



# USER MANUAL

## OFF-ROAD CRAWLER

### NO.EX86160



**ROCK CRAWLER**



**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.

Remote control models are specialized and high-value products. If you identify any quality defects upon receipt, please do not use the product and contact the seller immediately to arrange a replacement or return. Please note that we cannot provide any after-sales guarantee for damages which are caused by improper use.

The product conforms to technical requirements of export safety regulations.



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



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



**MADE IN CHINA**

Factory Address: 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 of 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 the motor 10 - 15 minutes to cool down between each operation. 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, composed of precision electrical components, must be kept 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 the model prior to each run.
- Use replacement parts from the original manufacturer to ensure safe product 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 about 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.

 **Danger** Not following these instructions may lead to serious injuries or death.

 **Warning** Not following these instructions may lead to major injuries.

 **Attention** Not following these instructions may lead to minor injuries.

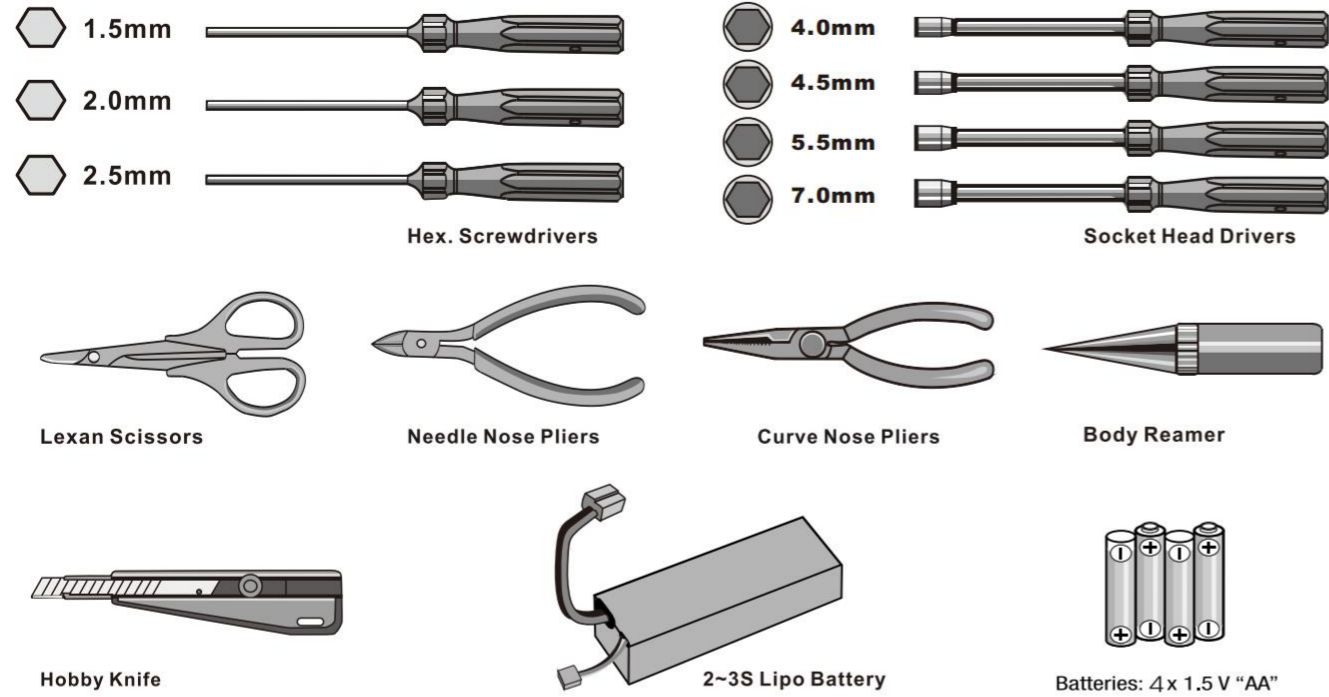
 <p><b>Prohibited</b></p>	<ul style="list-style-type: none"> <li>■ Do not use the product at night or in bad weather like rain or thunderstorm. It can cause erratic operation or loss of control.</li> <li>■ Do not use the product when visibility is limited.</li> <li>■ Do not use the product on rain or 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 the 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>
 <p><b>Mandatory</b></p>	<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 battery issues or 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 radio maximum signal range to prevent loss of control during operation.</li> </ul>

Thanks for purchasing our RC car. Since the power system of the RC model can be very dangerous, please read this manual carefully. Since we have no control over the correct use, installation, application, or maintenance of our products, we shall assume no liability for any damages, losses or costs resulting from the use of this 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.

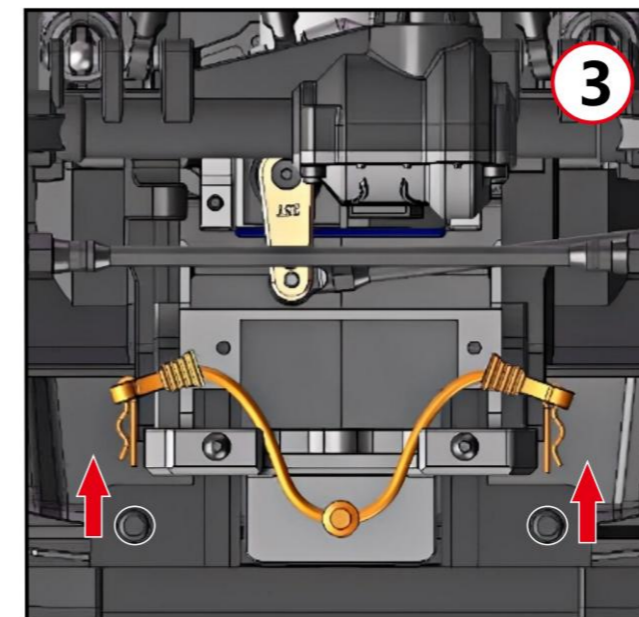
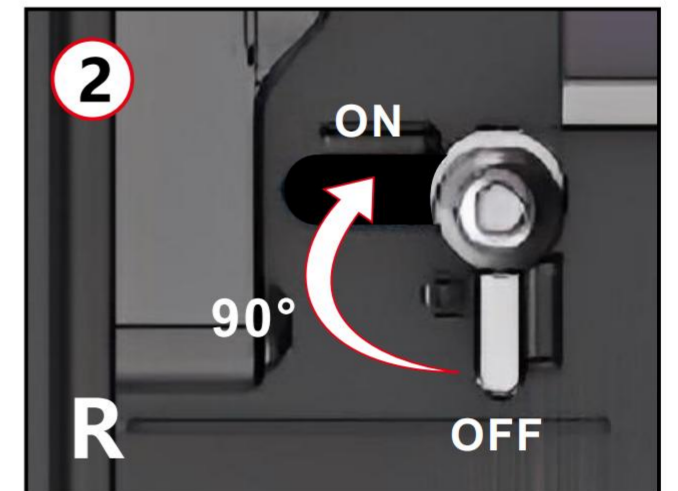
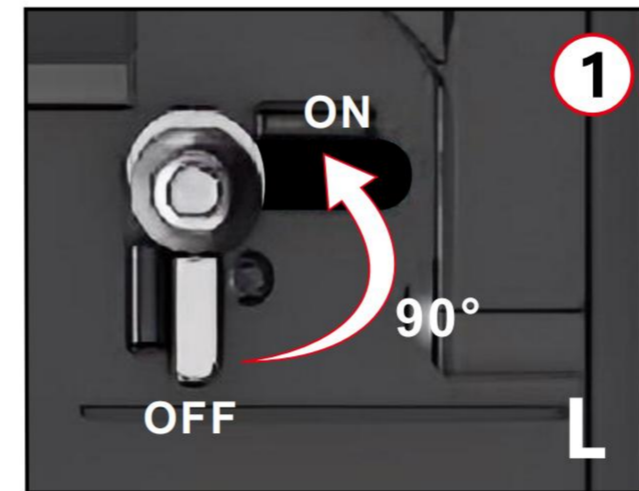
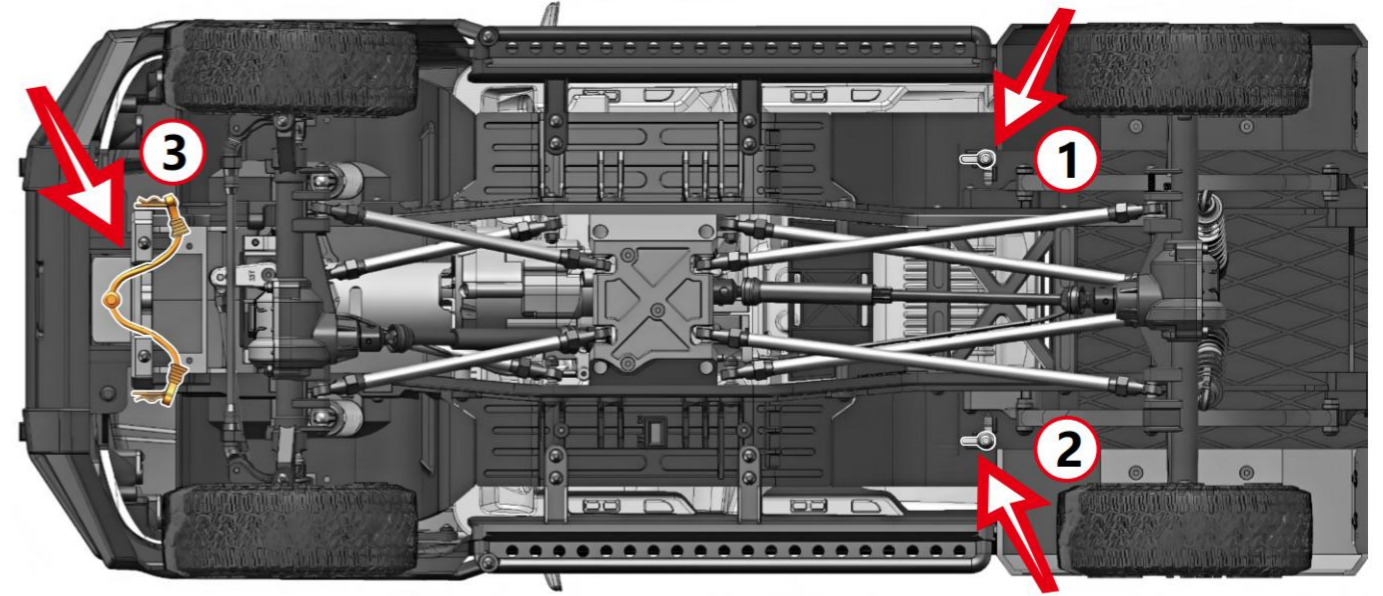


## 3. Please check the whole product condition when open the package.

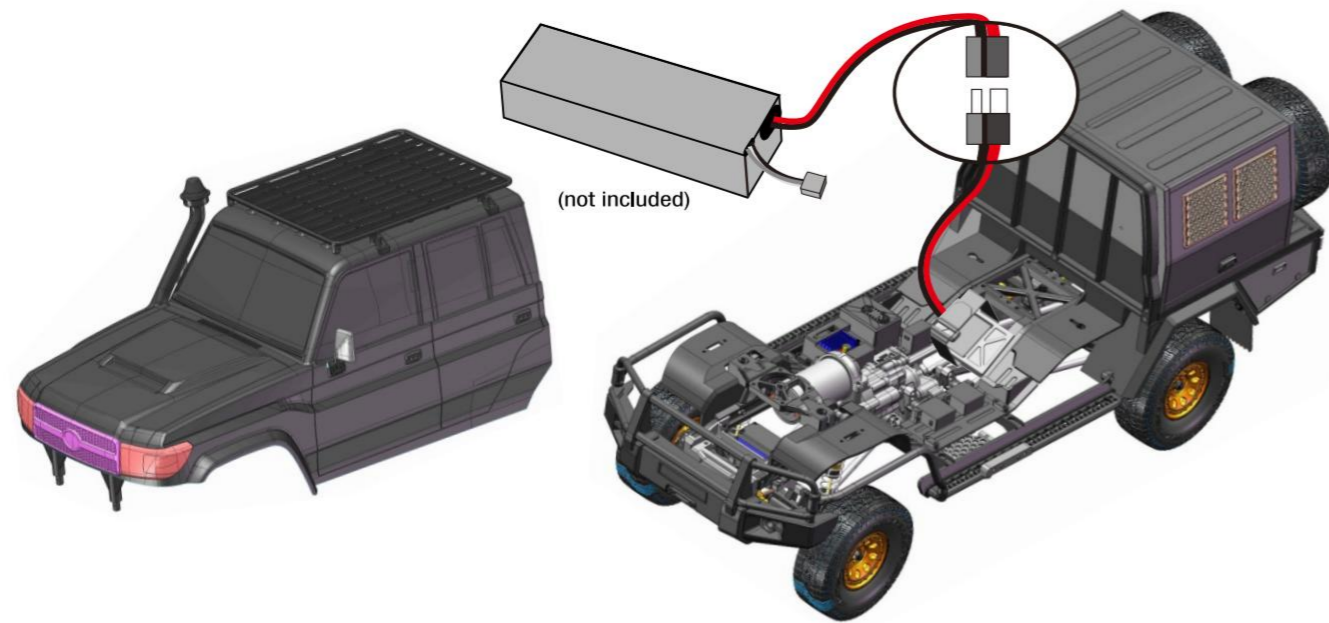
- 3-1. After each day of running, you should check your shocks for adequate fluid. If the fluid is low, or it is getting dirty, you should change the fluid in the shocks. To achieve better performance, you may also want to change the shock fluid and or the pistons.
- 3-2. Gear mesh is the clearance between 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.



## 4. As shown, open rear left and rear right latches, and pull out the front latch, then remove the body!



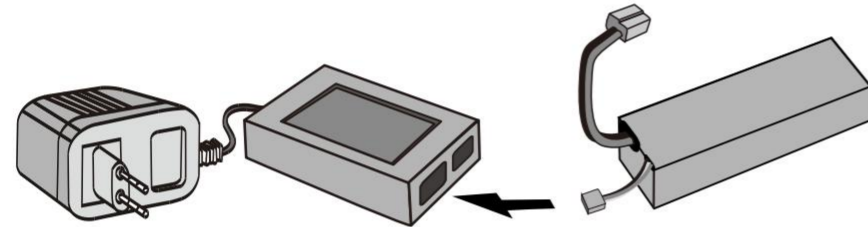
## 5. Install Charged Batteries In Car.



## 6-1. 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)

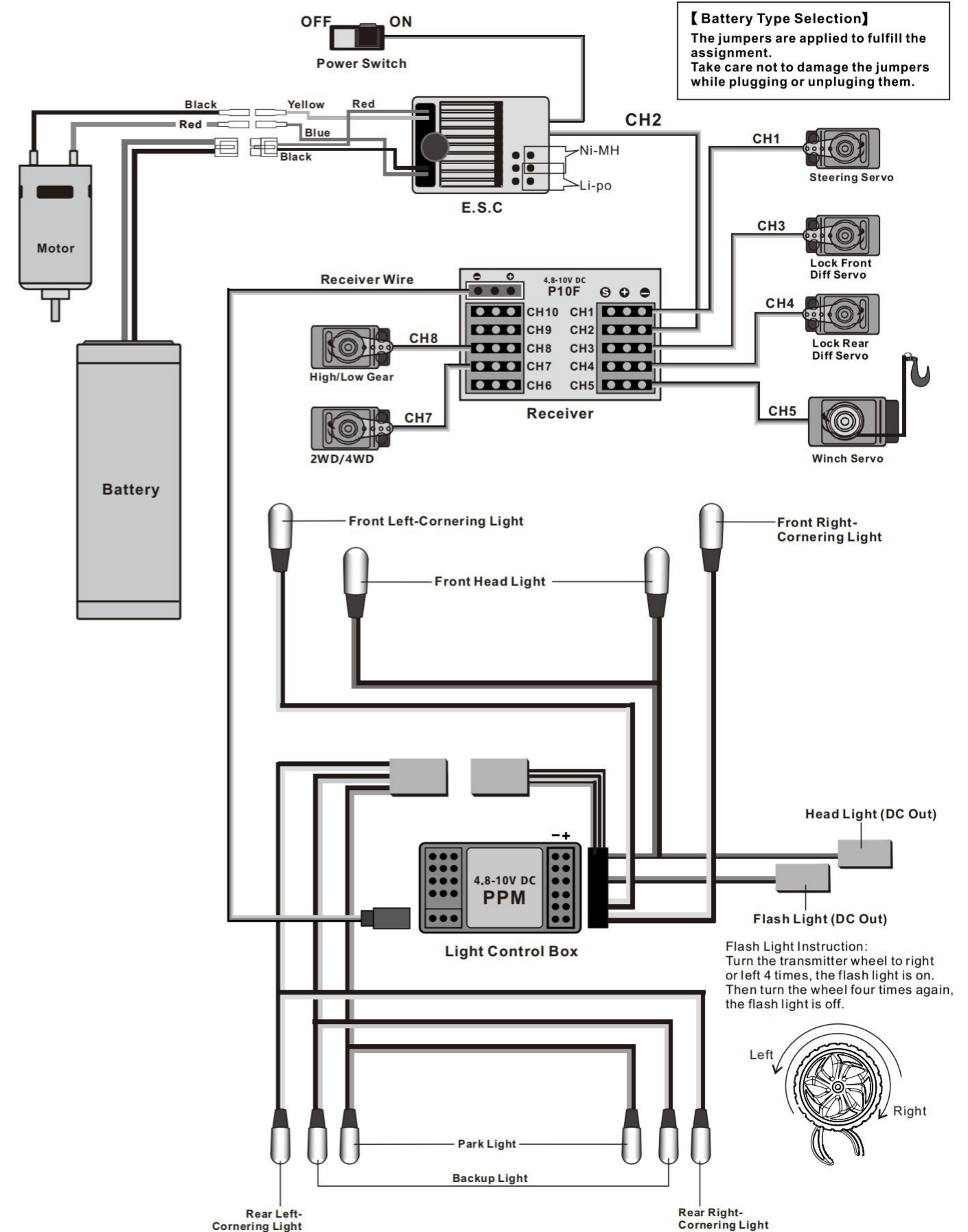
## Charge the vehicle battery

- 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.

## 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 container 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 model 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).

## 6-2. Scheme of installation



**【 Battery Type Selection 】**  
The jumpers are applied to fulfill the assignment. Take care not to damage the jumpers while plugging or unplugging them.

## 7-1. 2.4GHZ Radio System



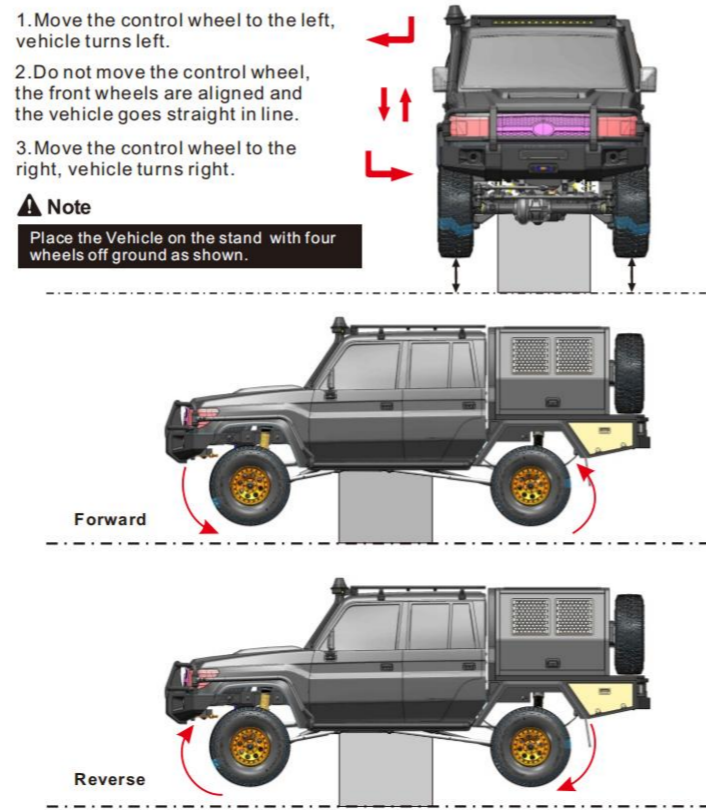
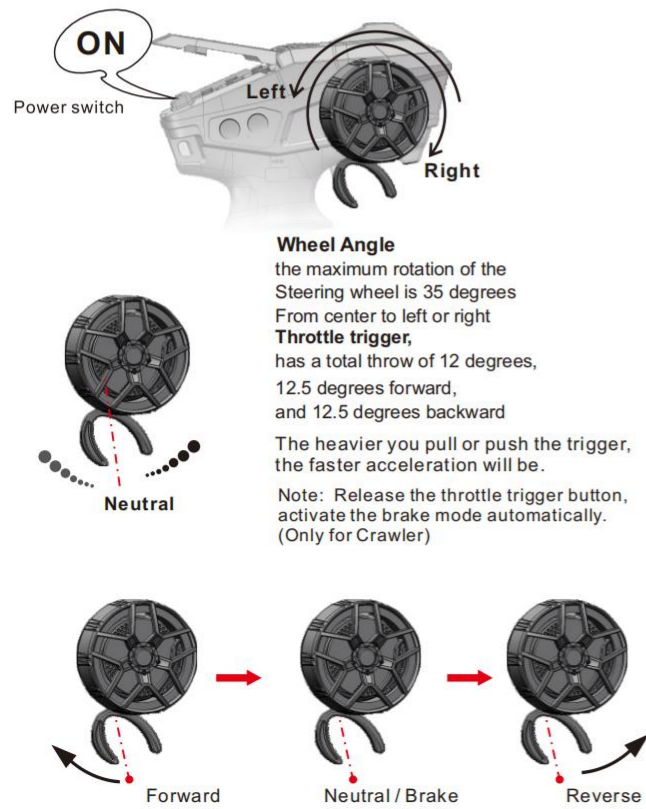
### Install The Transmitter Batteries:

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.

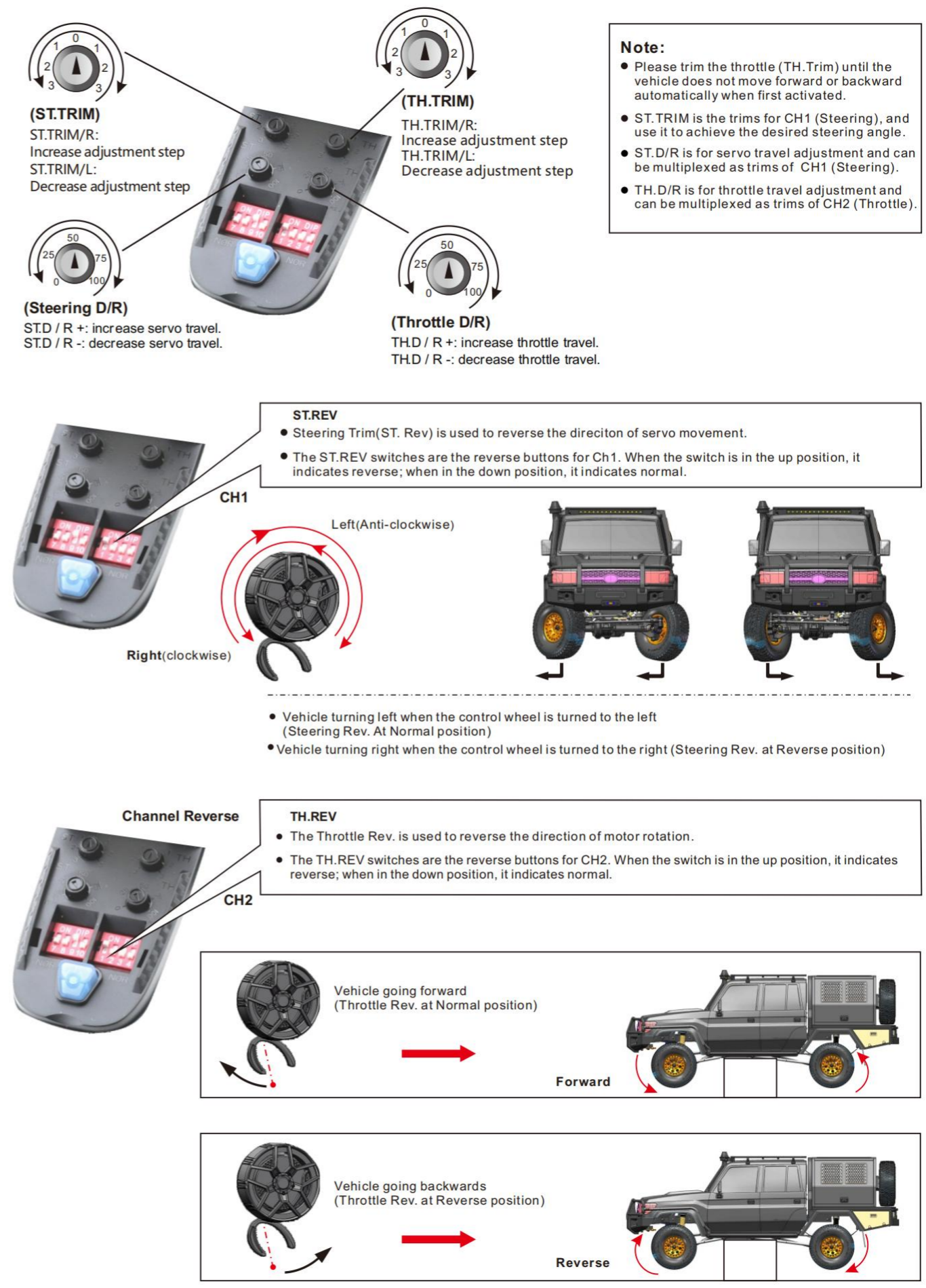
### Binding Process:

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.

## 7-2. Transmitter Steering Trim and Throttle Trim



## 7-3. Transmitter Steering and Throttle Instruction



## 7-4. Light Control Usage

**As shown in the figure:**  
 Press CH9 once:  
 The light turns on;  
 Press CH9 twice:  
 The light flashes;  
 Press CH9 again:  
 The light turns off.

**C. Right**  
**D. Left**

**C Right-Cornering Light**  
**D Left-Cornering Light**

**E**  
**E F/R Cornering Light**

**E. Turn the transmitter wheel left or right for three times, the emergency light flash is on. Turn three times again, the flash function is off.**

**F. Power Switch (OFF/ON)**

**OFF ON**  
**Left-Park Light** **Right-Park Light**  
**Rear Light**

**OFF ON**  
**Left-Park Light** **Right-Park Light**  
**Rear Light**

**G. Backup Light**

**Left-Backup Light** **Right-Backup Light**  
**Rear Light**

**Red(Park Light)**  
**White(Backup Light)**  
**Yellow(Cornering Light)**

## 7-5 Servo Winch Hook Function

**ON**  
**CH5**  
**CH6**

**1. Press and hold CH6 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 CH5 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.

**绞盘舵机**  
**CH6**  
**CH5**

## 7-7 DIG Function instruction

**ON**  
**CH7**

**The standard mode - 4WD**  
**Forward** **(4WD)** **Reverse**

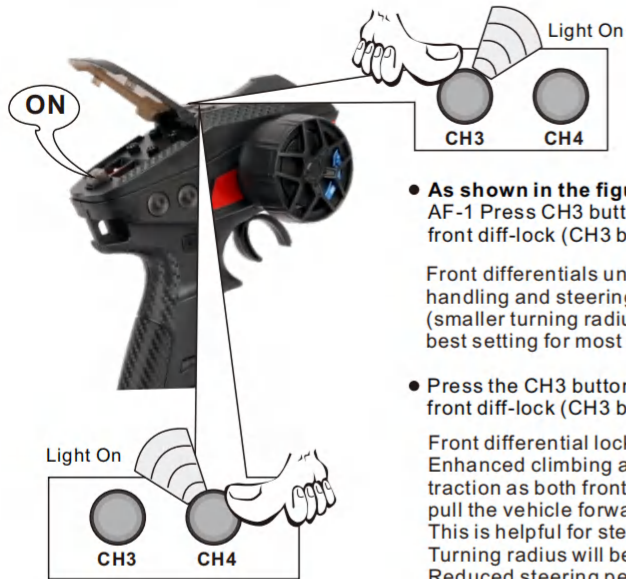
**Front-wheel drive mode**  
**Forward** **(2WD)** **Reverse**

**Front-wheel drive mode + Rear Housing Lock**  
**Forward** **(2WD/DIG)** **Reverse**

## 7-7. Operating the Lock Differentials

The switch on top of the transmitter operates CH3/CH4 the front and rear differential locking mechanism. The differentials can be locked or unlocked at any time during most driving conditions. If the model is stuck and there is wheelspin on a single wheel (one side of an unlocked differential is free-wheeling), then release the throttle and allow the wheels to stop before locking the differential. Apply throttle slowly until the differentials fully engage or disengage.

**! The front and rear diff lock is locked in factory. Ensure the vehicle in static or slow driving to avoid gear sweeping when conversion operation on the front and rear diff lock.**



- **As shown in the figure:** AF-1 Press CH3 button, unlock the front diff-lock (CH3 button is on.)

Front differentials unlocked. Best handling and steering performance (smaller turning radius). This is the best setting for most of your driving.

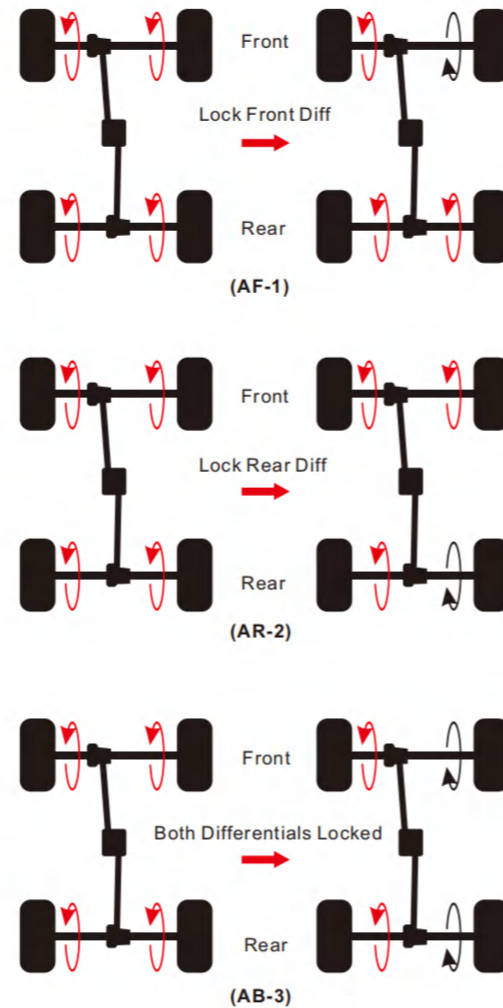
- Press the CH3 button again, lock the front diff-lock (CH3 button is off.)

Front differential locked. Enhanced climbing ability and traction as both front tires work to pull the vehicle forward. This is helpful for steep inclines. Turning radius will be decreased. Reduced steering performance.

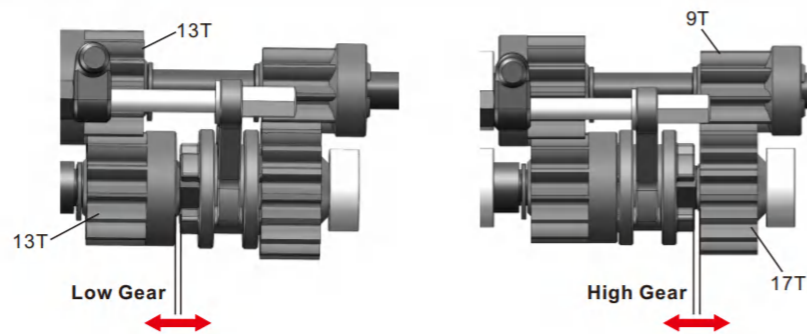
- **As shown in the figure:** AR-2 Press CH4 button, unlock the rear diff-lock (CH4 button is on.)
- Press the CH4 button again, lock the rear diff-lock (CH4 button is off.)
- **As shown in the figure:** AB-3 Press CH3 and CH4, unlock the front and rear diff-lock. (the button is on)
- Press CH3 and CH4 again, lock the front and rear diff-lock. (the button is off)

Both differentials locked. Maximum climbing ability and traction. Reduced steering performance. On surfaces with good traction, it is normal for the truck to appear to alternately bind and slip the tires when attempting tight turns with the differentials fully locked.

Locked differentials can be used at any time, but unlocking the differentials greatly improves vehicle handling during high-speed driving



## 7-8. Shifting the High-Low Transmission

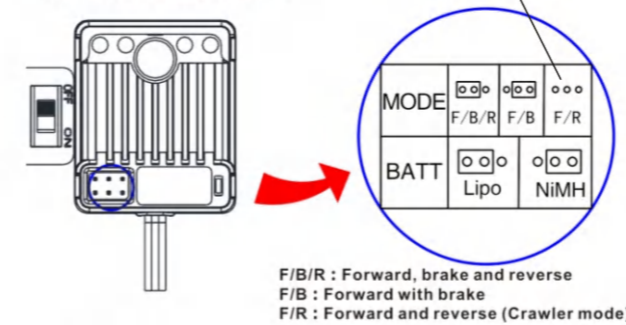


**! Please stop or slow down the vehicle when shifting gear, from low-speed to high-speed or from high-speed to low-speed, in order to make the shift operation more smoother and protect the gear.**

- 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

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

### WP-1060-BRUSHED



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
Motor Limit	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 in the opposite direction, please swap these two wire connections.**

### [PROTECTION FUNCTIONS]

1. 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

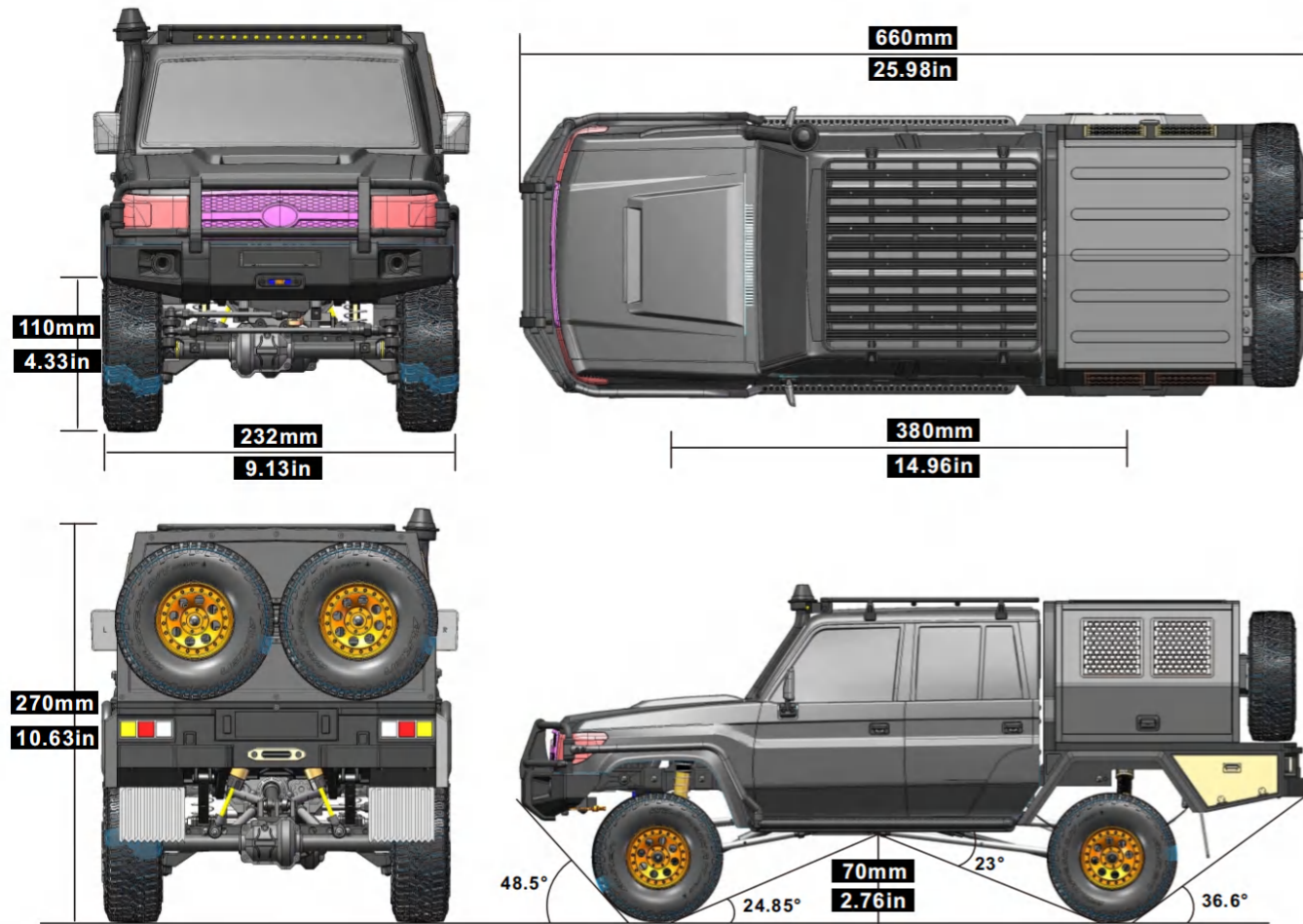
2. Over-heat protection: When the internal temperature of the ESC is higher than 100 Celsius degree or 212 Fahrenheit degree for 5 seconds, the ESC will reduce and cut off the output power.
3. When the car stops, the red LED blinks to indicate the over-heat protection has been activated. If the ESC cools down to 80 Celsius degree (176 Fahrenheit degree) the output power is recovered to normal state.

### [TROUBLE SHOOTING]

Trouble	Possible Reason	Solution
After power on, motor cant work, no sound is emitted, and LED is off.	The ESC does not 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 cant 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 cant 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 cant 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.

## 9. Specifications



Item No	EX86160	Wheel	110*36mm	ESC	WP-1060 / 60A
Item Name	LAND COMMANDER	Clearance	70mm(classis) 35mm (axle)	Motor	6235-RC550-35T
Scale	1/10	Weight	4.44kg(No battery)	Gear Ratio/ Low speed	36:1(F) 38:1(R)
Description	OFF-ROAD CRAWLER	Radio/Rx	2.4G/10CH(X10-EA)	Gear Ratio/ high speed	19:1(F) 20:1(R)
Drive Type	Front-Wheel Drive+4WD	Battery Recommendations	2S or 3S Lipo	Ramp	23°
Length	660mm	Battery Size	<142*48*55mm(L*W*H)	Approach	48.5°
Width	232mm	Steering Servo	Digit Metal Gear 30KG	Departue	36.6°
Height	270mm	Winch Servo	360° Digit Metal Gear 25KG	Gift Box Size	695*260*300mm
Wheel Base	380mm	Function Servo	4.8~7.4V/9G(gear/lock)	Piece per Carton	1P

## 10. 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.

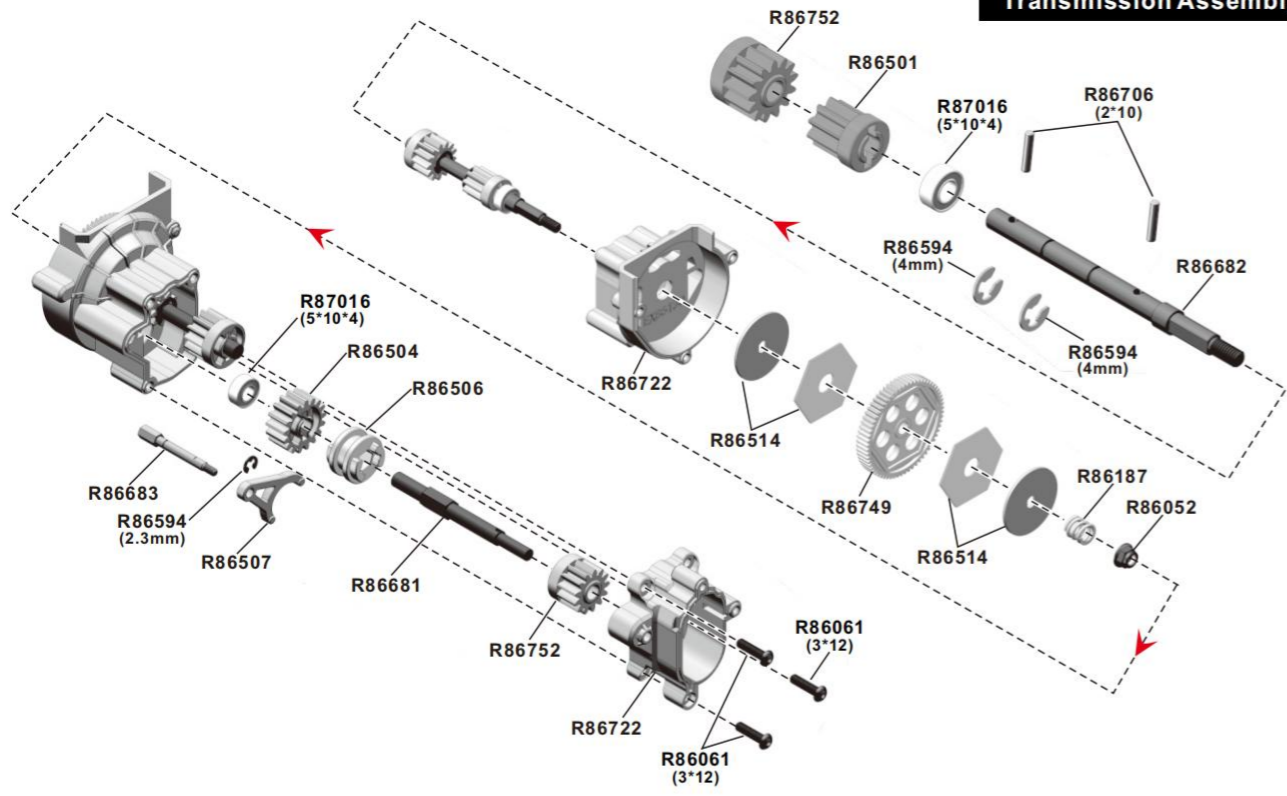
### Vehicle Maintenance:

- 1). Please remove the batteries from both the vehicle and the transmitter, when the car is out of use for a long time,
- 2). Before each use, please carefully check whether the circuit wires of the model are tight and free of loose connectors. Also, please carefully inspect if the wheels are securely fastened—loose wheels can cause excessive wear to parts such as the drive shaft, wheel cups, or wheel hubs.
- 3). Ensure the unused battery pack should be charged to 50-60% capacity before being stored in a dry and cool place, out of the reach of children.
- 4). After each use, please carefully check if all parts are intact, and repair or replace the worn parts. Use a fine brush to sweep the sand, marl and other dirt inside the model, then wipe it cleanly by a soft cloth.

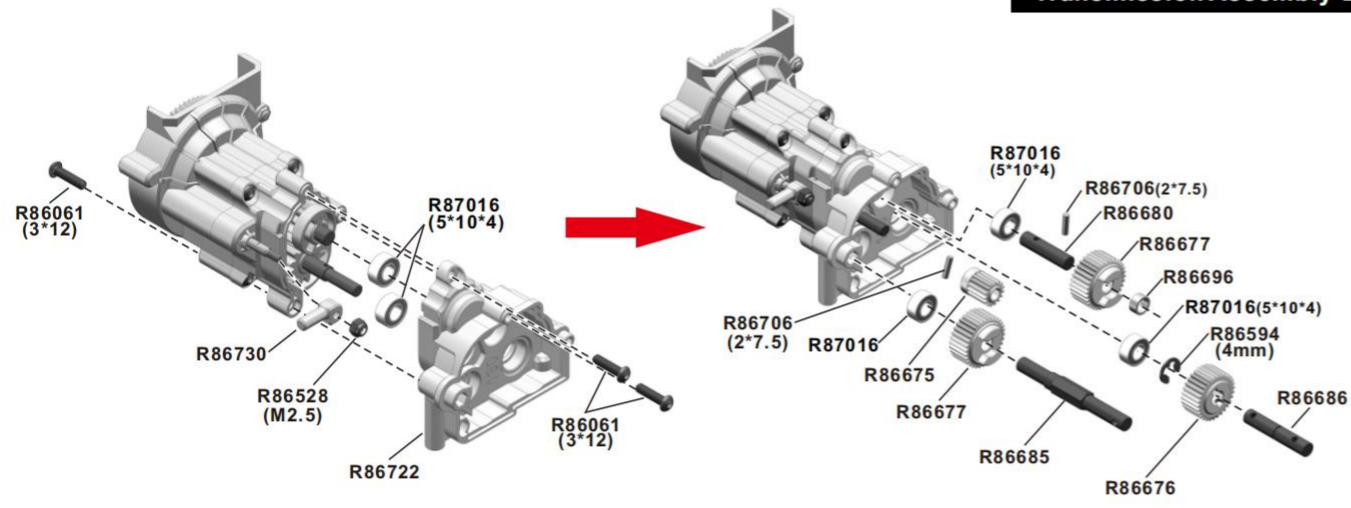
## 11. Troubleshooting

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 facoty 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
	Loose or tight between motor gear and main gear	Reset gear mesh
Only steering, no forward and backward	Gear damaged or rocked	Remove gear cover and inspect. If necessary, replace gear
	ESC failed or abnormal	Reset the neutral point or replace
	Transmitter failed or abnormal	Relace or contact seller

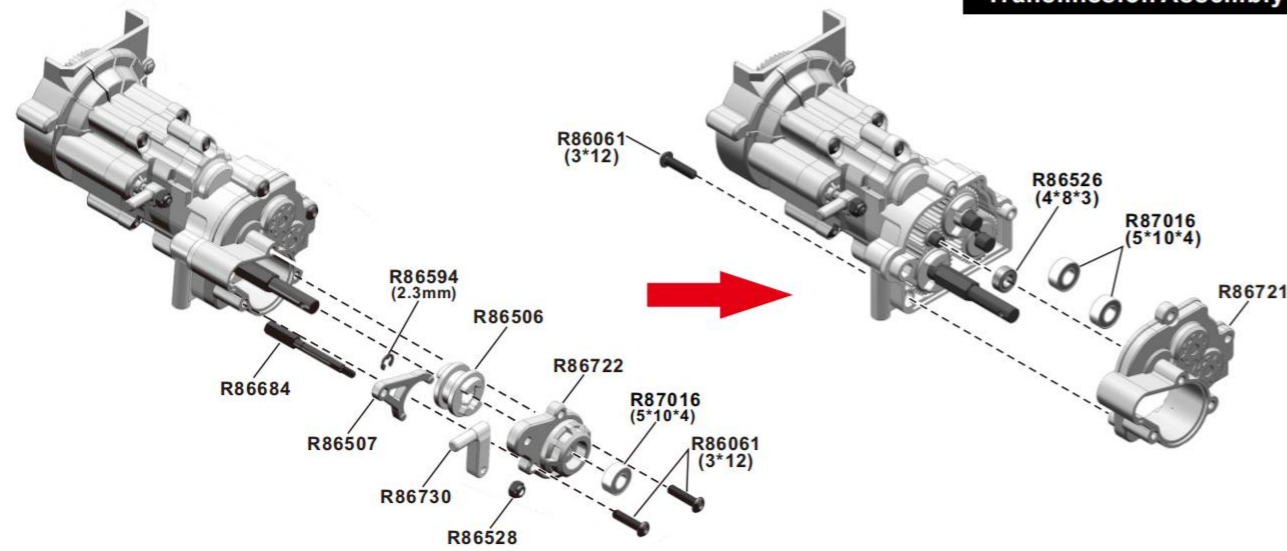
**Transmission Assembly-1**



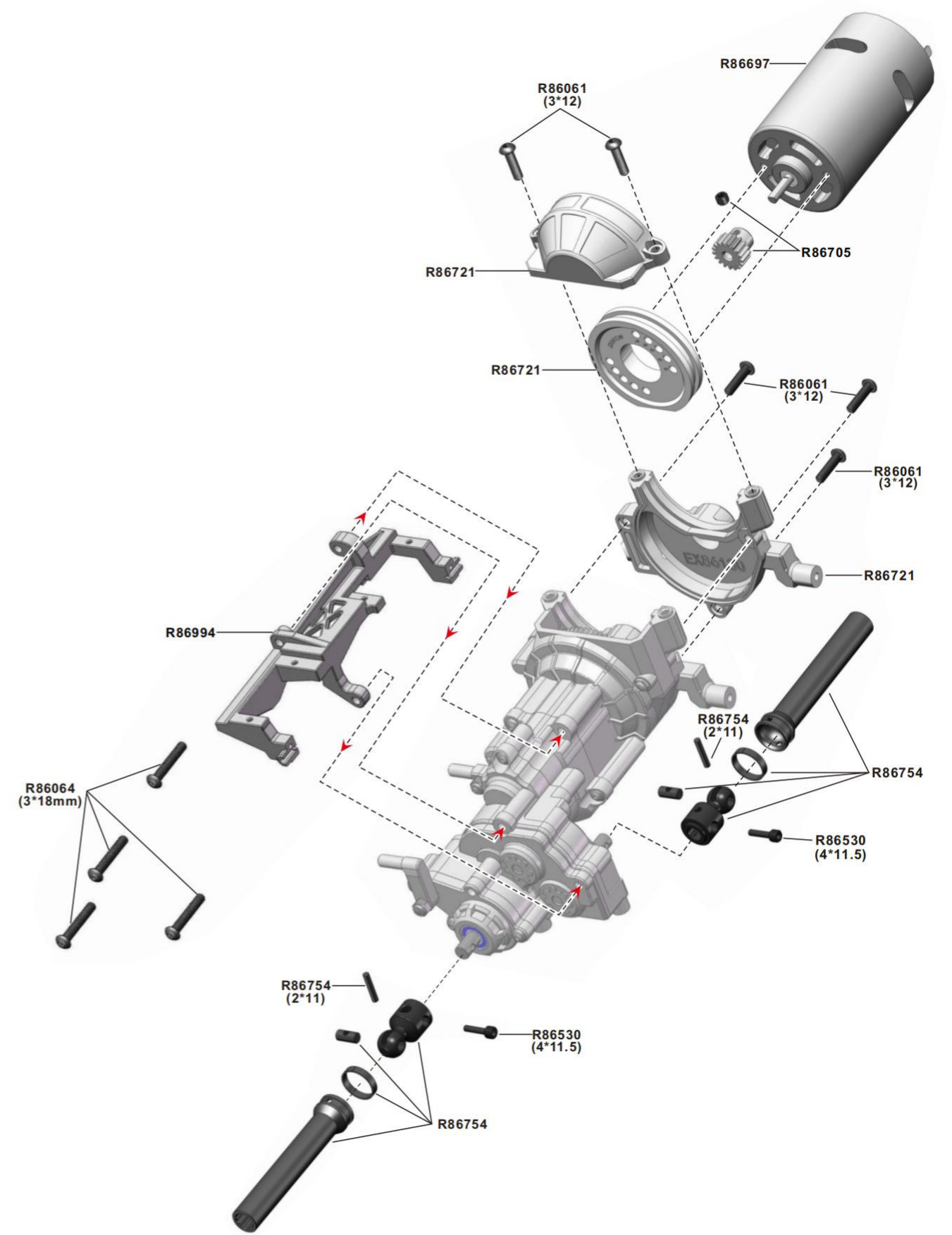
**Transmission Assembly-2**



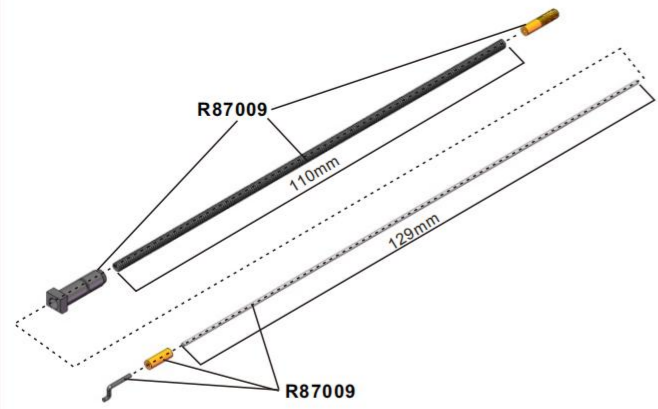
**Transmission Assembly-3**



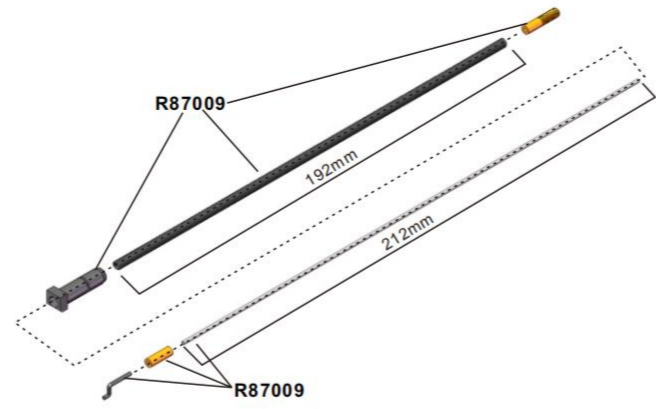
**Motor/Transmission Assembly**



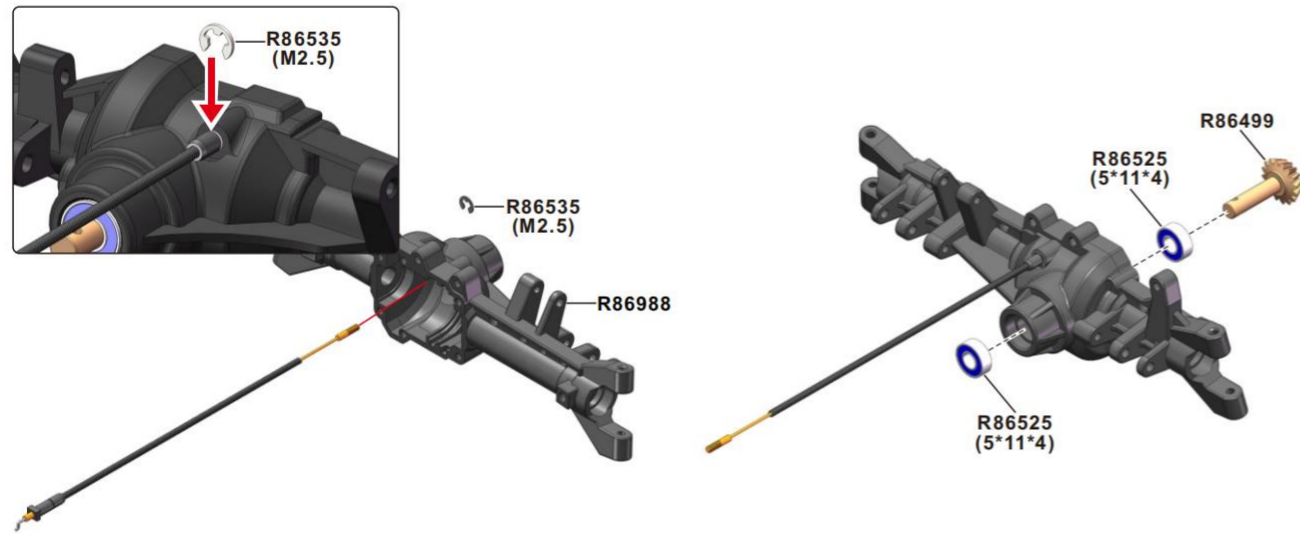
**Lock Diff Line Assembly-F**



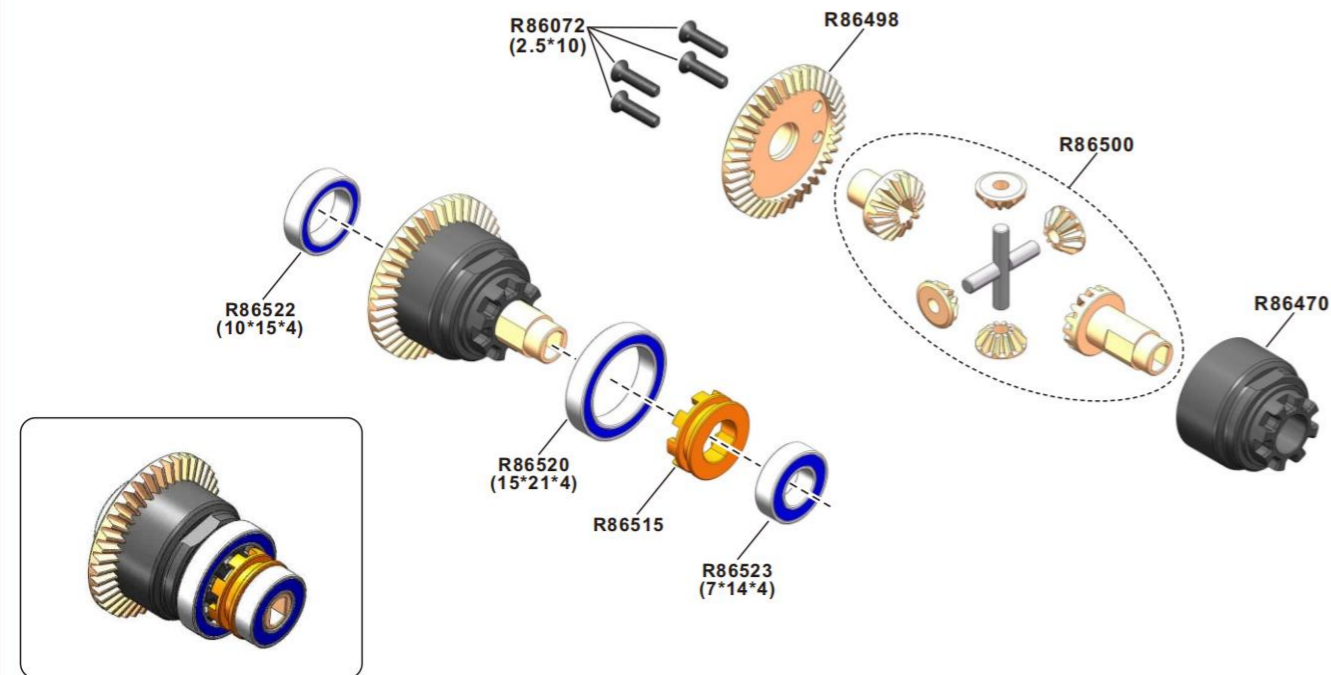
**Lock Diff Line Assembly-R**



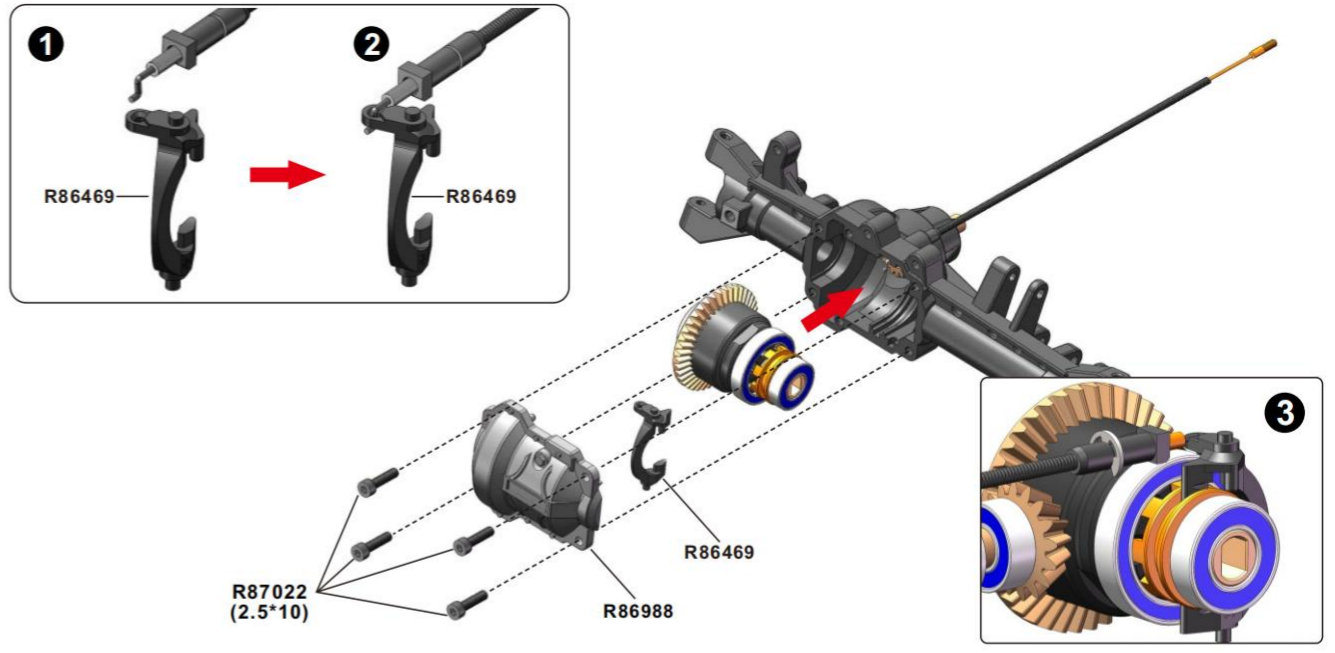
**Lock Diff Line Installation-F**



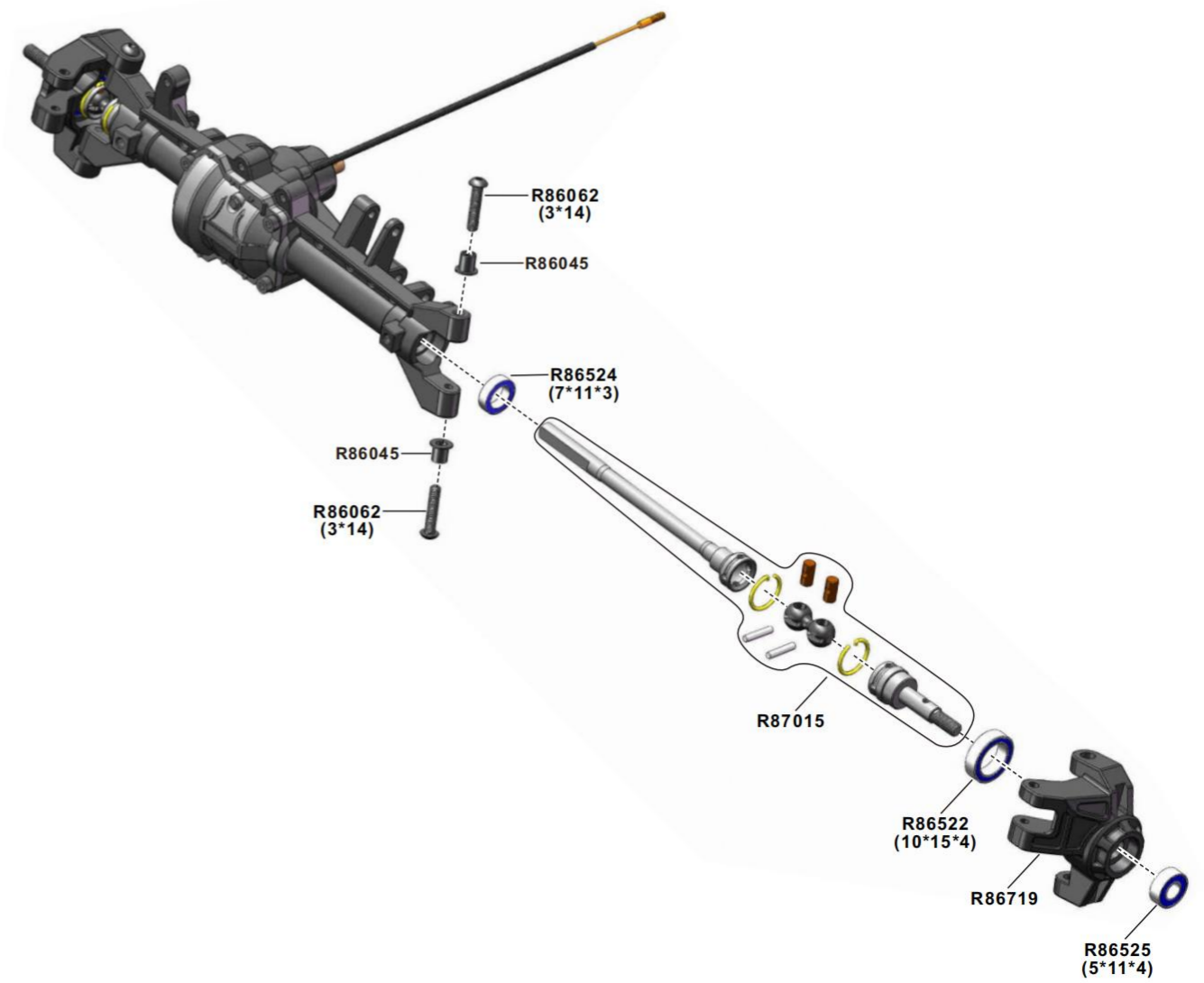
**Diff Gear Assembly**



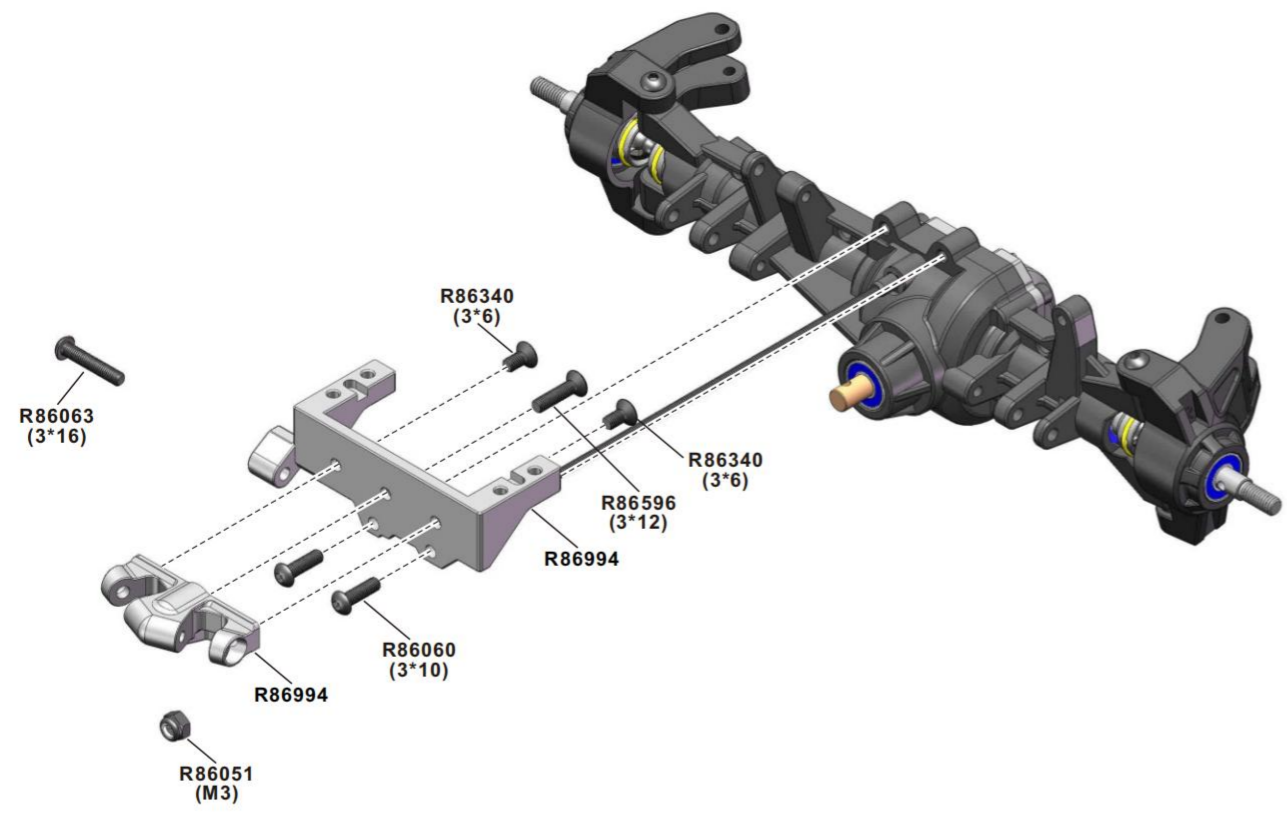
**Front Axle /Diff. Lock Clasp Installation**



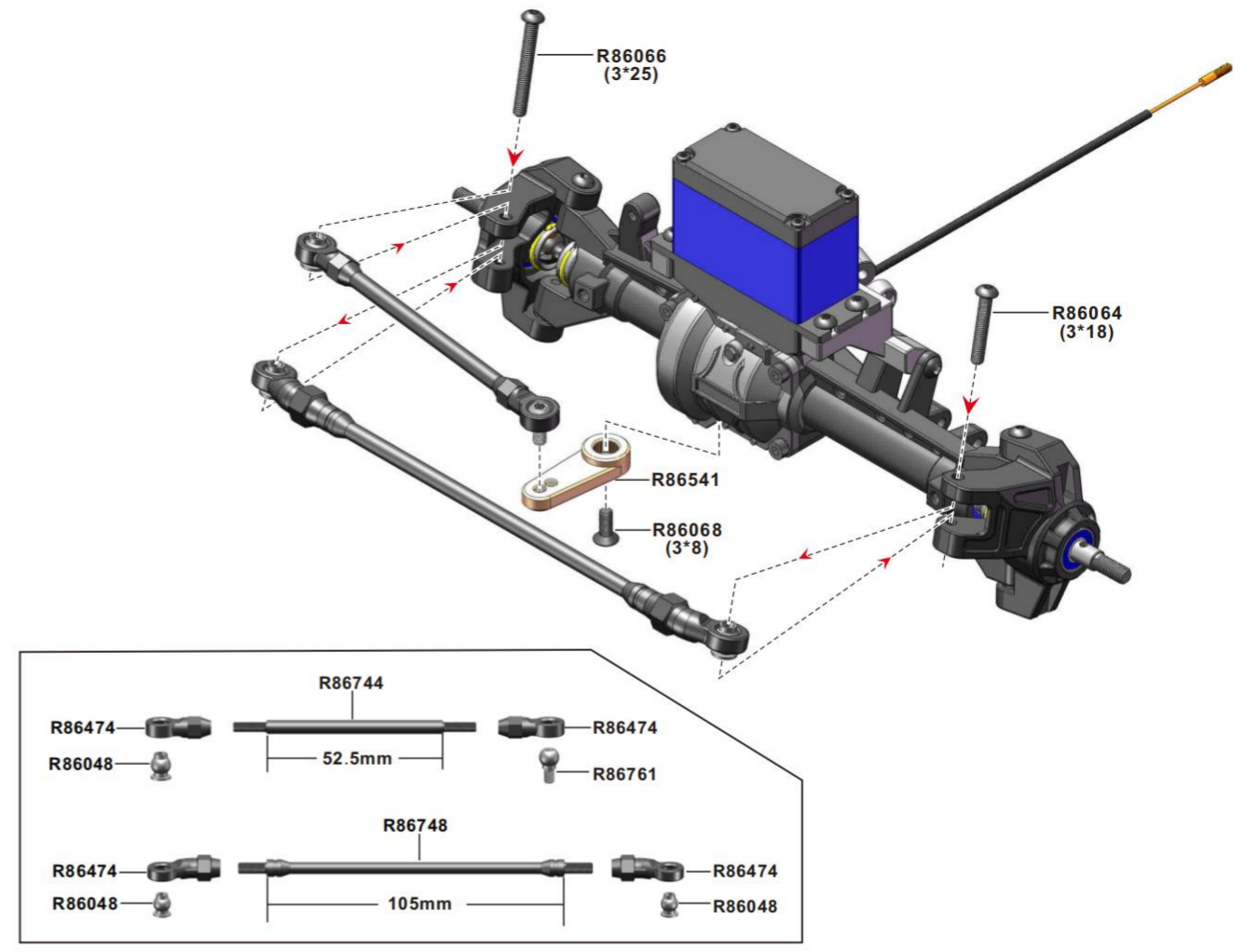
**CVD Drive shaft Assembly**



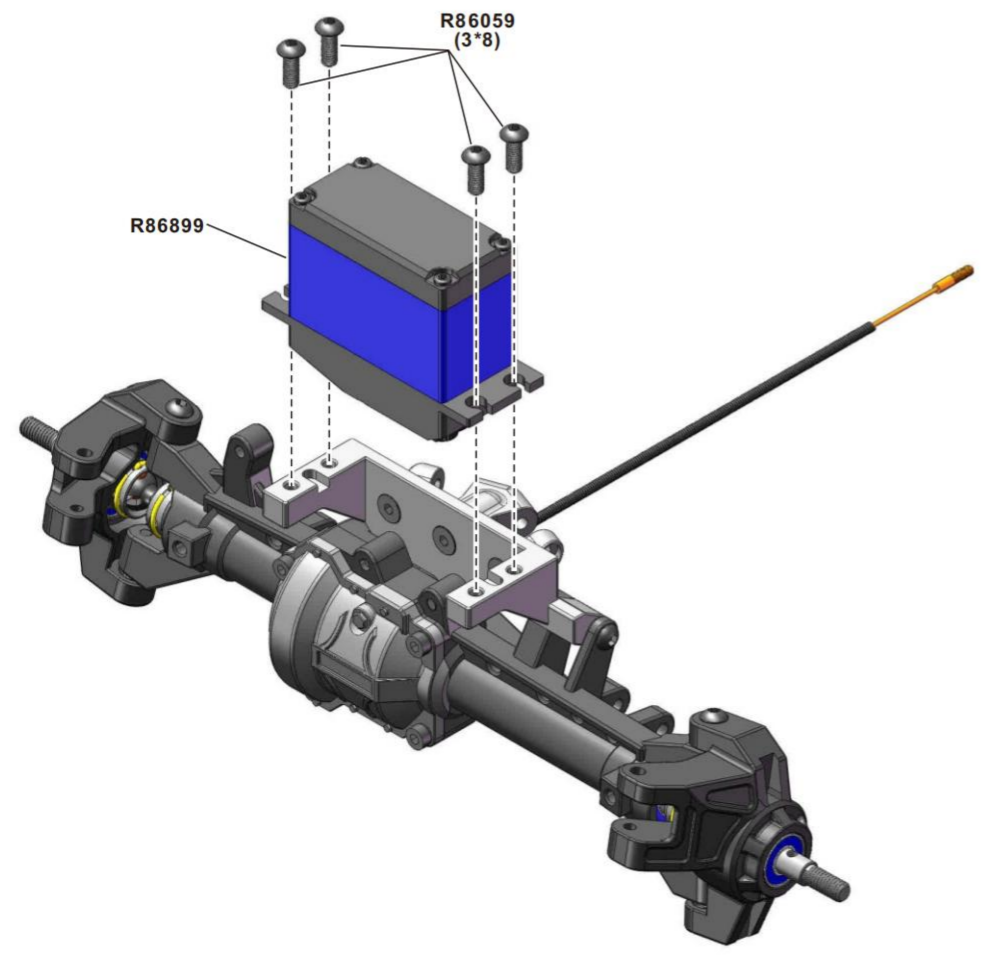
**Servo Mount Set Installation**



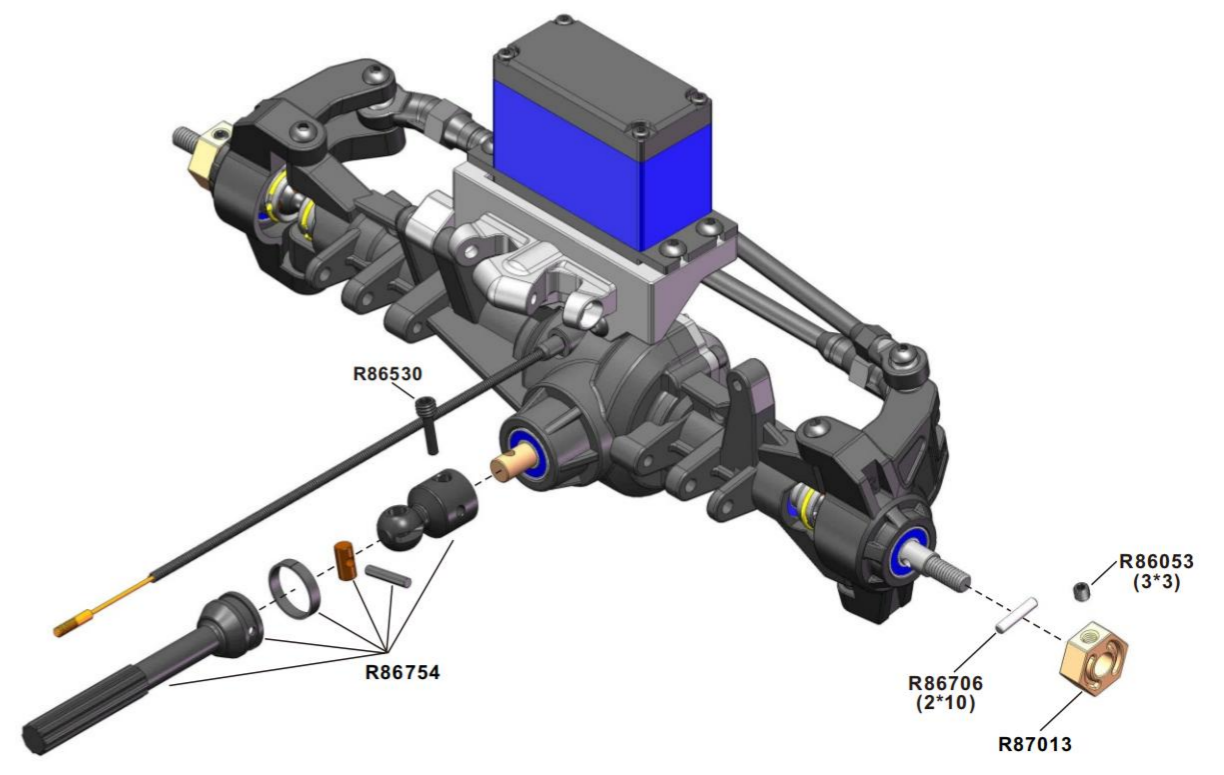
**Servo link/Steering Link Installation**



**Steering Servo Installation**



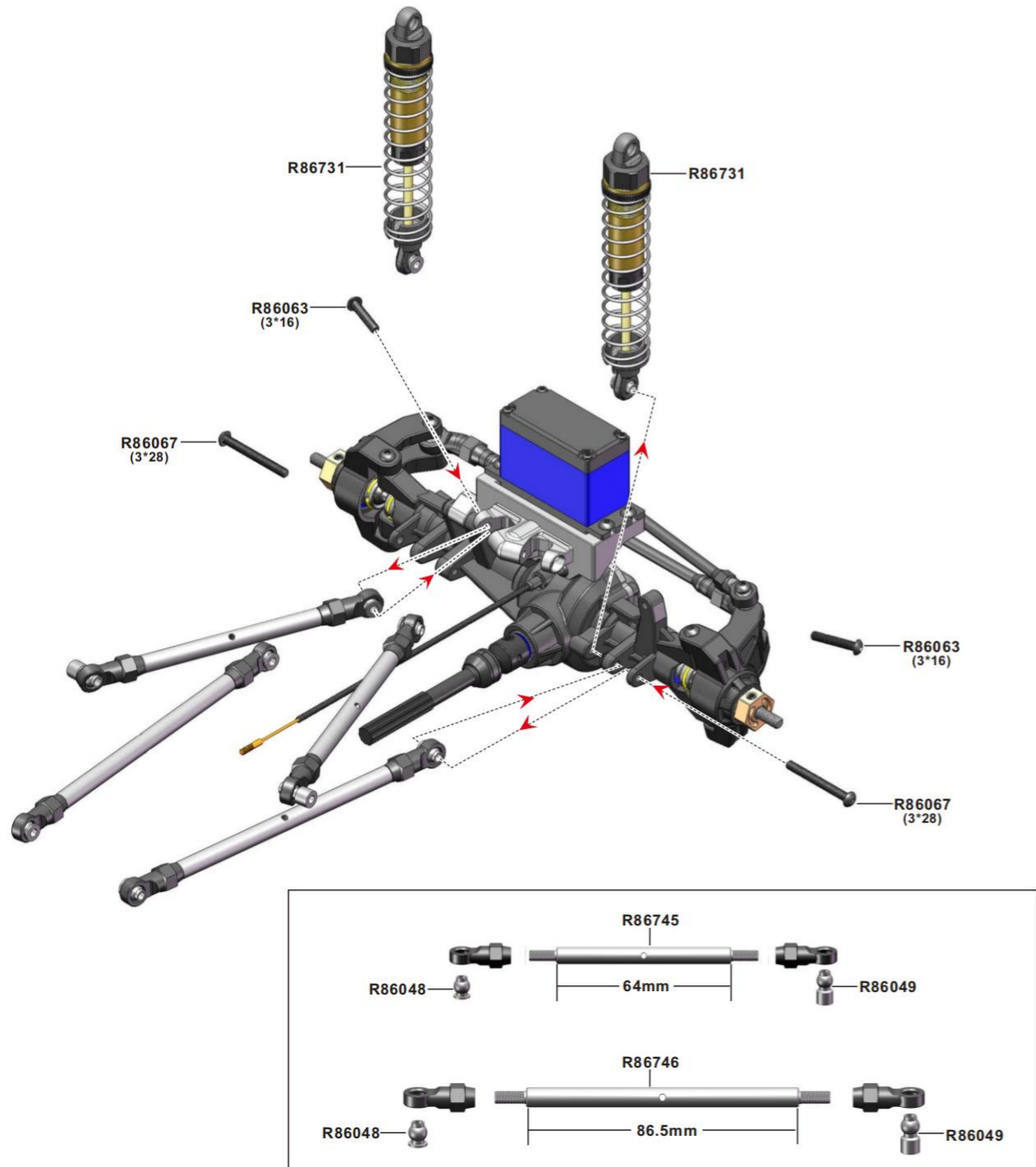
**Drive Axle Installation**



**Shock Absorbers Assembly**



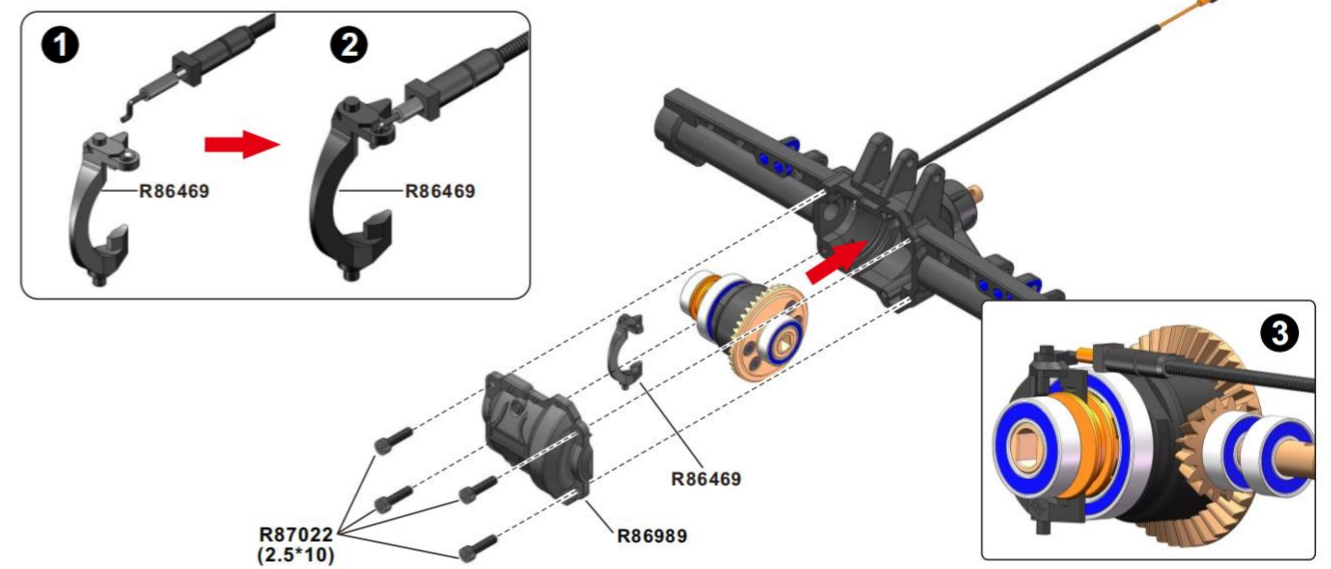
**Shock Absorbers Installation**



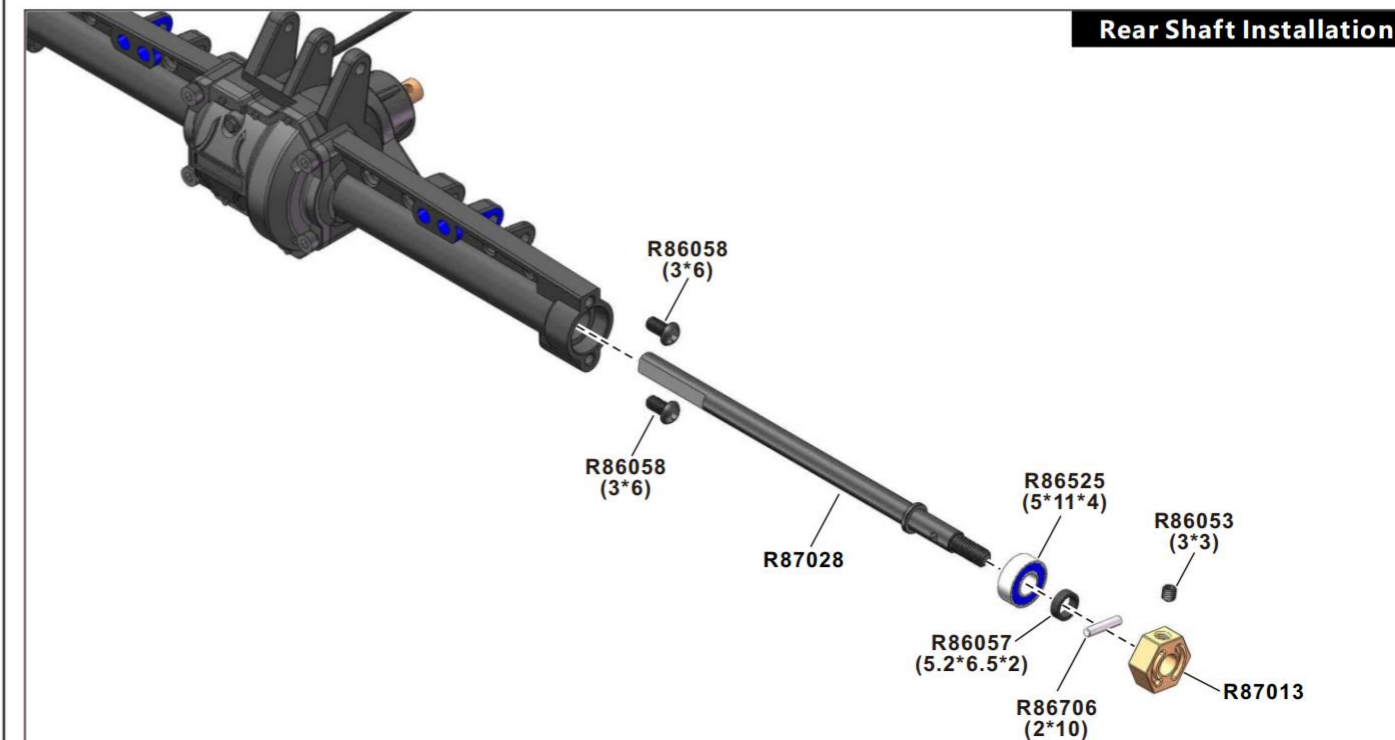
**Lock Diff Line Installation-R**



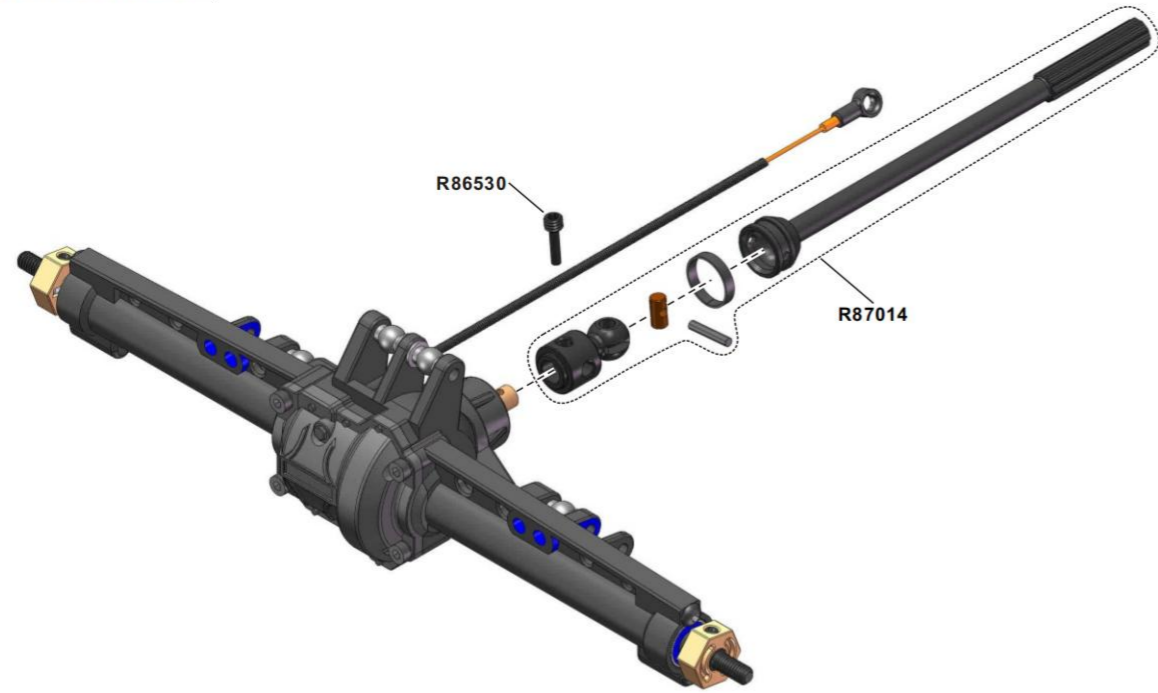
**Rear Axle /Diff. Lock Clasp Installation**



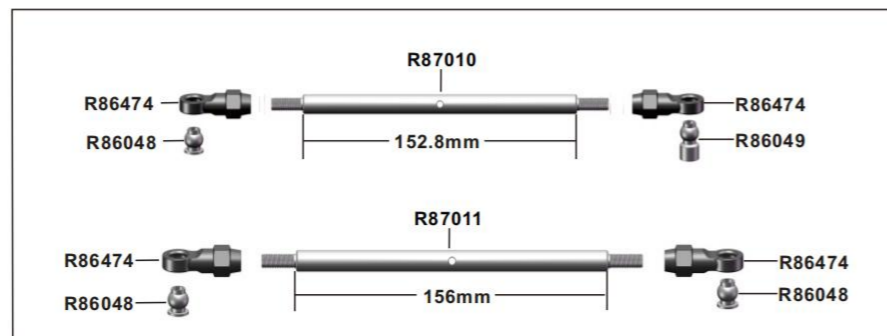
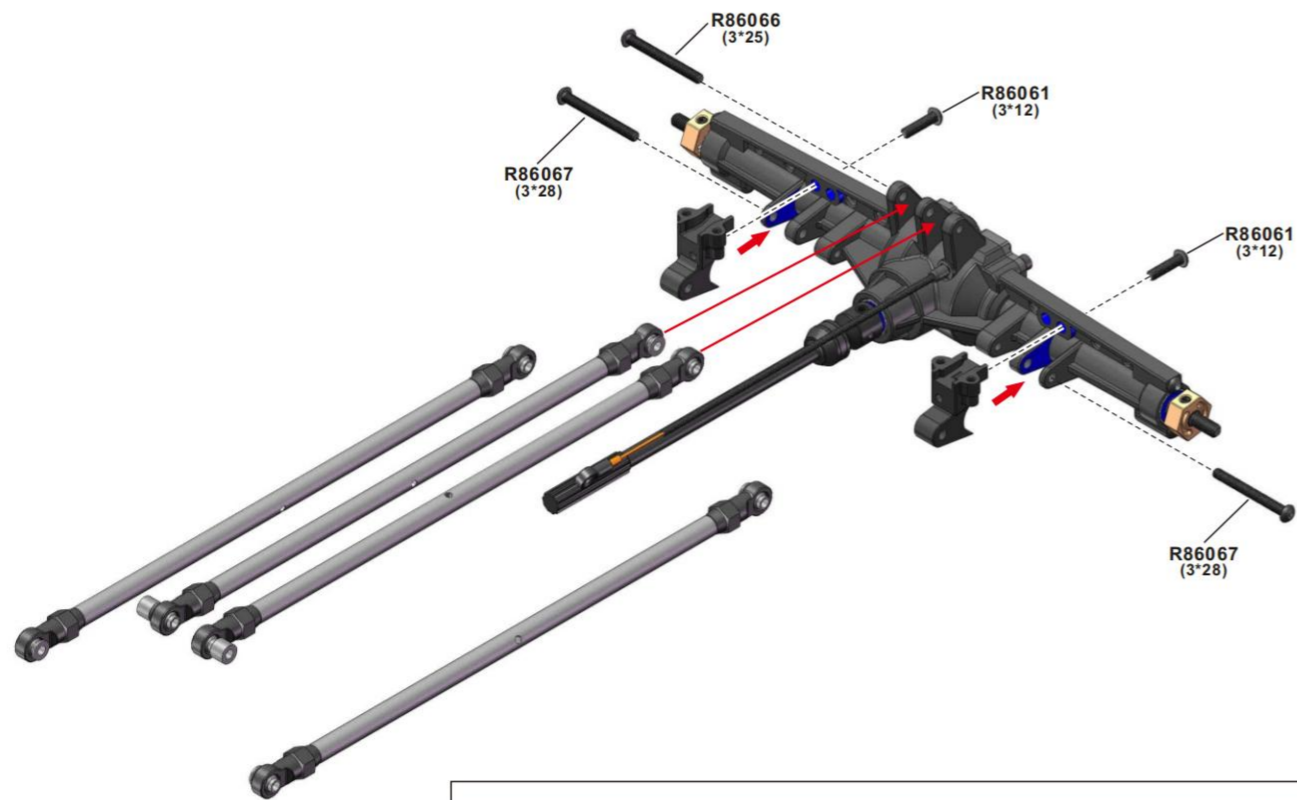
**Rear Shaft Installation**



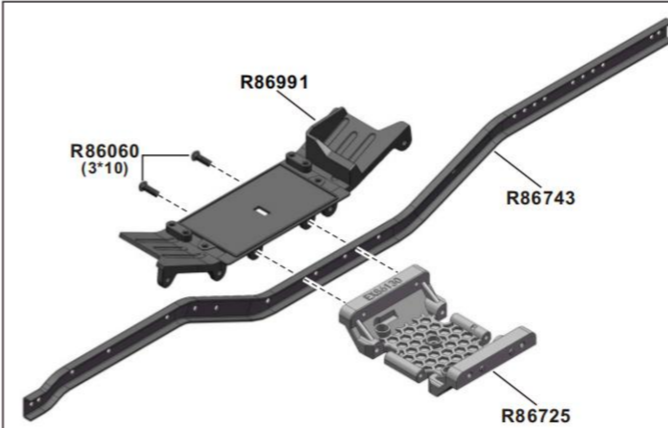
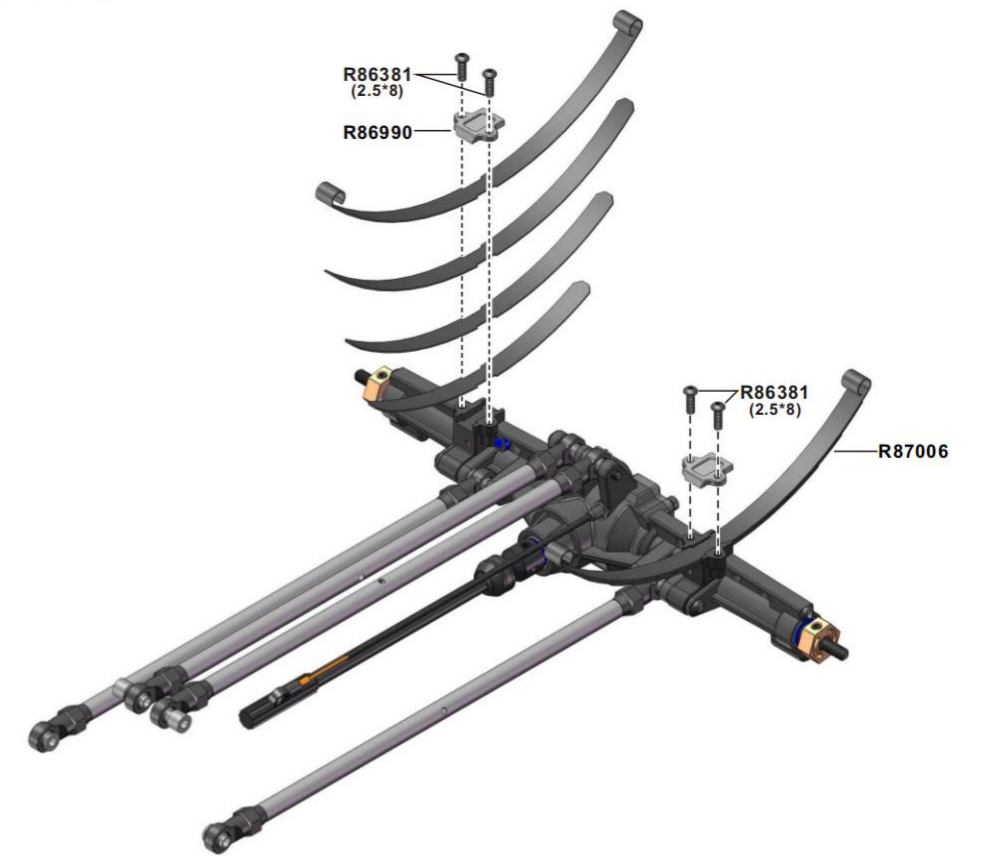
**Drive Axle Installation**



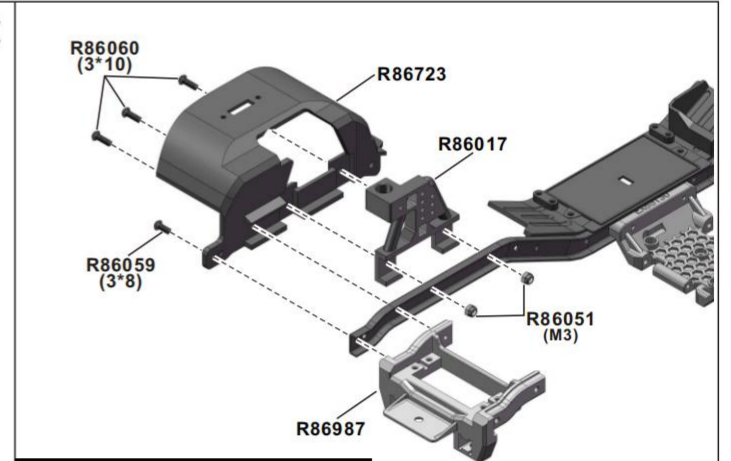
**Spring Plate Seat Installation**



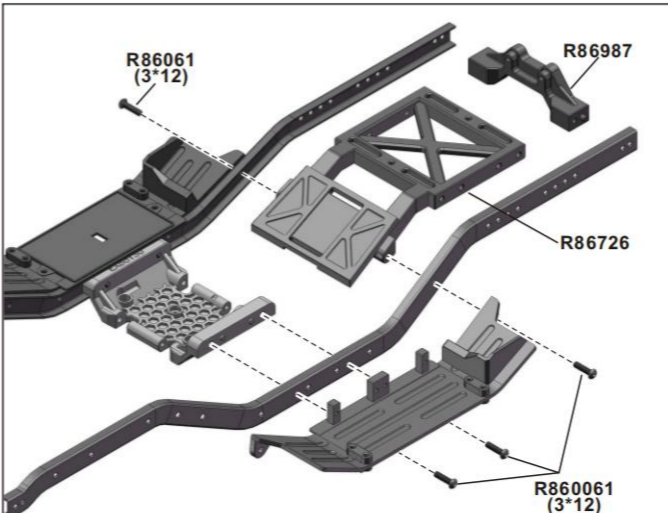
**Shock Steel Set Installation**



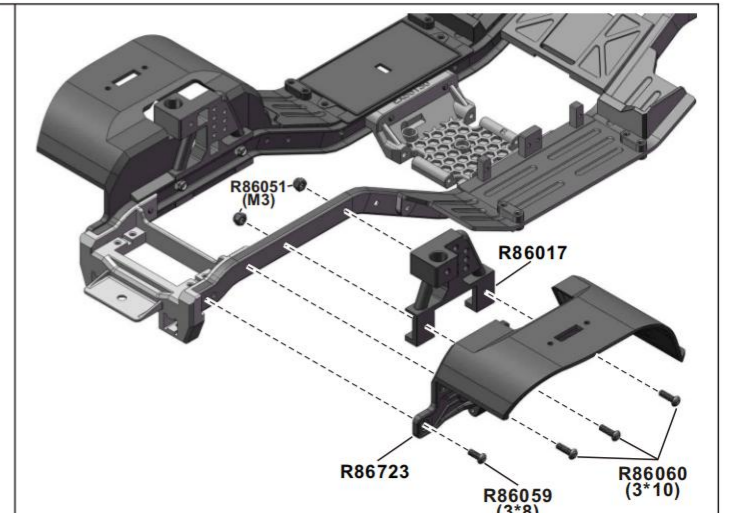
**Main Body (Center Right)**



**Main Body (Front Right)**

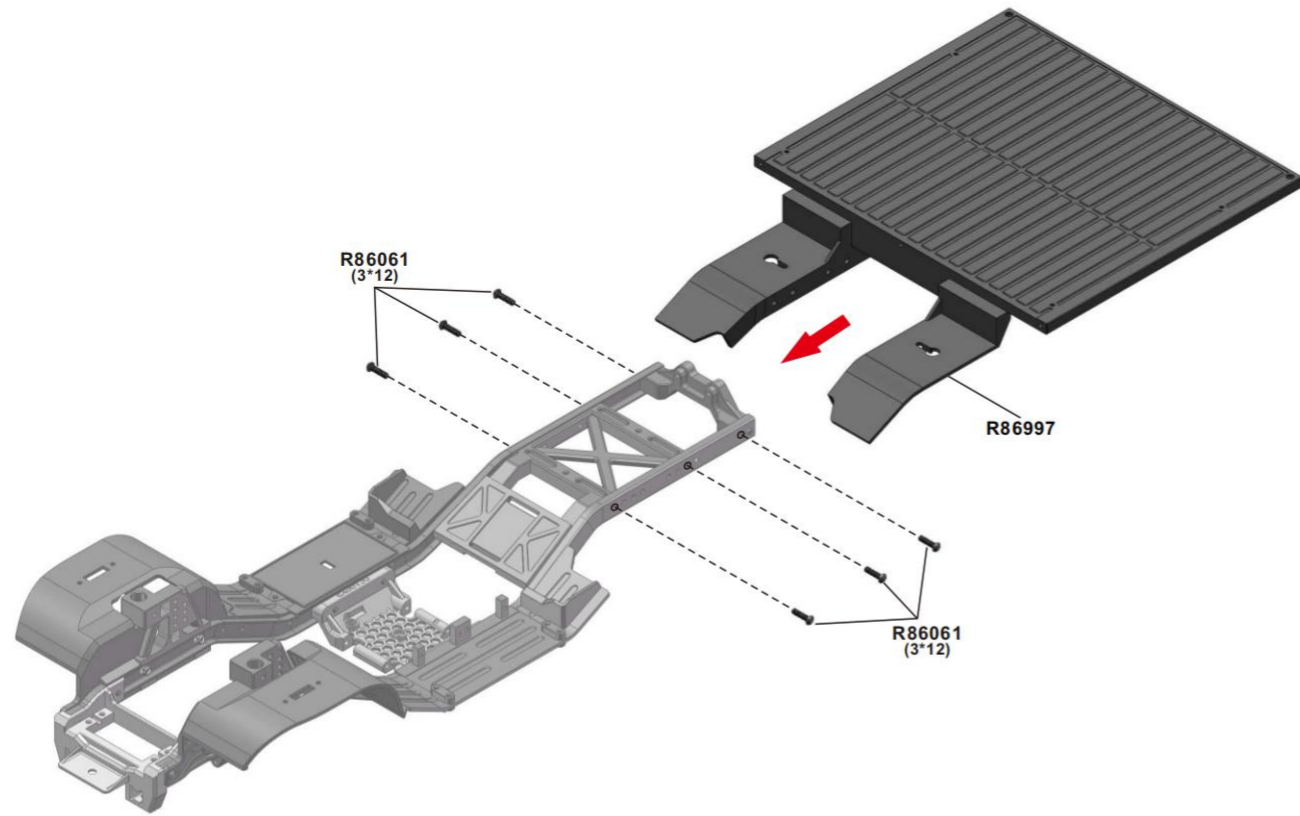


**Main Body (Center Left)**

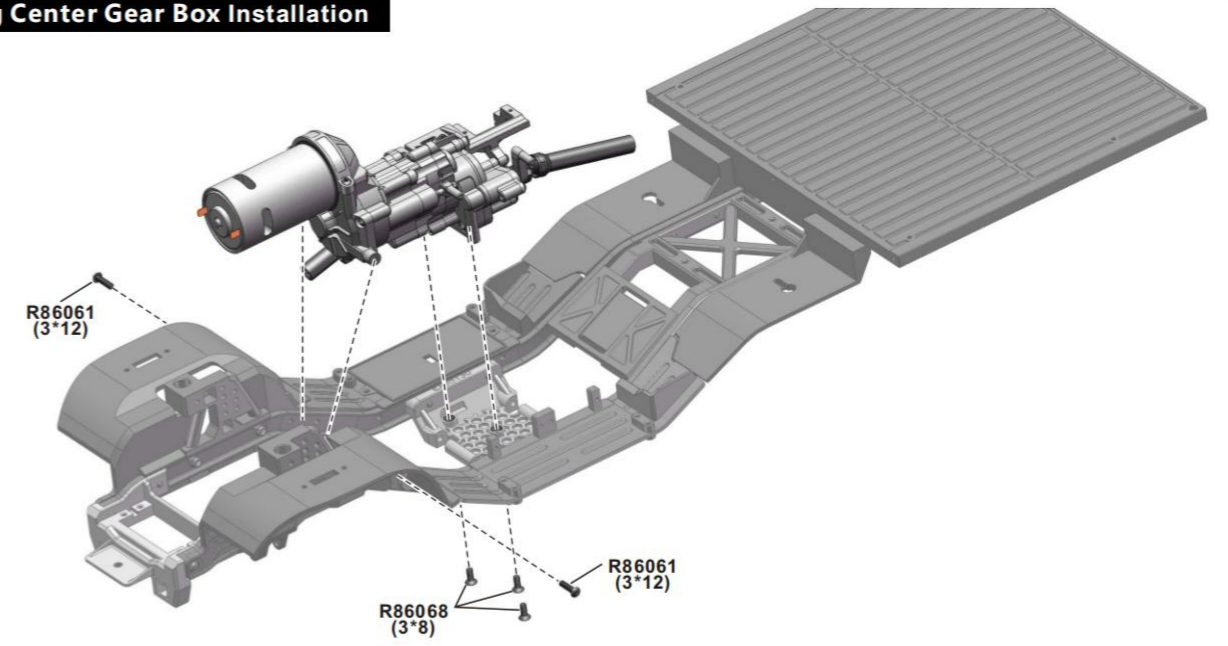


**Main Body (Front Left)**

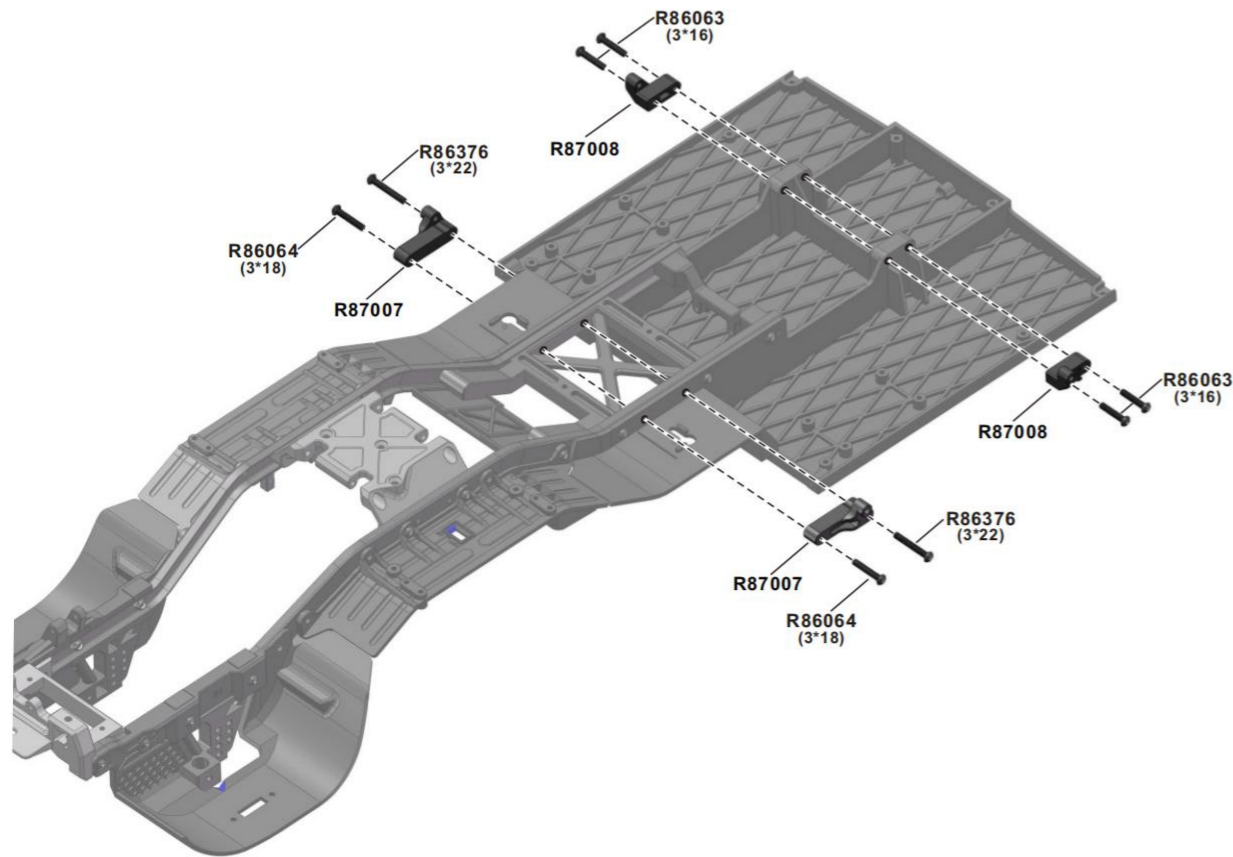
### Trailer Bed Installation



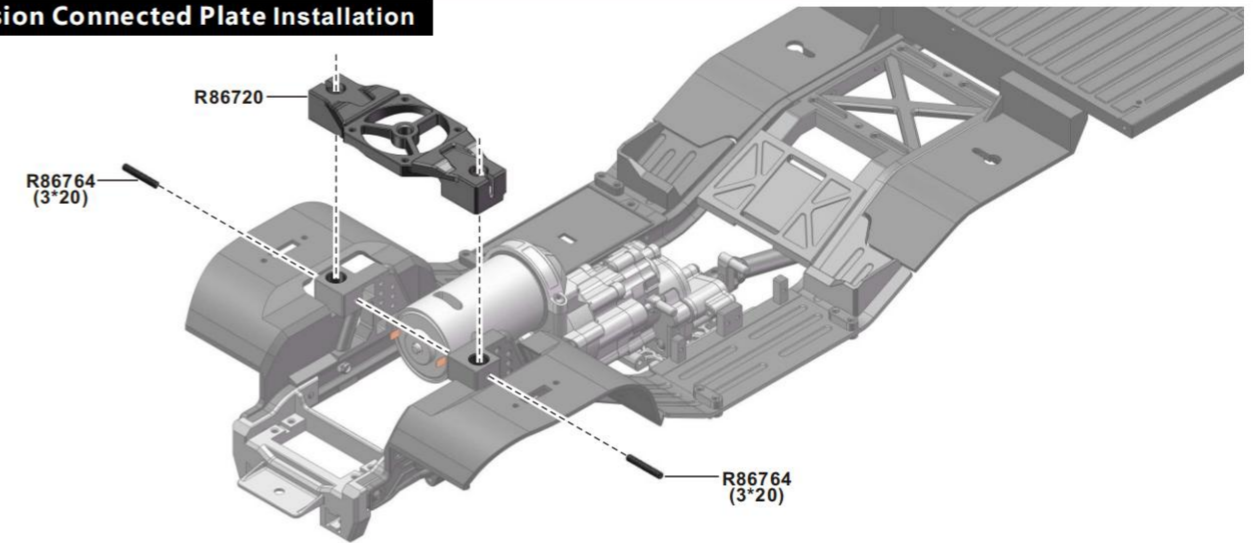
### Mounting Center Gear Box Installation



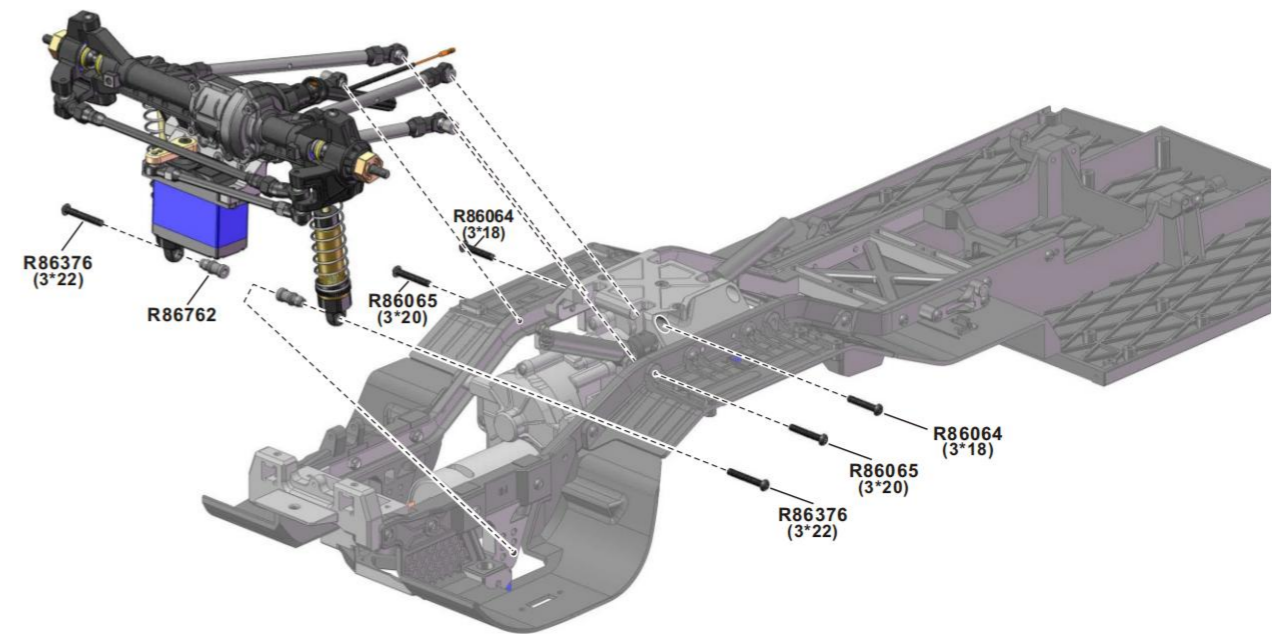
### F/R Shock Fixed Steel Mount Set Installation



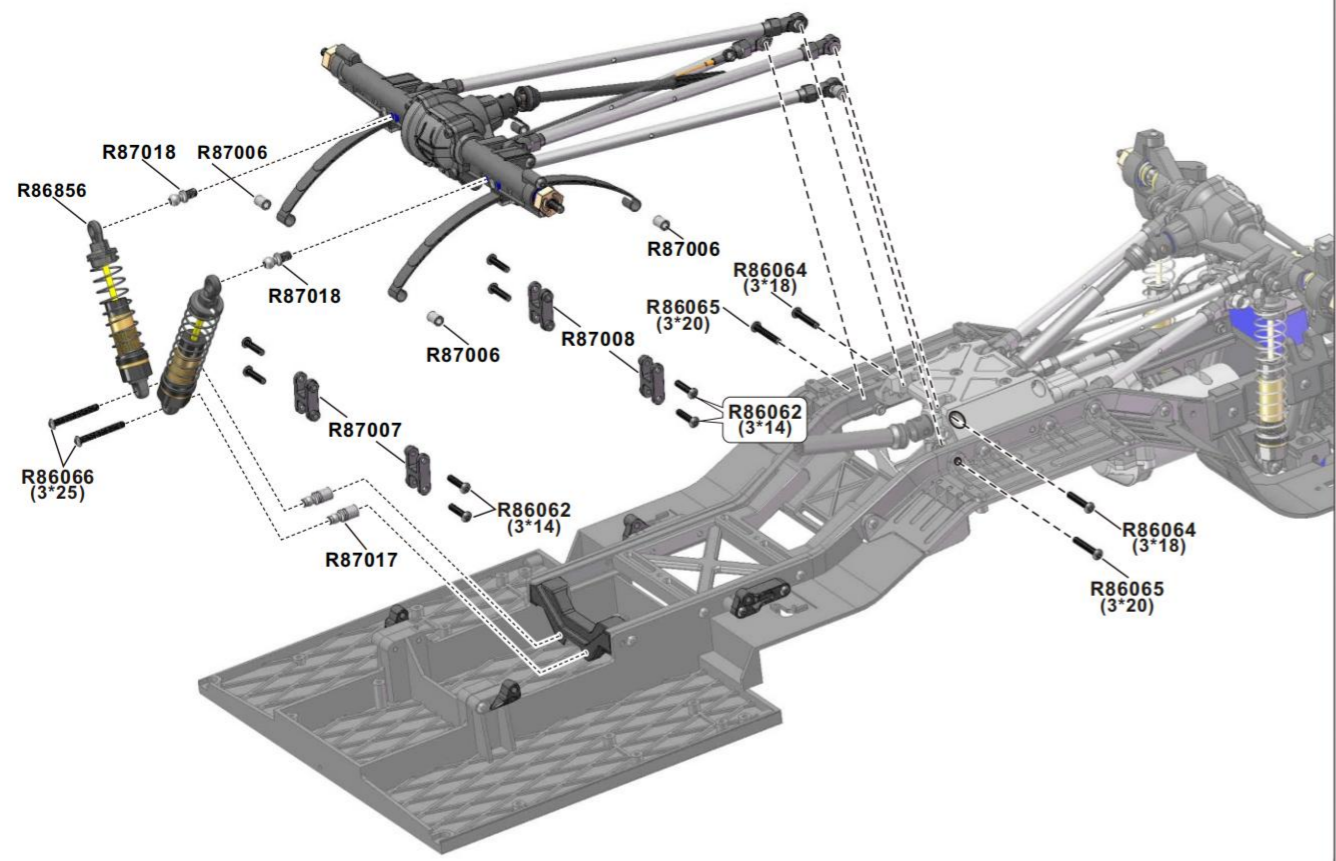
### Suspension Connected Plate Installation



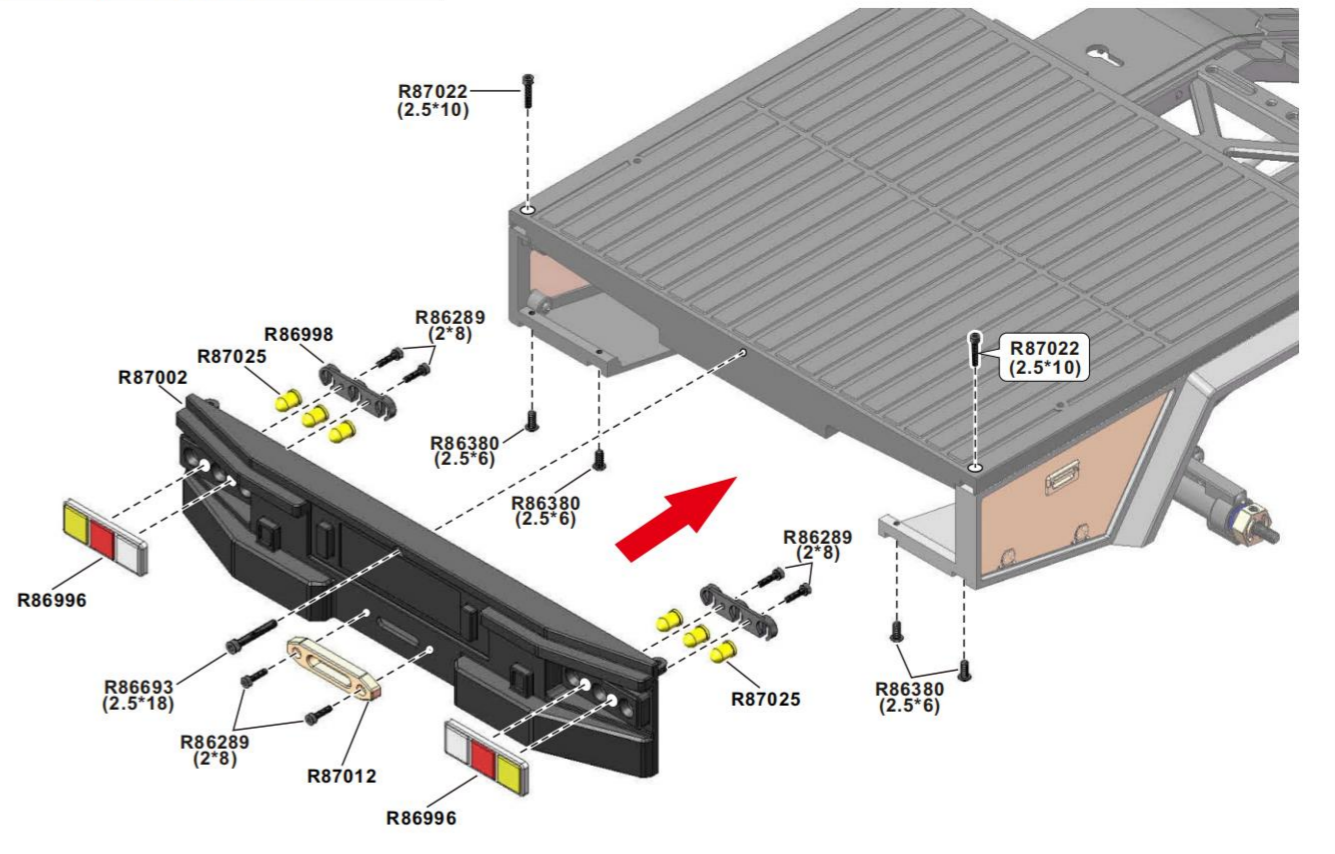
### Front Axle Complete Installation



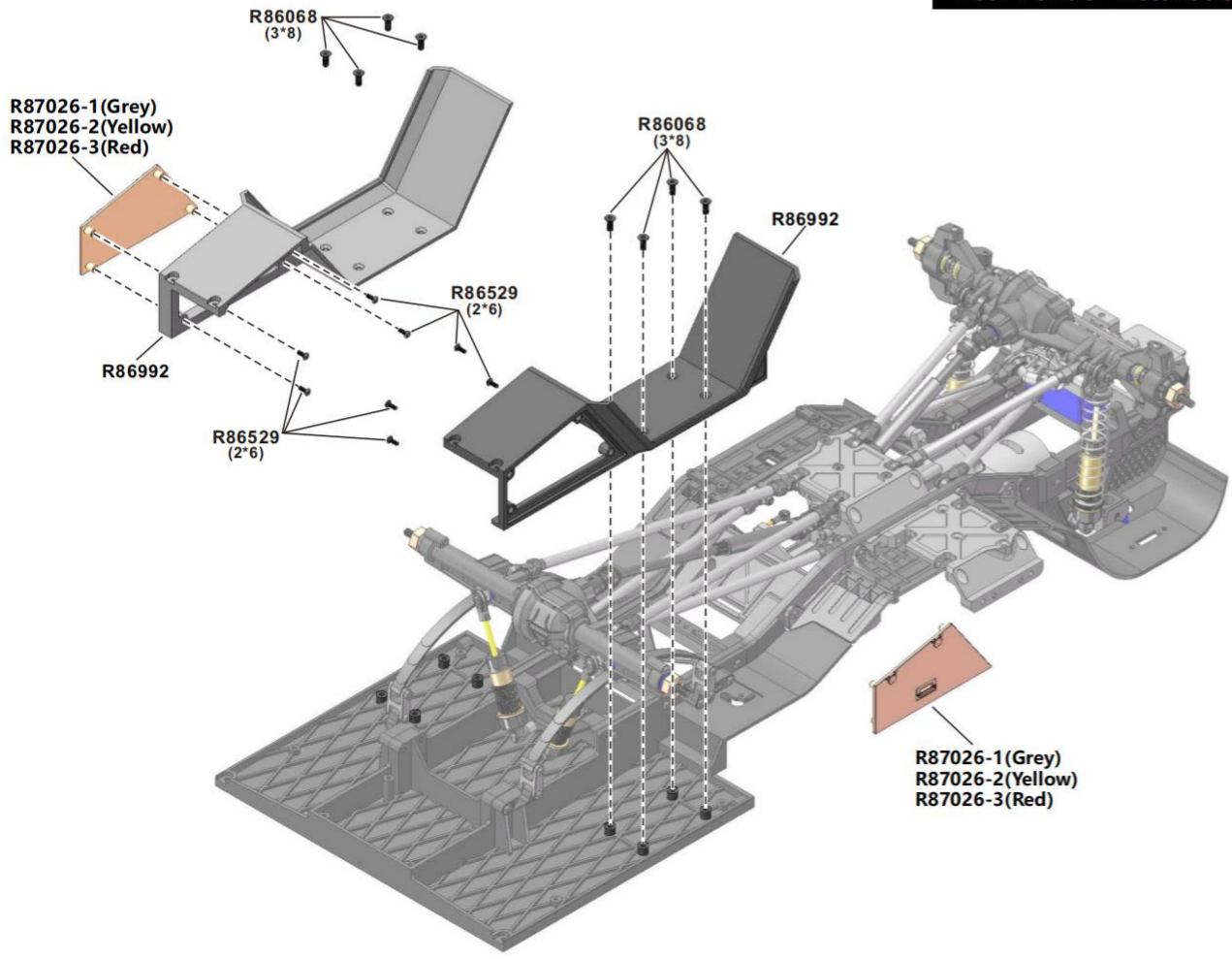
**Rear Axle Complete Installation**



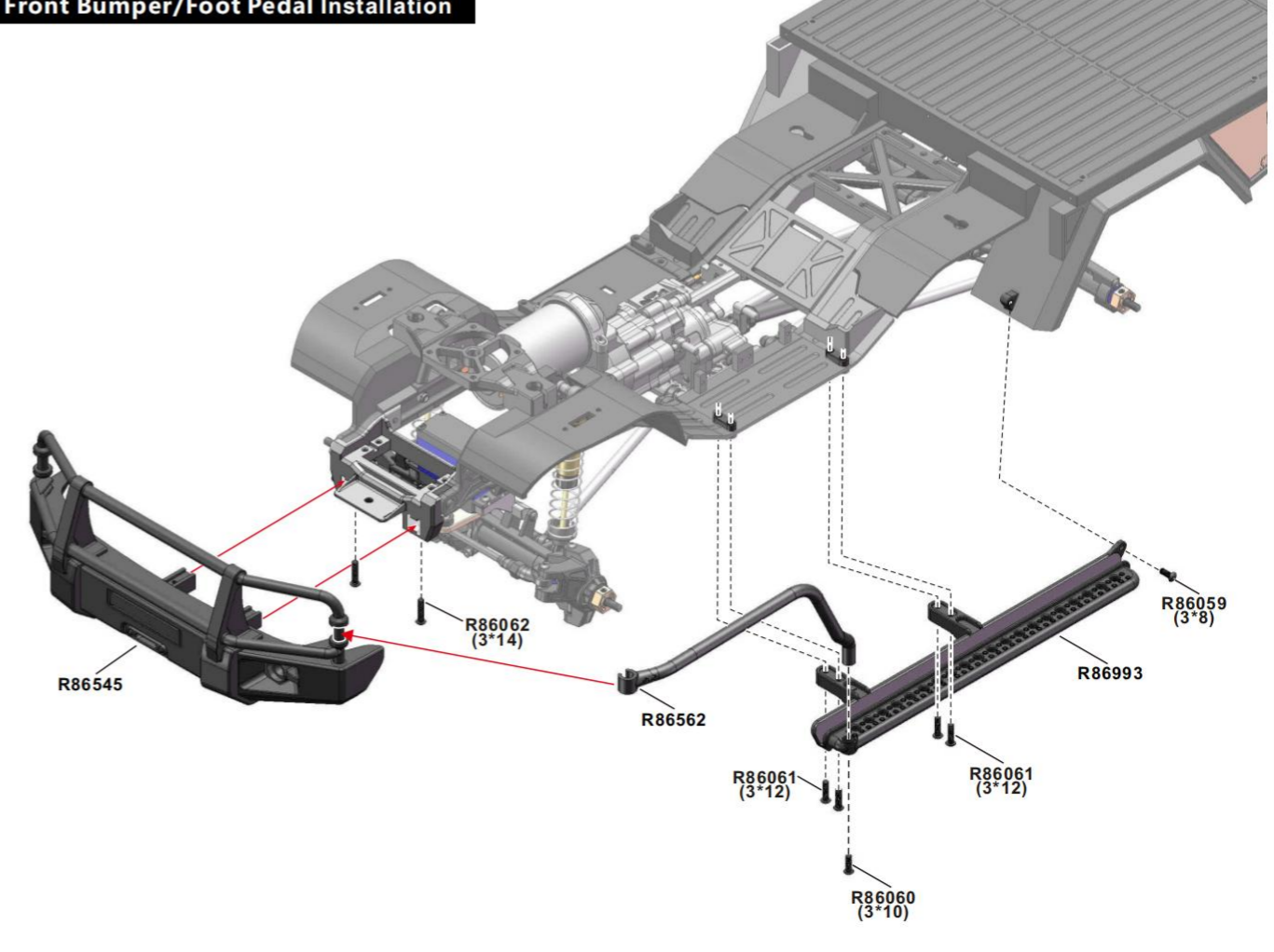
**Rear Bumper/Light Set Installation**



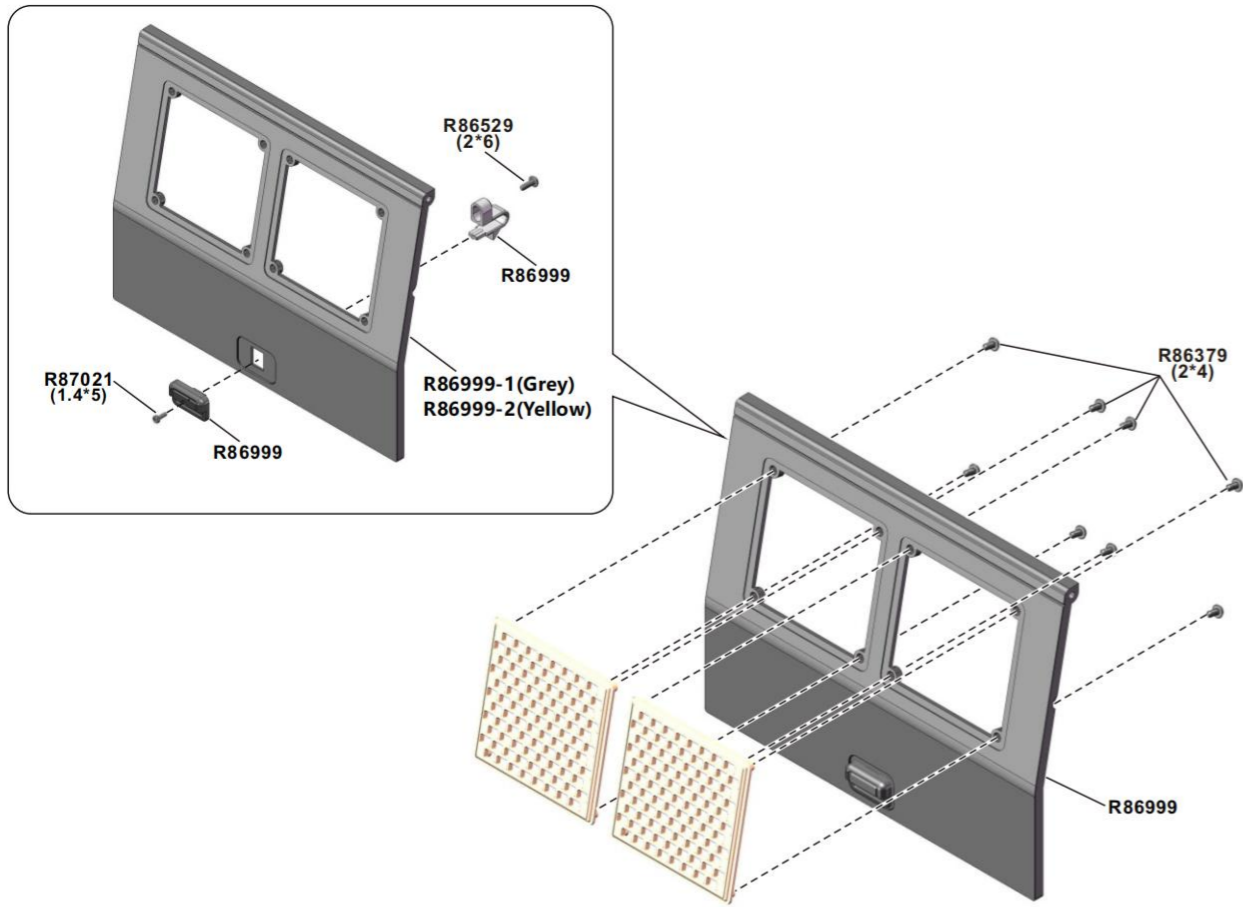
**Rear Fender Installation**



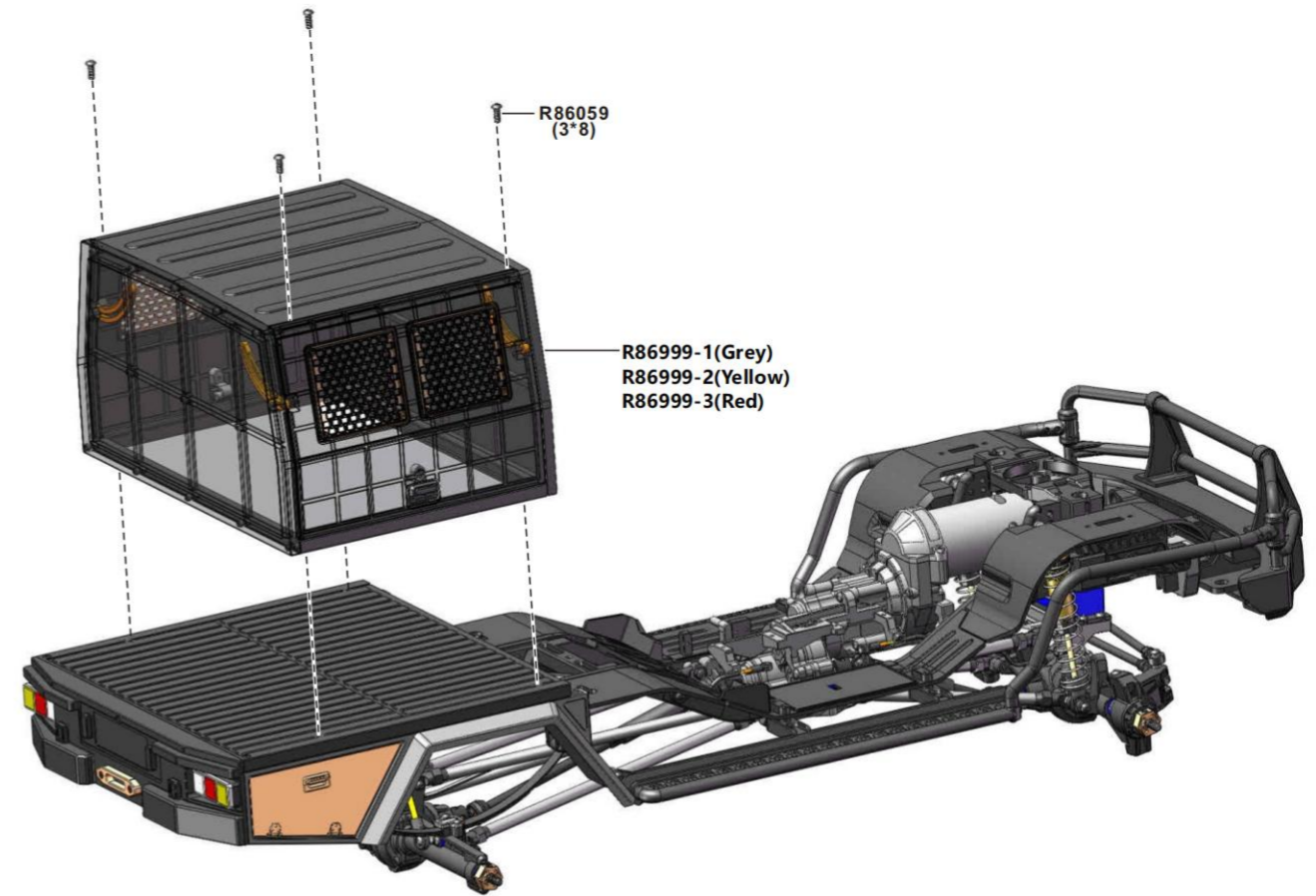
**Front Bumper/Foot Pedal Installation**



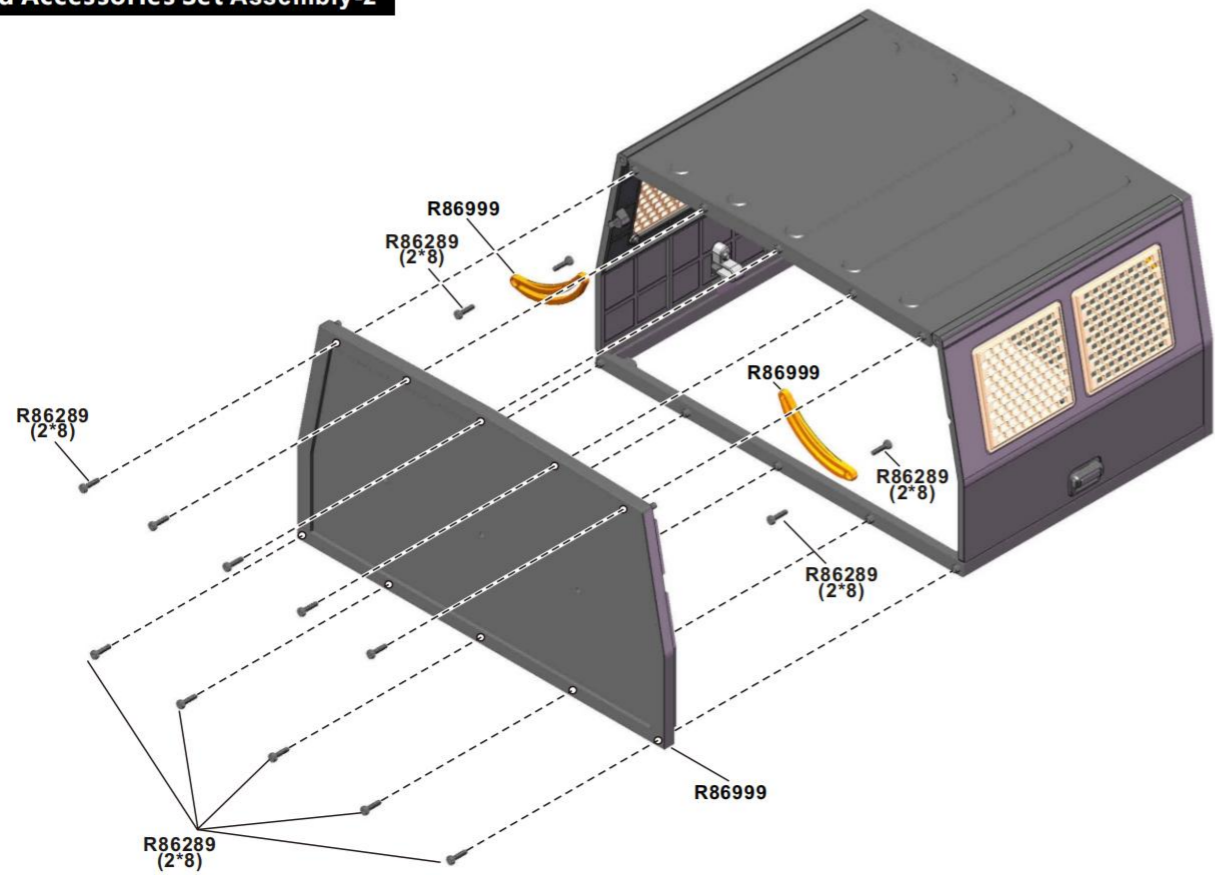
**Bed Accessories Set Assembly-1**



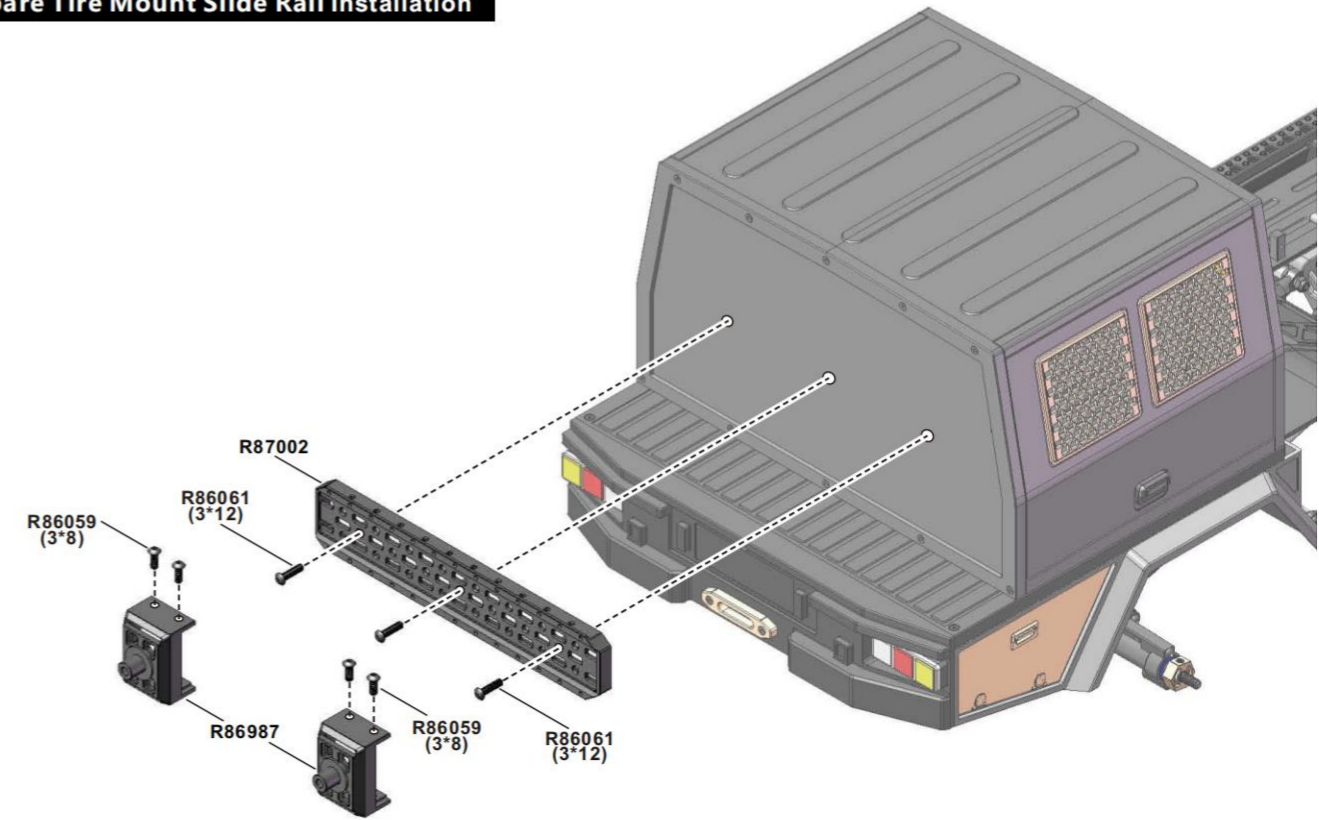
**Bed Accessories Set Installation**



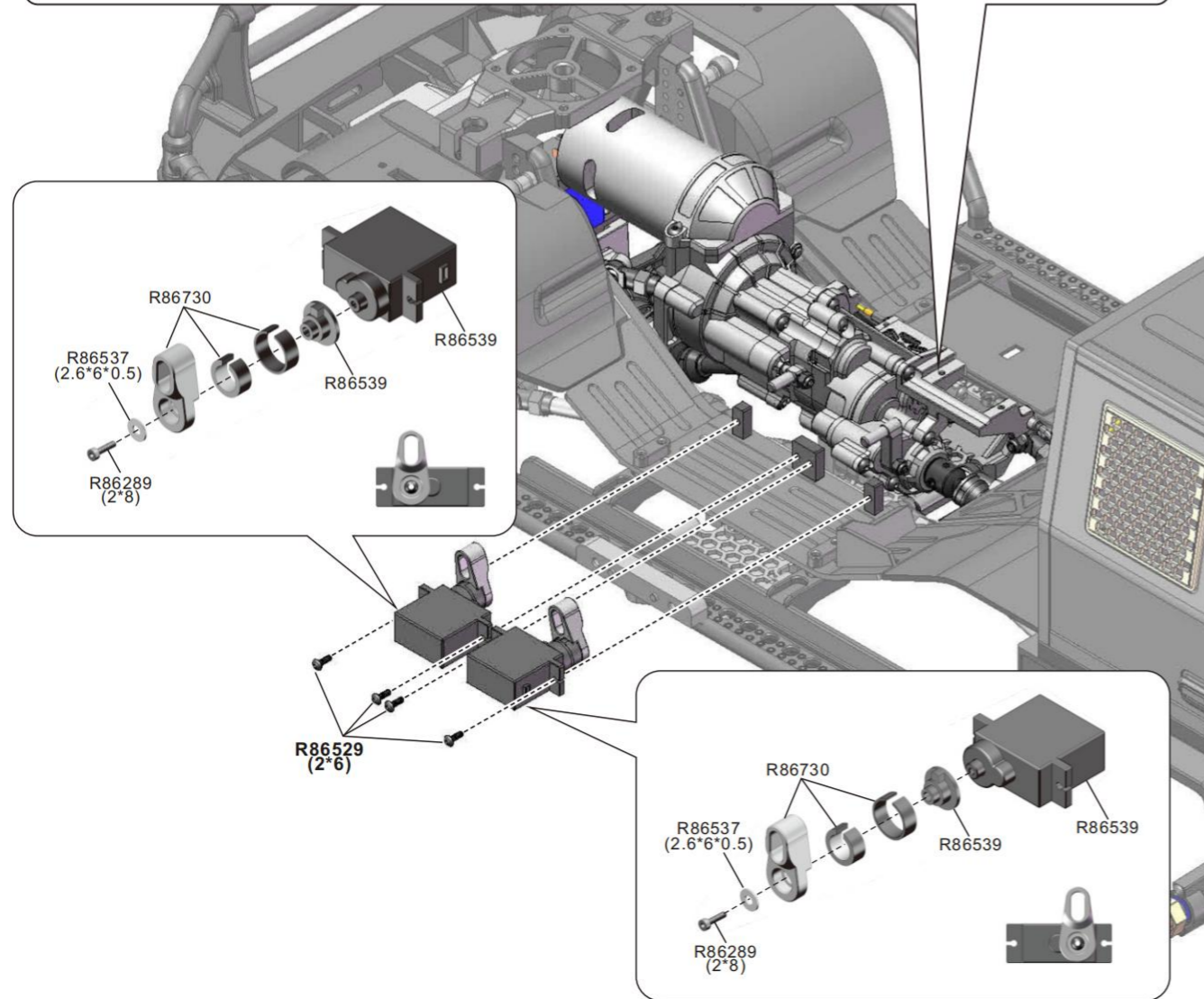
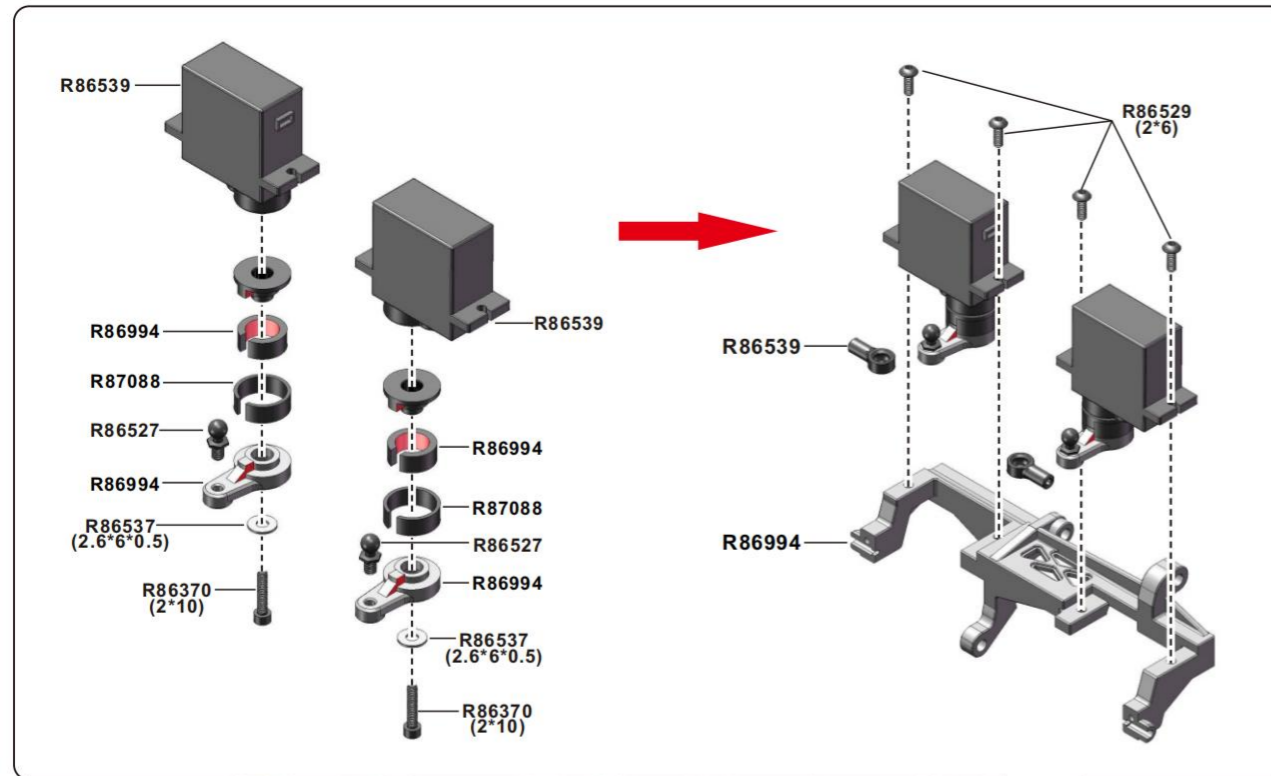
**Bed Accessories Set Assembly-2**



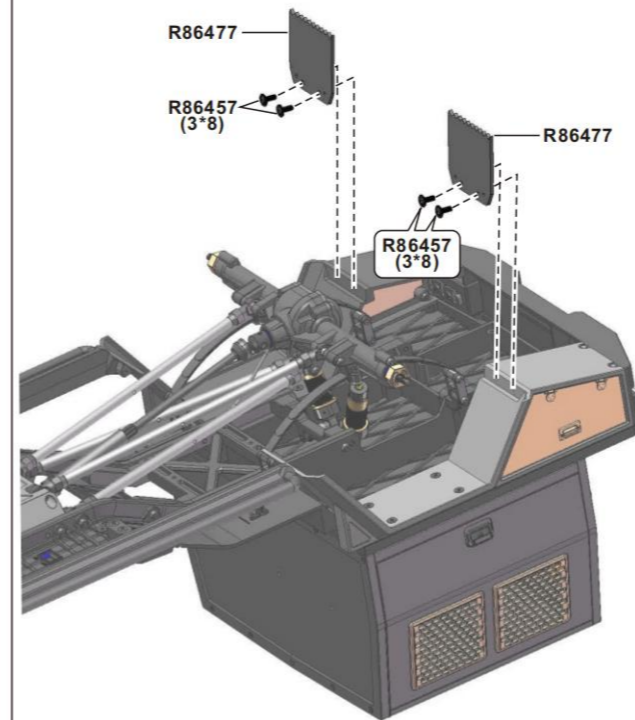
**Spare Tire Mount Slide Rail Installation**



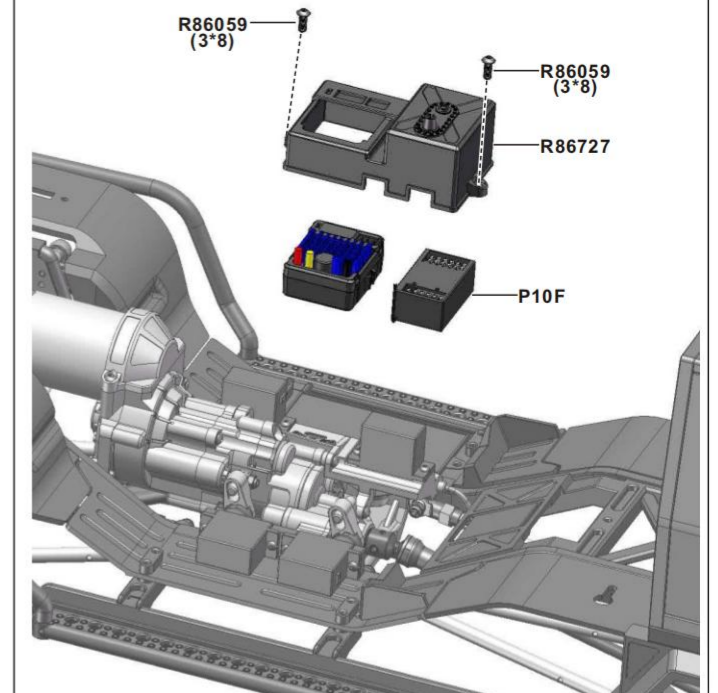
### Servo Installation



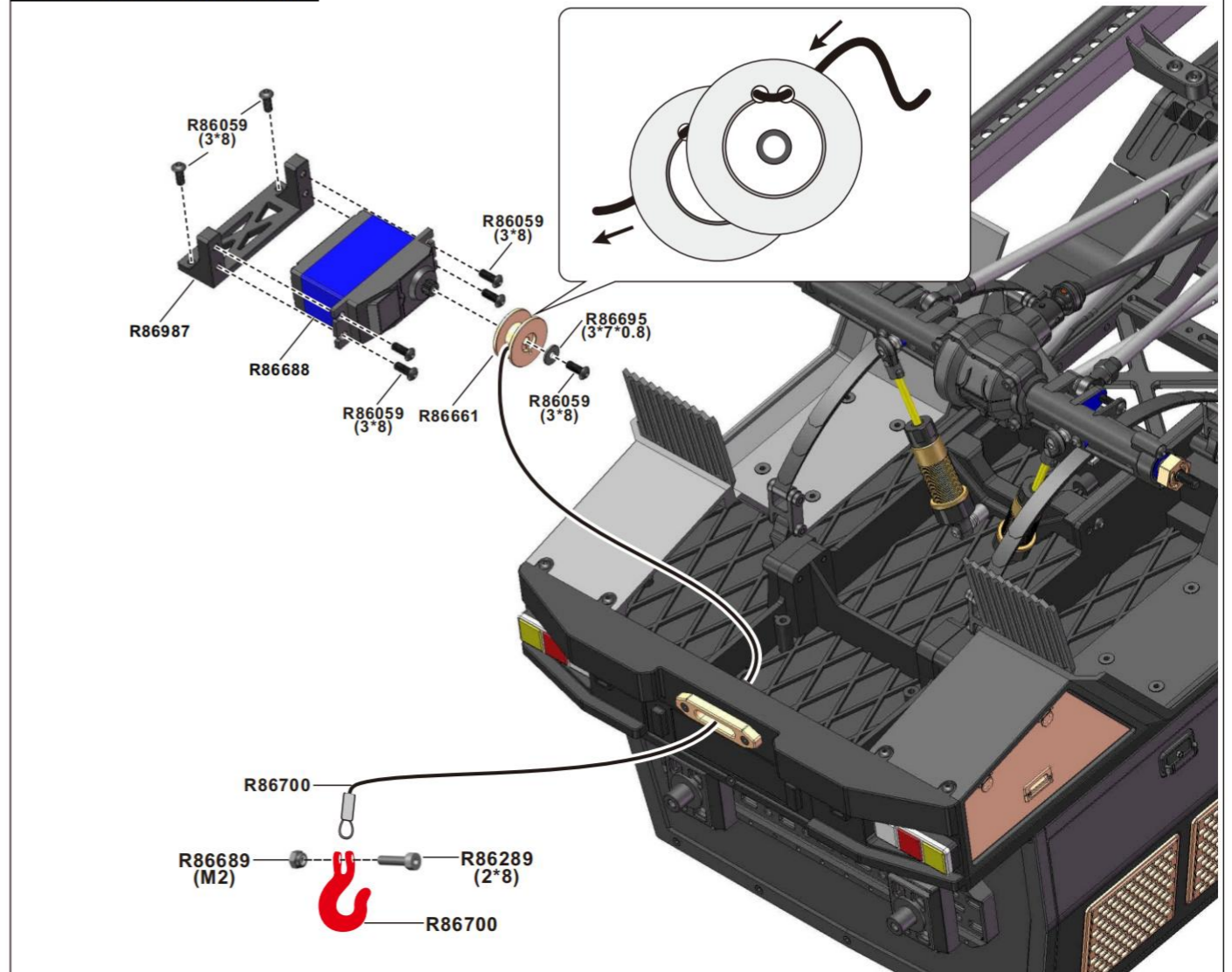
### Rear Fender Installation



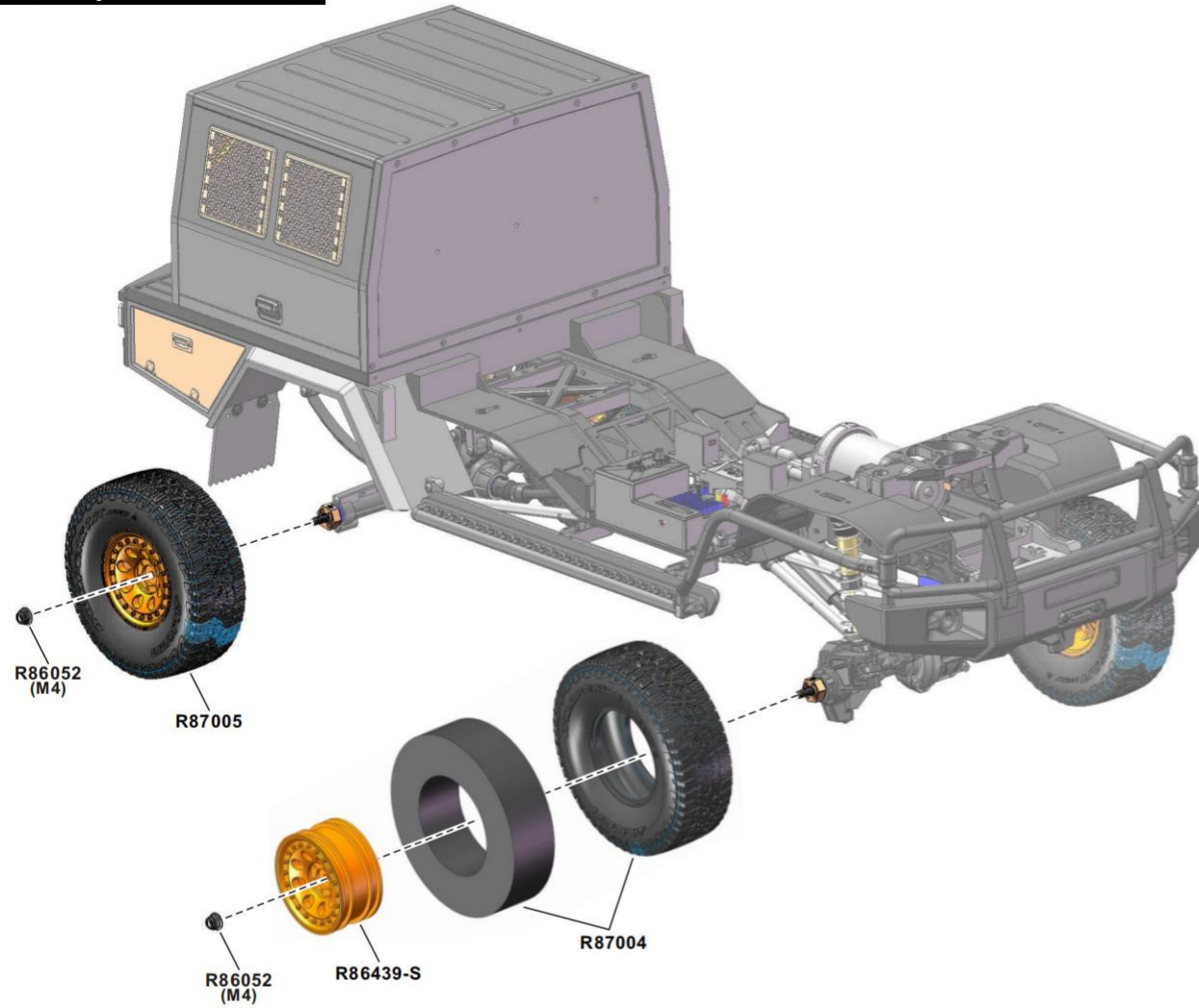
### ESC/Receiver Installation



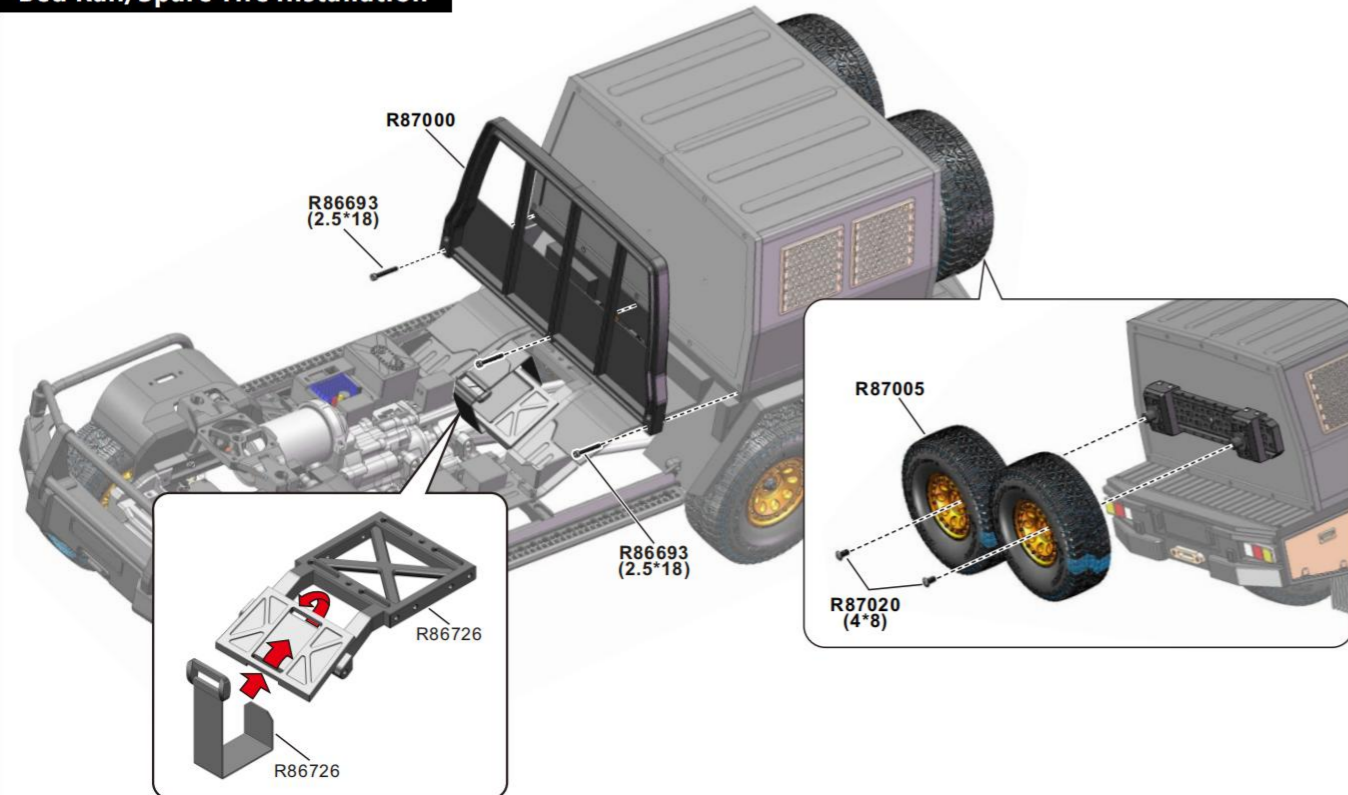
### Winch Servo Installation



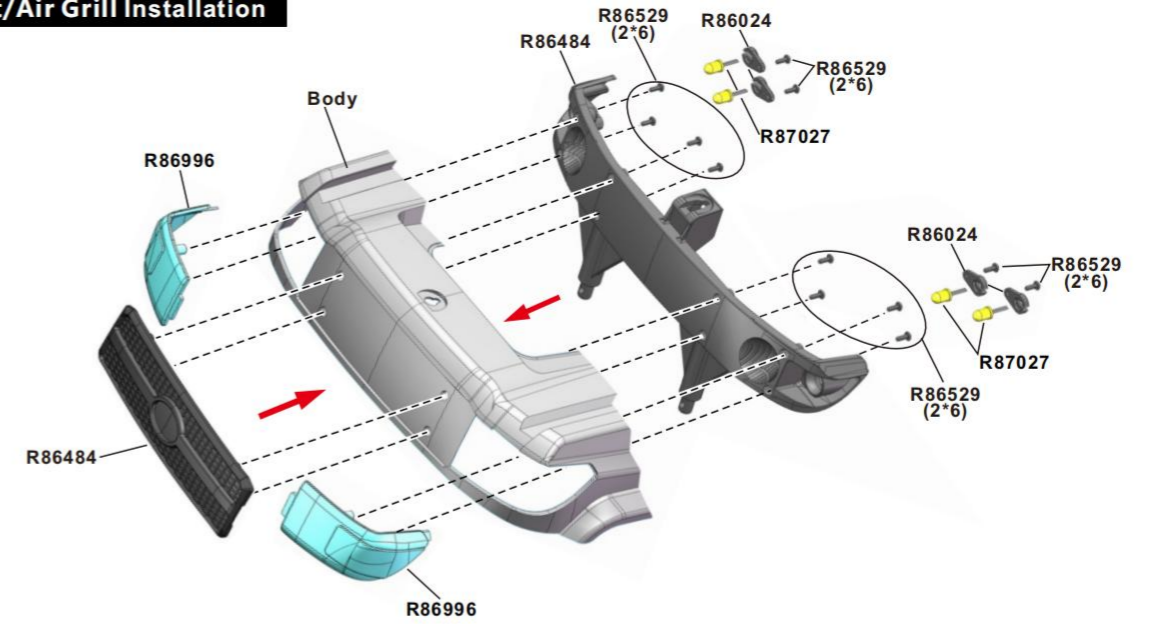
**Wheel Complete Installation**



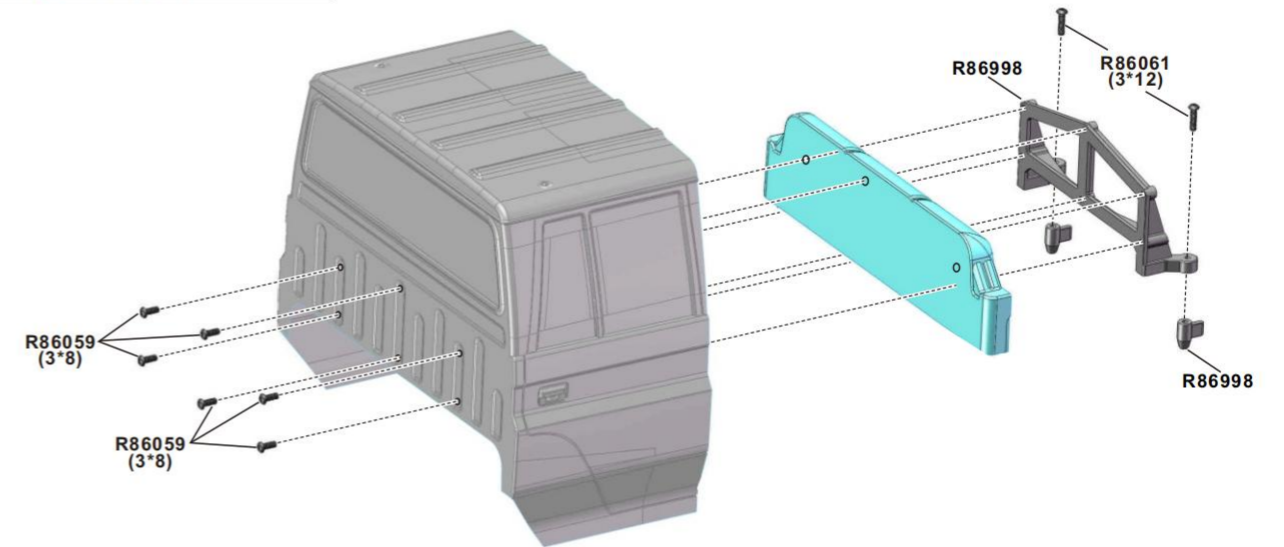
**Bed Rail/Spare Tire Installation**



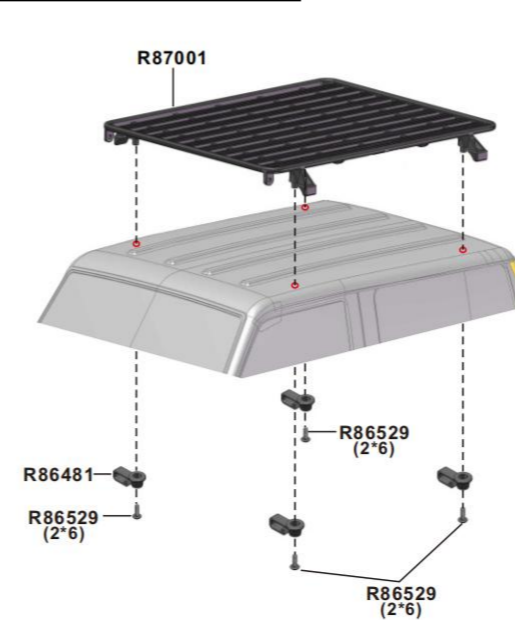
**Headlight/Air Grill Installation**



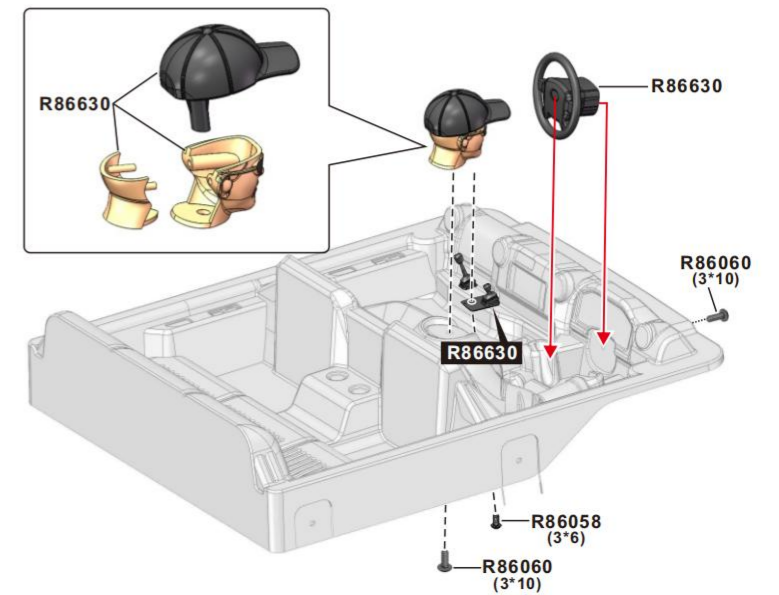
**Body Mount Installation**



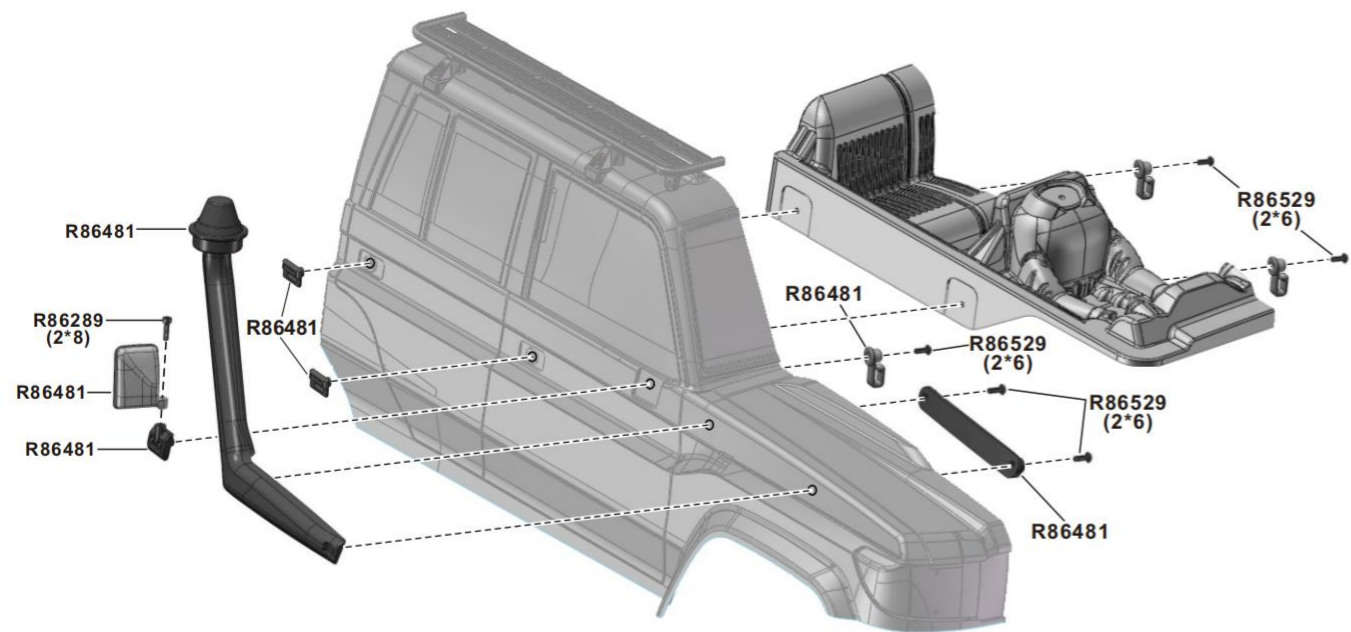
**Roof Rack Installation**



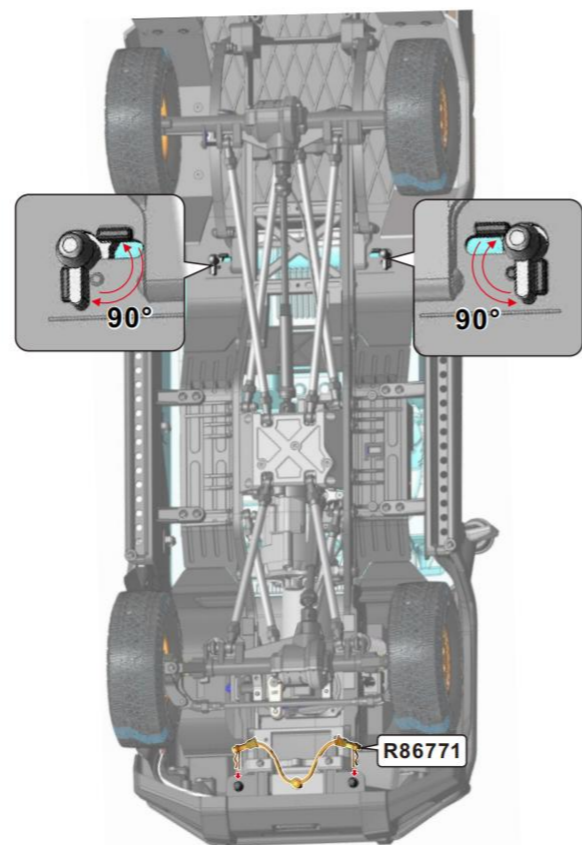
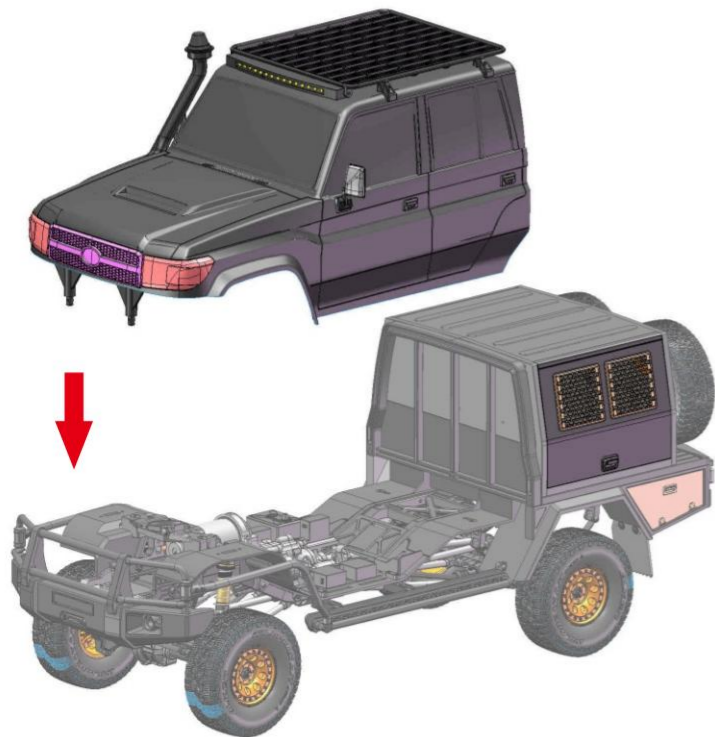
**Pre-Assembled Interior ornaments(R87003)**



**Body Decorations**






**Body Installation**



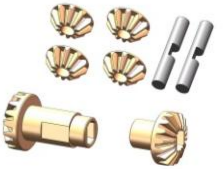

**Spare Part**


















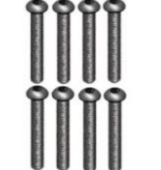
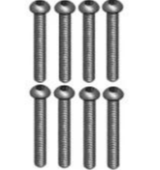
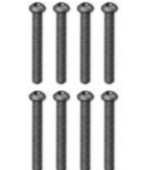















<b>R86545</b>  Front Bumper	<b>R86987</b>  Fixed Mount	<b>R86988</b>  Front Axle Box	<b>R86989</b>  Rear Axle Box
<b>R86719</b>  Steering Mount (L/R)	<b>R86720</b>  Suspension Connected Plate	<b>R86721</b>  Transmission Case Set	<b>R86722</b>  Transmission Case Set
<b>R86723</b>  Baffle A(L/R)(F/R)	<b>R86725</b>  Gearbox Plate	<b>R86017</b>  Body Plates(L/R)	<b>R86726</b>  Battery Mount
<b>R86727</b>  Receiver Mount	<b>R86990</b>  Spring Plate Seat	<b>R86991</b>  Baffle B(L/R)	<b>R86992</b>  Rear Fender
<b>R86993</b>  Foot Pedal(L/R)	<b>R86994</b>  Servo Mount Set	<b>R86730</b>  Dig Servo Parts	<b>R86562</b>  Front Wheel Fender Bar (L/R)
<b>R86474</b>  Link Ends	<b>R86708</b>  Shock Repair Kit (completed car)	<b>R86731</b>  Front Shock Absorbers	<b>R86856</b>  Rear Shock Absorbers
<b>R86469</b>  Lock Diff Button	<b>R86470</b>  Differential Box	<b>R86481</b>  Body Assembled Part	<b>R86484</b>  Air Grill / Lamp-Socket(Front)
<b>R86996</b>  Lenses Kit	<b>R86997</b>  Trailer Bed		

**Spare Part**




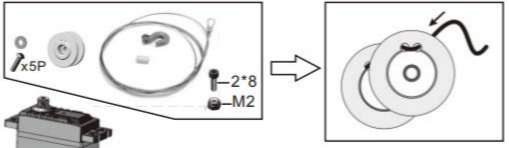

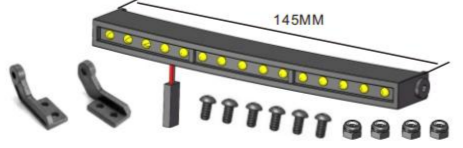
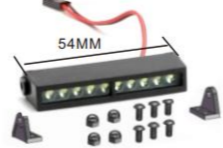










<b>R86998</b>  Bed Fixed Mount	<b>Bed Accessories Set</b> R86999-1 (Grey) R86999-2 (Yellow) R86999-3 (Red) 	<b>Real Fender Plate</b> R87026-1 (Grey) R87026-2 (Yellow) R87026-3 (Red) 	<b>R87000</b>  Bed Rail
<b>R87001</b>  Roof Rack	<b>R87002</b>  Rear Bumper + Spare Tire Mount Slide Rail	<b>R86477</b>  Rear Fender	<b>R86630</b>  Interior Plastic Parts
<b>R87003</b>  Pre-Assembled Interior ornaments	<b>R87004</b>  Tire W/Foam	<b>R86439-S</b>  Wheel Rim (Electroplated Silver)	<b>R87005</b>  Wheel Complete
<b>PC Body+Sticker</b> R87024-0G (Clear) R87024-0Y (Clear) R87024-1 (Grey) R87024-2 (Yellow) R87024-3 (Red) 	<b>Pre-Assembled PC Body</b> P86491-1 (Grey) P86491-2 (Yellow) P86491-3 (Red) 	<b>R87006</b>  Shock Steel Set	<b>R87007</b>  Shock Fixed Steel Mount Set(F)
<b>R87008</b>  Shock Fixed Steel Mount Set(R)	<b>R86743</b>  Chassis Rails	<b>R87009</b>  Front/Rear Lock Diff Line Rear 192mm Front 110mm	<b>R86744</b>  Servo link 52.5mm
<b>R86745</b>  Link 64mm	<b>R86746</b>  Link 86.5mm	<b>R86748</b>  Steering Link 105mm	<b>R87010</b>  Link 152.8mm
<b>R86749</b>  Link 156mm	<b>R86501</b>  Transmission Gear(9T)	<b>R86504</b>  Transmission Gear(17T)	<b>R86752</b>  Transmission Gear(13T)
<b>R86754</b>  Crown Gear (64T)	<b>R86675</b>  Gear(15T)	<b>R86501</b>  Transmission Gear(9T)	<b>R86504</b>  Transmission Gear(17T)

**Spare Part**

<b>R86676</b>  Gear(30T)	<b>R86677</b>  Gear(32T)	<b>R86498</b>  Diff Main Gear(40T)	<b>R86499</b>  Drive Gear(16T)	<b>R86500</b>  Diff Bevel Gear Set
<b>R86515</b>  Differential Lock	<b>R86506</b>  Transmission Slider	<b>R86507</b>  Gear Stick	<b>R86187</b>  Sping	<b>R86514</b>  Slipper Spacer/Plate
<b>R87012</b>  Winch Mount	<b>R87013</b>  Wheel Hex.(Steel)	<b>R87014</b>  Rear Drive Axle	<b>R87015</b>  CVD Drive shaft	<b>R86754</b>  Front Drive Axle
<b>R86680</b>  Gear Shaft	<b>R87028</b>  Rear Shaft	<b>R86681</b>  Transmission Axle	<b>R86682</b>  Torque limit shaft	<b>R86683</b>  Transmission Block Axle 32.2mm
<b>R86684</b>  Dig Block Axle 37.3mm	<b>R86685</b>  Dig Axle	<b>R86686</b>  Distributor Axle	<b>R86520</b>  Ball Bearing Ø15*Ø21*4 (plastic cover)	<b>R86522</b>  Ball Bearing Ø10*Ø15*4 (plastic cover)
<b>R86523</b>  Ball Bearing Ø7*Ø14*4 (plastic cover)	<b>R86524</b>  Ball Bearing Ø7*Ø11*3 (plastic cover)	<b>R87016</b>  Ball Bearing Ø5*Ø10*4 (plastic cover)	<b>R86525</b>  Ball Bearing Ø5*Ø11*4 (plastic cover)	<b>R86526</b>  Ball Bearing Ø4*Ø8*3 (plastic cover)
<b>R86048</b>  Ball Stand 5.9mm(Short)	<b>R86049</b>  Ball Stand 5.9mm(Long)	<b>R86762</b>  Shock Balls	<b>R86527</b>  Ball Stand Ø4mm	<b>R87017</b>  Ball Stand

Spare Part				
<b>R87018</b>  Ball Stand 5.8mm	<b>R86761</b>  Ball Stand 5.9mm	<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>R86529</b>  Button Head Self-tapping 2*6mm	<b>R86380</b>  Button Head 2.5*6mm	<b>R86381</b>  Button Head 2.5*8mm	<b>R86058</b>  Button Head 3*6mm
<b>R86059</b>  Button Head 3*8mm	<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>R86064</b>  Button Head 3*18mm	<b>R86065</b>  Button Head 3*20mm	<b>R86376</b>  Button Head 3*22mm	<b>R86066</b>  Button Head 3*25mm	<b>R86067</b>  Button Head 3*28mm
<b>R87020</b>  Button Head 4*8mm	<b>R86457</b>  Flange Head Screws 3*8mm	<b>R86072</b>  Flat Head 2.5*10mm	<b>R86340</b>  Flat Head 3*6mm	<b>R86068</b>  Flat Head 3*8mm
<b>R86596</b>  Flat Head 3*12mm	<b>R87021</b>  Cap Head 1.4*5mm	<b>R86289</b>  Cap Head 2*8mm	<b>R86370</b>  Cap Head 2*10mm	<b>R87022</b>  Cap Head 2.5*10mm
<b>R86693</b>  Cap Head 2.5*18mm	<b>R86530</b>  Step Screws 4*11.5mm	<b>R86053</b>  Crub Screw Bolt 3*3mm	<b>R86054</b>  Crub Screw Bolt 4*4mm	<b>R86764</b>  Crub Screw Bolt 3*20mm

Spare Part				
<b>R86045</b>  King Pin Bushing	<b>R86537</b>  Metal Washer(2.6*6*0.5)	<b>R86695</b>  Metal Washer(3*7*0.8)	<b>R86696</b>  Gasket(5.1*6.5*3)	<b>R86057</b>  Gasket(5.2*6.5*2)
<b>R86536</b>  Pin(2*10 / 2*11 / 2*12)	<b>R86706</b>  Pin(2*10 / 2*7.5 / 2*12)	<b>R86535</b>  E-Clips(2.5mm / 4mm)	<b>R86594</b>  E-Clips(2.3mm / 4mm)	<b>R86024</b>  Light Clip
<b>R86771</b>  Body Clip Mount	<b>R86541</b>  Servo Horn(25T)	<b>R86705</b>  Pinion Gear(21T)	<b>R86539</b>  Dig Servo 9G /7.4V	<b>R86688</b>  Winch Servo 25KG(360°)
<b>R86899</b>  Steering Servo 30KG	<b>R86697</b>  Motor-550/6235	<b>R86338</b>  ESC -60A	<b>R86701</b>  Pipe	<b>R86661</b>  Winch Spool
<b>R86700</b>  Alloy Wire Clip Steel Wire+Wire Hook	<b>R87023</b>  Radio/Rexiever	<b>GS16-X10EA</b>  Radio	<b>P10F</b>  Rexiever	<b>PPM</b>  Light Controller Box
<b>R87027</b>  Front Light Set	<b>R87025</b>  Rear Light Set	<b>R87088</b>  steering spring plate		

Upgradable Optionals				
<b>R86571</b>  Crawler Battery (7.4V6200mAh/Plug:T)	<b>R86770</b>  9g/7.4v servo with metal gear	<b>R86787</b>  Fusion Brushless System 2-in-1(1800KV)	<b>R86795</b>  Winch Servo 25KG(360° ) Kit	
<b>R86900</b>  ESC -80A	<b>P860077</b>  Adjustable LED Lamp		<b>P860079</b>  Adjustable LED Lamp	<b>P860091</b>  (COPPER) (installed on real axling housing) Front Gear Box Lid
<b>P860092</b>  (COPPER) (installed on front axling housing) Rear Gear Box Lid	<b>P860125</b>  (COPPER) Rear Axle L/R Housing Weight Set 80g	<b>P860126</b>  (COPPER) Steering Mount L/R Housing Weight Set 108g	<b>P860128</b>  (COPPER) Steering Mount L/R Housing Weight Set 45. 5g	<b>P860102</b>  Hood Switch
<b>P860124</b>  Gearbox Plate(AL.)	<b>P860122</b>  Motor Mount(AL.)	<b>P860143</b>  (AL.) (COPPER) Front Upper Link mount and Servo Mount		<b>P860144</b>  Constant Velocity Gearbox



## PRODUCT QUALIFICATION CERTIFICATION

Remote control models are specialized and high-value products. If you identify any quality defects upon receipt, please do not use the product and contact the seller immediately to arrange a replacement or return. Please note that we cannot provide any after-sales guarantee for damages which are caused by improper use.

**The product conforms to technical requirements of export safety regulations.**

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Production Date: refer to packing instruction