Please completely read and understand the entire manual before using, assembling and/or disassembling your remote controlled car.

1/24th Scale Radio Controlled Electric Vehicles

INSTRUCTION MANUAL

1/24 RADIO CONTROLLED ELECTRIC VEHICLES

READY TO RUN
2.4GHz RADIO SYSTEM

BUGGY

SAND TRUCK

TRUGGY

TRUCK

FEATURES AND SPECIFICATIONS

- Shaft-Drive 4WD
- 2.4GHz Radio System
- 4-Wheel Independent Wishbone Suspension
- Spring Coil Shocks
- High Grip Performance Wheels
- Powered By Four AA Batteries (not included)
- Driven By RC 131 Motor

- Length: 167mm (buggy/truggy), 160mm (truck/baja)
- Width: 121mm (buggy), 128mm (truggy), 130mm (Truck/baja)
- Height: 75mm (buggy/truggy), 72mm (truck/baja)
- Wheel Base: 102mm
- Tyre Diameter: 48mm
- Gear Ratio: 17:1 (8T motor pinion used), 13.6:1 (10T motor pinion used), 11.3:1 (12T motor pinion used)

- This product is not a toy. It is not intended for persons under 14 years of age, unless closely supervised by an adult.
- This manual is subject to change without prior notice.
TOOLS AND BATTERIES (NOT INCLUDED)

You will need to purchase additional tools and batteries for both the radio controller and the car.

- Batteries (For car)
- Batteries (For radio controller)
- Small Cross Wrench
- Screwdriver
- Body Cutter
- Wire Scissors

- Ni-MH rechargeable battery is strongly recommended for best performance.
- Alkaline batteries are acceptable for the remote control.

GETTING FAMILIAR WITH YOUR CAR

- Shaft-Drive 4WD
- Spring Coil Shocks
- Wishbone Suspension
- Mini Servo (9g)
- Motor RC 131
- AA size battery powered
- Solid Drive Shaft
- Skilled Steering Hub
- Stylish Off Road Tyre Tread

- Mini Upper Deck
- Compact Shock Towers
- Solid Front Bumper

- The receiver switch is located on the bottom.
GENERAL INFORMATION

- This user’s manual is designed for use with your vehicles and contains the instructions you will need to assemble, operate and maintain your vehicles.

- We know you are anxious to start driving, but it is very important that you take time to read the manual even if you are an experienced R/C driver.

- Carefully read and follow all instructions in the manual. Failure to follow the instructions will be considered abuse and/or neglect and may void the warranty.

- Your vehicle is designed to run on uneven or rough terrain. However dust, sand, water and carpet fibres can lodge in the working parts of your cars and can damage your vehicle if not removed promptly. We do not warranty your vehicle from damage due to outside elements including sand, dirt or water. The users are responsible for the maintenance and safe operation of this vehicle.

- This product is not a toy. It is not suitable for users under 14 years old unless they are supervised by adults.

- Never attempt to re-assemble the motor, ESC, and receiver. These have been carefully calibrated at the factory.

- Only use manufactured parts to upgrade your car. If you perform a drive train upgrade, replace the entire system (Such as motor, ESC, receiver and the like) so that all components are properly matched. Any malfunction incurred by custom modification will void your warranty.

- Before driving your vehicle, please read this manual completely and examine your vehicle and radio control for any defects.

- For better performance, some adjustment may be necessary.

- This vehicle requires four AA batteries (not included). Make sure the vehicle’s batteries have a sufficient charge before driving or possible loss of control may result.

- To avoid battery leakage, always remove batteries from the vehicle and remote when not in use.

- Please operate your vehicle in a spacious area. Never operate your vehicle in crowded street.

- This product is fully assembled at factory. We do not take any responsibility for damage and/or accidents that occur as the result of custom modifications and/or incorrect operation.
We want users to enjoy our RC vehicles and to operate them with care. Failure to operate your vehicle in a safe and responsible manner may result in injury to yourself, others or damage to property around you.

- Read and understand all instructions carefully before use and assembly/disassembly.
- Do not run your vehicle on public roads or any area where you may encounter pedestrian or vehicle traffic.
- Do not operate in a congested area or in crowds.
- Do not operate your vehicle with obstructed line of sight, at night, or near water.
- Your vehicle is radio controlled. Radio waves are subject to interference. Radio interference can cause loss of control of your vehicle.
- Take care not to cut yourself while using tools to adjust or upgrade your vehicle.
- Since the model contains many small parts, keep out of reach of children while assembling and/or disassembling.
- When turning off your model, always turn off the receiver first, before turning off the remote control. Always remove the batteries from your vehicle and the remote control when not in use.
- If your vehicle becomes stuck, release the throttle, then retrieve it by hand.
- Do not continue to apply the throttle or you may damage the motor and/or the ESC.
- Turn off your vehicle and discontinue use if it runs erratically. Do not run it again until the issue has been found and resolved.
GETTING FAMILIARIZED WITH YOUR 2.4GHz RADIO SYSTEM

Your car is equipped with the new 2.4GHz radio system. Please read and understand all instructions below before operating.

A: Steering Wheel  1: Steering Trim  4: Power Switch  7: Throttle Reverse
B: Trigger  2: Steering Reverse  5: Steering Dual Rate  8: Green Indicator
C: Battery Case  3: Red Indicator  6: Throttle Trim  9: Bind(Pair) Key

**Steering Wheel:** It proportionally operates the model's right and left steering control.

**Battery Case:** It requires 3pcs of AA size batteries.

**Power Switch:** It is used to turn the radio controller ON/OFF

**Steering Dual Rate Dial:** It allows you to change the amount of steering servo travel compared to the amount of physical movement of the steering wheel.

**Throttle/Steering Trims:** They are used to adjust the center trim of the throttle/steering channel.

**Steering Reverse:** It allows you to electronically switch the direction of steering servo travel.

For example, if you move the steering wheel to the right and the steering servo moves to the left, flip the Steering Reverse Switch to make the steering servo move to the left.

**Throttle Reverse:** It allows you to electronically switch the direction that the motor operates in relation to the throttle trigger. For example, if you pull the throttle trigger to accelerate forward, but the model goes in reverse, flip the Throttle Reverse Switch to make the model accelerate forward.

**Trigger:** It controls the speed and braking ability of your car. Pull it to accelerate, release it to decelerate, and push it to brake. Pushing it a second time activates the reverse feature.

**Indicators:** It shows battery power level.

**Bind(Pair) Key:** It is used to bind your 2.4GHz radio system.

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**BATTERY INSTALLATION**

1) Slide the battery cover as shown, and according to the illustrations of polarities, install 3pcs of AA size batteries.

2) Replace the battery cover after batteries are installed.

**NOTES:**
- Use batteries of same type.
- Remove batteries from the case if not in use.
- Always check the battery power.
- Dispose of exhausted batteries properly.
TO BIND THE RECEIVER TO THE RADIO CONTROLLER

Perform the binding procedure, following the instructions below.

1) Turn on the receiver power switch, which is located on the bottom of the car.

2) Hold the Bind(Pair) key, switching on the radio power. This operation should be performed within 5 seconds after your receiver is turned on.

3) Green indicator goes flashing, meaning that the binding process is being performed in the system.

4) Red and green indicators being steady on means that your receiver is bound to your radio controller. Binding process is completed.
INSTALLING BATTERY COMPARTMENT AND PCB TO YOUR VEHICLE

This is for ADVANCED USERS ONLY. Do not attempt this upgrade unless you have experience with electronic soldering!

1. Connect the contacts of the battery compartments together with wires and solder. (See the soldering points as shown.)

2. Connect the PCB to the battery compartments with wires and solder. (See the soldering points as shown.)
   Note: Never re-assemble the PCB itself.

3. Install the PCB to the bottom of the vehicle.

4. Fasten the PCB in place. (Make sure not to wrap the wires)

5. Secure the battery compartment on one side with a screw. (Screw No.: 24101, see part list)

6. Secure the battery compartment on the another side. (Screw No.: 24101, see part list)

7. Cover the PCB mount after both battery mounts are installed.

8. Secure the PCB mount with the screws as shown. (Screw No.: 24109, see part list)
1. Insert the servo connector into the slot provided on the vehicle. (The slot on the top front of the vehicle)

2. Make sure the servo is correctly installed on the vehicle. Inspect all of the wires to ensure they are undamaged.

3. The parts (servo saver and the pin) are from Part Pack 24008 and Part Pack 24016. (See part list)

4. Use a needle nose pliers to fasten the pin onto the servo saver.

5. Press the servo saver onto the servo as shown.

6. Secure it with a screw. (Screw No.: 24112, see part list)
7. Install the servo in place as shown. (Make sure wiring configuration is correct.) Secure the servo with screws. (Screw No.: 24100, see part list)

8. The gears inside the servo are very small and precisely built with tight tolerances. Never force the steering on the front wheels by hand. Doing this can severely damage the servo.

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**BATTERY INSTALLATION OF YOUR VEHICLE**

Your vehicle is powered by four AA size batteries (not included).

Insert two AA size batteries into each of the two battery compartments. Be careful to insert them with correctly and match the polarity (marked + and -).

Replace each battery cover by pushing it gently until it snaps into place.

⚠️ **WARNINGS:**

1. Always switch off the power before remove the body and batteries.
2. Do not use damaged batteries.
3. Never attempt to charge non-rechargeable batteries.
4. Rechargeable batteries should only be charged under adult supervision.
5. Do not mix fresh and old batteries together.
6. Do not use batteries of different kinds.
7. Batteries must be inserted properly with the correct polarity. (shown as + and - on the battery compartment).
8. Exhausted or leaking batteries should be removed from your vehicle immediately and disposed of properly.
1. TURN ON THE TRANSMITTER

Sheet Power Switch

1) Slide the power switch of the radio controller to ON, which is located on the top of the radio controller.

2. TURN ON THE RECEIVER ON YOUR CAR

2) Slide the power switch of the receiver to ON, which is located on the bottom of the car.

**CAUTION**
- Before using your car, make sure the radio controller is of enough battery power. Low battery power will lead to the loss of control of your car.
- Always turn on the remote controller firstly, and then the receiver.

3. CHECK STEERING PERFORMANCE

- Ensure good steering performance.

1) To keep the car run straight in line, do not move the control wheel. (Keep it at centre)

2) Turn it left to allow your vehicle turn to left.

3) Turn it right to allow your vehicle turn to right.

4. CHECK TRIGGER RESPONSE

A. Pull the trigger back to accelerate, release it to decelerate and push it to brake.

B. To stop running your car, release the trigger to Neutral.

C. Pushing the trigger a second time activates the reverse feature.
5 TO TUNE THE STEERING TRIM

Gently pull the trigger to allow your car to run slowly. Meantime, tune the steering trim to allow the front wheels to be aligned.

6 TO TUNE THE STEERING DUAL RATE CONTROL DIAL

This dial adjusts the overall travel of the steering servo. Push the dial forward for maximum steering. Pull the dial back to reduce the steering level.
- Set the Steering Dual Rate Control Dial to Minimum first. To set the desired steering level increase it again whilst decelerating your vehicle.

STOPPING YOUR CAR

1 TURN OFF THE RECEIVER ON YOUR CAR

2 TURN OFF THE TRANSMITTER

Power Switch

CAUTION

- Always switch off the receiver then the radio control.

3 REMOVE BATTERIES

- Do not forget to remove batteries from your car and transmitter when not in use.
# MAINTAINING YOUR CAR

After running your car, the following procedures should be performed regularly and will help to maintain your car's performance.

- Inspect your car for any obvious damage.
- Check the gears for wear, debris or broken/slipping teeth.
- Check the wheels and tighten the wheel screws properly.
- Check for loose screws in the chassis.
- Check the wiring for frayed or damaged wires or connectors.
- Check the steering servo which will wear out over time and require replacement.
- Check all batteries.
- Keep the chassis clean and free of sand, dust and moisture.
- Remove and clean the motor if necessary. (Never attempt to re-assemble the motor, you will damage it and void the warranty).
- Clean the car body with a soft lint-free cloth.
- Remove all batteries if you are from the car when not in use.

# TROUBLESHOOTING

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>A. The vehicle does not work at all.</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Check to see if transmitter and car are on.</td>
</tr>
<tr>
<td>2.</td>
<td>Check to see if TX/RX are properly bound.</td>
</tr>
<tr>
<td>3.</td>
<td>Adjust throttle trim on transmitter</td>
</tr>
<tr>
<td>4.</td>
<td>Replace batteries.</td>
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<tbody>
<tr>
<td>B. The vehicle runs slow.</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Change battery (AA size NiMH batteries are recommended.)</td>
</tr>
<tr>
<td>2.</td>
<td>Make sure the vehicle is geared properly and the pinion and spur gear are over tightened.</td>
</tr>
<tr>
<td>3.</td>
<td>Clean all bushings or ball bearings.</td>
</tr>
<tr>
<td>4.</td>
<td>Check for stripped or dirty gears.</td>
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<tbody>
<tr>
<td>C. The throttle works, but it can not steer.</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Check if the servo feels jammed, try centering it by hand.</td>
</tr>
<tr>
<td>2.</td>
<td>Check the whole steering system.</td>
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<tbody>
<tr>
<td>D. It steers, but throttle is uncontrollable.</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Adjust steering rim.</td>
</tr>
<tr>
<td>2.</td>
<td>Replace the batteries.</td>
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<tbody>
<tr>
<td>E. The vehicle runs noisily.</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Check gear mesh between spur gear and pinion.</td>
</tr>
<tr>
<td>2.</td>
<td>Check for stripped and/or dirty gears.</td>
</tr>
<tr>
<td>3.</td>
<td>Clean and oil bushings or ball bearings.</td>
</tr>
</tbody>
</table>

[ConstructionX](https://www.constructionx.com) - A website for the serious racer
## SPARE PARTS - 1

<table>
<thead>
<tr>
<th>PART NO.: 24001</th>
<th>PART NO.: 24002</th>
<th>PART NO.: 24003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Drive Shaft (Length: approx. 95.2mm)</td>
<td>Suspension Arm Hinge Pin (Length: approx. 18.1mm)</td>
<td>Steering Linkage Screwbolt (Length: Approx. 18mm)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>PART NO.: 24004</th>
<th>PART NO.: 24005</th>
<th>PART NO.: 24006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shock Ball Bolt (Φ 4.7mm, length: approx. 17mm)</td>
<td>Steering Ball Bolt (Φ 3.8mm, length: approx. 7.6mm)</td>
<td>Steering Bushing Pin (Φ 1.5*8.8mm)</td>
</tr>
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<tr>
<th>PART NO.: 24007</th>
<th>PART NO.: 24008</th>
<th>PART NO.: 24009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Ball Pin (Φ 1.5*6.8mm)</td>
<td>Servo Saver Pin (Φ 1.5*6.8mm)</td>
<td>Shock Spring</td>
</tr>
</tbody>
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<thead>
<tr>
<th>PART NO.: 24011</th>
<th>PART NO.: 24012</th>
<th>PART NO.: 24013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Contacts</td>
<td>Diff. Shims (4.8<em>9.5</em>0.15mm)</td>
<td>Bumpers+ Gear Box+ Gear Box Plate</td>
</tr>
</tbody>
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The images may vary from the actual parts.
<table>
<thead>
<tr>
<th>PART NO.</th>
<th>Description</th>
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<tbody>
<tr>
<td>24014</td>
<td>Main Body+ Servo Retainer</td>
</tr>
<tr>
<td>24015</td>
<td>Battery Compartment Assembly+ PCB plate+Upper Deck+PCB Mount</td>
</tr>
<tr>
<td>24016</td>
<td>Drive Shaft Assembly+ Diff. Outdrive+Servo Saver Assembly</td>
</tr>
<tr>
<td>24017</td>
<td>Diff Large/Small Bevel Gears / Mount+Diff Housings + Spur Gear+Drive Pinion Gear + Bushes(Plastic)</td>
</tr>
<tr>
<td>24018</td>
<td>Front Uprights+ Rear Uprights Front Steering Hubs+Fasteners</td>
</tr>
<tr>
<td>24019</td>
<td>Wing + Wing Stay+ Body posts+ Front/rear Shock Tower</td>
</tr>
<tr>
<td>24020</td>
<td>Diff. Complete ( Front and rear are same)- RTR plastic bushes /Outdrives</td>
</tr>
<tr>
<td>24021</td>
<td>Shocks Complete</td>
</tr>
<tr>
<td>24022</td>
<td>Suspension Arms+ Shock Assembly +Front Gear Box Mount</td>
</tr>
<tr>
<td>24023</td>
<td>Buggy Rims (Dart)</td>
</tr>
<tr>
<td>24024</td>
<td>Buggy Tires (Pin)</td>
</tr>
<tr>
<td>24025</td>
<td>Buggy Wheels Complete</td>
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<tr>
<th>PART NO.: 24026</th>
<th>PART NO.: 24027</th>
<th>PART NO.: 24028</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truggy Rims (8 Spoke)</td>
<td>Truggy Tires (V-tread)</td>
<td>Truggy Wheels Complete</td>
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<tr>
<th>PART NO.: 24029</th>
<th>PART NO.: 24030</th>
<th>PART NO.: 24031</th>
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<tbody>
<tr>
<td>Truck Rims (Dial)</td>
<td>Truck/Sand Truck Tires (Knobby)</td>
<td>Truck/Sand Truck Wheels Complete</td>
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<thead>
<tr>
<th>PART NO.: 24620</th>
<th>PART NO.: 24621</th>
<th>PART NO.: 24033C</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-in-1 PCB Unit (2.4GHz System)</td>
<td>Steering Servo (3 plugs)</td>
<td>RC 131 Motor (30000 rpm)</td>
</tr>
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<tr>
<th>PART NO.: H021</th>
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<td>12P</td>
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Body Clip A/B - Small

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<td>Body Clip A/B- Small</td>
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### Screws Required

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<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
<tr>
<td>24100</td>
<td>Washer Head Self Tapping Screw 2*5mm</td>
<td>20P</td>
</tr>
<tr>
<td>24101</td>
<td>Washer Head Self Tapping Screw 2*6mm</td>
<td>20P</td>
</tr>
<tr>
<td>24102</td>
<td>Washer Head Self Tapping Screw 2*8mm</td>
<td>20P</td>
</tr>
<tr>
<td>24103</td>
<td>Washer Head Self Tapping Screw 2*10mm</td>
<td>20P</td>
</tr>
<tr>
<td>24104</td>
<td>Washer Head Partial Thread Screw 2*8mm</td>
<td>20P</td>
</tr>
<tr>
<td>24105</td>
<td>Washer Head Partial Thread Screw 2*9.5mm</td>
<td>20P</td>
</tr>
<tr>
<td>24106</td>
<td>Washer Head Partial Thread Screw 2*17.5mm</td>
<td>20P</td>
</tr>
<tr>
<td>24107</td>
<td>Countersunk Self Tapping Screw 2*6mm</td>
<td>20P</td>
</tr>
<tr>
<td>24108</td>
<td>Countersunk Self Tapping Screw 2*9mm</td>
<td>20P</td>
</tr>
<tr>
<td>24109</td>
<td>Countersunk Self Tapping Screw 2*12mm</td>
<td>20P</td>
</tr>
<tr>
<td>24110</td>
<td>Countersunk Screw 1.5*5mm</td>
<td>20P</td>
</tr>
<tr>
<td>24111</td>
<td>Flat Head Screw 2*3mm</td>
<td>20P</td>
</tr>
<tr>
<td>24112</td>
<td>Flange Self Tapping Screw 2*6mm</td>
<td>20P</td>
</tr>
<tr>
<td>24113</td>
<td>Flange Self Tapping Screw 2.6*10 mm</td>
<td>20P</td>
</tr>
<tr>
<td>P100</td>
<td>Body Post Pad</td>
<td>12P</td>
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The images may vary from the actual parts.
More Information About The Parts In Big Packages

**PART NO.: 24013**

A: Front Bumper (Truck/Sand Truck Only)
B: Front Bumper (Buggy/Truggy Only)
C: Front Gear Box (Upper)
D: Rear Gear Box (Upper)
E: Rear Gear Box (Bottom)
F: Rear Gear Box Plate

**PART NO.: 24014**

A: Main Body
B: Servo Retainer

**PART NO.: 24015**

A: PCB Mount
B: Upper Deck
C: Battery Compartment
D: Battery Retainer
E: Motor Mount (RC 131 motor)
F: Motor Mount (RC180 motor)

**PART NO.: 24022**

A: Front/rear Lower Suspension Arm
B: Front Upper Suspension Arm
C: Rear Upper Suspension Arm
D: Shock Lower Mount
E: Shock Body
F: Shock Bush
G: Shock Spring Holder
H: Front Gear Box Mount

The images may vary from the actual parts.
More Information About The Parts In Big Packages

**PART NO.: 24017**

A: Diff. Housing A  
B: Spur Gear (34T)  
C: Diff. Large Bevel Gear (18T)  
D: Diff. Small Bevel Gear (8T)  
E: Drive Pinion Gear (8T)  
F: Motor Pinion (10T)  
G: Motor Pinion (12T)  
H: Motor Pinion (8T)  
I: Diff. Housing B  
J: Diff. Small Bevel Gear Mount  
K: Diff. Bush (6*10*3mm)  
L: Wheel Shaft Bush (5*8*3mm)

**PART NO.: 24018**

A: Rear Uprights (Left/Right)  
B: Front Uprights (Left/Right)  
C: Front Steering Hubs (Left/Right)  
D: Front Steering Hub Fasteners

**PART NO.: 24016**

A: Servo Saver Set 1  
B: Servo Saver Set 2  
C: Servo Saver Set 3  
D: Steering Linkage Set End  
E: Drive Joint Ball  
F: Wheel Shaft  
G: Drive Shaft  
H: Main Drive Bush (2*6*2.5mm)  
I: Steering Bushing Unit  
J: Steering Ackerman Plate  
K: Diff. Outdrive (Long+short)  
M: Steering Turning Arm

**PART NO.: 24019**

A: Off Road Wing (Buggy/Truggy Only)  
B: Rear Shock Tower  
C: Front Shock Tower  
D: Wing Stay (Buggy/Truggy Only)  
E: Wing Post (Buggy/Truggy Only)  
F: Body Posts (Truggy/Truck/Sand Truck Only)  
G: Front Body Post (Buggy Only)  
H: Rear Body Post (Buggy Only)

The images may vary from the actual parts.
# Optional Parts (To Upgrade Your Car)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24600</td>
<td>4P Aluminum Shocks</td>
</tr>
<tr>
<td>24601C</td>
<td>RC 180 Motor with Rc180 Motor Mount Installed</td>
</tr>
<tr>
<td>24602</td>
<td>Main Drive Ball Bearings (2<em>6</em>2.5mm) * 2PCS, Wheel Shaft Ball Bearings (5<em>8</em>3mm) * 8PCS, Diff. Ball Bearings (6<em>10</em>3mm) * 4PCS</td>
</tr>
<tr>
<td>24603</td>
<td>2P Aluminum Front Shock Tower+ Aluminum Rear Shock Tower</td>
</tr>
<tr>
<td>24604</td>
<td>2P Aluminum Front/Rear Lower Arms</td>
</tr>
<tr>
<td>24605</td>
<td>2P Aluminum Motor Heat Sink (For RC 131/180 motor)</td>
</tr>
<tr>
<td>24606A</td>
<td>2P Aluminum Front Upper Adjustable Linkage Set</td>
</tr>
<tr>
<td>24606B</td>
<td>2P Aluminum Rear Upper Adjustable Linkage Set</td>
</tr>
<tr>
<td>24607</td>
<td>2 Pairs Metal Diff. Outdrive (Two pairs) A long and a short outdrive are a pair.</td>
</tr>
<tr>
<td>24608</td>
<td>2P Front Universal shafts (L=Approx.48.4mm) + Pins (1.5*6.8mm) + Nuts M2.5</td>
</tr>
<tr>
<td>24609</td>
<td>2P Rear Universal shafts (L=Approx.48.5mm) + Pins (1.5*6.8mm) + Nuts M2.5</td>
</tr>
<tr>
<td>24610</td>
<td>Diff. Complete (Front and rear are same) - Metal Outdrives/Ball Bearings</td>
</tr>
</tbody>
</table>

The images may vary from the actual parts.
**OPTIONAL PARTS (TO UPGRADE YOUR CAR)**

<table>
<thead>
<tr>
<th>PART NO.: 24611</th>
<th>PART NO.: 24612</th>
<th>PART NO.: 24613</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rechargeable SC Ni-MH battery (1.2V, 1600mAh)</td>
<td>Battery Charger (Europe Standard)</td>
<td>Battery Charger (U.S. Standard)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART NO.: 24614</th>
<th>PART NO.: 24615</th>
<th>PART NO.: 24616</th>
</tr>
</thead>
</table>
| Battery Charger (Australia Standard) | Battery Charger (U.K. Standard) | Aluminum Steering Hubs (left/right)  
Aluminum Front Uprights (left/right) |

<table>
<thead>
<tr>
<th>PART NO.: 24617</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Rear Uprights (left/right)</td>
</tr>
</tbody>
</table>

The images may vary from the actual parts.
Part Number 24600

This package includes:  
A) 4 Aluminum shocks, and  
B) 4 Washer head self tapping screws (2*12mm)

The package does not include shock bushings. Be sure to save the stock shock bushings when you remove the standard shocks.

Note:
If the aluminum shock towers (part number 24603) are installed, do not install the aluminum shock with round head self tapping screws included in this package.
Please use the non-self tapping washer head screws (2*12mm) that were included in the aluminum shock tower package.

Part Number 24603

This package includes:  
A) Aluminum shock towers (Front+Rear),  
B) 4 Non-self tapping washer head screws (2*12mm), and  
C) 4 Non-self tapping washer head screws (2*8mm),  
D) 2 Non-self tapping washer head screws (2*6mm)

Screws B) are used for installing aluminum shocks (24601).
Screws C) are used for installing standard shocks.
Screws D) are used for installing wing stay. (If your car is buggy or truggy which contains the wing)

Part Number 24604

This package includes:  
A) One Pair of Aluminum Front/rear Lower Arms (front and rear are same),  
B) 2 Shock Ball Stud. (Dia. 4.7mm), and  
C) 2 Flat Head Screw (2*3mm)
**INSTALLATION OF OPTIONAL PARTS(B)**

**Part Number 24606A**

This package includes:
A) One Pair of Aluminum Front Upper Adjustable Link
The package does not include screws. Be sure to save the screws when you remove them from the car.

**Part Number 24606B**

This package includes:
A) One Pair of Aluminum Rear Upper Adjustable Links
B) Pad Mount 2pcs
The package does not include screws. Be sure to save the screws when you remove them from the car.

**Part Number 24616**

This package includes:
A) One pair of aluminum steering hubs and front uprights.
B) 8 Hex. Screw (2*3mm) and C) 2 Non-self tapping Washer Head Screws (2*8mm)
Screw B) is to install aluminum steering hubs and front uprights.
Screw C) is to install the aluminum front upper adjustable link.

**Part Number 24617**

This package includes:
A) One pair of aluminum Rear Uprights.
B) 4 Hex. Screw (2*3mm) and C) 2 Non-self tapping Washer Head Screws (2*8mm)
Screw B) is to install the aluminum rear uprights.
Screw C) is to install the aluminum rear upper adjustable link.
ASSEMBLY VIEWS

Shock Assembly

Steering Assembly

The images may vary from the actual parts.
ASSEMBLY VIEWS

Installing front/rear body posts (TRUCK & BAJA TRUCK & TRUGGY ONLY)

FRONT

REAR

Installing front/rear body posts (BUGGY)

FRONT

REAR

The images may vary from the actual parts.
**ASSEMBLY VIEWS**

*Front/Rear Diff. Assembly*

---

*Installing Motor to the motor mount*

Note: The illustration is only presented for motor placement. The motor part from factory will be welded with motor wire and solder.

There are some optional motor pinions in Pack 24017.

Re-adjust the gear mesh between the spur gear and motor pinion when installing.

The images may vary from the actual parts.
**ASSEMBLY VIEWS**

**Servo Assembly**

![Servo Assembly Diagram](image)

**Rear Unit Assembly**

![Rear Unit Assembly Diagram](image)

*The images may vary from the actual parts.*
Installing wing to your cars (TRUGGY & BUGGY ONLY)

Installing battery case (batteries not included)

Insert the battery contacts into the battery compartment as shown

The images may vary from the actual parts.
Please refer the part numbers to the part lists in the manual.

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Please refer the part numbers to the part lists in the manual.

EXPLDED VIEW
1/24TH SCALE OFF ROAD TRUGGY

The images may vary from the actual parts.
Please refer the part numbers to the part lists in the manual.

EXPLODED VIEW
1/24TH SCALE OFF ROAD TRUCK
1/24TH SCALE OFF ROAD SAND TRUCK

The images may vary from the actual parts.
Thank for purchasing our product.
This product is an authentic remote controlled vehicle (RC vehicle). It is not a toy.
Read and understand this instruction manual thoroughly before operating the vehicle.
If you are not familiar with RC vehicles, we recommend that seek out RC experts for reliable advice.

WARNINGs

- This R/C vehicle is intended for persons over 14 years of age. Children under 14 years of age should only operate this car under adult supervision.
- To avoid losing control of your car, do not operate near other electric remote controlled products.
- Please operate your vehicle in a spacious area. Never operate your vehicle in crowded street.
- This product is fully assembled at factory. We do not take any responsibility for damage and/or accidents that occur as the result of custom modifications and/or incorrect operation.