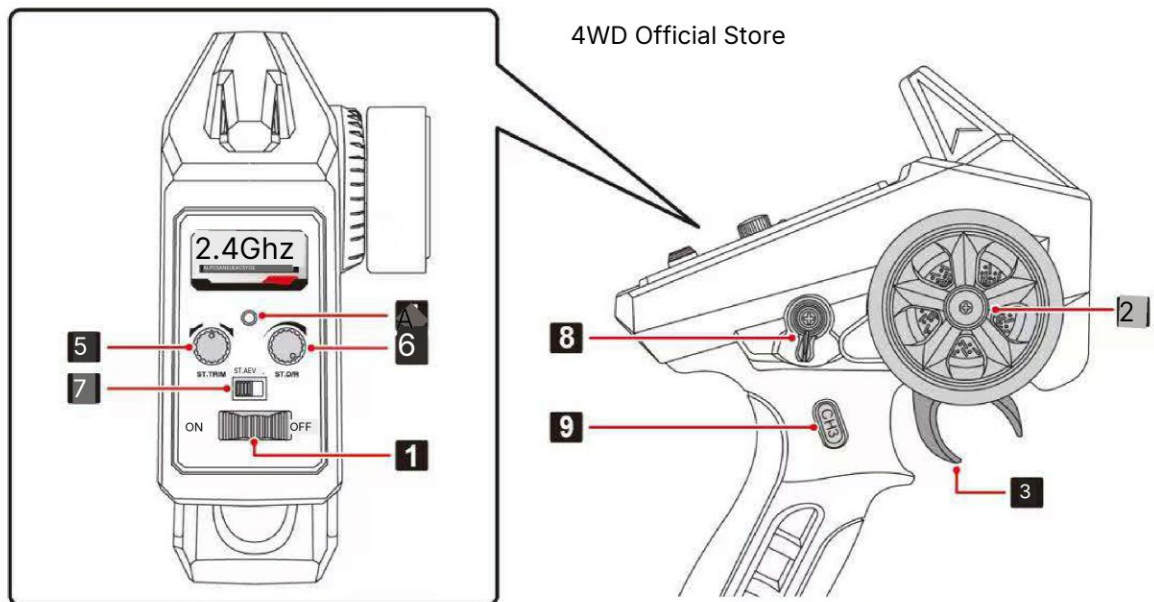


Remote control function introduction



1. Remote control power switch: Turn the remote control power on or off.
2. Steering wheel: When the steering wheel is turned to the left, the model car turns left. When the steering wheel is turned to the right, the model car turns right.
3. Throttle trigger: Pull the remote control trigger back with your finger, and the model car will move forward; push the trigger forward once to brake, release the trigger to stop.
After the machine returns to the middle position and is pushed forward again, the model car will move backward.
4. Power indicator light: During pairing, the indicator light flashes rapidly, then turns to a steady light after a few seconds, indicating successful pairing. When the indicator light flashes slowly, it indicates that the battery is low.
The battery is low, please replace it promptly.
5. Steering fine-tuning knob: Use this knob to make fine adjustments when the vehicle is unable to drive straight in a normal manner.
6. Steering Angle Limitation: When turning the steering wheel, use the "Steering Angle Limitation" to adjust the degree of tire rotation.
7. Reverse/Forward Steering Switch: For switching between forward and reverse steering.
8. Three-speed switch: The speeds are divided into fast, medium, and slow. Beginners are advised to use slow speed to familiarize themselves with the operation.
9. Angel Eye Light Mode Switching: Each time the "CH3" button is pressed, a different light mode is switched.

1. Power Switch (On/Off): Slide it to switch on or off power.
2. Steering Wheel: Proportionally operates the car's right and left steering control.
3. Throttle Trigger: Pull to accelerate, release to slow down, and push it to brake. Center it and then push it a second time to reverse.
4. Power LED: It flashes rapidly during binding. After binding it stops flashing and stays on solid. Please charge the transmitter's batteries in case the LED goes slow flashes.
5. Steering Trim: It is used to make the vehicle drive in a straight line. Turning the steering trim knob to adjust.
6. Steering angle rudder amount limit: When turning the steering wheel, use "steering angle rudder amount limit" to adjust the tire rotation angle.
7. Steering Reverse Switch: It allows you to electronically switch the direction of the steering servo travel. For instance, if you move the steering wheel to the right and your vehicle turns left, flip this switch to make it turn right.
8. Speed three gear switch: speed is divided into fast speed, medium speed and slow speed. (beginners are recommended to use slow familiar operation)
9. Angel eye lamp mode switching: Press the "CH3" button once to switch the mode of one lamp.

1/16 RC full-scale model high-speed car



Made of engineering composite nylon, speedy and durable against accidental collisions, Hobby class equipment

General Information

-  This manual is subject to change without prior notification.
-  This product is NoT a toy, and not intended for users under 14 years of age, unless closely supervised by an adult. The specifications and images in the manual may vary from the actual product.
-  Never operate the vehicle on public streets. This could cause traffic accidents, personal injury and/or property damage. This vehicle is ONLY be driven on the open track which is for RC cars. Do NoT handle this vehicle to chase pets or other animals.
-  The receiver, steering servo and other electronics installed in this vehicle are merely splash water-resistant. Do not immerse this vehicle into water.
-  Regular check on the transmitter power is very important. Remove the batteries from the transmitter when not in use.
-  Replace with the fresh batteries if necessary. Do NoT run this vehicle by low power from transmitter. When this vehicle becomes stuck, do NoT force on throttle. Failure to do so will cause an abrupt damage to the motor and/or the ESC (Electronic Speed Controller)
-  Check and clean the obstacles before running again.
Be careful not to touch any moving parts when servicing this vehicle.
-  To prevent excessive r.p.m. from damaging the motor, and/or the drive train components, we suggest reducing the throttle while in the air during jumps.
-  Never attempt to re-assemble motor, ESC, and receiver as these have been precisely calibrated at factory.
-  Always apply the factory optional/tooling parts to this vehicle.
To upgrade this vehicle requires the user to upgrade the entire radio/driving system (such as motor, ESC, receiver and so forth.) They should be strictly matched.
-  To run this vehicle, turn on the transmitter (radio controller) first and then the receiver.
To stop running this vehicle, turn off the receiver first, and then the transmitter).
-  Erect the receiver antenna (if it comes with this vehicle) for best receiving performance.
Never cut the receiver antenna (if it comes with this vehicle). Otherwise, it could lose control of the vehicle.

Installing batteries to transmitter



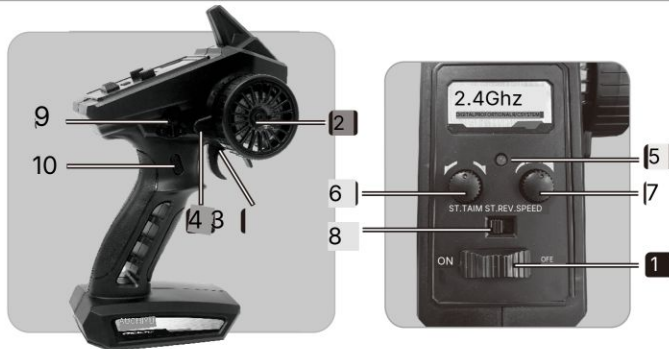
Proportional 2.4GHz Transmitter



3x "AA" Size Batteries for transmitter (Not Included)

- Use the batteries of same brand.
- Do not mix old and new batteries in use.
- Remove the batteries from the transmitter
- Do not use leaky batteries.

Proportional 2.4GHz Transmitter



1) Power Switch (On/Off) : Slide it to switch on or off power.

2) Steering Wheel : Proportionally operates the car's right and left steering control.

3) Throttle : It allows you to electronically switch the direction of the steering servo travel. For instance, if you move the steering wheel to the right and your vehicle turns left, flip this switch to make it turn right.

Center it and then push it a second time to reverse.

4) Trim : It allows you to electronically switch the direction of the steering servo travel. For instance, if you move the steering wheel to the right and your vehicle turns left, flip this switch to make it turn right.

trim buttons with your other hand. (presented for personal preference only.)

5) Power LED: It flashes rapidly during binding. After binding, it stops flashing and stays on solid. Please charge the transmitter's batteries in case the LED goes slow flashes.

6) Steering Trim: It is used to make the vehicle drive in straight line. Turning the steering trim knob to adjust.

7) Speed: Turning down the knob all the way will reduce the maximum speed down to 30-40% of the maximum speed. Turning up the knob will increase max speed up to 100%.

8) Steering Reverse Switch : It allows you to electronically switch the direction of the steering servo travel. For instance, if you move the steering wheel to the right and your vehicle turns left, flip this switch to make it turn right.

9) and 10): Aux Switches, disabled on this vehicle.

To drive the vehicle

① Switch on the transmitter, and then the vehicle.

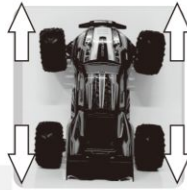
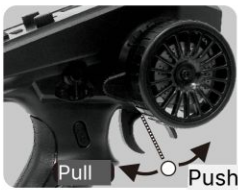


1) Slide the ON/OFF switch to switch on the transmitter.

2) Press and hold the button on the ESC/Receiver for 2-3 seconds to switch on the ESC/Receiver.

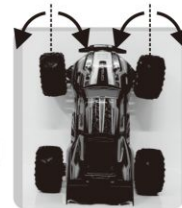
②

② Checking up the throttle [Proportional]



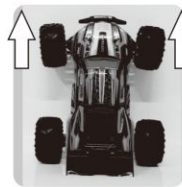
When you pull the throttle trigger, your vehicle accelerates forward. When you push the throttle trigger, your vehicle brakes. When you release the trigger then push again, your vehicle goes in reverse.

③ Turning the steering trim to align the front wheels



If the front wheels are unaligned and off the center line the time you do not move the steering wheel on the transmitter, please turn the steering trim knob to align front wheels in line. Turn the steering trim clockwise to align them if the front wheels point to the left. Turn the steering trim anti-clockwise to align them if the front wheels point to the right.

④ Tuning the speed switch



This Speed Switch is actually the throttle limiter. Turning down the knob all the way will reduce the maximum speed down to 30-40% of the maximum speed. Turning up the knob will increase max speed up to 100%. It is strongly recommended that you learn from slow speed before trying to run the vehicle at high speeds.

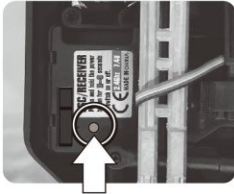
⑤ Steering Reverse Switch



If you move the steering wheel to the right and your vehicle turns left, flip the Steering Reverse Switch to make your vehicle turn right.
If you move the steering wheel to the left and your vehicle turns right, flip the Steering Reverse Switch to make your vehicle turn left.

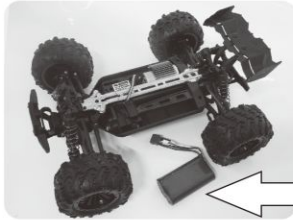
To stop driving the vehicle

① Switch off the vehicle, and then the transmitter.



- 1) Press and hold the button on the ESC/Receiver for 2-3 seconds to switch off the ESC/Receiver.
- 2) Slide the ON/OFF switch to switch off the transmitter.

② Clean the vehicle with the soft cloth and brush, and store it in dry, cool and clean place away from the reach of children.



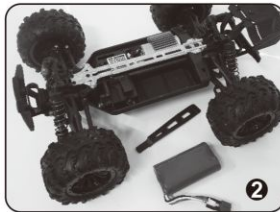
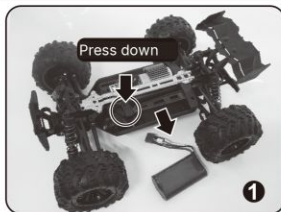
- 1) Please disconnect and remove the battery pack from the chassis if the kit is not in use.
- 2) Clean the vehicle with the soft cloth and brush, and store it in a dry, cool and clean place away from the reach of children.

Disconnect and take out the battery pack if not in use.

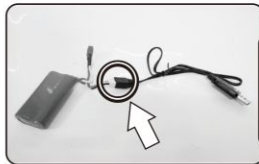
Maintenance Guide

- ☞ Check the chassis for any loose screws, especially the motor mounting screws. Tighten them if necessary.
- ☞ Any screws that are threaded directly into metal should be secured in place with thread lock. This will prevent the screws from loosening during use. Screws threaded into nylon or composite material do not require thread lock.
- ☞ Check the condition of the transmitter batteries each time you drive your vehicle. If you think they might need replacement, do so before driving your vehicle again.
- ☞ After a period of time the chassis will accumulate a lot of dirt and debris. This buildup should be cleaned off using a soft brush and compressed air.
- ☞ After cleaning the chassis and motor with compressed air, apply a couple of drops of lubricating oil to the motor bushings.
- ☞ Check the suspension and steering system to ensure both are working smoothly without any binding.
- ☞ Check the electronics for any signs of damage. This includes the steering servo, ESC/Receiver, motor and wiring.
- ☞ Periodically check the glue joints between the tires and wheels, looking for any signs of tire separation. If you notice any tire separation, re-glue the tires to the wheels using a good quality tire glue.

Charging The Battery Pack



- Please disconnect and take out the battery pack from the chassis before charging it.
- Press down the tab as circled in the Photo 1 and take out the battery cover from the chassis, and then remove the battery pack from the chassis (Refer to the Photo 2).
- Children must NOT charge the battery pack without adults' supervision.
- Charging must be fulfilled in a safe and spacious area away from heat and moist.
- Please be alert during charging. Do not charge the battery pack unattended.



Connected to USB
charging slot or
smart phone
adaptor



- Connect the battery pack with the USB cable, and then connect USB cable to the USB charging slot or the smart phone adaptor (5V,2A) to charge the battery pack.
 - It will take 3.5-4 hours before the battery pack is fully charged.
- (Tip: Connecting to the smart phone adaptor (5V,2A) will shorten the charge time into 2.5-3 hours.)

LEDs Indications: Power LED: Red LED (Standby), Charging LED: Green LED

Once USB is powered on...
Without Battery Pack Connected

Red LED: stays solid on
Green LED: flashes for a few seconds, and then goes out.

During Charging

Red LED: stays solid on
Green LED: flashes slightly indicating charging is in process.

After the battery pack has been
fully charged. ..

Red LED: goes out
Green LED: stops flashing and stays solid on

Battery Precaution

- Please fully charge the battery pack before each use.
- Please stop driving the vehicle in case the slow speed is observed. Stop and charge the battery pack. Please do not leave the battery pack uncharged for a long period of time. Failure to do so may shorten the battery life.

⚠ WARNING!

- Do not throw batteries into fire. - Do not submerge batteries. - Do not store batteries close to any source of heat and humid. - Do not use leaky, broken and swollen battery pack. - Do not attempt to disassemble batteries.

Troubleshooting

A. The vehicle does not work at all:

- 1) Check to ensure that radio controller and car are switched on.
- 2) Check if there are damaged parts/wires/connectors, repair or replace if necessary.
- 3) Car battery is flat. Charge the battery pack.

B. The vehicle runs slowly:

- 1) Car battery is flat. Charge the battery pack.
- 2) Check if the vehicle is properly geared and no dirty or stripped gears are found.
- 3) Check the gear mesh for the motor pinion and spur gear.
- 4) Check if the moving parts have any problems and clean them immediately.

C. The throttle works but not the steering:

- 1) Check if the servo feels jammed, and try centering it gently if it does.
- 2) Check if the servo link is loose or if the servo is defective. Repair or replace if possible.

D. The vehicle steers, but there is no throttle control:

- 1) Check if there are damaged parts in the overall drive train.
- 2) Check the battery power both for radio controller and the car.

E. The vehicle drives noisily:

- 1) Check gear mesh between spur gear and motor pinion.
- 2) Check if there are stripped and/or dirty gears.
- 3) Check for any damage to any part throughout the drivetrain.

F. The vehicle does not steer the same amount in both directions.

- 1) Please adjust the steering trim until the steering center point is fixed.

G. Batteries can not be taken to charge:

- 1) Check if either the charger or the battery is damaged, or batteries are over-discharged.

Model:16101



Model:16102



Model:16103



Model:16201

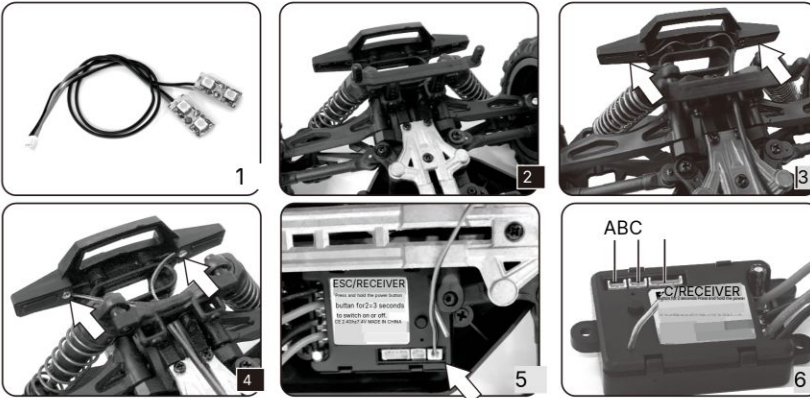


Note: To sparetespacopackae,tewgisdsmaned atactoryleaeinstall itbeforedriving.

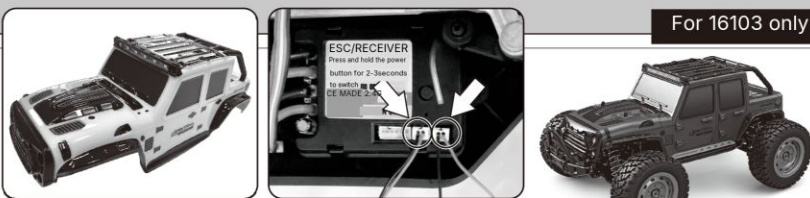
LED LIGHT INSTALLATION

Note: The headlight is exclusively presented for vehicle 16101 and vehicle 16102 .
The headlight, not installed onto the truck at factory, is provided in the packaging.
It is applied for personal preference. Please read and understand
the instructions below before installing the headlight onto your truck.

For 16101 and 16102 only



- 1) Collect the headlight from the package.(Figure 1)
- 2) The headlight must be mounted onto the slots at the back of the front bumper.(Figure 2)
- 3) Insert the lights into the slots as shown in Figure 3.Make sure the lights are securely fixed.
- 4) Close the slots with the covers, and lock up with the screws.(See Figure 4)
- 5) Plug in the headlight.Insert the headlight plug into the slot on the ESC/Receiver.
(See Figure 5 and 6)
- 6) Slot A and Slot B: Headlight slots or Top light Slots
(Either of them can be applied to the headlight).
Slot C: applied for 5-wire Servo



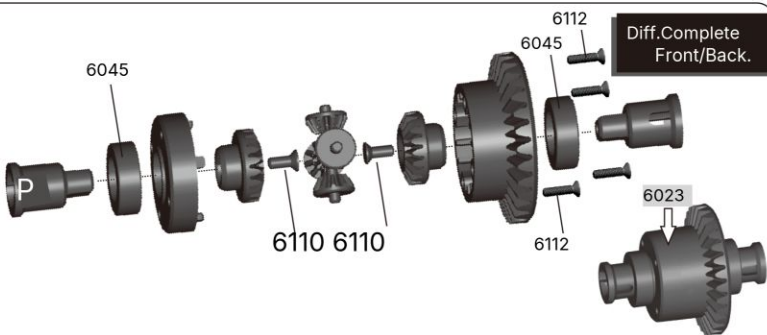
For 16103 only

- 1) Headlight and top light are pre-mounted on the body.
- 2) Insert the headlight plug and the top light plug into the slots on the ESC/Receiver
as shown in the photo above.

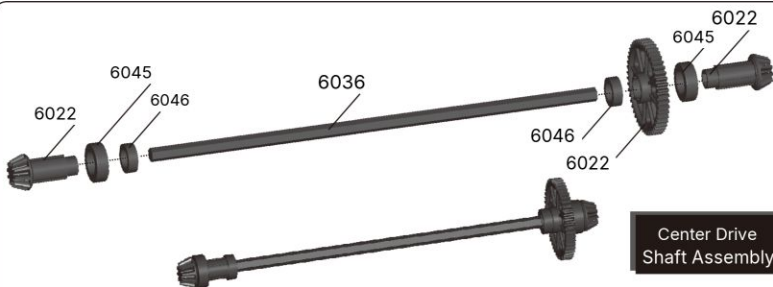
Assembly View-A



Shock
Absorber



Diff.Complete
Front/Back.



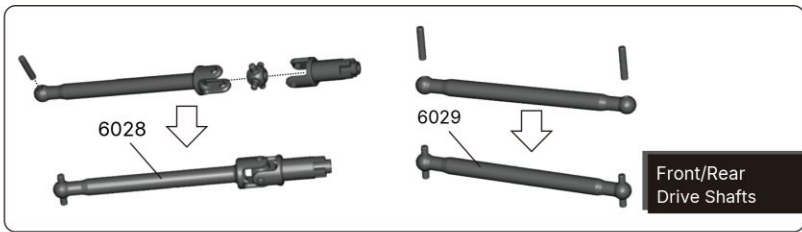
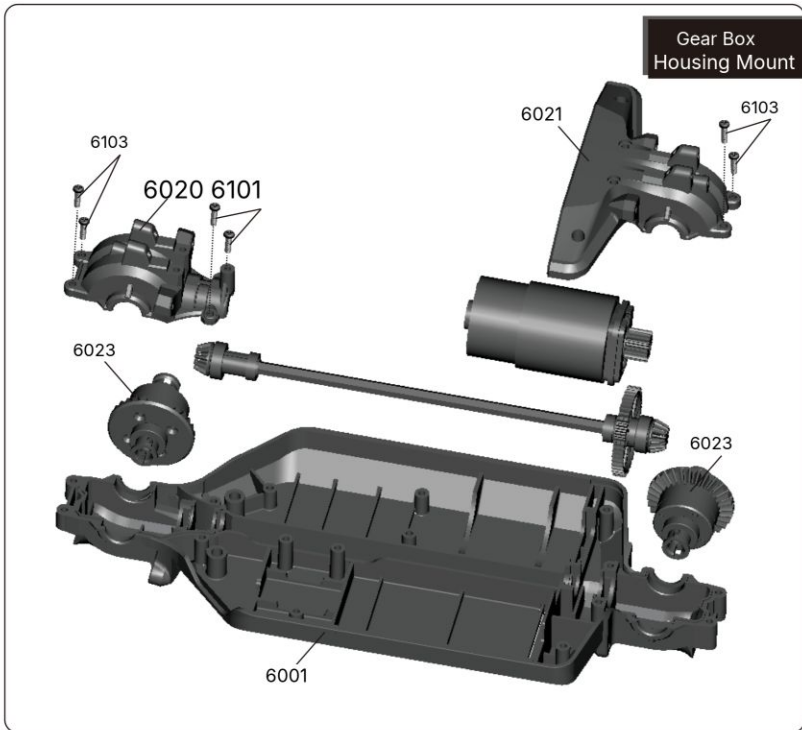
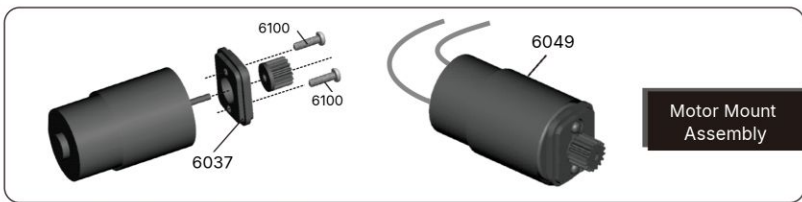
Center Drive
Shaft Assembly



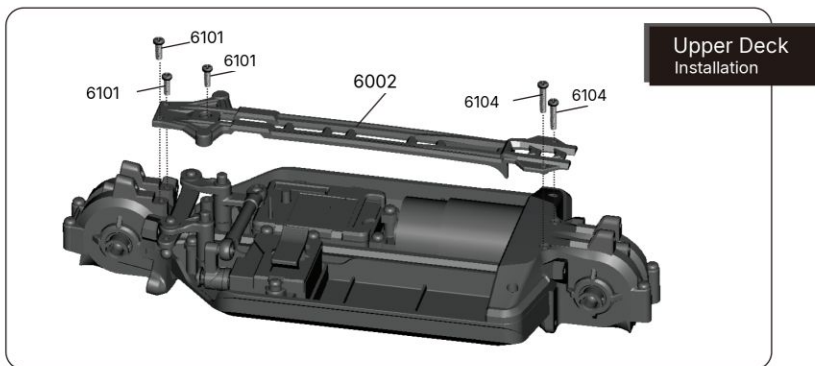
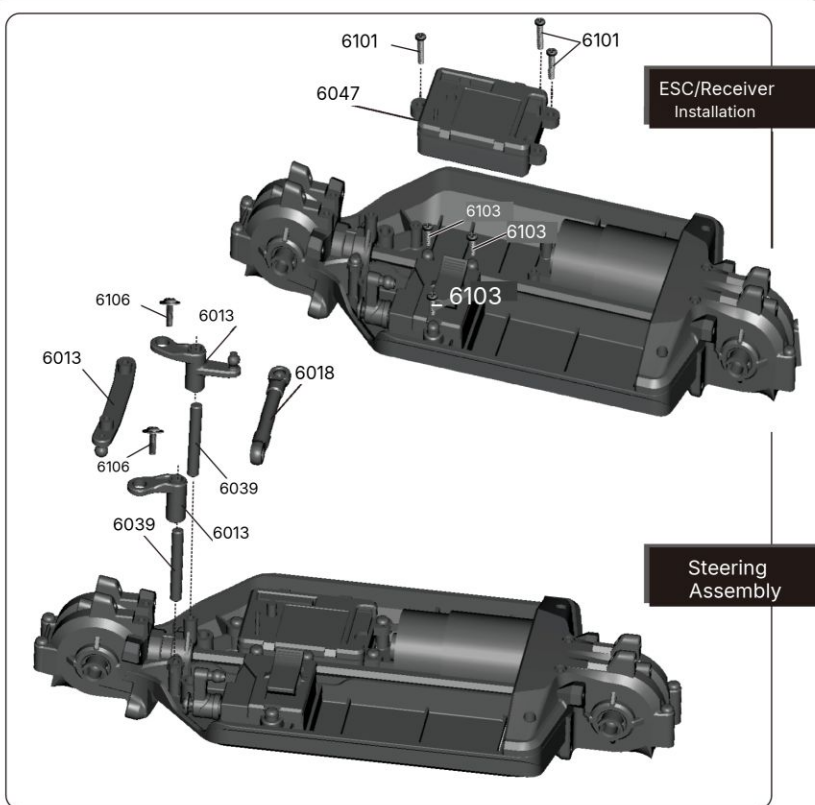
6050 S Servo Saver

Assembly

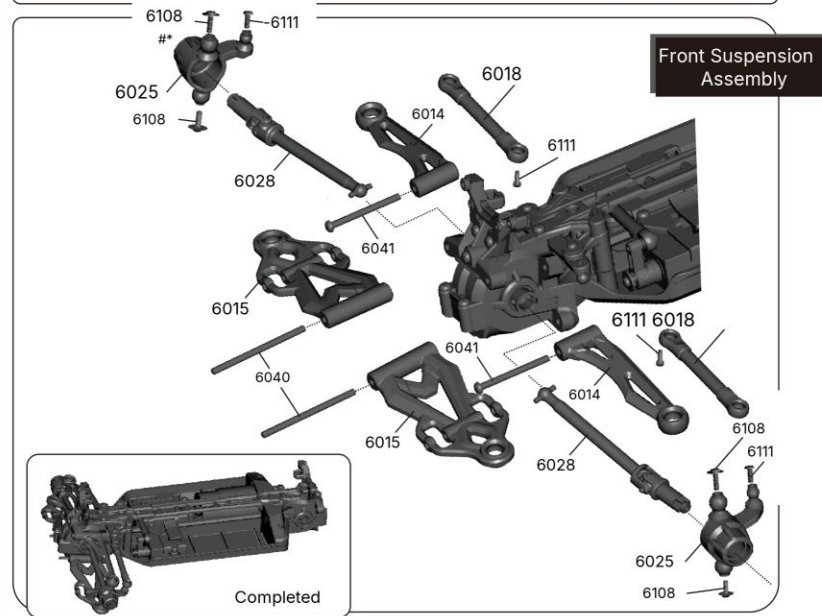
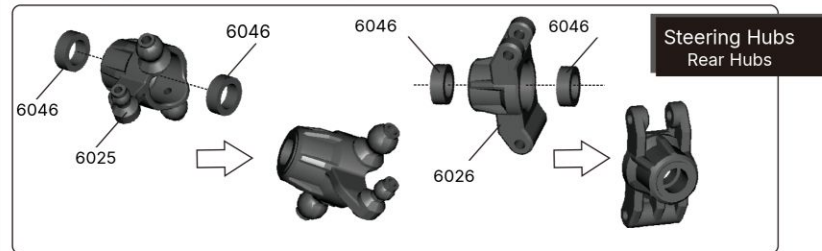
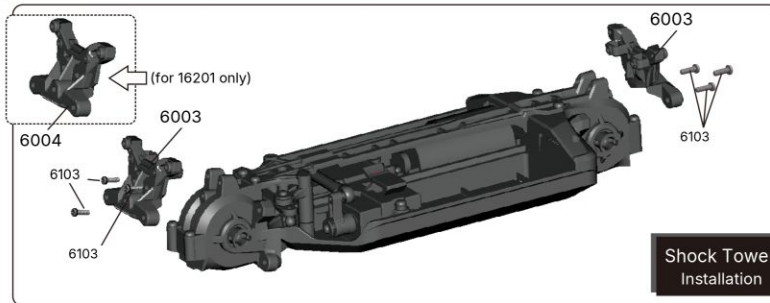
Assembly View-B



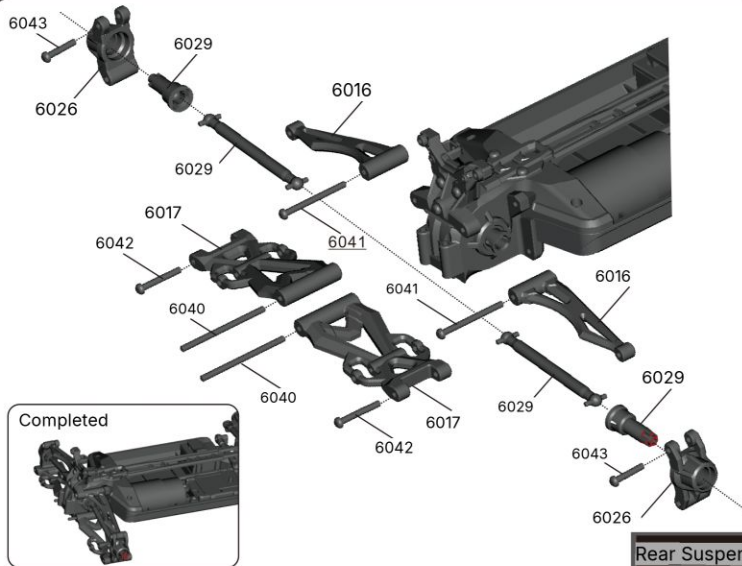
Assembly View-C



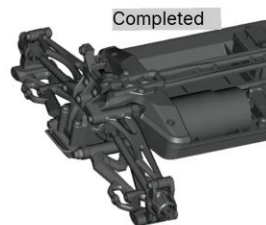
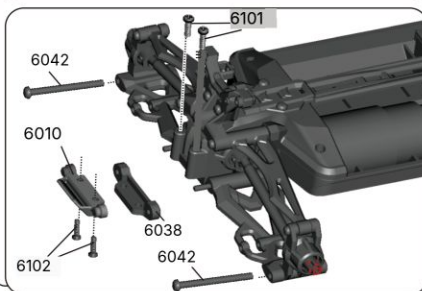
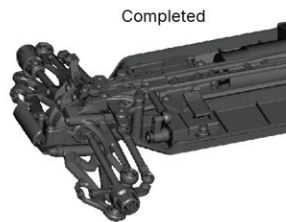
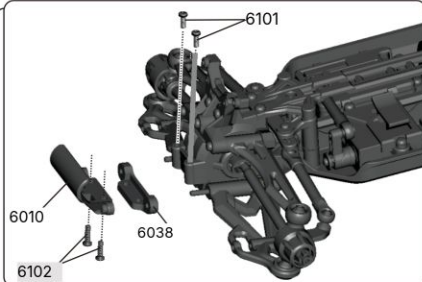
Assembly View-D



Assembly View-E

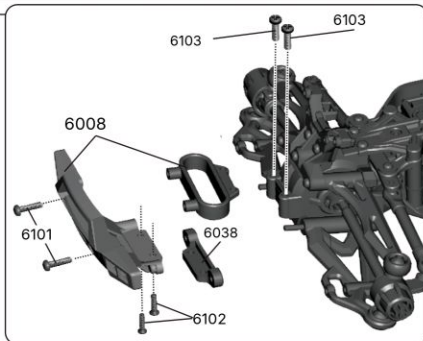


Rear Suspension Assembly



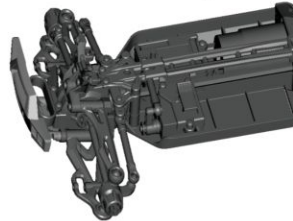
**Front/Rear Bumper
(only for 16201)**

Assembly View-F

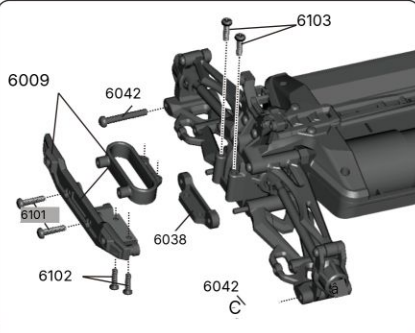


(for 16101,16102)

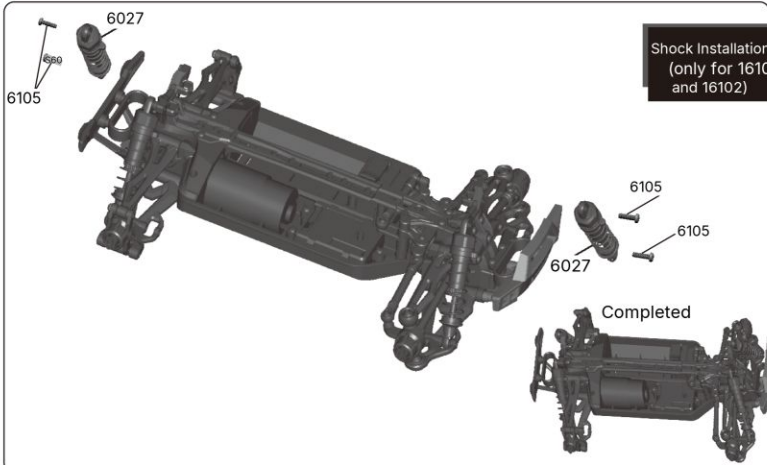
Completed



Front/Rear Bumper



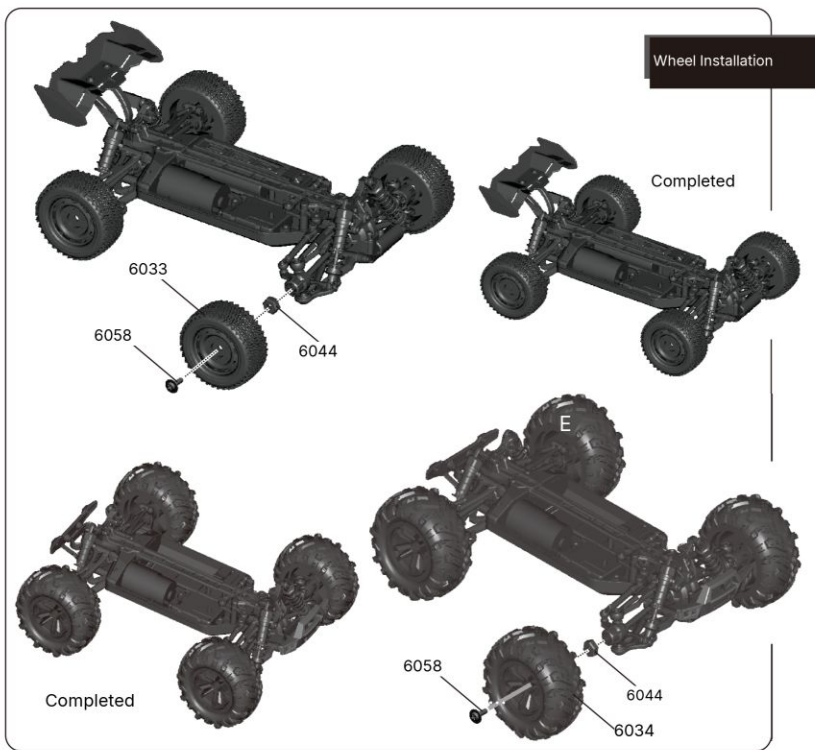
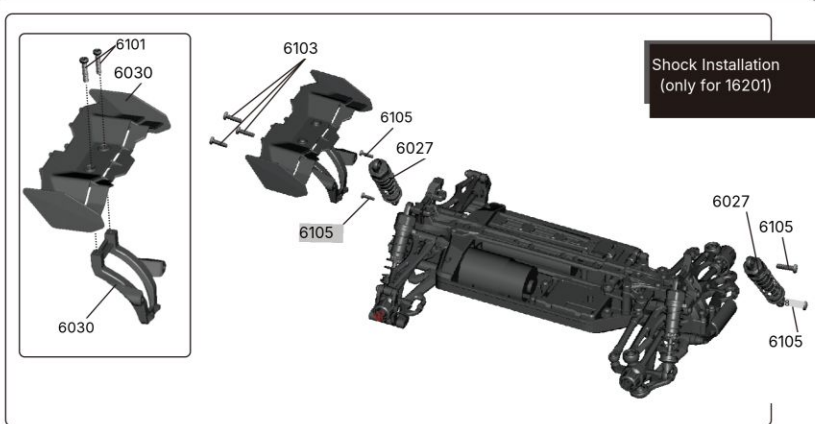
Completed



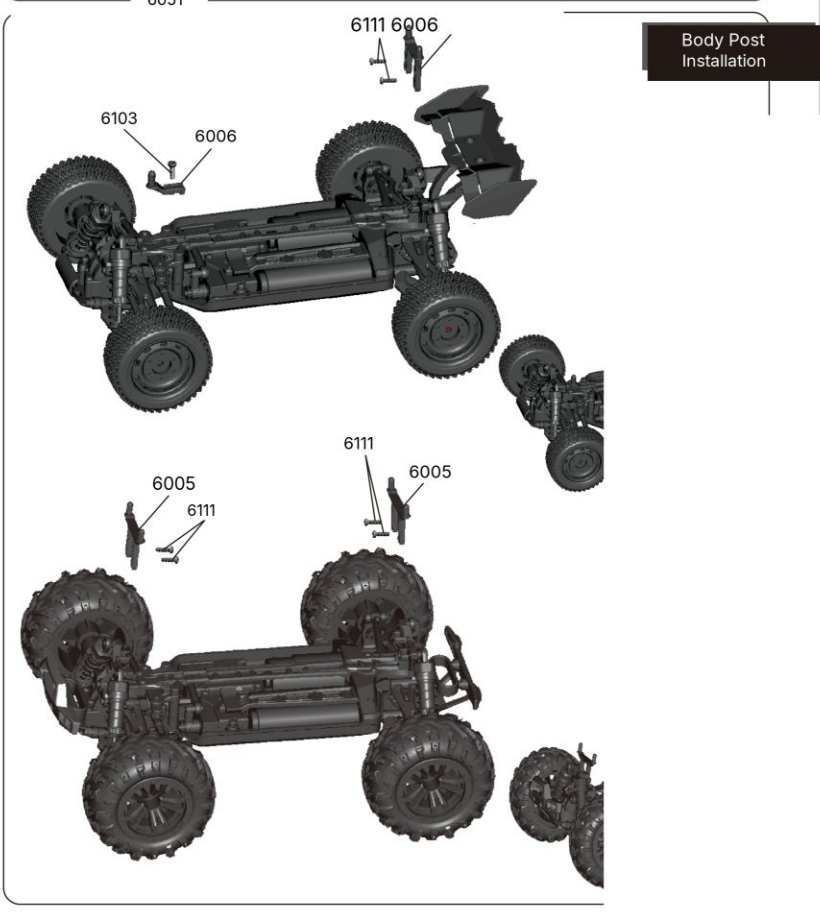
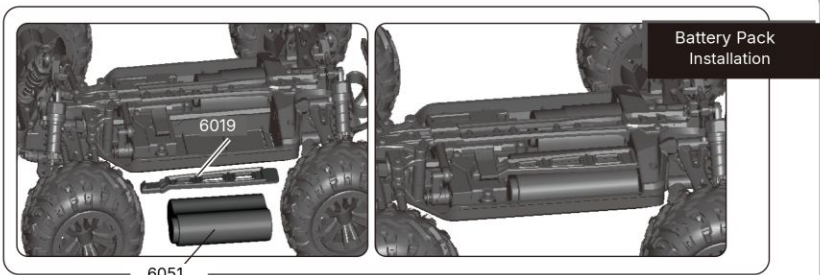
Shock Installation
(only for 16101
and 16102)

Completed

Assembly View-G

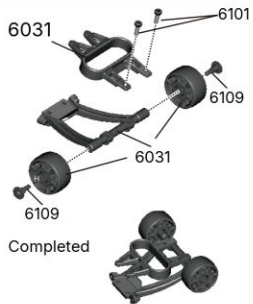


Assembly View-H

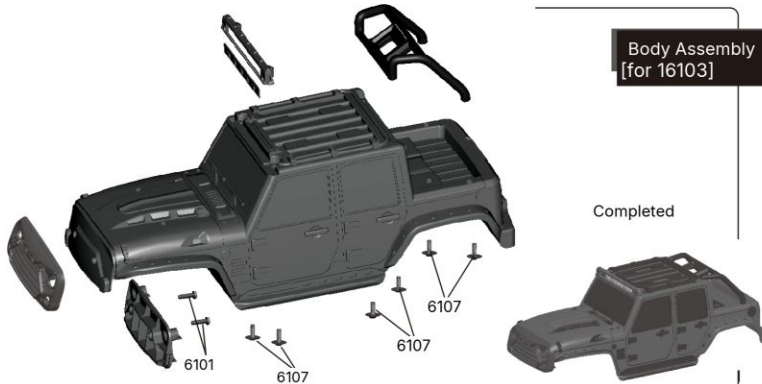
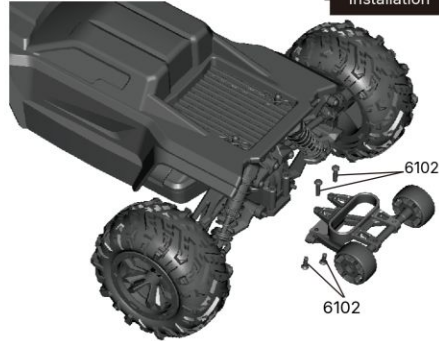
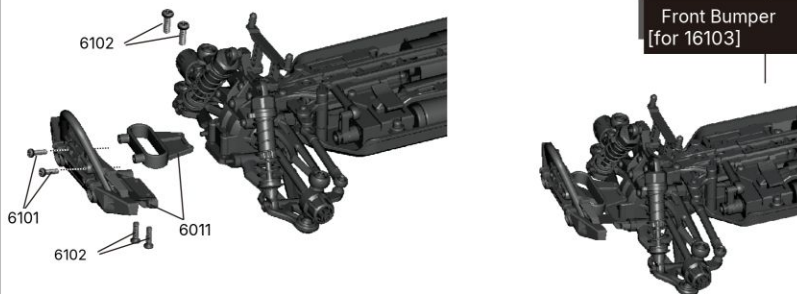


Completed Completed 1

Assembly View-J



optional part exclusive for
16101 and 16102

Wheelie Bar
InstallationBody Assembly
[for 16103]Front Bumper
[for 16103]

Spare Part List-1

6001	6002	6003	6004
		For 16101, 16102 and 16103 only 	For 16201 only 
Chassis	Upper Deck	Shock Towers(Fr./Rr.)	Shock Towers(Fr./Rr.)
6005	6006	6007	6008
For 16101 and 16102 	For 16201 only 	For 16103 only 	For 16101 and 16102 
Body Post Mount	Body Post Mount	Body Post Mount	Front Bumper/Brace/Headlight Cover
6009	6010	6011	6012
For 16101, 16102 	For 16201 only 	For 16103 only 	For 16103 only 
Rear Bumper/Brace Front	Rear Bumper Front	Rear Bumper/Brace Rear	Rear Bumper/Brace
6013	6014	6015	6016
			
Steering Assembly Sway Arms(L/R)	Front Upper Sway Arms(L/R)	Front Lower Sway Arms(L/R)	Rear Upper Sway Arms(L/R)
6017	6018	6019	6020
			
Rear Lower Sway Arms(L/R)	Steering Links/Servo Link	Battery Clasp	Front Gear Box Top Housing

Note: Part Photos may vary from the ones on your models.

Spare Part List-2

6021	6022	6023	6024
			
Rear Gear Box Top Housing	Spur Gear/Drive Pinions	Diff.Complete(Fr./Rr.)	Servo Saver Assembly
6025	6026	6027	6028
			
Steering Hubs(L/R) Rear Hub Carriers(L/R)	Shock Absorbers (2P) Shafts (2P)	Front Universal Drive	Front Universal Drive
6029	6030	6031	6032
			
Rear Drive Shafts/ Rear Wheel Shafts	Wing/Wing Stay	Wheelie Assembly	Plastic Pivot Balls (8P)
6033	6034	6035BL/6035W/6035GY 6036	
For 16201 	For 16101 and 16102 	For 16103 6035BL (with black rims) 6035W (w/white rims) 6035GY 	
Pre-mounted Wheels w/White Rims (2P)	Pre-mounted Wheels (w/Black Rims) (2P)	Pre-mounted Wheels(2P)	Center Drive Shaft 4x153mm
6037	6038	6039	6040
			
Motor Mount	Suspension Braces 4x30mm(2P)	Steering Posts	Front/Rear Lower Sway Arm Inside Hinge Pins 2.5x40mm(4P)

Note: Part Photos may vary from the ones on your models.

Spare Part List-3

6041	6042	6043	6044
			
Front Upper Sway Arm Inside Hinge Bolts Outside Hinge Bolts 2.5x29.5mm (4P)	Rear Lower Sway Arm Outside Hinge Bolts Outside Hinge Bolts 2.5x25.5mm (4P)	Rear Upper Sway Arm Outside Hinge Bolts 2.5x14mm (4P)	Wheel Hex.(4P)
6045	6046	6047	6048
			
Ball Bearings 8x13x3.5mm (6P) 6.35mm (6P)	Ball Bearings 9.5x3.2mm (10P) (2.4GHz, 7.4V)	ESC/Receiver	Aluminum Motor Heat Sink
6049	6050	6051	6052
			
Motor with motor pinion installed	Steering Servo (5-wire, 17g)	Cylindrical Li-ion Battery 7.4V,1300mAh	USB Charger
6053	6054	6055	6056
			
Transmitter	Headlight	Headlight	Top Light
6057	6058	6059	6060
			
Body Clips (8P)	Wheel Lock Screws 2.6x15mm(8P)	Shock Absorber Clasps (4P)	Small Screw Driver

Note: Part Photos may vary from the ones on your models.

[Ta]

Spare Part List-4

6061  For 16103 only Cross-country Truck Front Mask Light	6100  Motor Mount Screws 2.5x6mm(10P)	6101  Pan Head Self-Taping Screws 2.6x8mm(10P)	6102  Pan Head Self-Taping Screws 2.6x9mm (10P)
6103  Pan Head Self-Taping Screws 2.6x10mm(10P)	6104  Pan Head Self-Taping Screws 2.6x25mm(10P)	6105  Pan Head Screws 2.5x12mm (10P)	6106  Meson Head Self-Taping Screws 2.6x6mm (10P)
6107  Meson Head Self-Taping Screws 2.3x6mm(10P)	6108  Meson Head Self-Taping Screws 2.3x12mm(10P)	6109  Pan Head Step Self-Taping Screws 4x13mm(10P)	6110  Flat Head Self-Taping Screws 2.3x6mm(10P)
6111  Flat Head Self-Taping Screws 2x10mm(10P)	6112  Flat Head Self-Taping Screws 2x15mm(10P)		
Race Buggy Body For 16201 only  6200 (Green) 6201 (Yellow)	Race Truggy Body For 16101 only  6201 (Purple) 6211(Orange) 6212 (Blue)	Race Truck Body For 16102 only  6220 (Green) 6221 (Red)	Cross-Country Truck Body For 16103 only  6230 (Grey) 6231 (White) 6232 (Orange)

Note: Part Photos may vary from the ones on your models

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adult's s Operation under supervision RESERVED

INSTRUCTION MANUAL

FULLY ASSEMBLED

Model:16101

Race Truggy



4WD

OFF-ROAD
VEHICLE

Note: To spare the space on package, the wing is dismantled at factory. Please install it before driving.

Thank you for the purchase of our cars.
Wish you great fun!

Model:16201

Race Buggy R/C Vehicle



GRADE

HOBBY 1/16 SCALE

1/16 SCALE 4WD BATTERY POWERED R/C VEHICLE