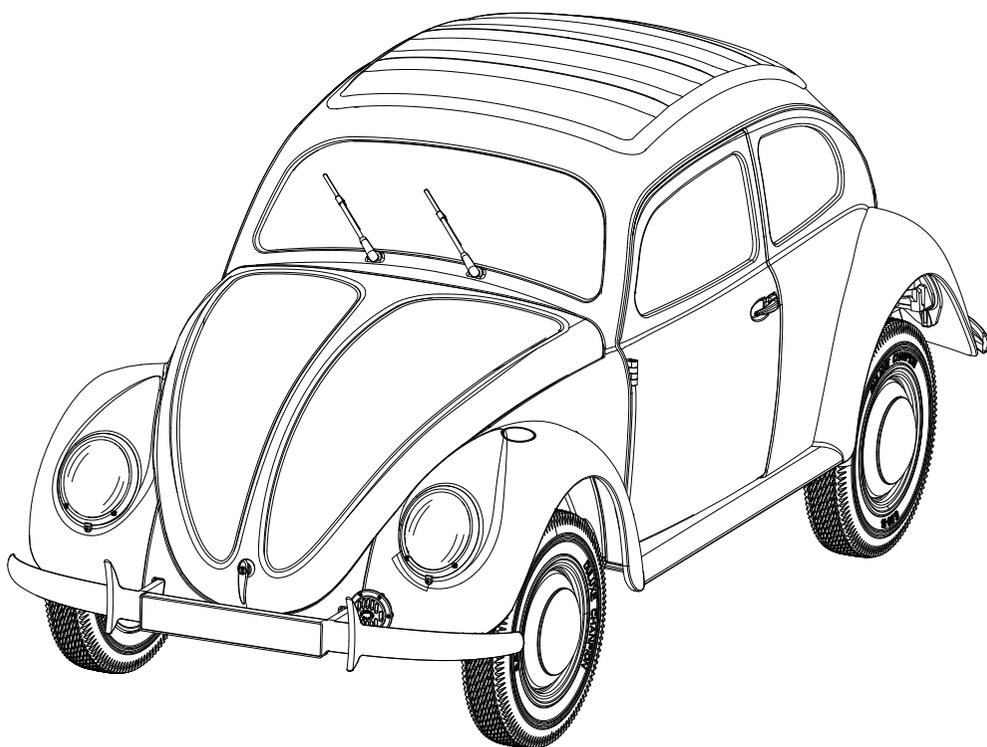


RO HOBBY

1/12 THE PEOPLE'S CAR



Instruction Manual
操作手册

SAFETY PRECAUTIONS

Introduction

Thank you for purchasing our products.

This manual is written to assist you in properly operating, maintaining and repairing the vehicle. As many of the components used are unique to this product, please retain this manual as a future reference. Composed of precision-made components, this product is not a toy, thus it is not suited for children under 14 years of age. Minors should be accompanied by an adult when operating. Failure to operate or maintain this product in a safe manner can result in bodily harm. It is the owner responsibility to operate this product in a safe manner. ROCHOBBY and its distributors are not responsible in any way for any and all bodily harm and/ or property damage that may result from the use of this product.

Safety, precautions and warnings

- Replace damaged components with original factory-parts.
- Pay special attention to the polarity of all vehicle wiring.
- Use common sense when selecting the environment to operate your vehicle. Do not operate near power cables, cellular/radio towers, deep water or unstable terrain. The operator is solely responsible for their actions.
- The product is composed of precision electrical components. It is critical to keep the product away from moisture and other contaminants.
- Always check the radio range of the vehicle prior to operation in order to prevent radio loss or interference.
- Operate this product within your ability. If the vehicle is dangerous to retrieve, it never worth the risk.
- 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 this order is reversed, the model may become uncontrollable and cause serious damage.
- Never allow transmitter batteries to run low as it may cause loss of vehicle control.
- Plastics on the vehicle are 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.

CE compliance information for the european union

The associated regulatory agencies of the following countries recognize the noted certifications for this product as authorized for sale and use.

UK	DE	DK	BG	SE	GZ	ES	NL	SK	HU	RO	FR	PT	BE
FI	EE	LV	LT	PL	AT	CY	SI	GR	MT	IT	IE	LU	

Declaration of Conformity
 Products: 2.4GHz Controller
 Equipment Class: 2
 The objects of declaration described above are in conformity with the requirements of the specifications listed below.

Item Name : 2.4GHz Controller
 The RED Directive 2014/53/EU
 EN 60950-1:2006 + A11:2009 + A1:2010
 + A12:2011 + A2:2013
 EN 300 328 V2.2.2 (2019-07)
 EN 301 489-1 V2.1.1:2017
 EN 301 489-17 V3.1.1:2017

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 14 years old. Contains small parts, keep out of reach of children 3 years of age and younger.



MADE IN CHINA

Certification

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1.Reorient or relocate the receiving antenna.
- 2.Increase the separation between the equipment and receiver.
- 3.Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4.Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.



FCC ID: N4ZR4A10

RADIO SYSTEM

Safety symbols

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

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

Safety guide



Prohibited



Mandatory



- Do not use the product at night or in bad weather like rain or thunderstorm. It can cause erratic operation or loss of control.

- Do not use the product when visibility is limited.

- 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.

- Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:

1. Near any site where other radio control activity may occur
2. Near power lines or communication broadcasting antennas
3. Near people or roads
4. On any body of water when passenger boats are present

- 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.

- 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.

- 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.



- 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.

- Make sure the product is properly installed in your model. Failure to do so may result in serious injury.

- Make sure to disconnect the receiver battery before turning off the transmitter. Failure to do so may lead to unintended operation and cause an accident.

- Ensure that all servo operate in the correct direction. If not, adjust the direction first.

- Make sure the model stays within the systems maximum range to prevent loss of control.

PRODUCT INTRODUCTION

Background

The history of common folk owning cars is not very long. This 'weird' but efficient vehicle was a luxury only for the very rich, until the advent of mass-produced cars. These days, countries all over the world have popular affordable cars for the people. Although the original intentions of research and development vary, their common concepts are compactness, convenience and multi-functionality.

Dr. Ferdinand Porsche, the founder of the Porsche Car company, was a genius designer whose design ideas have influenced many today. He has designed the Beetle, the Elephant heavy tank destroyer, the Type82 Kübelwagen, the Type166 Schwimmwagen and Lohner-Porsche Mixed Hybrid, the world's first car powered by hub-mounted motors in the wheel. While Ferdinand Porsche was designing, Adolf Hitler was waging war across Europe and plunging the World into chaos. The fates of these two Austrians were intertwined in the 1930s, when Hitler made two promises to the German people after his election as head of the Third Reich: one was to have steak on dinner; the other was to have a car for every German family. The car had a very specific requirement, being able to carry 2 adults and 3 children at the same time, i.e. a standard German family, and travel at a speed of up to 100km/h, while selling for no more than 1000 Reichsmark.

In fact, during the whole war, none of this people's cars was sold to the people, they were all being requisitioned by the army and converted into military vehicles, the most famous of which is the Kübelwagen (Released in Nov, 2021, Product No. 11241). We feel honored if you already own it in your RC collection. If not, this car could be a great start to realistic scale RC models. The post-war civilian version was the Beetle, which later became world-famous.

About Model

We start with engine. The Boxer air-cooled engine serves as the core of the car, an engine used in several later generations of classic cars and lasted 65 years in the Beetle, a saga that came to an end when the last Beetle, number 21,529,464, rolled off the production line in Puebla, Mexico, on July 30, 2003. Initially the Type82 used a 985cc engine, later upgraded to 1131cc, then gradually increased displacement, and in the Porsche 356 used a 1488cc engine, doubling the horsepower from the very beginning. The cylinders of the horizontally opposed engine are distributed on both sides, a 130 motor in the right cylinder position, and another 130 motor reserved for the left side, which can output twice as much power when applied to the VW T1 or Porsche356 platform. The engine crankshaft flywheel is connected by a belt to drive the generator and the cooling fan as well. The semi-circular fan fairing is a major feature, in which the airflow is distributed to the cylinders on both sides. All is faithfully restored on the model, meaning you can observe the blades rotating through the fan intake when the motor is running. The Kübelwagen has 4 forward gears and the maximum speed of each gear respectively goes as 1st gear 18.4km/h; 2nd gear 32.4km/h; 3rd gear 54.2km/h; 4th gear 83.6km/h. The corresponding red line of gearshift tips is available on the dashboard. On the model, we designed a 2-speed shift to simulate the speed of the 1st and 3rd gears of the real car. The power crosses over from the top of the rear axle differential and then returns to the rear axle. The model shares the same structure as the real engine, with the benefit of compactness, making it easy to switch between 4WD and RWD modes. This shift function is perfectly reproduced on the model to provide more driving pleasure when driving off-road.

Now let's move to chassis. The popular portal axle in today's climbing car market has been in mass production for barrel cars as much as 82 years ago, from which wheelside reducer reduction ratio of 15:21 has learned a lot, making the barrel car chassis minimum ground clearance of 310mm, dwarfing all modern off-road cars on the market today. On the real car, the front and rear wheel speeds are balanced by increasing the front axle differential gear ratio while on the model we set the door axle reduction ratio to 1:1 for common front and rear axle differentials.

Solid load-bearing chassis with stamped central ridge tube chassis and body bears high torsional resistance. The central drive shaft and electrical wiring are hidden in the ridge tube. The one piece injection model features the texture of metal stamping with plastic as location and size of each reinforcement are restored according to the actual car. The front and rear wheels adopt torsion-bar-sprung independent suspension, allowing long travel capability with little space occupation. We use torsion springs instead of torsion bar springs to present the front and rear suspension, easy to disassemble and change tuning.

With regards to tires, the car adopts newly developed road tires and can be used with wheel hub of model Kübelwagen. The simulated wheels need to be fixed with 5 screws like the real car, and the spare tire in the front is readily accessible after opening the hood. Here you can also charge the battery at your convenience with battery properly stored in the actual car fuel tank.

Can the doors be opened? Let's try the door handle. Pull outward- the door can be opened with the built-in spring lock push, when closed you can hear the spring lock crisp "kata" sound. Door interiors are engraved with simulated fabric texture; Soft rubber seats share the same soft texture of the actual car cushion, perfect for 1 / 12 figures. As always does, the model features a servo operated steering wheel and front wheels for perfect synchronized action.

Generally speaking, rear passengers do not have a separate door which reduced the likelihood of a successful escape for rear officers in an emergency. To facilitate escape in the event of an attack and rollover, foldable soft canopy is set in the roof window. In the model, we set up a removable plastic roof carved with a fine weave pattern to simulate the texture of the cloth canopy. When removed, figures can be placed in the rear if you like.

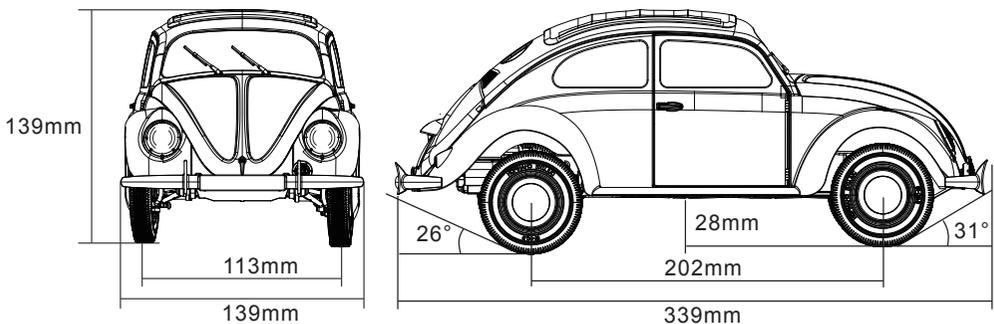
For the electronic system, a 4-channel digital proportional remote control system is applied. In addition to 1&2 channels for steering and throttle control, the 3rd channel controls the gearshift and the 4th channel switching between 4WD and RWD. There is also integrated light control, which allows you to turn on the headlights during normal night driving. The taillights are accompanied by a brake linkage effect.

More exciting product features and designs are right there. Go and discover them yourself.

Features

- Four-wheel independent suspension
- Rear portal axles
- Front and rear axle planetary gear differentials
- Perfect restoration of Air-cooled horizontally opposed four-cylinder engine
- 130 motor in the cylinder
- Cooling fan driven by belt
- The third channel for the two-speed transmission controls
- The fourth channel for switching between 4WD-RWD Mode
- Servo Operated Synchronized Steering Wheel and Front Wheels
- Openable doors with spring loaded latch
- Realistic fabric soft rubber seats
- Openable front storage compartment hatch
- Openable Engine hatch
- Excellent light function
- Realistic tires, wheels and spare tire
- Perfect for 1/12 figures
- 30 stainless steel ball bearings
- Full metal gears
- Full metal drive shaft
- 4CH 2.4GHz digital proportional remote control system
- Three-in-one receiver with ESC and LED light group control board
- 9G servo x 3pcs

Specification



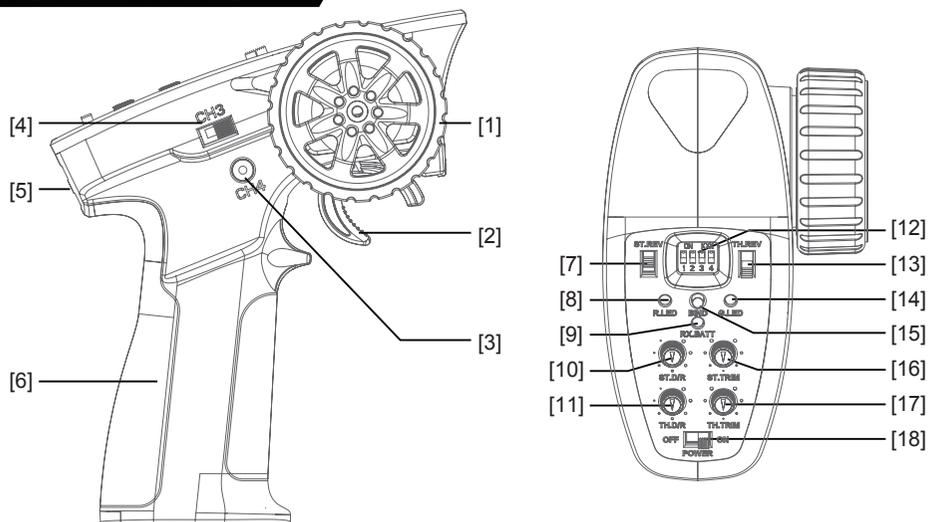
- Length: 339mm
- Width: 139mm
- Height: 139mm
- Wheel base: 202mm
- Wheels: D:58mm , W:12mm
- Departure angle: 26°
- Approach angle: 31°
- Motor: 130 Brushed motor
- Battery : 2S Lipo 7.4V 380mAh x1
- Max Speed: 8km/h
- Remote control distance: 60m
- Approx. operating duration time: 20mins
- Remote control: 2.4G Transmitter + Three-in-one receiver with ESC and LED light group control board
- Key functions: Two-speed transmission / 4WD-RWD Mode / Smart light effect

Transmitter instruction

Intruction

FS-R4A1 based on ANT protocol is a three-in-one receiver with ESC and LED light group control board. It has an external single antenna, can output PWM signal and light control signal, can implement two-way transmission, adopts automatic binding, and has a compact design, which can be adapted to various model cars.

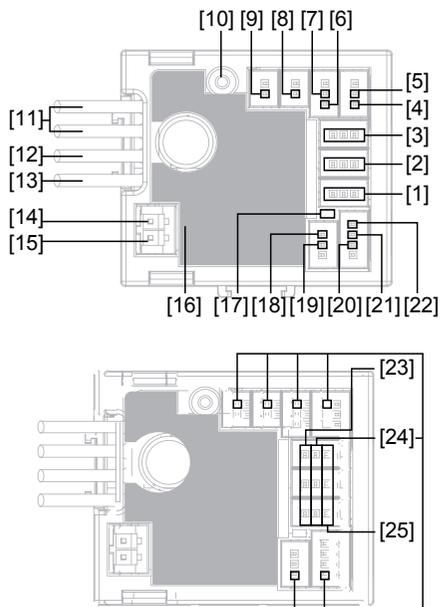
Transmitter Overview



[1]	Steering wheel, 35 degrees on each side (CH1)	[10]	ST.D/R
[2]	Throttle trigger, 25 degrees in front and 12.5 degrees at rear (CH2)	[11]	TH.D/R
[3]	Click (CH4) [Click for the lighting effect function, long press for other functions, such as two/four-wheel drive switching]	[12]	Switch to the electric adjustment mode
[4]	Three-position toggle switch (CH3)	[13]	TH.REV
[5]	Lanyard hole	[14]	G.LED
[6]	Handle, 4*AAA battery compartment	[15]	BIND
[7]	ST.REV	[16]	ST.TRIM
[8]	R.LED	[17]	TH.TRIM
[9]	RX.BATT	[18]	Power Switch

*[3]Click (CH4)Note: Not all models have this feature.

Overview



- | | |
|---------------------------|----------------------------|
| [1] CH1 | [14] Motor port "M+" |
| [2] CH3 | [15] Motor port "M-" |
| [3] CH4 | [16] Stickers |
| [4] Left-turn light port | [17] LED |
| [5] Head light port | [18] Left-turn light port |
| [6] Right-turn light port | [19] Right-turn light port |
| [7] Head light port | [20] Reversing light port |
| [8] Fog light port | [21] Stop light interface |
| [9] Fog light port | [22] Tail light interface |
| [10] Antenna | [23] Channel signal end |
| [11] Power switch | [24] Power anode |
| [12] Battery line anode | [25] Power cathode |
| [13] Battery line cathode | |

Specifications

- Product Name: FS-R4A1
- Adaptive transmitter: FS-MG41
- Model Type: Car
- Channels: 4
- Numbers of Light Interfaces: 7
- RF: 2.4GHz ISM
- 2.4G Protocol: ANT
- Antenna: Single antenna
- Input Power: Lipo (2S)/NiMH (5~7Cell)
- BEC Output: 6V/1A
- Continuous/Peak Current: 10A/50A
- Data Output: PWM
- Temperature Range: -10℃ —+60℃
- Humidity Limit: 20%~95%
- WaterProof: PPX4
- Online Update: No
- Dimensions: 33mm*30mm*12mm
- Weight: About 11g
- Certification: CE, FCC ID: N4ZR4A10

Binding

The receiver automatically enters the binding state once it is powered on.

Press the **BIND** Key to turn on the transmitter and allow it to enter its binding state. Here, **G.LED** flashes quickly, and operator releases the **BIND** Key.

1. When the receiver is powered on and waits for 1 second, it will automatically enter the binding state if it is not connected;
2. After the binding is successful, the LED indicator of the receiver is always on.

Notes: (1) Set the transmitter to its binding state first, and then set the receiver to its binding state. If the binding is not completed within 10s, the indicator light of the receiver will enter its slow flashing state. (2) If re-binding is successful, all the settings of the car lights will be restored to their default values.

ESC protection

This receiver has multiple prompt functions such as power-on self-check display, overheating alarm prompt, and low/high voltage alarm prompt.

- Self-check display: all car lights will be on for 1S when the receiver is powered on;
- Overheating alarm: When the internal temperature of the ESC is detected to exceed 110 °C, motor has no output, all car lights flash promptly, and the normal output will be restored when the temperature is lower than 70°C;
- Low/high voltage alarm: When the receiver enters the low voltage protection, motor has no output, and all the lights flash slowly; when the receiver enters the high voltage protection, all channels have no output. All car lights flash promptly.

ESC function instructions

1. Connect related equipment:

Make sure the ESC is off before connection. Connect the motor with M+ and M- of ESC. Connect the steering servo to the 3Pin interface marked with "ST" of ESC (- + S connected correspondingly). Connect the battery with the positive and negative poles of ESC correspondingly.

2. Normal boot, identification throttle midpoint:

After connecting related equipment as step 1, turn on the radio first, move the throttle trigger to the neutral position. Turn on the switch of ESC at last. The receiver will automatically recognize the battery type when it is powered on again. Then it can run it.

Notes:

- a. The ESC can be run after completing self-inspection (about 3 seconds) if power on, otherwise it cannot be operated normally.
- b. If there is no power output and the red light of ESC flashes quickly after power on, please check whether the throttle trim of the transmitter is set to the "0" position, the receiver will automatically recognize the midpoint of the trim throttle after restarting;
- c. If the rotation direction is not correct during running, exchange the two wires connecting motor and ESC.
- d. To make sure everything is ok, please turn on the transmitter first and finally turn on the ESC, turn off the ESC first and finally turn off the transmitter.

Notes: Please refer to the relevant sections for details about the battery type, drag brake force and running mode of the ESC.

Failsafe

This function is used to protect the safety of the model and the operator when the receiver cannot normally receive the signal from the transmitter and is out of control. The receiver defaults that the throttle channel is fixed to be out of control and enters the brake state. After other channels are out of control, the receiver has no signal output. If you set it on the transmitter, it will output according to the set value.

Attention:

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Please carefully check each power device and car frame instructions to ensure the power matching is reasonable before use. Avoid damaging power system due to incorrect matching.
- Do not let the external temperature of the system exceed 90°C /194°F , because high temperature will damage the power system.
- Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so may lead to unintended operation or loss of control.
- After use, remember to disconnect the battery and the ESC. If the battery isn't disconnected, the ESC will consume electric energy all the time even if it is off. It will discharge completely if connect the battery for a long time, thus resulting in the failure of the battery or the ESC. We are not responsible for any damage caused by this!
- Make sure the receiver is mounted away from motors or any device that emits excessive electrical noise.
- Keep the antenna of the receiver at least 1cm away from conductive materials such as carbon or metal.
- Do not power on the receiver during the setup process to prevent loss of control.

ESC Parameter Setting

Running Mode	Battery Type	Drag Brake	
 FWD/REV/BRK	 Lipo	 0%	 75%
 FWD/REV	 NiMH	 50%	 100%

Dial Switch sign

The Dial Switch on the transmitter is used to set ESC parameters, that is, the Dial Switch is located at different positions and the corresponding parameter values are different.

Setting Method:

There are three parameters can be set for the ESC, which are "Running mode", "Battery type", "Drag brake", There are slide switches numbered 1 2 3 4 on the radio panel . The above parameters can be set by dialing down and up.

The specific operation is as follows:

When No. 1 slide switch is on the down, it indicates that the operation mode is set to FWD / REV / BRK.
 When No. 1 slide switch is on the up, it indicates that the operation mode is set to FWD/REV.
 When No. 2 slide switch is on the down, it indicates that the battery type is set to Lipo.
 When No. 2 slide switch is on the up, it indicates that the battery type is set to NiMH.
 When No. 3 and No.4 slide switch are on the down, it indicates that the drag brake force is set to 0%.
 When No. 3 slide switch is on the down and No.4 slide switch is on the up, it indicates that the drag brake force is set to 50%.
 When No. 3 slide switch is on the up and No.4 slide switch is on the down, it indicates that the drag brake force is set to 75%.
 When No. 3 and No.4 slide switch are on the up, it indicates that the drag brake force is set to 100%.

Parameter Explanation:

1. Running Mode

FWD/REV/BRK: This mode adopts "double click" reverse mode, that is, when the throttle trigger is pushed from natural range to the reverse area for the first time, the motor is only braking and will not reverse; when the throttle trigger is moved back to the natural range and pushed to the reverse area for the second time, it will reverse. This mode is applicable to general models.

FWD/REV: This mode adopts "one click" reverse mode, that is, when the throttle trigger is pushed from natural range to the reverse area, the motor immediately generates reverse action, which is generally applied to rock crawler.

Parameter setting method:

When No. 1 slide switch is on the down, it indicates that the operation mode is set to FWD / REV / BRK.

When No. 1 slide switch is on the up, it indicates that the operation mode is set to FWD/REV.

2. Battery Type

There are LiPo and NiMH cells. The low-pressure protection value is different under different types. It can be set according to the actual use.

Parameter setting method:

When No. 2 slide switch is on the down, it indicates that the battery type is set to Lipo.

When No. 2 slide switch is on the up, it indicates that the battery type is set to NiMH.

3. Drag Brake Force

The drag brake means that when the throttle trigger moves from the forward or reverse area to natural range, it will produce certain braking force to the motor, the larger the value is, the greater the drag brake force is. Select proper braking force according to the actual situation.

Parameter setting method:

When No. 3 and No.4 slide switch are on the down, it indicates that the drag brake force is set to 0%.

When No. 3 slide switch is on the down and No.4 slide switch is on the up, it indicates that the drag brake force is set to 50%.

When No. 3 slide switch is on the up and No.4 slide switch is on the down, it indicates that the drag brake force is set to 75%.

When No. 3 and No.4 slide switch are on the up, it indicates that the drag brake force is set to 100%.

Lighting function

				Times for Pressing						
Button	Light Position	Function	Power on is off by default	I	II	III	IV	V	Control Mod	Remarks
CH4	Headlight	White headlights keep on		OFF	•	OFF	OFF	OFF		
		White headlights keep on with high brightness		OFF	OFF	•	•	OFF		
	Taillights	Taillights keep on		OFF	•	•	•	OFF		
		Taillights turn red with high brightness amid brake operation			○	○	○	○	○	Throttle linkage control

Getting started

Before operation, install the battery and connect the system as instructed below.

★ Transmitter Battery Installation

 Danger	Only use specified battery (X4 AAA batteries).
 Danger	Do not open, disassemble, or attempt to repair the battery.
 Danger	Do not crush/puncture the battery, or short the external contacts.
 Danger	Do not expose to excessive heat or liquids.
 Danger	Do not drop the battery or expose to strong shocks or vibrations.
 Danger	Always store the battery in a cool, dry place.
 Danger	Do not use the battery if damaged.

Battery Type: AAA

Battery Installation:

1. Open the battery compartment cover.
2. Insert 4 fully-charged AAA batteries into the compartment. Make sure that the battery makes good contact with the battery compartment's contacts.
3. Replace battery compartment cover.

Low battery alarm: When the battery is lower than 4.2V, the LED on the panel will flash slowly.

Instructions

After setting up, follow the instructions below to operate the system.

1. Automatic code matching (the transmitter and receiver have been successfully coded before leaving the factory.)

If you need to replace another transmitter or receiver, please follow the following steps to code:

1. When the transmitter power is on and the code matching mode is on, the light keeps flashing;
2. The power supply of the receiving board is turned on, and the front lights keep flashing to enter the code matching mode;
3. When the code matching is successful, all the transmitter lights are on and all the lights on the car are off;

Note: when code matching, please operate the transmitter to enter the code matching state first, and then operate the receiver to enter the code matching state.

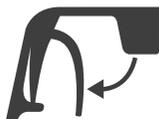
THROTTLE STICK POSITION

Throttle stick position

Neutral point



Top point of forward direction



Top point of backward direction

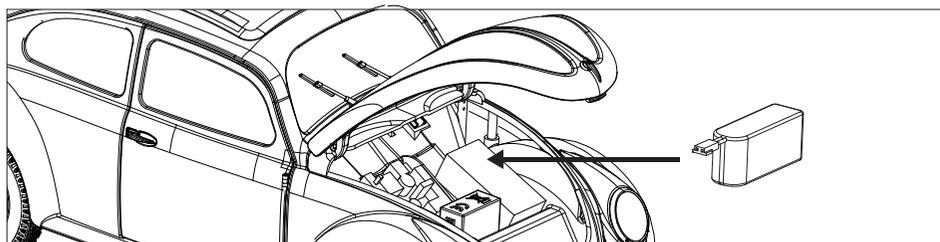


VEHICLE SETUP

Connecting the battery

Step1:open the hood.

Step2:place the battery in the battery box and connect the battery plug.



NOTE

- 1.If it is not in use for a long time, unplug and take off the battery to prevent battery leakage.
- 2.Do not open, disassemble, or attempt to repair the battery.
3. The battery needs to be disconnected from vehicle before it can be charged
4. Do not charge battery in vehicle.

Battery Precautions

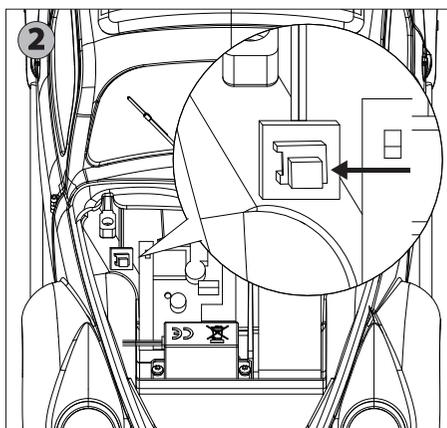
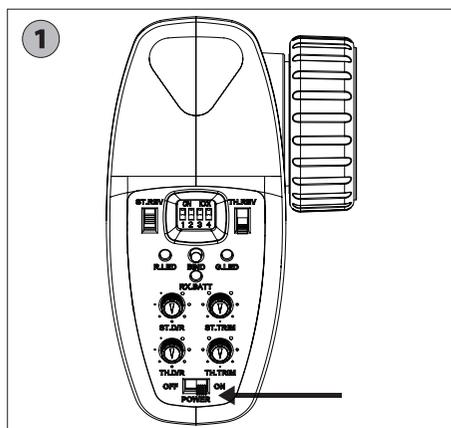
- Always charge LiPo batteries on non-flammable, heat-resistant surfaces.
- Always use a LiPo-safe bag or container while charging. Do not allow LiPo cells to overheat at any time.
- Cells which reach greater than 140 Fahrenheit(60°C) will usually become damaged and will catch fire.
- Do not charge the LiPo pack while it is still in the model. Never charge or store battery packs in a vehicle.
- 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 become hot after usage.Allow the pack to cool to room temperature prior to recharging.
- Do not allow the electrolyte to get into eyes or on skin.Wash affected areas immediately if they 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(0°C-45°C).

OPERATING THE VEHICLE

Step 1: turn on the transmitter, the headlamp of the transmitter will flash and enter the frequency matching mode.

Step 2: turn on the receiver switch, the headlight will flash and enter the frequency matching mode.

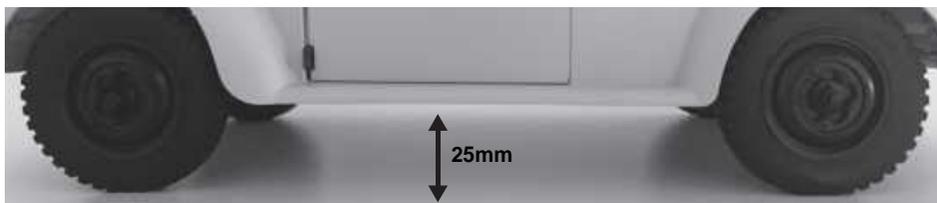
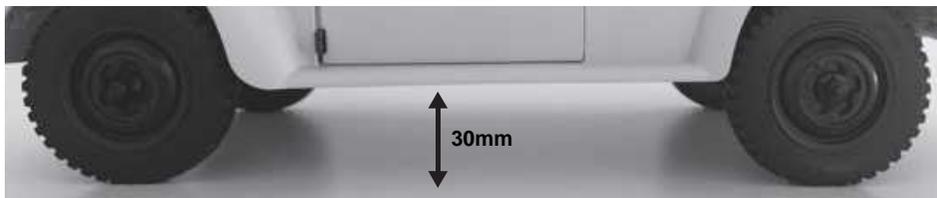
Step 3: when the transmitter and receiver are successful in frequency up, the front lights of the transmitter will be on for a long time, and the front lights of the vehicle will be off.



STANDARD PRECAUTIONS

1/12 THE PEOPLE'S CAR uses swing axle independent suspension, namely torsion springs are adopted instead of torsion bars as the elastic element. If torsion springs are too hard when holding up car weight, the cars movement will be extremely bouncy and in this case will not act like the real car. Hence, we selected soft and tight torsion springs to ensure a better driving performance, but also to lead to the front and rear suspension not rebounding at rest, which is normal.

The real car's maximum ground clearance is 310mm (scaling ratio 25.8mm). To meet the performance requirements of RC off-road and considering the extra weight of figures, the maximum ground clearance set in the model is 30mm for no-load and 25mm for full-load, which can present a more simulated driving posture under different load conditions.



Spare parts list

C1525	Wheels	C1264	Servo Horn Set
C1240	Tire With Foam	C1526	Car Body
C1241	Tire Bracket	C1527	Rear Door Set
C1243	Front Steering C Hub Parts	C1528	Rear Seat
C1244	Front Wheel CVD Shaft	C1529	Light Cup Set
C1245	Steering Link Set	C1530	Hood
C1246	Wheel Shaft Pin	C1531	L/R Door Plastic Set
C1247	Wheel Adaptor	C1532	L/R Door Mount And Lock
C1248	Bushing	C1533	Front/rear Wheel Arch Set
C1249	Bearing	C1534	Bumper Set
C1250	4mm Ball Shaft	C1535	Instrument Panel
C1251	Rear Wheel Retard Gear Box Parts	C1536	Window And Wiper
C1252	Rear Wheel Cvd Shaft	C1537	Mirror Set
C1253	M2 Screw Nut	C1277	MG41 + R4A Transmitter Receiver Set V3
C1254	Differential Set	C1278	MG41 Transmitter V3
C1255	Gear Box Set	C1279	R4A Receiver V3
C1256	Transmission Shaft	C1280	9g Servo Wire: 270mm
C1258	Chassis	C1281	130 Motor
C1259	Gear Shift Operating Rod And Gas Pedal	C1538	Roof Cover
C1260	Steering Wheel Set	C1297	Lens
C1261	Shock Absorbers Spring Set	C1539	Roof Bracket
C1262	Gear Shift Servo And 2wd-4wd Servo Mount	C1540	Steering Wheel Set
C1263	Plank Set	C1541	Front Seat Set

安全保障措施

指引

感谢您购买我们的产品。

本手册旨在帮助您正确操作、维护和修理车辆。由于本品所涉部件多数为特有部件，请保留本手册作为未来参考之用。

本产品由精密部件组成，并非玩具，因此不适合 14 岁以下的少年或儿童使用。未成年人操作时应有成人陪同。未能以安全的方式操作或维护本产品可能会导致人身伤害。以安全的方式操作本产品是所有者的责任。ROCHOBBY及其分销商对使用本产品可能导致的任何和所有人身伤害和/或财产损失概不负责。

安全、预防措施及警告

- 请使用原厂部件更换损坏的部件。特别注意所有车辆接线的正负极。
- 务必选择合适的环境操作遥控模型，所选环境需远离电缆、无线电塔、深水及不稳定地形。本品操作者对其行为全权负责。
- 本品由精密电子部件构成。请勿将本品暴露于潮湿的环境或者其他污染物中。
- 确保每次操作前检查车辆的无线接收范围，以防止无线信号丢失或受干扰。
- 在您的能力范围内操作此产品。在任何时候，如果车辆操作有危险，则绝对不值得冒险。
- 通电方式：务必先开遥控器再将车子通电。断电方式：务必先将车子断电再关遥控器。以上顺序如逆转，则可能引起遥控模型失控，导致人身伤害或财产损失。
- 遥控器电池低电时，请勿操作模型车，以免出现失控。
- 模型产品上的塑胶件容易因极冷或极热气候出现变形或损坏的状况。所以请将模型产品存放在气候受控的室温环境中，切勿靠近任何热源，如烤箱或加热器等。

使用前请仔细阅读本手册。我们不对任何故意损坏或不当使用负责。这个产品不是玩具！建议14岁及以上者使用。14岁以下的用户，需要在成年人监督下使用。本产品部分包含小零件，请务必保证3岁及以下儿童不能接触本产品。



无线电系统

安全符号

仔细阅读以下符号及其相关说明，如不按照以下指引进行操作，可能会导致设备损坏或人员伤亡。

⚠ 注意 如果使用者不按照说明方法操作，有可能导致操作者或他人受到轻微伤害。

⚠ 注意 如果不按照说明方法操作，可能导致操作者或他人遭受较大伤害。

⚠ 注意 如果不按照说明方法操作，可能导致操作者或他人严重受伤，甚至遭受生命危险。

安全信息



禁止



强制

- 请不要在夜晚或雷雨天气使用本产品，恶劣的天气环境有可能导致遥控设备失灵。
- 请不要在能见度有限的情况下使用本产品。
- 请不要在雨雪或有水的地方使用本产品。如果有液体进入到系统内部，可能会导致运行不稳定或失灵。
- 信号干扰可能导致设备失控。为保证您和他人的安全，请不要在以下地点使用本产品：
 - 1、通信基站附近或其他无线电活跃的地方
 - 2、人多的地方或道路附近
 - 3、水域附近
 - 4、高压电线或通信广播天线附近
- 当您感到疲倦、不舒服，或在摄入酒精或服食导致麻醉或兴奋的药物后，不要操作本产品。否则可能对自己或他人造成严重的伤害。
- 2.4GHz无线电波段完全不同于之前所使用的低频无线电波段。使用时请确保模型产品在您的视线范围内，大的障碍物将会阻断无线电频率信号从而导致遥控失灵模型失控。



• 在操作或使用模型后，请勿触摸任何可能发热的部位，如电池、电机等。这些部件可能非常热，容易造成严重的烧伤。

• 遥控设备使用不恰当可能导致操作者或他人严重受伤，甚至死亡。为保证您和设备的安全，请仔细阅读使用说明书并按照规定要求进行操作。

• 使用前必须确保本产品与模型安装正确，否则可能导致模型发生严重损坏。

• 关闭时，请务必先关闭接收机电源，然后关闭发射机。如果关闭发射机电源时接收机仍然在工作，将有可能导致遥控设备失控或者引擎继续工作而引发事故。

• 当遥控距离较远时，有发生失控的可能，请适当缩短遥控距离。

• 操控时，请先确认模型所有舵机的动作方向与操控方向一致。如果不一致，请调整好正确的方向。



产品简介

研发背景

人类拥有汽车的历史并不长，最初的那段日子里，汽车这种“诡异”但高效的运输工具是只服务于顶级富豪的奢侈品，直到大批量生产的人民汽车的出现。世界各国都有极一时的人民汽车，研发的初衷虽各不相同，但小巧便捷、多功能是他们共同的理念，最为人民的汽车，最重要的往往是“便宜”。

费迪南保时捷博士，保时捷汽车创始人，天才设计师，先后设计过甲壳虫汽车、象式坦克歼击车，82桶车，166水陆两栖车，还有世界上第一台使用轮毂电机驱动的汽车，设计思想影响至今。

阿道夫希特勒，战争狂人，纳粹德国元首、总理，纳粹党党魁，第二次世界大战始作俑者，大屠杀的策划和发起者，苏联红军攻入柏林后，自知罪孽深重，1945年4月30日于地下掩体内饮弹自戕。

这两个奥地利人的命运在二十世纪30年代交织在一起，希特勒当选为第三帝国元首后向德国人民做出了两项承诺：一是让每个德国家庭的晚餐上吃到牛排；二是让每个德国家庭都拥有一辆汽车。这台车有非常具体的指标，能同时搭载2个成年人和3个孩子，也就是一个标准的德国家庭，并以最快100km/h的速度行驶，而售价不能高于1000帝国马克。

事实上在整个战争期间这款人民汽车没有一台卖到人民手里，全部被征用改造为军用车辆，这其中最著名的就是Kübelwagen（2021年11月已上市该RC模型，产品编号:11241），如果您已经购买，我们不胜荣幸，如果您还没有购买，不妨从这台开始体验遥控仿真模型。战后的民用版本既是后来蜚声全球的甲壳虫汽车。

关于模型

我们从发动机开始，水平对置风冷四缸发动机是这台车的核心部件，这台发动机在后世多款经典车上应用，在甲壳虫上使用持续65年，截止2003年7月30日，编号21,529,464的最后一辆甲壳虫驶下位于墨西哥普埃布拉的生产线，这传奇才告一段落。初期Typ82使用985cc的发动机，后期升级为1131cc，再后来逐渐加大排量，在保时捷356上使用了1488cc的发动机，马力比最初期扩大了一倍。水平对置发动机的气缸分布在两侧，我们在右侧气缸的位置埋下一台130电机，左侧预留了安装另一台130电机的位置，当应用在大众T1或者保时捷356平台上时可以输出大一倍的动力。发动机曲轴飞轮通过皮带连接驱动发电机，同时带动散热风扇，半圆形的风扇整流罩是一大特色，气流在里面被分配给两侧的气缸。在模型上这一切都被还原，当电机运行时，你可以透过风扇进气口观察到叶片旋转。实车有4个前进档，每个档位的最高速度分别为：1档18.4km/h；2档32.4km/h；3档54.2km/h；4档83.6km/h 在仪表盘上可以观察到对应的换挡提示红线。在模型上我们设计了2档变速，模拟实车1档和3档的速度。动力从后轴差速器上方越过后再返回输出给后轴，这个结构和实车发动机一样，好处是结构紧凑，可以方便的在四驱和后驱模式间切换，当然我们在模型上也重现了这一切切换功能，在越野行驶时可以帮助我们克服更复杂的障碍，获得更多驾驶乐趣。

底盘方面，今天攀爬车市场上流行的门式车桥早在82年前就已量产，轮边减速器减速比为15:21。得益于这个结构，底盘最小离地间隙达310mm，令今天市售的所有现代越野车相形见绌。真车通过加大前轴差速器齿比来平衡前后轮转速，在模型上为通用前后轴差速器，我们的门桥减速比设定为1:1。

冲压成型的中央脊管底盘与车身固定形成坚固的承载式底盘，抗扭动性很高，中央传动轴和电器线路都隐藏在脊管内。模型上是一体注塑成型的，每一根加强筋的位置和尺寸都按照实车考证还原，力求用塑料呈现金属冲压的质感。前后轮均为使用扭杆弹簧的独立悬挂，这种悬挂的优点是行程长，占用空间小，模型上我们用扭簧代替扭杆弹簧呈现前后悬挂，更利于拆换调教。

轮胎是全新开发的公路胎与桶车轮毂通用，仿真轮毂与实车一样需要用5颗螺丝固定，备胎放置在车头，打开引擎盖后即可取出使用，同时这里也是实车油箱的位置，所以电池也收纳在这里，更换非常方便。

车门当然可以打开，试试门把手，向外拉动可以带动内置的弹簧锁开启车门，关闭时你可以听到弹簧锁清脆的“卡塔”声。车门内衬雕刻有模拟织物的纹理，软胶座椅模拟实车坐垫的造型和柔软质感，当放置1/12人偶时可以摆出逼真的坐姿，按照惯例，方向盘联动转向。

后排乘客没有单独的车门，紧急情况下后排军官往往不能快速脱离，为在遇袭和翻车时便于逃生，在车顶开窗设置了可以折叠的软篷。在模型中我们设置了可以移除的塑料材质顶棚，雕刻了细密的编织纹来模拟布篷的质感，移除后也可以方便的摆放后排人偶。

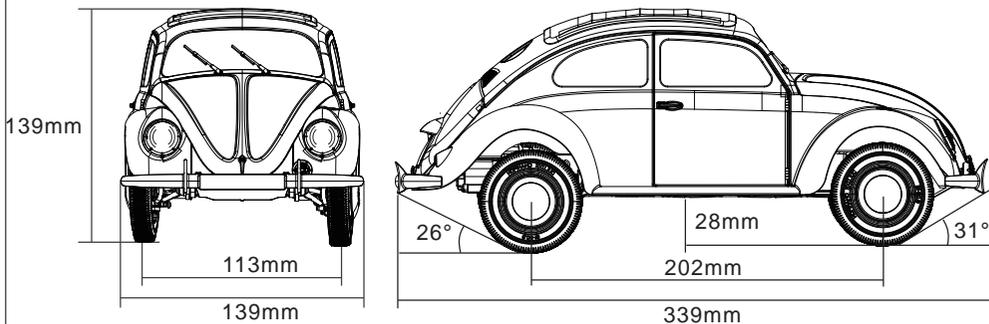
电子系统方面，我们使用的是4通道数字比例遥控系统，除了控制转向和油门以外，第3通道控制换挡，第4通道负责切换四驱和后驱。此外还集成了灯控，正常夜间行驶时可以开启车头灯，尾灯也伴随有刹车联动效果。

以上就是这台人民汽车的全部内容，期待您的发现。

特征

- 四轮独立悬挂
- 后轮门式桥结构
- 前后轴行星齿差速器
- 风冷水平对置四缸发动机神还原
- 130电机隐藏在气缸内
- 散热风扇由皮带驱动
- 第三通道控制两档机械变速
- 第四通道控制四驱-后驱切换
- 方向盘与转向舵机联动
- 左右车门可以开合并配有仿真弹簧门锁
- 模仿织物质地，超柔软座椅
- 前储物舱盖可开合
- 发动机舱盖可开合
- 全车灯光表达
- 仿真轮胎、轮毂和备胎
- 完美适配1/12可动人偶
- 全车30颗不锈钢滚珠轴承
- 全车金属齿轮
- 全车金属传动轴
- 四通道2.4GHz数字比例遥控系统
- 接收机、电子调速器、LED灯组控制板三合一
- 9G舵机×3个

参数

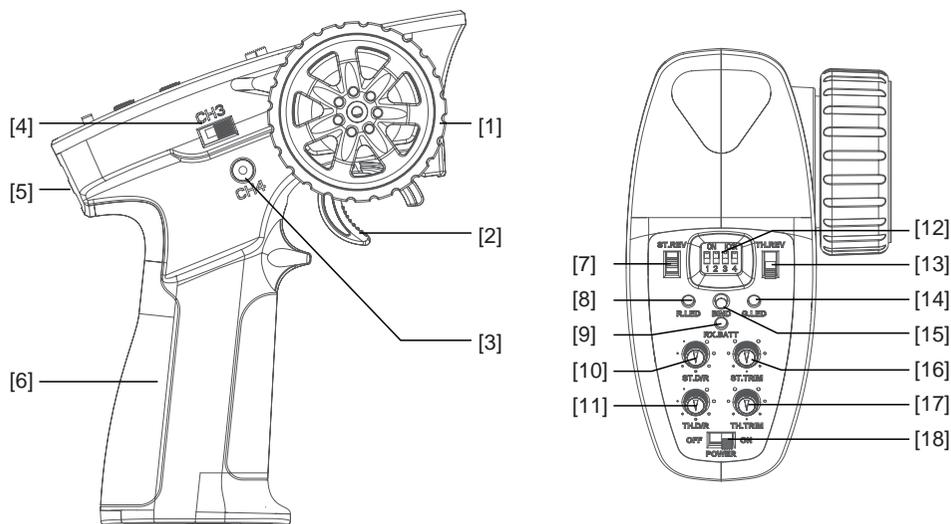


- 车长：339mm
- 车宽：139mm
- 车高：139mm
- 轮胎: D:58mm , W:12mm
- 轴距：202mm
- 接近角: 31°
- 离去角：26°
- 电机：130有刷电机
- 电池：2S Lipo 7.4V 380mAh
- 最快速度：8km/h
- 遥控距离：60m
- 续航：20mins
- 遥控：2.4G 遥控器 + 电调、LED灯组控制板三合一接收机
- 主要功能：两档变速, 二/四驱切换, 灯效切换

遥控设备介绍

FS-R4A1采用ANT协议，是一款电调、LED灯组控制板三合一接收机，外置单天线，可输出PWM信号和车灯控制信号，能够实现双向传输，采用自动对码，设计小巧紧凑，可适配多种车型使用。

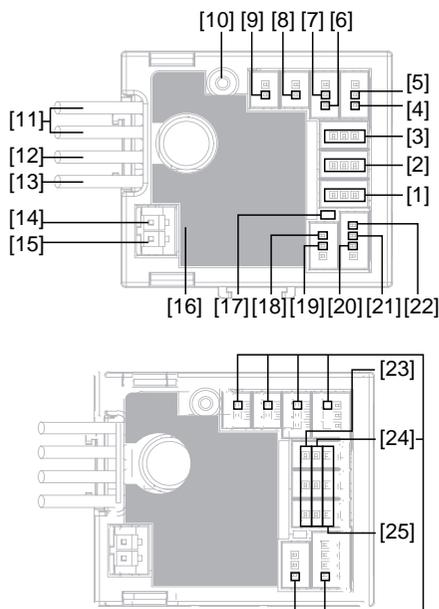
发射机概览



[1] 方向手轮，左右各35度（CH1）	[10] 方向舵量调节旋钮（ST.D/R）
[2] 油门扣机，前25度后12.5度（CH2）	[11] 油门舵量调节旋钮（TH.D/R）
[3] 按键开关CH4（单击为灯效功能，长按为其他功能，如二/四驱切换。）	[12] 拨码开关（切换电调的工作模式）
[4] 三档拨动开关（CH3）	[13] 油门倒置开关（TH.REV）
[5] 挂绳孔	[14] 状态指示灯绿色LED(G.LED)
[6] 手柄，4*AAA电池仓	[15] 对码按键（BIND）
[7] 方向倒置开关（ST.REV）	[16] 方向微调旋钮（ST.TRIM）
[8] 电源指示灯红色LED(R.LED)	[17] 油门微调旋钮（TH.TRIM）
[9] 电调电池电量显示双色灯（RX.BATT）	[18] 电源开关

*[3]按键开关CH4,(长按为两/四驱切换)部分车型无此功能

接收机概览



- | | |
|------------|----------------|
| [1]CH1通道接口 | [14]马达接口“ M+ ” |
| [2]CH3通道接口 | [15]马达接口“ M- ” |
| [3]CH4通道接口 | [16]贴纸 |
| [4]左转灯接口 | [17]LED指示灯 |
| [5]前灯接口 | [18]左转灯接口 |
| [6]右转灯接口 | [19]右转灯接口 |
| [7]前灯接口 | [20]倒车灯接口 |
| [8]雾灯接口 | [21]刹车灯接口 |
| [9]雾灯接口 | [22]尾灯接口 |
| [10]天线 | [23]通道信号端 |
| [11]电源开关 | [24]电源正极 |
| [12]电池线正极 | [25]电源负极 |
| [13]电池线负极 | |

产品规格

- 产品型号：FS-R4A1
- 适配遥控器：FS-MG41
- 适合机种：车
- 通道个数：4
- 车灯接口数：7
- 无线频率：2.4GHz ISM
- 无线协议：ANT(自动调频数字系统)
- 无线类型：单天线
- 输入电源：Lipo(2S)/NiMH(5~7Cell)
- BEC输出：6V/1A
- 持续/峰值电流：10A/50A
- 数据输出：PWM
- 温度范围：-10°C—+60°C
- 湿度范围：20%~95%
- 防水等级：PPX4
- 在线更新：无
- 外形尺寸：33mm*30mm*12mm(不含电容)
- 机身重量：11g左右
- 认证：CE,FCC ID:N4ZR4A10

对码

本款接收机上电即自动进入对码状态。

按住遥控器的对码键并开机，即进入对码状态，此时G.LED快闪，松开“BIND”键。

- 1.接收机上电等待1秒没有连接将自动进入对码；
- 2.对码成功后，接收机LED指示灯常亮；

注：(1)对码时请先将遥控器进入对码状态，再将接收机进入对码状态，若10s内对码没有完成，接收机指示灯进入慢闪状态；(2)如果重新对码成功，车灯的所有设置将恢复默认值。

电调保护功能

本款接收机具有上电自检显示、过热报警提示、电压过低/高报警提示等多种提示功能。

- 自检显示：接收机上电瞬间所有车灯长亮1S；
- 过热报警：检测到电调内部温度超过110°C时，马达无输出，所有车灯快闪提示；当温度低于70°C时恢复正常输出；
- 电压过低/高报警：接收机进入电压过低保护时，马达无输出，所有车灯慢闪提示；接收机进入电压过高保护时，所有通道无输出，所有车灯快闪提示。

电调功能使用说明

1.连接相关设备：

连接前请确认电调开关处于关闭（OFF）状态，将电机与电调的M+/M-相连接，舵机接到电调3Pin排针接口上（“-” “+” “S” 相对应），电池与电调输入正负极对应相接。

2.正常开机，识别油门中点：

上面第一步相关设备连接好后，先打开遥控器，并将遥控器油门扳机置于中点位置（自然状态）。最后一步打开电调开关，接收机重新上电自动识别电池类型后方可运行。注意：a.电调开机后必须等到自检完成后方可运行（大约3秒），否则可能无法正常动作；b.若开机后无动力输出，请查看遥控器油门微调是否置于“0”位置，接收机重启可自动识别微调油门中点；c.若运行时发现电机转向不对，将电调接电机的两根线互换位置即可；d.为了一切正常，请养成先打开遥控器最后打开电调开关以及先关闭电调开关最后关闭遥控器的习惯。

注：关于电调的电池类型、拖刹力度和运行模式的设置详见相关配套遥控器说明书相关章节。

失控保护

此功能用于当接收机无法正常收到遥控器的信号不受控制时，保护模型和操作人员的安全。该接收机默认为油门通道固定为失控进入刹车状态，其他通道失控后接收机无信号输出，如若在遥控器上进行设置，则按照设置值输出。

注意事项：

- 使用前必须确保本产品与模型安装正确，否则可能导致模型发生严重损坏。
- 请查看各动力设备以及车架说明书，确保动力搭配合理，避免因错误的搭配导致动力系统损坏。
- 勿使系统的外部温度超过90°C /194 °F,高温将会毁坏动力系统。
- 关闭时，请务必先关闭接收机电源，然后关闭遥控器。如果关闭遥控器电源时接收机仍然在工作，将有可能导致遥控设备失控或者引擎继续工作而引发事故。
- 使用完毕后，若长时间不玩车，切记断开电池与电调的连接。如电池未断开，即使电调开关处于关闭状态，电调也会一直消耗电能（只是非常小），长时间连接电池最终会被过放，进而导致电池或电调出现故障。我们不对因此而造成的任何损害负责！
- 确保接收机安装在远离电机或电子噪声过多的区域。
- 接收机天线需远离导电材料，例如金属棒和碳物质。为了避免影响正常工作，请确保接收机天线和导电材料之间至少有1厘米以上的距离。
- 准备过程中，请勿连接接收机电源，避免造成不必要的损失。

电调参数设置

Running Mode	Battery Type	Drag Brake	
 FWD/REV/BRK	 Lipo	 0%	 75%
 FWD/REV	 NiMH	 50%	 100%

拨码开关标识

发射机上的拨码开关用于设置电调参数，即拨码开关位于不同位置对应参数值不同。

设置方法

该电调有三个参数项可以设置，分别是“运行模式(Running Mode)”、“电池类型(Battery Type)”“拖刹力度(Drag Brake)”。遥控器面板上有一列编号为1234的拨码开关，通过上下拨动可以实现对上述参数项的设置，具体操作如下：

当遥控器面板上编号为1的拨码开关位于下侧时，表示运行模式设置为前进后退带刹车(FWD/ REV/BRK)。

当遥控器面板上编号为1的拨码开关位于上侧时，表示运行模式设置为直接正反转(FWD/REV)。

当遥控器面板上编号为2的拨码开关位于下侧时，表示电池类型设置为锂电池(Lipo)。

当遥控器面板上编号为2的拨码开关位于上侧时，表示电池类型设置为镍氢(NiMH)。

当遥控器面板上编号为3的拨码开关位于下侧时，编号为4的拨码开关位于下侧时，表示拖刹力度为0%。

当遥控器面板上编号为3的拨码开关位于下侧时，编号为4的拨码开关位于上侧时，表示拖刹力度为50%。

当遥控器面板上编号为3的拨码开关位于上侧时，编号为4的拨码开关位于下侧时，表示拖刹力度为75%。

当遥控器面板上编号为3的拨码开关位于上侧时，编号为4的拨码开关位于上侧时，表示拖刹力度为100%。

参数解释

1.运行模式(Running Mode)

前进后退带刹车(FWD/REV/BRK)：此模式采用的是“双击式倒车”，即油门扳机在第一次从中点区域推至反向区域时，电机只是刹车不会产生倒车动作；当油门扳机回到中点区域并第二次推至反向区域时则产生倒车动作。此模式适用于一般车型。

直接正反转(FWD/REV)：此模式采用“单击式”倒车方式，即油门扳机从中点区域推至反向区域时电机立即产生倒车动作，该模式一般用于攀爬车等特种车辆。

设置该参数的方法：

当遥控器面板上编号为1拨码开关位于下侧，表示运行模式设置为前进后退带刹车(FWD/REV/BRK)。

当遥控器面板上编号为1拨码开关位于上侧，表示运行模式设置为直接正反转(FWD/REV)。

2.电池类型(Battery Type)

有锂电和镍氢两种选择，根据实际使用情况设置即可。设置该参数的方法：

当遥控器面板上编号为2的拨码开关位于下侧时，表示电池类型设置为锂电池。

当遥控器面板上编号为2的拨码开关位于上侧时，表示电池类型设置为镍氢。

3.拖刹力度(Drag Brake)

拖刹是指当油门扳机从正向区域或反向区域转入中点区域内时，对电机产生一定的刹车力，这样做可以模拟有刷电机的碳刷对电机转子的阻力，适合减速入弯及攀爬车应用。

设置该参数的方法：

当遥控器面板上编号为3的拨码开关位于下侧，编号为4的拨码开关也位于下侧，表示拖刹力度为0%。

当遥控器面板上编号为3的拨码开关位于下侧，编号为4的拨码开关位于上侧时，表示拖刹力度为50%。

当遥控器面板上编号为3的拨码开关位于上侧，编号为4的拨码开关位于下侧时，表示拖刹力度为75%。

当遥控器面板上编号为3的拨码开关位于上侧，编号为4的拨码开关位于上侧时，表示拖刹力度为100%。

灯光功能

按钮	车灯位置	功能	开机默认 关闭	按次数					控制方式	备注
				I	II	III	IV	V		
CH4	车头部灯	前白灯常亮		关闭	•	关闭	关闭	关闭		
		前白灯高光 常亮		关闭	关闭	•	•	关闭		
	车尾部灯	尾灯常亮		关闭	•	•	•	关闭		
		刹车时红灯 高光亮		○	○	○	○	○	油门联动控制	刹车操作时刹车灯高亮

使用前准备

开始操作前，请按照本章的顺序和指引安装电池、连接设备。

★ 发射机电池安装

 危险	仅使用厂家指定的电池。
 危险	请勿打开、拆卸或自行维修电池。
 危险	请勿挤压、刺穿或接触电池的金属端子。
 危险	请勿将电池置于高温环境或液体中。
 危险	如果不按照说明方法操作，可能导致操作者或他人遭受较大伤害。
 危险	请将电池存放在干燥阴凉的环境中。
 危险	如果电池损坏，请立即停止使用。

电池类型使用：AAA电池

请按照以下步骤安装发射机电池：

1. 打开电池仓盖。
2. 将4颗电量充足的AAA电池装入电池仓内，确保电池上的金属端子与电池仓内的金属端子接触。
3. 盖好电池仓盖。

低电量报警：当电量低于4.2V时，面板上的LED慢闪报警提示。

操作指引

准备操作完成后，您可以按照本章指引开始使用本产品。

1. 自动对码（发射机和接收机在出厂前已对码成功）

如需更换其他的发射机或接收机请按照如下步骤进行对码：

1. 按住Bind键后，发射器电源打开，对码模式，灯不停闪亮；
2. 接收板电源打开，前车灯不停闪亮，进入对码模式；
3. 当对码成功，发射机灯全亮，车上面的灯全部关闭；

注意：对码时请先操作发射机进入对码状态，再操作接收机进入对码状态。

2. 关机

请按照以下步骤关机：

1. 断开接收机电源。
2. 将开关拨到 [OFF] 位置，使发射机关闭。



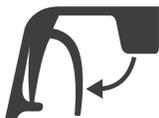
危险 关闭时，请务必先关闭接收机电源，再关闭发射机，否则可能导致模型损坏、人员受伤。

油门扳机位置

中位



前进方向的顶端



后退方向的顶端

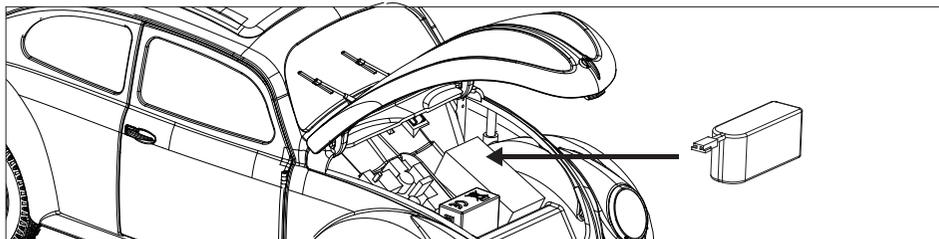


车辆设置

连接电池

步骤1：将引擎盖打开。

步骤2：将电池放置在电池盒中，然后连接电池插头。



注意：1.如果长时间不用，请拔下电池，以防电池损坏。2.不要打开、拆解或试图维修电池。

3.在给电池充电之前，需要先断开电池与车辆的连接。4.请勿在车内给电池充电。

电池注意事项

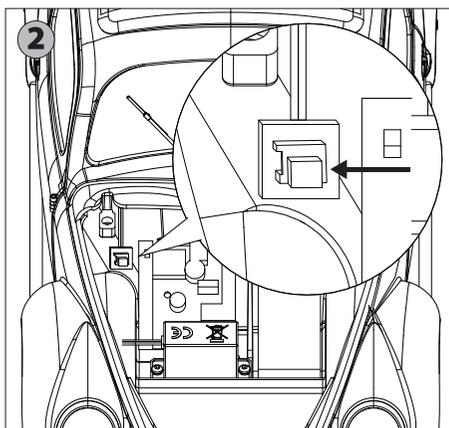
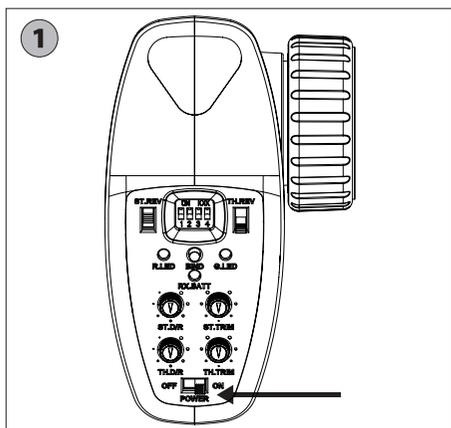
- 不要使用Nicc、NIMH或任何其他类型的充电器给LIPO锂聚合物电池充电。请使用LIPO锂聚合物的专用充电器给LIPO锂聚合物电池充电。
- 请勿在无人看管的情况下充电。
- 电池请勿过充。
- 请勿将电池置放在易燃、不耐热的表面上充电。
- 总是使用安全袋或安全容器给电池充电。保证电池在任何时候都不过热。电池温度超过140华氏度（60°C）则易造成损坏，甚至引发火灾。
- 请勿将电池长期置于模型产品内，更勿在模型产品内直接充电。
- 请勿给电池放电，以免损坏电池。
- 任何时候请勿将电池暴露在水或湿气之中。
- 请勿在明火或加热器附近储放电池。
- 请勿与其他未组装或预组装的电池混用。
- 需将电池存放在远离儿童的安全位置。
- 模型如出现任何碰撞，需立刻拆除电池。
- 即使出现微小的损坏，也需仔细检查电池和连接器。
- 注意：使用后电池可能会发热，需让电池冷却到室温后再进行充电。
- 请勿让电解液接触眼睛或皮肤。如电解液不慎接触到身体的任何部位，请立即进行清洗。
- 请勿替换或修改电池组的连接器或电线。
- 在进行充电或其他任何操作之前需检查电池的状况。
- 请勿造成电池短路。
- 请勿直接接触已泄漏或已损坏的电池。
- 请勿超出建议温度范围充电电池（0度-45度）。

车辆操作

步骤1：打开发射器，发射器前灯会闪亮，进入对频模式。

步骤2：打开接收器开关，车前灯会闪亮，进入对频模式。

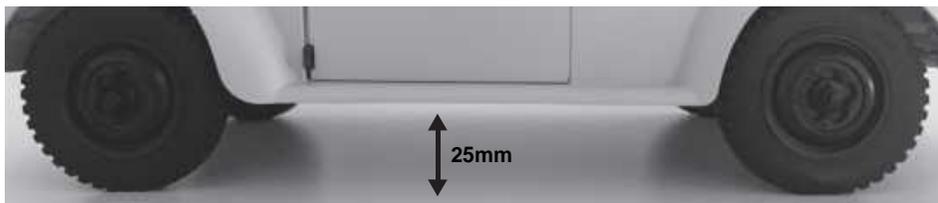
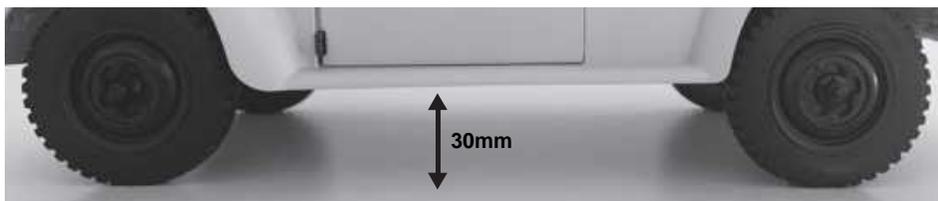
步骤3：当发射器，接收器对上频成功时，发射器前灯会长亮，车前灯会关闭。



使用说明

本车是摆动轴独立悬挂，我们使用扭簧代替扭杆作为弹性元件，如扭簧过硬，撑起全部车重，那么行走就极为弹跳不仿真。所以我们选择偏软并施加预紧的扭簧，这个设定会出现静态时前后悬挂不回弹的情况，这是正常的，可以获得更好的行驶姿态。

实车空载最大离地间隙为310mm（缩比25.8mm）为了满足遥控越野的性能要求，考虑到搭载人偶的额外重量，模型中设定的空载最大离地间隙是30mm，满载25mm，在不同载荷工况下都能呈现更为仿真的行走姿态。

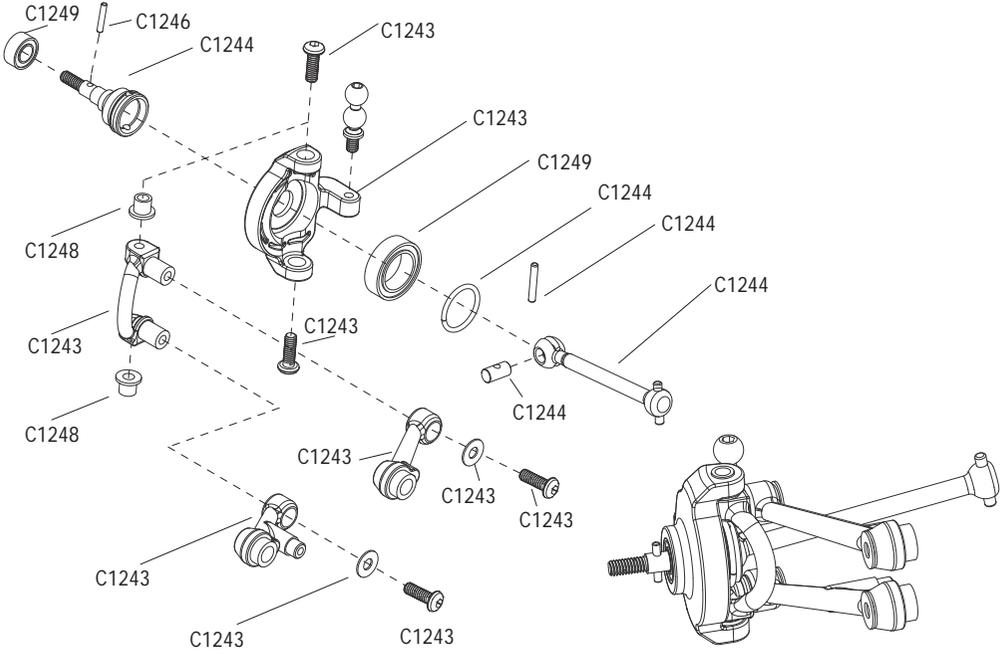


配件列表

C1525	车轮毂	C1264	舵机机臂
C1240	轮胎配海棉	C1526	车壳
C1241	轮胎夹	C1527	车尾门
C1243	转向C座套件	C1528	后座椅
C1244	前轮CVD轴套件	C1529	灯杯
C1245	转向连杆	C1530	前盖板
C1246	前轮轴针	C1531	左/右车门 胶件
C1247	轮毂接合器	C1532	左/右车门锁
C1248	隔套	C1533	前/后轮罩拱
C1249	轴承	C1534	防撞
C1250	4mm球轴	C1535	仪表盘
C1251	后轮慢速器套件	C1536	车窗/雨刮
C1252	后轮CVD轴套件	C1537	后视镜
C1253	M2螺母	C1277	MG41 + R4A 发射接收套装
C1254	差速器	C1278	MG41 发射器 V3
C1255	变速箱总成	C1279	R4A 接收器 V3
C1256	中传动轴	C1280	9g 舵机 线长:270mm
C1258	车底盘	C1281	130电机
C1259	换挡杆/油门踏板	C1538	车顶盖
C1260	方向盘套件	C1297	灯镜片
C1261	减震器弹簧	C1539	车顶盖支架
C1262	换挡及2-4驱动舵机固定座	C1540	方向盘套件
C1263	木板	C1541	前座椅

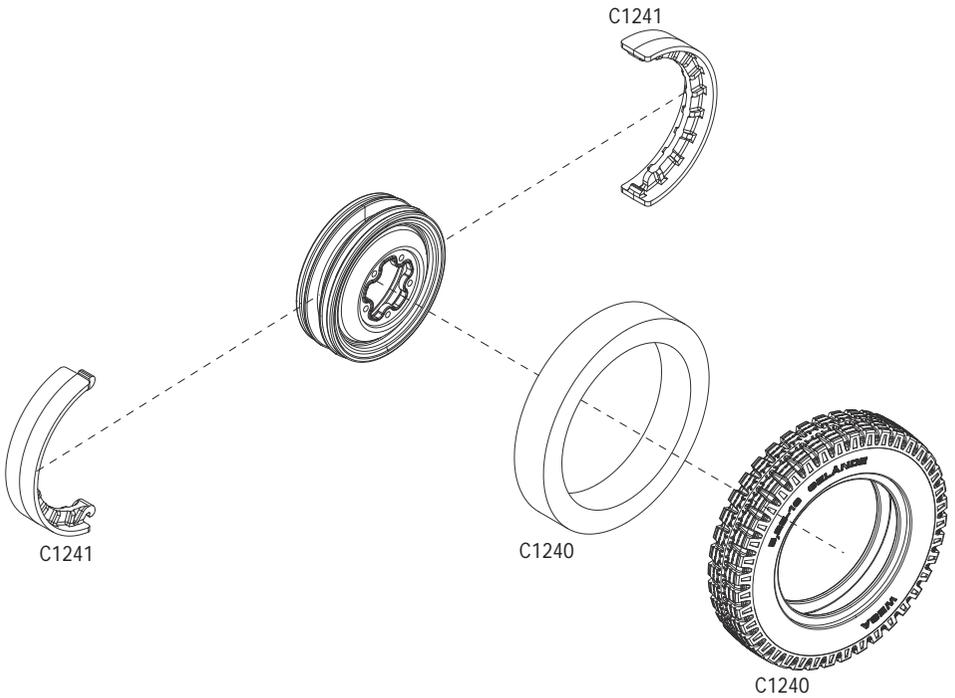
(EN)Front Guide

(CN)前导向

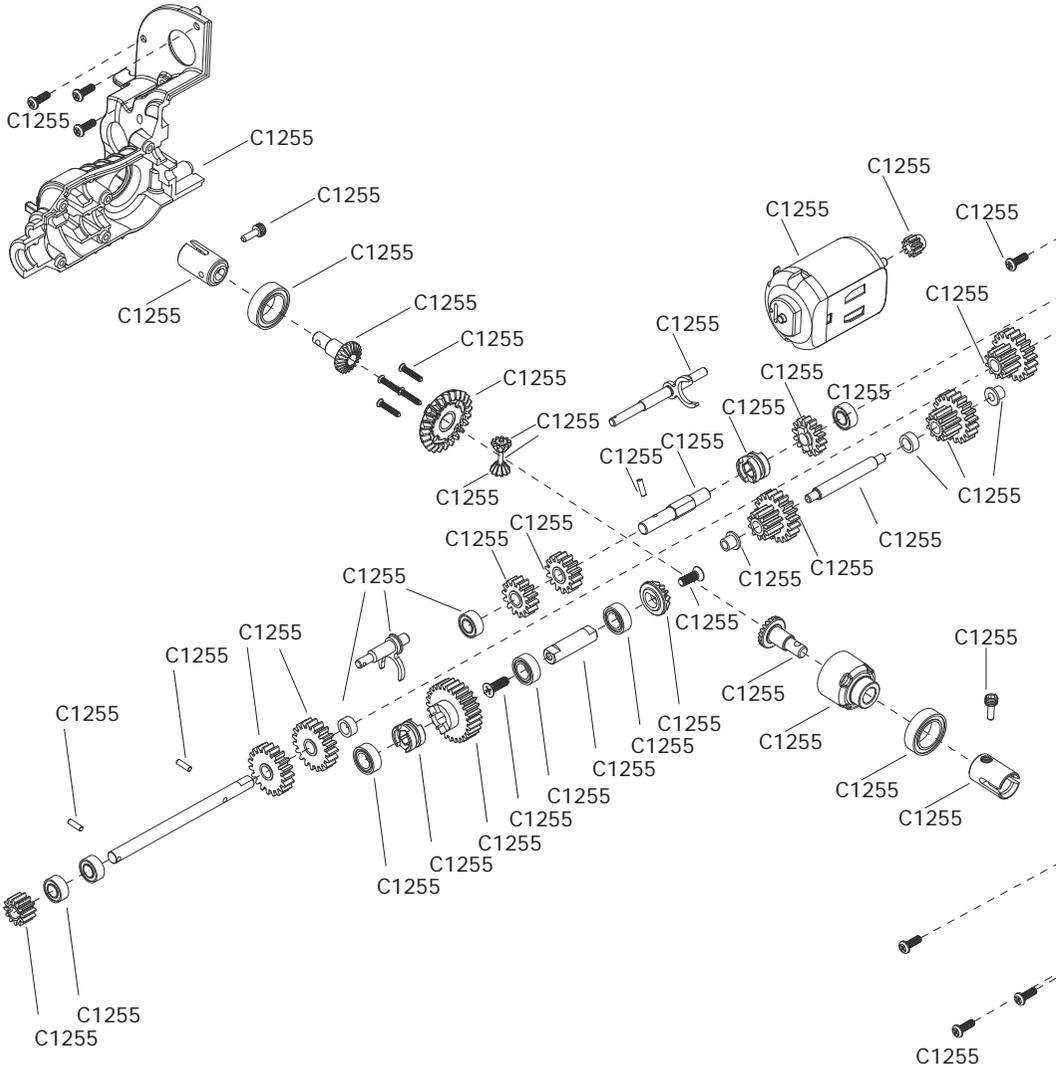


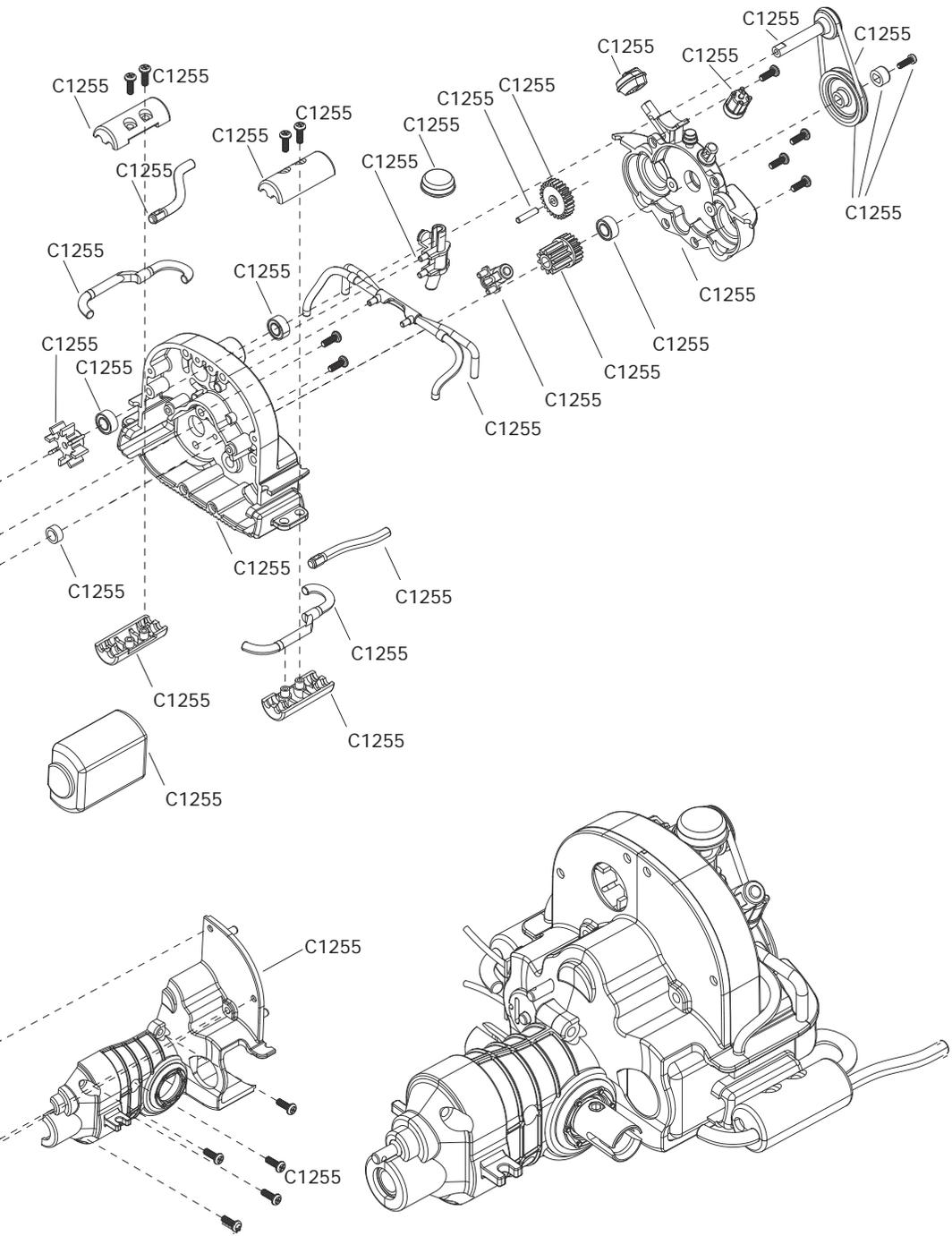
(EN)Tire Set

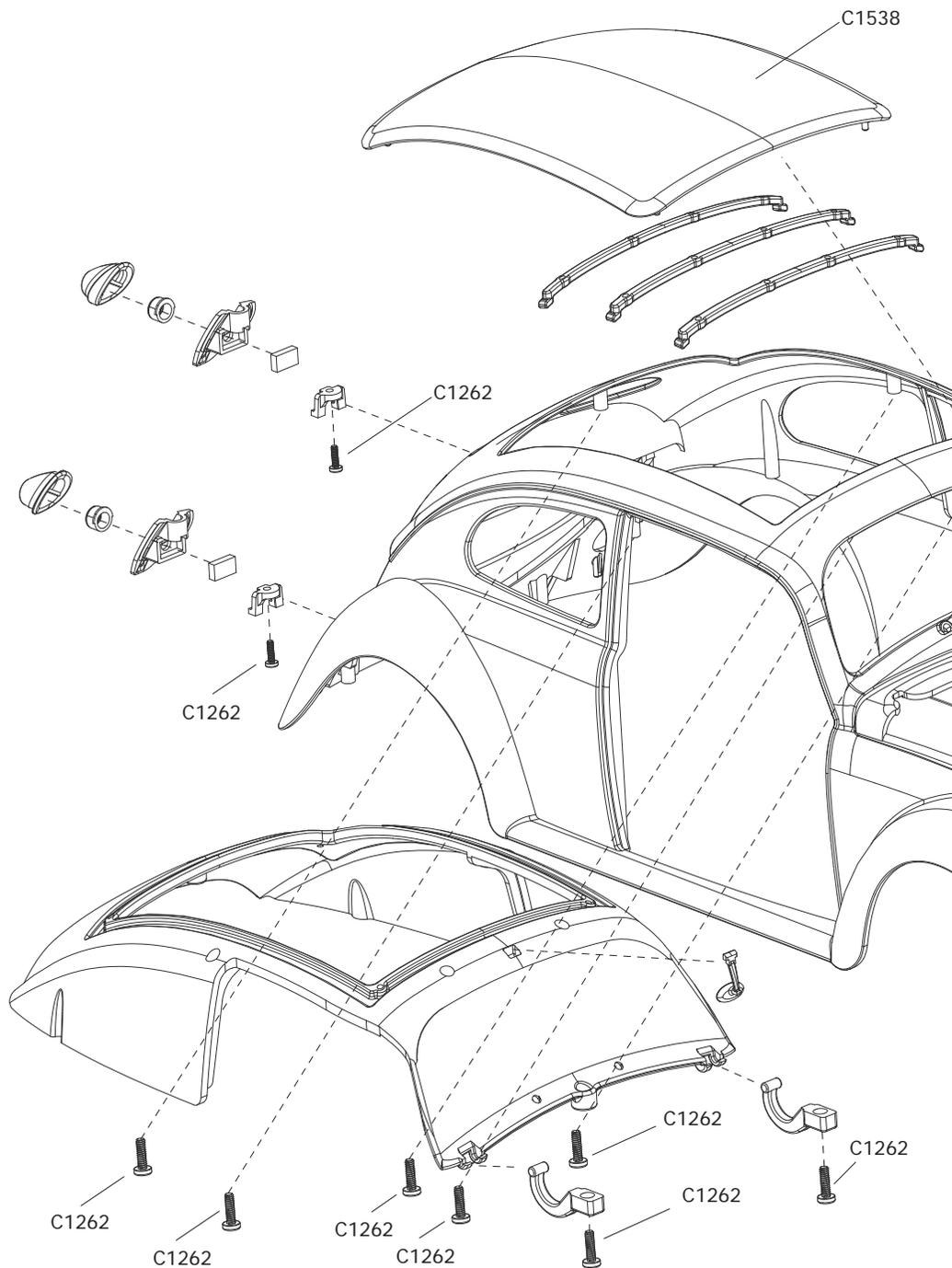
(CN)轮胎组

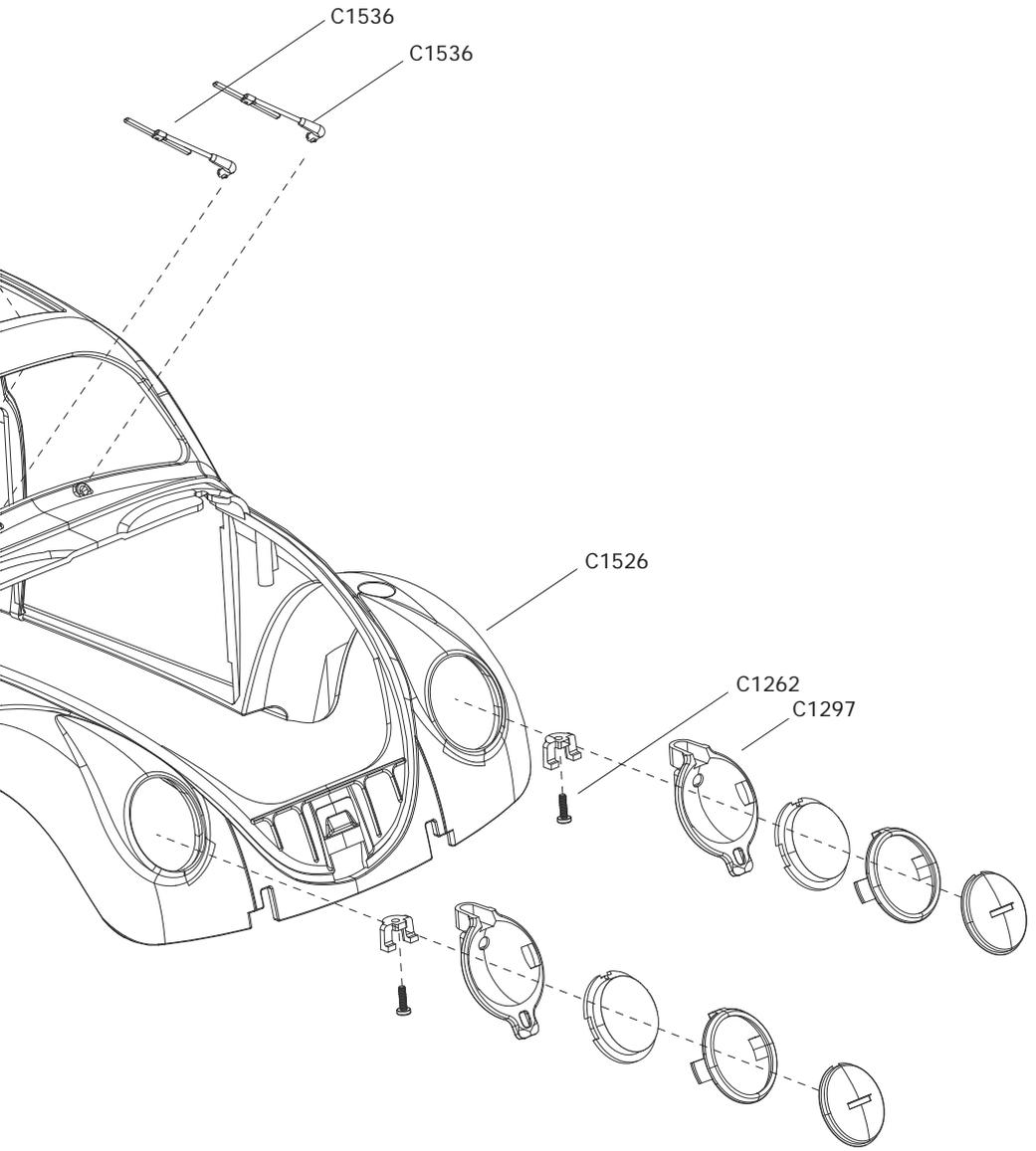


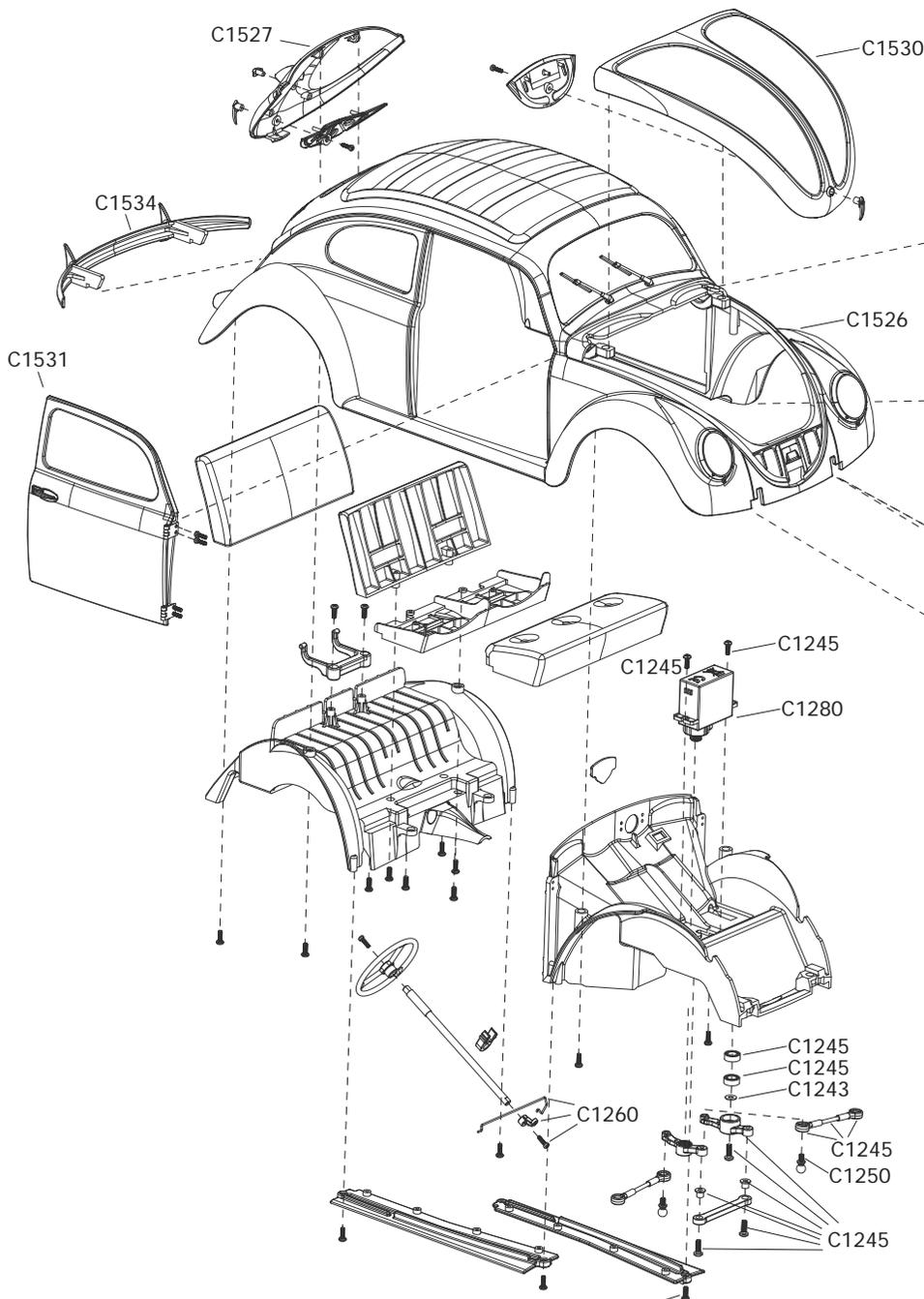


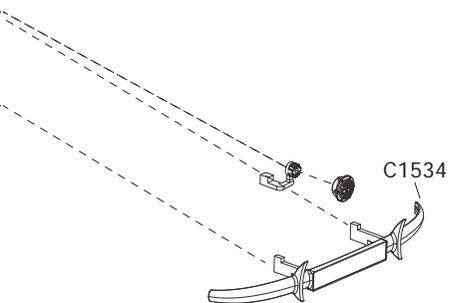
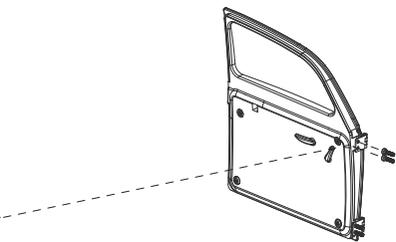


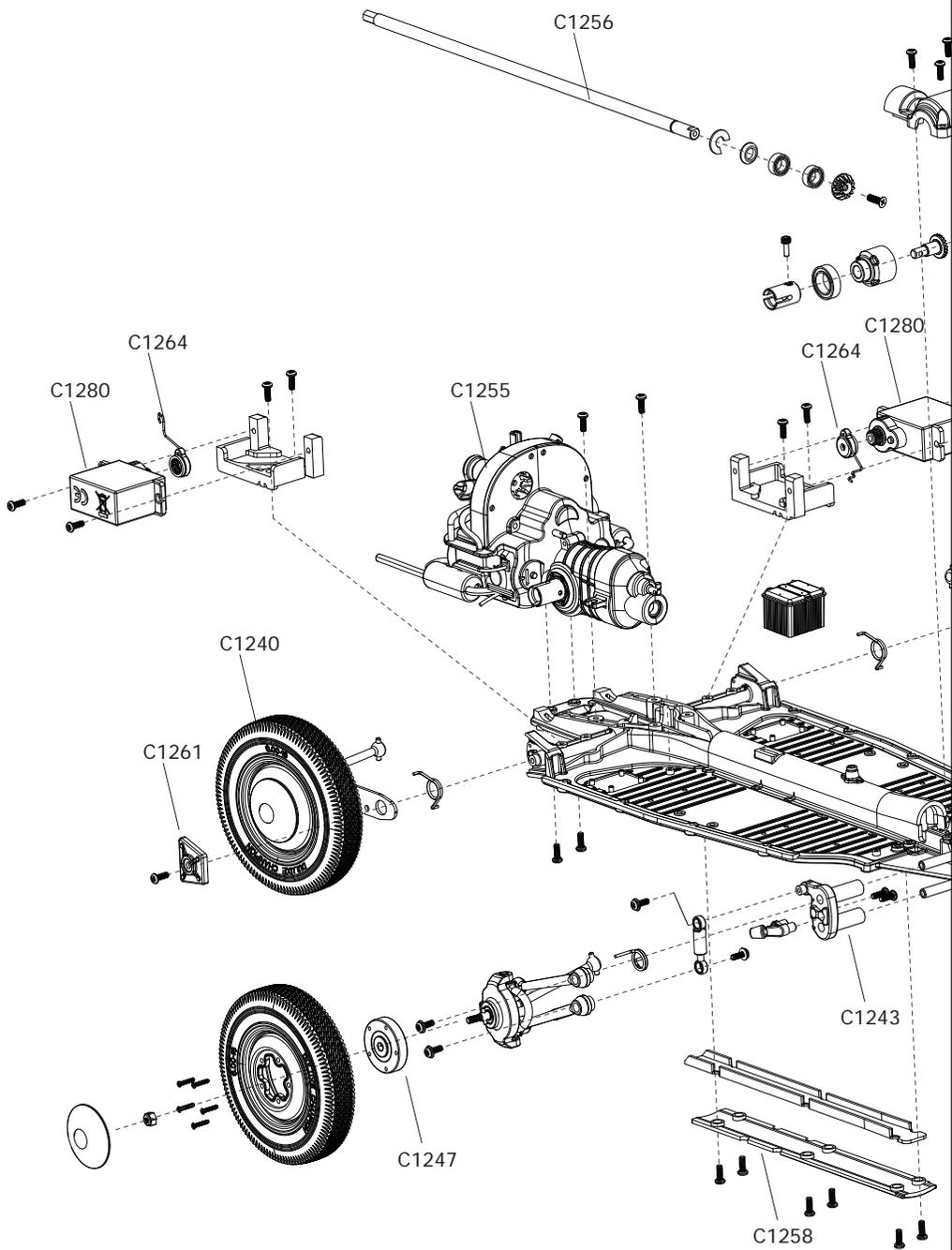


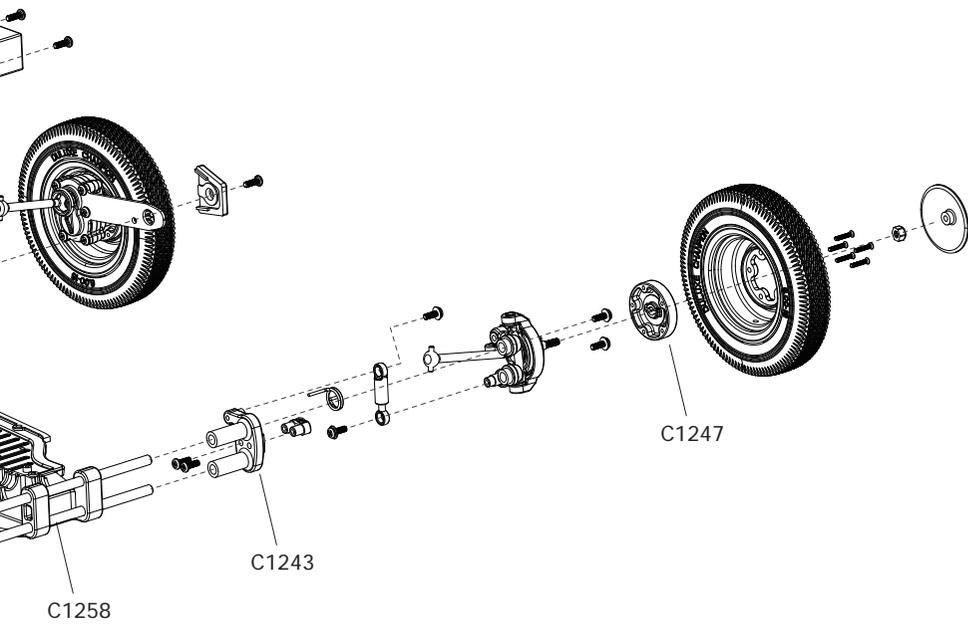
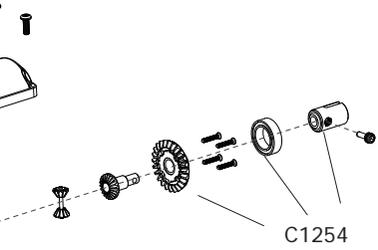






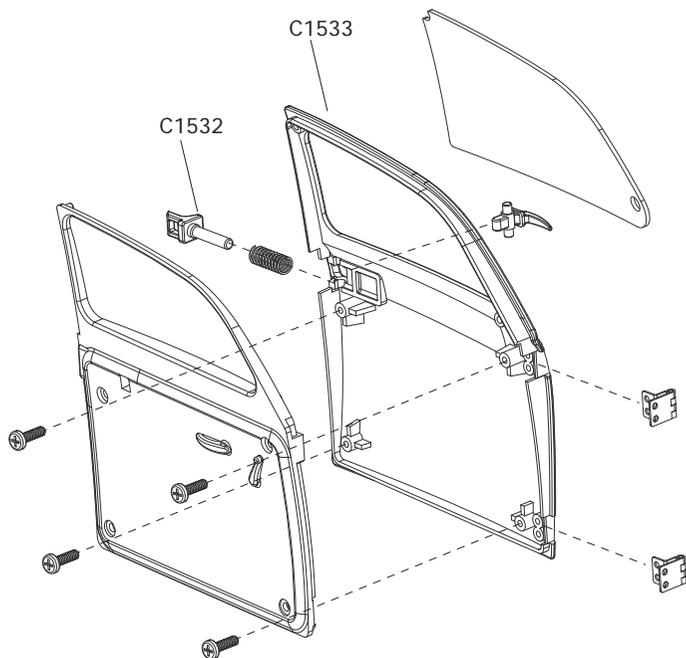






(EN)Left Door

(CN)左车门



(EN)Right Door

(CN)右车门

