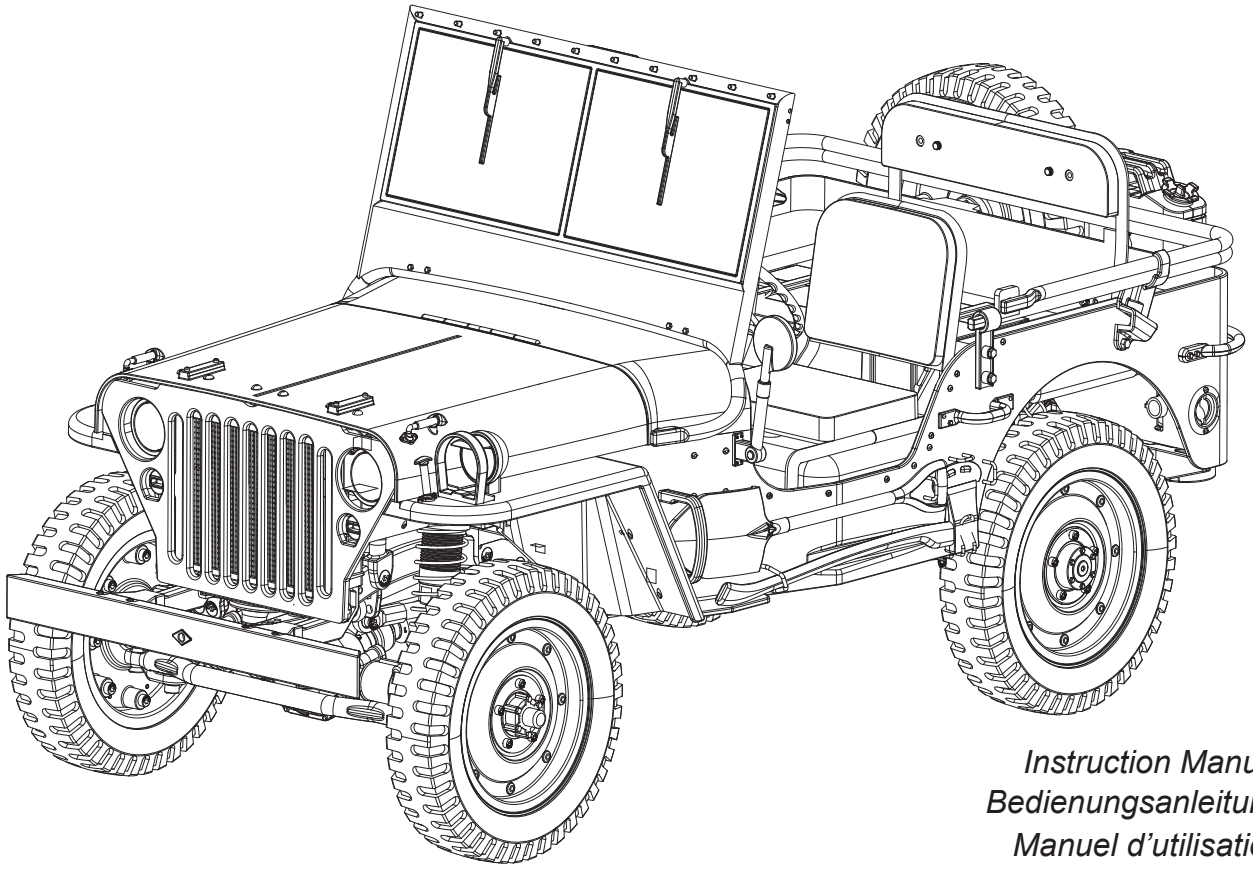
ROCHOBBY

# 1:6 1941 MB SCALER

（PNP version does not include transmitter and receiver）



*Instruction Manual*
*Bedienungsanleitung*
*Manuel d'utilisation*
**操作手册**

## PARAMETERS

| | | | |
|---|---|---|---|
| Length:530.5mm | Height:270mm | Ground clearance: 39.5mm | Departure angle: 22° |
| Width: 258mm | Wheelbase: 324mm | Approach angle: 58° | Breakover angle: 36° |

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# SAFETY PRECAUTIONS

## Introduction

This model is a sophisticated hobby product and not a toy. It must be operated using caution and common sense. Beginners should seek the advice of experienced hobbyists to ensure that the model is properly built, run and maintained.

Some mechanical knowledge and ability is expected of the hobbyist, as failure to operate and maintain this model may result in property damage, serious injury or even death.

This model is not intended for use by children without proper adult supervision.

Please follow the instructions and all posted warnings within this manual in order to properly assemble, setup, use and maintain this model.

## Safety, precautions and warnings

**This model is controlled by a radio signal that is subject to interference from many sources outside your control. This interference can cause momentary loss of control so it is necessary to always keep a safe distance in all directions around your model, as this will help to avoid collisions or injury.**

- Always operate your model in an open area away from cars, traffic, or people.
- Never operate your model with low transmitter batteries.
- Carefully follow the directions and warnings for this product and any optional support equipments (chargers, rechargeable battery packs, etc.) that you use.
- Keep all parts, chemical solvents, oils and electrical components out of the reach of children.
- Moisture may cause damage to electronic components over time. Ensure that all electronic components, even waterproof components, are fully dried out after every run. Never run your model in salt-water.

## 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** |
| **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 V2.1.1:2016

EN 301 489-1 V2.1.1:2017

EN 301 489-17 V3.1.1:2017

## FCC ID N4ZG4P00

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 may not cause harmful interference, and.including interference that may cause undesired operation.

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

## RF Exposure Warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. And should be operated with minimum distance of 20 cm between the antenna & your body.

Please read this manual carefully prior to using.We are not responsible for any intentional damage or improper use.If you require any additional information or have any quesions adout he product or its use,please contact us via（www.ROChobby.com）.

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 18 years old. Contains small parts, keep out of reach of children 3 years of age and younger.

MADE IN CHINA

Your model is equipped with an advanced 2.4GHz radio system. This system uses a frequency hopping spread spectrum technology that allows for minimal interference operation.

Prior to operating your new radio system, please take a few minutes to familiarize yourself with the various features and functionality of the system by reading this instruction manual thoroughly.

# RADIO SYSTEM INSTRUCTION MANUAL

## Safety Symbols

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

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

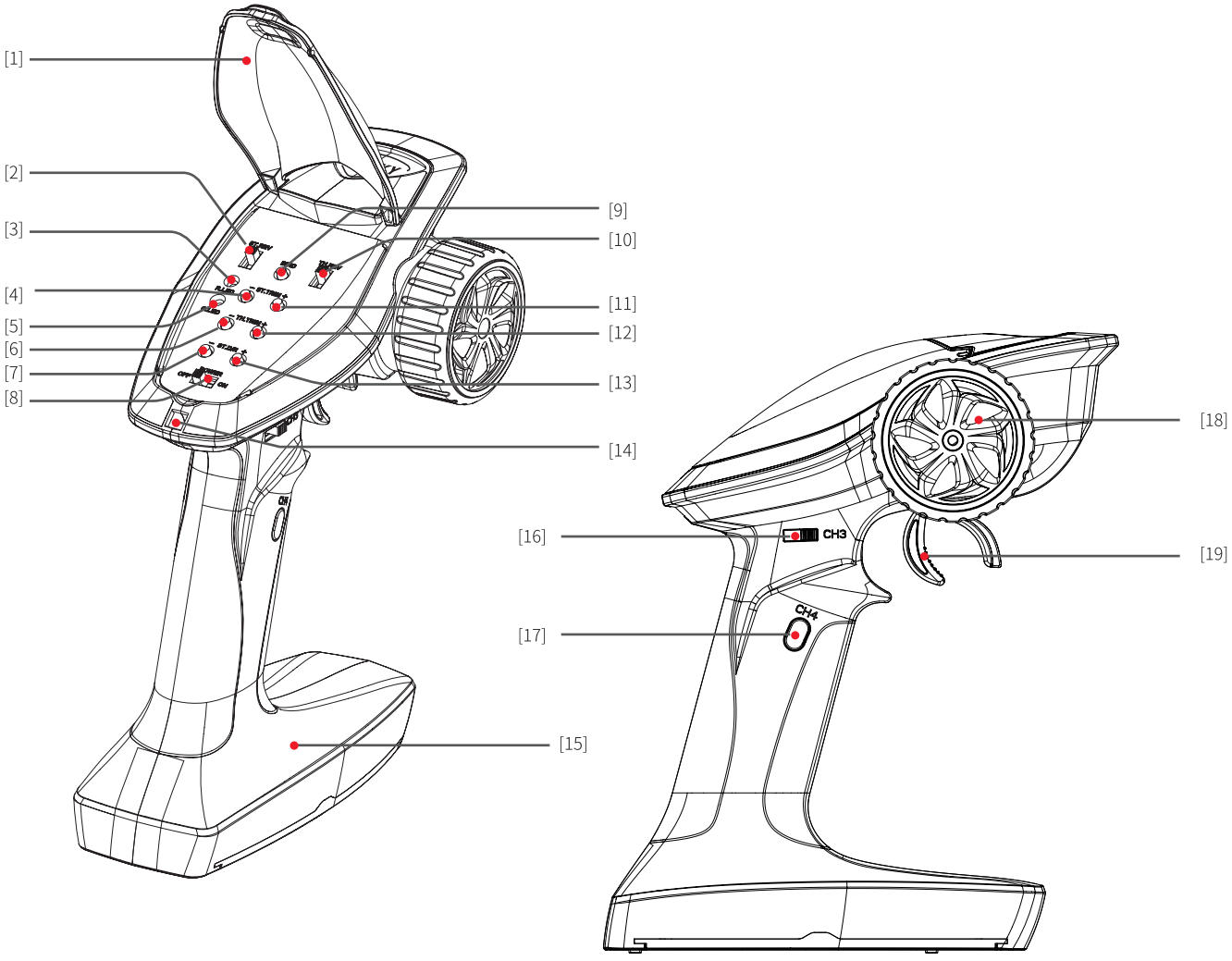
## Safety Guide


- 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 motors 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.

## Introduction

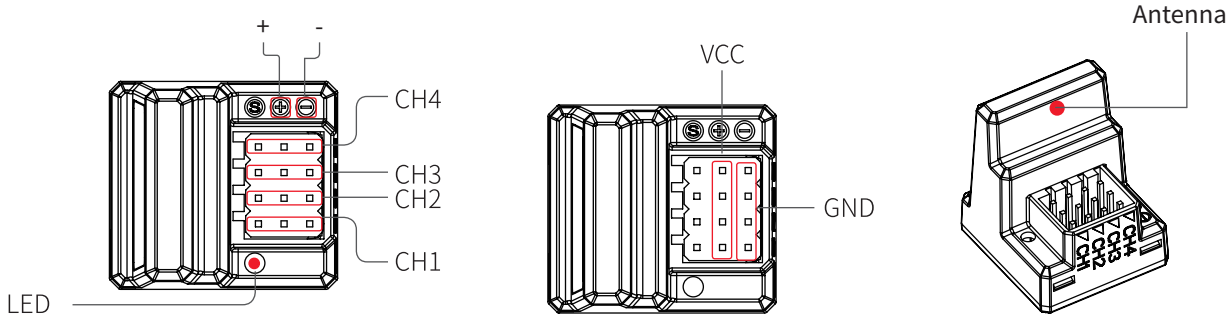
The FS-G4P is a simple 4 channel transmitter using the latest AFHDS 2.4GHz ATN frequency hopping technology from FMS. Designed to be sleek, passionate and powerful for entry level enthusiasts.




| | | | |
|---|---|---|---|
| [1] | Panel Flip Cover | [11] | Steering Trim (ST.TRIM +) |
| [2] | Steering Reverse Switch (ST.REV) | [12] | Throttle Trim (TH.TRIM +) |
| [3] | Power indicator LED (R. LED) | [13] | Steering D/R (ST.D / R +) |
| [4] | Steering Trim (ST.TRIM-) | [14] | Lanyard Eye |
| [5] | Status indicator green LED (G.LED) | [15] | Base, 4 * AA battery compartment |
| [6] | Throttle Trim (TH.TRIM-) | [16] | Three-position switch (CH3)) |
| [7] | Steering D/R (ST.D / R-) | [17] | Button (CH4) |
| [8] | Power Switch | [18] | Wheel Angle, the maximum rotation of the steering wheel is 35 degrees from center to left or right (CH1) |
| [9] | Bind Button (BIND) | [19] | Throttle trigger, has a total throw of 12 degrees,12.5 degrees for backward (CH2) |
| [10] | Throttle Reverse (TH.REV) | | |

## Receiver overview

**Note：To ensure the best signal quality make sure that the antenna is mounted perpendicular to the model body in an upright position.**




## Getting Started

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

### ★ Transmitter Battery Installation

| | |
|---|---|
| ⚠ Danger | **Only use specified battery (X4 AA 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: AA

Battery Installation:

1.Open the battery compartment cover.

2.Insert 4 fully-charged AA 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 G.LED on the panel will flash slowly.

# Instructions

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

## 1、Power On

Follow the steps below to turn on the transmitter:

1. Check to make sure that that battery is fully charged and installed correctly.
2. Toggle the switch to the [ON] position. When active the R.LED will be lit.
3. Connect the receiver to power.

**For safety always power on the transmitter before the receiver.**

| | |
|---|---|
| ⚠ **Note** | **Operate with caution in order to avoid damage or injury.** |

| | |
|---|---|
| ⚠ **Note** | **Make sure that the throttle is at its lowest position and the switches are set to their up position.** |

## 2、Binding(The transmitter and receiver have already been bound at the factory)

However if the receiver needs to be replaced or additional receivers bound follow these steps:

1.Turn on the transmitter while holding the bind button to enter bind mode. G.LED will start flashing quickly: **Once in bind mode release the bind button.**

2.The receiver will enter bind mode atomically when powered on.

3.Once binding is successful the receiver’ s LED will flash slowly and the transmitter’ s LED will remain solid after being rebooted.

**Note: When binding, put the transmitter into bind mode first, then the receiver.**

- **Applicable to the FS-G4P transmitter and the FR-R4P receiver. Different receivers have different bind procedures. For more information visit the FMS website for manuals and other related information.**
- **Product information is updated regularly, please visit our website for more information.**

## 3、Stick Calibration(This function is used to set the neutral position for throttle and wheel)

Every transmitter is calibrated before leaving the factory, however if recalibration is required,please follow these steps:

1.Turn and hold the wheel as far clockwise as it will turn, hold the throttle all the way forward,then turn on the transmitter in calibration mode.

- **The R.LED and G.LED will flash twice.**

2.Calibrate wheel: Turn the wheel completely clockwise, then completely counterclockwise.

- **When calibration is completed the R.LED will be off.**

3.Trigger calibration: Pull the trigger back then forward as far as it will go.

- **When calibration is completed the G.LED will be off.**

4.Once calibration is complete press the bind key to save and exit.

### 4、Power Off

Follow the steps below to turn off the system:

1.Disconnect the receiver power.

2.Toggle the transmitter's power switch to the off position.

| | |
|---|---|
| ⚠ Danger | **Make sure to disconnect the receiver power before turning off the transmitter. Failure to do so may lead to damage or serious injury.** |

## System Functions

This section focuses on the functions and how to use them.

### 1、Channel Description

The transmitter outputs a total of 4 channels, which are allocated as follows:

1. CH1：Steering Wheel
2. CH2：Throttle Trigger
3. CH3：Three-position Switch
4. CH4：Reset Button

**Note: By default the output of CH4 is 1000us, after which pressing the button will toggle between 1000 and 2000us.**

### 2、Channel Reverse

This function is used to adjust each channels direction of movement in relation to it’s input.

The ST.REV / TH.REV switches are the reverse buttons for CH1 and CH2. If the switch is up it indicates reverse, and the down indicates normal.

### 3、Trims

The ST.TRIM is the trims for CH1 (steering),and can be multiplexed as Trims of CH3 and CH4.

For multiplexing switching mode, see [5.5 Mode Switching].TH.TRIMis the trims for CH2(throttle).

Adjustment range: -120us- + 120us, each step is 4us;

ST.TRIM + / TH.TRIM +: increase adjustment step;

ST.TRIM- / TH.TRIM-: Decrease adjustment step.

**LED Indicator:**

When using the trim keys the G.LED will flash slowly on short presses and quickly on long presses.

When the fine adjustment value is at the midpoint, the G.LED will flash twice slowly.

When the fine adjustment value is at both ends (+ 120us / -120us), the trim adjustment is at its maximum and as such G.LED will not flash(if the fine adjustment value has been adjusted to + 120us, then press ST.TRIM + / TH.TRIM + key is invalid and G.LED has Instructions)

## 4、D/R

ST.D / R is for servo travel adjustment, which can be multiplexed as CH2 (throttle), CH3, CH4 servo travel adjustment, see [5.5 Mode Switch] for multiplex switching mode;

Adjustment range: 0-120%(the default is 100%), the step is 5%.

ST.D / R +: increase servo travel;

ST.D / R -: decrease servo travel.

**LED Indicator:**

When using the trim keys the G.LED will flash slowly on short presses and quickly on long presses.

When the ratio value is at both ends (0/120%), the ST.D / R button is at its maximum and as such G.LED will not flash (if the ratio value has been adjusted to 120%, then press ST.D/R+ key is invalid and G.LED has Instructions)

## 5、Mode switching

This function is for reusing the ST.TRIM and ST.D / R buttons for different channels (see [5.3Trims], [5.4 D/R).

**Function setting:**

Under normal power-on, quickly press the Bind button twice (within 1 Sec) to cycle through modes 1, 2, 3, and 4. The default setting when powering on is mode 1.

Mode 1: G.LED flashes slowly once, ST.TRIM is CH1 fine adjustment, ST.D / R is servo travel adjustment.

Mode 2: G.LED flashes twice slowly, ST.TRIM is CH1 fine adjustment, ST.D / R is CH2 servo travel adjustment.

Mode 3: G.LED flashes three times slowly, ST.TRIM is CH3 fine adjustment, ST.D / R is CH3 servo travel adjustment.

Mode 4: G.LED flashes slowly four times, ST.TRIM is CH4 fine adjustment, ST.D / R is CH4 servo travel adjustment.

## 6、Failsafe

This function dictates what the receiver will do in the event that it loses signal from the transmitter, this includes servo position etc.

**Setup:**

1. Turn on the transmitter and make sure it is connected to the receiver.

2. Hold the control surface at the desired failsafe position.

3. Press and hold the bind button for 3 seconds, if the G.LED starts flashing every 2 seconds then setup has been successful.

Failsafe is now set and will default to these values when the receiver looses signal.

**Note：The fail-safe function has no default set at the factory and as such must be set manually.If no failsafe setting has been set, then the receiver will not output anything when signal is lost.**

## 7、Beginner Mode

Beginner mode is designed for people new to the hobby.In this mode the throttle will be limited to 50 percent, The channel range defaults to 1250~1500~1750us.

**Setup:**

To switch between beginner and normal modes press and hold the channel 4 button as the transmitter is turned on.

**Note：By default, the system is set to normal mode. The GLED will flash slowly for 3 seconds during power on if the system is set to beginner mode.**

# Instructions

### 1、Transmitter specification( FS-G4P)

| | |
|---|---|
| Product Model | FS-G4P |
| Channels | 4 |
| Model Type | Car, Boat |
| RF | 2.4GHz |
| RF Power | <20dBm |
| 2.4GHz Protocol | ANT |
| Distance | >300m（ground） |
| Channel Resolution | 1024 |
| Battery | 6V DC 1.5AA*4 |
| Charging Interface | NO |
| Life time | According to battery type |
| Low Voltage Warning | <4.2V |
| Antenna Type | Built-in single antenna |
| Data Interface | No |
| Temperature Range | -10°C ~ +60°C |
| Humidity Range | 20-95% |
| Online Update | No |
| Color | Black |
| Size | 160*193*97mm |
| Weight | 220g |
| Certification | CE, FCC ID:N4ZG4P00 |

### 2、Receiver Specification (FS-R4P)

| | |
|---|---|
| Product Model | FS-R4P |
| PWM Channels | 4 |
| RF | 2.4GHz |
| 2.4GHz Protocol | ANT |
| Distance | >300m（ground） |
| Antenna Type | Built-in single antenna |
| Power | 3.5-8.4V |
| RSSI | No |
| Data Interface | PWM |
| Temperature Range | -10°C ~ +60°C |
| Humidity Range | 20-95% |
| Online Update | No |
| Size | 22.6*20.6*25.5mm |
| Weight | 6g |
| Certification | CE, FCC |

# ESC SYSTEM MANUAL

### Features

1. Waterproof and dust-proof for all weather operations.
2. Compact sizing with built in capacitor module.
3. Automatic throttle range calibration.
4. Multiple protections: Low voltage cut-off protection for Lipo or NiMH battery / Over-heat protection / Throttle signal loss protection.
5. Easily programmed with the jumpers.

## Specifications

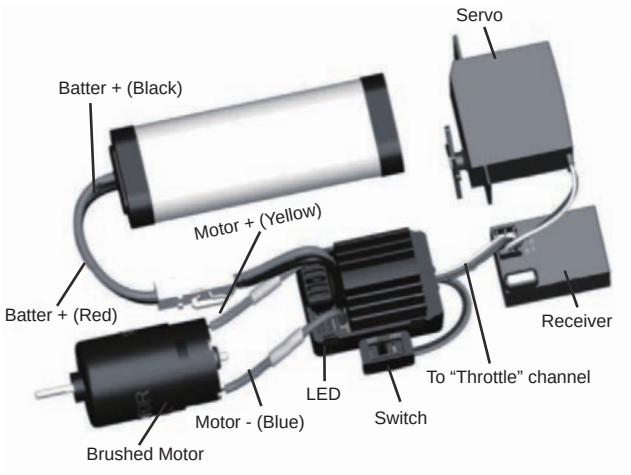
| Model | | WP-1060-BRUSHED |
|---|---|---|
| Cont. / Burst Current | | Forward: 60A / 360A Backward: 30A / 180A |
| Input | | 2-3S Lipo, 5-9 Cells NiMH |
| Vehicles applicable | | 1:10 on-road, off-road Buggy, Truggy, SCT 1:10 Crawlers, Tank &Boat |
| Motor Limit | 2S Lipo or 5-6 cells NiMH | 540 or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

## ESC setup

**Attention:** The incorrect polarity will damage the ESC immediately.

### 1. Connect the ESC, motor, receiver, battery and servo according to the following diagram

Ensure that the + and - wires of the ESC are connected to the battery pack.
The control cable of the ESC is connected to the throttle channel of the ESC (Usually CH2).
The motor + and motor - cables are connected to the motor in any order, if the motor runs in reverse, reverse the cables.




### 2. Set the Transmitter

Please set the “D/R”, “EPA” and “ATL” to 100% for throttle channel (for transmitter without LCD, please turn the knobs to the maximum value), and set the “TRIM” of the throttle channel to 0 (for transmitter without LCD, please turn the TRIM knob to its neutral position).
For Futaba TM and the similar transmitters, the direction of throttle channel shall be set to “REV”, while other radio systems shall be set to “NOR”. The “Fail Save” function of the radio system is strongly recommended to be activated. Please make sure that the motor can be stopped when the “Fail Save” happens.

**3. Throttle Range Setting (Throttle Range Calibration)**

In order to make the ESC match the throttle range of different transmitters, the calibrationof the ESC is necessary. To calibrate the ESC, please turn on the transmitter, keep throttle stick at its neutral position, wait for 3 seconds to let the ESC execute self-test and automatic throttle calibration. When the ESC is ready to run, a long beep sound is emitted from the motor.

Note: Please calibrate the throttle range again when using a new transmitter or changing the settings of the neutral position of throttle channel, D/R, ATV, ATL or EPA parameters,otherwise the ESC may not work properly.

## Audible warnings and LED status

| Beep meaning | LED Status |
|---|---|
| • 1 short beep: The battery is NiMH/NiCd<br>• 2 short beeps: The battery is 2S Lipo<br>• 3 short beeps: The battery is 3S Lipo<br>• 4 short beeps: The battery is 4S Lipo<br>• 1 long beep: Self-test and throttle calibration is OK, the ESC is ready to run | • When the throttle stick is in neutral range, red LED is off<br>• Forward, brake or reverse at partial throttle, red LED blinks<br>• Forward, brake or reverse at full throttle, red LED is solid |

## Throttle stick position

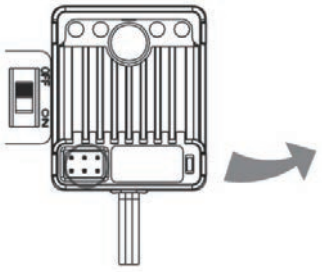
Neutral point

Top point of forward direction

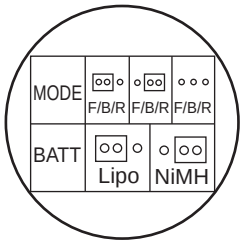
Top point of backward direction

## Set the ESC

1. The ESC is programmed by the jumpers (Tweezers are is recommended to plug and unplug the jumper).




D:WP-1060-BRUSHED




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

## Protection functions

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

**Table A:** LVC protection for WP-1060-BRUSHED

| 2S Lipo | 3S Lipo |
|---|---|
| Output reduces 50% at 6.5V Output cuts off at 6.0V, cannot be recovered. | Output reduces 50% at 9.75V Output cuts off at 9.0V, cannot be recovered. |

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

## Troubleshooting

| Fault | Possible Reason | Drivetrain fault Solution |
|---|---|---|
| After power on, motor doesn't function, no sound is emitted and LED is off. | The ESC isn't receiving enough voltage or the connection between the battery pack and ESC is broken. | Check the battery wires connection or replace the defective connectors. |
| | Switch is damaged. | Replace the switch. |
| After power on, motor doesn't function; red LED blinks. | Throttle signal is abnormal. | Check the throttle wire connection; make sure it is plugged into the throttle channel of the receiver. |
| | Automatic throttle calibration has failed. | Set the "TRIM" of throttle channel to 0 or turn the knob to its neutral position. |
| The model reverses when throttle is given ( the motor runs in the opposite direction). | The wire connections between ESC and the motor need to be changed. | Swap two wire connections between the ESC and the motor. |
| The model does not reverse. | The jumper position is wrong. | Check the jumper and plug it to the correct position. |
| | The neutral point of throttle channel is changed or drifted. | Set the "TRIM" of throttle channel to 0 or turn the knob to its neutral position. |
| The model only reverses. | The direction of throttle channel is not correct. | Reset the direction of throttle channel from original "NOR" to "REV", or from original "REV" to "NOR". |
| The motor doesn't work, but the LED in the ESC works normally. | The connections between motor and ESC are broken. | Check the connections and replace the defective connectors. |
| | Motor is damaged. | Replace the motor. |

| Fault | Possible Reason | |
|---|---|---|
| The motor suddenly stops running while in working state. | The throttle signal is lost. | Check the transmitter and the receiver. Check the throttle wire connection. |
| | Low voltage cut-off protection or Over-heat cut-off protection has been activated. | Replace the battery pack, or cool down the ESC. |
| The model cannot reach its maximum speed and the red LED does not become solid at full throttle. | The transmitter is improperly setup. | Check the settings.<br>Set D/R, EPA, ATL to 100% or turn the knobs to maximum value.<br>Set TRIM to 0 or turn the knob to its neutral position. |
| Motor is cogging when accelerated quickly. | The battery has limited discharge ability. | Use battery with better discharge ability. |
| | Motor RPM is too high, the gear ratio is too aggressive. | Use motor with lower RPM, or use smaller pinion to get softer gear ratio. |
| | Something wrong in the driving system of the car. | Check the drivetrain of the vehicle. |

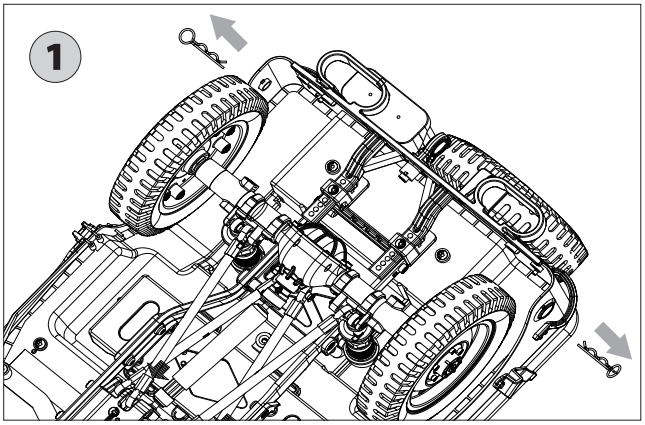
# VEHICLE SETUP

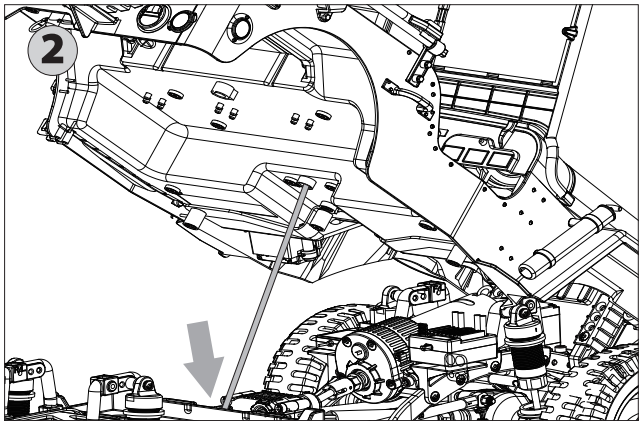
## Connecting the battery

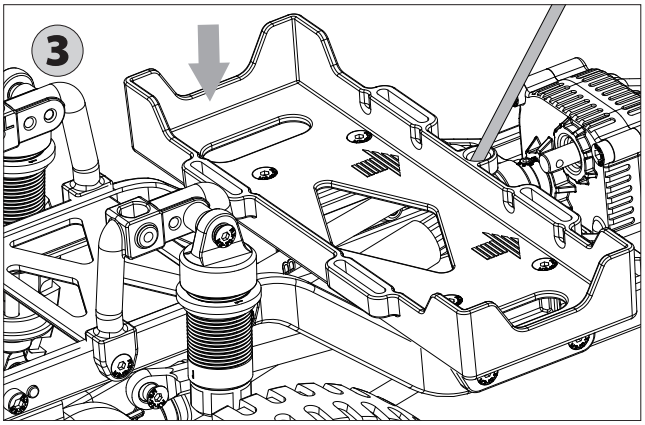
STEP 1: Release the two body clips.

STEP 2: Lift the vehicle body and place the brace rod between the chassis and body.

STEP 3: Place the battery in the battery box then connect the battery plug (T-plug or XT60 plug).



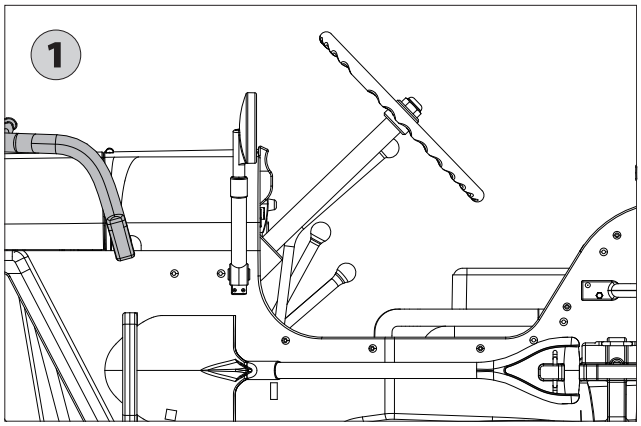
## WIPER INSTALLATION,LIFTING AND RETRACTING THE WINDSHIELD

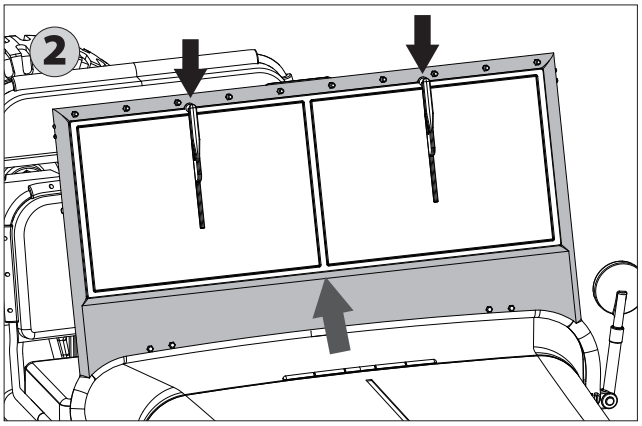
Install the windshield wipers by referencing the diagram below.

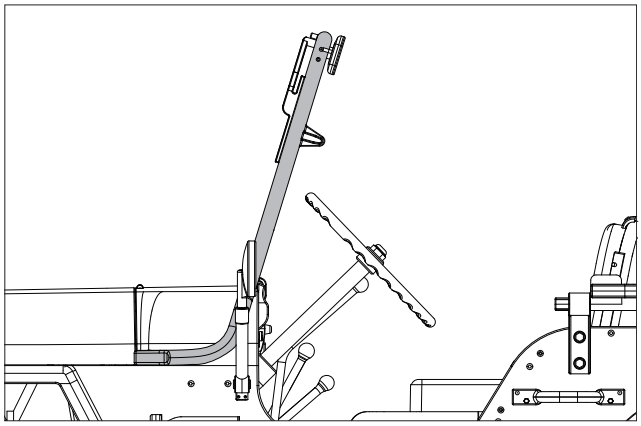
Step1: Please install the wipers in the diagram2 position.
Step2: Lift the windshield assembly.

Step3: Gently press on the center of the windshield, the component will bend and lock onto the hood.

Pressing on the center of the windshield again will allow for the windshield to be retracted.



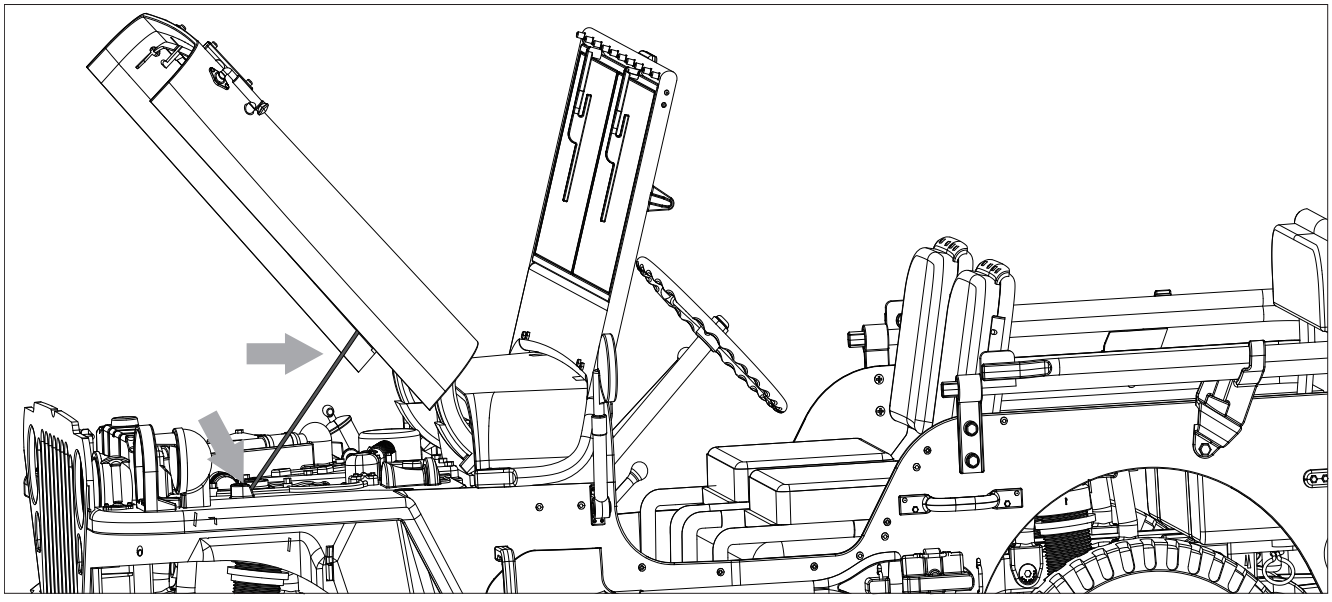



## OPENING THE HOOD

Step1: Lift the hood up.

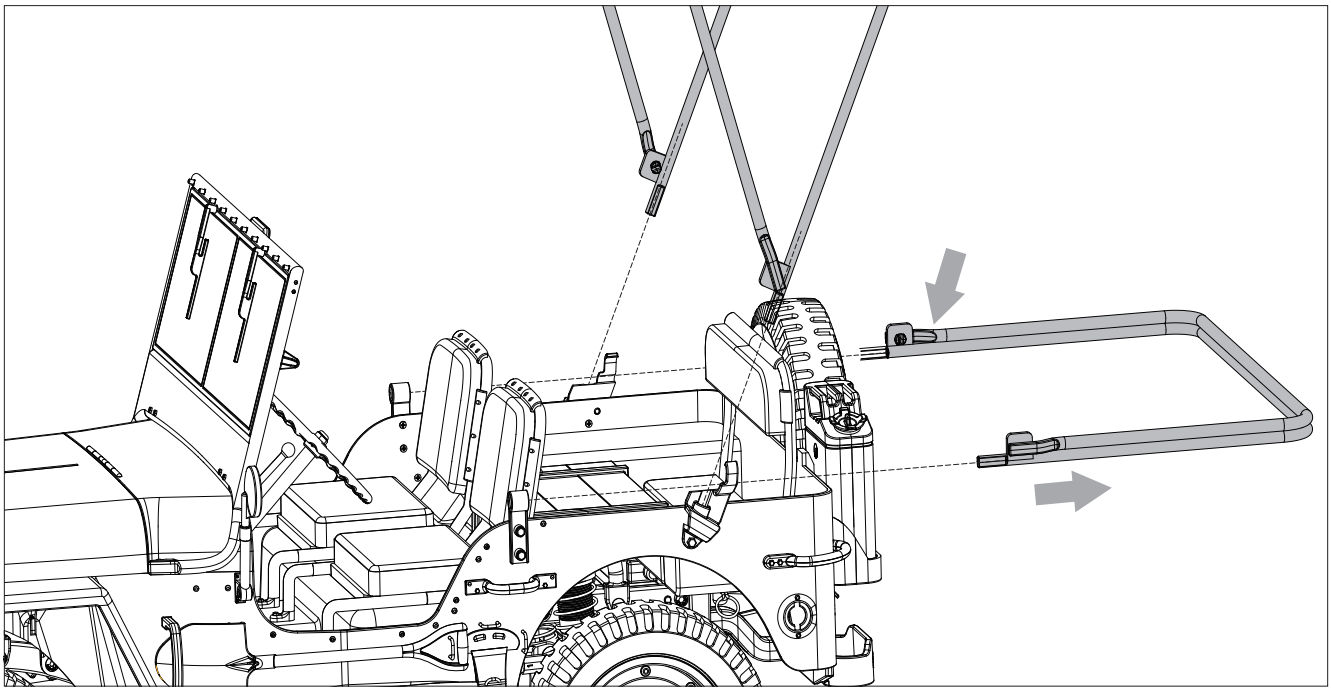
Step2: Move the hood strut onto the engine compartment to keep the hood in place.



# SETTING UP THE CANVAS BRACKET

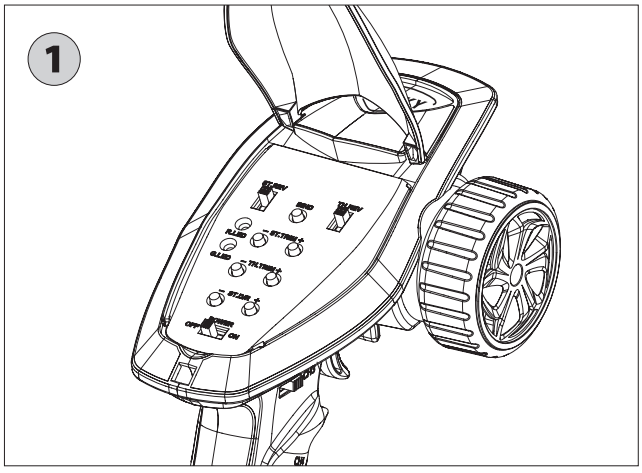
Step1: Pull out the canvas bracket.

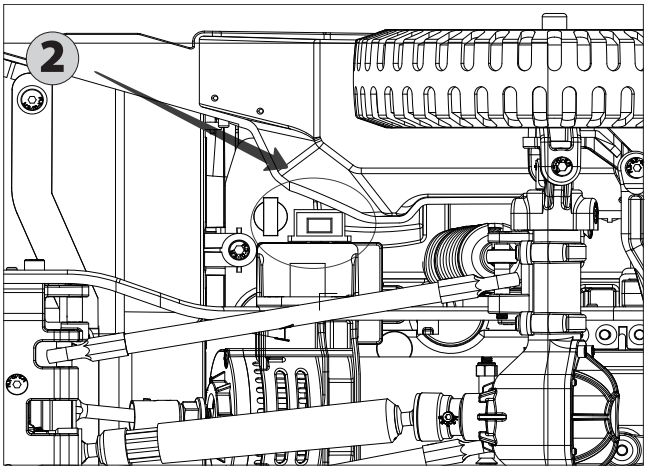
Step2: Insert the canvas bracket into the bracket mount.



# OPERATING THE VEHICLE

Step 1: Turn on the transmitter- the status LED will turn blue and an audible tone will be emitted.
Step 2: Power on the vehicle by turning on the ESC switch. The front lights will illuminate and an audible sound will be emitted. After the receiver confirms that a transmitter signal has been received, it will emit another audible tone.
The above guidelines, must be installed the battery.
This vehicle is equipped with a slipper. If the vehicle loses transmission traction, please check the slipper tension and replace if necessary.
Spare parts C1067 SLIPPER PAD.



# 目录

# 安全保障措施

## 指引

这模型是一个竞赛爱好者产品，而不是玩具。 它必须谨慎使用。 初学者应寻求有经验的爱好者的指导去进行，以确保模型得到正当的组装、运行及维护。
期望业余爱好者有一些机械知识和能力，因为未能操作和维护该模型产品可能导致财产损坏及严重伤害或导致死亡。
没有适当的成人监督下,这模型不适合儿童独自使用。 请细阅本手册中的说明和所有张贴的警告，以便正确地组装、设置、使用和维护此模型。

## 安全、预防措施及警告

这个模型是由一个无线电信号控制的，它会受到来自你控制以外许多源的干扰。这种干扰会造成短暂的控制失误，所以在您的模型周围的所有方向,请必要保持一个安全的距离,因为这将有助于避免产品碰撞或损坏。

- 请远离汽车、交通或人员的区域,操作您的模型。
- 不要用电量过低的电池在遥控器上操作你的模型。
- 仔细遵循本产品和任何可选的支持设备（如充电器、充电电池组等）的指示和警告。
- 保持所有零件，化学溶剂，油类及电器元件不让儿童接触到。
- 湿气可能会随着时间的推移对电子元件造成损害。 请确保所有电子元件，甚至防水元件，在每次运行后都保持干燥。 千万不要在盐水中运行本模型。

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！！ 建议在 14 岁及以上者使用。18 岁以下的 , 需接受成年人监督下使用。本产品部分包含小零件，请保持 3 岁及更小的儿童无法接触本产品。

MADE IN CHINA

# 无线电系统装置

## 安全符号

仔细阅读一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。

| | |
|---|---|
| ⚠ 警告 | **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。** |
| ⚠ 危险 | **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

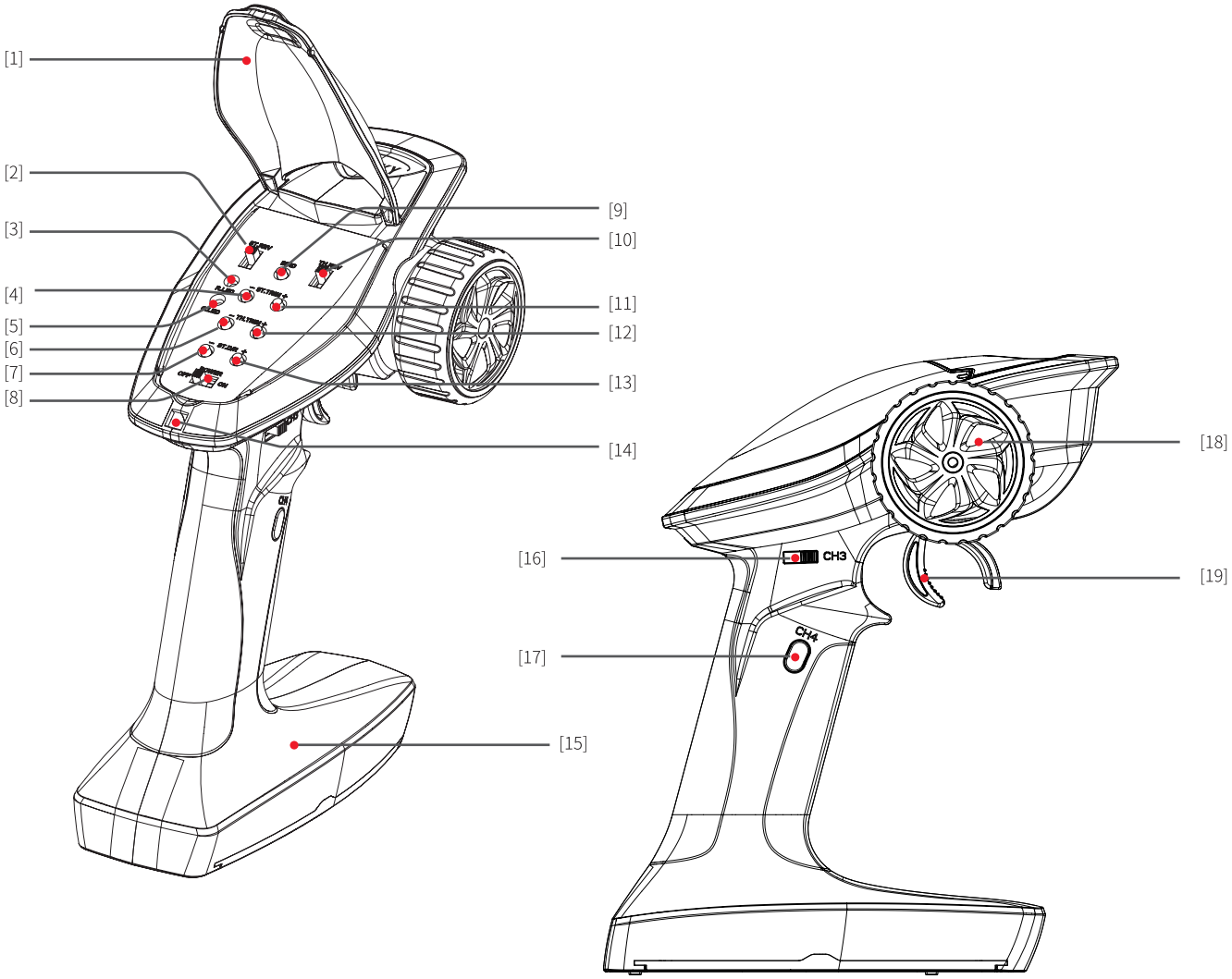
**禁止**　　**强制**

- 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、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、有客船的水域
  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逼控失灵模型失控。
- 在操作或使用模型后，请勿触摸任何可能发热的部位,如发动机、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。
- 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。
- 当遥控距离持续较远时，有发生失控的可能。请适当缩短遥控的距离。

## 产品介绍

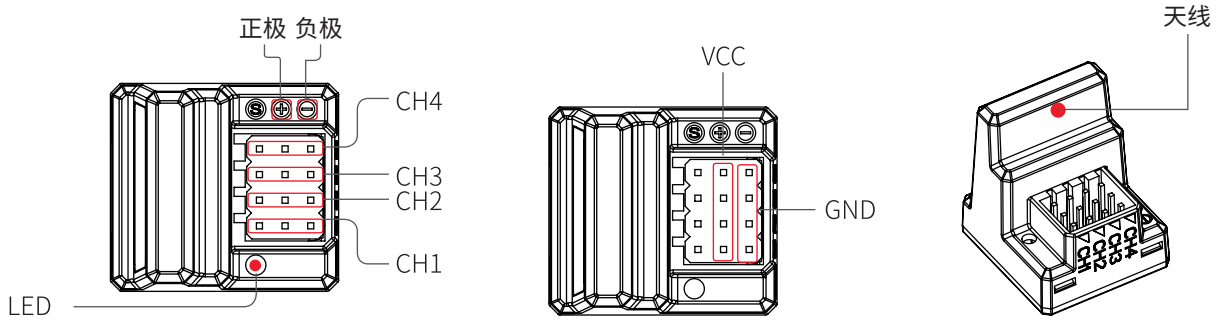
FS-G4P 是一款使用富斯最新自主研发的 2.4GHz ANT 蚂蚁版自动跳频数字系统的简版 4 通道发射机，外观采用跑车元素彰显速度、激情和力量，该款发射机还具备初学者模式方便入门 ] 玩家使用。




| | | | |
|---|---|---|---|
| [1] | 功能面板保护盖 | [11] | 方向微调按键(ST.TRIM+) |
| [2] | 方向倒置开关(ST.REV) | [12] | 油门微调按键(TH.TRIM+) |
| [3] | 电源指示灯红色LED(R.LED) | [13] | 方向比例调节按键(ST.D/R+) |
| [4] | 方向微调按键(ST.TRIM-) | [14] | 挂绳孔 |
| [5] | 状态指示灯绿色LED(G.LED) | [15] | 底座,4*AA电池仓 |
| [6] | 油门微调按键(TH.TRIM-) | [16] | 三档拨动开关(CH3) |
| [7] | 方向比例调节按键(ST.D/R-) | [17] | 按键开关(CH4) |
| [8] | 电源开关 | [18] | 方向手轮,左右各35度(CH1) |
| [9] | 对码按键(BIND) | [19] | 油门扣机,前25度后12.5度(CH2) |
| [10] | 油门倒置开关(TH.REV) | | |

## 接收机概览

**注意：开始操作前，请按照本章的顺序和指引安装电池、连接设备。**




## 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: AA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 AA 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G.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、开机

请按照以下步骤进行开机:

1. 检查系统状态，确保 : 电池电量充足且安装正确。
2. 将开关拨到 [0n] 位置，R.LED 灯常亮。
3. 连接接收机电源。

**注意 : 为保障模型及人员安全，使用时请先打开发射机再给接收机上电。**

| | |
|---|---|
| ⚠ 警告 | **此时系统已启动，请谨慎操作，否则可能导致产品损坏或人员伤亡。** |
| ⚠ 警告 | **为了您的安全请将发射机开关和油门打到安全位置。** |

## 2、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. 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 : 进入对码状态后松开“BIND” 键;
2. 接收机上电自动进入对码 ;
3. 对码成功接收机 LED 指示灯慢闪，发射机关机重启接收机指示灯常亮 ;

**注意 : 对码时请先将发射机进入对码状态，再将接收机进入对码状态。**

- **此对码步骤仅适用于 FS-G4P 发射机与 FS-R4P 接收机对码，不同的接收机对码方式不同，请进入 FMS 官网查询接收机说明书或其他相关资料，进行操作。**
- **由于产品处于不断更新状态，请进入 FMS官网查询最新的发射机与接收机兼容表单。**

## 3、遥感校准（该功能可以用于方向手轮和油门扳机的中位角度修正。）

发射机在出厂前已校准完成，如需要重新校准，请按照以下步骤执行:

1. 同步将手轮顺时针打到最大、扣机往前推到底并开机，进入校准模式功能 ;
   - **R.LED 和 G.LED 二闪一灭**
2. 手轮校准 : 操作手轮顺时针和逆时针转到最大最小 ;
   - **R.LED 红色常亮**
3. 扣机校准 : 往前往后推到最大最小 ;
   - **G.LED 绿色常亮**
4. 校准完成后按“BIND” 键退出并保存数据。

### 4、关机

请按照以下步骤进行关机:

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。** |
|---|---|

## 系统功能

此章节主要介绍系统各项功能操作。

### 1、通道说明

该发射机共输出4个通道，分配如下:

1. CH1: 方向手轮
2. CH2: 油门 ] 扣机
3. CH3: 三档开关
4. CH4: 复位按键

**注意：CH4 按键开机默认输出 1000us，按压操作一下通道值翻转 - 次，数值在 1000us/2000us 之间互相切换。**

### 2、通道反向（该功能用于调整舵机或马达的动作方向。）

按键ST.REV/TH.REV分别为CH1、CH2通道反向按键，开关上拨表示反向，下拨表示正常。

### 3、微调

按键ST.TRIM和TH.TRIM分别为CH1 (方向)和CH2 (油门)的微调按键。

调节范围 : -120us-+120us，微调步进为 4us;

ST.TRIM+/TH.TRIM+: 增大微调值 ;

ST.TRIM-/TH.TRIM-: 减少微调值。

**LED 指示情况 :**

操作 - - 次微调键 G.LED 闪烁 - - 次，长按快闪

当微调值位于中点时 G.LED 慢闪 2 下

当微调值位于两端时 (+120us/-120us)，微调无效且 G.LED 无指示 ( 如微调值已调至 +120us，此时按 ST.TRIM+/TH.TRIM+ 键无效且 G.LED 无指示 )

## 4、方向比例

ST.D/R为CH1方向比例调节，默认为最大100%，步进为5%

调节范围 : 0- 100%;

ST.D/R+: 增加比例 ;

ST.D/R-: 较小比例。

**LED 指示情况 :**

操作一次按键 G.LED 闪烁一次，长按快闪

当比例值位于两端时 (0/100%) , 按键无效且 G.LED 无指示 ( 如比例值已调至 100%，此时按 ST.D/R+ 键无效且 G.LED 无指示 )

## 5、失控保护

此功能用于当接收机无法正常收到发射机的信号时，对应通道舵机移动至预先设定的位置，保护模型和操作人员的安全。

**功能设置 :**

发射机开机正常通讯状态下， 将需要设置的通道保持在需要设定的失控保护值位置保持不动， 同时长按对码键 (BIND) 3S，G.LED 闪烁 2S 表示设置成功，即当接收机无法接收信号后，将按照设定的失控值输出。

**注意：失控保护出厂默认无任何设置，无设置时失控接收机无有效信号输出。**

## 6、初学者模式

初学者模式比较适合入门级玩家，通过对油门幅度的控制来提高操作的安全性。

初学者模式模式油门输出仅为 50%。

**功能设置 :**

按住 CH4 键开机即可实现正常模式和初学者模式互相切换，开机时 G.LED 灯慢闪表示成功进入初学者模式。

**注意：出厂默认为正常模式，开机时 G.LED 灯慢闪持续 3S，代表此次进入初学者模式。**

# 产品规格

**1、发射机规格 FS-G4P**

| | |
|---|---|
| 产品型号 | FS-G4P |
| 通道个数 | 4 |
| 适配模型 | 车、船 |
| 无线频率 | 2.4GHz |
| 发射功率 | <20dBm |
| 无线协议 | ANT |

### 1、发射机规格 FS-G4P

| | |
|---|---|
| 遥控距离 | >300m( 空旷无干扰地面距离 ) |
| 通道分辨率 | 1024 级 |
| 电池 | 6V DC 1.5AA*4 |
| 充电接口 | 无 |
| 续航时间 | 依电池类型 |
| 低电压报警 | <4.2V |
| 天线类型 | 内置单天线 |
| 数据接口 | 无 |
| 温度范围 | -10°C ~ +60°C |
| 湿度范围 | 20-95% |
| 在线更新 | 无 |
| 遥控器颜色 | 黑 |
| 外形尺寸 | 160*193*97mm |
| 机身重量 | 220g |
| 认证 | CE, FCC ID:N4ZG4P00 |

### 2、接收机规格FS-R4P

| | |
|---|---|
| 产品型号 | FS-R4P |
| PWM 通道 | 4 |
| 无线频率 | 2.4GHz |
| 无限协议 | ANT |
| 遥控距离 | >300m( 空旷无干扰地面距离 ) |
| 天线类型 | 内置单天线 |
| 电源 | 3.5-8.4V |
| RSSI | 无 |
| 数据接口 | PWM |
| 温度范围 | -10°C ~ +60°C |
| 湿度范围 | 20-95% |
| 在线更新 | 无 |
| 外形尺寸 | 22.6*20.6*25.5mm |
| 机身重量 | 6g |
| 认证 | CE, FCC |

# ESC系统手册

**功能特征**

1. 所有天气的作业的防水防尘功能。
2. 紧凑的尺寸与内置的电容器模块。
3. 自动油门范围校准。
4. 多重保护：Lipo或 NiMH 电池的低压切断保护 / 过热保护 / 油门信号丢失保护。
5. 跳线编程。

## 规格

| 型号 | | WP-1060-BRUSHED |
|---|---|---|
| 持续 / 迅间电流 | | 前进：60A/360A 后退：30A/180A |
| 输入 | | 2-3S 锂电或 5-9 芯镍氢电 |
| 适用的车辆 | | 1：10 平路车,越野车,货卡,短卡 ,1：10 攀爬车,坦克和船 |
| 电机限制 | 2S 锂电或 5-6 芯镍氢电 | 540 或 550 电机≥8T 或 RPM <45000@7.2V |
| | 3S 锂电或 7-9 芯镍氢电 | 540 或 550 电机≥13T 或 RPM <30000@7.2V |
| 阻抗 | | 前进：0.0008 欧姆,后退：0.0016 欧姆 |
| 内置 BEC | | 3A/6V( 开关模式 BEC) |
| 尺寸和重量 | | 36*30*18,40 克 |

## ESC设置

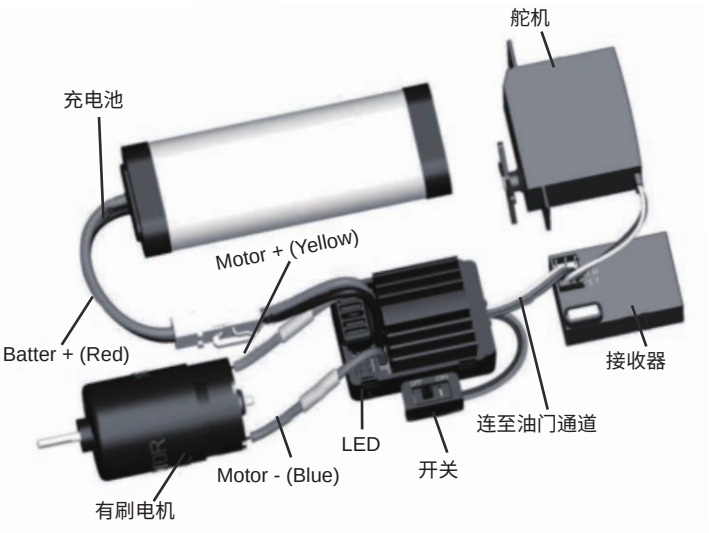
**注意：电源安装不正确的极性向方 , 将立即损坏 ESC。**

1. 根据以下内容连接 ESC、电机、接收器、电池和舵机系统确保 ESC 的正及负电线与电池组已连接。ESC 的控制线连接到 ESC 的节流通道 ( 通常为 CH2)。电机正及负电线按任何顺序连接到电机上,如果电机反向运行,则反转连接。

2. 设置遥控器

   请将 D/R、EPA 及 ATL 设置为 100% 用于油门通道 ( 对于没有 LCD 屏的遥控器，请将旋钮转到最大值 )，并将油门通道的 TRIM 设置为 0 ( 对于没有 LCD 屏的遥控器,请将 TRIM 旋钮转到中位置 )。

   对于遥控器，油门通道的方向应设置为 Rev，而其他无线电系统应设置为 NOR。强烈建议启动无线电系统的故障保存功能。当在故障发生时，确保电机可以停止。



3. 油门范围设定（油门范围校正）

为了使 ESC 与不同遥控器油门范围相匹配，需要对 ESC 进行校准。要校准 ESC，请打开遥控器，保持油门棒在其中位，等待 3 秒让执行自我测试和自动油门校准。当 ESC 准备运行时，电机发出一个长的蜂鸣声。

**注意：当使用新遥控器时请再次校准油门范围中位、D/R、ATV、ATL 或 EPA 的参数，否则 ESC 可能无法正常工作。**

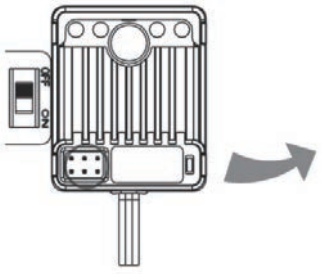
## 警报声及LED状态

| 警报声表示 | LED状态 |
| --- | --- |
| • 一个短蜂鸣声：电池为镍氢/镍镉<br>• 两个短蜂鸣声：电池是2S鋰电<br>• 三个短蜂鸣声：电池是3S鋰电<br>• 四个短蜂鸣声：电池是4S鋰电<br>• 一个长蜂鸣声：自检和油门校准正常，ESC准备运行 | • 当油门杆在中性范围内时，红色LED关闭<br>• 部分油门前进、刹车或倒车，红色LED闪烁<br>• 全油门前进、刹车或倒车，红色LED是長亮 |

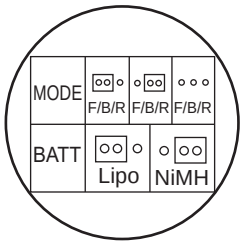
## 油门杆位置


## 设置ESC

1. ESC 以跳线编程（建议用镊子夹起和拔出跳线）。



D:WP-1060-BRUSHED




F/B/R：前进、刹车和倒车
F/B/R：前进带刹车，后退不带刹车
F/B/R：前进和后退（攀爬模式）

## 保护功能

1. 低压切断 (LVC) 保护：如果电池组电压低于阈值 2 秒，ESC 将进入保护模式。当汽车停止时，红色 LED 闪烁表示低压切断保护已被激活。

图表 A：WP-1060-BRUSHED 的低压保护

| 2S锂电 | 3S锂电 |
|---|---|
| 当输出 6.5V 降至 50% 到 6.0V 后作切断，无法再恢复运作。 | 当输出 9.75V 降至 50% 到 9.0V 后作切断，无法再恢复运作。 |

2. 过热保护：当 ESC 的内部温度高于 100 摄氏度或 212 华氏度 5 秒时，ESC 将减少和切断输出功率。

   当汽车停止时，红色 LED 闪烁以指示过热保护已被激活。如果 ESC 冷却到 80 摄氏度（176 华氏度），输出功率将恢复到正常状态。

3. 油门信号丢失保护：如果油门信号丢失 0.1 秒，ESC 将切断输出功率。强烈建议激活无线电系统故障保存功能。

## 查测修理故障

| 故障问题 | 可能的原因 | 传动系统故障解决方案 |
|---|---|---|
| 通电后，电机不起作用，没有声音发出，LED 关闭 | ESC 没有收到足够的电压，或者电池组和 ESC 之间的连接被破坏 | 检查电池电线连接或更换有缺陷的连接器 |
| | 开关损坏了 | 更换开关 |
| 接通电源后，汽车不起作用：红色 LED 闪烁 | 油门信号异常 | 检查油门导线连接；确保插入接收器的油门通道 |
| | 自动油门校准失败 | 将油门通道的 TRIM 设置为 0 或将旋钮转到其中性位置 |
| 当给油门时，模型反转（电机方向相反） | 需要更改 ESC 与电机之间的电线连接 | 交换 ESC 和电机之间的两个电线连接 |
| 模型没反向 | 跳线位置错误 | 检查跳线，并将其插入正确位置 |
| | 油门通道中性点改变或漂移 | 将油门通道的 TRIM 设置为 0 或将旋钮转到其中性位置 |
| 模型只会反向 | 油门通道方向不正确 | 将油门通道的方向从原来的 NOR 重置为 REV，或从原来的 REV 重置为 NOR |
| 电机不工作，但 ESC 中的 LED 正常工作 | 电机与 ESC 之间的连接断裂 | 检查连接，更换有缺陷的连接器 |
| | 马达损坏了 | 更换马达 |

| 故障问题 | 可能的原因 | 传动系统故障解决方案 |
| --- | --- | --- |
| 电动机在工作状态时突然停止运转 | 油门信号丢失 | 检查发射机和接收器<br>检查油门导线连接情况 |
| | 低压切断保护或过热切断保护已启动 | 更换电池组，或冷却 ESC |
| 该模型无法达到其最大速度，红色 LED 在全油门下不会变得坚实 | 发射机设置不当 | 检查设置。<br>将 D/R、EPA、ATL 设置为 100%，或将旋钮转到最大值<br>将 TRIM 设置为 0 或将旋钮转到其中性位置 |
| 加速时电机堵塞 | 电池的放电能力有限 | 使用放电能力较好的电池 |
| | 电机 RPM 值太高，齿轮比太激进 | 使用转速较低的电机，或使用较小的小齿轮，以获得较软的齿轮比 |
| | 汽车的驾驶系统出了问题 | 检查车辆的传动系统 |

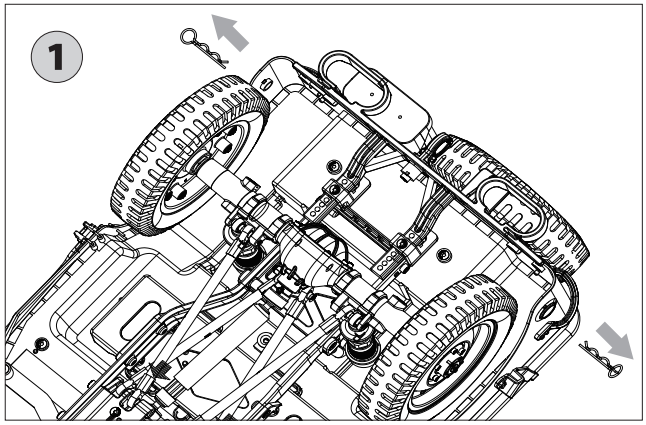
# 车辆设置

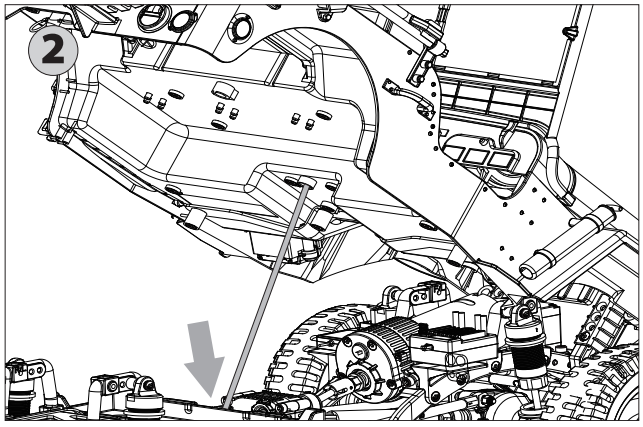
## 连接电池

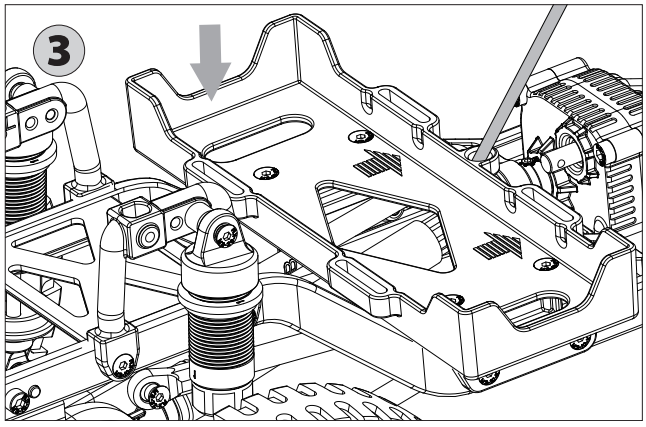
步骤 1：拔开两个身体销针。

步骤 2：提升车身，将撑杆放置在底盘和车身之间。

步骤 3：将电池放置在电池盒中，然后连接 T 电池插头 ( T 头或 XT60 头 )。



# 安装雨刷, 提起/收放挡风玻璃窗框

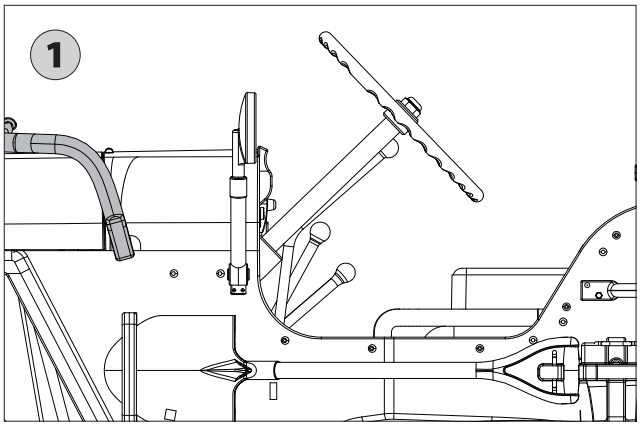
按图指示，把雨括安装在適当位置。

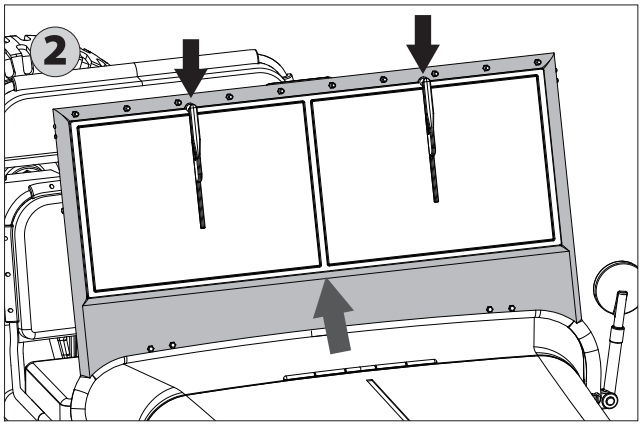
第一步：请在图示 2 位置安装雨刷。

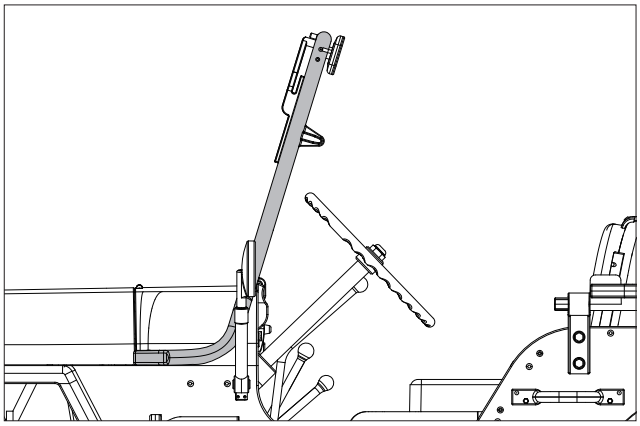
第二步：提升挡风玻璃组件。

第三步：轻轻按下挡风玻璃的中心，组件将弯曲并扣在引擎盖上。

再次按下挡风玻璃的中心弯曲扣位松开收回挡风玻璃。



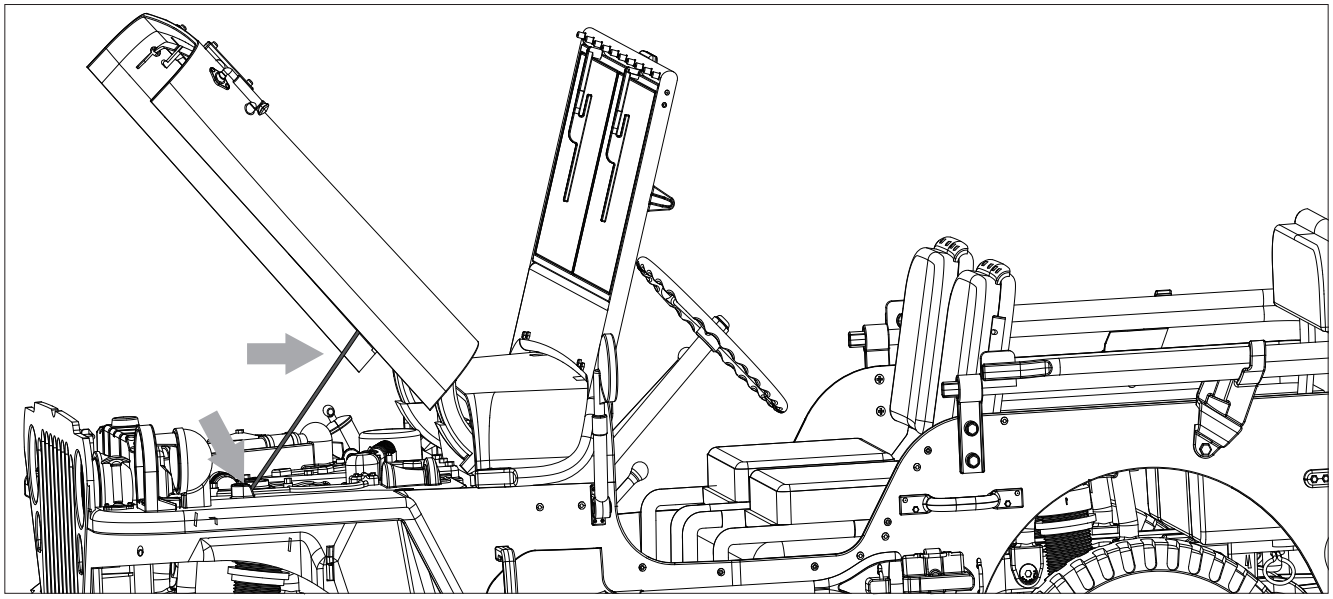



# 打开引擎盖

第一步：把引擎盖抬起来。

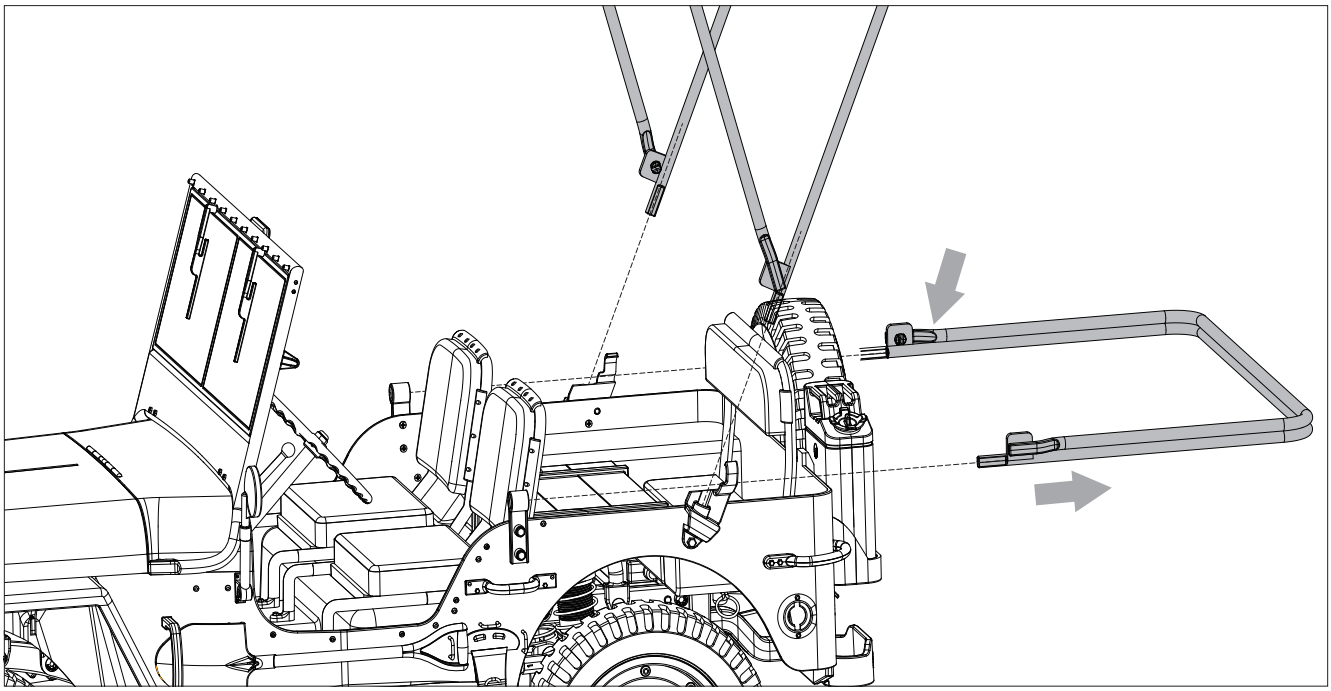
第二步：将引擎盖支柱移动到发动机舱上，以保持撑着引擎盖。



# 设置帆布车篷支架

第一步：拔出帆布车篷支架。

第二步：将帆布车篷支架插入支架安装中



# 车辆操作

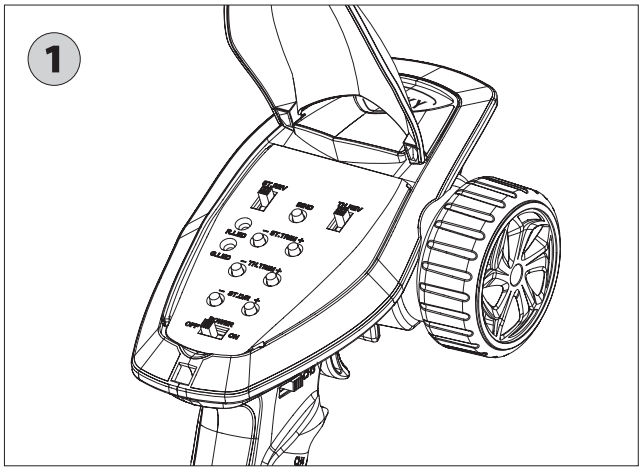
第一步：打开遥控器 - 状态 LED将变成蓝色，并发出可听到的音调。

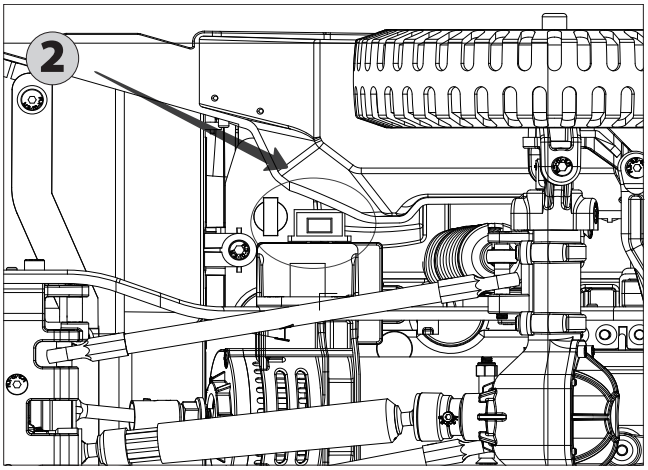
第二步：打开 ESC开关给车辆供电。前面的灯会发光 ，发出可听到的声音

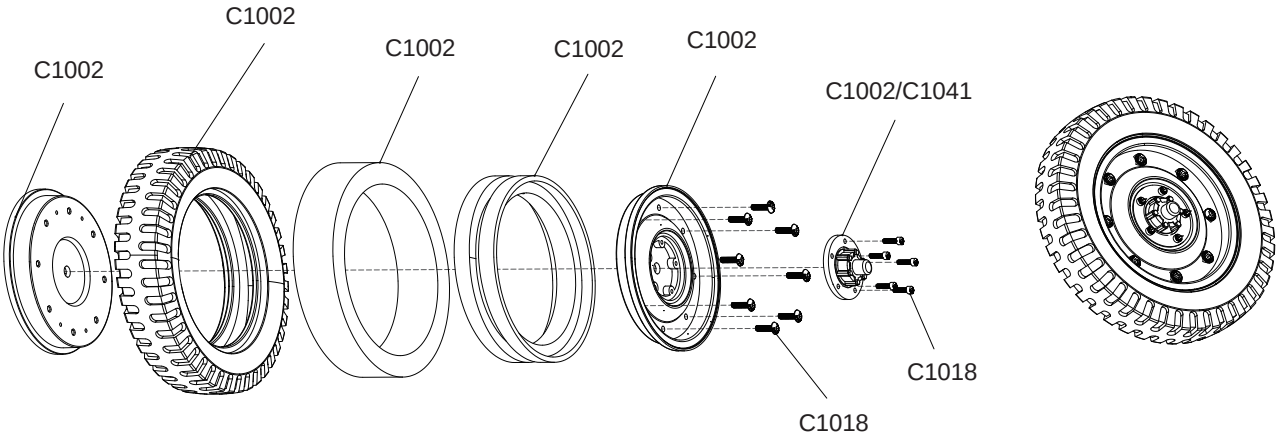
在接收器确认遥控器信号已被接收后，它将发出另一个可听到的音调。

以上指引，必须安装电池。

本产品带有限滑功能，如启动动力不足，请检查限滑片进行更换，配件：C1067 限滑片。

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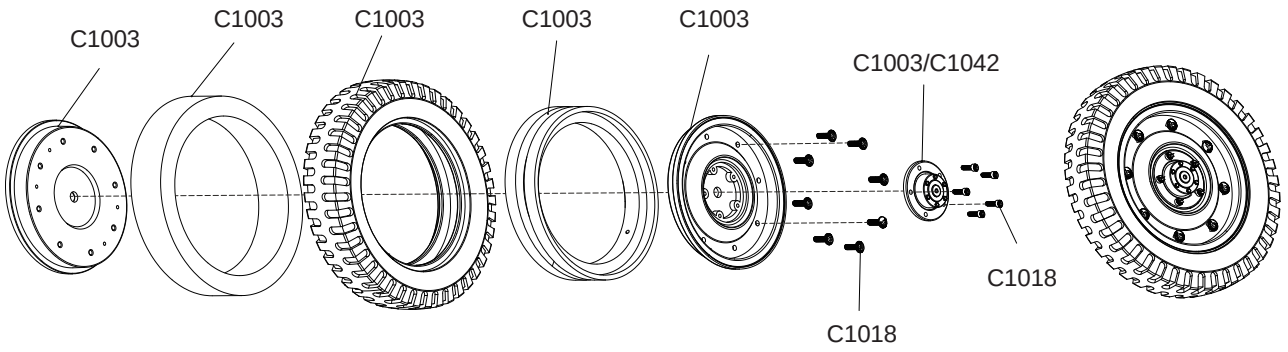
C1002/C1041
C1018
C1018


C1003
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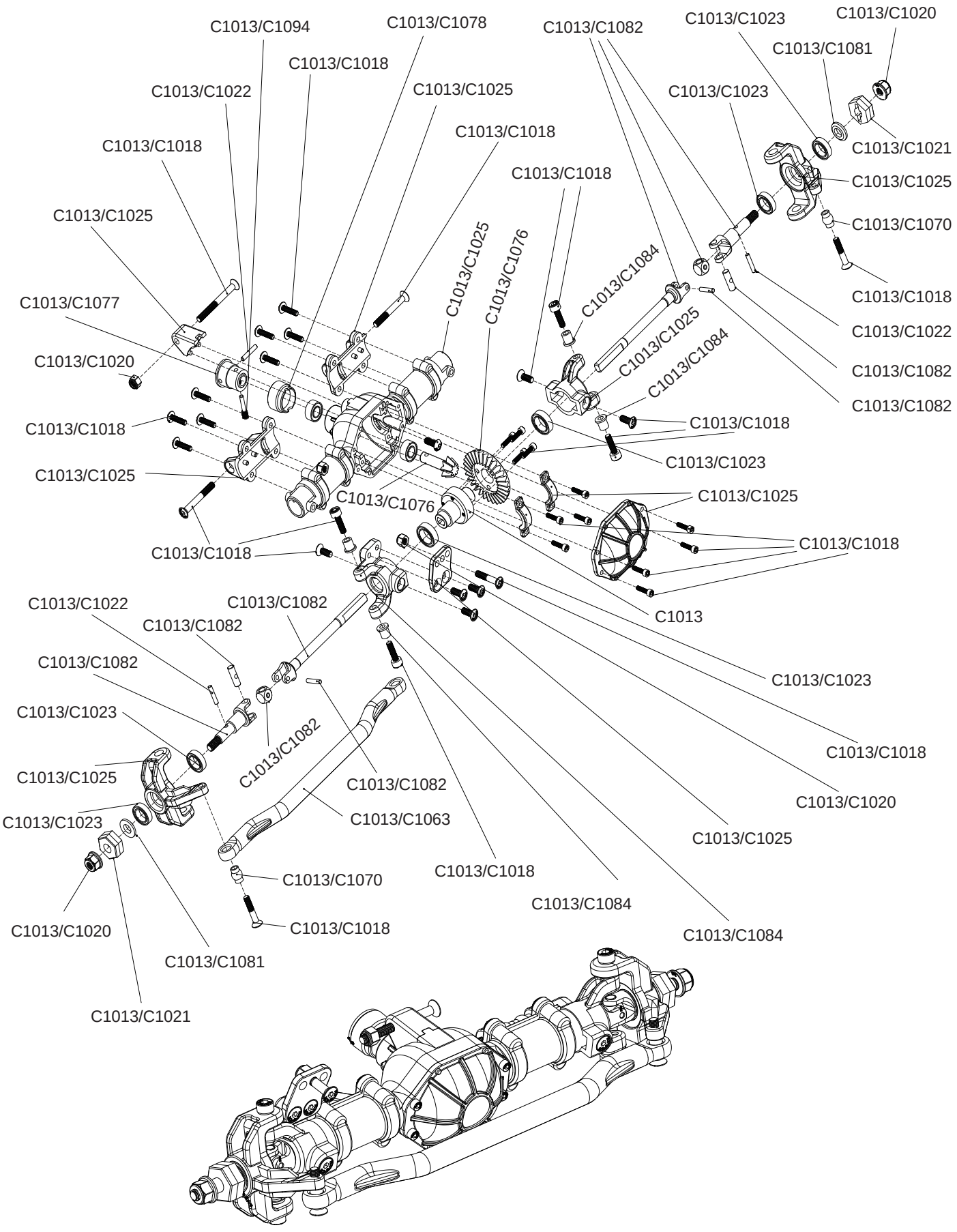
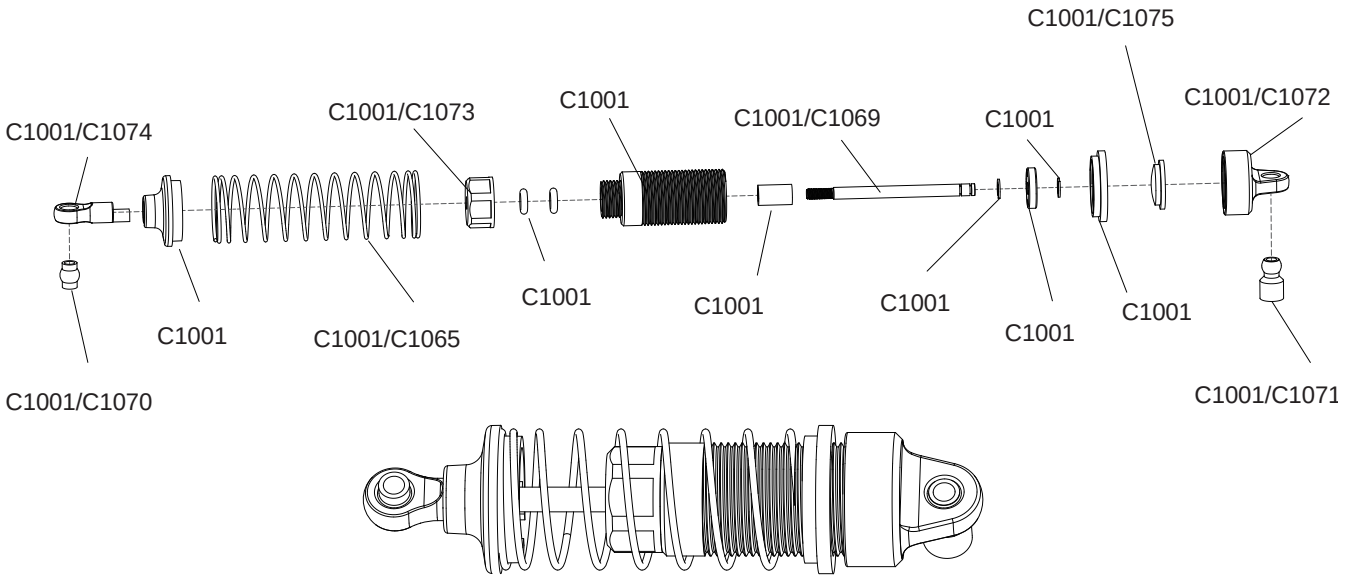
C1003
C1003
C1003/C1042
C1018
C1018

## (EN)FRONT AXLE ASSEMBLY
## (FR)MONTAGE DE L'ESSIEU AVANT

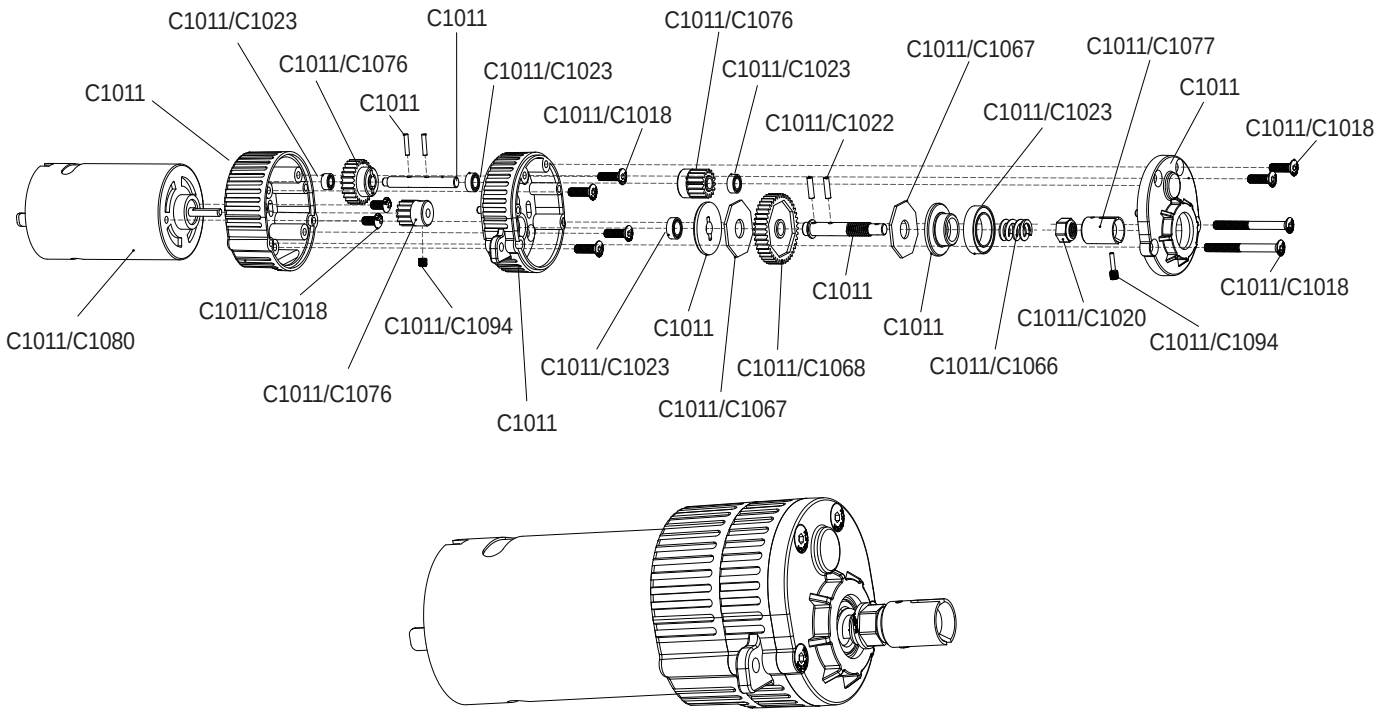
## (DE)EXPLOSIONSZEICHNUNG DER VORDERACHSE
## (CN)前桥装配



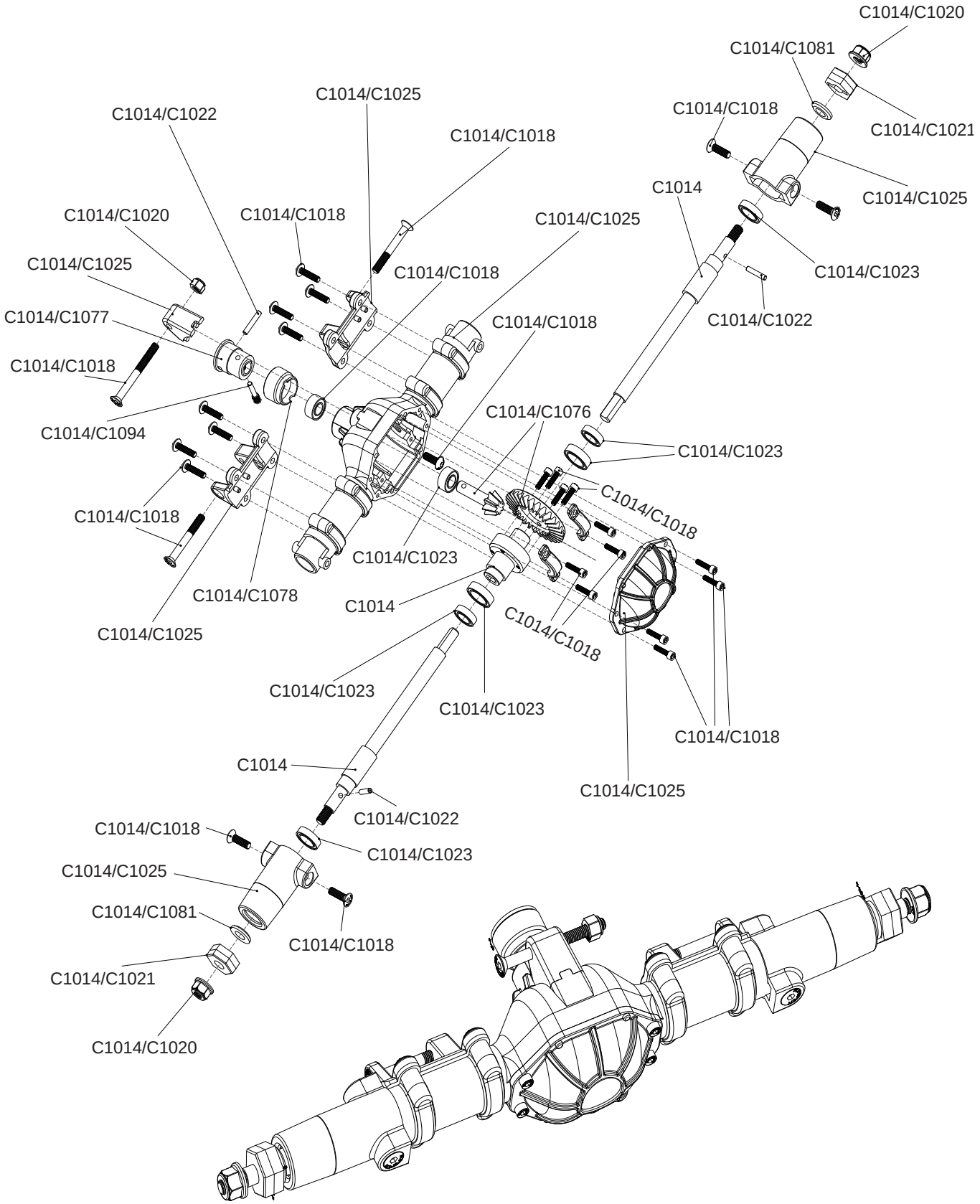
## (EN)OIL SHOCK ABSORBERS ASSEMBLY
## (FR)MONTAGE DES AMORTISSEURS HYDRAULIQUES
## (DE)EXPLOSIONSZEICHNUNG DES ÖLDRUCKSTOßDÄMPFERS
## (CN)油式避震器装配



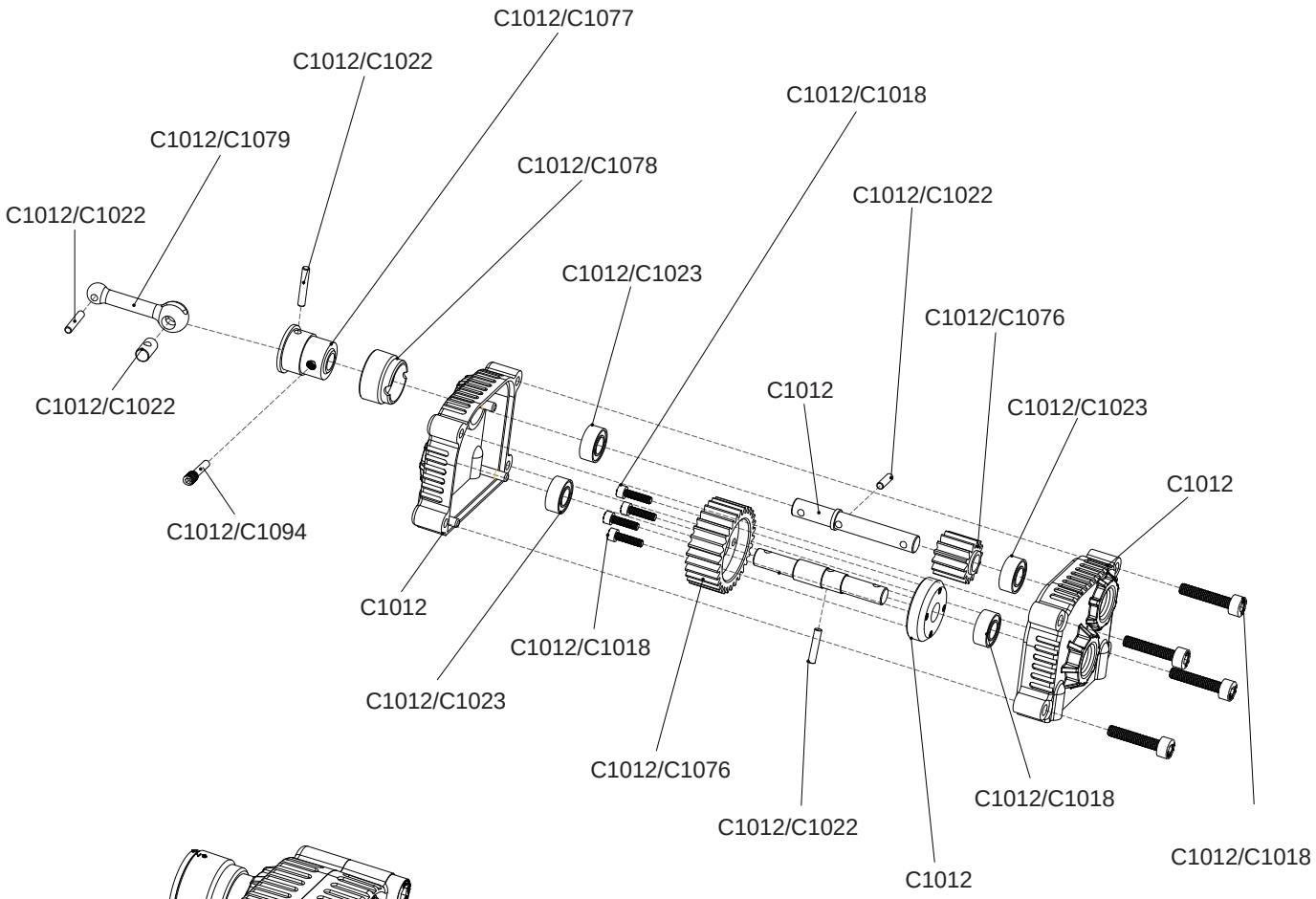

## (EN)MAIN GEAR BOX ASSEMBLY
## (FR)MONTAGE DU RÉDUCTEUR PRINCIPAL
## (DE)EXPLOSIONSZEICHNUNG DER MOTORGETRIEBEBOX
## (CN)驱动牙箱组装配

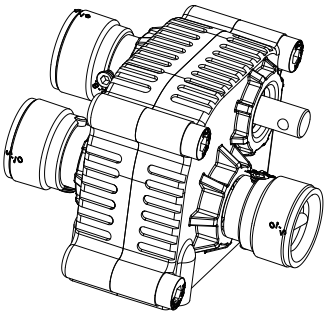


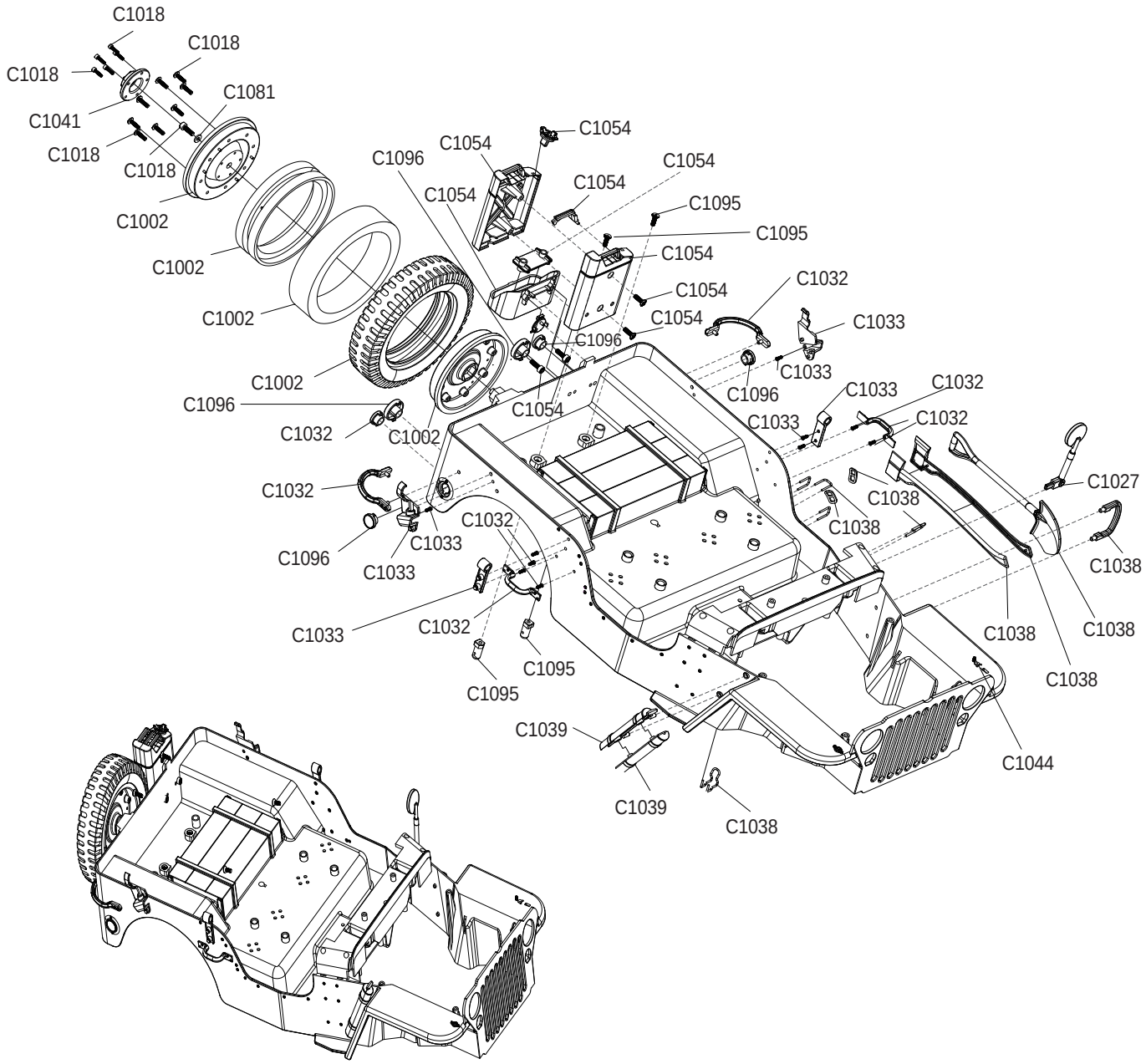
## (EN)REAR AXLE ASSEMBLY
## (FR)MONTAGE DE L'ESSIEU ARRIÈRE
## (DE)EXPLOSIONSZEICHNUNG DER HINTERACHSE
## (CN)后桥装配



## (EN)TRANSMISSION GEAR BOX ASSEMBLY
## (FR)MONTAGE DU BOÎTIER DE TRANSMISSION
## (DE)EXPLOSIONSZEICHNUNG DER GETRIEBEBOX / ACHSABTRIEB
## (CN)中传动牙箱装配

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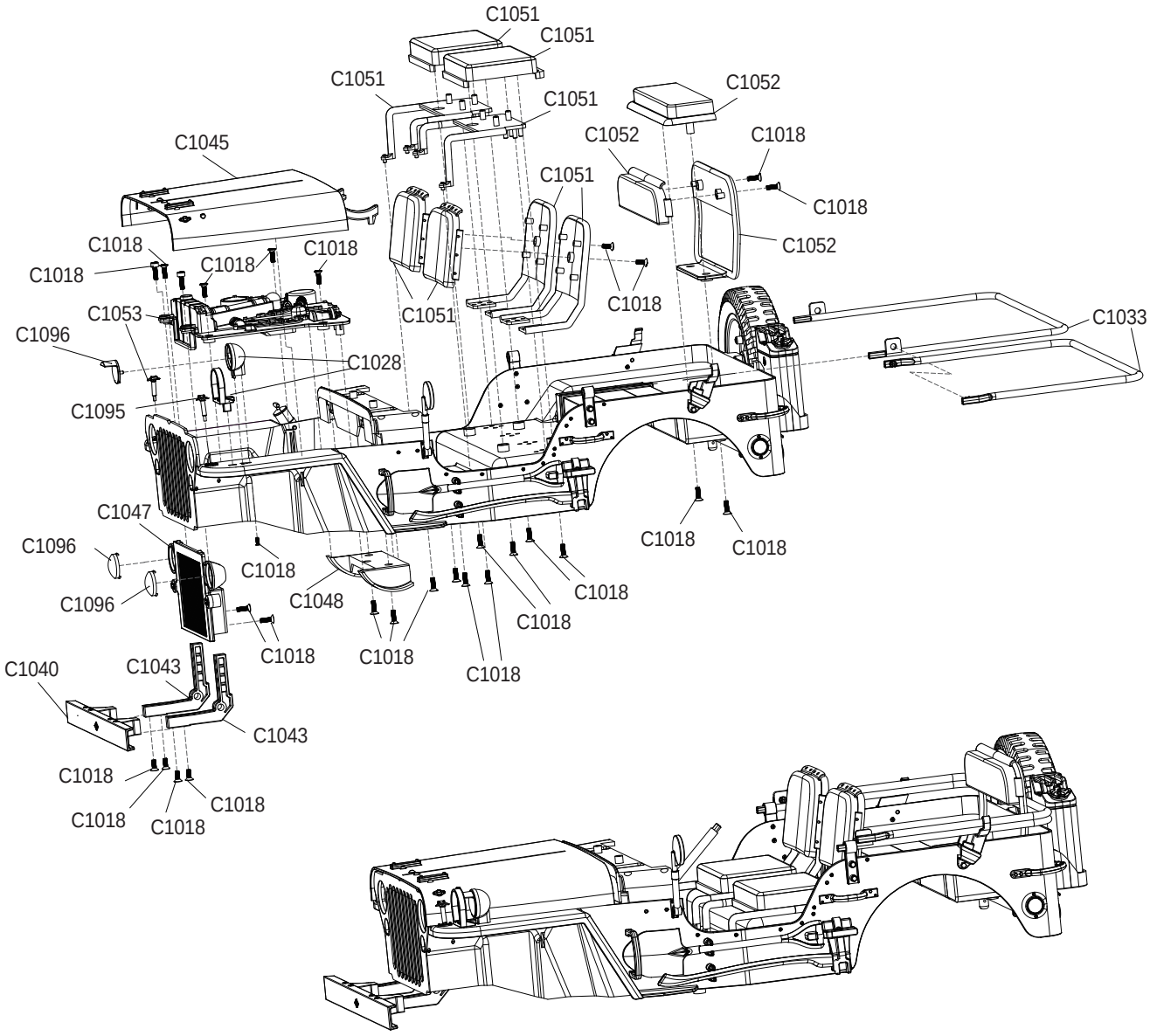
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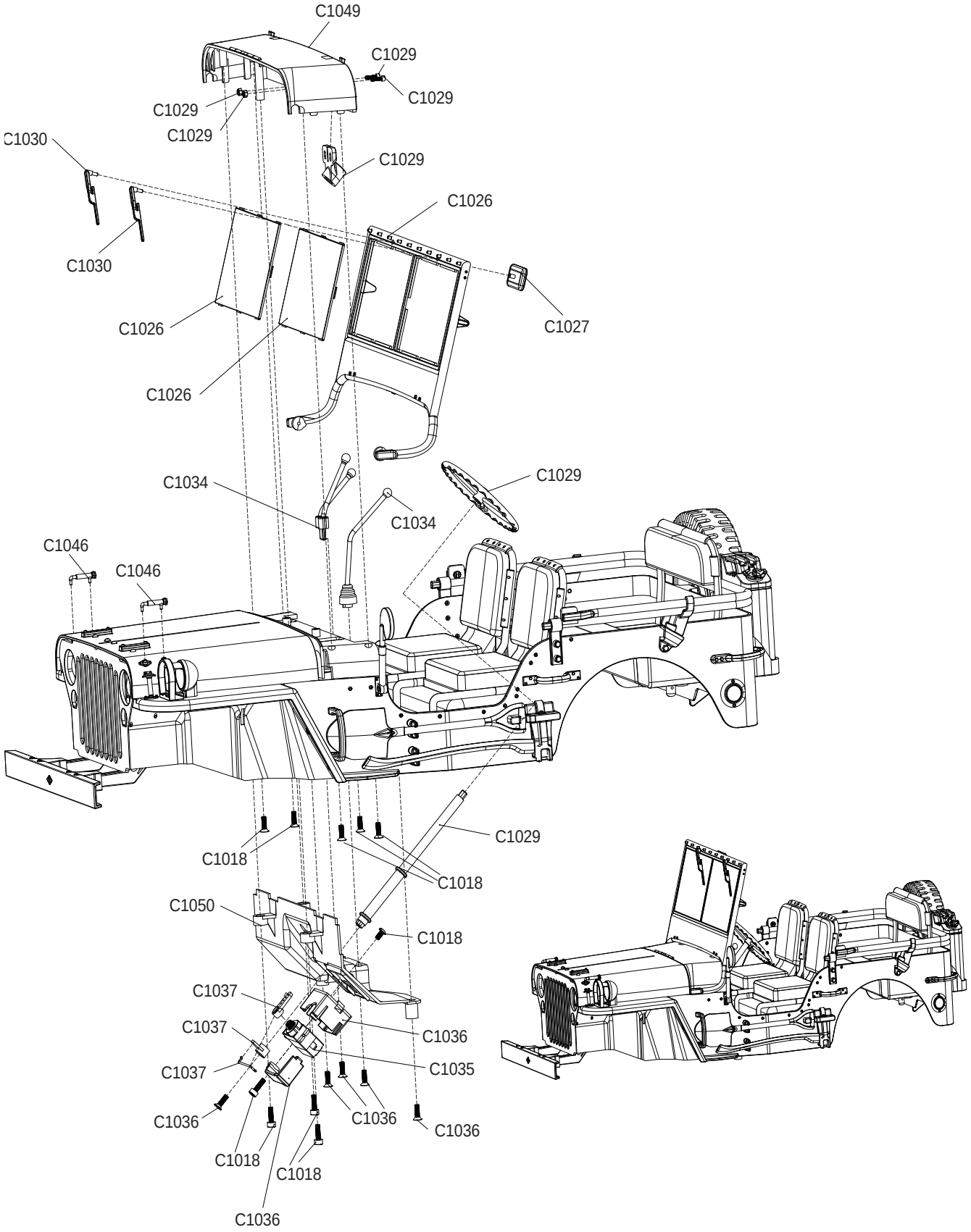
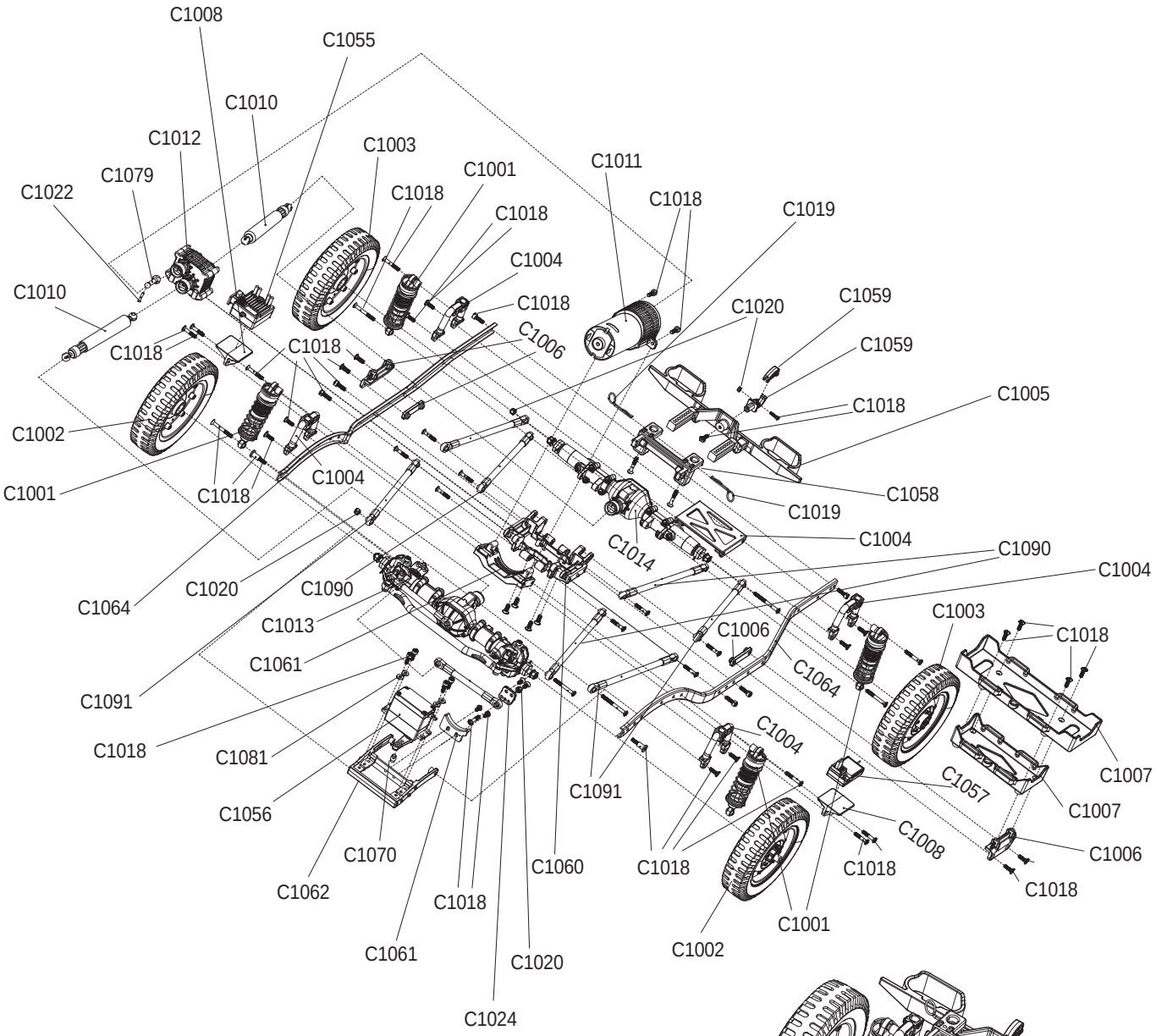
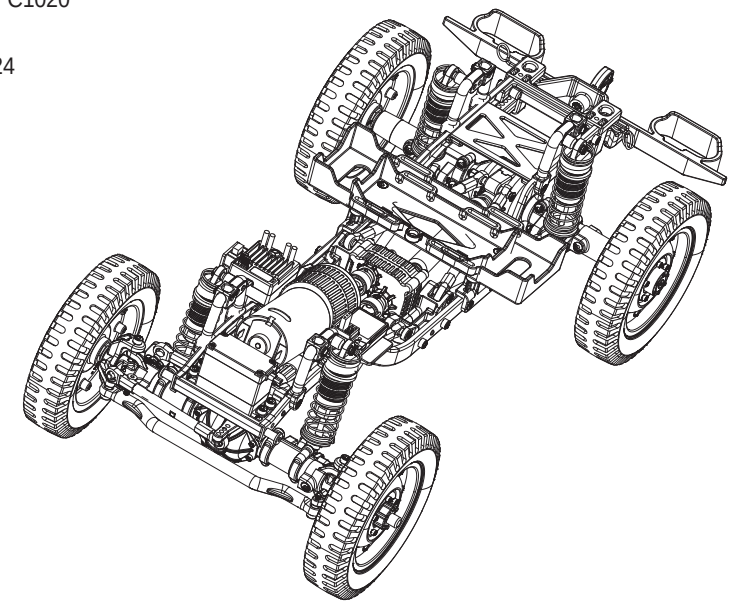
**(EN)CAR BODY ASSEMBLY 3**
**(FR)MONTAGE DE CARROSSERIE - 3**
**(DE)EXPLOSIONSZEICHNUNG KAROSSERIE TEIL 3**
**(CN)车壳装配三**



## (EN)CHASSIS EXPLOSIVE VIEW
## (FR)VUE ÉCLATÉE DU CHÂSSIS
## (DE)EXPLOSIONSZEICHNUNG CHASSIS
## (CN)车底盘爆炸图



**"S"** for spare part **"O"** for optional part

| PART NUMER | PRODUCT DESCRIPTION | S/O |
|---|---|---|
| C1001 | OIL SHOCK ABSORBERS ASSEMBLY L:80MM (1 PAIR) | S |
| C1002 | 1:6 1941 MB SCALER FRONT WHEELS ASSEMBLY (1 PAIR) | S |
| C1003 | 1:6 1941 MB SCALER REAR WHEELS ASSEMBLY (1 PAIR) | S |
| C1004 | 1:6 1941 MB SCALER OIL SHOCK ABSORBER MOUNT (1 SET) | S |
| C1005 | 1:6 1941 MB SCALER FRONT/REAR BUMPER (1 SET) | S |
| C1006 | 1:6 CRAWLER BATTERY BOX MOUNT (1 SET) | S |
| C1007 | 1:6 CRAWLER BATTERY BOX SHORT/LONG SIZE (1 SET) | S |
| C1008 | 1:6 CRAWLER ESC & RECEIVER MOUNT (1 SET) | S |
| C1009 | BALL CAP FOR LINKAGE AND ROD | S |
| C1010 | 1:6 1941 MB SCALER TRANSMISSION SHAFT ASSEMBLY | S |
| C1011 | 1:6 1941 MB SCALER MAIN GEAR BOX SET | S |
| C1012 | 1:6 1941 MB SCALER TRANSMISSION GEAR BOX ASSEMBLY | S |
| C1013 | 1:6 1941 MB SCALER FRONT AXLE ASSEMBLY | S |
| C1014 | 1:6 1941 MB SCALER REAR AXLE ASSEMBLY | S |
| C1015 | 1941 SCALER CAR BODY ASSEMBLY | S |
| C1016 | 1:6 1941 MB SCALER STEERING C HUB PARTS | S |
| C1017 | 1:6 1941 MB SCALER SHORT BATTERY BOX | O |
| C1018 | 1:6 1941 MB SCALER SPARE SCREW SET | S |
| C1019 | CAR BODY CLIP (BIG SIZE) | S |
| C1020 | SCREW NUT SET | S |
| C1021 | 12MM WHEEL HEX SET | S |
| C1022 | 1:6 1941 MB SCALER PIN LOCK SET | S |
| C1023 | 1:6 1941 MB SCALER BEARING SET | S |
| C1024 | FRONT AXLE PLASTIC PARTS | S |
| C1025 | REAR AXLE PLASTIC PARTS | S |
| C1026 | 1:6 1941 MB SCALER WINDOW FRAME | S |
| C1027 | 1:6 1941 MB SCALER MIRROR SET | S |
| C1028 | 1:6 1941 MB SCALER SPOTLIGHT SET | S |
| C1029 | 1:6 1941 MB SCALER STEERING WHEEL SET | S |
| C1030 | 1:6 1941 MB SCALER WIPER SET | S |
| C1031 | 1:6 1941 MB SCALER CANVAS TOP | O |
| C1032 | 1:6 1941 MB SCALER HANDLE SET | S |
| C1033 | 1:6 1941 MB SCALER WIPER BRACKET SET | S |
| C1034 | 1:6 1941 MB SCALER GAG LEVER POST SET | S |
| C1035 | 1:6 1941 MB SCALER 9G SERVO FOR STEERING WHEEL | S |
| C1036 | 1:6 1941 MB SCALER 9G SERVO MOUNT SET | S |
| C1037 | 1:6 1941 MB SCALER 9G SERVO HORN SET | S |
| C1038 | 1:6 1941 MB SCALER AXE AND SAND SHOVEL SET | S |
| C1039 | 1:6 1941 MB SCALER COMPRESSOR GUN | S |
| C1040 | 1:6 1941 MB SCALER FRONT BUMPER | S |
| C1041 | 1:6 1941 MB SCALER FRONT WHEEL COVER (1 PAIR) | S |
| C1042 | 1:6 1941 MB SCALER REAR WHEEL COVER (1 PAIR) | S |
| C1043 | 1:6 1941 MB SCALER FRONT BUMPER BRACKET | S |
| C1044 | 1:6 1941 MB SCALER CAR BODY SHELL | S |
| C1045 | 1:6 1941 MB SCALER HOOD | S |
| C1046 | 1:6 1941 MB SCALER WINDOW FRAME & HOOD LOCK | S |
| C1047 | 1:6 1941 MB SCALER EXHAUSTION PLATE | S |
| C1048 | 1:6 1941 MB SCALER INSTRUMENT PANEL SPLINT | S |

**"S"** for spare part **"O"** for optional part

| PART NUMER | PRODUCT DESCRIPTION | S/O |
|---|---|---|
| C1049 | 1:6 1941 MB SCALER INSTRUMENT PANEL | S |
| C1050 | 1:6 1941 MB SCALER THROTTLE PLATE | S |
| C1051 | 1:6 1941 MB SCALER FRONT SEAT | S |
| C1052 | 1:6 1941 MB SCALER REAR SEAT | S |
| C1053 | 1:6 1941 MB SCALER ENGINE PLATE | S |
| C1054 | 1:6 1941 MB SCALER PORTABLE FUEL TANK KIT PACK | S |
| C1055 | WATERPROOF 60A BRUSHED ESC | S |
| C1056 | WATERPROOF 15KG METAL GEAR SERVO | S |
| C1057 | WATERPROOF 2.4G RECEIVER | S |
| C1058 | 1:6 1941 MB SCALER REAR BUMPER BRACKET | S |
| C1059 | 1:6 1941 MB SCALER TRAILER HOOR | S |
| C1060 | 1:6 1941 MB SCALER TRANSMISSION GEAR BOX MOUNT | S |
| C1061 | 1:6 1941 MB SCALER MOTOR BRACKET SET | S |
| C1062 | 1:6 1941 MB SCALER STEERING SERVO BRACKET | S |
| C1063 | 1:6 1941 MB SCALER STEERING LINK | S |
| C1064 | 1:6 1941 MB SCALER GIRDER | S |
| C1065 | 1:6 1941 MB SCALER OIL SHOCK ABSORBERS SPRING | S |
| C1066 | 1:6 1941 MB SCALER SLIPPER SPRING | S |
| C1067 | 1:6 1941 MB SCALER SLIPPER PAD | S |
| C1068 | 1:6 1941 MB SCALER SPUR GEAR 42T 0.6 | S |
| C1069 | 1:6 1941 MB SCALER OIL SHOCK ABSORBERS SHAFT | S |
| C1070 | 1:6 1941 MB SCALER 5.8 BALL HEAD | S |
| C1071 | 1:6 1941 MB SCALER 5.8 BALL TUBE | S |
| C1072 | 1:6 1941 MB SCALER OIL SHOCK ABSORBERS UPPER COVER | S |
| C1073 | 1:6 1941 MB SCALER OIL SHOCK ABSORBERS LOWER COVER | S |
| C1074 | 1:6 1941 MB SCALER OIL SHOCK ABSORBERS UPPER COVER BALL HEAD | S |
| C1075 | 1:6 1941 MB SCALER OIL SHOCK ABSORBERS UPPER COVER SEALING FLAT-PLATE | S |
| C1076 | 1:6 1941 MB SCALER GEAR SET | S |
| C1077 | 1:6 1941 MB SCALER DRIVE CUP SET | S |
| C1078 | 1:6 1941 MB SCALER DRIVE CUP COVER | S |
| C1079 | 1:6 1941 MB SCALER SHORT DOG BONE SET | S |
| C1080 | 35T BRUSHED 550 MOTOR | S |
| C1081 | GASKET SET | S |
| C1082 | 1:6 1941 MB SCALER FRONT OUTDRIVE SHAFT ASSEMBLY | O |
| C1083 | 1:6 1941 MB SCALER ALUMINIUM STEERING C HUB PARTS | O |
| C1084 | BUSHING SET | O |
| C1085 | 1:6 1941 MB SCALER ALUMINIUM STEERING BRACKET SET | O |
| C1086 | 1:6 1941 MB SCALER ALUMINIUM WIPER BRACKET SET | O |
| C1087 | 1:6 1941 MB SCALER ALUMINIUM REAR BUMPER | O |
| C1088 | 1:6 1941 MB SCALER ALUMINIUM FRONT BUMPER | O |
| C1089 | 1:6 1941 MB SCALER MACHINE GUN | O |
| C1090 | 1:6 1941 MB SCALER METAL LINK L:92MM | S |
| C1091 | 1:6 1941 MB SCALER METAL LINK L:85MM | S |
| C1092 | 1:6 1941 MB SCALER METAL LINK L:41MM | S |
| C1093 | 1:6 1941 MB SCALER METAL LINK L:54MM | S |
| C1094 | 1:6 1941 MB SCALER SET SCREWS | S |
| C1095 | 1:6 1941 MB SCALER BODY POST | S |

**"S"** for spare part **"O"** for optional part

| PART NUMER | PRODUCT DESCRIPTION | S/O |
|---|---|---|
| C1096 | 1:6 1941 MB SCALER BODY LENS SET | S |
| C1097 | 1:6 1941 MB SCALER PINION GEAR | S |
| C1098 | 1:6 1941 MB SCALER 2.4G TRANSMITTER | S |
| C1099 | 1:6 1941 MB SCALER 2.4G TRANSMITTER RECEIVER SET | S |
| C1100 | 1:6 1941 MB SCALER REAR WHEEL SHAFT | S |

**"S"** 为配件　　**"O"** 为升级件

| PART NUMER | PRODUCT DESCRIPTION | S/O |
|---|---|---|
| C1001 | 避振器品成 长:80mm (一对) | S |
| C1002 | 1:6 1941 MB 攀登者 前车轮品成(一对) | S |
| C1003 | 1:6 1941 MB 攀登者 后车轮品成(一对) | S |
| C1004 | 1:6 1941 MB 攀登者 避振器码件(1套) | S |
| C1005 | 1:6 1941 MB 攀登者 后防撞 | S |
| C1006 | 1:6 1941 MB 攀登者 电池盒固定件(一套) | S |
| C1007 | 1:6 1941 MB 攀登者 电池盒固定件(一套) | S |
| C1008 | 1:6 1941 MB 攀登者 电调及接收机固定件(一套) | S |
| C1009 | 连杆波帽 | S |
| C1010 | 传动轴品成 | S |
| C1011 | 驱动牙箱组散件 | S |
| C1012 | 中传动牙箱品成 | S |
| C1013 | 前桥品成 | S |
| C1014 | 后桥品成 | S |
| C1015 | 车壳品成 | S |
| C1016 | 1:6 1941 MB 攀登者 转向C座件 | S |
| C1017 | 1:6 1941 MB 攀登者 短版电池盒 | O |
| C1018 | 1:6 1941 MB 攀登者 螺丝包 | S |
| C1019 | 车壳销针 | S |
| C1020 | 1:6 1941 MB 攀登者 螺母包 | S |
| C1021 | 12mm 车轮6角件 | S |
| C1022 | 1:6 1941 MB 攀登者销针 | S |
| C1023 | 1:6 1941 MB 攀登者 轴承包 | S |
| C1024 | 前桥胶件 | S |
| C1025 | 后桥胶件 | S |
| C1026 | 1:6 1941 MB 攀登者 窗框 | S |
| C1027 | 1:6 1941 MB 攀登者 高清镜 | S |
| C1028 | 1:6 1941 MB 攀登者射灯 | S |
| C1029 | 1:6 1941 MB 攀登者方向盘 | S |
| C1030 | 1:6 1941 MB 攀登者雨刮 | S |
| C1031 | 1:6 1941 MB 攀登者车篷 | O |
| C1032 | 1:6 1941 MB 攀登者手柄 | S |
| C1033 | 1:6 1941 MB 攀登者车篷支架 | S |
| C1034 | 1:6 1941 MB 攀登者挡杆 | S |
| C1035 | 1:6 1941 MB 攀登者 9克舵机 | S |
| C1036 | 1:6 1941 MB 攀登者 9克舵机码件 | S |
| C1037 | 1:6 1941 MB 攀登者 9克舵机遥臂 | S |
| C1038 | 1:6 1941 MB 攀登者 斧子/沙铲 | S |
| C1039 | 1:6 1941 MB 攀登者 润滑油冲压机 | S |
| C1040 | 1:6 1941 MB 攀登者 前防撞 | S |
| C1041 | 1:6 1941 MB 攀登者 前轮芯盖(一对) | S |
| C1042 | 1:6 1941 MB 攀登者 后轮芯盖(一对) | S |
| C1043 | 1:6 1941 MB 攀登者 前防撞支架 | S |
| C1044 | 1:6 1941 MB 攀登者 车壳主体 | S |
| C1045 | 1:6 1941 MB 攀登者 引擎罩 | S |
| C1046 | 1:6 1941 MB 攀登者 车窗扣/引擎罩扣 | S |
| C1047 | 1:6 1941 MB 攀登者 排气板 | S |
| C1048 | 1:6 1941 MB 攀登者 仪表板托件 | S |

**"S"** 为配件　　**"O"** 为升级件

| PART NUMER | PRODUCT DESCRIPTION | S/O |
|---|---|---|
| C1049 | 1:6 1941 MB 攀登者 仪表板 | S |
| C1050 | 1:6 1941 MB 攀登者 油门板 | S |
| C1051 | 1:6 1941 MB 攀登者 前座椅 | S |
| C1052 | 1:6 1941 MB 攀登者 后座椅 | S |
| C1053 | 1:6 1941 MB 攀登者 引擎板 | S |
| C1054 | 1:6 1941 MB 攀登者 油桶 | S |
| C1055 | 1:6 1941 MB 攀登者 防水60A电调 | S |
| C1056 | 1:6 1941 MB 攀登者 防水15KG 金属齿舵机 | S |
| C1057 | 2.4G 防水接收器 | S |
| C1058 | 1:6 1941 MB 攀登者 后防撞支架 | S |
| C1059 | 1:6 1941 MB 攀登者 拖车钩 | S |
| C1060 | 1:6 1941 MB 攀登者 中传动牙箱码件 | S |
| C1061 | 1:6 1941 MB 攀登者 中传动牙箱支架 | S |
| C1062 | 1:6 1941 MB 攀登者 转向舵机支架 | S |
| C1063 | 1:6 1941 MB 攀登者 转向连杆 | S |
| C1064 | 1:6 1941 MB 攀登者 金属大梁 | S |
| C1065 | 1:6 1941 MB 攀登者 避振弹簧 | S |
| C1066 | 1:6 1941 MB 攀登者 限滑器弹簧 | S |
| C1067 | 1:6 1941 MB 攀登者 限滑片 | S |
| C1068 | 1:6 1941 MB 攀登者 大齿42T 0.6 | S |
| C1069 | 1:6 1941 MB 攀登者 油压芯 | S |
| C1070 | 1:6 1941 MB 攀登者 5.8波头 | S |
| C1071 | 1:6 1941 MB 攀登者 5.8波套 H12mm | S |
| C1072 | 1:6 1941 MB 攀登者 避振上盖 | S |
| C1073 | 1:6 1941 MB 攀登者 避振下盖 | S |
| C1074 | 1:6 1941 MB 攀登者 避振波帽 | S |
| C1075 | 1:6 1941 MB 攀登者 避振密封平垫 | S |
| C1076 | 1:6 1941 MB 攀登者 齿轮套装 | S |
| C1077 | 1:6 1941 MB 攀登者 驱动杯套装 | S |
| C1078 | 1:6 1941 MB 攀登者 驱动杯套 | S |
| C1079 | 1:6 1941 MB 攀登者 短狗骨套装 | S |
| C1080 | 35T 有刷550电机 | S |
| C1081 | 垫圈 | S |
| C1082 | 前轮转动轴组装 | O |
| C1083 | 1:6 1941 MB 攀登者 金属转向C座件 | O |
| C1084 | 套筒介子 | O |
| C1085 | 1:6 1941 MB 攀登者 金属转向支架 | O |
| C1086 | 1:6 1941 MB 攀登者 金属车篷支架 | O |
| C1087 | 1:6 1941 MB 攀登者 金属后防撞 | O |
| C1088 | 1:6 1941 MB 攀登者 金属前防撞 | O |
| C1089 | 1:6 1941 MB 攀登者 机枪 | O |
| C1090 | 1:6 1941 MB 攀登者 金属拉杆 L:92mm | S |
| C1091 | 1:6 1941 MB 攀登者 金属拉杆 L:85mm | S |
| C1092 | 1:6 1941 MB 攀登者 金属拉杆 L:41mm | S |
| C1093 | 1:6 1941 MB 攀登者 金属拉杆 L:54mm | S |
| C1094 | 1:6 1941 MB 攀登者 机米 | S |
| C1095 | 1:6 1941 MB 攀登者 车面锁扣件 | S |
| C1096 | 1:6 1941 MB 攀登者 灯灯片 | S |

**"S"** 为配件　　**"O"** 为升级件

| PART NUMER | PRODUCT DESCRIPTION | S/O |
|---|---|---|
| C1097 | 1:6 1941 MB 攀登者 马达齿 | S |
| C1098 | 1:6 1941 MB 攀登者 发射器 | S |
| C1099 | 1:6 1941 MB 攀登者 发射器及接收器 | S |
| C1100 | 1:6 1941 MB 攀登者 后轮轴 | S |

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