



# USER MANUAL

## OFF-ROAD CRAWLER

NO.EX86170



ROCK CRAWLER



**WARNING:**  
This product is only for 14 years old or above

#### Notes:

- ⇒ Read and understand the instructions carefully before operating or assembling your racing model.
- ⇒ Specifications are subject to change without prior notice, and actual received model may vary from the images and/or descriptions in this manual.

The product has conducted IQC (Input Quality Control) and full inspection before delivery. The manufacturer is responsible for quality assurance. Remote Control model is assembled manually, and then there may have some defects in the production process. Once the product is modified or incorrect operation, it cannot apply for replacement and return services, for the parts and accessories may be damaged. Please contact the retail seller for after-sales service when needed.

The product conforms to technical requirements of export safety regulations.



Please read and follow all the instructions in the manual before use.

MADE IN CHINA

Factory Address: Huang Jiang Town, Dong Guan City, Guang Dong Province, China

Production Date: refer to packing instruction



# Introduction

We would like to welcome you to the world of remote control cars. What are RC cars? The simple answer is that they are radio controlled cars that respond precisely to your command. The more complete answer is that they can be a great addition to your lifestyle. RC car building and racing teach valuable mechanical and electrical skills, promote teamwork and encourage racers to test their skills with other racers from around the world. Whether you are just having fun racing your car in your backyard or racing at the world competition contest, radio controlled car racing is a great hobby.

We have been making RC products aimed at making our hobby fun and exciting with an affordable price. We are confident that your experience with our products will be positive. Of all the radio controlled models out there, no question about it, RC cars are the hardest to operate. This user manual covers a wide range of topics from nitro powered remote control cars to electrical powered remote control cars. We highly recommend that you read this user manual thoroughly and carefully before assembling and operating. Please follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance, and tuning.




This product is not a toy. It is not recommended for children under 14 years old and any minor should be accompanied by an adult when operating. This product is a precision machine that requires proper assembly and setup to avoid accidents. Failure to take caution when operating this product may result in serious injury or property damage. It is the owner's responsibility to operate this product in a safe manner. Manufacturer and its distributors are not responsible in any way for any and all bodily injury(s) and/or property damage that may occur from the use of or caused by in any way or this product.



## Warnings

- The product is not intended for those under 14 years of age without proper adult supervision. The product is not a toy. It is a precision machine requiring proper assembly and setup to avoid accidents and it is the responsibility of the owner to operate this product in a safe manner as it can cause serious personal injury and damage to property due to carelessness or misuse.
- Do not attempt to disassemble or modify any of the product components without the assistance of an experienced RC user.
- Only use the correct type of battery to operate. Using any wrong type of battery will damage the product and possibly make it dangerous to operate.
- The motor(s) may get hot during use. Always allow 10-15 minutes between each operation for the motor to cool down. This will prolong the life of your product.
- Choose an appropriate operating site consisting of flat, smooth ground, and clear open field. Do not operate near buildings, high voltage cable lines, or trees to ensure safety operation. Operate in safe area only, away from other people. RC models are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, user error, and radio interference. Users are responsible for their actions and damage or injury occurring during the operation.
- Do not operate in inclement weather, such as rain, wind, snow or darkness.
- The product is composed of precision electrical components. It is critical to keep the product away from moisture and other contaminants. Do not allow them to get wet. Electrical damage may occur that could affect safe operation.
- You should complete a successful pre-run check of your radio equipment and model prior to each run.
- Use replacement parts from the original manufacturer to ensure safe operation.
- Operate this product within your ability. Do not operate under tired condition
- After each use, always allow the battery to cool down before recharging. When charging the battery pack, do not overcharge! If batteries get hot during charging, discontinue charging immediately and disconnect the battery from the charger. Never leave battery unattended while charging. If you are unsure of how to charge this battery, please seek the advice of experienced RC users. Never let children charge the battery without adult supervision.
- Always turn on the transmitter before connecting the battery on the model. When turning off the model, always disconnect the battery first, and then turn off the transmitter. If the order is reversed, the model may become uncontrollable and cause serious damage.
- If you are in doubt of your ability to operate the model, we strongly recommend that you seek assistance from experienced RC users or join your local modeling club to gain the required knowledge and skill. As the manufacturer and distributor, we assume no liability for the use of this product.
- Before turning on your model and transmitter, please check to make sure no one else is operating under the same frequency. Frequency interference can cause your model, or other's models to crash. The guidance provided by experienced RC users will be valuable for the assembly, tuning, trimming, and actual first flight.
- Never allow batteries to run low or you might lose control of the model.
- Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Do not store the model near any source of heat such as oven or heater. Store the model indoors, in a climate-controlled, room temperature environment.
- Never shorten the receiver antenna; or this might affect the transmitting range of the radio system.
- This product is a RC hobby model, do not use for other purpose.

# Safety

Pay close attention to the following symbols and their meanings. Failure to follow these warnings could cause damage, injury or death.

 <b>Danger</b>	Not following these instructions may lead to serious injuries or death.
 <b>Warning</b>	Not following these instructions may lead to major injuries.
 <b>Attention</b>	Not following these instructions may lead to minor injuries.

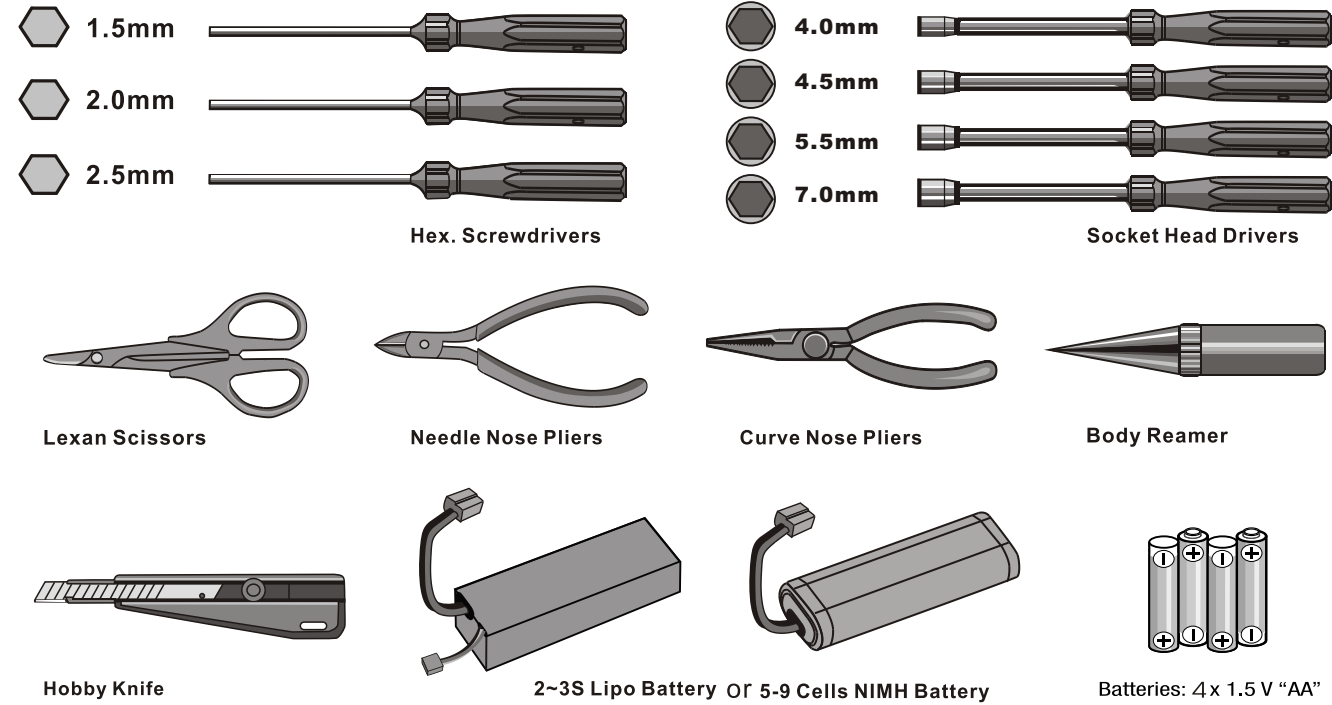
 <b>Prohibited</b>	<ul style="list-style-type: none"> <li>■ Do not use the product at night or in bad weather like rain or thunderstorm. It can cause erratic operation or loss of control.</li> <li>■ Do not use the product when visibility is limited.</li> <li>■ Do not use the product on rain or snow days. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.</li> <li>■ Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:             <ul style="list-style-type: none"> <li>● Near any site where other radio control activity may occur</li> <li>● Near power lines or communication broadcasting antennas</li> <li>● Near people or roads</li> <li>● On any body of water when passenger boats are present</li> </ul> </li> <li>■ Do not use this product when you are tired, uncomfortable, or under the influence of alcohol or drugs. Doing so may cause serious injury to yourself or others.</li> <li>■ The 2.4GHz radio band is limited to line of sight. Always keep your model in sight as a large object can block the RF signal and lead to loss of control.</li> <li>■ Do not touch any part of the model that may generate heat during operation, or immediately after use. The engine, motor or speed control, may be very hot and can cause serious burns.</li> </ul>
 <b>Mandatory</b>	<ul style="list-style-type: none"> <li>■ Misuse of this product may lead to serious injury or death. To ensure the safety of you and your equipment, read this manual and follow the instructions.</li> <li>■ Make sure the product is properly installed in your model. Failure to do so may result in serious injury.</li> <li>■ Make sure to disconnect the receiver battery before turning of the transmitter. Failure to do so may lead to unintended operation and cause an accident.</li> <li>■ Ensure that all motors operate in the correct direction. If not, adjust the direction first.</li> <li>■ Make sure the model stays within the systems maximum range to prevent loss of control.</li> </ul>

Thanks for purchasing our RC car. The power system for RC model can be very dangerous, so please read this manual carefully. In that we have no control over the correct use, installation, application, or maintenance of our products, no liability shall be assumed nor accepted for any damages, losses or costs resulting from the use of the product. Any claims arising from the operating, failure of malfunctioning etc. will be denied. We assume no liability for personal injury, consequential damages resulting from our product or our workmanship.



# START GUIDE

## 1. Please read the manual carefully and prepare the following things before use.



## 2. The items inside the box.

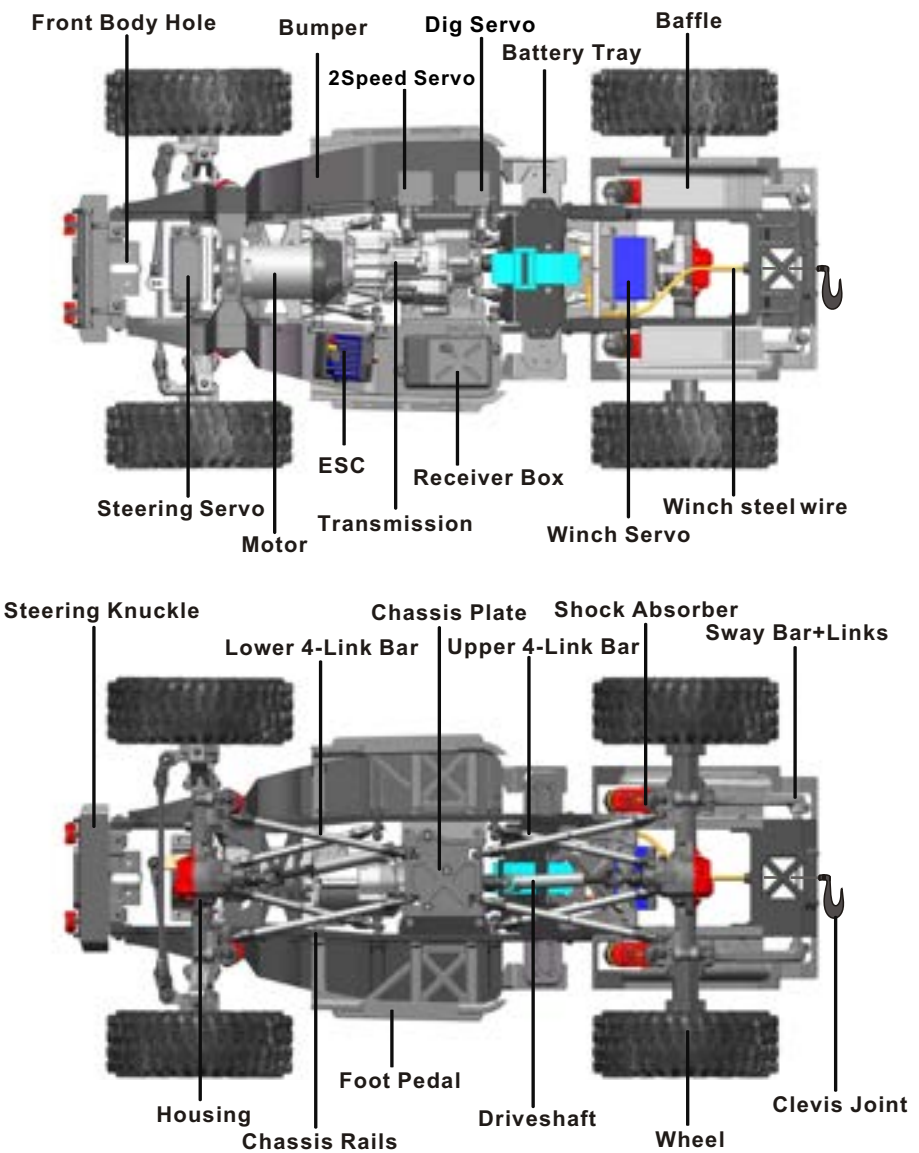


## 3. Please check the whole product condition when open the package.

- 3-1. After each day of running, you should check your shocks for adequate fluid. If the fluid is low, or it is getting dirty, you should change the fluid in the shocks. To achieve better performance, you may also want to change the shock fluid and or the pistons.
- 3-2. Gear mesh is the clearance between the pinion and spur in an electric car or clutch bell and spur in a nitro car. It has impact on the vehicles performance. If the gear mesh is not set properly you may also damage the clutch bell and spur or the pinion gear and spur gear as soon as the vehicle starts running.
- 3-3. Please check if the screw is tight enough before use. Screw it tight (or apply the screw glue if necessary)
- 3-4. Regularly check and verify the tires are intact. No breach should be observed. Please apply the CA glue if needed.

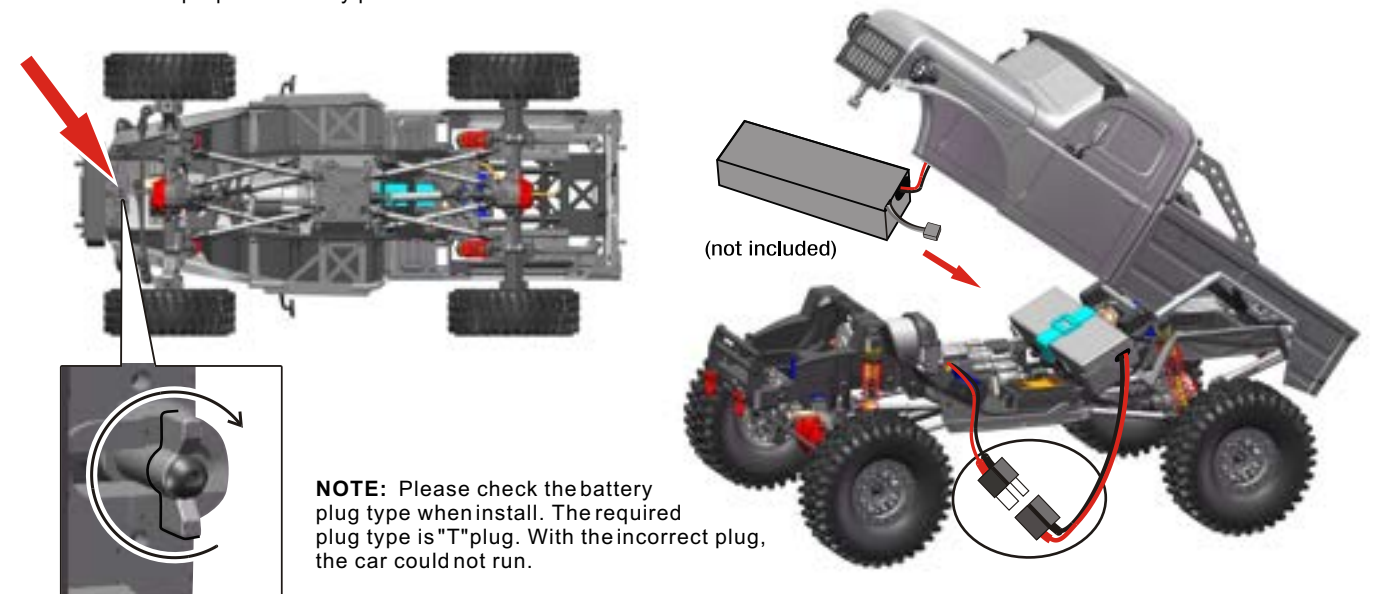


## 3-5. Vehicle parts



## 4-1. Install Charged Batteries In Car.

Please turn the button in clockwise(90 degree) as shown, then install the prepared battery pack.

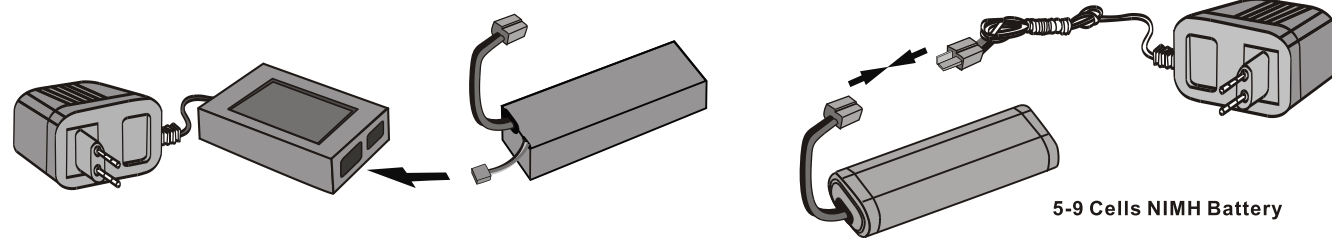


## 4-2. Battery Specifications for Product

### WARNING:

NO battery includes in factory. Recommend battery: 2S~3S LIPO battery or 5-9 cells NIMH battery (please match the ESC mode with the corresponding battery type) Pay attention to the battery size and plug specification when purchasing. The maximum battery measurement is 142\*48\*55mm (LxWxH).

This product can use the 2S or 3S Li-Po battery.



### NOTICE

Please check the battery voltage before use. Please use a qualified charger to charge the newly purchased battery. (please read the charging steps in manual when necessary)

## Charge the vehicle battery

- Connect charger plug with mains jack and then connect with connector of battery.
- Please be care of safety while charging, please remove charger plug from the mains jack once finish charging. Will be over heat if it is too long to be charging or incorrect charging way. must stop charging if over 45 degree for the battery temperature.
- Do not charge for battery at once when you take it away from your car. Please make sure battery in cool condition before recharge battery to keep battery performance running well and get a longer use life.

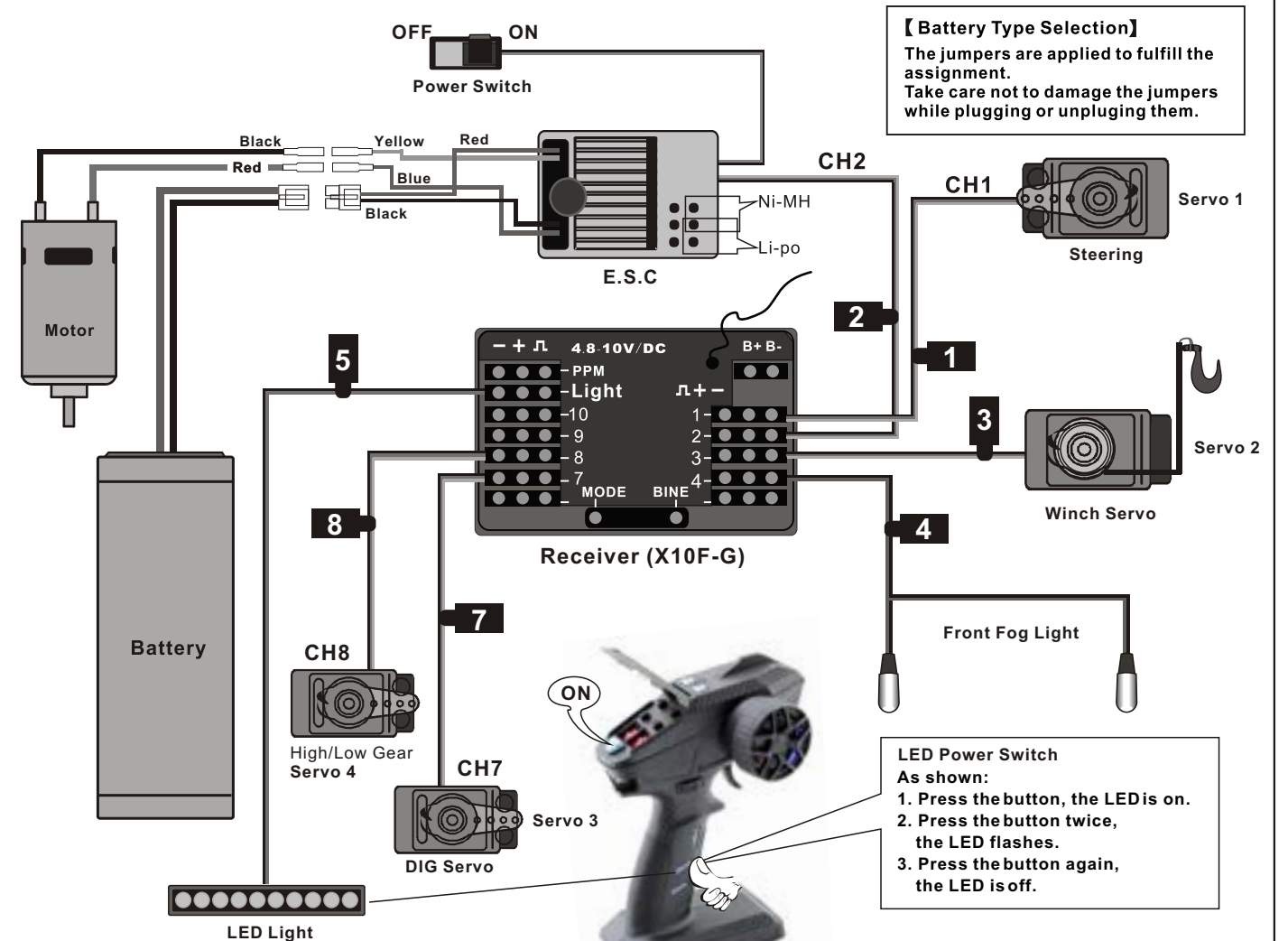
## NiMH Battery Instructions

- Never dispose of NiMH batteries in a fire or store near sources of heat.
- Only use the supplied NiMH charger to charge the NiMH battery. Using another charger may permanently damage the battery and surrounding components and may also lead to injury.
- Batteries should only be charged on a fireproof surface, away from any flam-mable materials.
- Never leave the battery unattended when charging or discharging.
- Batteries must be discharged or fully exhausted before being disposed of. Cover exposed poles with adhesive tape to prevent short-circuiting!
- Never disassemble or alter the battery contacts. Do not damage or puncture battery cells. Doing so would result in an explosion hazard!
- Keep the NiMH battery away from children.

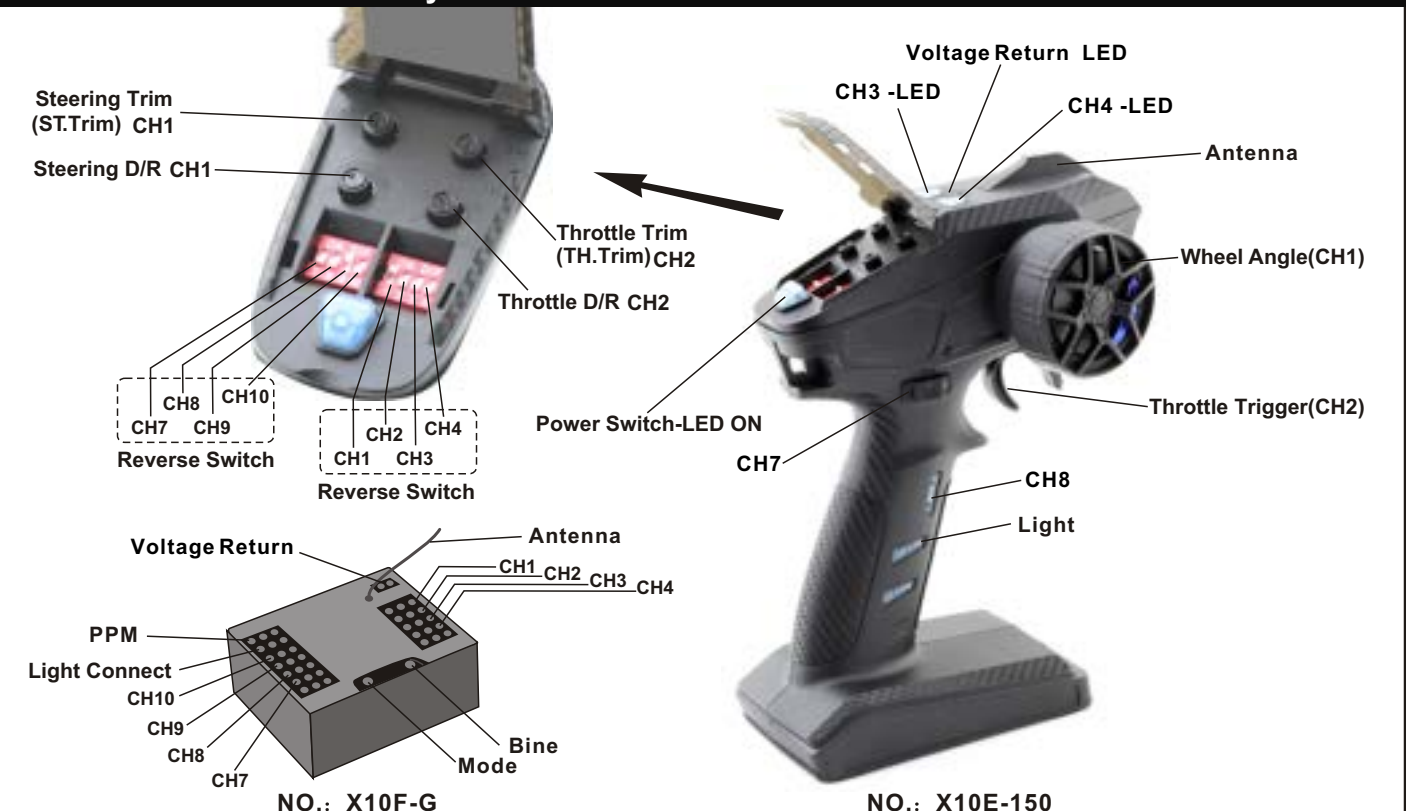
## Lithium Polymer (LiPo) Battery Warnings

- Never charge a lithium polymer battery with a charger designed for NiCd, NiMH, or any other type of battery chemistry. Use ONLY charger designed for LiPo battery.
- Do not leave LiPo battery unattended during charging.
- Do not overcharge the battery.
- Always place the battery on a heat resistant surface alone when charging.
- Always put the LiPo battery inside a charging protection coatner while charging.
- Do not allow LiPo cells to overheat at any time. Cells which reach greater than 140 Fahrenheit (60C) will usually become damaged and will catch fire.
- Do not charge LiPo cells on or near combustible materials including paper, plastic, carpets, vinyl, leather, and wood. inside an R/C modl or full size automobile.
- Do not discharge LiPo; doing so will damage the battery.
- Do not expose LiPo cell to water or moisture at any time.
- Do not store battery near open flame or heater.
- Do not assemble LiPo cells or pre-assembled packs together with other LiPo cells or packs.
- Always store LiPo battery in a secure location away from children.
- Always remove the LiPo battery if model is involved in any kind of crash. Carefully inspect the battery and connectors for even the smallest damage. CAUTION: cells may be hot!
- Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte. Do not alter or modify connectors or wires of a LiPo battery pack.
- Always inspect the condition of the battery before charging and operating.
- Do not short circuit the LiPo battery.
- Do not have contact with a leaky/damaged battery directly.
- Do not charge battery out of recommended temperature range (0C - 45C).

## 4-3. Scheme of installation



## 5-1. XA8 2.4GHZ Radio System

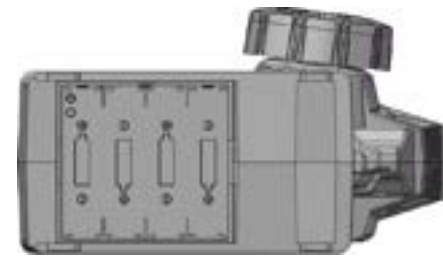
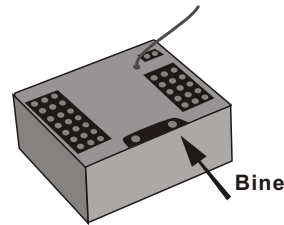
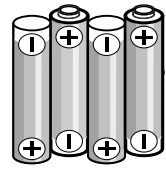


### Install The Transmitter Batteries

#### Battery Installation:

1. Open the battery compartment cover.
2. Insert 4 AA fully charged batteries or 2S Li-Po batteries in correct polarity. (No response if battery polarity reversed.)
3. Close battery compartment cover.

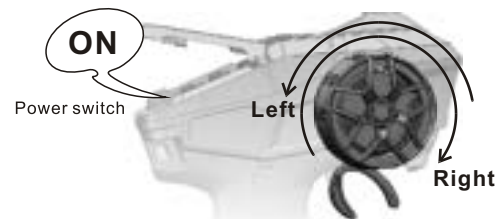
Batteries: 4 x 1.5 V "AA" (not included)



#### Binding Process:

1. Press receiver button, LED indicator fast flashing means entering into binding mode, the receiver will automatically looking for the nearest transmitter signal.
2. The indicator will always ON after successful bond.

## 5-2. Transmitter Steering Trim and Throttle Trim

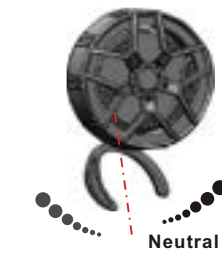


1. Move the control wheel to the left, vehicle turns left.
2. Do not move the control wheel, the front wheels are aligned and the vehicle goes straight in line.
3. Move the control wheel to the right, vehicle turns right.

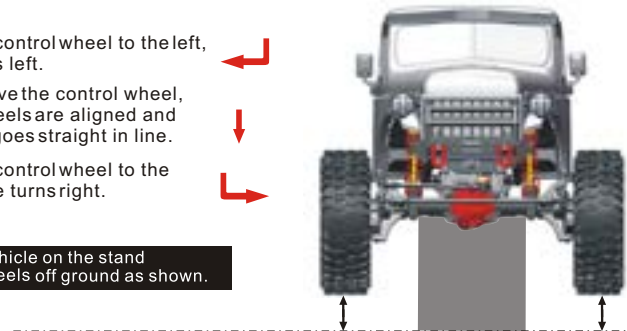
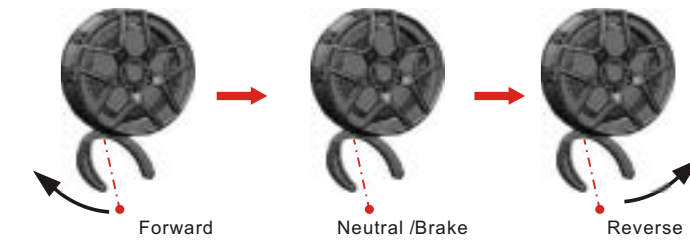
#### Note

Place the vehicle on the stand with four wheels off ground as shown.

**Wheel Angle**  
the maximum rotation of the Steering wheel is 35 degrees From center to left or right



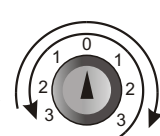
**Throttle trigger,** has a total throw of 12 degrees, 12.5 degrees forward, and 12.5 degrees backward  
The heavier you pull or push the trigger, the faster acceleration will be.  
Note: Release the throttle trigger button, activate the brake mode automatically. (Only for Crawler)



## 5-3. Transmitter Steering and Throttle Instruction



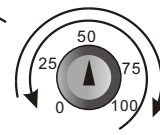
**(ST.TRIM)**  
ST.TRIM / R : Increase adjustment step  
ST.TRIM / L : Decrease adjustment step



**(TH.TRIM)**  
TH.TRIM / R : Increase adjustment step  
TH.TRIM / L : Decrease adjustment step



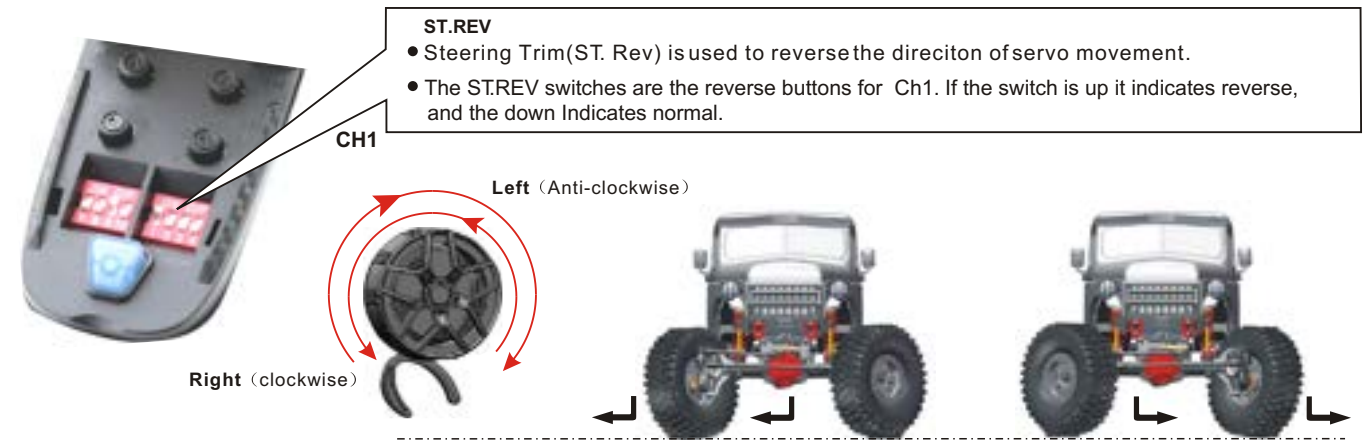
**(Steering D/R)**  
STD / R + : increase servo travel.  
STD / R - : decrease servo travel.



**(Throttle D/R)**  
TH.D / R + : increase throttle travel.  
TH.D / R - : decrease throttle travel.

#### Note:

- Please trim the Throttle Trim (TH. Trim) until the vehicle stops in case the vehicle goes forwards or backwards itself just after it is turned on.
- If the front wheels are not aligned, please trim "steering trim" (ST.TRIM) until they are aligned.
- The STTRIM is the trims for Ch1 (steering). You can trim the Steering Trim until it fulfills your desired steering angles.
- ST.D / R is for servo travel adjustment, which can be multiplexed as CH2 (throttle).



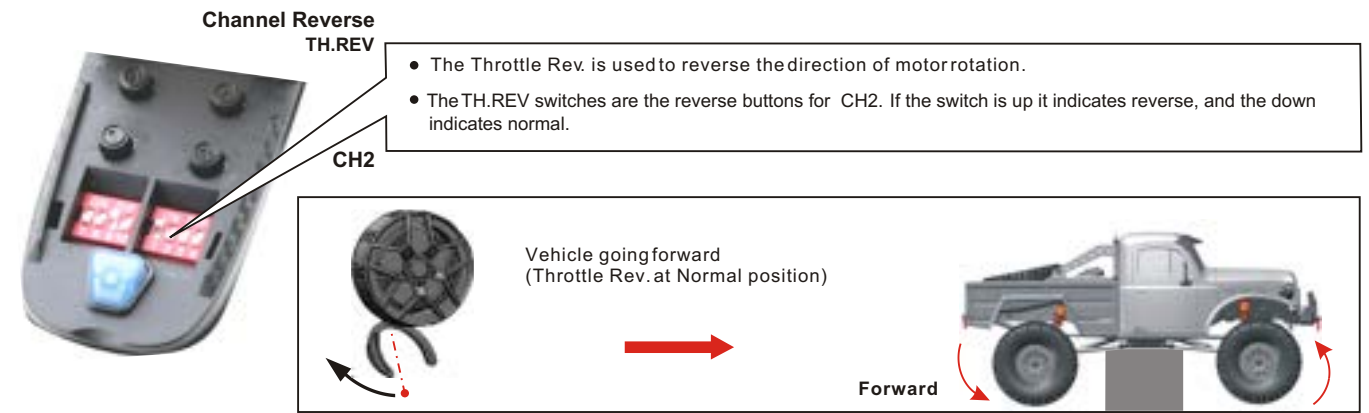
#### ST.REV

- Steering Trim (ST. Rev) is used to reverse the direction of servo movement.
- The ST.REV switches are the reverse buttons for Ch1. If the switch is up it indicates reverse, and the down indicates normal.

Right (clockwise)

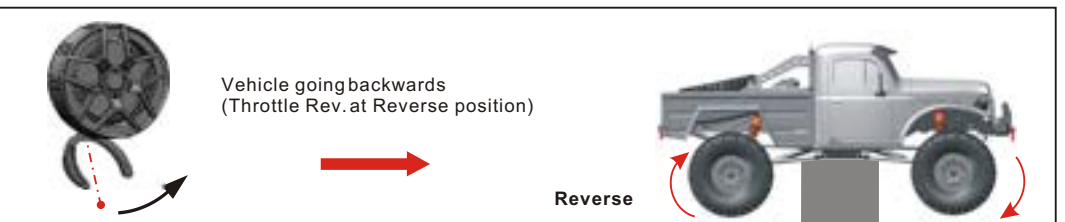
Left (Anti-clockwise)

- Vehicle turning left when the control wheel is turned to the left (Steering Rev. At Normal position)
- Vehicle turning right when the control wheel is turned to the right (Steering Rev. at Reverse position)



#### Channel Reverse TH.REV

- The Throttle Rev. is used to reverse the direction of motor rotation.
- The TH.REV switches are the reverse buttons for CH2. If the switch is up it indicates reverse, and the down indicates normal.



## 5-4 Servo Winch Hook Function

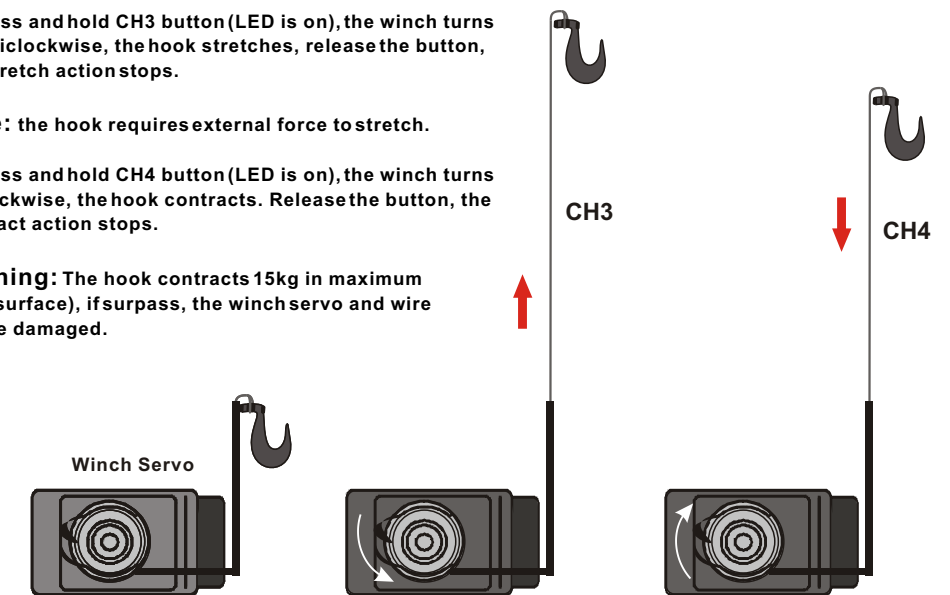


1. Press and hold CH3 button (LED is on), the winch turns in anticlockwise, the hook stretches, release the button, the stretch action stops.


**Note:** the hook requires external force to stretch.

2. Press and hold CH4 button (LED is on), the winch turns in clockwise, the hook contracts. Release the button, the contract action stops.

**Warning:** The hook contracts 15kg in maximum (flat surface), if surpass, the winch servo and wire will be damaged.



### 5-5 DIG Function instruction



**The standard mode - 4WD**


**Front-wheel drive mode**

**Front-wheel drive mode + Rear Housing Lock**

**Reverse Switch**

4WD      2WD      2WD+rear housing lock

### 5-6. Shifting the High-Low Transmission



**Low Gear** (13T)

**High Gear** (9T/17T)

**Please stop or slow down the vehicle when shifting gear, from low-speed to high-speed or from high-speed to low-speed, in order to make the shift operation more smoother and protect the gear.**

- Press CH8 button, the button light is on, switch to high-speed gear
- Press CH8 button again, the button light is off, switch to low-speed gear

### 6. User Manual of Water-Proof Brushed Speed Controller

**WP-1060-BRUSHED**

Factory Setting

MODE: F/B/R, F/B, F/R

BATT: Lipo, NiMH

F/B/R: Forward, brake and reverse  
 F/B: Forward with brake  
 F/R: Forward and reverse (Crawler mode)

#### FEATURES

- \* Water-proof and dust-proof for all weather races.
- \* Small size with built-in capacitor module.
- \* Automatic throttle range calibration, easy to use.
- \* Multiple protections: Low voltage cut-off protection for Lipo or NiMH battery / Over-heat protection / Throttle signal loss protection.
- \* Easily programmed with the jumpers.

Model		WP-1060-BRUSHED
Cont. / Burst Current		Forward: 60A / 360A Backward: 30A / 180A
Input		2-3S Lipo, 5-9 Cells NiMH
Cars Applicable		1:10 on-road, off-road 1:10 Crawler, Tank & Boat
Motor Limit	2S Lipo or 5-6 cells NiMH	540 or 550 size motor ≥ 8T or RPM < 45000 @ 7.2V
	3S Lipo or 7-9 cells NiMH	540 or 550 size motor ≥ 13T or RPM < 30000 @ 7.2V
Resistance		Fwd: 0.0008Ohm, Bwd : 0.0016Ohm
Built-in BEC		3A/6V (Switch mode BEC)
Dimension & Weight		36*30*18, 40g

**Attention: The incorrect polarity will damage the ESC immediately. If the motor runs in the opposite direction, please swap these two wire connections.**

#### [PROTECTION FUNCTIONS]

- Low voltage Cut-off (LVC) protection: If the voltage of battery pack is lower than the threshold for 2 seconds, the ESC will enter the protection mode. When the car stops, the red LED blinks to indicate the low voltage cut-off protection has been activated.

Table A: LVC protection for WP-1060-BRUSHED, (F/B/R or F/B mode).

2S Lipo	3S Lipo	4S Lipo	5-9 cells NiMH
Output reduces 50% at 6.5V Output cuts off at 6.0V, cannot be recovered	Output reduces 50% at 9.75V Output cuts off at 9.0V, cannot be recovered	Output reduces 50% at 13V Output cuts off at 12V, cannot be recovered	Output reduces 50% at 4.5V Output cuts off at 4.0V, cannot be recovered

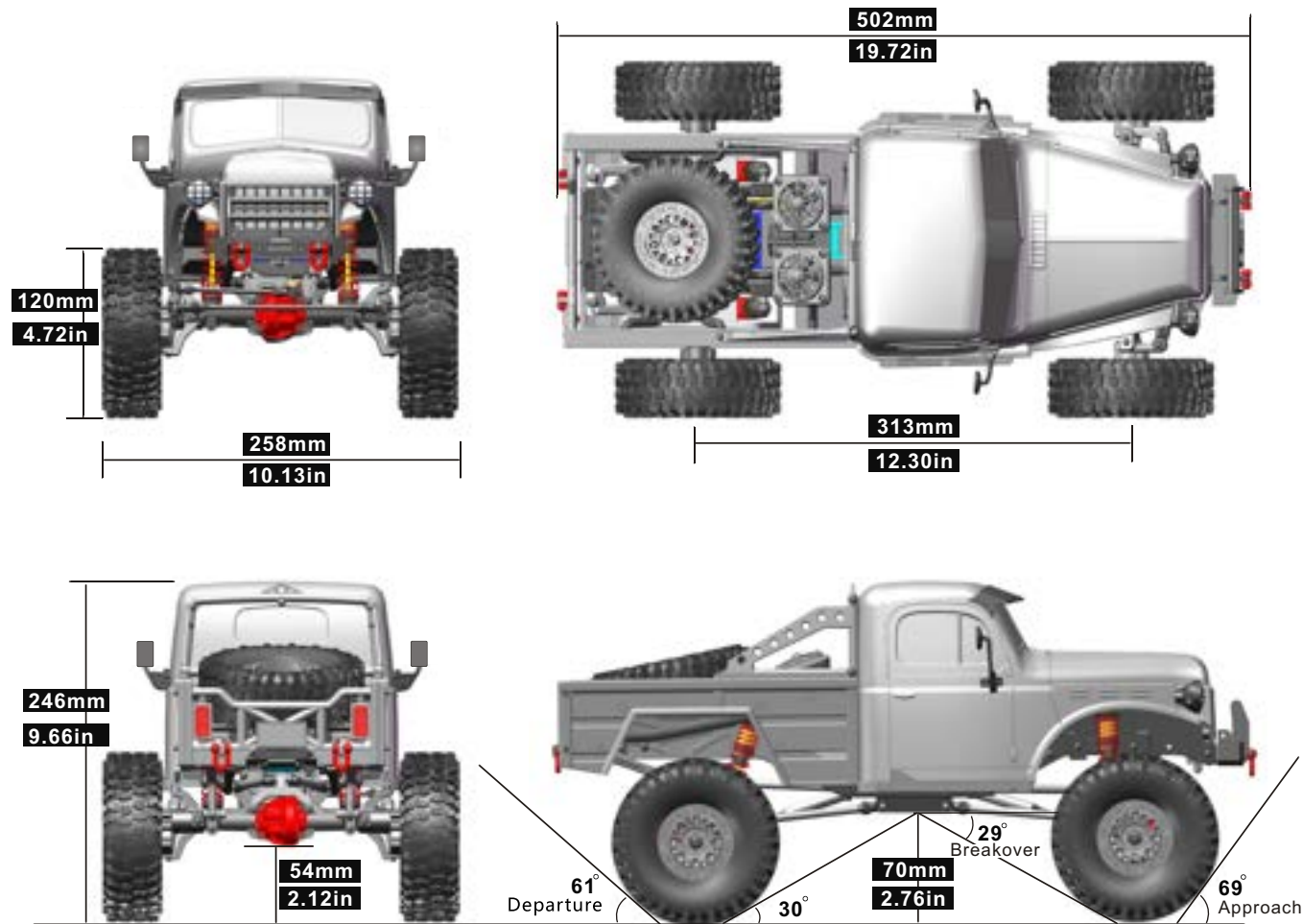
- Over-heat protection: When the internal temperature of the ESC is higher than 100 Celsius degree or 212 Fahrenheit degree for 5 seconds, the ESC will reduce and cut off the output power. When the car stops, the red LED blinks to indicate the over-heat protection has been activated. If the ESC cools down to 80 Celsius degree (176 Fahrenheit degree) the output power is recovered to normal state.
- Throttle signal loss protection: The ESC will cut off the output power if the throttle signal has been lost for 0.1 second. The Fail Safe function of the radio system is strongly recommended to be activated.

#### [TROUBLE SHOOTING]

Trouble	Possible Reason	Solution
After power on, motor can't work, no sound is emitted, and LED is off.	The ESC doesn't get its working voltage; Connections between battery pack and ESC are broken.	Check the battery wires connection or replace the defective connectors.
	Switch is damaged.	Replace the switch.
After power on, motor can't work; red LED blinks.	Throttle signal is abnormal.	Check the throttle wire connection; make sure it is plugged into the throttle channel of the receiver.
	Automatic throttle range calibration is failed.	Set the TRIM of throttle channel to 0 or turn the knob to its neutral position.
The car runs backward while giving throttle. (The motor runs in the opposite direction)	The wire connections between ESC and the motor need to be changed.	Swap two wire connections between the ESC and the motor.
The car can't go backward.	The jumper position is wrong.	Check the jumper and plug it to the correct position.
	The neutral point of throttle channel is changed or drifted.	Set the TRIM of throttle channel to 0 or turn the knob to its neutral position.
The car can't go forward, but can go backward.	The direction of throttle channel is not correct.	Reset the direction of throttle channel from original NOR to REV or from original REV to NOR.

Please review the ESC manual for more details.

## 7. EX86170 Challenger Specifications



Item No	EX86170	Wheel	120*45mm	Gear Ratio/Low	49.8:1(F), 53:1(R)
Item Name	CHALLENGER	Clearance	70mm (chassis) 54mm (steel)	Gear Ratio/High	26.3:1(F), 28:1(R)
Scale	1/10	Weight	3.20kg(No battery)	Steering Servo	25KG
Description	Crawler/Off-Road	Radio/Rx	2.4G/8CH(XA8)	Winch Servo	360 / 25KG
Drive Mode	Front-Wheel Drive +4WD	R/C Distance	<120m>100m	Function Servo	7.4V/9G (Gear/Lock)
Length	502mm	Battery Recommendations	2S or 3S Lipo, 5-9 Cells NIMH Battery	Body Type	PC Soft With Roll-cage
Width	258mm	Battery Size	<142*48*55mm(L*W*H)	Body Color	Green / Red/ Yellow
Height	246mm	Motor	RC550/6235	Gift Box Size	575*275*282(H)mm
Wheel Base	313mm	ESC	WP-1060 / 60A	Piece per Carton	1P

## 8. All the ways done, your car is ready to run. Hope you enjoy the fun in driving it.

**Tip:** Always turn off the receiver and then the transmitter when not in use. Clean the car before storage.

### Vehicle Maintenance:

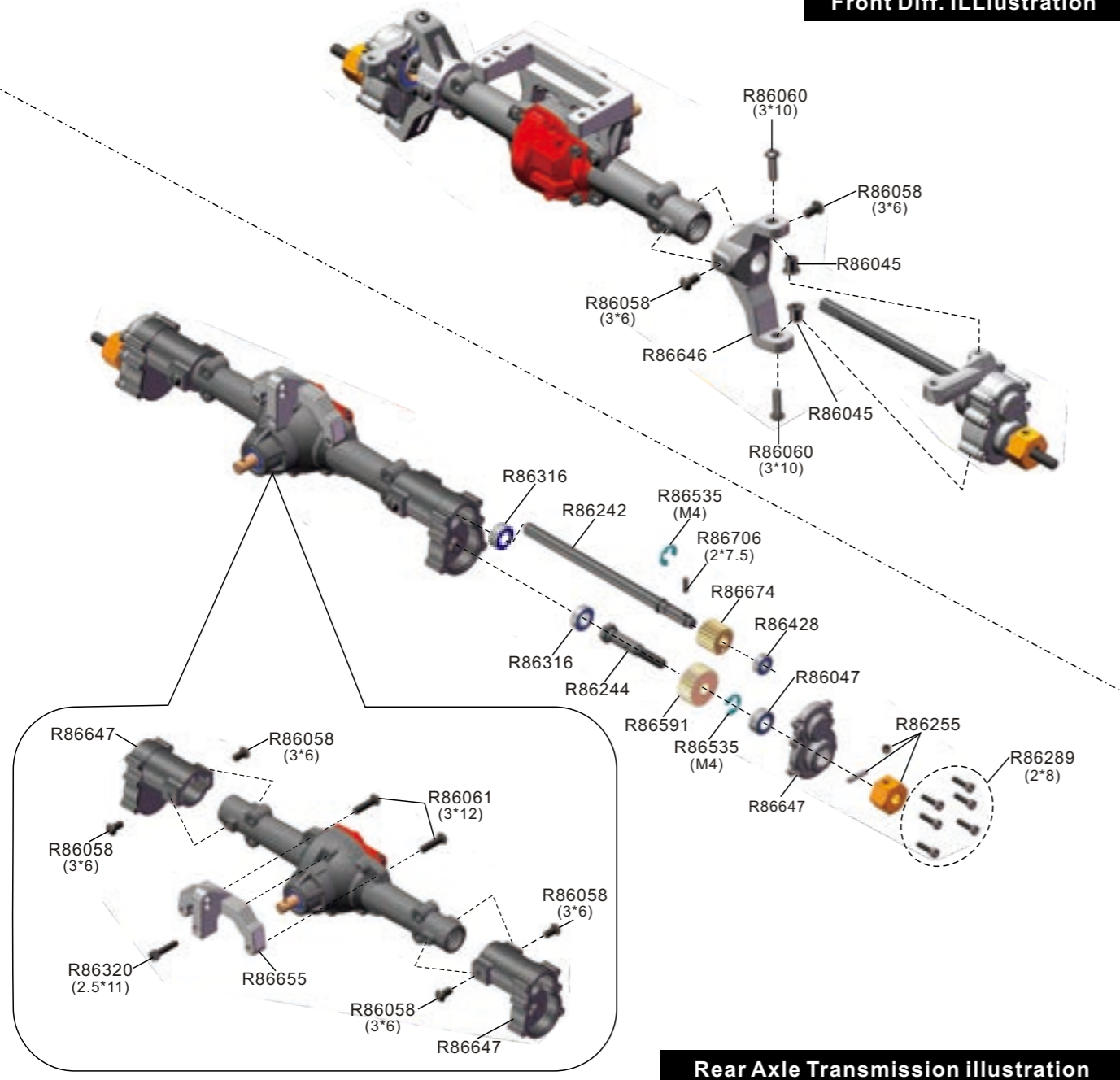
- 1). Please remove the battery pack plug or take it out, when the car is out of use.
- 2). Before each use, please redo the above steps and check all the parts condition if over wear.
- 3). Ensure the unused battery pack over-discharge (recommended to be above 40%), and keep in a dry and cool place, out of reach of children.
- 4). After each use, please carefully check all the parts condition, and repair or replace the worn part. Use a fine brush to sweep the sand, marl and other dirt inside the model, then wipe it cleanly by a soft cloth.

## 9. Troubleshooting

Problem	Possible Cause	Solution
Car does not respond during operation	Electronic plugs loose or fall off	Switch off and reconnect
	Vehicle battery not charged, activating the ESC low voltage cut-off to protect the battery	Replace/recharge the vehicle battery
	Motor or ESC dirty or damaged	replace new Motor (recommend to purchase factory Motor)
	ESC failed	replace new ESC (recommend to purchase factory ESC)
	ESC power off by overheated Motor	Stop operation and cool the ESC or Motor
	Motor overheated, demagnetized or damaged	replace new Motor (recommend to purchase factory Motor)
	Transmitter batteries low or beyond the remote control distance	Replace the transmitter batteries, adjust the remote control distance
No Backward, forward normally	Transmitter damaged	Relace or contact seller
	ESC "operation mode" setting error	Refer to manual "ESC", set "operation mode" into "forward and backward reverse with brake?"
	ESC damaged	Relace or contact seller
Car operate automatically, with no control	Throttle damaged or transmitter throttle not centered	Refer to manual "Transmitter", and reset
	Throttle trim out of center on transmitter	Refer to manual "Transmitter", and reset
Normal operation, speed shift failure	Neutral throttle is in incorrect position	Adjust ESC in neutral point
	Error Operation	Ensure to operate in stop status, more refer to the Manual
	Gear Cable damage or loose	Replace the accessory or Readjust
Sluggish Action	Servo wire inserts in wrong Receiver slot	Refer to the manual, Readjust
	Battery damaged / not charged	Check, change or recharge
	Throttle trim out of center on transmitter	Adjust (refer to manual "transmitter")
	Motor dirty/ damaged	Clean/ replace
Light Function Failure after Battery properly installed	Drivetrain dirty / damaged	Check and clean
	Light Plug is not connected or in wrong position	Check the plug connection
	Transmitter Set Error or Light Control Panel Damage	Reset the Transmitter. Otherwise, please check the light control panel is damaged or not.
Lack of steering and throttle	Light Cable in wrong installation and connection	Readjust the installation and Connection
	ESC power off by overheat	Stop operation, cool the ESC
Vehicle moves left / right without steering input	Transmitter too near interfere electrical objects	Check and rebind transmitter and receiver, refer to manual
	Steering accessories damaged	Check and replace
	Wheel loose	Check and replace
Controls Reversed	Drivetrain dirty / damaged	Check and replace
	ST. REV or TH. REV	Change switch position, refer to manual
Clicking noise in operation	Check the wires between ESC and Motor correct or not	Switch the motor black and red wire
	Check the bodyshell damaged or fall off	Retrim or replace
Only steering, no forward and backward	Loose or tight between motor gear and main gear	Reset gear mesh
	Gear damaged or rocked	Remove gear cover and inspect. If necessary, replace gear
Only steering, no forward and backward	ESC failed or abnormal	Reset the neutral point or replace
	Transmitter failed or abnormal	Relace or contact seller

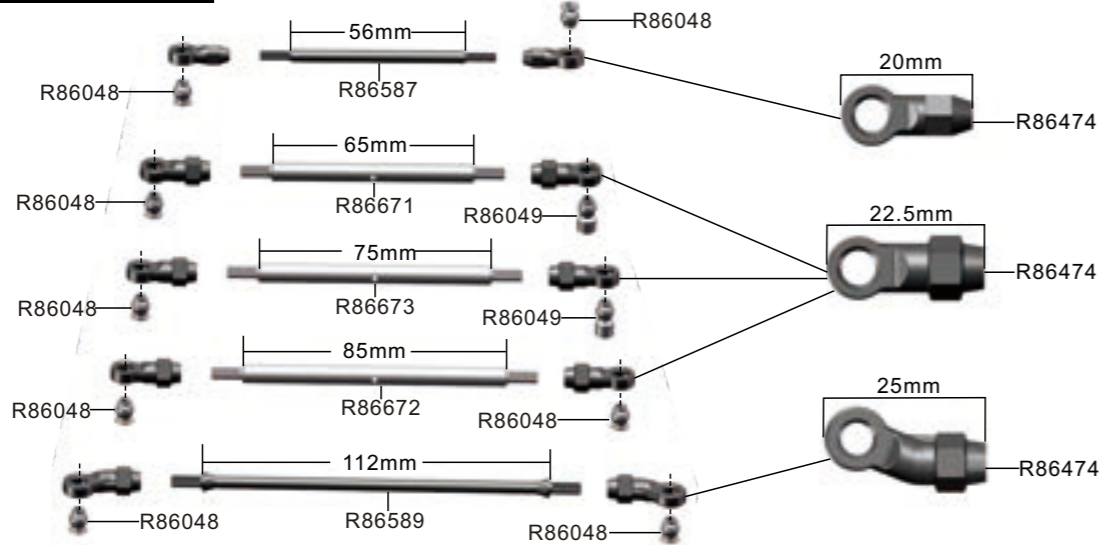


**Front Diff. ILLUstration**

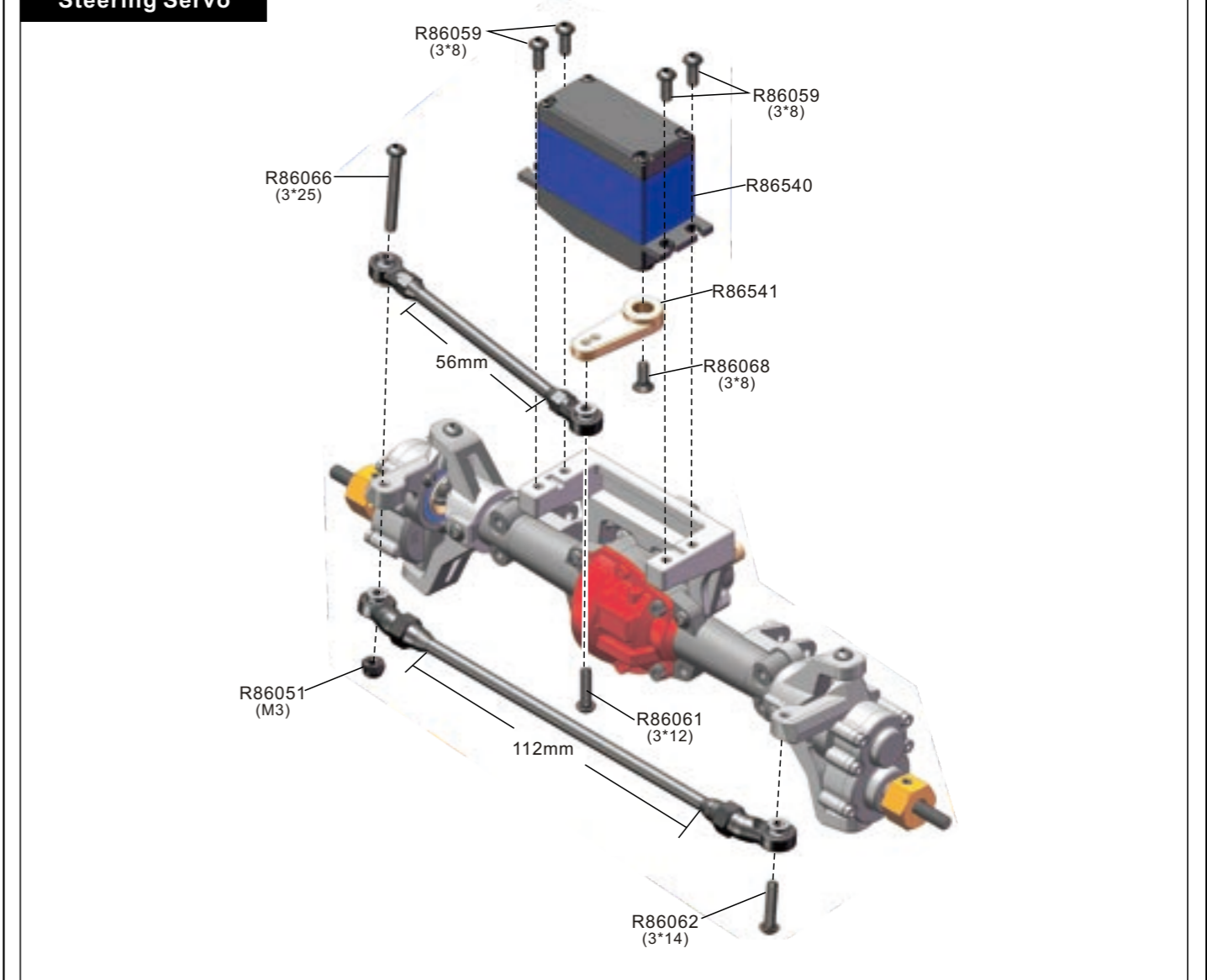


**Rear Axle Transmission illustration**

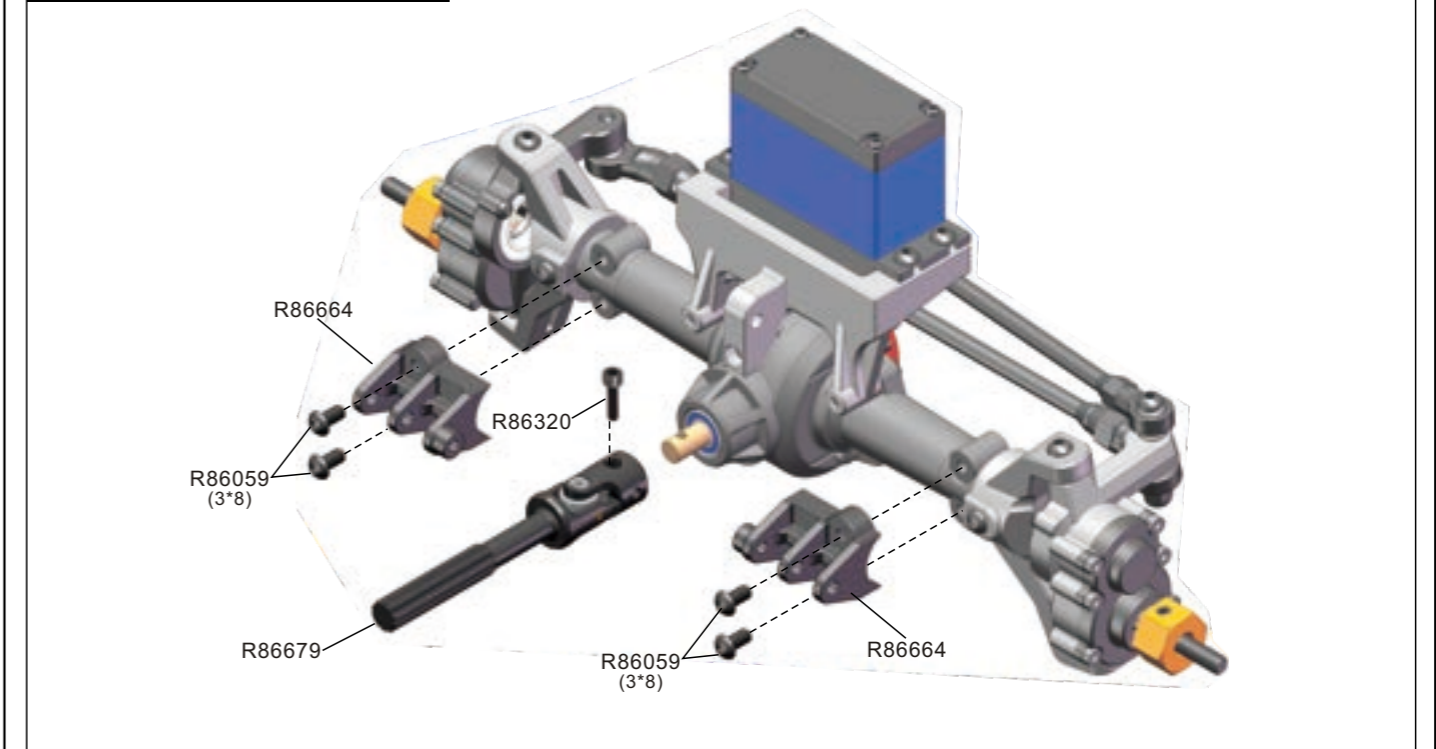
**Linkage Bar Assembly**



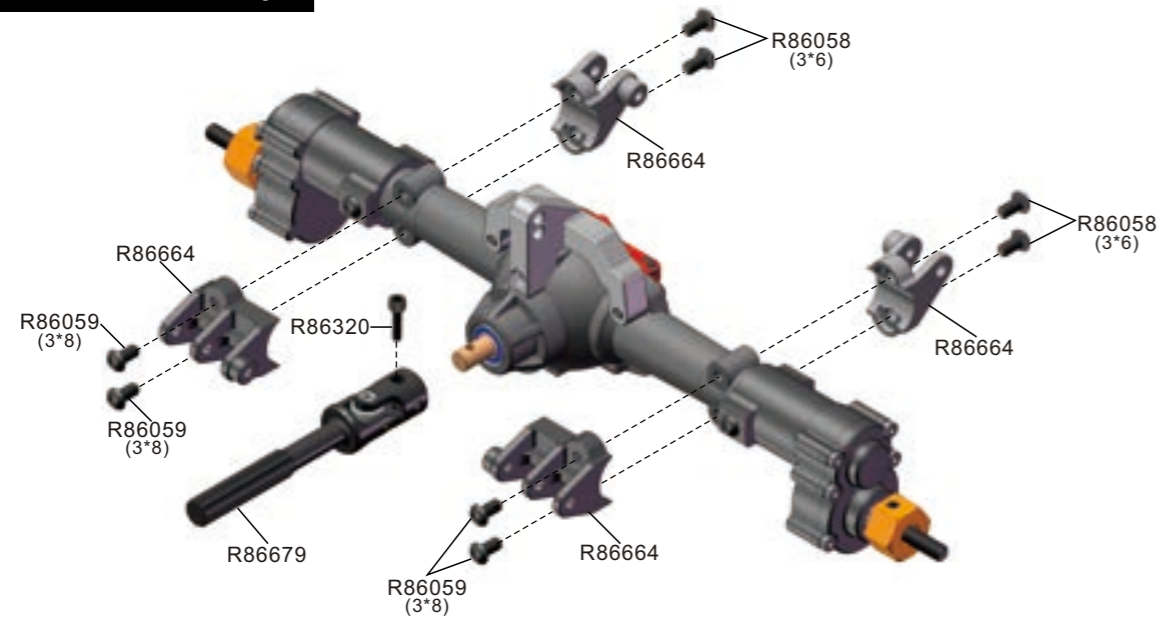
**Steering Servo**



**Front Drive Tube Assembly**



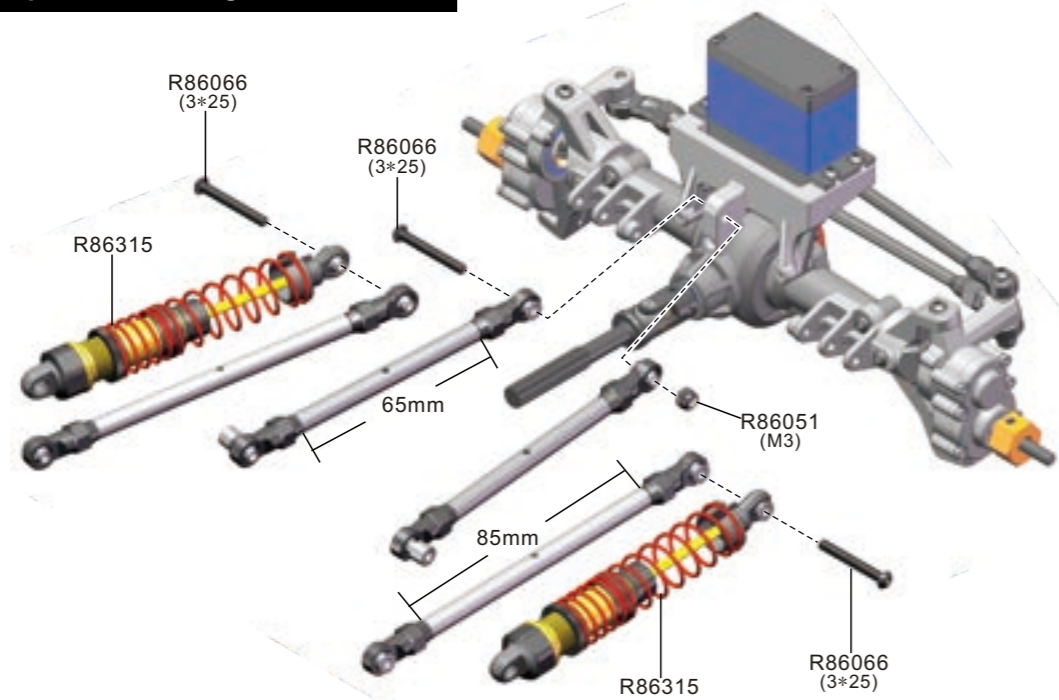
**Rear Drive Tube Assembly**



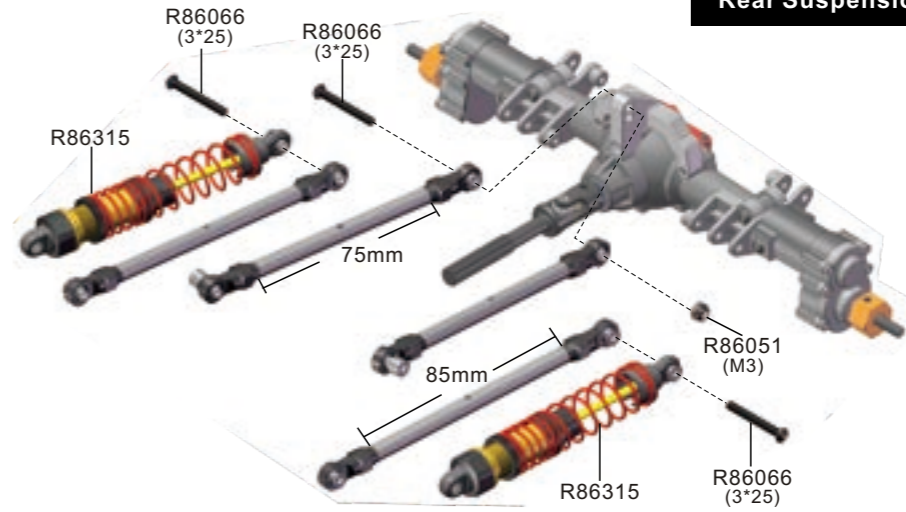
**Shock Absorber Assembly**



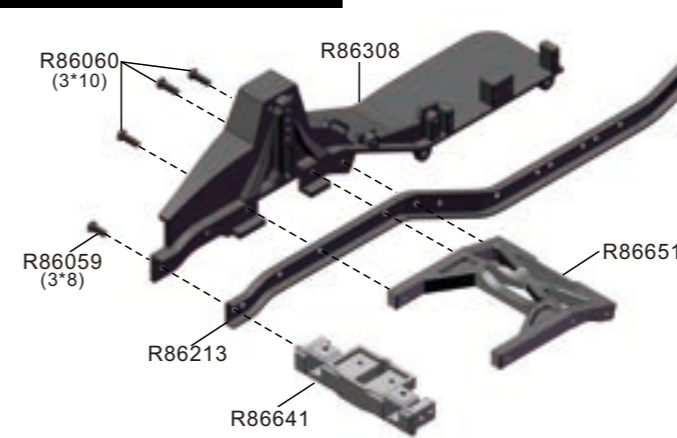
**Front Suspension Linkage Installation**



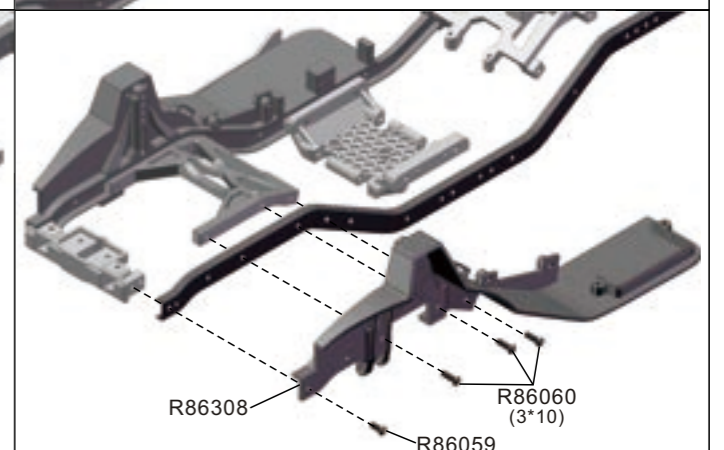
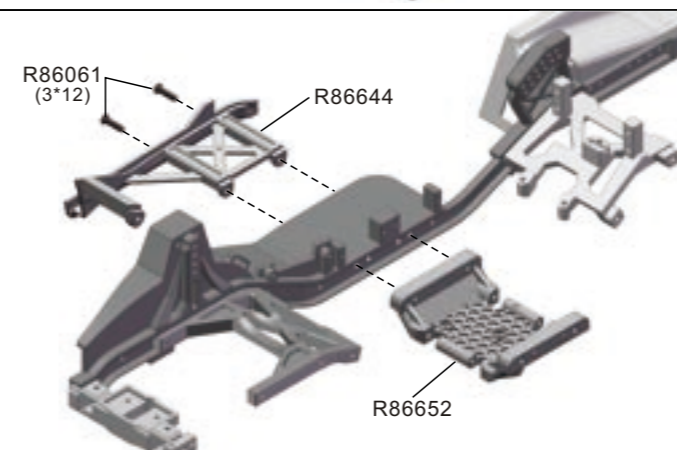
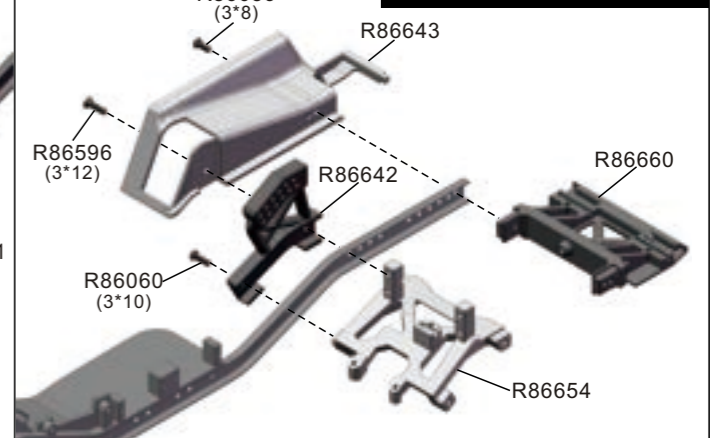
**Rear Suspension Linkage Installation**



**Main Body (Front Right)**

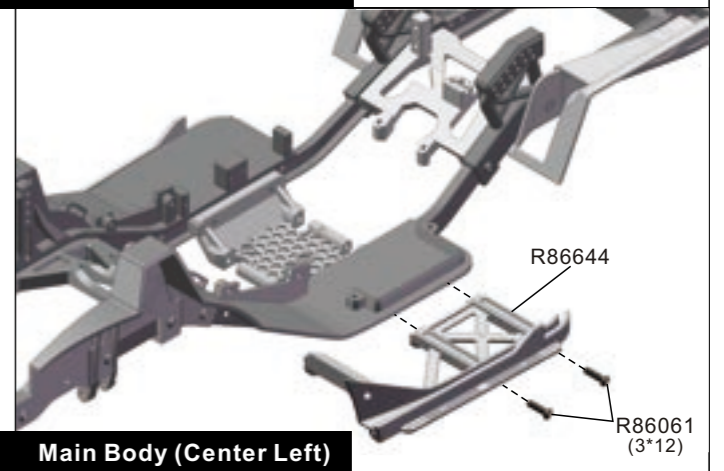
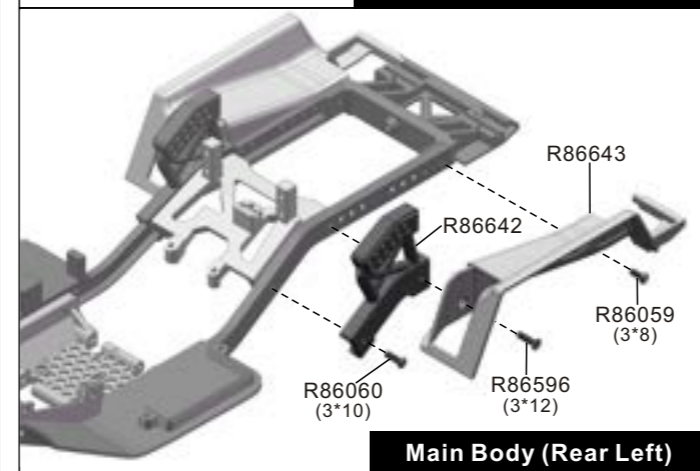


**Main Body (Rear Right)**



**Main Body (Middle Right)**

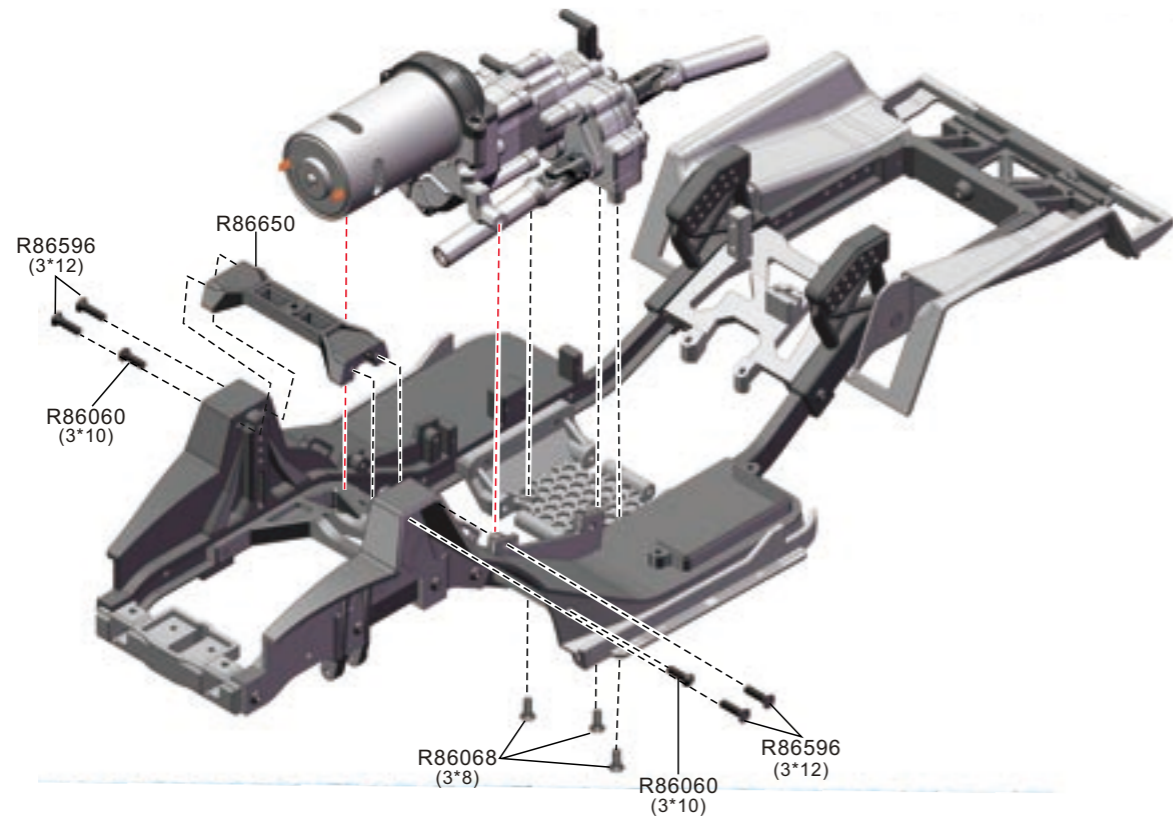
**Main Body (Front Left)**



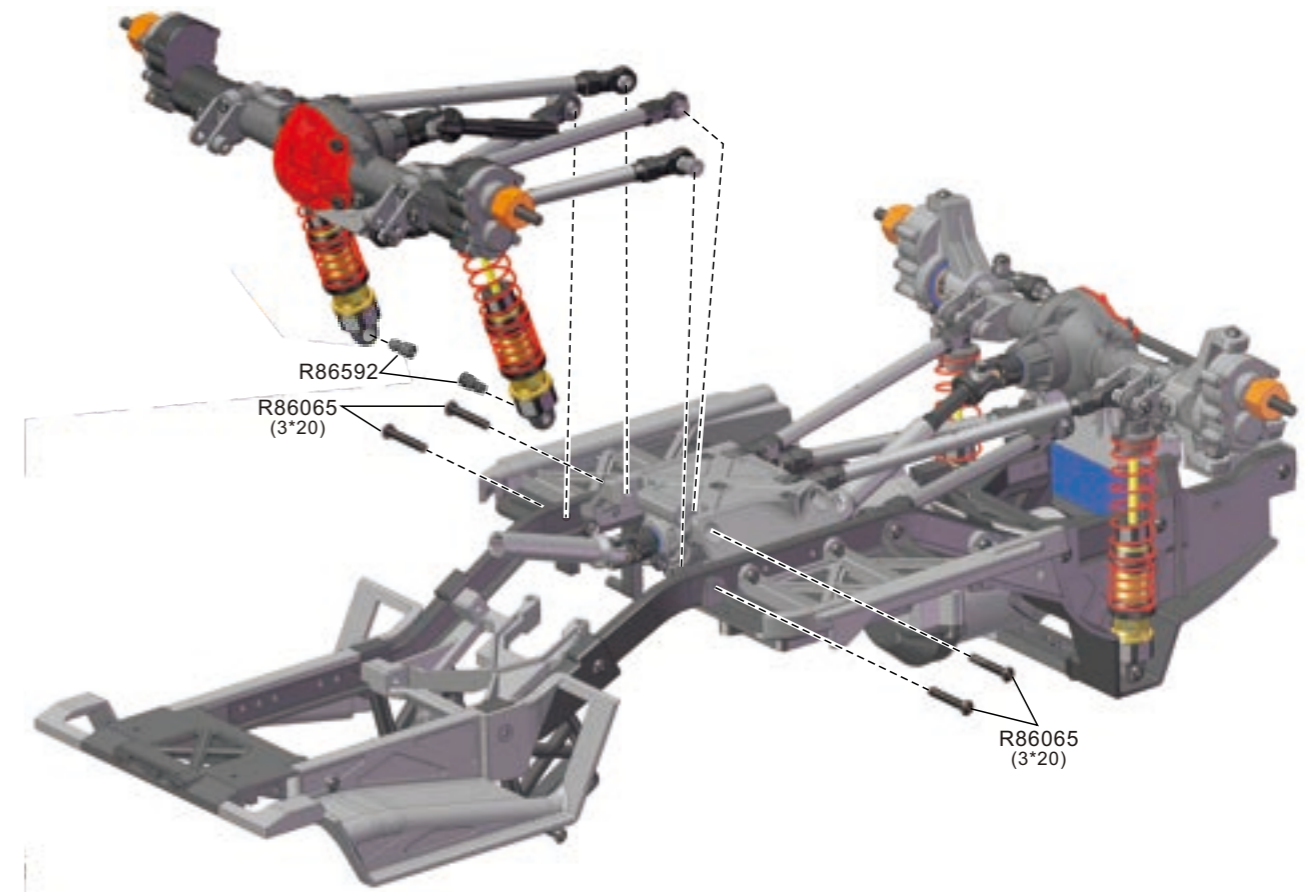
**Main Body (Rear Left)**

**Main Body (Center Left)**

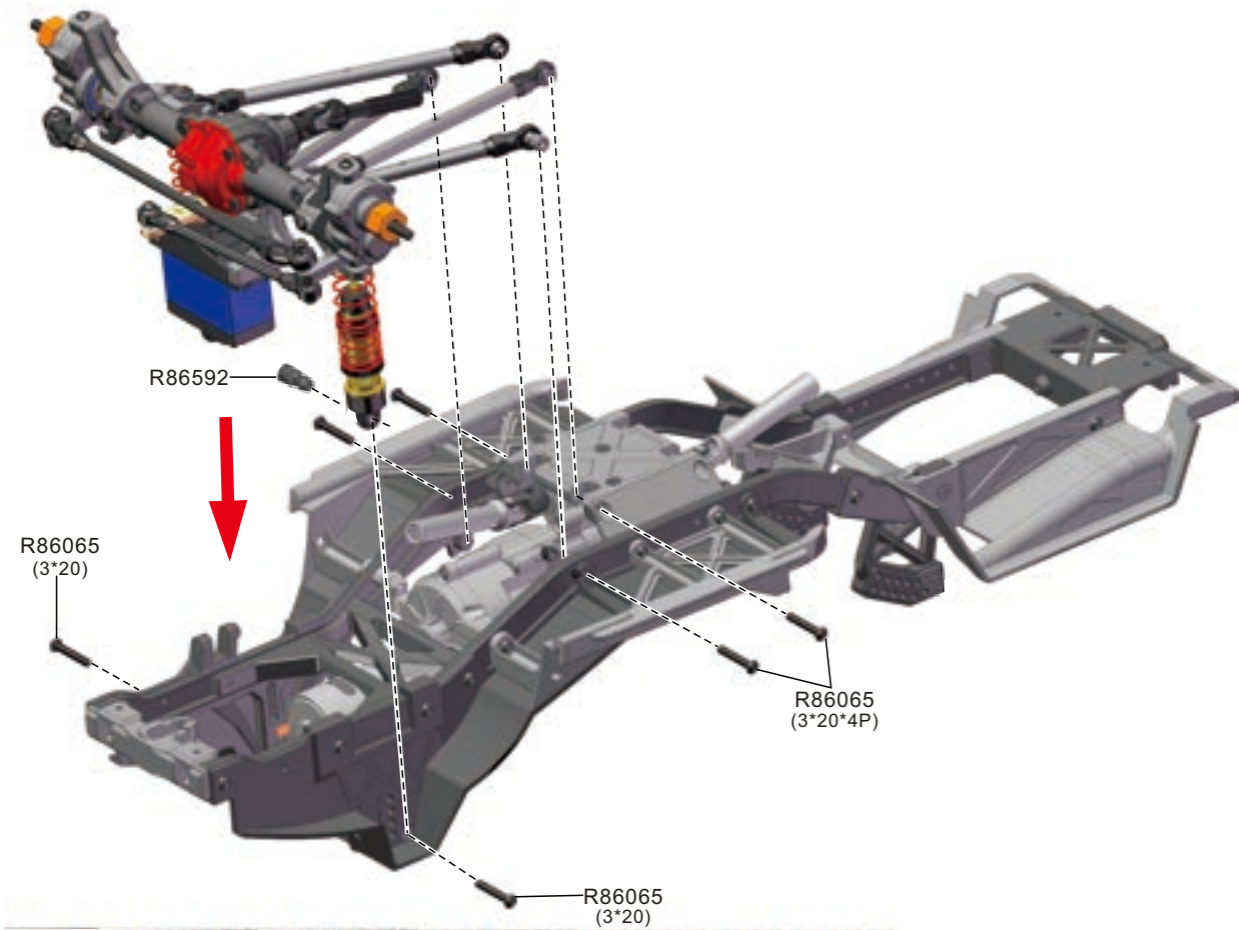
### Mounting Center Gear Box



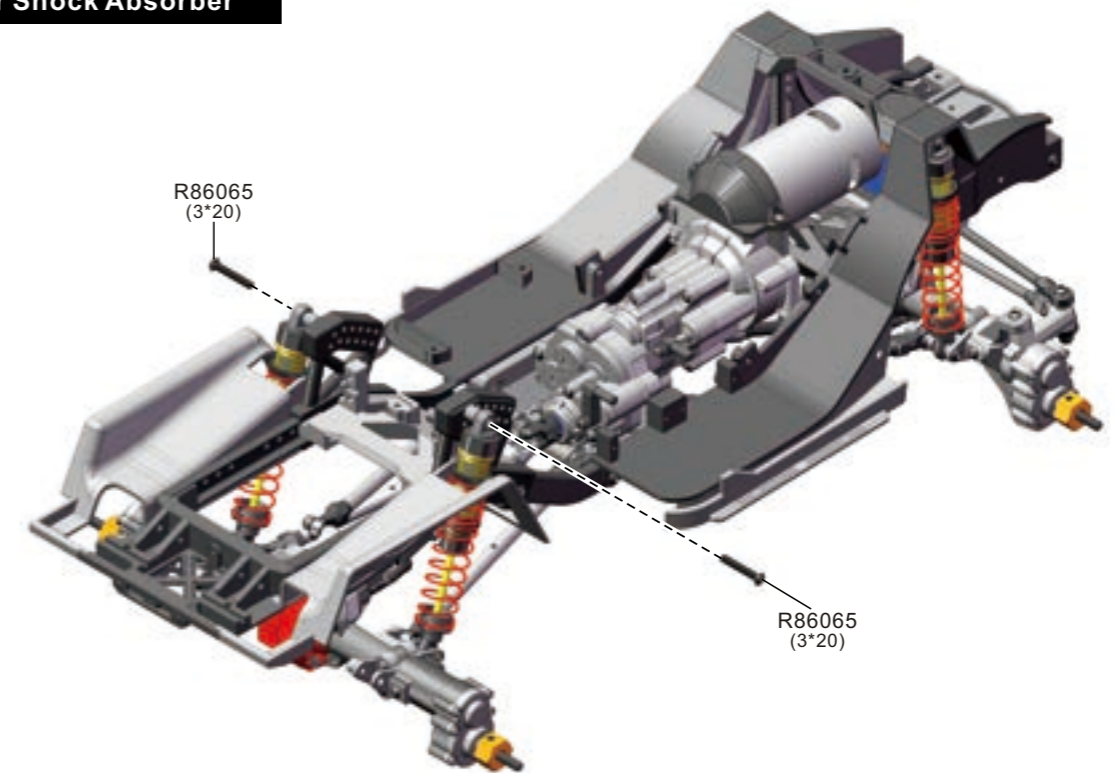
### Installing Rear Axle Complete



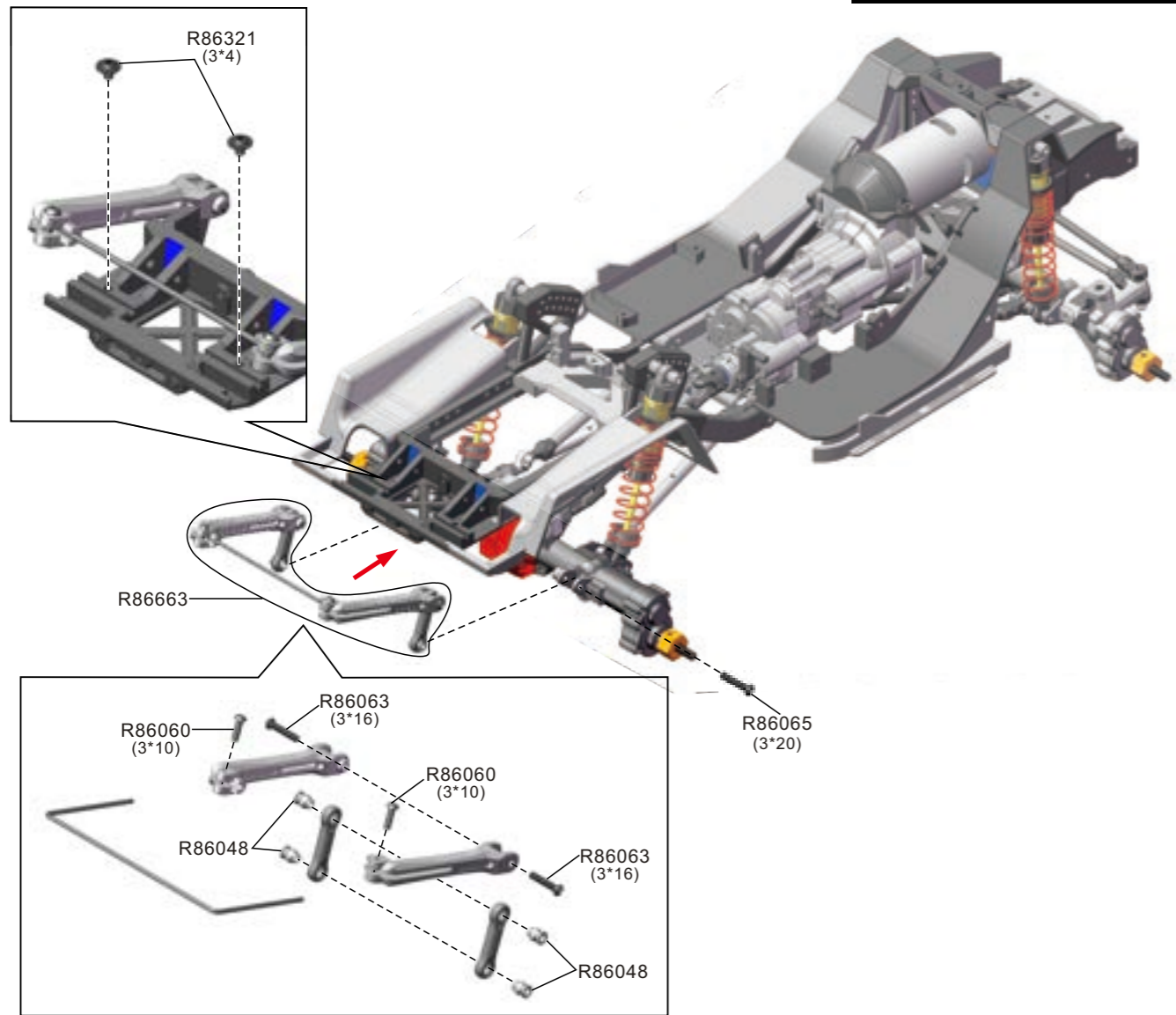
### Installing Front Axle Complete



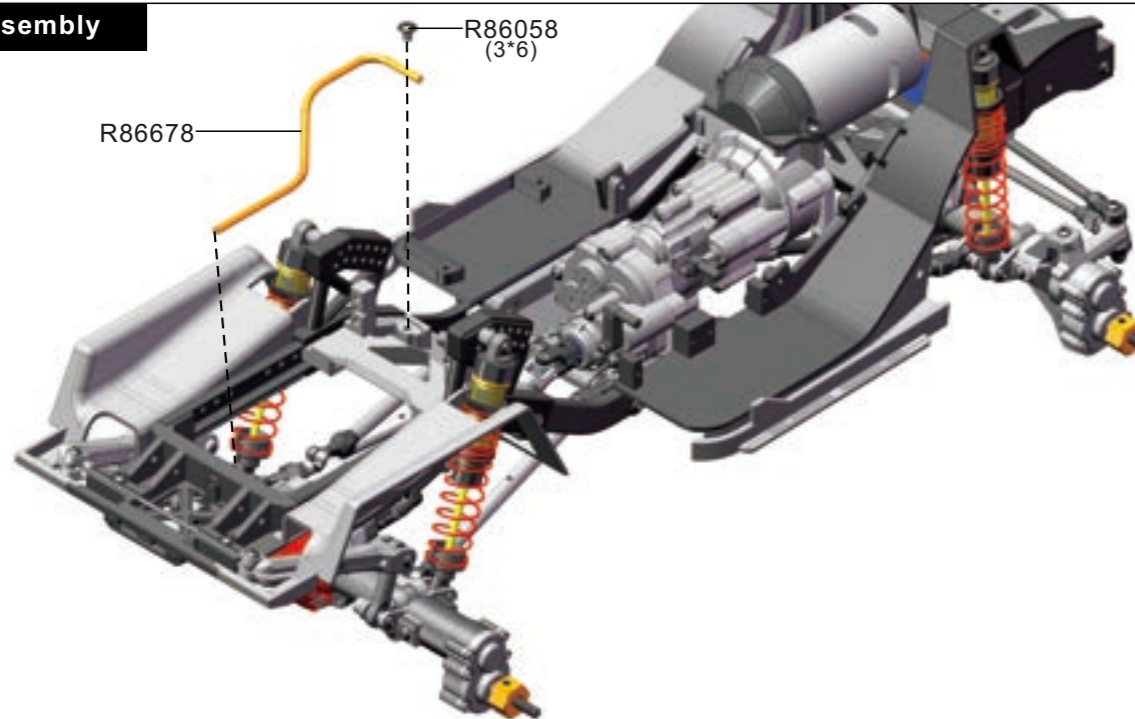
### Rear Shock Absorber



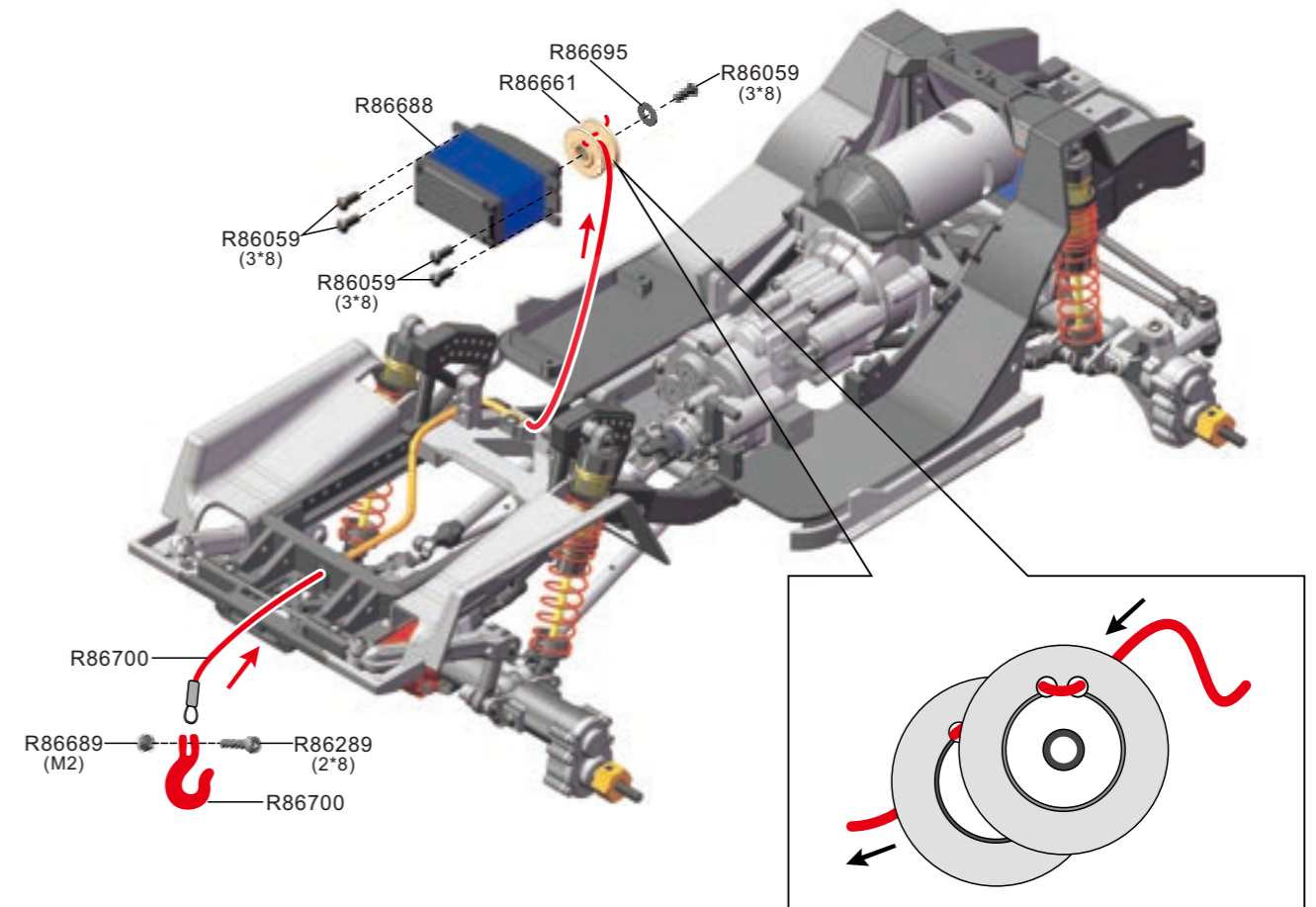
**Anti-Roll Bar Assembly**



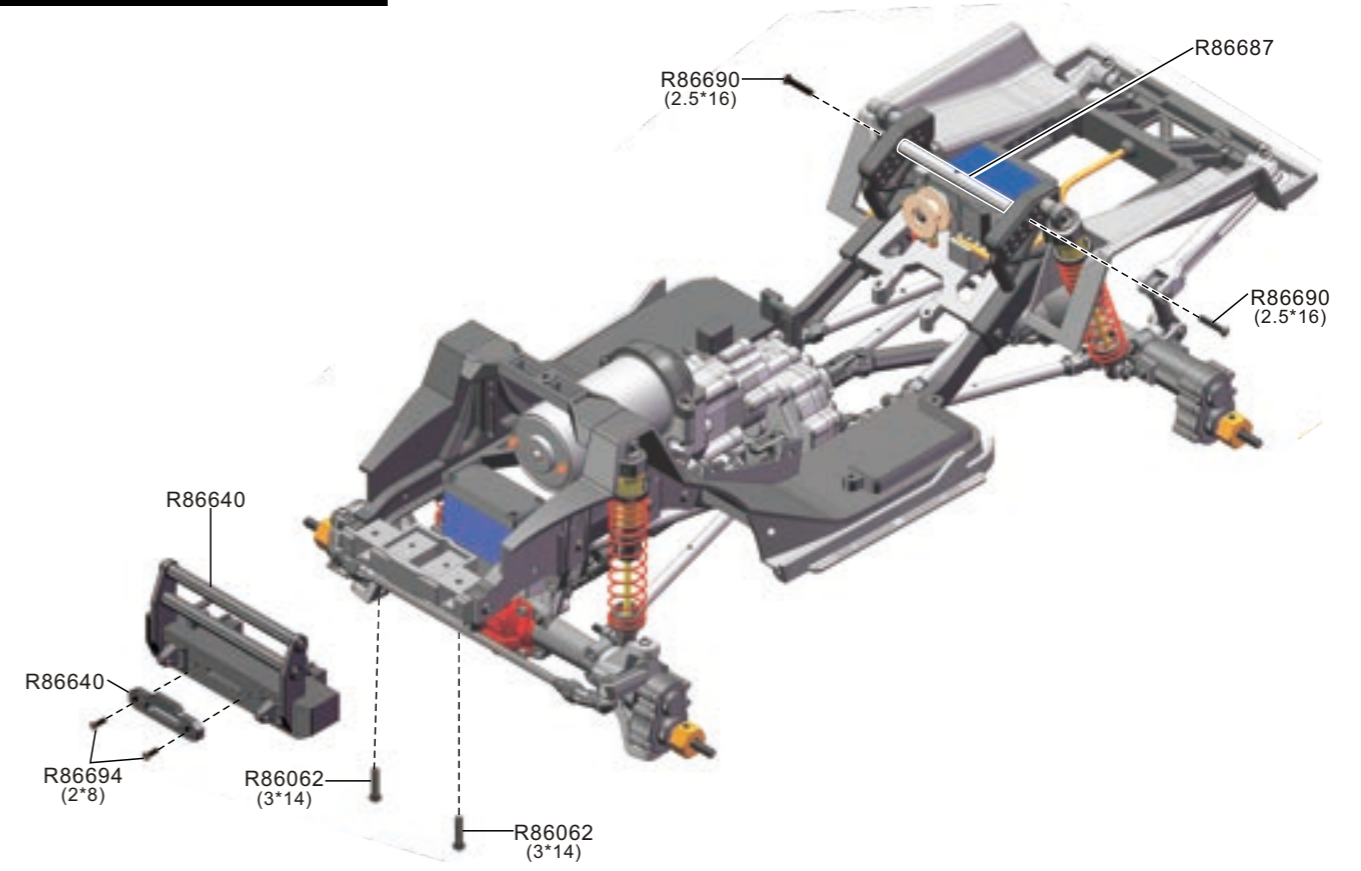
**Tube Assembly**

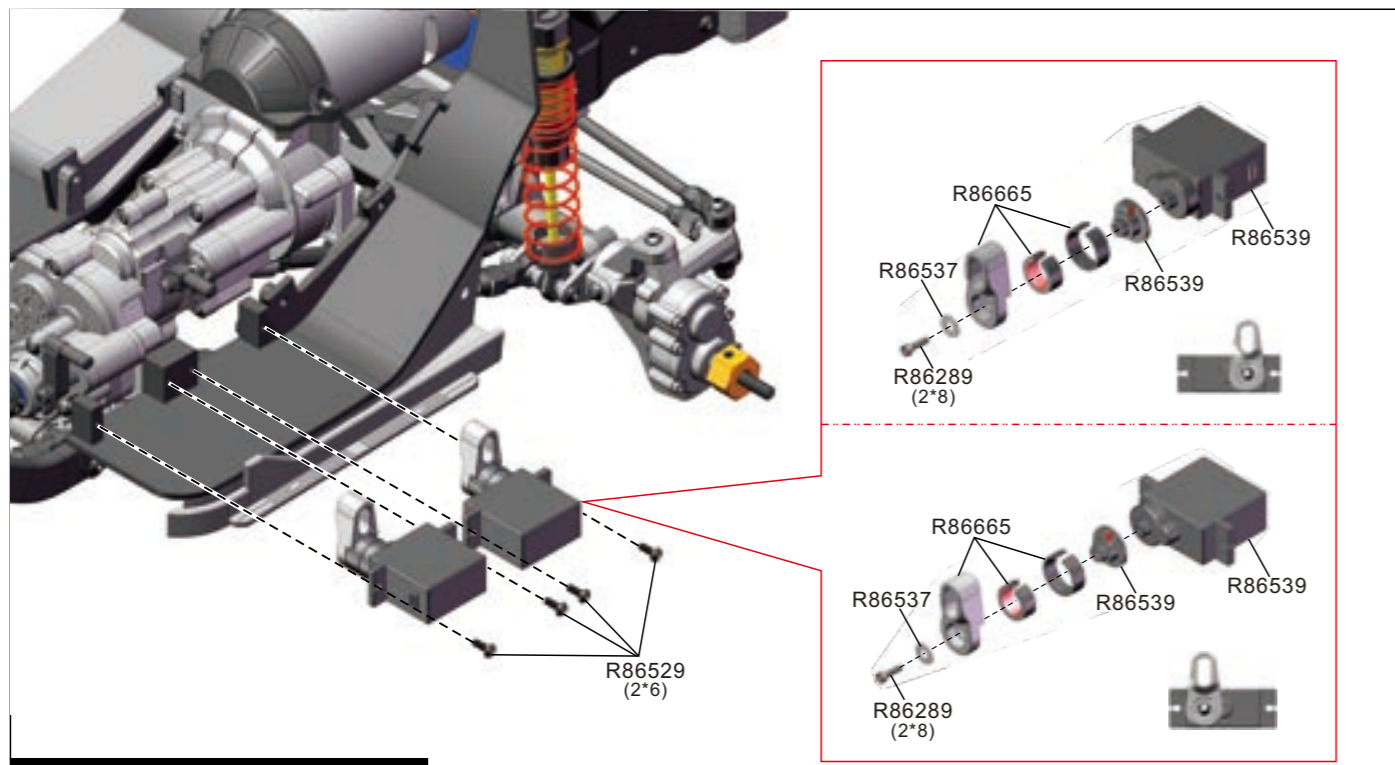


**Winch Assembly**

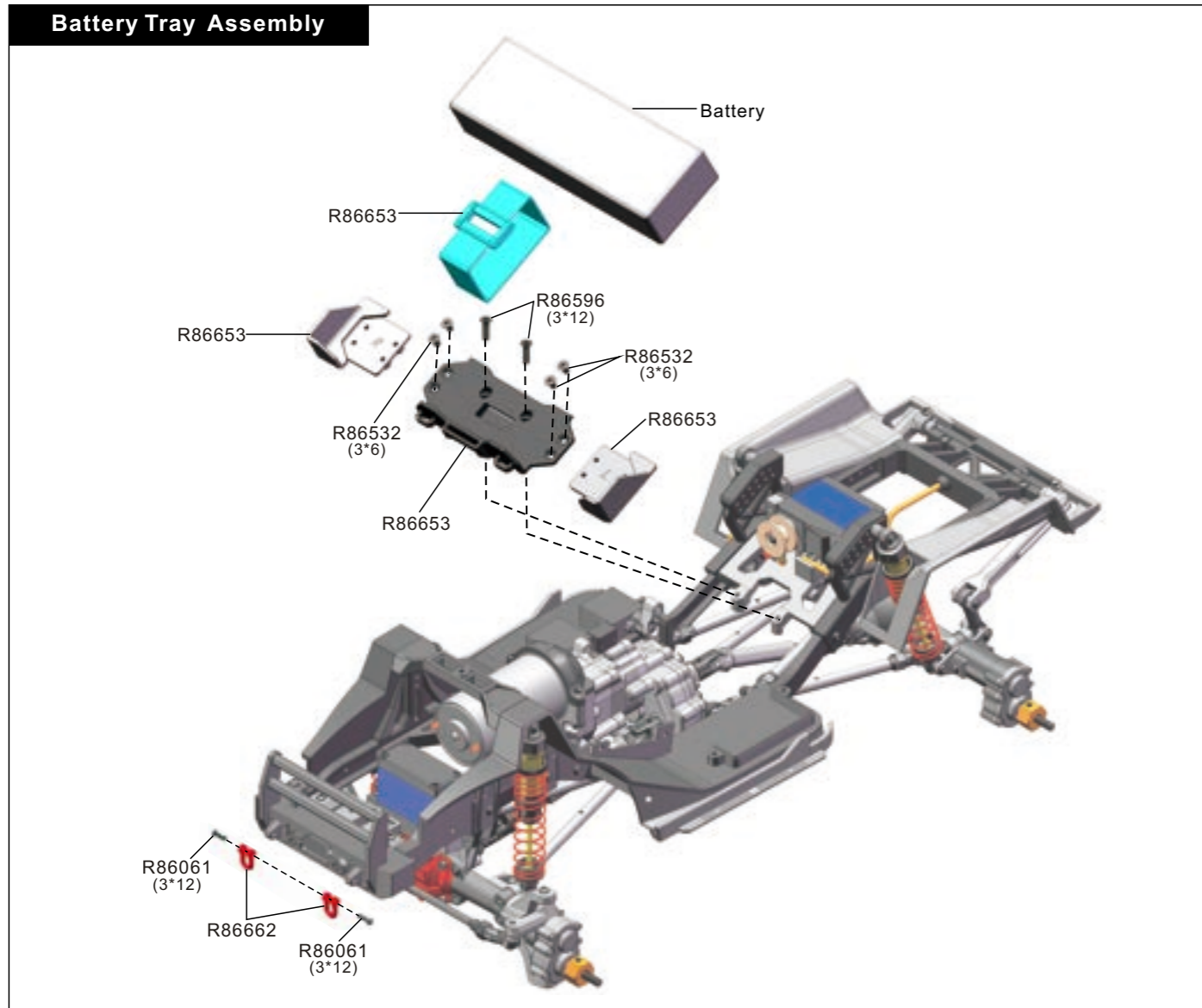


**Front Shock Absorber**

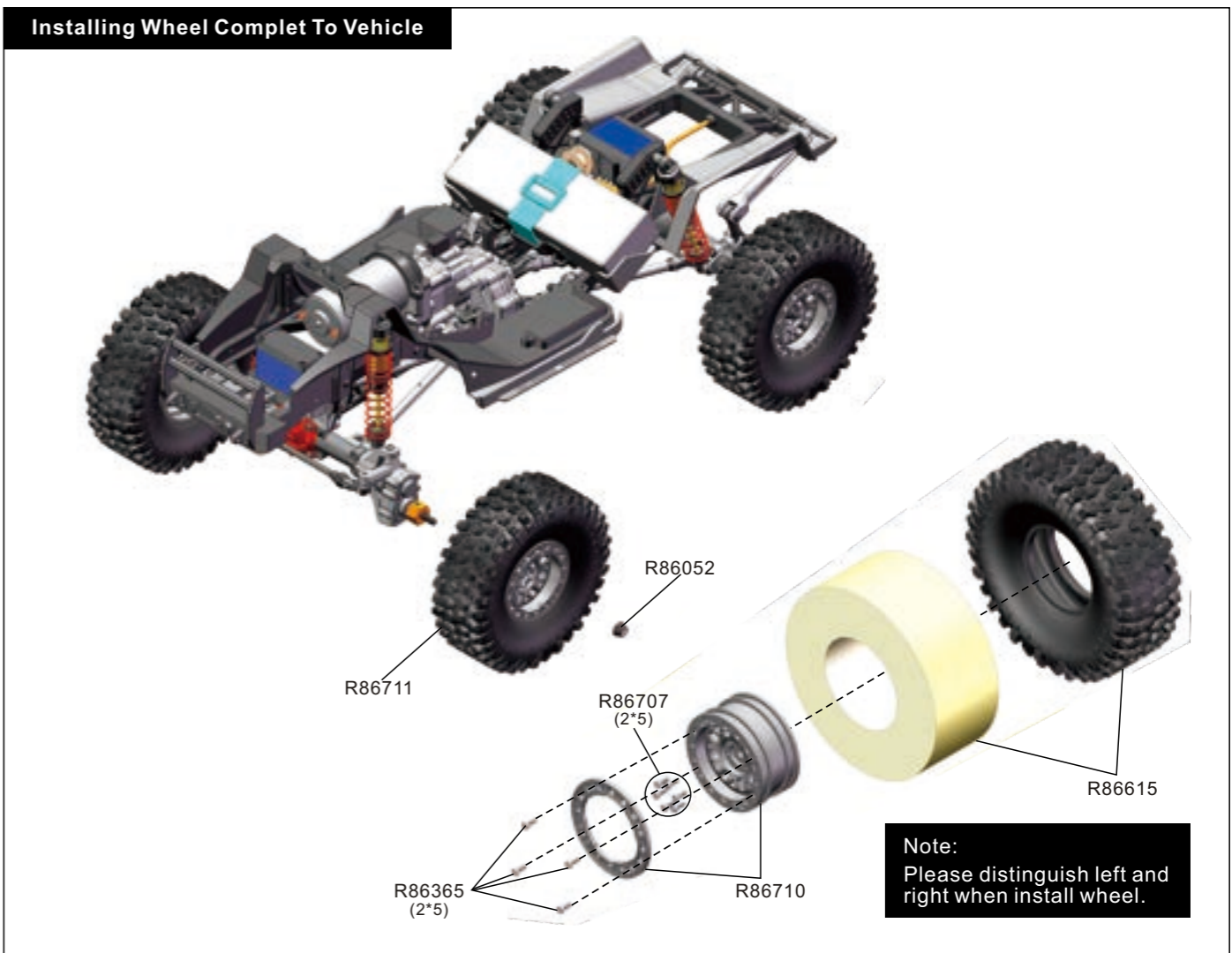




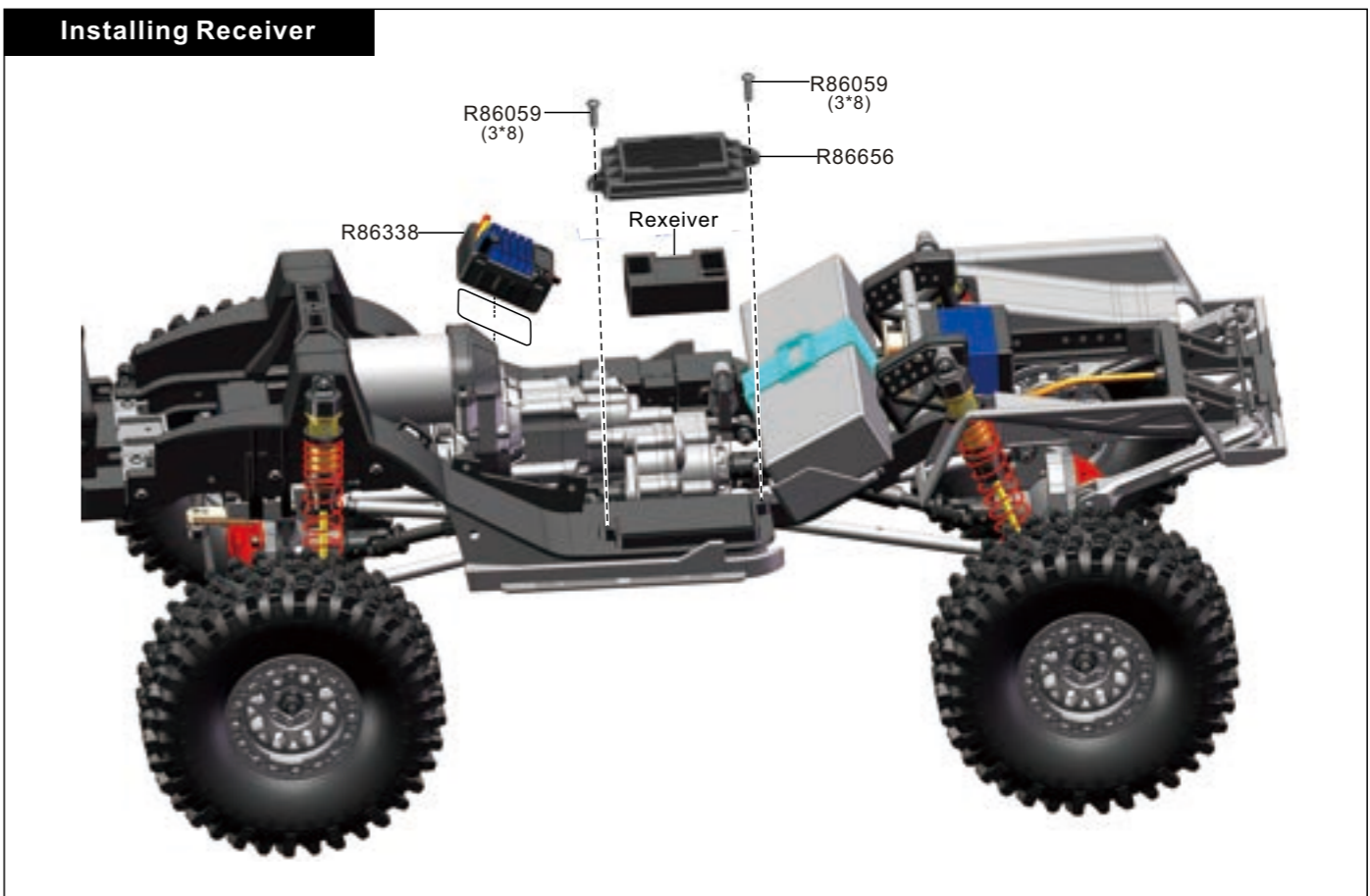
**Speed Servo Assembly**



**Battery Tray Assembly**

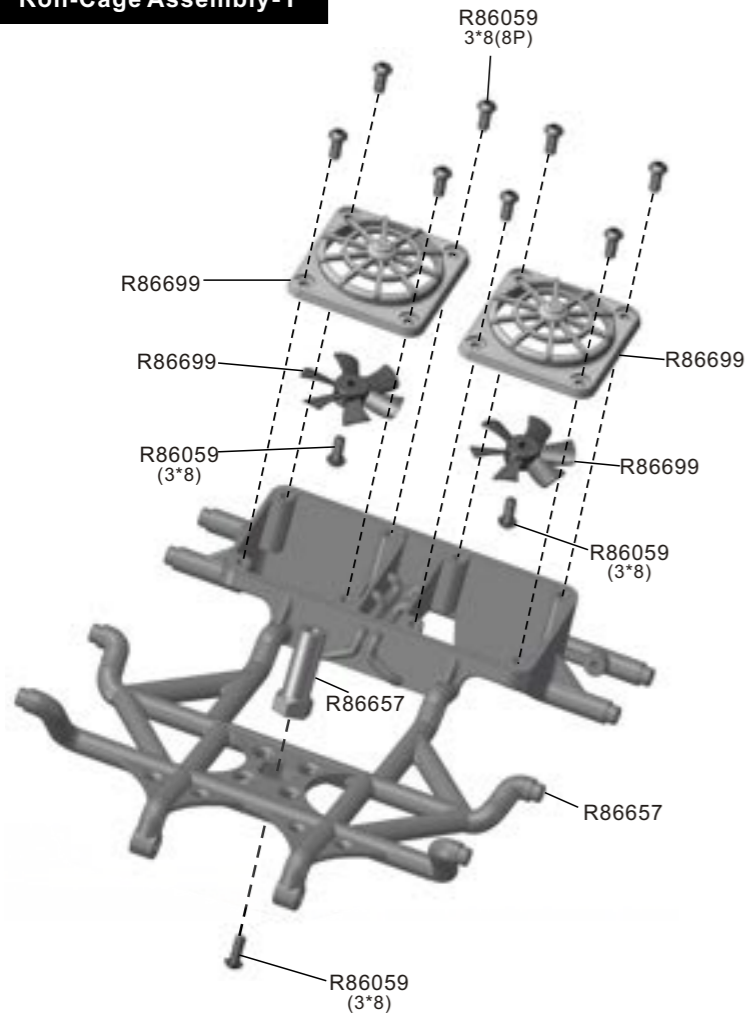


**Installing Wheel Complet To Vehicle**

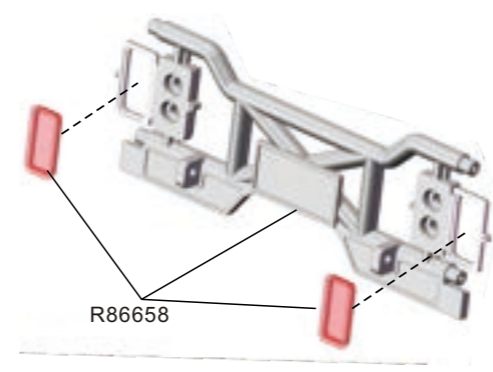


**Installing Receiver**

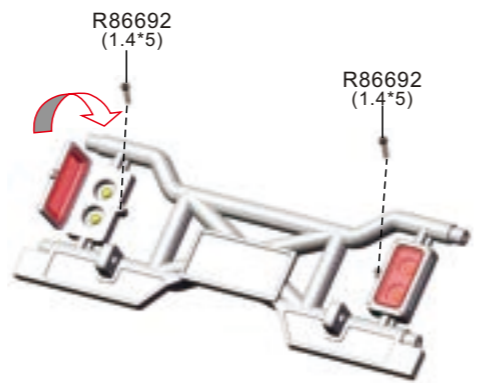
**Roll-Cage Assembly-1**



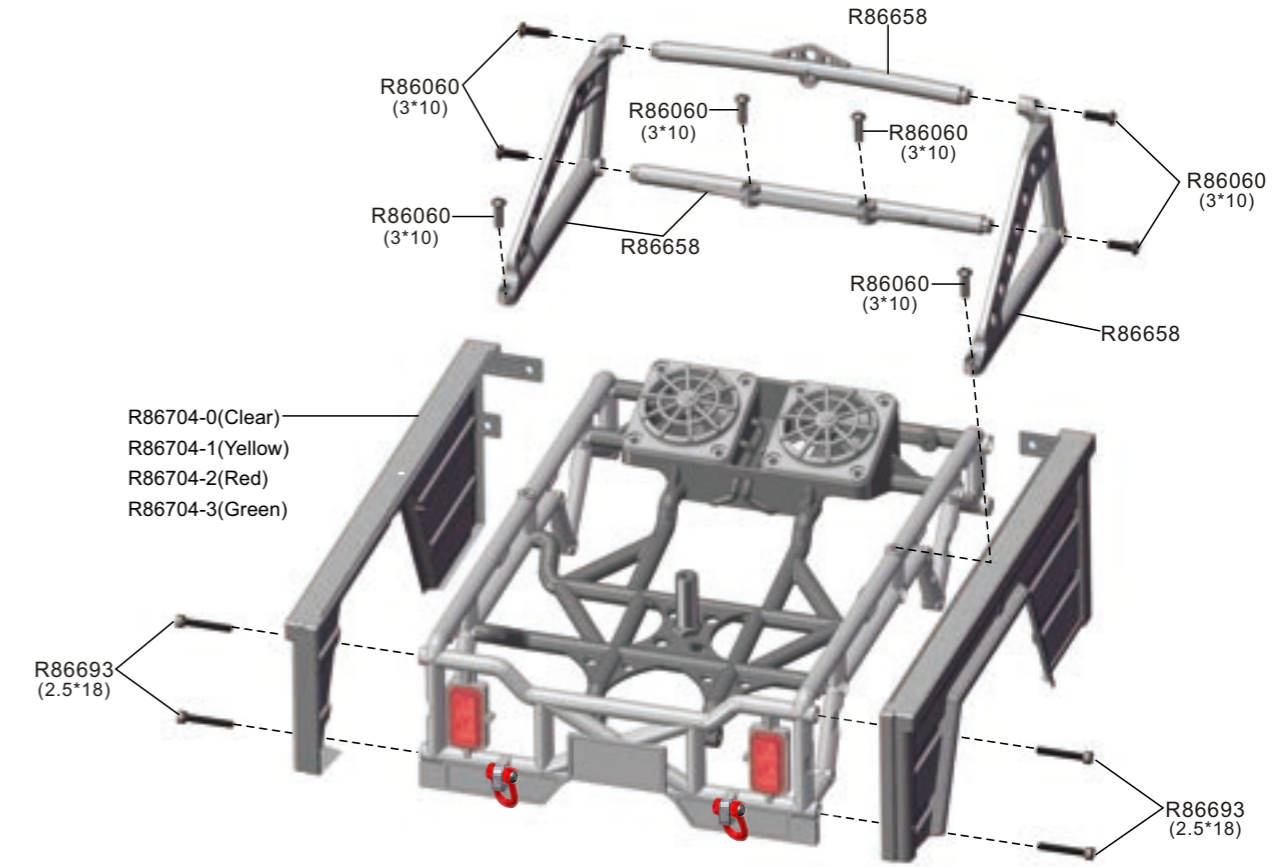
**Roll-Cage Assembly-2**



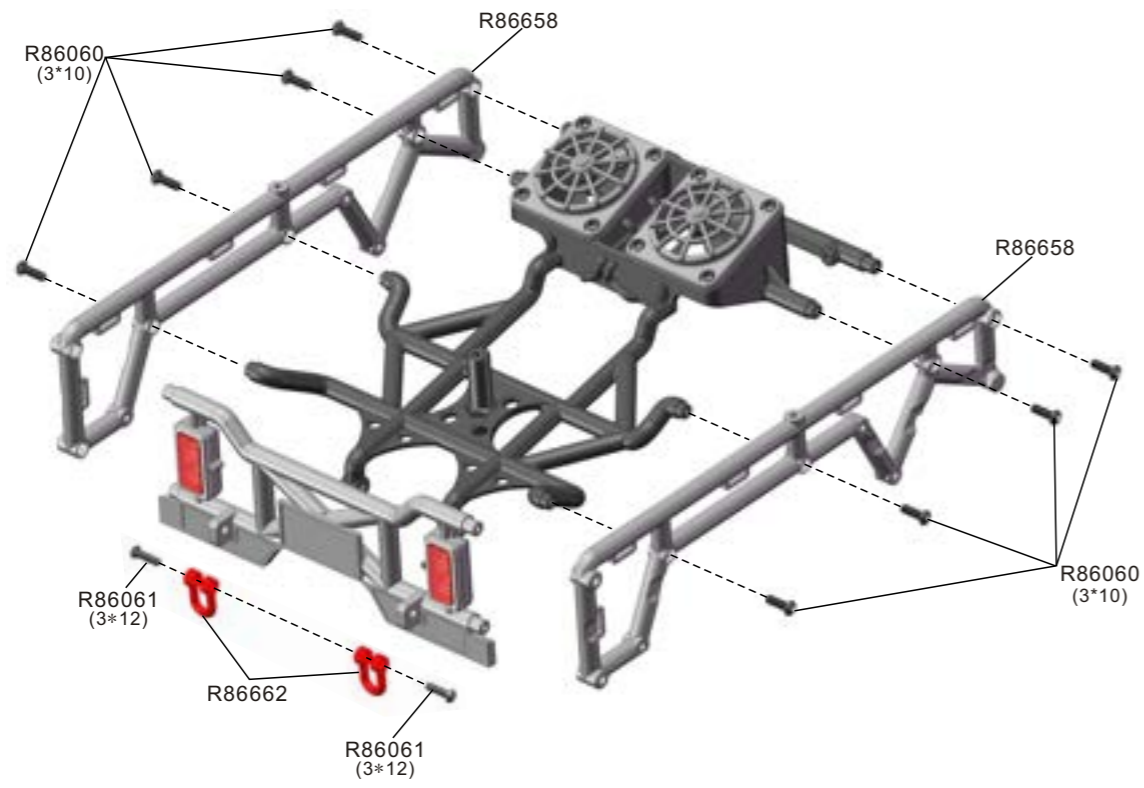
**Roll-Cage Assembly-3**



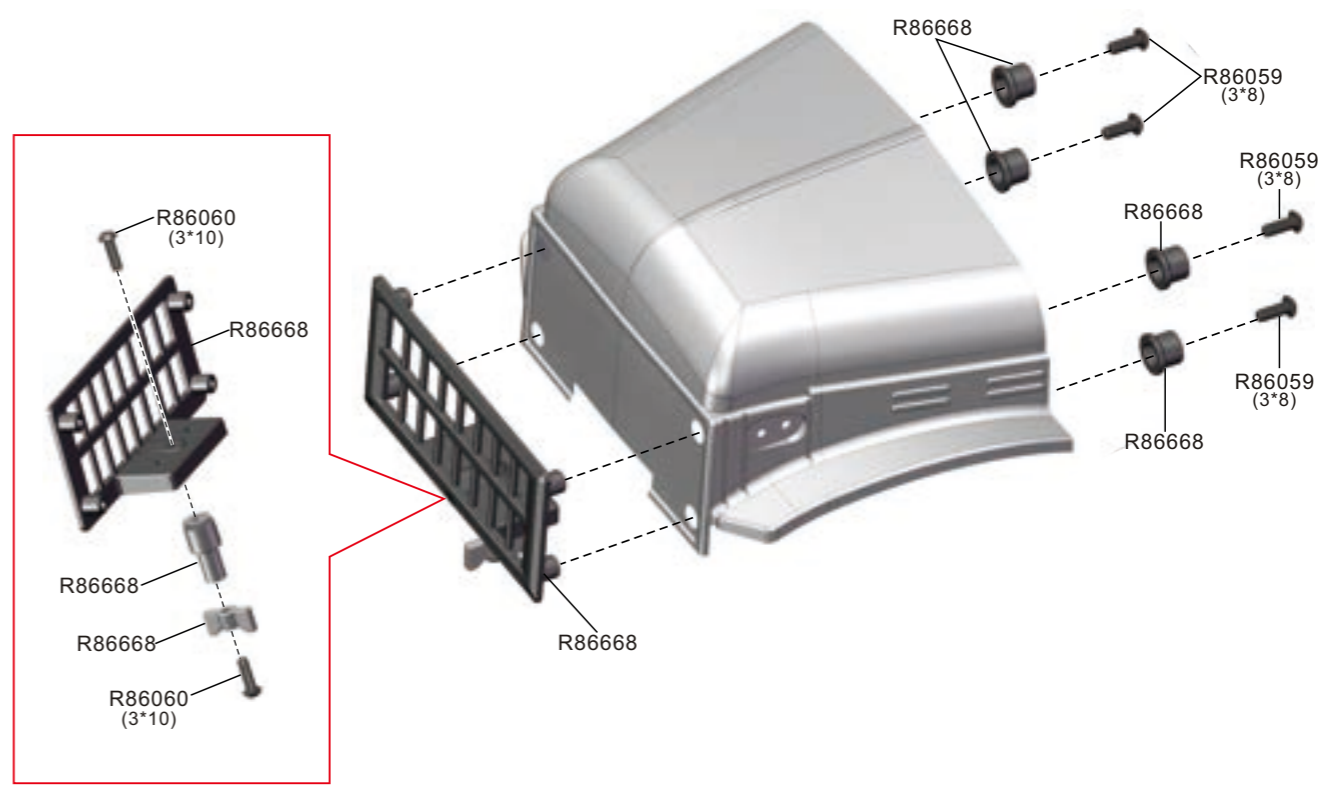
**Roll-Cage Assembly-5**



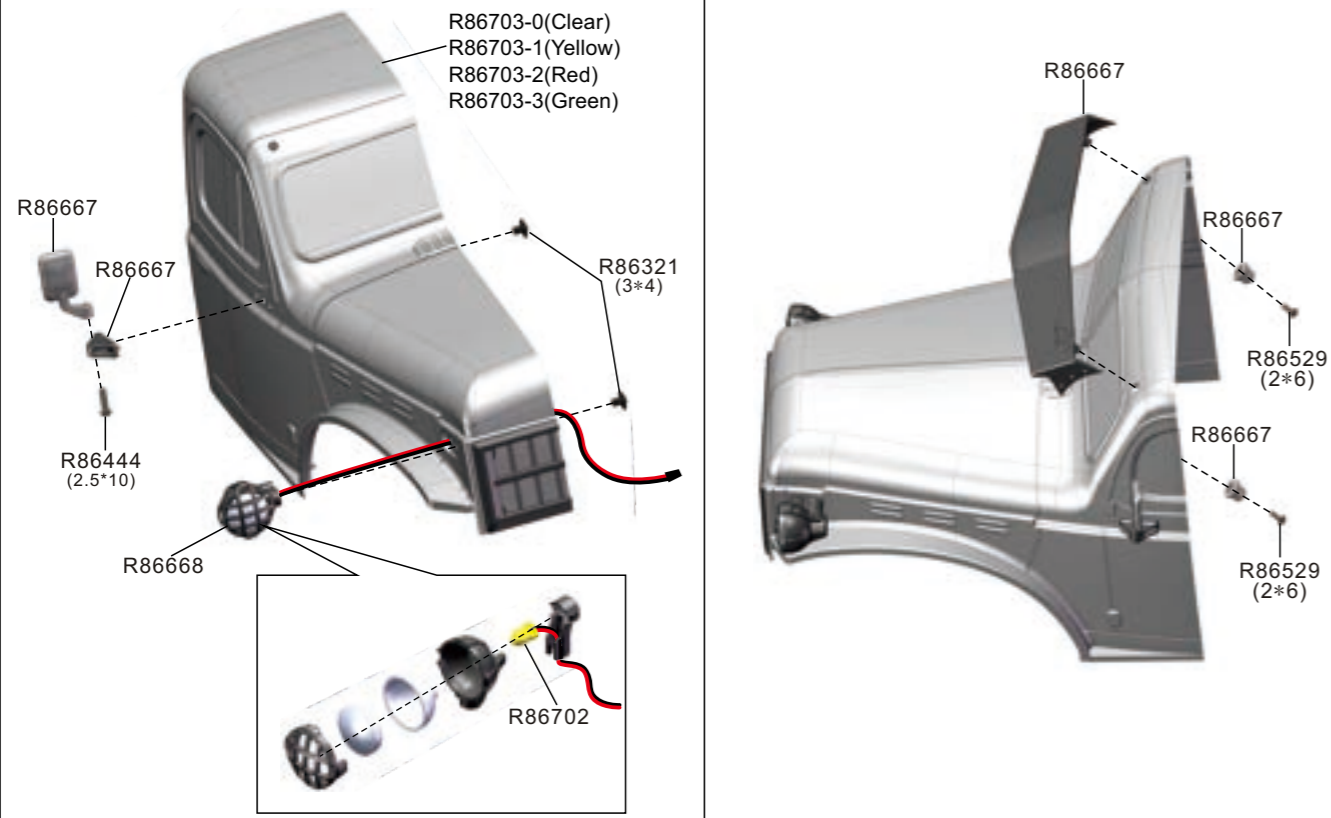
**Roll-Cage Assembly-4**



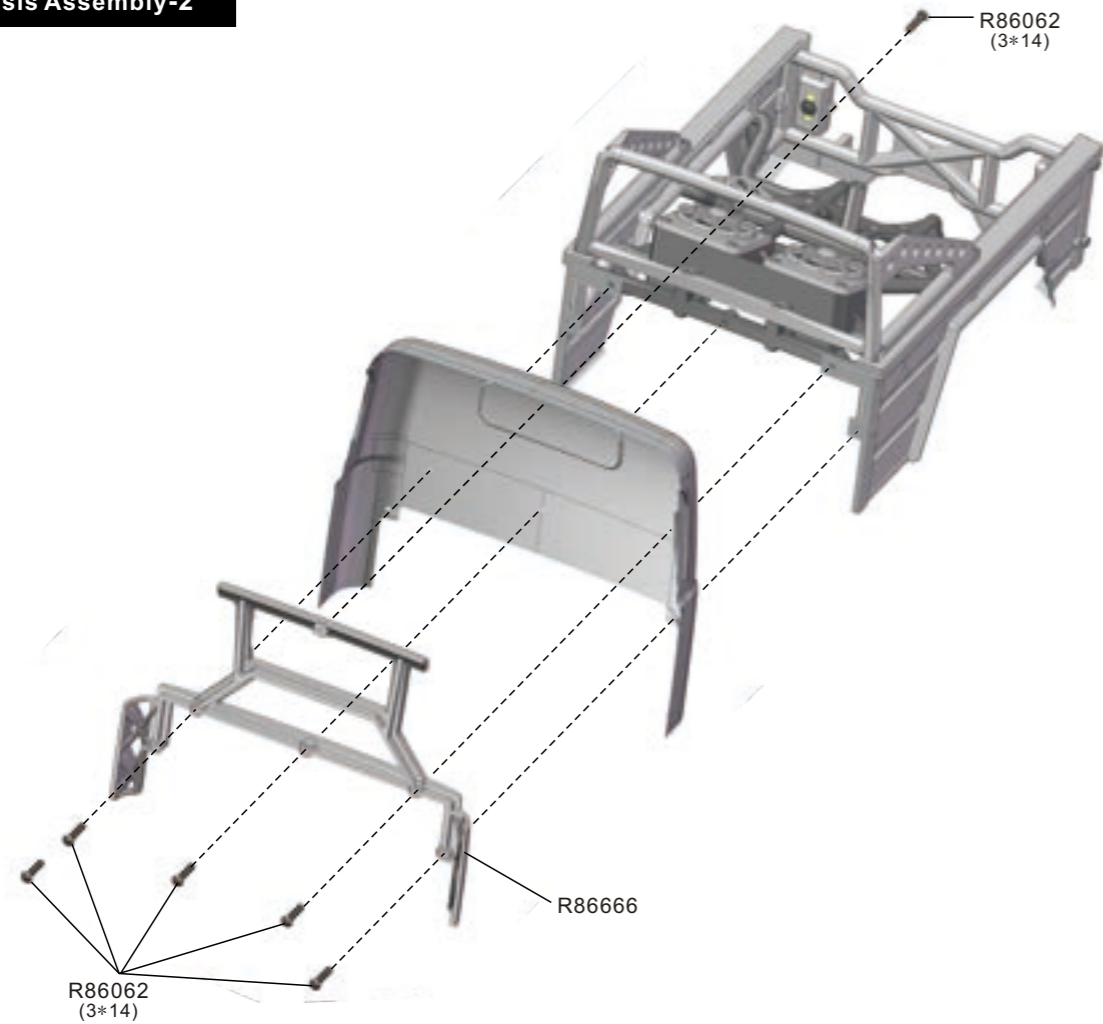
**Roll-Cage Assembly-6**



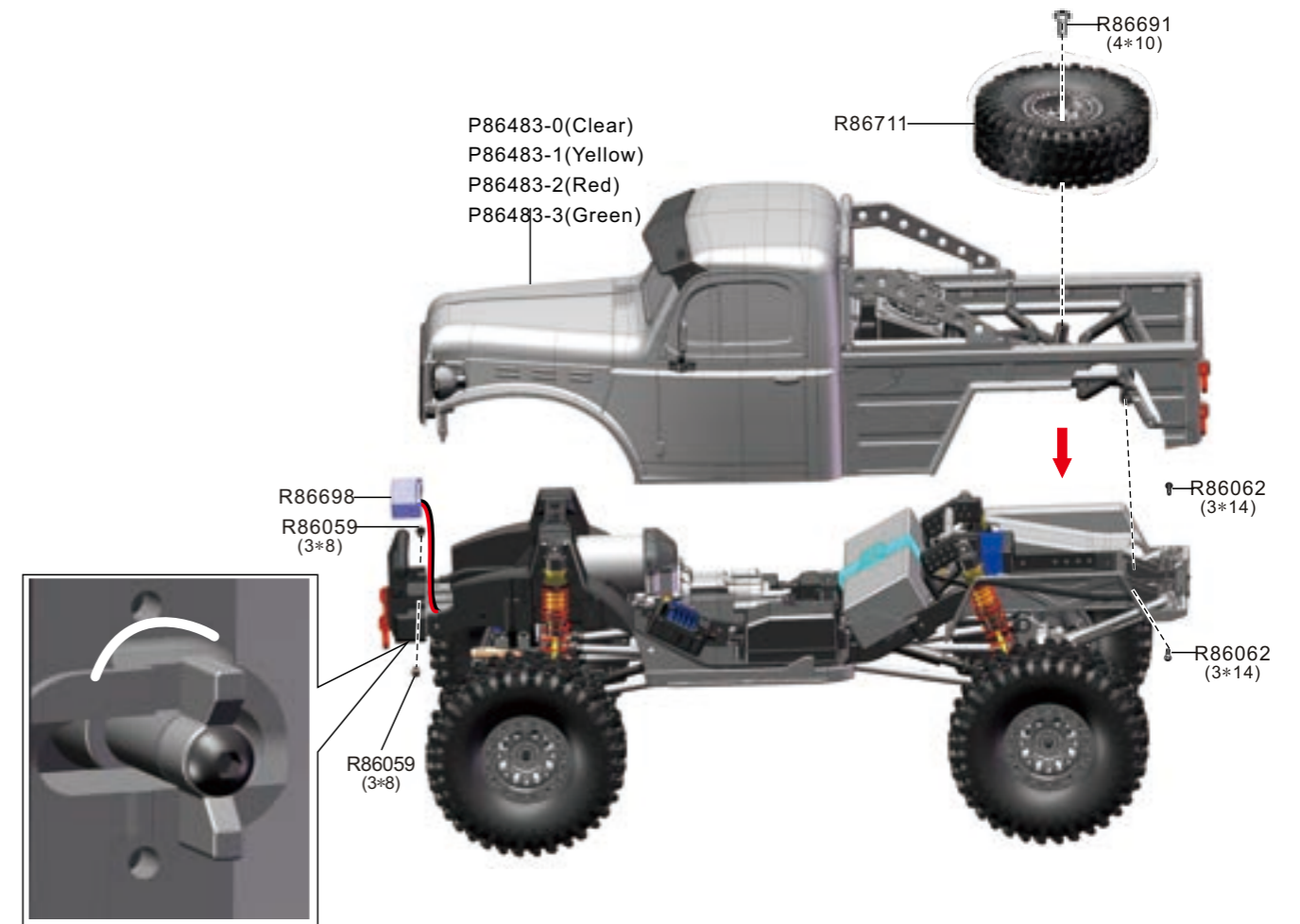
**Chassis Assembly-1**




























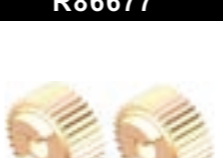


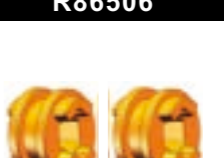

**Chassis Assembly-2**































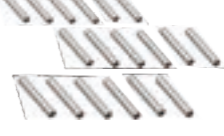






**Chassis Assembly-3**



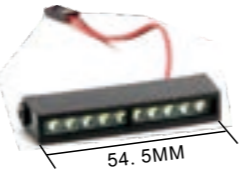









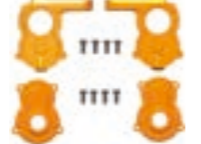



Spare Part				
<b>R86640</b>  Front Bumper	<b>R86641</b>  Bumper Mount	<b>R86642</b>  Rear Shock Tower L/R	<b>R86643</b>  Rear Wheel Dust Guard L/R	<b>R86644</b>  Pedal L/R
<b>R86645</b>  Steering Mount L/R Steering Mount Case	<b>R86646</b>  Caster Hub L/R	<b>R86647</b>  Axle Mount L/R Steering Mount Case	<b>R86648</b>  transmission case A+E+F	<b>R86649</b>  transmission case B+D+H
<b>R86308</b>  Baffle L/R	<b>R86650</b>  Upper Holder	<b>R86651</b>  Connect Plate	<b>R86652</b>  Gearbox Plate	<b>R86653</b>  Battery Case Battery Plate L/R
<b>R86654</b>  Battery Mount	<b>R86655</b>  Servo Mount Rear Upper Link Mount	<b>R86656</b>  Receiver Mount	<b>R86660</b>  Roll-Cage Mount	<b>R86006</b>  Diff case + Gasket
<b>R86662</b>  Winch Hook	<b>R86663</b>  Panhard Bar Set	<b>R86664</b>  Axle housing mount Panhard Bar Mount L/R	<b>R86474</b>  Link Ends	
<b>R86665</b>  Dig Servo Parts	<b>R86315</b>  Shock Absorbers	<b>R86708</b>  Shock Repair Kit (completed car)		<b>R86710</b>  Wheel Rim(Matte Silver)
<b>R86615</b>  Tire W/Foam	<b>R86466</b>  Tire W/Foam	<b>R86711</b>  Wheel Complete L/R	<b>R86659</b>  Wheel Complete L/R	<b>R86666</b>  Body Reinforced plate

Spare Part				
<b>Front-PC body</b> R86703-0(Clear) R86703-1(Yellow) R86703-2(Red) R86703-3(Green) 	<b>Rear-side PC body L/R</b> R86704-0(Clear) R86704-1(Yellow) R86704-2(Red) R86704-3(Green) 	<b>PC Body</b> R86709-0(Clear) R86709-1(Yellow) R86709-2(Red) R86709-3(Green) 		
<b>Pre-Assembled PC Body</b> P86483-0(Clear) P86483-1(Yellow) P86483-2(Red) P86483-3(Green) 		<b>R86667</b> L R  Window Eaves Rear-view Mirror	<b>R86668</b>  Roof Rack Lamp cover lamp cup	<b>R86699</b>  Fan Fin +Fan Case
<b>R86658</b>  Roll-Cage B+C/E(L/R)+ F+D+L/R		<b>R86657</b>  Roll-Cage A+Spare Tyre post	<b>R86213</b>  Chassis Rails	
<b>R86671</b>  Link 65mm	<b>R86673</b>  Link 75mm	<b>R86672</b>  Link 85mm	<b>R86587</b>  Servo link 56mm	<b>R86589</b>  Steering Link 112mm
<b>R86009</b>  Diff Main Gear (40T)	<b>R86499</b>  Drive Gear(16T)	<b>R86010</b>  Solid Axle Hub	<b>R86501</b>  Transmission Gear(9T)	<b>R86504</b>  Transmission Gear(17T)
<b>R86505</b>  Transmission Gear(13T)	<b>R86591</b>  Transmission Gear(28T)	<b>R86674</b>  Gear(20T)	<b>R86675</b>  Gear(15T)	<b>R86676</b>  Gear(30T)
<b>R86677</b>  Gear(32T)	<b>R86705</b>  Pinion Gear(21T)	<b>R86513</b>  Crown Gear( 64T)	<b>R86506</b>  Transmission Slider	<b>R86507</b>  Gear Stick

Spare Part				
<b>R86187</b>  Spring	<b>R86514</b>  Slipper Spacer/Plate	<b>R86678</b>  Winch Tube	<b>R86598</b>  CVD Drive shaft	<b>P860045</b>  Front /Rear Axle Box(AL.)
<b>R86679</b>  Drive Axle	<b>R86680</b>  Gear Shaft	<b>R86242</b>  Rear Shaft	<b>R86681</b>  Transmission Axle	<b>R86682</b>  Torque limit shaft
<b>R86683</b>  Transmission Block Axle	<b>R86684</b>  Dig Block Axle	<b>R86685</b>  Dig Axle	<b>R86686</b>  Distributor Axle	<b>R86687</b>  Rear Shock Tower Bar
<b>R86244</b>  Wheel Hub	<b>R86255</b>  Wheel Hex. W/Pins(2*10)	<b>R86045</b>  King Pin Bushing	<b>R86428</b>  Ball Bearingφ4*φ8*3	<b>R86047</b>  Ball Bearingφ5*φ10*4
<b>R86316</b>  Ball Bearingφ6*φ10*3	<b>R86046</b>  Ball Bearingφ10*φ15*4	<b>R86246</b>  Ball Bearingφ12*φ18*4	<b>R86048</b>  Ball Standφ5.9mm(SHORT)	<b>R86049</b>  Ball Standφ5.9mm(LONG)
<b>R86592</b>  Ball Standφ5.0mm	<b>R86689</b>  Nylon Nut M2	<b>R86528</b>  Nylon Nut M2.5	<b>R86051</b>  Nylon Nut M3	<b>R86052</b>  Flange M4 Lock Nut
<b>R86379</b>  Button Head 2*4mm	<b>R86444</b>  Button Head 2.5*10mm	<b>R86690</b>  Button Head 2.5*16mm	<b>R86058</b>  Button Head 3*6mm	<b>R86059</b>  Button Head 3*8mm

Spare Part				
<b>R86060</b>  Button Head 3*10mm	<b>R86061</b>  Button Head 3*12mm	<b>R86062</b>  Button Head 3*14mm	<b>R86063</b>  Button Head 3*16mm	<b>R86065</b>  Button Head 3*20mm
<b>R86066</b>  Button Head 3*25mm	<b>R86691</b>  Button Head 4*10mm	<b>R86529</b>  Button Head Self-tapping 2*6mm	<b>R86530</b>  Step Screws 4*11.5mm	<b>R86692</b>  Cap Head 1.4*5mm
<b>R86365</b>  Cap Head 2*5mm(Silver)	<b>R86707</b>  Cap Head 2*5mm(Black)	<b>R86289</b>  Cap Head 2*8mm	<b>R86071</b>  Cap Head 2.5*8mm	<b>R86320</b>  Cap Head 2.5*11mm
<b>R86693</b>  Cap Head 2.5*18mm	<b>R86694</b>  Flat Head 2*8mm	<b>R86072</b>  Flat Head 2.5*10mm	<b>R86532</b>  Flat Head 3*6mm	<b>R86068</b>  Flat Head 3*8mm
<b>R86596</b>  Flat Head 3*12mm	<b>R86321</b>  Flange Head Screws 3*4	<b>R86053</b>  Crub Screw Bolt 3*3mm	<b>R86054</b>  Crub Screw Bolt 4*4mm	<b>R86537</b>  Metal Washer φ2.6*φ6*0.5
<b>R86695</b>  Metal Washer(3*7*0.8)	<b>R86696</b>  Gasket(5.1*6.5*3)	<b>R86535</b>  E-Clips-φ2.5mm*6P E-Clips-φ4mm*6P	<b>R86706</b>  Pin -2*10mm*6P Pin -2*7.5mm*6P Pin -2*12mm*6P	<b>R86661</b>  Winch Spool
<b>R86700</b>  Alloy Wire Clip Steel Wire+Wire Hook	<b>R86539</b>  Dig Servo 9G /7.4V	<b>R86688</b>  Winch Servo 25KG(360°)	<b>R86540</b>  Steering Servo 25KG	<b>R86541</b>  Servo Horn(25T)

Spare Part				
<b>R86697</b>	<b>XA8-150</b>	<b>R86338</b>	<b>R86698</b>	<b>R86702</b>
 Motor-550/6235	 Radio/Receiver	 ESC -60A	 Adjustable LED Lamp	 Light set
<b>R86701</b>				
 pipe				
Optionals Part				
<b>R86621</b>	<b>R86624</b>	<b>R86625</b>	<b>R86571</b>	<b>P860049-1</b>
 "Hobbywing QUICRUR" 80A customed crawler ESC and 570-35 T crawler motor. Upgrade power Kit	 RGT crawler motor 570/35T	 ESC-80A	 Crawler Battery (7.4V6200mAh/Plug:T)	 (silver) Caster Mounts (L/R)(AL.)
<b>P860050-1</b>	<b>P860051-1</b>	<b>P860052-1</b>	<b>P860018</b>	<b>P860065</b>
 (silver) Steering Mount R(AL.)	 (silver) Steering Mount L(AL.)	 (silver) Rear Straight Axle Cover(AL.)	 straight axle mount(AL.)	 Wheel (AL.)
<b>P860066</b>	<b>P860067</b>	<b>P860115</b>	<b>P860119</b>	<b>P860120</b>
 Wheel (AL.)	 (AL.) Aloy Wheel Weigh Set 132g	 Motor Mount(AL.)	 Gearbox Plate(AL.)	 Rear Upper Link Mount(AL.)
<b>P860121</b>	<b>P860096</b>	<b>P860116</b>	<b>P860117</b>	<b>P860118</b>
 Servo Mount(AL.)	<b>COPPER</b>  Copper Distributionc Housing Weight Set 146g	<b>COPPER</b>  Caster Mounts (L/R) Housing Weight Set 66g	<b>COPPER</b>  Steering Mount (L/R) Housing Weight Set 102g	<b>COPPER</b>  Rear Straight Axle Cover (L/R) Housing Weight Set 119g



### PRODUCT QUALIFICATION CERTIFICATION

The product has conducted IQC (Input Quality Control) and full inspection before delivery. The manufacturer is responsible for quality assurance. Remote Control model is assembled manually, and then there may have some defects in the production process. Once the product is modified or incorrect operation, it cannot apply for replacement and return services, for the parts and accessories may be damaged. Please contact the retail seller for after-sales service when needed.

The product conforms to technical requirements of export safety regulations.

Factory Address: Huang Jiang Town, Dong Guan City, Guang Dong Province, China  
Website: [www.RGT-RACING.Com](http://www.RGT-RACING.Com)

Production Date: refer to packing instruction