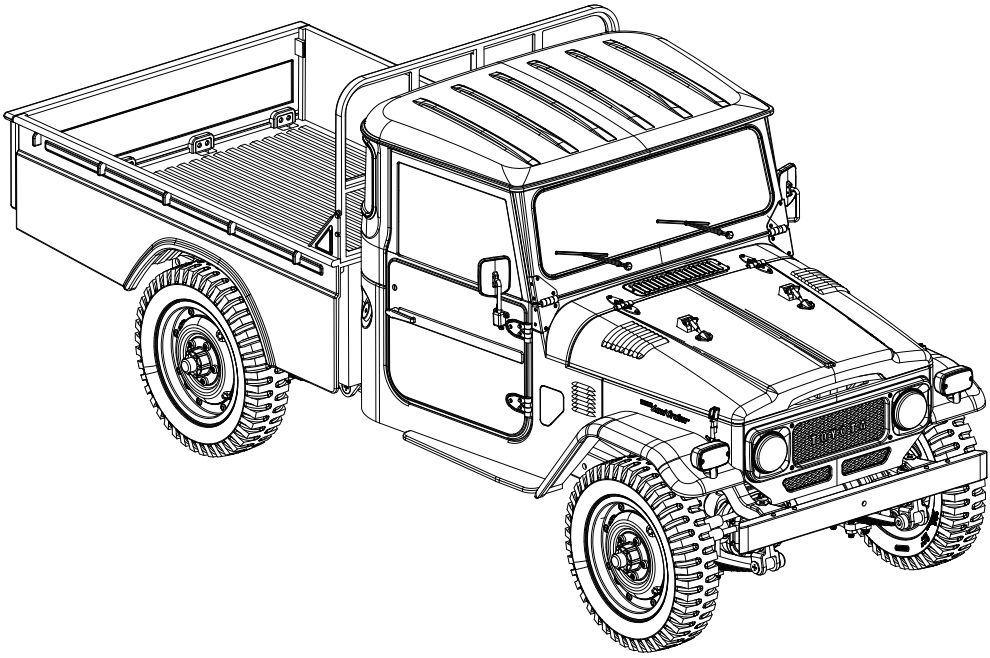
1:12
TOYOTA FJ45
PICK-UP



Instruction Manual
操作手册

SPECIFICATION

Length: 345mm	Height:124mm	Ground clearance: 29mm	Departure angle:29.9°
Width: 127mm	Wheel base: 270mm	Approach angle: 58°	

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. FMS 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 ause 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 servos 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

About Model

IIn the 1960s, Jeep's leading model, the CJ5, was still bathed in the glory of war. The Wagoneer, the originator of luxury SUVs, had made its first sound, Detroit Ford Bronco and Chevrolet Blazer followed. At this time, in the field of the world auto industry, the United States is the undoubtedly leader, and there is nothing else in the field of 4WD off-road vehicles. At the same time, on the other side of the Pacific Ocean, at the foot of Mount Fuji, a square and simple off-road vehicle rolled off the Toyota production line, and a legendary story begins here.

The FJ45 pickup is a derivative model with a longer wheelbase and a car hopper on the basis of the FJ40. It was launched in 1963 and integrates the characteristics of low energy consumption and high cost performance in the Toyota gene. It's not as ostentatious as an American car, but it's also very attractive, showing Toyota's own style. Although it is not strong in terms of performance, it is stable and reliable, and there are countless cases in which it has been in service for more than 30 years. Even if you have to cross mountains and seas, people believe that this car will definitely arrive safely. The shape of the long oval grille with round headlights has become a cultural symbol and a synonym for off-road, just like Jeep's seven-hole grille.

FMS super-finely restores the real car, and the degree of restoration is no less than that of the static model. The hood hinge is the same living hinge as the real car, and it looks slim and beautiful on the 1/12 model car. The motor, steering servo and 2-in-1 integrated ESC / receiver are all hidden under the hood, and the battery is also here, for easy installation. The doors on both sides can be opened, the front windshield can be folded forward, if the roof is removed at the same time, it can be transformed into a convertible shape. If the screws on the slender hinges of the doors are removed, the doors can be removed, showing a more simple and wild performance. At this time, the cockpit is more transparent, the steering linkage action of steering wheel can be seen at a glance, and it is also more convenient to carry 1/12 flexible figures.

The cargo bucket is very wide, showing the true nature of the working vehicle, and can cope with different loads by increasing or decreasing the number of leaf springs. The two-speed gearbox provides powerful torque. Metal gears carry power, with bearings all over the whole vehicle, allow it moving forward slowly even if it is fully loaded with gravel. The TOYOTA logo on the rear of the car restores the stereoscopic stamping effect of the steel plate of the real car. The tailgate can be opened to load extra-long "cargo". There are two sets of taillights on the left and right of the tailgate, each set includes a turn signal, a brake light, and a reversing light. With the input of the light control button on the transmitter, the linkage effect is consistent with the driving action. The front headlights have linkage effect of far and near beam and turn signal.

The scaled RC vehicle is fascinating, but it is extremely cumbersome to assemble, thus most of these products on the market are provided in the form of “kits” and require users to assemble them up - the assembly process is also a joy for many users. However, painting is still a problem for those users. FMS decided to do more. The product is presented in the form of painting completed and assembling completed, and it is an RTR product that can be played at hand. Users who like to be different do not have to be frustrated.The car shell will be provided in the form of accessories. You can re-create and redefine this car. We are excited to see your creation and sharing.

Features

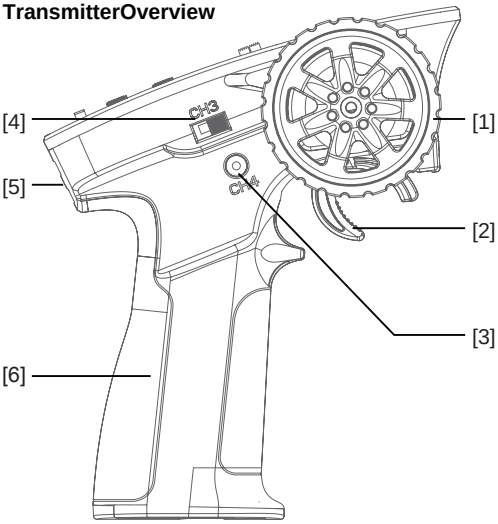
- READY TO RUN MODEL
- TWO SPEED TRANSMISSION
- BALL BEARINGS FULL SET
- POLYSTYRENE BODY
- NICE PAINTED BODY
- HOOD CAN BE OPENED
- BOTH SIDE DOORS CAN BE OPENED
- TAILGATE CAN BE OPENED
- SUPER EXQUISITE INTERIOR
- STEEL C-CHANNEL FRAME
- LEAF SPRING SUSPENSION
- REMOTE CONTROL LIGHTING SYSTEM
- 180 MOTOR

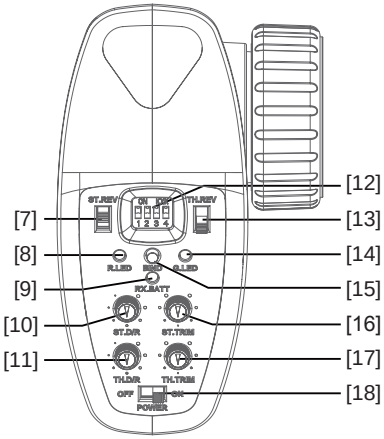
Transmitter intruction

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.

TransmitterOverview



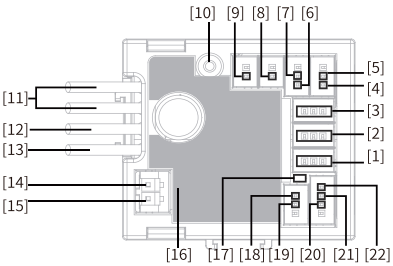


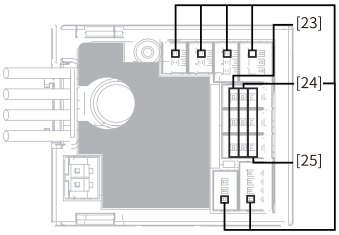
[1]	Steering wheel, 35 degrees on each side (CH1)	[10]	ST.D/R
[2]	Throttle trigger, 25 degrees in front and 12.5 degrees at rear (CH2)	[11]	TH.D/R
[3]	Click (CH4) [Click for the lighting effect function, long press for other functions, such as two/four-wheel drive switching]	[12]	Switch to the electric 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（Steering wheel reverse)	[16]	ST.TRIM
[8]	R.LED (Power indicator)	[17]	TH.TRIM
[9]	RX.BATT	[18]	Power Switch

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

Overview





[1] CH1

[2] CH3

[3] CH4

[4] Left-turn light port

[5] Head light port

[6] Right-turn light port

[7] Head light port

[8] Fog light port

[9] Fog light port

[10] Antenna

[11] Power switch

[12] Battery line anode

[13] Battery line cathode

[14] Motor port "M+"

[15] Motor port "M-"

[16] Stickers

[17] LED

[18] Left-turn light port

[19] Right-turn light port

[20] Reversing light port

[21] Stop light interface

[22] Tail light interface

[23] Channel signal end

[24] Power anode

[25] Power 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 netural 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 netural 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 netural 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 netural 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		
		Reversing white lights		○	○	○	○	○	Throttle linkage control	Reverse lights are on amid reverse operation
	Turn signal	Left turn orange light		OFF	○	○	○	○	Direction linkage controL	3 left turn signals automatically blink in the left turn with a 1-sec flashing frequency, namely on 0.5 sec and off 0.5 sec.
		Right turn orange light		OFF	○	○	○	○	Direction linkage controL	3 left turn signals automatically blink in the left turn with a 1-sec flashing frequency, namely on 0.5 sec and off 0.5 sec.

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

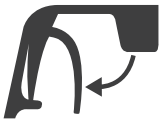
After setting up, follow the instructions below to operate the system.
1. Automatic code matching (the transmitter and receiver have been successfully coded before leaving the factory.)
If you need to replace another transmitter or receiver, please follow the following steps to code:
1. When the transmitter 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

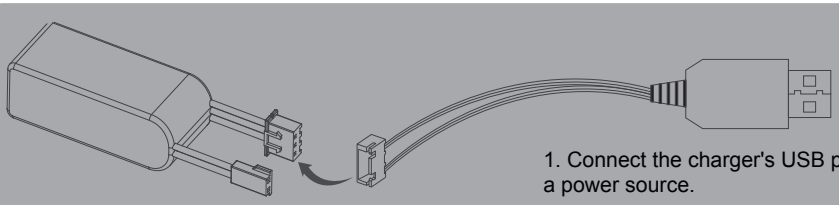
Top point of forward direction



Top point of backward direction

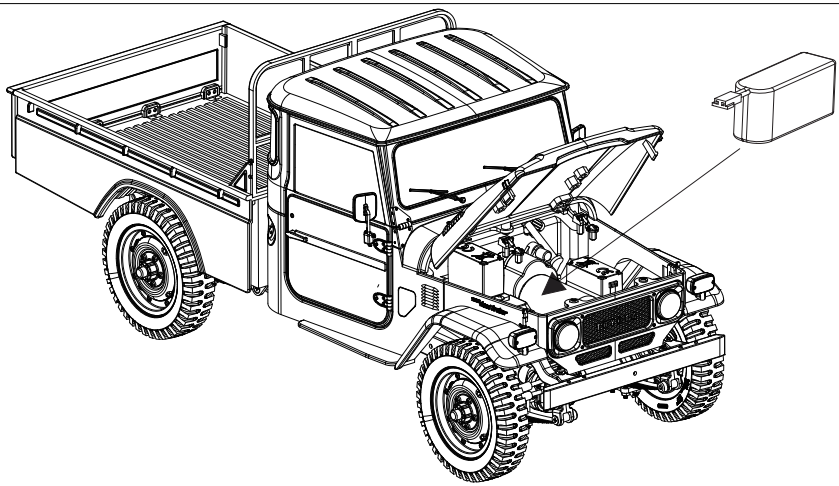
Charging the Battery

1.Connect the charger to a USB port then connect the battery to the charger.
2.When charging,the Green LED is flash, when charged, the Green LED is stable.
3.Do not let the battery charge unattended!
4. If the battery or charger is hot,disconnect the battery and charger immediately as this may be caused by an internal short-circuit.



1. Connect the charger's USB port to a power source.

2. Connect the battery to the charger.



⚠ NOTE

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

Spare parts list

C1338 Tyres
C1339 Front Bumper
C1340 Girder
C1341 Mini Hinge (Right Angle)
C1342 Front Automobile Leaf Springs
C1343 Rear Automobile Leaf Springs
C1344 Mirrors
C1345 Wiper
C1346 Hood
C1347 Windows
C1348 Lens Set
C1349 Wheel Cover
C1350 Seat Assembly
C1351 Window Frame
C1352 Steering Wheel Set
C1353 Handle Set
C1354 Gag Lever Post Set
C1355 Instrument Panel
C1356 Light Cup
C1357 Hopper Bracket Set
C1358 Door Set
C1359 Roof Cover
C1360 Car Boby
C1361 Hopper
C1362 Wheel Assembled (2pcs)
C1363 Center Transmission Gear Box Assembly
C1364 4mm Ball Cap
C1365 Steering Link Set
C1366 Shock Mount
C1367 Shock
C1368 Rear Axle Plastic Parts
C1366 Front Axle Plastic Parts
C1370 Transmission Gear Box Plastic Parts
C1371 Main Gear Box Set Plastic Parts
C1372 Steering C Hub Parts
C1373 Servo Horn Set
C1374 Pinion Gear
C1375 Bush
C1376 11201/11203/11203 Dog Bone
C1377 Main Gear Box Assembly (Black)
C1378 Gear Set
C1379 Cvd Transmission Shaft
C1380 11203 180 Motor
C1381 Screw
C1382 Screw Nut
C1383 Front Wheels Cvd Drive Set
C1384 Rear Wheels Shaft Set
C2131 MG41 + R4A1 Transmitter Receiver Set
C2122 MG41 Transmitter
C2130 R4A1 ESC/RX Combo
C1385 Steering Servo
C1386 Steering Wheel Servo
C1387 Variable Speed Servo
C1388 Led Wire And Pcb
C1389 Lipo Battery 2s 380mah
C1390 TOYOTA FJ45 Logo 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。 FMS 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。

CE

MADE IN CHINA

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

产品介绍

1960年代，吉普麾下当家车型CJ5，还沐浴在战争的荣光中，同门豪华SUV鼻祖，大旅行家（Wagoneer）已初试啼音，底特律财阀福特二世的烈马（Bronco）不甘人后，雪佛兰开拓者（Blazer）从容登场，彼时世界汽车工业唯美国马首是瞻，四驱越野车领域眼中更无余子。便在此时，太平洋对岸，富士山脚下，一辆外形方正，气质憨厚的越野车驶下丰田汽车的生产线，一代传奇的故事就此展开。FJ45皮卡是在FJ40的基础上加长轴距，安装货斗的衍生车型，1963年上市。集成了丰田车基因里低能耗和高性价比的特质。外形不像美国车那么张扬，却也十分耐看，走出了丰田自己的风格。性能方面虽谈不上强劲，但稳定可靠，日常使用三十年以上的案例不胜枚举。跨过山和大海，人们相信这辆车绝对能安全到达。长长的椭圆格栅配原型大灯的造型和吉普的七孔格栅一样成为一个文化符号，一个越野的代名词。

FMS超精细仿真还原实车，效果不输静态模型。引擎盖活动铰链是和实车一样的合页，在1/12的比例上显得十分纤细，电机、转向舵机和接收电调二合一系统皆隐于引擎盖下，电池也在这里，安装十分方便。两侧车门可以打开，前风挡可以向前放倒，此时如果配合摘掉车顶，可变身为敞篷形态，如果进一步拆除车门纤细合页上的螺丝便可卸掉车门，呈现出更朴素野性的形态。此时的驾驶舱更加通透，FMS招牌的方向盘转向联动效果一览无余，同时也更加方便搭载1/12的可动人偶。

后面的货斗十分宽大，尽显工作车本色，通过增减钢板弹簧的数量可应对不同载荷，两档变速箱提供强大的扭矩，全车金属齿轮承送动力，标配全车轴承，即使满载砂石也能徐徐前进。车尾TOYOTA的标识还原了实车钢板的冲压效果，立体感十足，打开尾门后，更可以装载超长“货物”。合上尾门可见左右各一组尾灯，每组包含1个转向灯、1个刹车灯、一个倒车灯，随着遥控器上灯控按钮的控制呈现与行驶动作一致的联动效果，前面的车头灯有远近光和转向灯联动效果。

像真遥控车令人着迷，但装配极为繁琐，所以市面上的同类产品大多以散件形式提供，需用户自行组装——组装过程也是很多用户的乐趣。然而涂装仍是大多数人的困扰。因此我们决意做得更多。产品以涂装完成并百分之百组装完成品的形态呈现，是到手即可玩耍的RTR产品。但是喜欢个性的用户也不必担心，车壳会以配件的形式另外提供，玩家可以重新制定独一无二的个性涂装，我们期待您的分享。

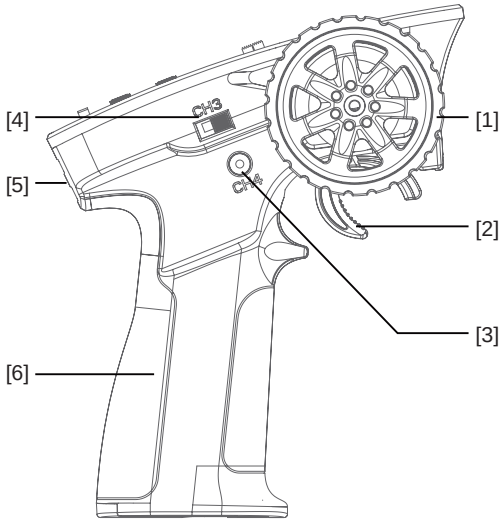
产品特点

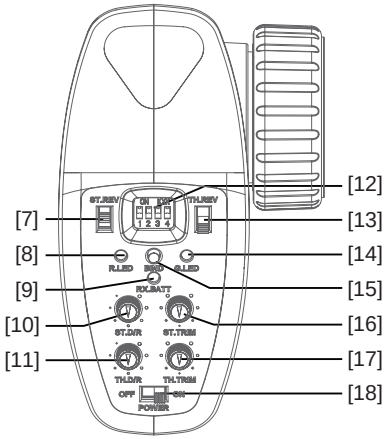
- RTR组装完成品
- 微型两档机械变速
- 全车滚珠轴承
- 仿真硬塑料车壳
- 引擎盖可开启
- 两侧车门可开启
- 尾门可以开启
- 超精美内饰
- 金属C形大梁
- 钢板弹簧悬挂
- 遥控灯光系统
- 180大扭力电机

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

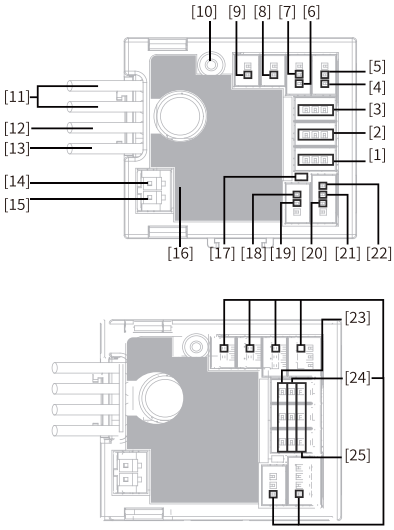




[1]	方向手轮，左右各35度（CH1）	[10]	方向舵量调节旋钮（ST.D/R）
[2]	油门扣机，前25度后12.5度（CH2）	[11]	油门舵量调节旋钮（TH.D/R）
[3]	按键开关CH4（单击为灯效功能，长按为其他功能，如二/四驱切换。）	[12]	拨码开关（切换电调的工作模式）
[4]	三档拨动开关（CH3）	[13]	油门倒置开关（TH.REV）
[5]	挂绳孔	[14]	状态指示灯绿色LED(G.LED)
[6]	手柄，4*AAA电池仓	[15]	对码按键（BIND）
[7]	方向倒置开关（ST.REV）	[16]	方向微调旋钮（ST.TRIM）
[8]	电源指示灯红色LED(R.LED)	[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
[2]CH3通道接口
[3]CH4通道接口
[4]左转灯接口
[5]前灯接口
[6]右转灯接口
[7]前灯接口
[8]雾灯接口
[9]雾灯接口
[10]天线
[11]电源开关
[12]电池线正极
[13]电池线负极
[14]马达接口”M+”
[15]马达接口”M-”
[16]贴纸
[17]LED指示灯
[18]左转灯接口
[19]右转灯接口
[20]倒车灯接口
[21]刹车灯接口
[22]尾灯接口
[23]通道信号端
[24]电源正极
[25]电源负极

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℃—+60℃
- •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。

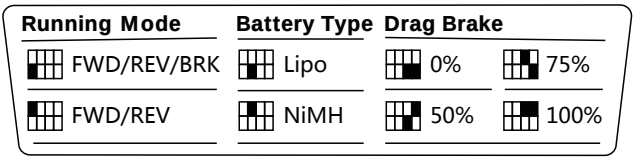
•使用完毕后，若长时间不玩车，切记断开电池与电调的连接。如电池未断开，即使电调开关处于关闭状态，电调也会一直消耗电能（只是非常小），长时间连接电池最终会被过放，进而导致电池或电调出现故障。我们不对因此而造成的任何损害负责！

•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



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

				按次数						
按钮	车灯位置	功能	开机默认关闭	I	II	III	IV	V	控制方式	备注
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		
		倒车白灯		○	○	○	○	○	油门联动控制	倒车操作时倒车灯亮
	转向灯	转向橙灯		关闭	○	○	○	○	方向联动控制	左转向时左边3个转向灯，自动闪烁，闪烁的频率是1秒，即亮0.5秒，灭0.5秒。
		转向橙灯		关闭	○	○	○	○	方向联动控制	右转向时左边3个转向灯，自动闪烁，闪烁的频率是1秒，即亮0.5秒，灭0.5秒。

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。

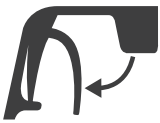
2.将开关拨到 [OFF] 位置，使发射机关闭。

⚠ 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

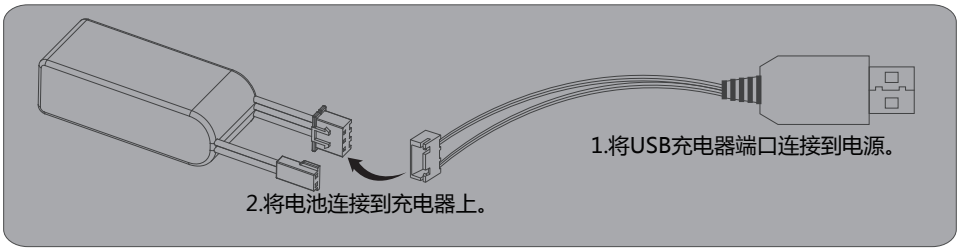
电池充电

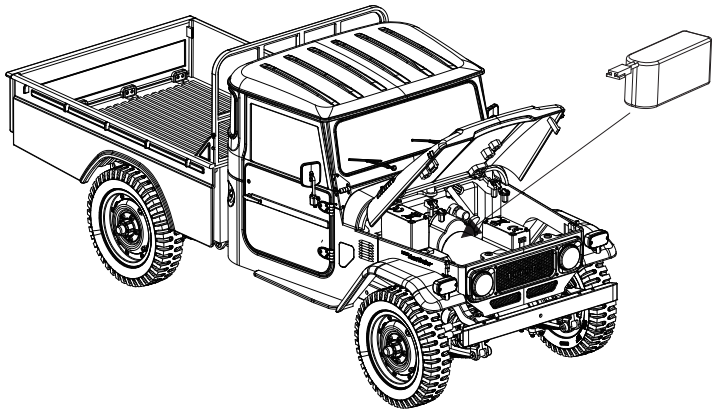
1.将充电器连接到USB端口，然后将电池连接到充电器电源线上。

2.充电时，LED灯状态为红色，充电完成时，LED灯状态为绿色 。

3.请勿在无人看管的情况下充电!

4.如果发现电池或充电器温度过热，请立即断开电池和充电器，因为这可能是由内部短路引起的。



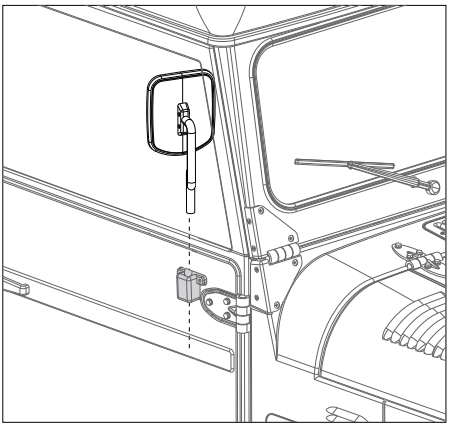


⚠ 注意	1. 如果长时间不使用本产品，请断开电池连接，并将电池取出，以防漏液。 2. 给电池充电之前，请务必保证电池已断开连接，并已从车辆上取下。 3. 不要打开、拆解或试图维修电池。

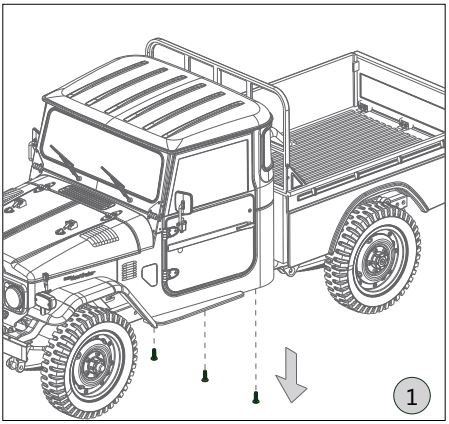
配件列表

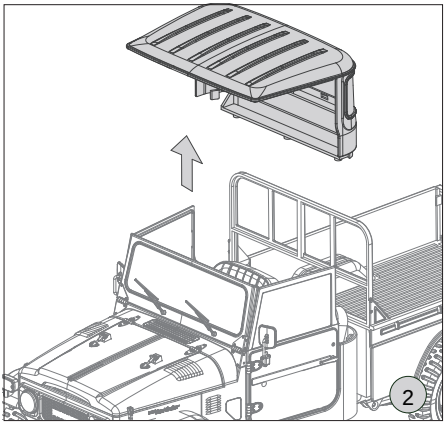
C1338	轮胎
C1339	前防撞
C1340	金属大梁
C1341	金属合页(转角)
C1342	前钢板弹簧
C1343	后钢板弹簧
C1344	后视镜
C1345	雨刷
C1346	引擎盖
C1347	窗玻璃
C1348	灯片
C1349	轮芯盖
C1350	座椅套装
C1351	车窗架
C1352	方向盘套装
C1353	手柄
C1354	档杆
C1355	仪表盘
C1356	灯杯
C1357	车斗支架
C1358	车门
C1359	车顶盖
C1360	车壳
C1361	车斗
C1362	车轮组装成品 两个
C1363	中转牙箱成品 (黑色)
C1364	4mm 波帽
C1365	转向杆
C1366	钢板锁件 (黑色)
C1367	避振件 (黑色)
C1368	后桥胶件 (黑色)
C1366	前桥胶件(黑色)
C1370	分动牙箱胶件(黑色)
C1371	牙箱胶胶件(黑色)
C1372	C座(黑色)
C1373	摇臂套装(黑色)
C1374	电机齿
C1375	轴套
C1376	短骨
C1377	驱动牙箱总成(黑色)
C1378	齿轮套装
C1379	万向转动轴总成
C1380	180电机
C1381	螺丝套装
C1382	螺母
C1383	前轮CVD驱动五金
C1384	后轮轴五金
C2131	MG41 + R4A1 发射器/电调接收器
C2122	MG41 发射器
C2130	R4A1 电调接收器
C1385	转向舵机
C1386	方向盘舵机
C1387	換档舵机
C1388	灯线
C1389	电池7.4V 2S 380mAh带电子板
C1390	丰田FJ45 Logo

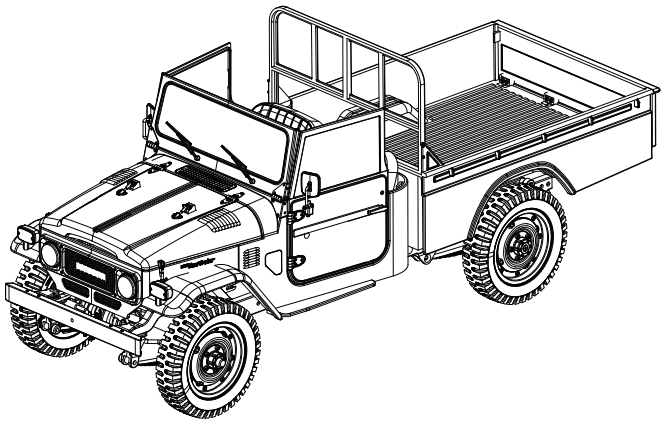
EN:Rearview mirror installation　CN:后视镜安装



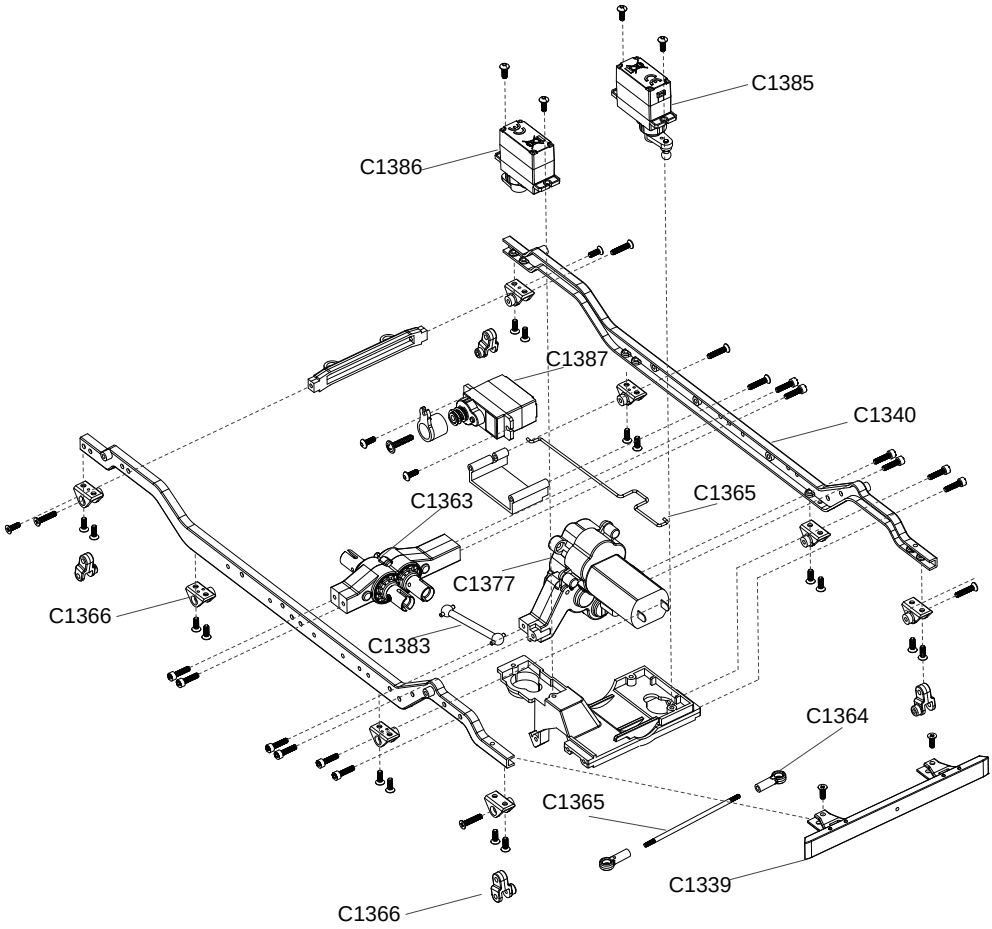
EN:Removable Roof　CN:顶棚拆卸



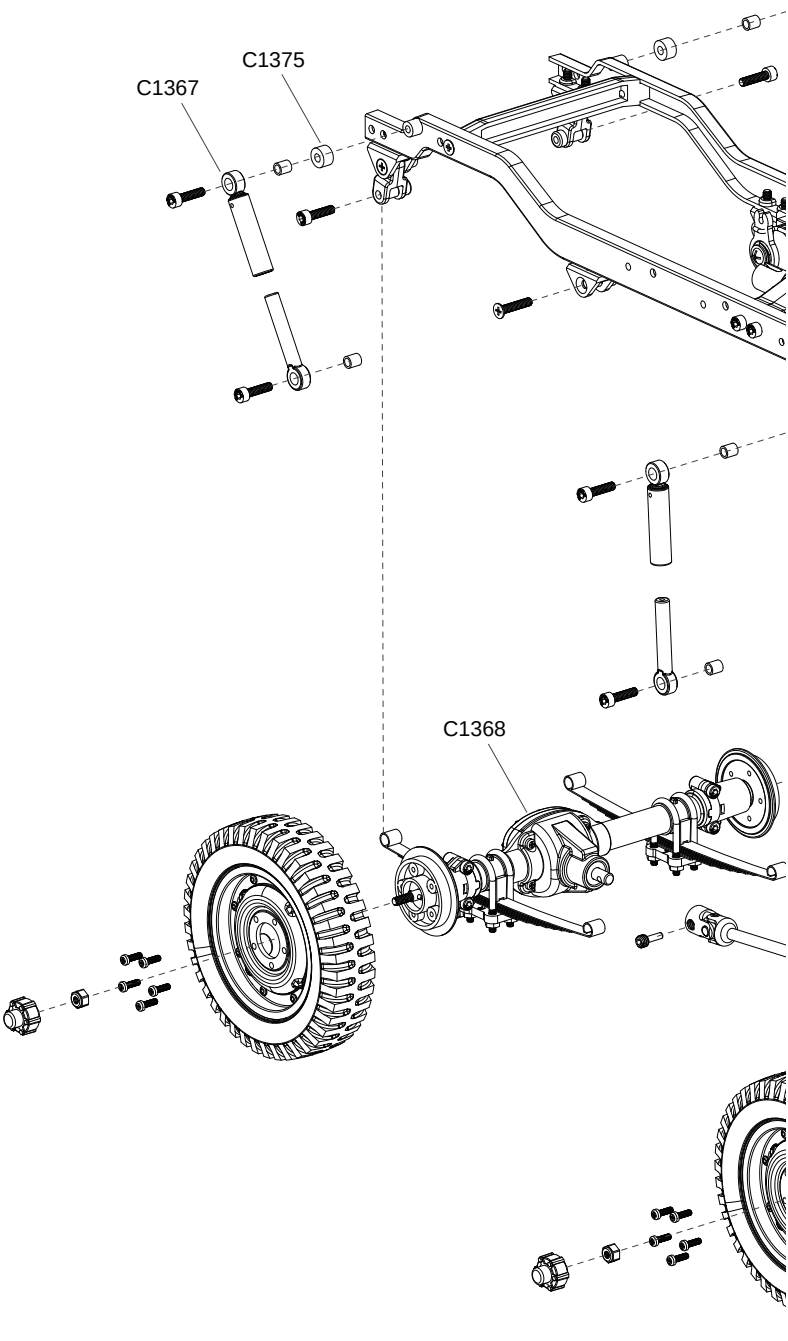


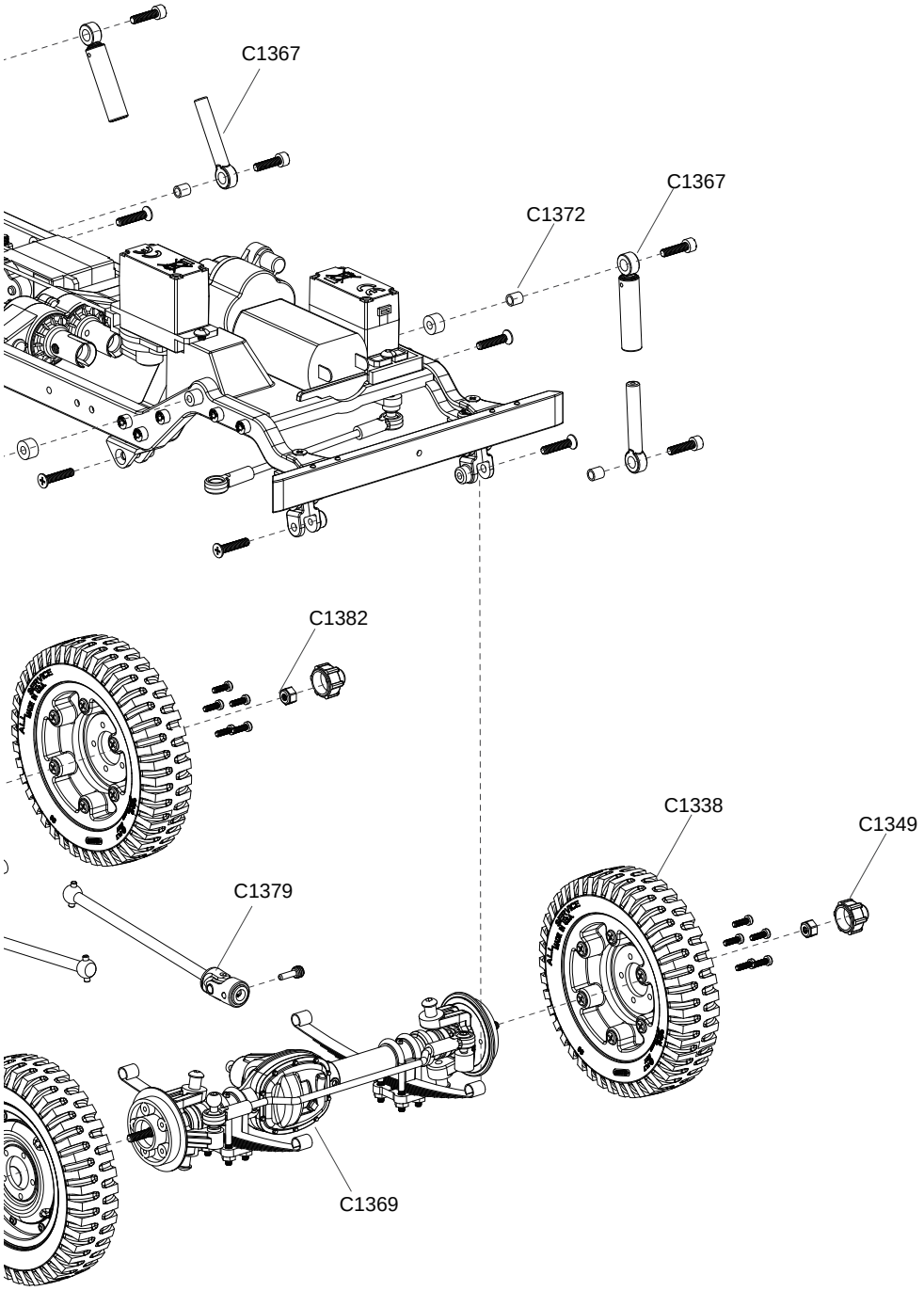


EN:Semi-finished Frame Set　　CN:车架半成品组

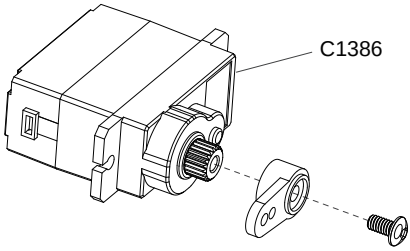


EN:Finished Frame Sets CN:车架成品组

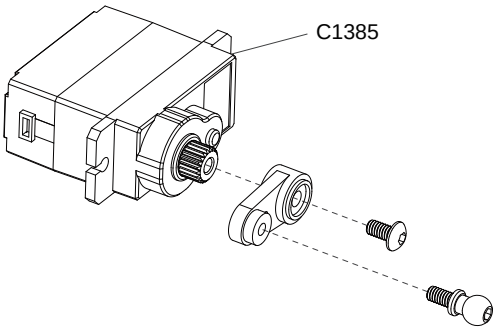



C1367
C1367
C1372
C1382
C1338
C1349
C1379
C1369

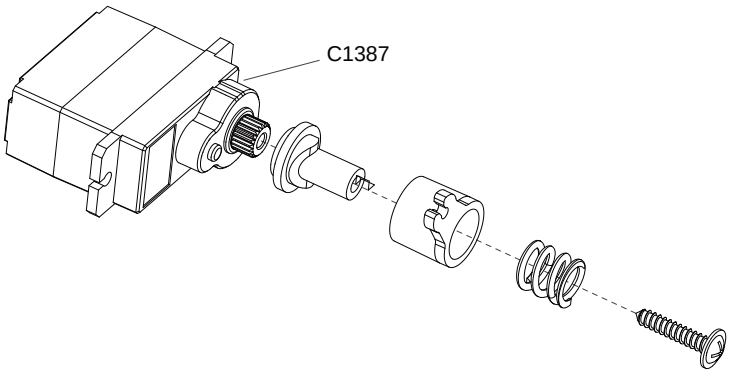
EN:Steering Wheel Servo　　CN：方向舵机



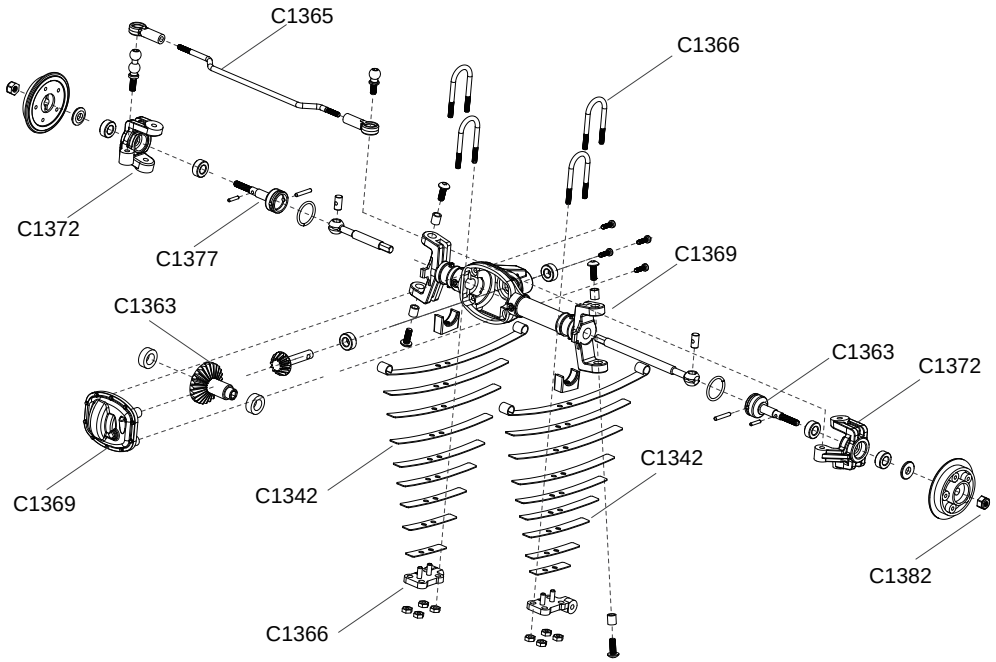
EN:Steering Servo　　CN：转向舵机



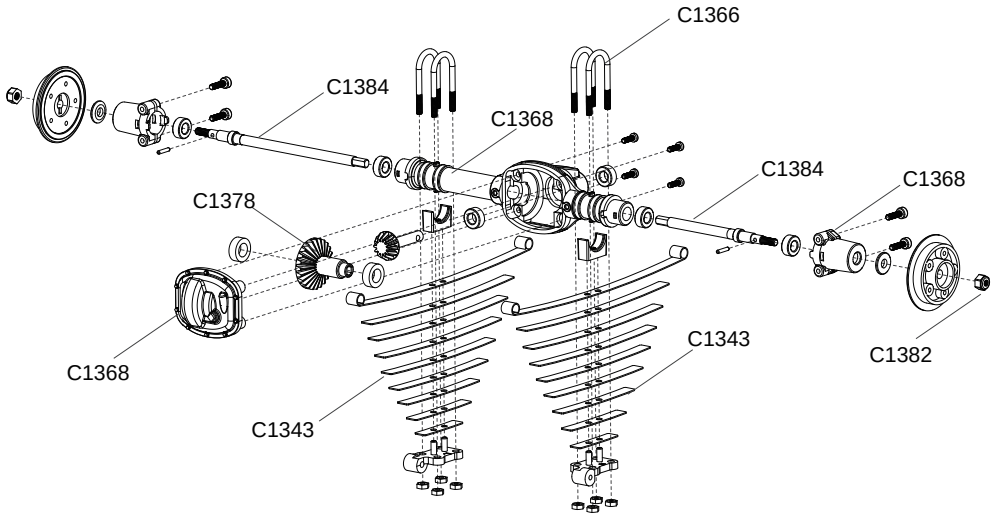
EN:Variable Speed Servo　　CN：换挡舵机



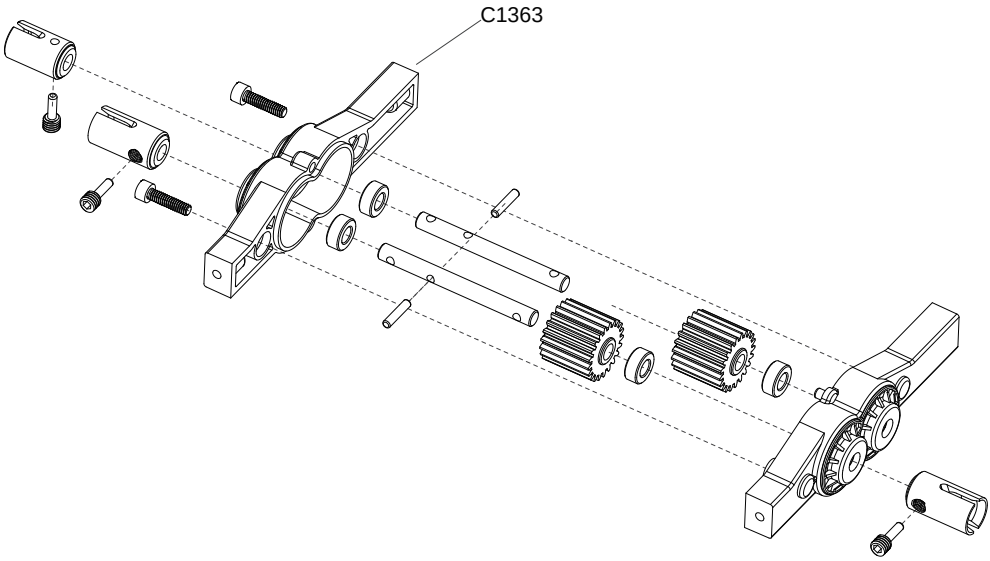
EN:Front axle CN:前桥组



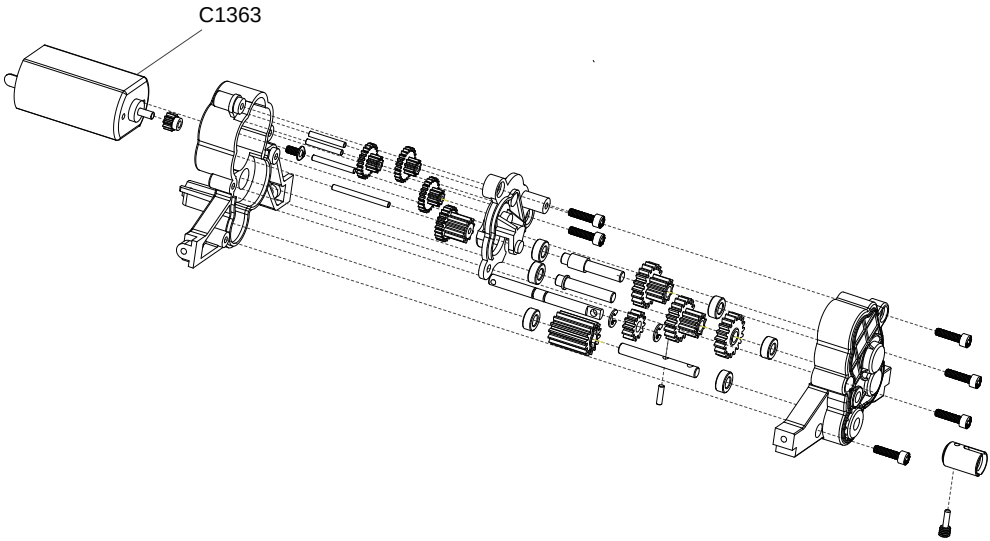
EN:Rear axleV CN:后桥组



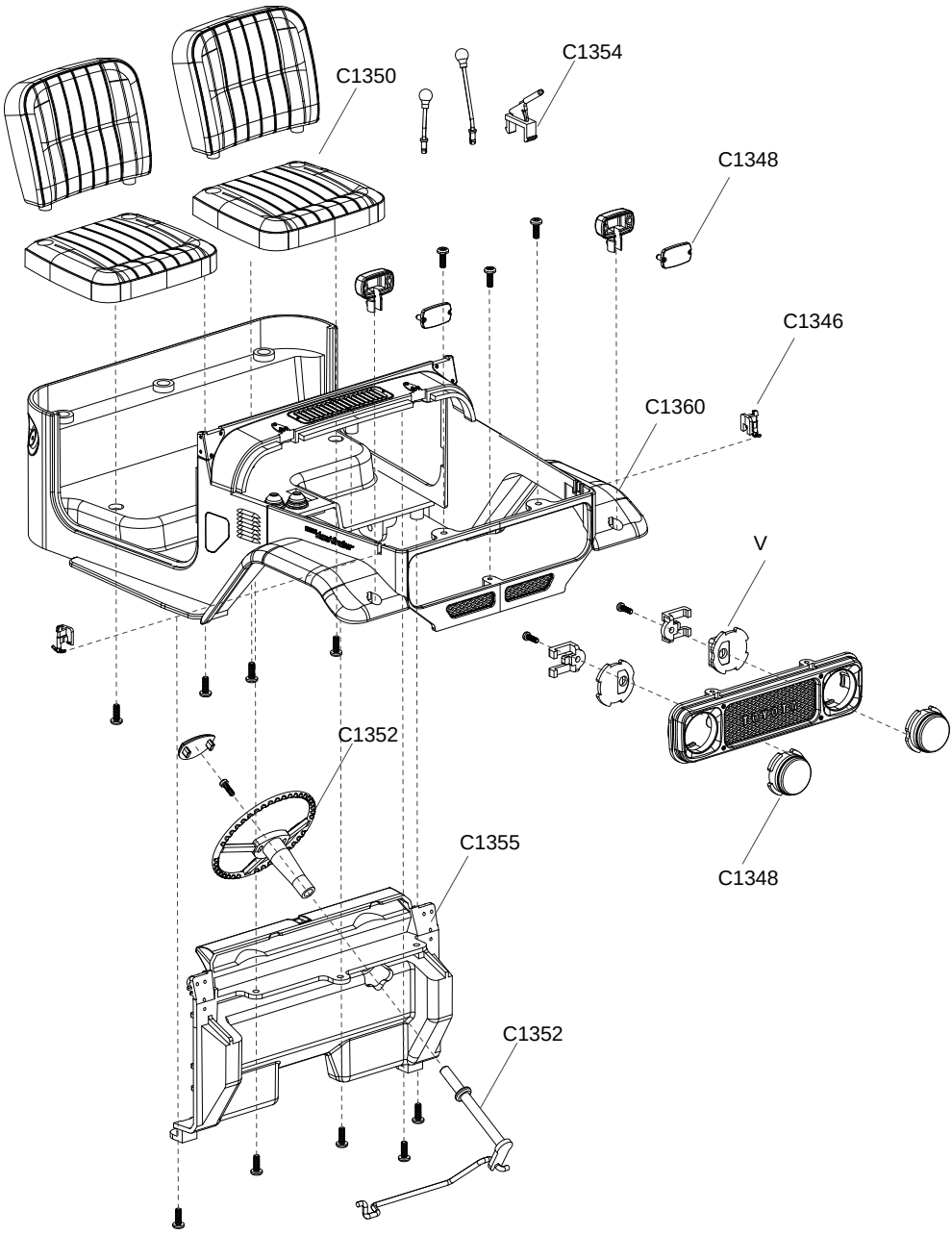
EN:Center Transmission Gear Box Assembly CN:中转牙箱成品



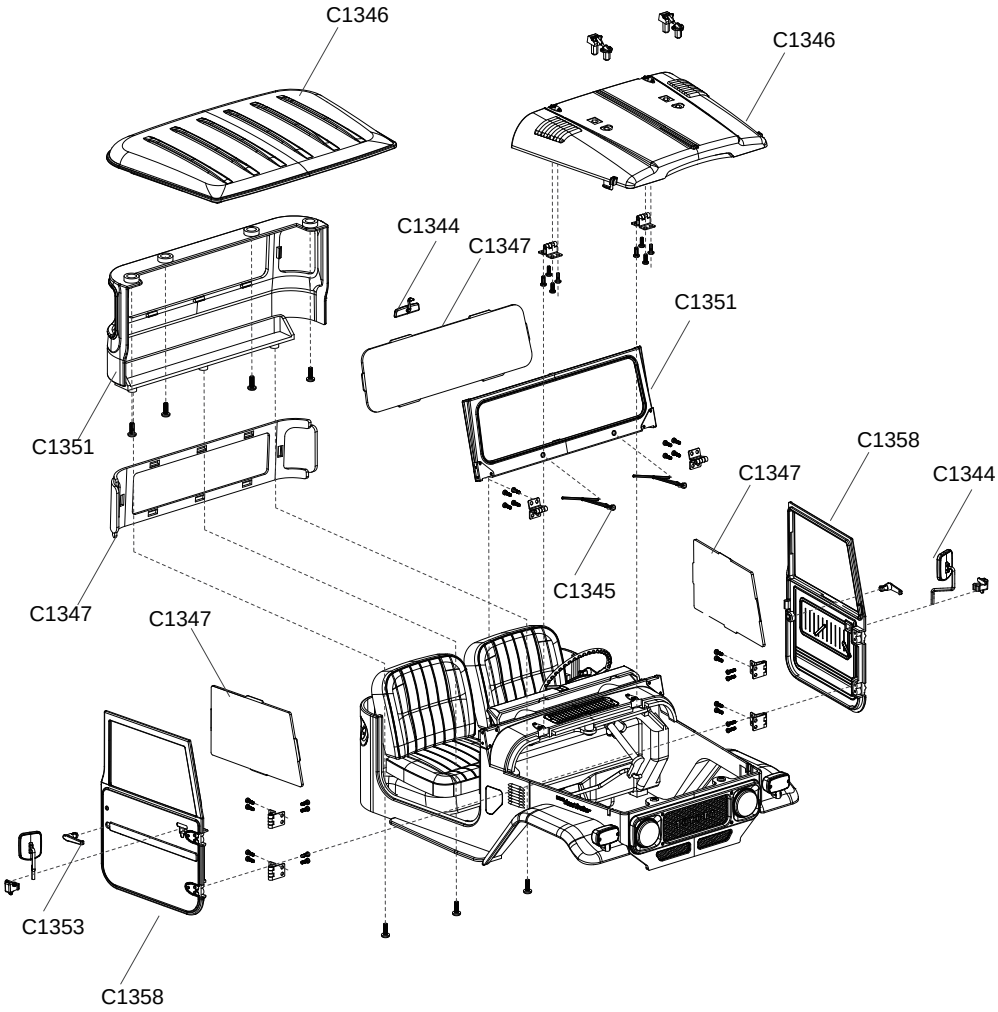
EN: Main Gear Box Assembly CN:驱动牙箱总成



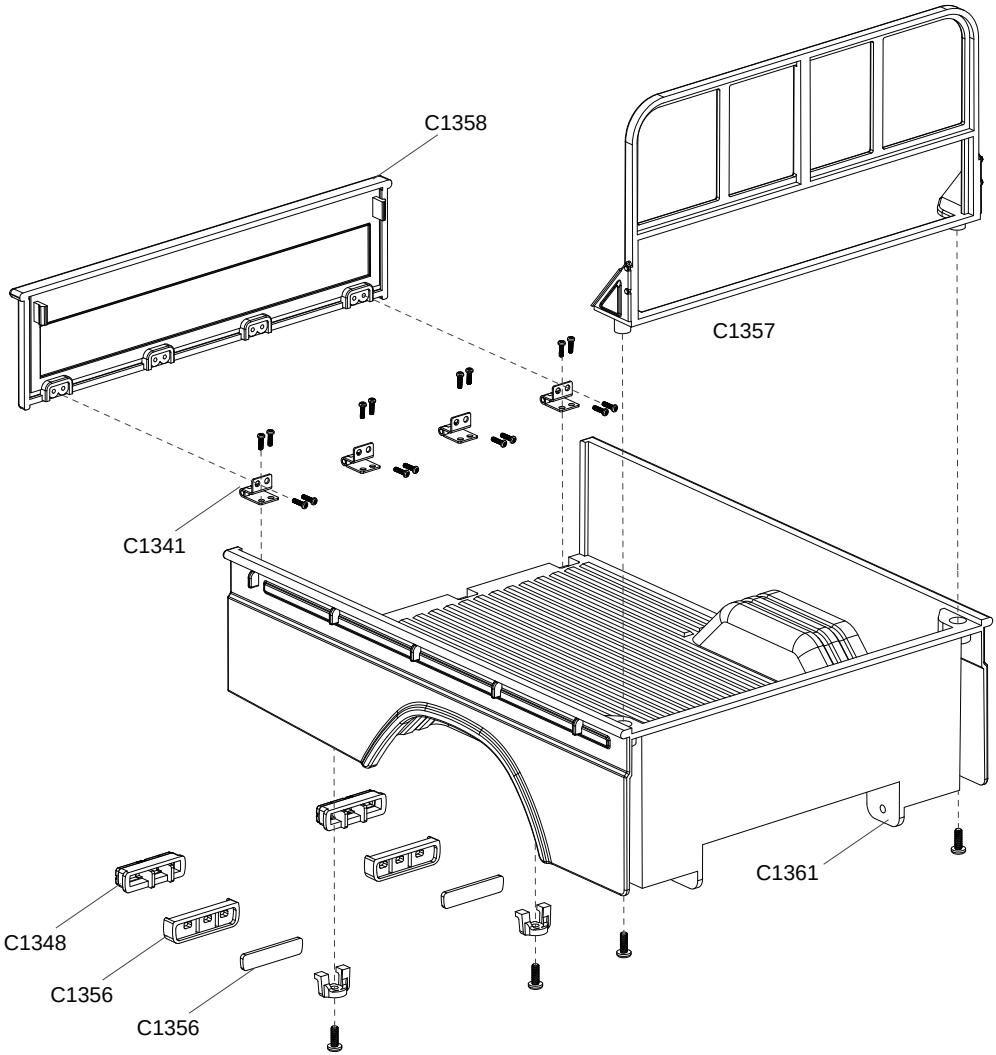
EN:Hard Body Set　　CN:车头半成品组



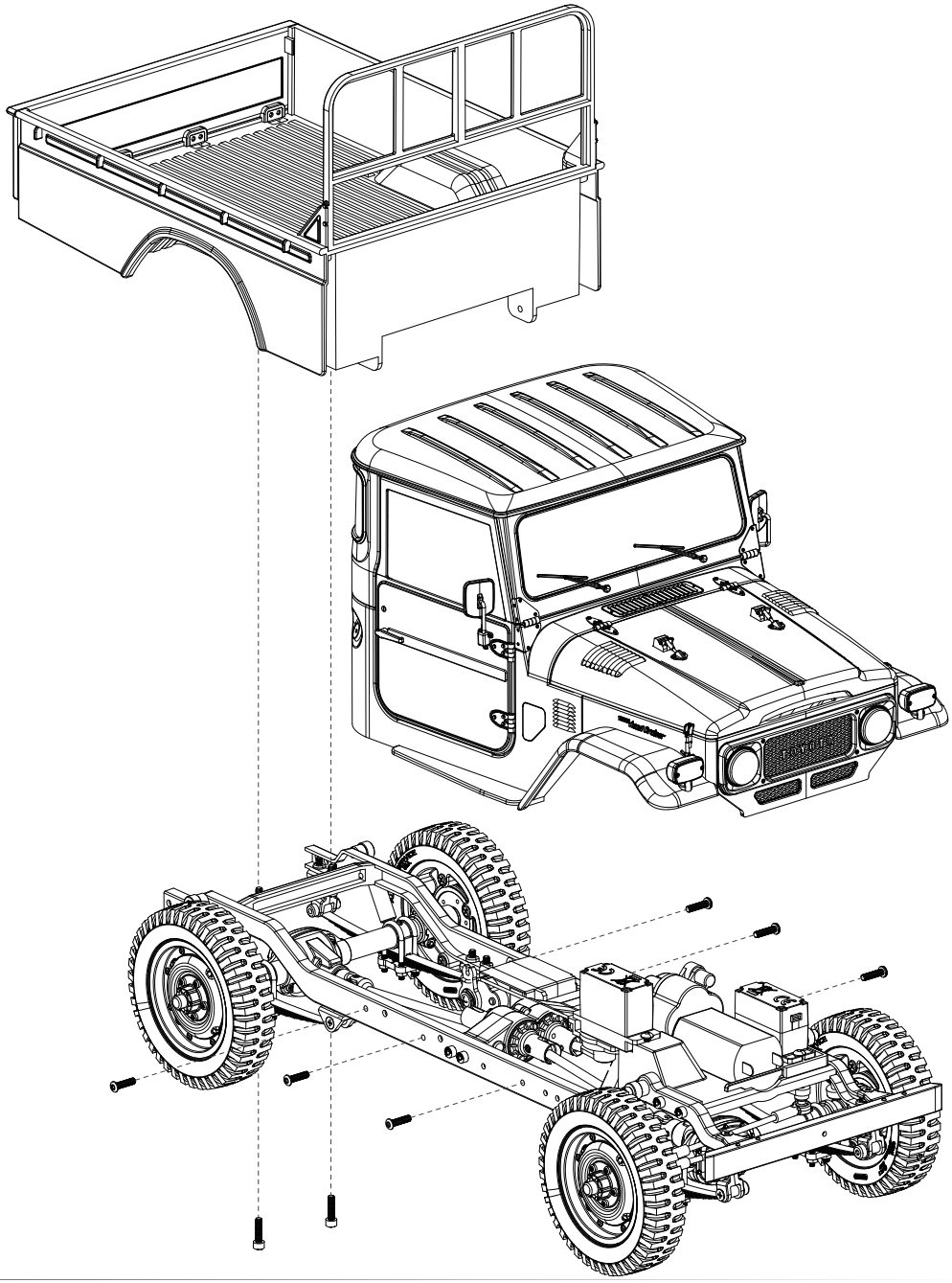
EN:Hard Body Complete Set　　CN:车头组



EN:Hopper CN:车斗组



EN:Vehicle Complete set　　CN:整车组



MADE IN CHINA