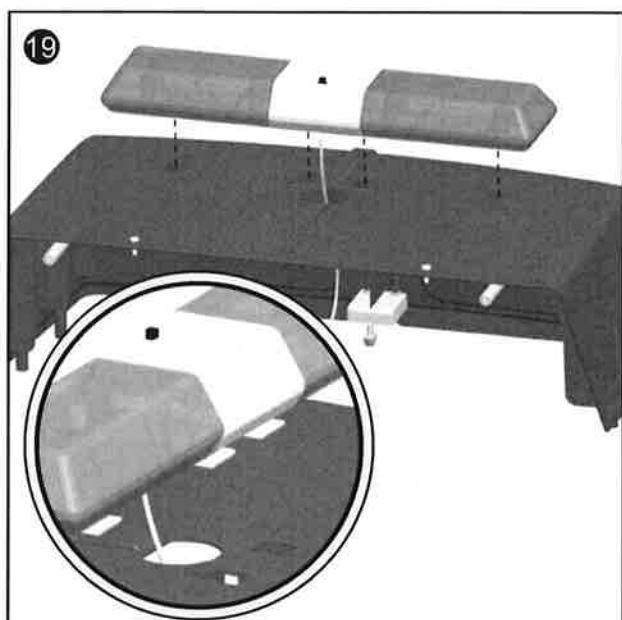
Assembly V



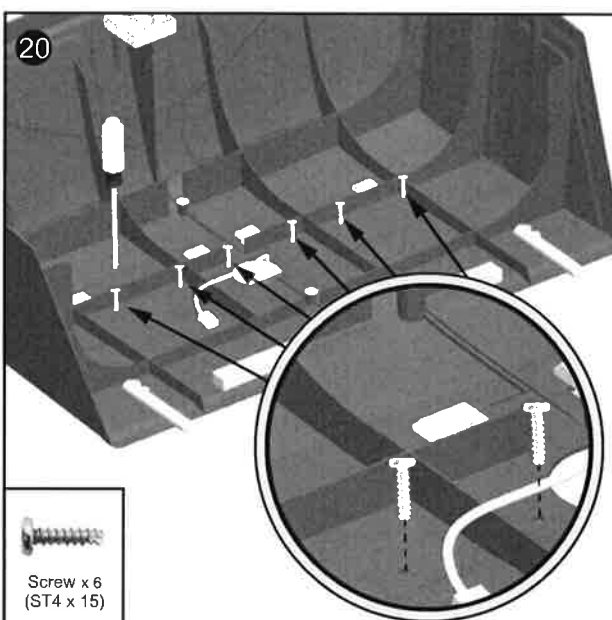
- Put the two small metal rods in place, as shown. Tighten each with screws.



- Fit the hood lock to the front hood in place, as shown. Tighten with screws.



- Fit the siren to the top of the hood. Make sure the 4 tabs on the siren are fit into the openings on the hood. Insert the siren cable through the hole.

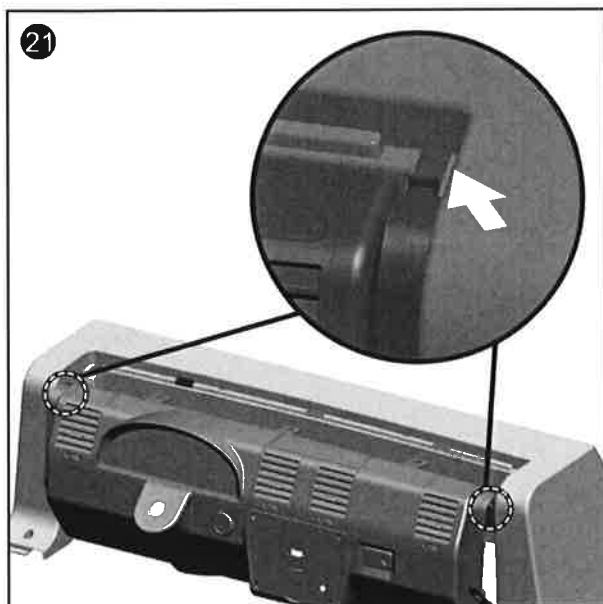


- Turn the hood upside down. Fasten the siren to the hood with six screws.

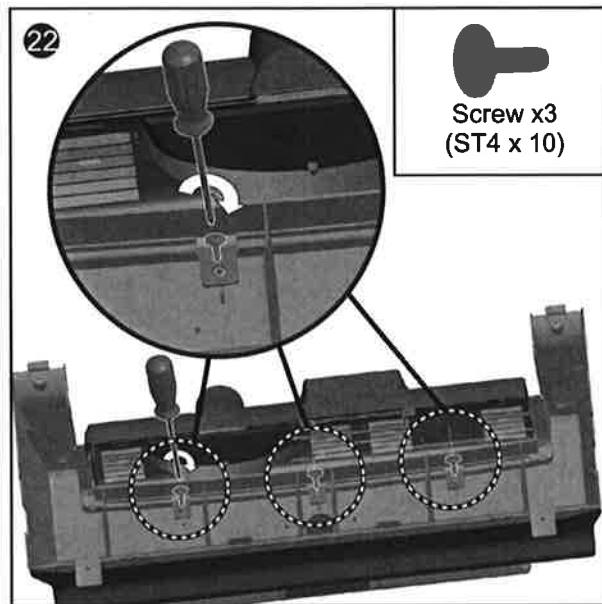
Assembly

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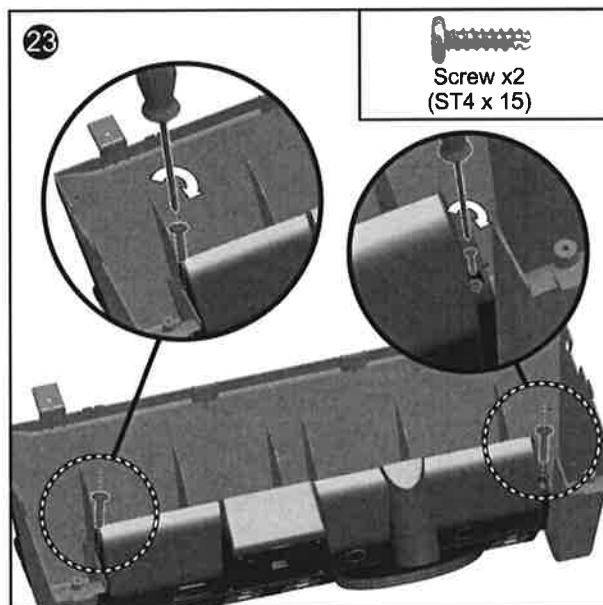
Assembly VI



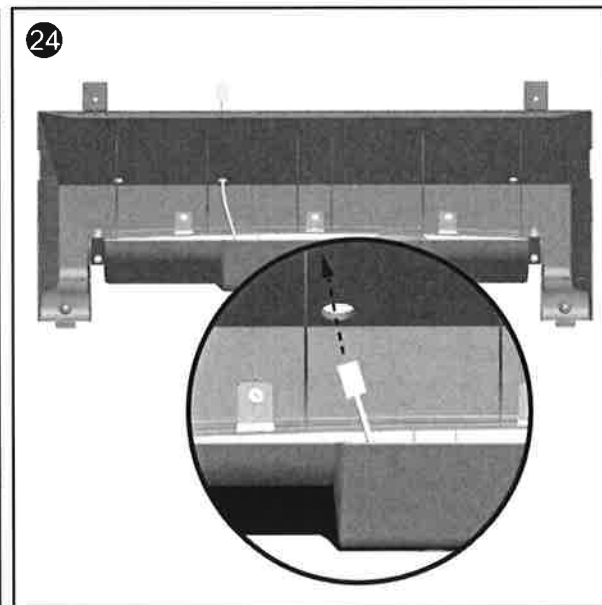
- Align the dashboard to the windshield. Make sure the hooks on each end of the dashboard is in place.



- Turn the windshield upside down. Insert 3 screws into the tabs and tighten them.



- Insert 2 screws into the tabs and tighten them.

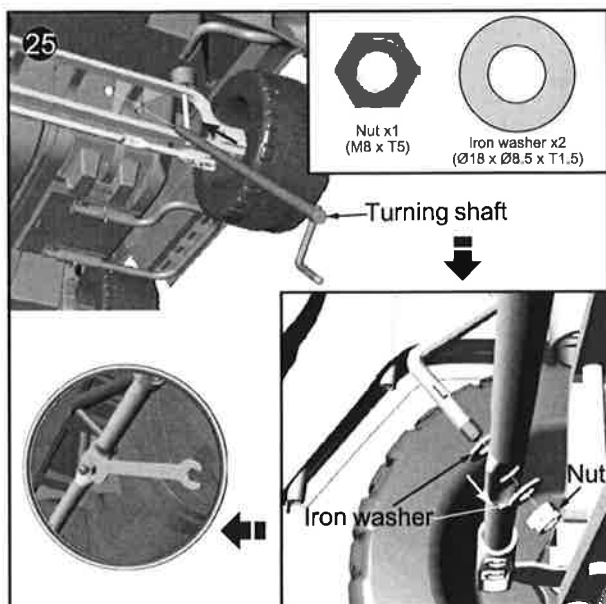


- Insert the dashboard cable through the opening on the windshield.

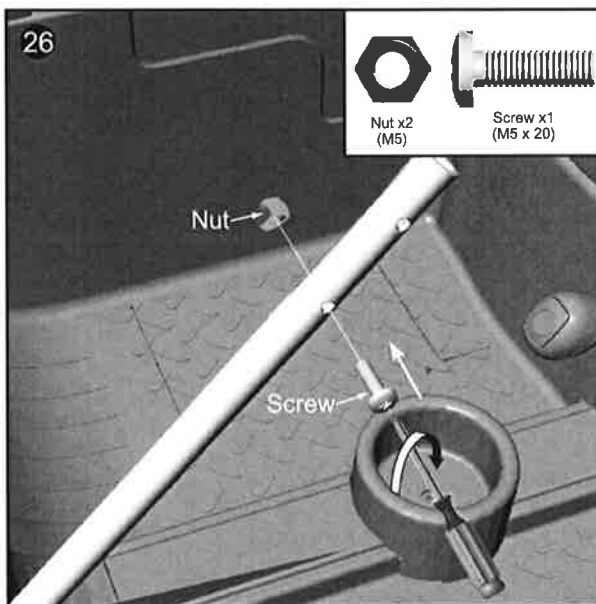
Assembly

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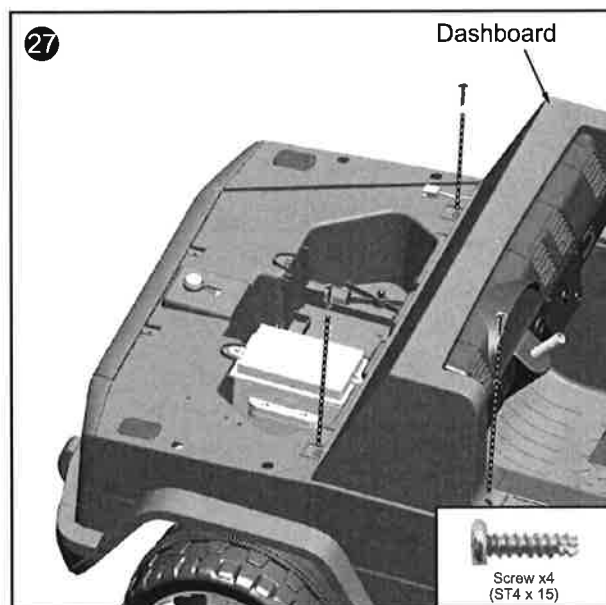
Assembly VII



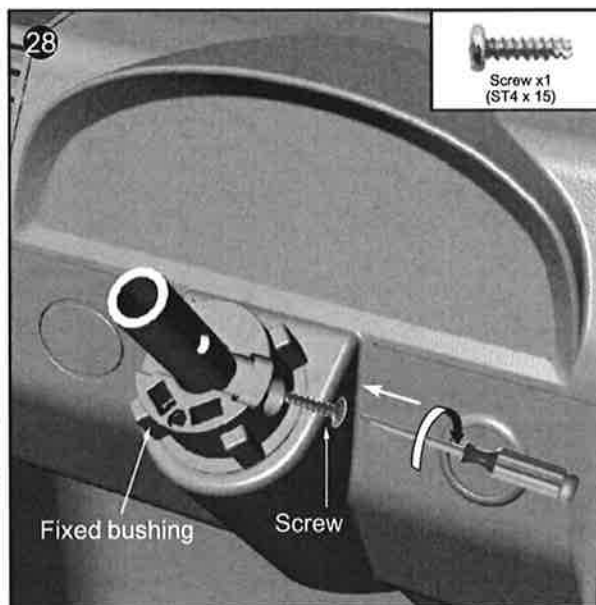
- Insert turning shaft through the hole of linkage with washers and nut.
Tighten the nut by wrench included.



- Insert the screw through the hole of turning shaft and fasten it with nut.



- Put the dashboard through the turning shaft and position it on the body, and then fasten it with screws.

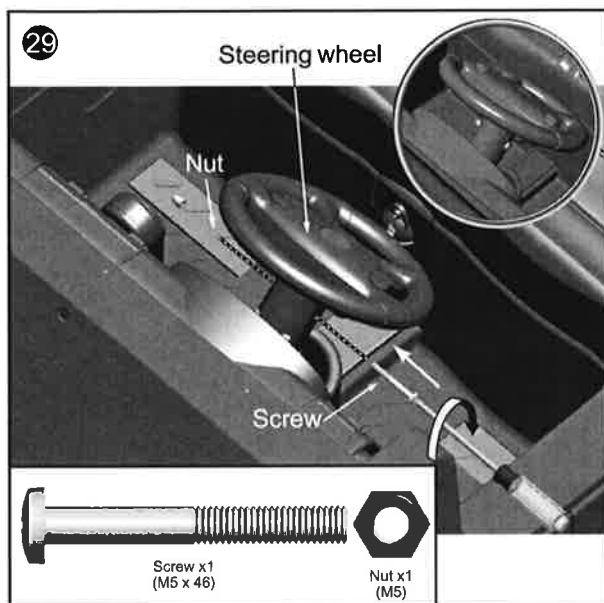


- Put the bushing into the turning shaft and fasten it with screw.

Assembly

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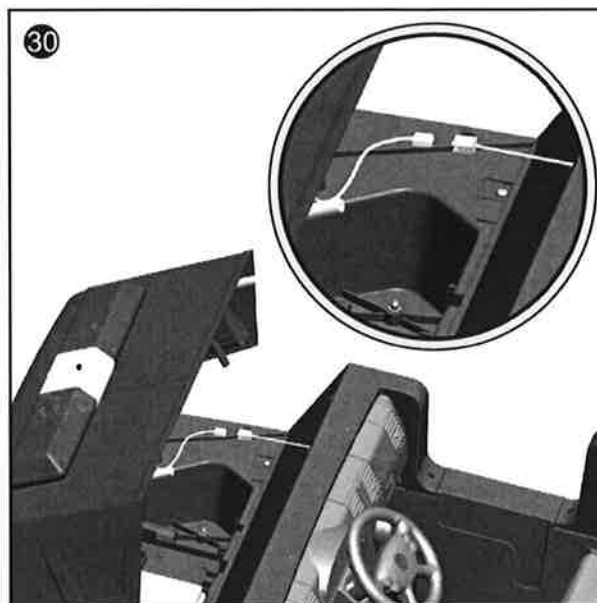
Assembly VIII



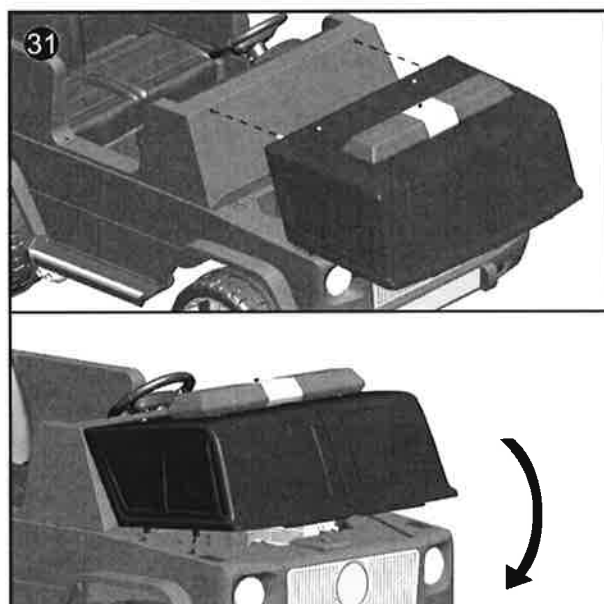
- Place the steering wheel onto the turning shaft and fasten it with bolt and nut.

⚠ WARNING:

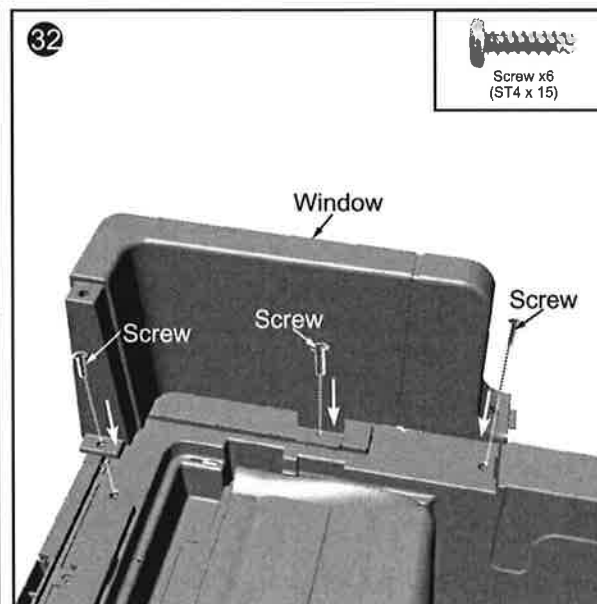
Never mistake the parts assembly sequence and direction.



- Hold the hood close to the windshield, and connect the two cables.



- Align and fit the tabs on the top of the hood to the slots on the top of windshield. Also, make sure the tabs on left and right sides of the hood fit into the sides of the truck cab. Close the entire hood.

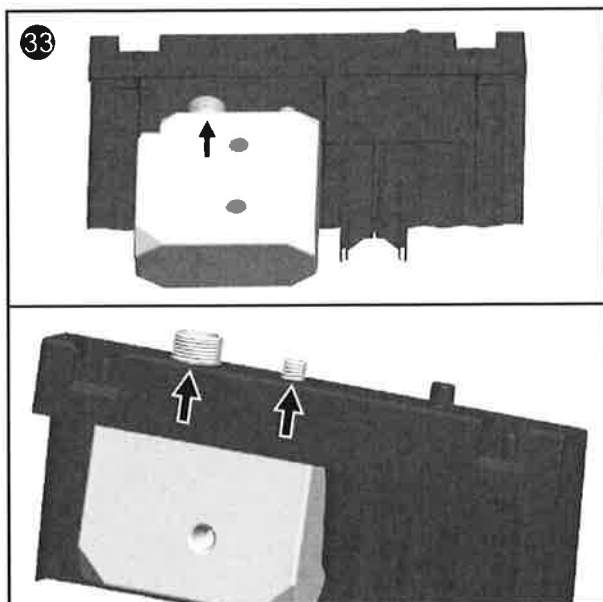


- Place the left window on body and fasten with screws. Repeat process for other side.

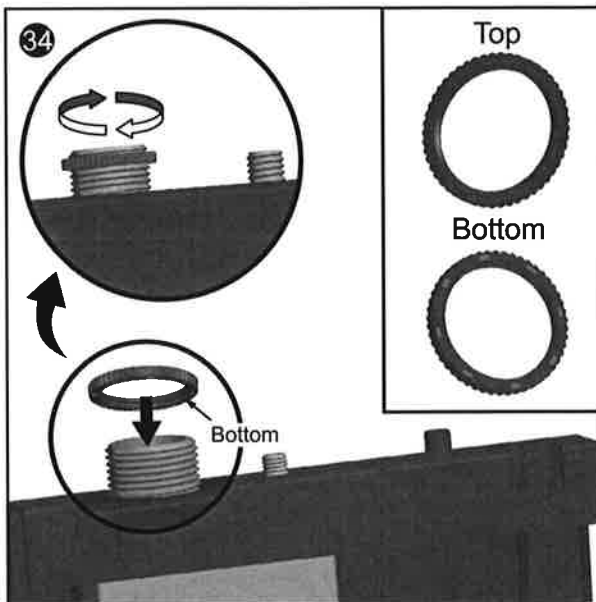
Assembly

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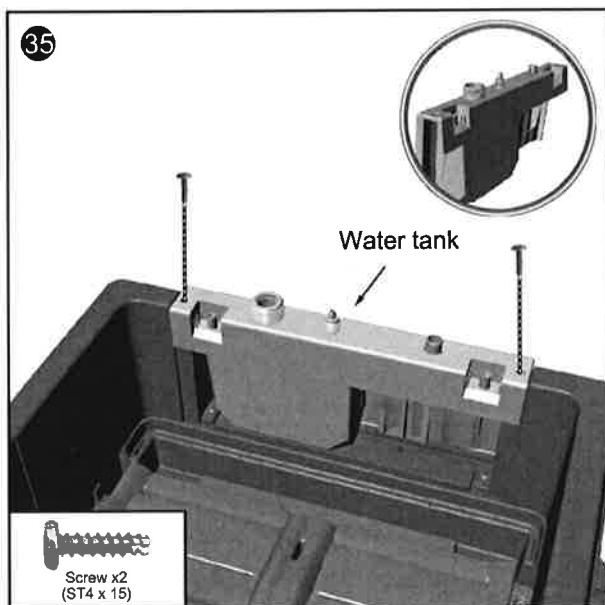
Assembly XI



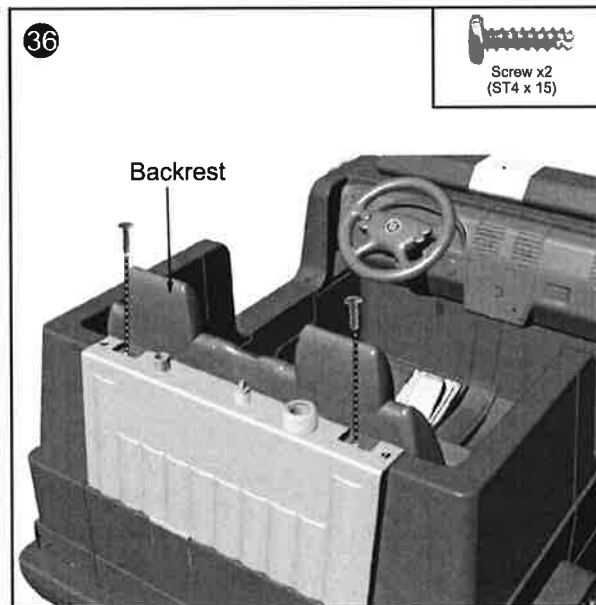
- Align the water tank onto the rear panel.



- Use the plastic screw ring and secure the large cap.



- Place the water tank at the rear between the two side windows and fasten it with screws.

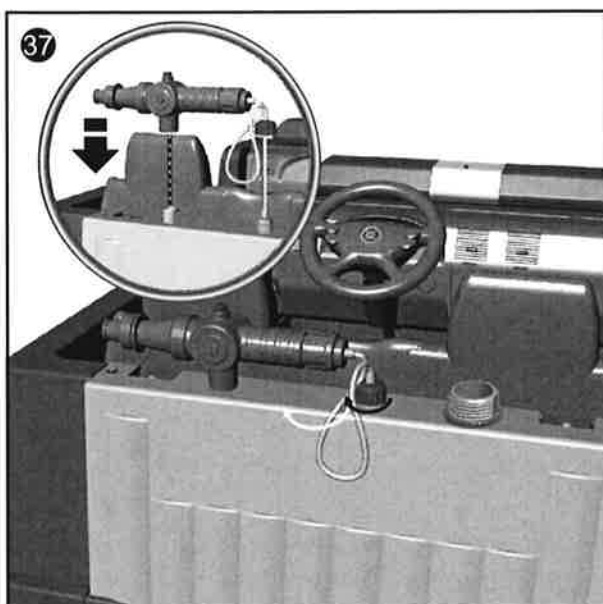


- Insert the backrest into the slot and fasten with screws.

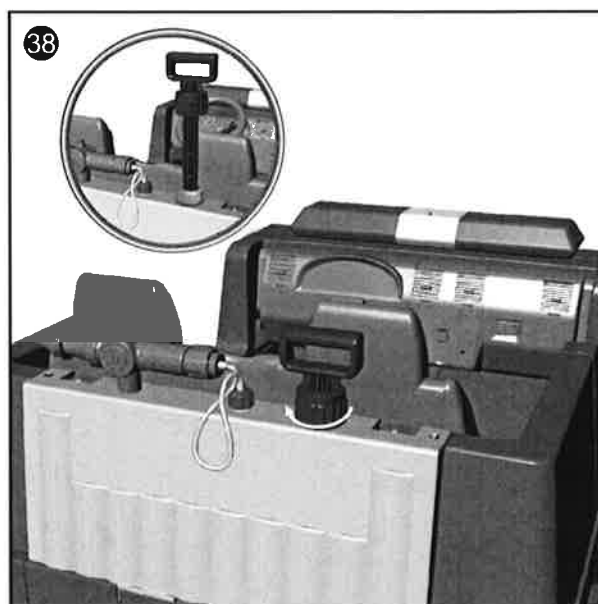
Assembly

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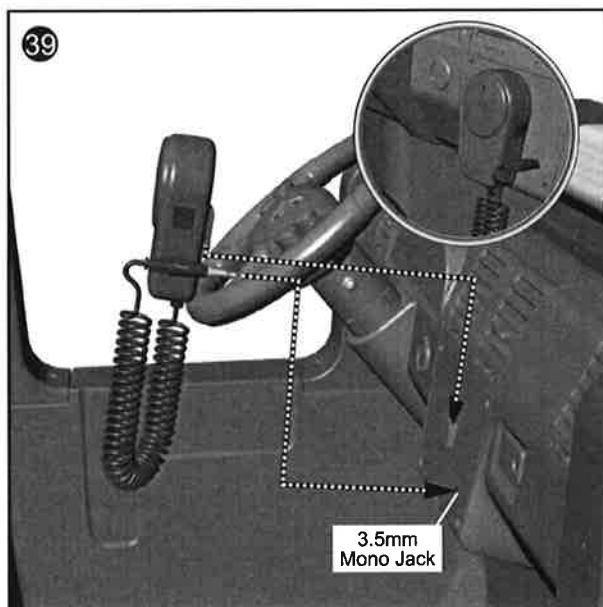
Assembly X



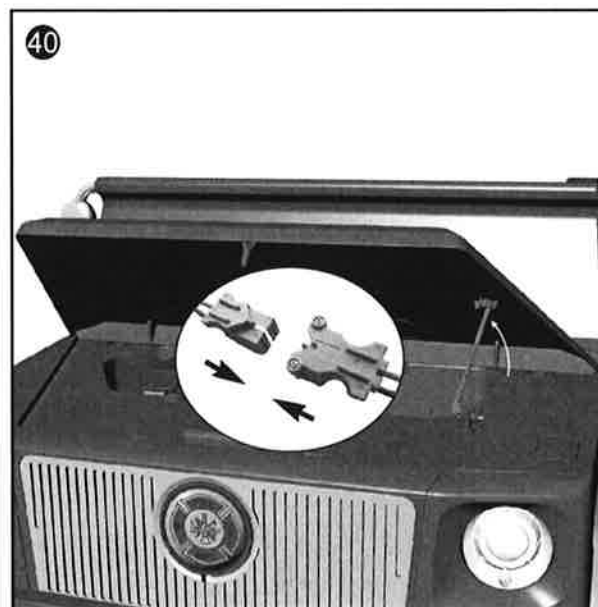
- Insert the valve cap from the water gun to the water tank and tighten it clockwise.



- Insert the water pump to the water tank and tighten it clockwise.



- Insert the microphone into the socket on the dashboard. Note: There is a clip on the microphone to clip onto the dashboard.



- Open the hood and connect the plug.

Operating your Vehicle

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Operating your Vehicle

Forward

Push the shifter in downward position and press the accelerator slowly.

Reverse

Push the shifter in upward position and press the accelerator slowly.

High Speed

The high speed lock-out must first be removed. Afterwards push the shifter to the right and press the accelerator slowly.

Important tip

Make sure the vehicle has come to a complete stop before switching between "forward" and "reverse."

Beginner use - low speed

Vehicle has been pre-set to operate at low speed (2.5 mph, (4 kph) maximum). Once your child has mastered safe driving skills and understands the Safe Driving Rules, the high speed lock out screw can be removed to allow the vehicle to operate at both high and low speeds.

Advanced use - disconnecting the high speed lock-out

Removing the high speed lock-out screws will allow the vehicle to be driven at the higher speed (5 mph, (8 kph) maximum) as well as the lower speed (2.5 mph, (4 kph) maximum).

However, prior to removing the screw, be sure your child can safely steer and operate the vehicle and knows the rules for safe driving.

Caution: High speed lock-out screws removing must be done by an adult!

Stop

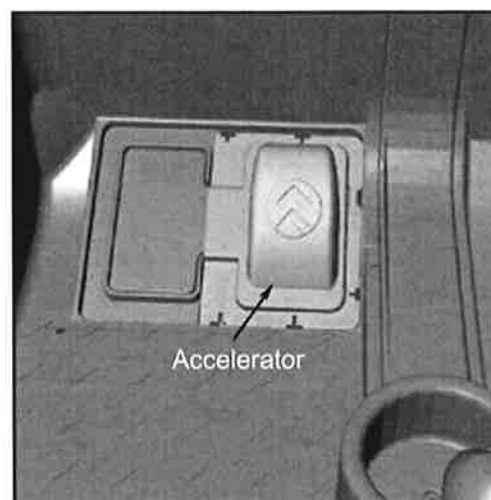
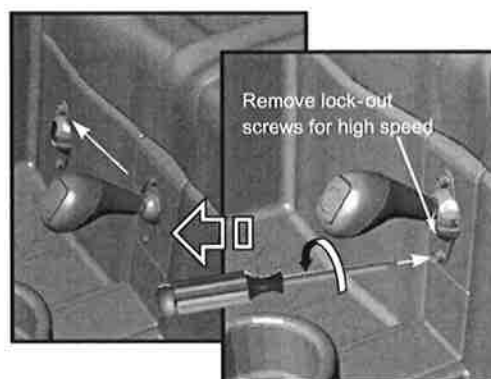
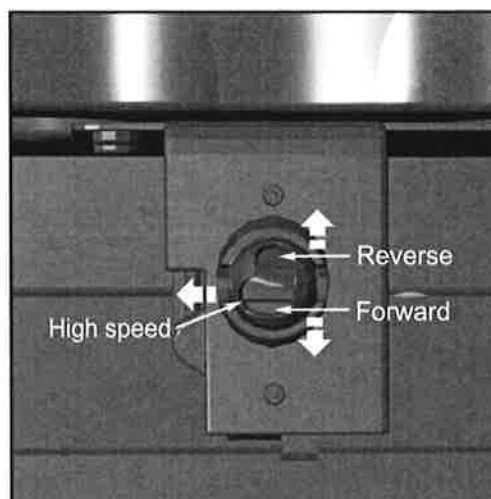
Vehicle will automatically stop after the accelerator is released.

Safety devices

AUTO POWER OFF. If the motor is overloaded for any reason, including improper usage, an electrical circuit breaker will automatically cut off the power, then resume after the parts have cooled!

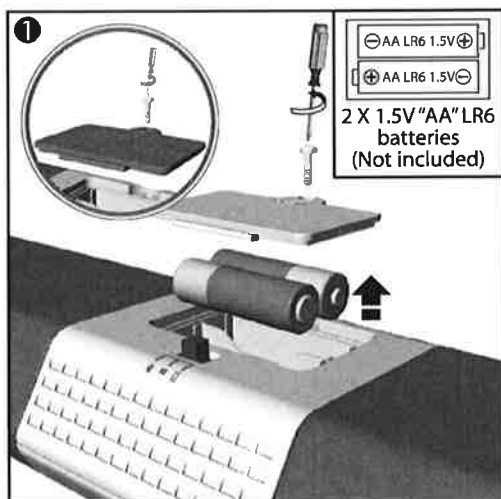
Maintenance

- Clean with a dry, soft cloth only. Do not wash with water or corrosive agents.
- Store vehicle in a dry area when not in use, since moisture could cause the metal components and electrical parts to corrode.

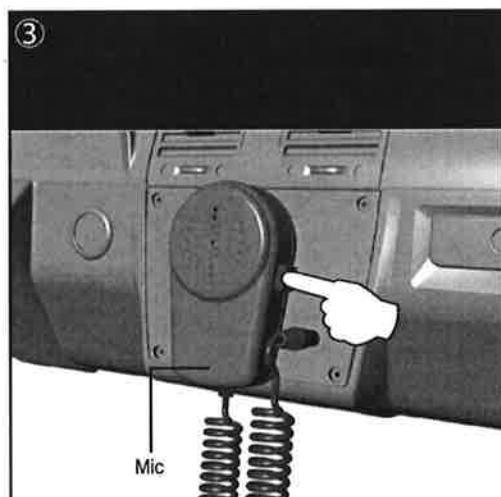


- Remember to charge the battery monthly while the vehicle is not in regular use.
- Check and tighten all screws and coverings regularly.
- Check all plastic parts for cracks. Replace as necessary.

Operating your Vehicle

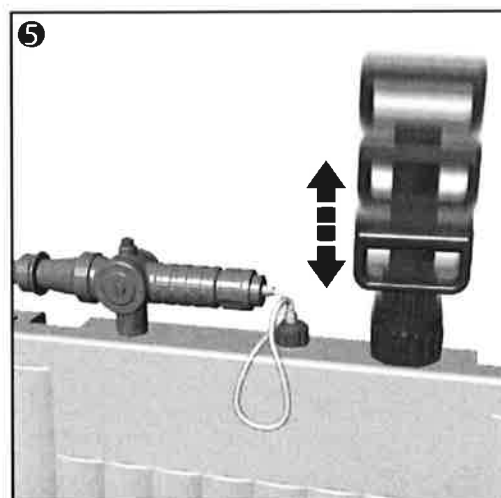


- Use a philips screwdriver to the screw and turn counterclockwise to open the battery compartment. Replace batteries as needed.



- Operation of microphone.
 1. Push button on microphone to speak.
 2. Release to turn off.

Note: When sound effects are turned on and microphone is active, sound effects will pause.

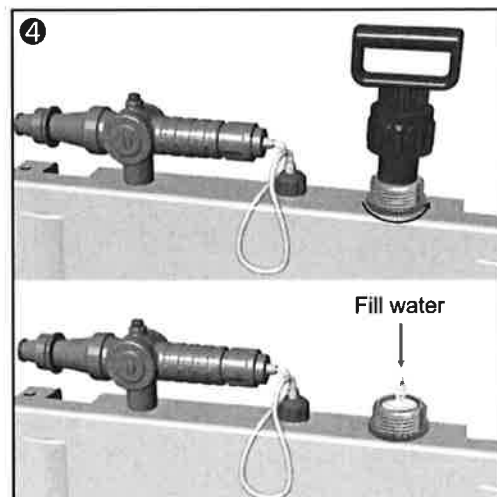


- Use up and down motion on the water pump to create water pressure on water gun.

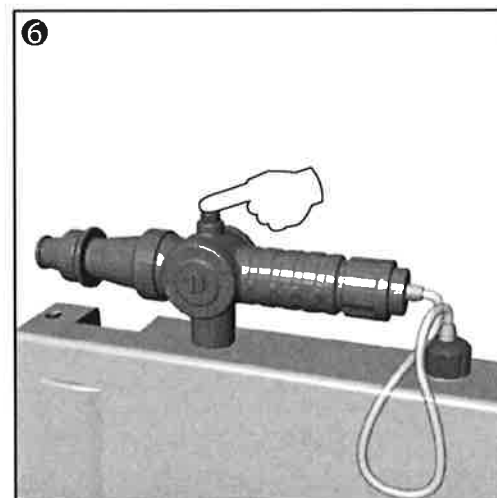
NOTE: Do not over pump maximum of 20-25 pumps per use.



- Modes of switch. 1. Left = Sound effect #1
2. Center = Off
3. Right = Sound effect #2



- Refill water into water tank.
 1. Un-tighten the water pump counterclockwise and remove from water tank.
 2. Fill water into water tank.
 3. Insert water pump to water tank and tighten clockwise.



- Push button on water for use.

NOTE: Avoid spraying the microphone and siren light with water. DO NOT get water on motors and electrical components.

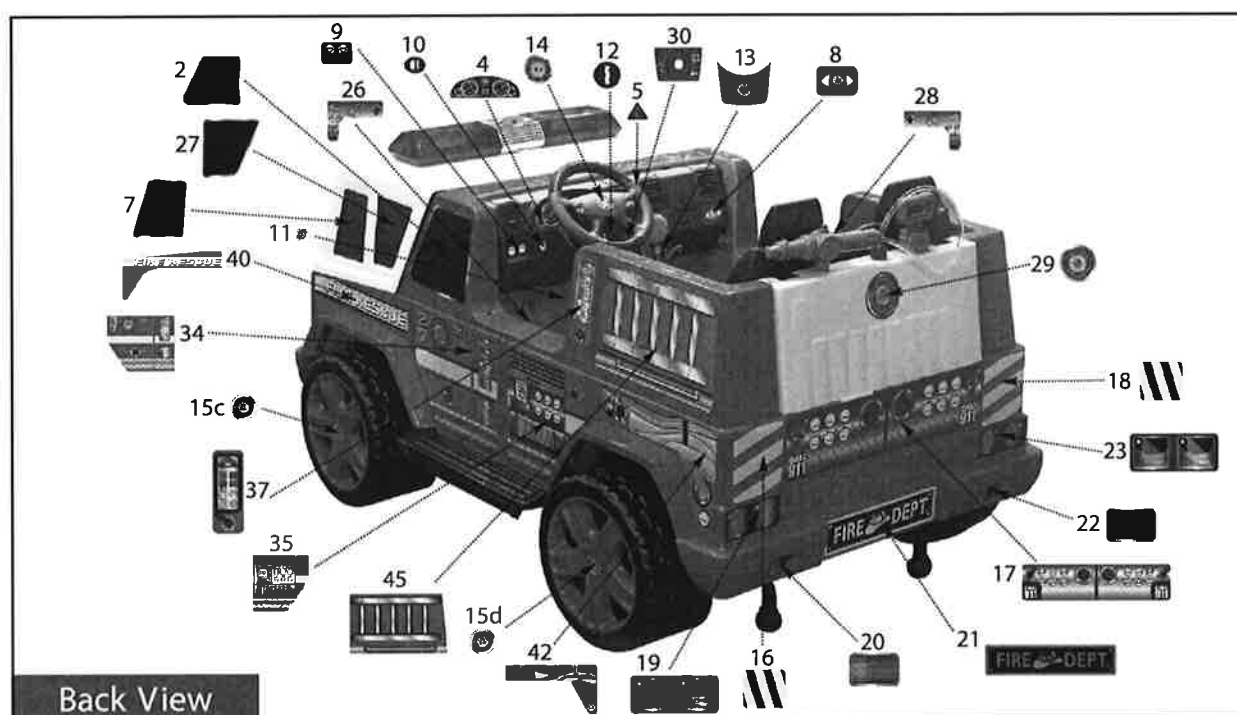
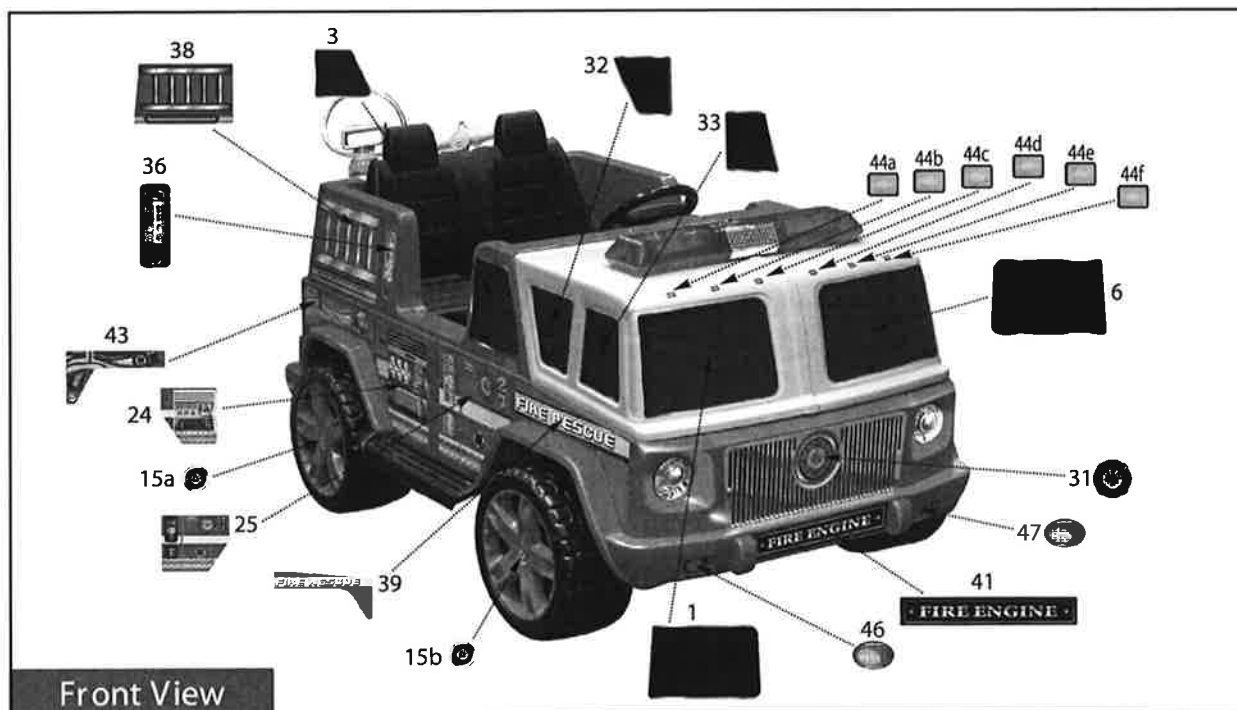
Label Decoration

Proper label application will help to keep the labels looking their best! When applying labels, keep the following guidelines in mind:

- Wash your hands before applying the labels.
- Before applying the labels, wipe the surface of the vehicle with a clean, dry cloth to remove any dust or oils.
- Place the labels exactly as shown in the illustrations.
- For best results, avoid repositioning a label once it has been applied to the vehicle.
- After applying a label, rub the label firmly with a clean, dry cloth to make sure the label is adhered to your vehicle. Start at the center of a label, and smooth towards the outer edges to remove air bubbles.

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Label Decoration



Troubleshooting

IMPORTANT! If you experience a problem with your vehicle, first check the Problems and Solutions Guide below. If you still experience a problem, please contact NPL® Service Center, Toll-free at **1-877-743-3899** from 9 AM to 5 PM (PST) Monday through Friday. Or email us **customerservice@funcreation.net** or visit us **www.funcreation.net** for assistance and information from our trained technical staff. (The warranty and customer service contact in this manual only apply in the United States and Canada.)

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Troubleshooting I

Problem	Possible Cause	Solution
Car does not move	Circuit breaker tripped	Circuit breaker may "trip" and stop the vehicle if it is overloaded or the driving conditions too severe. The breaker will automatically reset after approximately 10 seconds, and the vehicle will operate normally. To avoid repeated automatic shutdowns, do not overload the vehicle by exceeding the weight limit of 130lbs (59kg), or by towing anything behind the vehicle. Do not drive uphill or run into fixed objects, which can cause the wheels to stop spinning while power is still being supplied to the motors. If breaker continually trips, contact your NPL® Service Center.
	Loose wire or connectors	Check all wires and connectors. Make sure that the motor harness connector is plugged in tightly to the battery, and that there are no loose wires around the motor.
	Dead battery	An old or improperly charged battery may be dead. If you are unsure whether it is dead or not, you can have it tested at your NPL® Service Center.
	Undercharged battery	A new battery should have been charged for at least 18 hours before using the vehicle for the first time. After that, it must be recharged for at least 12 hours after each use. Never charge longer than 24 hours. Check all connectors; make sure the charger is plugged into the wall. Make sure the power flow to the outlet is on.
	Charger is not working	You must have a voltmeter in order to tell whether the charger is working or not. If you think there may be a problem with the charger, take it to the NPL® Service Center where they will test it for you.
	Electricity switch damages	When exposed to water or moisture, electricity can become corroded, or can jam due to loose dirt, sand or gravel. Contact your NPL® Service Center for diagnosis and repair.
Car was running but suddenly stopped	Loose wire or connectors	Check all wires and connectors. Make sure that the motor harness connector is plugged into the battery tightly, and that there are no loose wires around the motor.
	Circuit breaker tripped	Circuit breaker may "trip" and stop the vehicle if it is overloaded or the driving conditions too severe. The breaker will automatically reset after approximately 10 seconds, and the vehicle will operate normally. To avoid repeated automatic shutdowns, do not overload the vehicle by exceeding the weight limit of 130lbs (59kg), or by towing anything behind the vehicle. Do not drive uphill or run into fixed objects, which can cause the wheels to stop spinning while power is still being supplied to the motors. If breaker continually trips, contact your NPL® Service Center.

Troubleshooting

Problem	Possible Cause	Solution
Short operating time (less than 1 hour per charge)	Undercharged battery	A new battery should have been charged for at least 18 hours before using the vehicle for the first time. After that, it must be recharged for at least 12 hours after each use. Never charge longer than 24 hours. Check all connectors; make sure the charger is plugged into the wall. Make sure the power flow to the outlet is on.
	Overcharged battery	Never charge battery longer than 24 hours. If you think the battery may be damaged due to overcharging, contact NPL® Service Center for testing.
	Old battery will not accept a full charge	Even with proper care, a rechargeable battery does not last forever. Average battery life is 1 to 3 years depending on vehicle use and use conditions. Replace the battery with a new NPL® 12 volt rechargeable battery. Do not substitute parts. To get a replacement battery, please contact NPL® Service Center.
Vehicle is sluggish	Undercharged battery	A new battery should have been charged for at least 18 hours before using the vehicle for the first time. After that, it must be recharged for at least 12 hours after each use. Never charge longer than 24 hours. Check all connectors; make sure the charger is plugged into the wall. Make sure the power flow to the outlet is on.
	Battery needs charging	Be sure to charge the battery after each use.
	Old battery will not accept a full charge	Even with proper care, a rechargeable battery does not last forever. Average battery life is 1 to 3 years depending on vehicle use and use conditions. Replace the battery with a new NPL® 12 volt rechargeable battery. Do not substitute parts. To get a replacement battery, please contact NPL® Service Center.
	Vehicle is overloaded	Allow no more than 2 riders at a time, follow the 130 lbs (59 kg) weight capacity and do not tow anything behind the vehicle.
	Driving conditions are too stressful	Use only on a generally level ground.
Only one rear wheel spins	Vehicle is operating in low speed	It is possible that only one rear wheel may spin when both rear wheels are raised off the ground and the vehicle is in low speed. This does not necessarily indicate a problem. Check for proper operation of the drive system by raising the rear wheels off the ground and pressing the foot pedal. If only one rear wheel spins, carefully press your hand on the spinning wheel to slow it down. The other rear wheel should begin to spin. If the other rear wheel does not begin to spin, there may be a problem with the vehicle. Contact NPL® Service Center for diagnosis and repair.

Troubleshooting

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Troubleshooting III

Problem	Possible Cause	Solution
Intermittent vehicle operation	Loose wire or connector	Check all wires around the motors and all connectors to make sure they are tight.
	Motor or electrical switch damage	Contact your NPL® Service Center for diagnosis and repair at 1-877-743-3899.
When the go foot pedal is pressed, the vehicle won't run without a push	Loose wire or connector	Check all wires around the motors and all connectors to make sure they are tight.
	"Dead Spot" on motor	Contact your NPL® Service Center for diagnosis and repair at 1-877-743-3899.
Motor gear box makes a loud grinding or clacking noise	Broken gears	Contact your NPL® Service Center for diagnosis and repair at 1-877-743-3899.
Charger gets warm during use	This is normal and should not be a concern.	No action required.
Battery makes gurgling or sizzling noise while charging	Some noise and swelling is normal and should not be a concern	No action required. If the battery does not make noise while charging, it does not mean it isn't accepting the charging.

If, after reviewing the Problems and Solutions Guide, the vehicle still fails to operate, please contact your NPL® Service Center toll-free at 1-877-743-3899.

Note! For faster service when calling Consumer Relations, completely charge the battery before calling and have the following available by the phone:

Vehicle

Vehicle model number

Vehicle production run number

(The warranty and customer service contact in this manual only apply in the United States and Canada.)