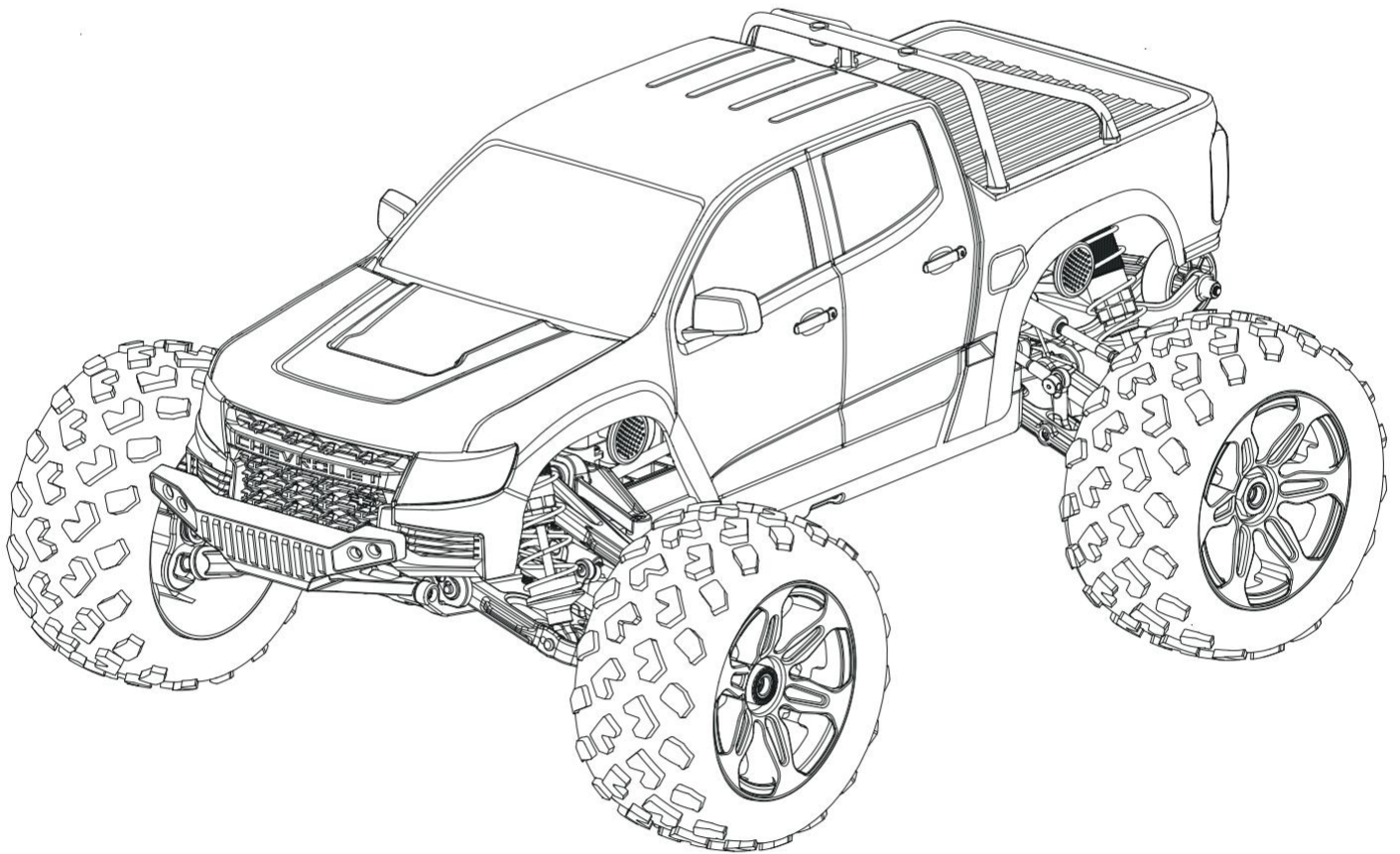


FMS

1/10 CHEVROLET COLORADO



FMT10
BRUSHLESS VERSION

MAN-G0309

Instruction Manual

操作手册

Disclaimer and Warning 免责声明与警告

Thank you for purchasing our product. This product is composed of precision components and is not a toy. It is not suitable for use by individuals under the age of 14. Please do not allow children to come into contact with this product. Exercise extra caution when operating this product in the presence of children. This product is a remote-controlled model and will provide a smooth and easy operating experience when the power is functioning correctly, and all components are undamaged. Visit www.fmshobby.com to access the latest product manual and related supplementary instructions and warnings. We reserve the right to update this manual. If there are updates to this manual, they will not be notified separately.

Before using the product, please carefully read this product manual to understand your legal rights, responsibilities, and safety instructions. Failure to do so may result in property damage, safety incidents, and personal safety risks. Once you use this product, it is considered that you have understood, accepted, and agreed to all the terms and content of this manual. Users are responsible for their actions and all consequences arising from them. Users commit to using this product only for legitimate purposes and agree to all the terms and content in this manual as well as any relevant policies or guidelines that our company may establish. Our company and distributors are not liable for any losses caused by users not following the product manual. In compliance with laws and regulations, our company reserves the final interpretation of this manual. Our company has the right to update, revise, or terminate these terms without prior notice.

This manual is intended to assist you in correctly operating, maintaining, and repairing the vehicle. Since most of the components involved in this product are unique parts, please keep this manual for future reference.

感谢您购买我们的产品。本产品由精密部件组成，并非玩具，因此不适合 14 岁以下的人士使用。请勿让儿童接触本产品。在有儿童出现的场景操作时请务必特别小心注意。本产品是一款遥控模型产品，在电源正常工作及各部件未损坏的情况下将提供轻松自如的操作体验。请访问以下网址www.fmshobby.com获取最新的产品手册及相关附加说明与警告。我司保留更新本手册的权力。本手册如有更新，恕不另行通知。

请务必在使用产品之前仔细阅读本产品手册，了解您的合法权益、责任和说明，否则，可能带来财产损失、安全事故和人身安全隐患。一旦使用本产品，即视为您已理解、认可和接受本手册全部条款和内容。使用者承诺对自己的行为及因此而产生的所有后果负责。使用者承诺仅出于正当目的使用本产品，并且同意本手册内的全部条款和内容及我司可能制定的任何相关政策或者准则。我司及分销商不承担因用户未按产品手册使用产品所引发的一切损失。在遵从法律法规的情况下，我司享有对本手册的最终解释权。我司有权在不事先通知的情况下，对本条款进行更新改版或终止。

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。

Safety, precautions and warnings 安全、预防措施及警告

- 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.

- 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。




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.

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。

Safety symbols 安全符号

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

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。

 Danger 危险	Not following these instructions may lead to serious injuries or death. 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严重受伤，甚至遭受生命危险。
 Warning 危险	Not following these instructions may lead to major injuries. 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严重伤害。
 Caution 危险	Not following these instructions may lead to minor injuries. 如果不按照说明方法操作，可能导致操作者或他人受到轻微伤害。

Safety guide 安全信息

Prohibited 禁止

- Do not use the product at night or in bad weather like rain or thunderstorm. It can cause erratic operation or loss of control.
- Do not use the product when visibility is limited.
- Do not use the product on rain or snow days. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.
- Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:
 - 1、Near any site where other radio control activity may occur
 - 2、Near power lines or communication broadcasting antennas
 - 3、Near people or roads
 - 4、On any body of water when passenger boats are present

- Do not use this product when you are tired, uncomfortable, or under the influence of alcohol or drugs. Doing so may cause serious injury to yourself or others.
- The 2.4GHz radio band is limited to line of sight. Always keep your model in sight as a large object can block the RF signal and lead to loss of control.
- Do not touch any part of the model that may generate heat during operation, or immediately after use. The engine, motor or speed control, may be very hot and can cause serious burns.
- Please ensure that the magnetic connectors on the chassis and car shell do not come into contact with metal objects to prevent any potential electronic short circuits!

• 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。

• 请勿在操作过程中或使用后立即触摸模型可能产生热量的任何部分。发动机、电机或速度控制器可能非常热，并可能导致严重烧伤。

• 请务必确保底盘和车壳上的磁体结合件不与金属物品接触，以免引发电子短路！

Mandatory 强制

• 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.

• 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。

• 当遥控距离较远时，有发生失控的可能，请适当缩短遥控距离。

DoC Declaration

Hereby, the radio equipment is in conformity with the essential requirements of Article 3.1 (a) the protection of the health, 3.1 (b) an adequate level of electromagnetic compatibility and 3.2 effective use of the spectrum of 2014/53/EU. Certificate Number: GTS202207000092EV1

CE Warning

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

FCC Statement

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:

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

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

1. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

2. Move all your channels to the desired position.
3. Select [All channels] and then [Yes] in the confirmation box.

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.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS



Background 产品背景

The Chevrolet Colorado, a midsize pickup truck introduced by General Motors in 2004, was created to meet the demand for a smaller, more economical alternative to fullsize pickups. Designed with practicality, comfort, and modern technology in mind, the Colorado fills a gap in the market for nimble, fuel-efficient trucks.

The popularity of this truck stems from its combination of power performance and versatile control. With a range of powertrains, from an efficient four-cylinder to a robust V6, it suits various driving needs. Its compact size and rugged suspension make it equally at home in the city and off-road.

Many owners modify their Colorados into monster trucks, enhancing off-road performance and visual appeal with oversized tires and upgraded suspensions. These modified trucks are a common sight at events like "Monster Jam". At these events, although the Colorado is not a dedicated monster truck, its durability and robustness leave a strong impression, earning awards and captivating audiences. These modifications highlight the truck's adaptability and the owners' enthusiasm for customization.

雪佛兰科罗拉多 (Chevrolet Colorado) 是通用汽车公司于 2004 年推出的一款中型皮卡, 旨在满足人们对更小、更经济的全尺寸皮卡的需求。科罗拉多在设计上充分考虑了实用性、舒适性和现代技术, 填补了灵活、省油卡车市场的空白。

这款卡车之所以广受欢迎, 是因为它融合了动力性能和控制多功能性。从高效的四缸发动机到强劲的 V6 发动机, 科罗拉多拥有多种动力系统, 可满足各种驾驶需求。其紧凑的车身和坚固的悬挂系统使其在城市和越野路面都能游刃有余。

许多车主将他们的科罗拉多改装成怪兽卡车, 通过超大轮胎和升级悬挂来增强越野性能和视觉吸引力。这些改装卡车在 "Monster Jam" 等活动中屡见不鲜, 在这些活动中, 科罗拉多虽然不是专用的怪兽卡车, 但其耐用性和坚固性给人留下了深刻印象, 赢得了奖项, 吸引了观众。这些改装凸显了卡车的适应性和车主对个性化的热情。

About Model 产品介绍

Authorized by General Motors, FMS has launched the first 1/10 scale racing truck, the FMT10 Colorado. The body retains the unique sporty design of the Colorado, while the chassis features a brand-new FMT series. FMS models have introduced three different paint schemes to ensure every Colorado enthusiast can find their favorite choice.

The new FMT (FMS Monster Truck) series chassis features four-wheel drive and independent suspension, enhancing handling, comfort, and off-road capability. It supports 2S/3S/4S batteries, Equipped with a 2000KV brushless motor, a 120A brushless ESC, and a 35KG torque servo, it can reach speeds of up to 80 km/h. The truck can handle various surfaces such as sand, grass, and gravel, and perform stunts like flips, quick turns, and jumps, delivering an adrenaline-pumping experience.

The FMT10 boasts a unique design with a metal chassis, metal tie rods, and full ball bearings throughout the vehicle, ensuring stability and durability during jumps and aggressive driving. CNC-machined components like connectors and servo cases enhance the overall quality and feel of the truck. The body shell features a quick-release structure, allowing it to be easily detached from the chassis in 2 seconds with a gentle push, while the clever design ensures no interference from obstacles at the connection points.

Unlike other similar models on the market, which often feature monotonous brown colors, the FMT10 Colorado showcases a sporty style with a multi-color combination of black, orange, and gray. The chassis is laser-engraved with a dragon pattern, adding visual impact. The truck is designed for easy assembly and modification, with a modular design and ample chassis space providing more opportunities for creativity and customization.

The FMT10 Colorado is a high-performance, well-designed, and outstandingly crafted racing truck. Developed with great effort by FMS, it aims to offer players the ultimate experience.

由通用汽车公司授权，FMS推出第一款1/10竞速卡车FMT10科罗拉多；车身保持科罗拉多独有的运动设计风格，底盘采用全新FMT系列，FMS模型一次性推出三款不同的涂装，确保每一位科罗拉多爱好者都能找到心仪之选。

全新的FMT (FMS Monster Truck) 系列底盘；四驱独立悬挂增强了操控性、舒适性、越野能力；支持2S/3S/4S电池，配备2000KV无刷电机、120A无刷电调、35KG扭力舵机，极速可达80Km/h；可以在沙漠、草地、石子路.....等各种路面畅跑；可以完成空翻、快速转弯、飞坡等特技表演，让玩家体验肾上腺素飙升的快感。

FMT10拥有独特的设计风格：金属底盘、金属拉杆、全车滚珠轴承，确保在飞坡或暴力行驶中的稳定性和耐用性；CNC加工的连接件和舵机壳等有效提升整车的质量和质感。车壳采用最新的快拆结构，前后轻轻一压，2秒内即可轻松与底盘分离，而巧妙的设计确保连接处不受障碍物干扰。

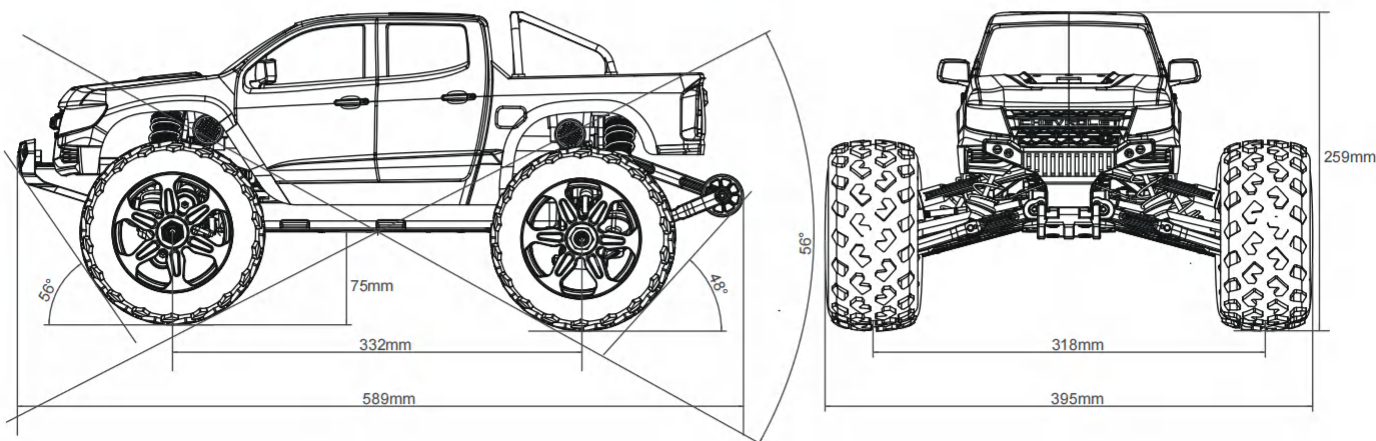
有别于市面同款车型千篇一律的褐色，FMT10科罗拉多车身采用多色组合的方式展现运动风格，以黑色、橙色为主色调；底盘上镭雕有龙图案，增添了视觉冲击力；车子的拆装和改装均十分方便，模块化设计与充裕的底盘空间，为玩家提供了更多创意和自由发挥的可能。

FMT10科罗拉多是一款性能卓越、设计精良、品质出众的竞速车，FMS倾力打造，旨在为玩家提供极致的体验。

Features 特点

- | | |
|--|--|
| <ul style="list-style-type: none"> ● FRONT, MIDDLE & REAR DIFFERENTIALS ● BALL BEARINGS FULL SET ● METAL CHASSIS ● FOUR-WHEEL DRIVE INDEPENDENT SUSPENSION ● BRUSHLESS MOTOR ● BRUSHLESS ESC ● MAXIMUM SPEED 80km/h ● 35KG STEERING SERVO ● CNC-MACHINED METAL PARTS ● RAPID SEPARATION CAR BOOY ● GENERAL MOTORS AUTHORIZATION ● 2.4GHz RADIO ● PERSONALIZED STICKERS ● THREE PAINT SCHEMES | <ul style="list-style-type: none"> ● 前中后差速器 ● 全车滚珠轴承 ● 金属底盘 ● 四驱独立悬挂 ● 4074无刷电机 ● 120A无刷电调 ● 最大速度80Km/h ● 35KG转向舵机 ● CNC工艺金属零件 ● 车壳快拆结构 ● 通用汽车公司授权 ● 2.4GHz遥控 ● 个性化贴纸 ● 3款涂装 |
|--|--|

Specification 产品参数



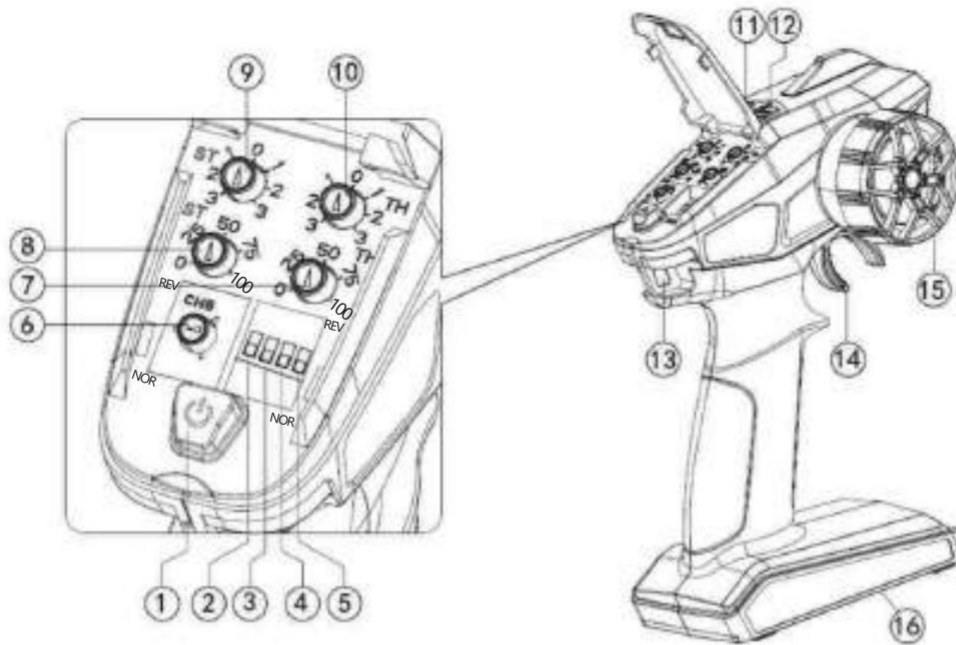
Product Introduction 产品信息

Version	RS	配置	RS
Transmitter	X5P	发射型号	X5P
Receiver	X6F	接收型号	X6F
Recommend Battery	2S 7200mAh,*2	推荐电池	2S 7200mAh *2
	3S 7200mAh*1(50C)		4S 7200mAh *1 (50C)
Brushless Motor	4074 2000KV	无刷电机	4074 2000KV
Motor Gear Pinion	13T(57T)	马达齿数	13T (大齿57T)
Motor Gear Pitch	0.9P	马达齿模数	0.9P
ESC	120-RTR G2 XT60 Brushless	电调	无刷电调 120-RTR G2 XT60头
Steering Servo	35KG Metal Gear	转向舵机	35KG 金属齿
Product Size	589*395*259mm	整车尺寸 (长宽高)	589*395*259mm
Wheelbase	332mm	轴距	332mm
Wheel track	318mm	轮距	318mm
Approach Angle	56°	接近角	56°
Departure Angle	48°	离去角	48°
Breakover Angle	56°	纵向通过角	56°
Ground Clearance	75mm	离地距离	75mm
Steering Type	2WS	转向	前2WS
Maximum steering angle	45°	最大转向角	45°
Maximum Climbing Angle	> 90°	最大爬坡角度	大于90°
Tire Size	150/73mm	轮胎 (直径和宽度)	150/73mm
Wheelhub Size	104/59.7mm	轮毂 (直径和宽度)	104/59.7mm
Wheelhub Adaptor Size	17mm	轮毂接合器尺寸	17mm
Bearing	Full Bearing	轴承	全车轴承
Drive System	4WD	驱动形式	4WD
Waterproof Class	Splash-proof	是否防水	防溅水
Battery Compartment Size	152*53*60mm	电池舱尺寸	152*53*60mm
Maximum Speed	80km/h	最大速度	80km/h
Endurance Reference	30min (4S 7500mAh (50C))	续航时间	30min (4S 7500mAh (50C))
Maximum Control Distance	350m in clear space	最大遥控距离	350M以上的空旷遥控距离

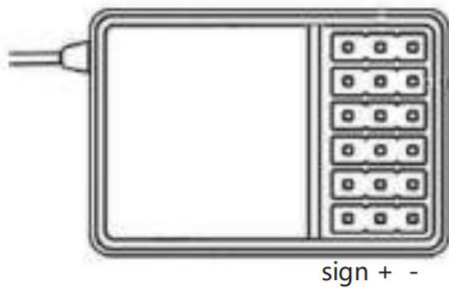
Features 功能特点

- 2.4G spread spectrum technology, FHSS 67-channel pseudo-random frequency hopping,super anti-interference,full digital system ensures without loss of control and anti-jamming;
 - support mixed control of channels 1 and 2, channels 3 and 4, with easier mixed control settings, less prone to accidental touch;
 - Independent setting of servo direction and travel for channels 1 to 4;
 - The unique throttle speed limit adjustment function allows beginners to practice quickly and at a safe speed;
 - Debugging channels 3 and 4 can observe the servo changes, and you can set the channel you need when entering the setting mode, and the others remain unchanged;
 - After accidentally entering the settings mode, it will automatically exit in 5 seconds, and the memory wil not lost, and the subsequent control can still be normal;
 - Transmitter voltage range: 4.8-12V, with automatic voltage identification alarm,3 segments,anti-reverse plugging function;
 - Receiver voltage range: 4.8-10V, operating current 30mA ,support work with high voltage servo;
 - Equipped with a voltage return receiver(optional) ,it supports return the vehicle's battery voltage
 - Cost-effective, with brakes and fail-safe protection function, suitable for cars, boats, and tanks
 - There will be flashing music when switching on and off, automatic power off and alarm after 12 minutes, switching off after 15 minutes and there will be no current;
 - Ergonomically design with 30-degree beveled steering wheel and optional installation of one-handed accessories
-
- 2.4G扩频技术, FHSS 67信道伪随机跳频, 超强抗干扰, 全数字化不失控不死机;
 - 支持1、2通道混控, 3、4通混控, 混控设置更方便, 不容易误碰
 - 1-4通可独立设置正反向和行程量大小;
 - 独特的油门限速调节功能, 让初学者在安全的速度下快速入门练习;
 - 调试3、4通道可以看到能机变化, 进入设置模式需要设置哪个通道可以单独设置其他不变;
 - 不小心误进入设置后, 5秒会自动退出, 而且记忆不会丢失, 同样可以正常操控
 - 遥控器电压范围:4.8-12V, 自动识别电压, 3段式低压报警4.4V/7.4V/10.8V;
 - 接收机电压范围:4.8-10V, 工作电流30mA, 支持高压能机;
 - 配上电压回传接收机, 带车载电压回传功能
 - 高性价比, 适合车、船、坦克用, 带刹车, 失控保护功能.
 - 开关机闪光灯音乐, 自动断电12分钟报警, 15分钟关机0电流
 - 手轮30度斜角, 符合人体工程学, 单手配件选配安装

Channel Functions 遥控器功能介绍



- | | | | |
|-------------------|------------------------|------------|--------------|
| 1)Power Switch | 9) Sub-trim for CH1 | 1)电源开关 | 9)转向中位微调 |
| 2)Reverse for CH1 | 10)Sub-trim for CH2 | 2)1通正反切换开关 | 10)油门中位微调 |
| 3)Reverse for CH2 | 11)CH3 | 3)2通正反切换开关 | 11)第3通道 |
| 4)Reverse for CH3 | 12)CH4 | 4)3通正反切换开关 | 12)第4通道 |
| 5)Reverse for CH4 | 13)Lanyard hole | 5)4通正反切换开关 | 13)挂绳孔 |
| 6)Ch5(Empty) | 14)Throttle/brake(CH2) | 6)第5通道(空白) | 14)油门/刹车(2通) |
| 7)EPA for CH2 | 15)Steering wheel(CH1) | 7)油门舵量旋钮 | 15)转向轮(1通) |
| 8)EPA for CH1 | 16)Battery compartment | 8)转向舵量旋钮 | 16)电池仓 |



- | | |
|-------------------|------------|
| 1) CH1 (steering) | 1)第一通道(转向) |
| 2) CH2 (throttle) | 2)第二通道(油门) |
| 3) CH3 | 3)第三通道 |
| 4)CH4 | 4)第四通道 |
| 5)CH5 | 5)第五通道 |
| 6)CH6 | 6)第六通道 |

Basic Operations 基本操作

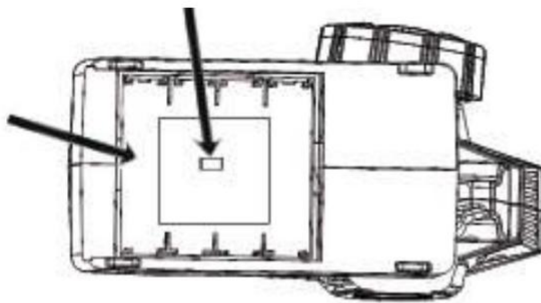
Battery Installation 电池安装

1. Open the battery compartment cover;
2. Install four AA fully charged batteries or 2S lithium battery into the battery compartment, ensuring that the metal terminals on the batteries are connected to the metal terminals in the battery compartment;
3. Close the battery compartment cover;
4. Or insert the lithium battery of the JST head into the external battery connector of the battery compartment.

1. 打开电池舱盖
2. 将4个电量充足的5号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相接，
3. 或者将JST头的锂电池插入电池仓的外接电池接口上；
4. 盖好电池舱盖。

External JST male lithium battery (7.4v) connector
外接JST公头的锂电池(7.4v)接口

4PCS AA batteries
4节5号电池



The battery socket is equipped with an anti-reverse plug function, a positive and negative connection reverse will not burn the device.
电池插口自带防反插功能，正负极接反不会烧毁本产品。

Please use 4 AA batteries or an external JST connector lithium battery for the remote control.
遥控器使用4节5号电池或者外接JST头锂电池

Binding process 对码

The transmitter should be turned on first, press and hold the code key of the receiver for 3 seconds, the indicator light will flash to indicate that it enters the code matching mode, and the receiver will automatically look for the nearest remote-control signal, the indicator light will be on after the code matching is successful. (Pre-configured from the factory)

遥控器先开机，按住接收机上面的对码键3秒，指示灯快闪表示进入对码模式，接收机自动寻找最近的遥控器信号，对码成功后指示灯常亮。(出厂已配好)



LED Lights LED灯

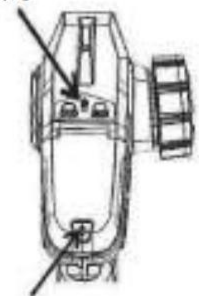
Status lights: blue light is always on for general mode, red light is always on for mixed mode, light is alternately on and off for low voltage alarm, and the light flashes when entering the menu setting mode.

Voltage return lights: 3 green lights and 1 red light, indicating 100%, 75%, 50%, and 25% power respectively, only available on receivers with voltage return.

状态灯: 车用普通舵机控制方向模式蓝色灯常亮混控坦克模式控制方向红色灯常亮，低压报警指示灯交替亮和灭，进入菜单设置模式指示灯闪烁。

电压回传灯: 3个绿色灯，1个红色灯，分别代替100%、75%、50%、25%电量，在有电压回传的接收机上才有此功能。

Voltage Return Lights
电压回传灯



Status Lights
状态灯

Menu Settings 菜单设置

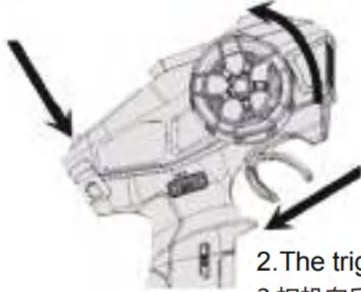
Enter Settings 进入设置

Turn wheel and trigger backward to the maximum at the same time, press the power button to turn on the machine with a sound prompt, **then release the hand wheel and trigger, and press the power button again within 5 seconds.** When the blue status light flashes indicating that it enters the setting mode.

手轮和扣机同时向后打到最大，按电源键开机并伴有声音提示，**松开手轮和扣机，5秒内再按一下电源键**，电源蓝色指示灯闪烁表示进入设置模式。

3.Power on
3.开机

1.The hand wheel backward to the maximum
1.手轮向后拧到最大



4. Press the power button again within 5 seconds, and the blue status light will flash.
4.5秒内再按一下电源键蓝色状态灯会闪烁大



2.The trigger backward to the maximum
2.扣机向后扣到最大

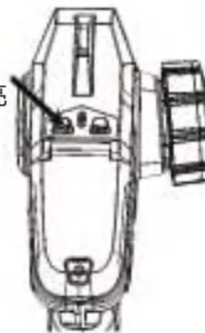
Please screw the directional wheel of CH1 to the left and right 2-3 times with the maximum width, and pull the throttle trigger of CH2 to the front and back 2-3 times with the maximum width, then the calibration of CH1 and 2 is completed. By pressing the button of CH3 with a light on, setting the travel target by screwing the travel knob of CH1, then pressing the button of CH4 with a light on, screwing the travel knob of CH1 again to set the travel target, then the calibration of CH3 and 4 will be completed. After finishing the setting, press the power button again, and please confirm that there is a sound prompt so that the travel calibration of CH1-4 is completed.

把控制1通的方向轮左右最大幅度拧2-3次，把控制2通的油门扣机前后最大幅度来回2-3次，此时完成了1、2通校准。按3通按键同时3通灯亮，通过拧1通行程旋钮设置到想要的行程，再按4通按键同时4通灯亮，再次拧1通行程旋钮设置到想要的行程，此时完成3、4通校准，设置好后按电源键确认伴有声音提示，到此我们完成了1-4通行程的校准。

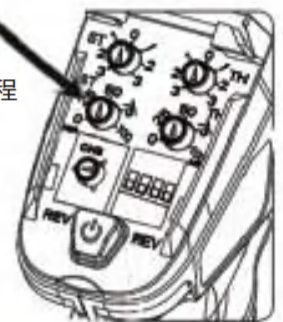
Turn the hand wheel 2-3 times with the maximum width from left to right
手轮左右最大幅度来回拧2-3次



Press the CH3 button, the button light will on
按下3通按键,同时按键灯亮



Screw to the right travel
拧到合适的行程



Turn the trigger 2-3 times with the maximum width from front to back
扣机前后最大幅度来回拧2-3次

Travel calibration of CH1 and CH2
1、2通行程校准

the travel setting of channel 3
3通行程的设置过程



Press the CH4 button, the button light will on
按下4通按键,同时按键灯亮

Screw to the right travel
拧到合适的行程

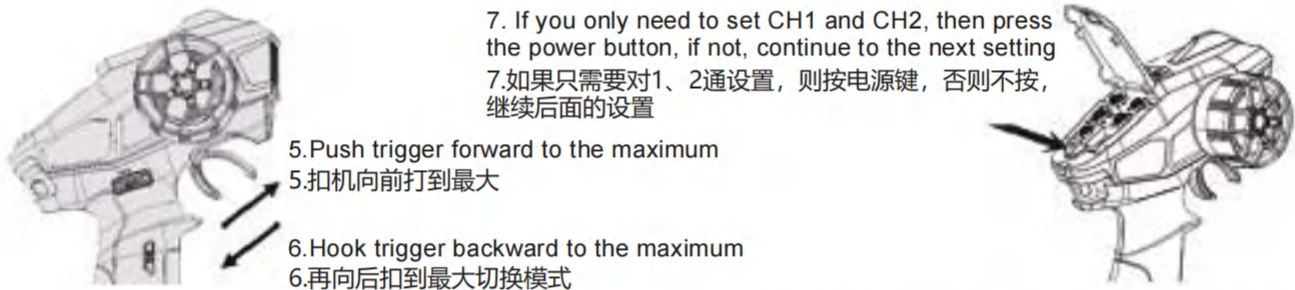
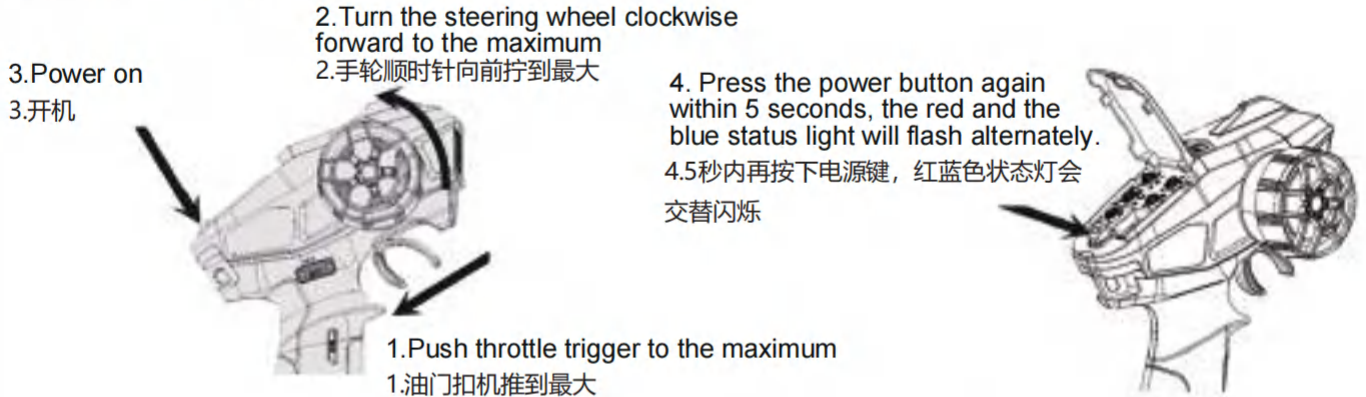


the travel setting of channel 4
4通行程的设置过程

Mode Switching 模式切换

Turn the wheel and trigger forward to the maximum at the same time, press the power button to turn on the machine with a sound prompt, When the red and blue lights flash alternately, release the steering wheel and trigger, and then continue to press the power button within 5 seconds to enter the mode switching. The trigger is pushed forward to the maximum and then hook the trigger backward to the maximum, switching to the corresponding mode (red mixed control, blue normal mode). This completes the mixed control settings for CH1 and CH2. If you only need the mixed control of CH1 and CH2, then press the power button to confirm that the mode switch is complete.

手轮和扣机同时向前打到最大，长按电源键开机并伴有声音提示，红蓝色指示灯会闪烁，**松开手轮和扣机，5秒内再按下电源键进入模式切换。**扣机向前打到最大，然后再向后扣到最大，切换到对应模式(红色混控，蓝色普通模式)，至此完成了1、2通混控设置。如果只需要1、2通混控，则按下电源键确认后模式切换完成。



If you want to operate mixed control for channels 3 and 4, do not press the power button. Please screw the steering wheel forward to the maximum and then backward to the maximum to switch while the status light continues to flash. When the indicator lights of channels 3 and 4 are off, they are in normal mode; when the indicator lights of channels 3 and 4 are on, they are in mixed control. After that, then press the power button to confirm that the mode switch is complete, channel 3 and 4 mixed control cannot adjust the positive and negative of the travel.

如果要对3、4通进行混控操作，则不要按电源键，在状态灯继续闪烁的情况下，手轮向前拧到最大再向后拧到最大切换，当3通4通指示灯灭时3通4通为普通模式，当3通4通指示灯亮时，3通4通为混控式，再按下电源键确认后表示模式切换完成，3通4通混控不可调节行程正反。



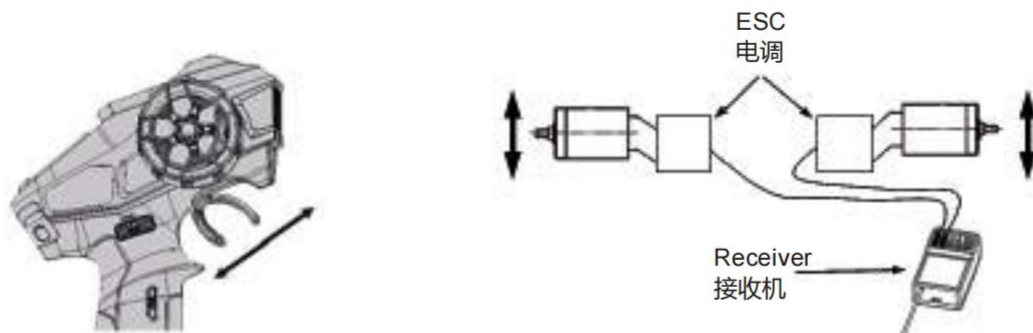
when the status lights of CH3 and CH4 are on, it means they are mixed controlled.

通过手轮切换，当3、4通状态灯亮，则表示3、4通混控

Mixed Control Mode 混控模式

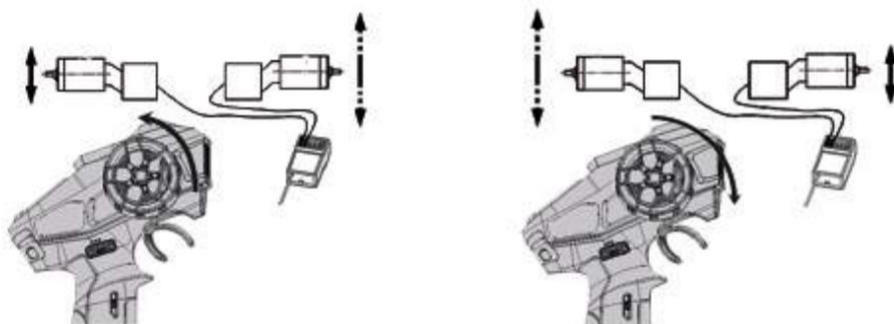
Connect the two ESC signal lines to the Channel 1 and Channel 2 of the receiver. Under the mixed mode, the trigger moves backward and forward to control the rotation of the two motors. The positive and negative rotation of the motor can be set through the two positive and negative switches on the control panel.

将两个电调的信号线接入接收机的一、二通通道上，在混控模式下，扣机前后扣动控制2个电机同时前、后转动，可通过控制面板上的2个正反开关设置电机的正反转。



In the mixed mode, the RC model moves forward at a certain speed. At this time, the speed of the two motors can be adjusted by channel 1 directional wheel to realize left and right differential steering.

在混控模式下，模型按一定的速度往前行驶，这时候转动1通方向手轮，可以调节两个电机的转速，实现差速转向。



In the mixed control mode, the channel 1 and channel 2 pass forward and reverse direction neutral point and motor range can be set separately.

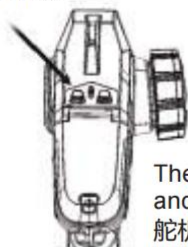
在混控模式下，面板上的1、2通正反向、中立点及电机行程量的设置和普通模式下的一样，均可单独设置。

CH3 & CH4 Mixed Control 三四通混控

In the mixed control mode, the CH3 and CH4 are jog signals, press the button, the button status light will be on, the channel has signal output, release the button, the button indicator will be off, and the channel will output a neutral signal.

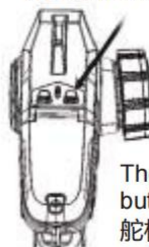
在混控模式下，CH3、CH4为点动信号，按下按键，按键状态灯亮，通道有信号输出，松开按键，按键指示灯灭，通道输出中立点信号。

Long press CH3 button
长按3通按键



The servo to the left, release the CH3 button, and the servo back to the center
舵机向左摆臂，松开3通按键，摆臂回中

Long press CH4 button
长按4通按键



The servo to the right, release the CH3 button, and the servo back to the center
舵机向右摆臂，松开4通按键，摆臂回中

By mixing the signals of CH3 and CH4 together and outputting from the CH3 port of the receiver (the signal of CH4 is the same as that of CH3), the forward, stop and reverse operations can be achieved by pressing the CH3 and CH4 buttons, which are used to control servo, winch, tank barrel, turret and other components.

When CH3 and CH4 in the mixed control mode, cannot adjust the travel and reverse direction. The the default factory setting is 50% range, which is sufficient for the speed of most motor control elements (like winch, turret etc).

通过把CH3，CH4的信号混合在一起，从接收机的CH3(CH4的信号和CH3的一样)口输出，即可以通过按CH3、CH4按键实现正向、停止、反向的操作，用于控制舵机绞盘、坦克炮管、炮塔等元件的控制。

3通和4通在混控模式下，不可以调节行程及正反向。默认是50%行程，这个值已经满足大部分电机控制元件(绞盘、炮塔)的速度。

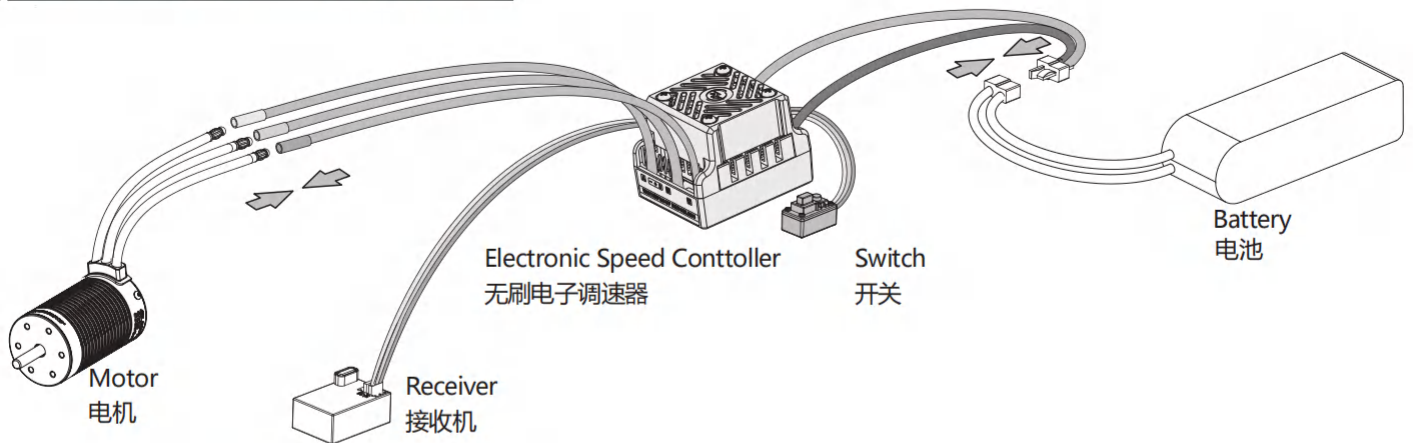
Warnings 注意事项

- Read the manuals of all the items being used in the build. Ensure gearing, setup and overall install is correct and reasonable.
- It is important to ensure that all wires soldered are properly secured to avoid short circuits from happening. A good soldering station is recommended to do such a job to avoid overheating the circuit board as well as to ensure connections are properly soldered.
- Even though the product has relevant protective measures, always use it in a safe manner in accordance with the operating environment noted in the manual (e.g., voltage, current, temperature and etc).
- The battery must be disconnected after use. There is small draw even when the system is off, and will eventually fully drain the battery. This may cause damage to the ESC, and will NOT BE COVERED UNDER WARRANTY.
- 电调与相关连接部件连接前，请确保所有电线和连接部件绝缘良好，短路会毁坏电调。
- 请务必仔细连接好各部件，若连接不良，您可能不能正常控制车辆，或出现设备损坏等其他不可预知的情况。
- 使用此电调前，请认真查看各动力设备以及车架说明书，确保动力搭配合理，避免因错误的动力搭配导致电机超载，最终损坏电调。
- 勿使电调外部温度超过90°C/194F，高温将会毁坏电调并且可能导致电机损坏。
- 浸水工作时，建议将风扇取下，并在使用后尽快将电调洗净吹干，防止插头氧化。
- 使用完毕后，切记断开电池与电调的连接。只要接着电池，即使开关未开电调也会一直消耗电流，长时间连接会导致电池最终完全放电；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。

Specifications 产品规格

Model 型号	WP 10BL120 RTR G2
Cont. Current 持续电流	120A
Motor Type 支持电机类型	Sensorless / Sensored Brushless Motor (only in sensorless mode) 无感无刷电机、有感无刷电机 (只工作在无感模式)
Applications 主要适用车型	1/10th Monster Truck, 1/8th Buggy 1/10卡车、大脚车, 1/8越野车
Recommended Motor 推荐电机KV	with 2s LiPo: KV ≤ 6000; with 3s LiPo: KV ≤ 4000; with 4s LiPo: KV ≤ 2600 (3660/4268 size motor) 2节锂电: KV ≤ 6000 3节锂电: KV ≤ 4000; 4节锂电: KV ≤ 2600 (3660/4268尺寸电机)
LiPo / NiMH Cells 电池节数	2-4S Lipo, 6-12 Cells NiMH
BEC Output BEC输出	6V/5A
Size 尺寸	54mm(L)x39.4mm(W)x38.5mm(H) 54mm(长)x39.4mm(宽)x38.5mm(高)
Weight 重量	116.5g(w/ wire&connectors) 116.5g (含线材插头重量)
Programming Method 参数设定方法	SET button、LED program card SET键、LED设定卡

Connections 连接电子调速器



Refer to the wiring instructions and wiring diagram:

• Motor connection

There are no wire sequencing requirements needed when using a sensorless brushless motor, you can swap two wires if the motor runs in opposite direction.

• Receiver connection

Connect the ESC throttle cable to the throttle channel on the receiver. Since the red wire in throttle cable outputs BEC voltage to the receiver and servo, please do not supply additional power to the receiver, otherwise the ESC may be damaged. If additional power is required, disconnect the red wire on the throttle plug from the ESC.

• Battery connection

Make sure that the (+) pole of the ESC is connected to the (+) pole of the battery and (-). If the connection is reversed, the ESC will be damaged and will not be covered by the warranty service.

请参照接线图及接线说明正确接线

• 连接电机:

电调与电机相连无严格的线序要求, 电调的#A/#B/#C可以与电机的三线随意对接, 若出现电机转向相反, 任意交换其中两条电机线即可。

• 连接接收机:

将电调的油门控制线接入接收机的油门通道(通常为TH或CH2通道)。因电调油门线会输出BEC电压给接收机及舵机, 所以请勿给接收机额外供电, 若需要额外供电, 请断开电调油门线中的红色线。

• 连接电池:

电调的输入线有极性之分, 接入电池时, 请确保电调的(+)极与电池的(+)极相连, (-)与(-)相连。如果电调接反电池将被损坏。

ESC Setup 设置电子调速器

ESC/Radio Calibration 设定油门行程

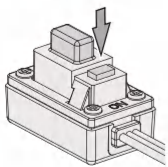
You must reset throttle range when you begin to use a new ESC, or the transmitter has been replaced, or the Throttle TRIM have been adjusted, otherwise the ESC cannot work properly.

We strongly recommend to activate the "Fail Safe" function of the transmitter and set no signal protection for throttle channel of transmitter (F/S) to "OFF" or set its value to the "Neutral Position" to ensure the motor can be stopped when there is no signal received from the transmitter. The throttle calibration steps is as follows:

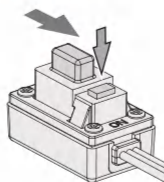
强调:电调第一次使用前或遥控器更改过油门通道 "TRIM" 微调或更换遥控器后, 均需重设油门行程, 不然可能会导致电调无法使或误动作。另外我们建议将遥控器油门通道的无信号保护 (" F/S ") 功能设置为关闭。输出方式或将保护值设置为中点位置, 使得当接收机无法收到遥控器信号后, 电机能够停止运转。油门校准步骤如下图所示:

ESC Setup 设置电子调速器

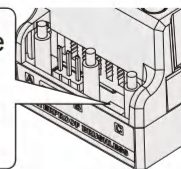
Hold the SET button.
按住SET键



Turn on the switch.
推动开关开机



Release the SET button once the LED flashes.
红灯LED闪烁时，立刻松开按键



1. Turn on the transmitter, set parameters on the throttle channel like "D/R", "EPA" and "ATL" to 100% (for transmitter without LCD, please turn the knob to the maximum) and the throttle "TRIM" to 0 (for transmitter without LCD, please turn the corresponding knob to the neutral position). You don't need to do this step if the transmitter's settings are default, and you can start from the second step directly!

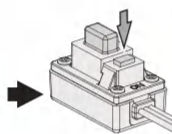
2. Turn off the ESC. Hold the SET button and turn on the ESC, the RED LED on the ESC starts to flash (the motor beeps at the same time), and then release the SET button immediately. (The ESC will enter the programming mode if the SET button is not released in 3 seconds, then you need to restart from step 2.)

Note: Beeps from the motor may be low sometimes, and you can check the LED status instead.

1. 打开遥控器，将油门通道的“D/R”、“EPA”、“ATL”等参数调到100%（如遥控器无显示屏，则将对应该旋钮调到最大位置），油门通道的中点微调“TRIM”调为0（如遥控器无显示屏，则将对应该旋钮调到中间位置）。若遥控器为默认设置，可以不作此设置，直接从第二步开始。

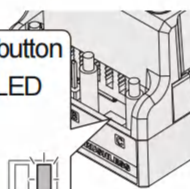
2. 电调关机状态，持续按住开关上的SET按键不松开，同时推动开关开机，待电调上红色LED开始闪烁时（同时电机鸣叫），立即松开按键（若在3秒内未松开则会进入参数设置模式，需重新开始）。

Move the throttle trigger to the neutral position and press the SET button.
板机置于中点，按一下SET按钮。

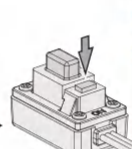


Press the SET button and the Green LED flashes once.

按一下SET键，绿灯闪烁一下。

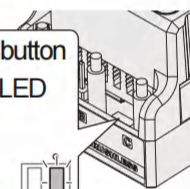


Move the throttle trigger to the end position of forward and press the SET button.
板机置于正向最高点，按一下SET按钮。

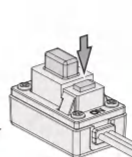
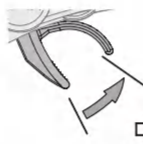


Press the SET button and the Green LED flashes twice.

按一下SET键，绿灯闪烁二下。

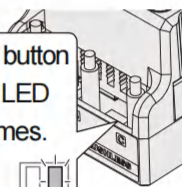


Move the throttle trigger to the end position of backward and press the SET button.
板机置于反向最高点，按一下SET按钮。



Press the SET button and the Green LED flashes three times.

按一下SET键，绿灯闪烁三下。



3. Set the neutral point, the end position of forward and the end position of backward.

1) Leave the throttle trigger at the neutral position, press the SET button, the RED LED dies out and the GREEN LED flashes once and the motor beeps 1 time to store the neutral position.

2) Pull the throttle trigger to the end position of forward, press the SET button, the GREEN LED flashes twice and the motor beeps 2 times to store the end position of forward.

3) Push the throttle trigger to the end position of backward, press the SET button, the GREEN LED flashes 3 times and the motor beeps 3 times to store the end position of backward.

Note:

• The end position of forward: Pull the trigger to the maximum throttle position if it is pistol-style transmitter. Push the throttle to the top if it is board-style transmitter.

• The end position of backward: Push the trigger to the maximum brake position if it is pistol-style transmitter. Pull the throttle to the bottom if it is board-style transmitter.

4. The motor can work normally after the throttle range calibration is complete.

ESC Setup 设置电子调速器

3. 此时需要设定三个点：油门中点、正向最高点（油门最大位置）和反向最高点（刹车/倒车最大位置）。

- 1) 油门扳机留在中点位置，按一下 SET 键，红灯熄灭，绿灯闪烁1次，电机鸣叫“哔”1声，表示已存储中点位置；
- 2) 油门扳机打到正向最高点，按一下SET键，绿灯闪烁2次，电机鸣叫“哔-哔-”2声，表示已存储油门正向最高点；
- 3) 油门扳机打到反向最高点，按一下SET键，绿灯闪烁3次，电机鸣叫“哔-哔-哔-”3声，表示已存储油门反向最高点。
4. 油门行程校调完毕，待自检完成后，电机即可正常操作。

Programmable Items 编程项目说明

Those black background and white text” options are the factory default settings.

下表中深色表示出厂默认值

Programmable Item 设定项目名称	Option 1 选项1	Option 2 选项2	Option 3 选项3	Option 4 选项4	Option 5 选项5	Option 6 选项6	Option 7 选项7	Option 8 选项8
1. Running Mode 1. 运行模式	Forward with Brake 正转带刹车	Forward/Reverse with Brake 正/反转带刹车						
2. Drag Brake Force 2. 拖刹力度	0%	5%	10%	15%	20%	25%	30%	40%
3. Low Voltage Cutoff 3. 电池低压保护阀值	Disabled 不保护	2.6V/Cell	2.8V/Cell	3.0V/Cell	3.2V/Cell	3.4V/Cell		
4. Punch 4. 启动加速度	Level 1 1级	Level 2 2级	Level 3 3级	Level 4 4级				
5. Max. Brake Force 5. 最大刹车力度	25%	50%	75%	100%				

1. Running Mode

Option 1: Forward with Brake

It has forward and brake functions only and is usually a racing mode.

Option 2: Forward / Reverse with Brake

This mode provides reverse function. The vehicle only brakes on the first time you push the throttle trigger to the reverse/brake position. If the motor stops when the throttle trigger return to the neutral position and then re-push the trigger to reverse position, the vehicle will reverse, if the motor does not completely stop, then your vehicle won't reverse but still brake. This method is for preventing vehicle from being accidentally reversed.

2. Drag Brake Force

Refers to the brake force generated by the motor when the throttle trigger returns to neutral position. Typically drag brake will be 0. Drag brake can add some heat so use only as needed.

3. Low Voltage Cutoff

This function is mainly to prevent excessive discharge of lithium batteries causing damage. The ESC monitors the battery voltage at all times, and once the voltage falls below the set threshold, the power output will be reduced, and after a few seconds, it will be completely cut off. When the voltage protection is entered, the red LED flashes in the “-, -, -”. For NiMH batteries, it is recommended to set this parameter to “Disabled”.

4. Punch

This item is used to control the throttle response, the lower this value, the slower the response; the higher this value, the faster the response, a suitable rate can help driver to control his vehicle properly during the starting-up process.

5. Max. Brake Force

This ESC provides proportional braking function; the braking effect is decided by the position of the throttle trigger. It sets the percentage of available braking power when full brake is applied. Large amount will shorten the braking time but it may damage your pinion and spur gear.

ESC Setup 设置电子调速器

1. 运行模式 (Running Mode) :

选项1: 正转带刹车

此模式下, 车辆仅能前进和刹车, 但不能倒车, 该模式通常用于竞赛。

选项2: 正反转带刹车

此模式提供了倒车功能。当油门扳机第一次推至反向区域时, 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, 如果此时电机已停止, 则产生倒车动作, 如果电机未停止, 则不会倒车, 仍是刹车。这样做的目的是防止车辆行驶过程中因多次点刹而造成误倒车。

2. 拖刹力度 (Drag Brake Force) :

拖刹是指当油门扳机进入到中点区域内时, 电机产生的刹车力, 请根据车辆类型、配置、场地等情况选择合适的值。

3. 电池低压保护阈值 (Low Voltage Cut-Off) :

这项功能主要是防止锂电池过度放电而造成不可恢复的损坏。电调会时刻监视电池电压, 一旦电压低于设定的阈值, 将降低动力输出, 数秒后将彻底切断动力输出。当进入电压保护后, 红色 LED 会以 “☆ -, ☆ -, ☆ -” 方式闪烁, 若使用 NiMH 电池, 可设为 “不保护”。

4. 启动加速度 (Punch) :

用于控制油门输出快慢, 设置值越大, 则加速越快。需要根据场地、轮胎抓地特性、车辆配置等情况综合考虑。如设置过大可能会造成轮胎打滑、启动电流过大而对电机/电调/电池造成不利。

5. 最大刹车力度 (Max. Brake Force) :

本电调提供比例式刹车功能, 刹车力度的大小和油门扳机的位置相关, 最大刹车力是指油门扳机处于刹车极限位置时所产生的刹车力。请根据车辆的具体情况, 选择合适的最大刹车力度。

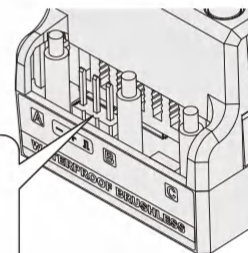
ESC Programming 参数设置方法

1. Program your ESC with a LED program card

1. 利用 LED 参数设定卡:

The ESC is in off state, connect the 3pin setting interface marked with “- + □” on the ESC with the interface marked with “- + □” on the upper right corner of the LED program card according to the polarity with a cable with JR plug at both ends, then power on the ESC, after a few seconds, all parameters of the ESC can be displayed. The “ITEM” and “VALUE” button on the program box can quickly select the programming items and parameter values, press “OK” button to save the new parameters in ESC.

该电调支持使用 LED 设定盒进行参数设置, 设置方法如下: 电调处于关机状态, 用一根两端带 JR 插头的排线将电调上标识着 “- + □” 的 3pin 设定接口与 LED 设定盒右上角标识着 “- + □” 的接口按照极性对应相连。然后将电调开机, 数秒后该电调的各项参数即可显示出来。利用设定盒上的 “ITEM” 和 “VALUE” 按键即可快速选择编程项目和参数值, 然后按 “OK” 键后, 新参数即可存入电调中。



Programming Port for Connecting Program Card.
在此接口连接参数设定卡



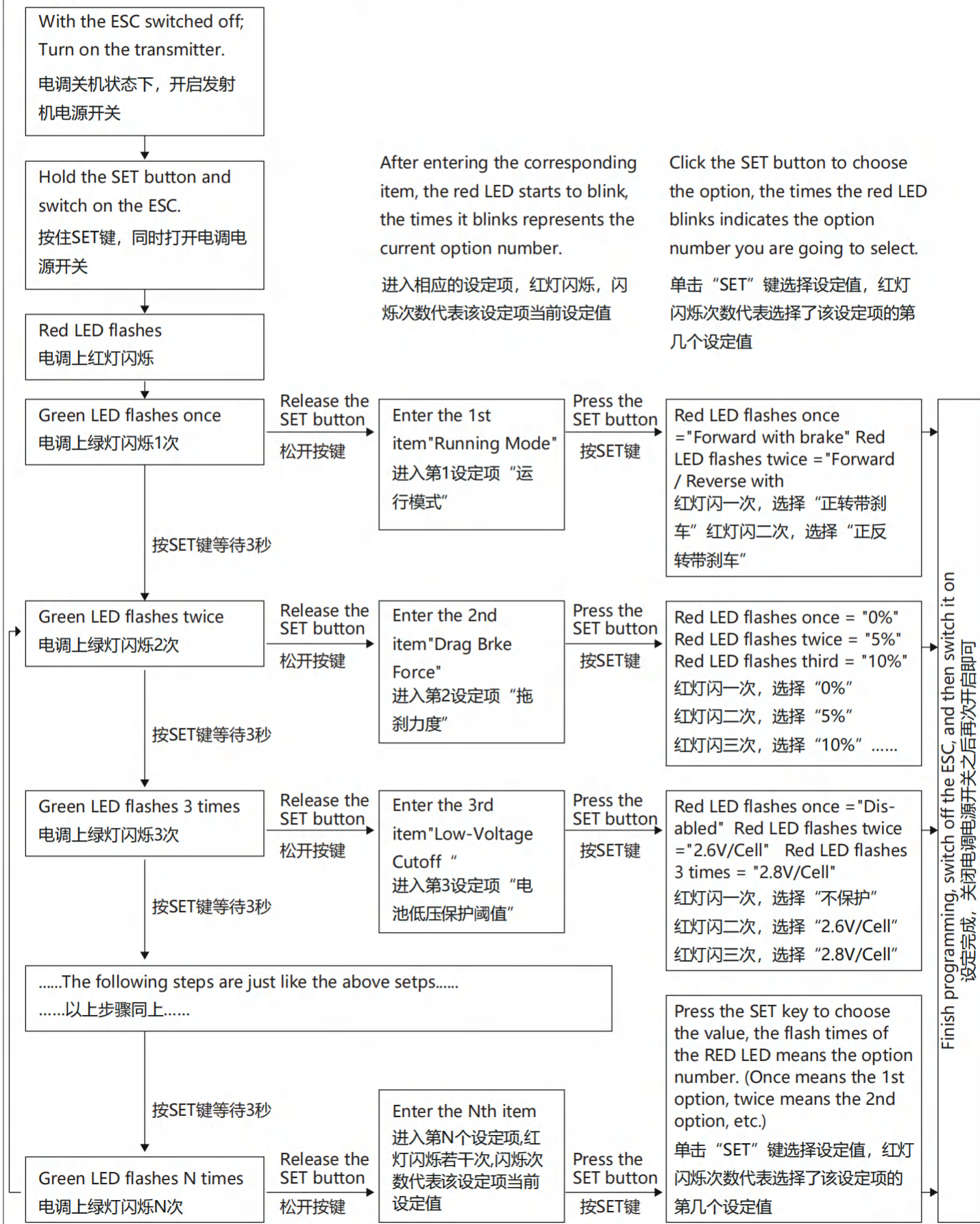
- Please use the 3pin setting interface marked with the “- + □” on the ESC to connect to the program card, not the throttle cable.
- Since the program card supports multiple escs, the label content on the separately purchased program card may not exactly correspond to the parameter items of your ESC. Please refer to the parameter table in the manual of esc when setting it (the number displayed in the left window of the program card is the parameter item, and the number displayed in the right window is the parameter value).

· 请使用电调上标识着 “- + □” 的 3pin 设定接口连接设定卡, 不是油门线。
· 由于设定卡支持多种电调使用, 故单独购买的设定卡上的标签内容不一定能完全对应上所用电调参数项, 在设置电调参数时请对照电调说明书中的参数表 (设定卡左侧窗口显示的数字为参数项, 右侧窗口显示的数字为参数值)。

ESC Setup 设置电子调速器

2. Program your ESC with the SET Button

2.利用电调上的SET按键进行参数设置，设置方法如下图所示：



Factory Reset 恢复出厂参数设定

- Restore the default values with the SET button

Turn on the transmitter first (with the throttle trigger in the neutral position), then turn on the ESC (with the light is in the off state), finally press and hold the SET button of the ESC switch for over 3 seconds. RED & GREEN LEDs flash simultaneously indicating you have successfully restored all the default values within your ESC. Once you power the ESC off, and then back on, your settings will be back in the default mode.

- Restore the default values with a LED program card

After connecting the program card to the ESC, press the "RESET" button and the "OK" button to factory reset your ESC.

- 利用SET键恢复出厂设置，方法如下

先打开遥控器（油门扳机处于中点位置），再将电调开机（电调指示灯处于熄灭状态），按住电调开关SET键3秒以上，出现红绿灯同时闪烁表示恢复设定成功，出厂设定需重新上电方可生效。

- 利用LED参数设定卡恢复出厂设定

设定卡与电调连通后，按下“RESET”键，然后再按下“OK”保存，即可恢复出厂设置。

Troubleshooting 故障快速处理

Trouble 故障现象	Possible Reason 可能原因	Solution 解决方法
The light does not turn on after power-up, the motor does not start, and the fan does not work. 上电后指示灯不亮，电机无法启动，风扇不转。	1. No power is supplied to the ESC. 2. The ESC switch is damaged 1. 电池电压没有输入到电调； 2. 电调开关损坏。	1. Check the battery, and whether the connection between battery and ESC is good and whether the plug is soldered well. 2. Replace the switch. 1. 检查电池好坏以及电池与电调的连接是否良好； 2. 更换开关。
The esc does not work after power on, with a "beep-beep-, beep-beep-,..." Warning tone accompanied by a flashing light (approximately 0.5 seconds for each set of two-tone intervals). 上电后电机无法启动，发出“哔-哔-，哔-哔-”警示音且伴有绿灯闪烁（每组双音间隔时间为0.5秒）。	Input voltage is abnormal 电池组电压不在正常范围内。	Check the battery voltage or change the battery for test. 检查电池组电压。
After power on, the red light flashes quickly. 上电后红灯快速闪烁，电机不转。	1. The ESC didn't detect any throttle signal. 2. The neutral throttle value stored on your ESC is different from the value stored on the transmitter. 1. 电调未检测到油门信号； 2. 电调油门中点与遥控器不匹配。	1. Check if the throttle wire is reversely plugged in or in the wrong channel and if the transmitter is turned on. 2. Re-calibrate the esc. 1. 检查油门线是否插反、通道是否插错、控是否有开启； 2. 油门归中位/微调遥控器油门中点，重新校准油门行程。

Troubleshooting 故障快速处理

Trouble 故障现象	Possible Reason 可能原因	Solution 解决方法
<p>The motor runs in the opposite direction when it is accelerated.</p> <p>遥控器正向加大油门，车子反而倒退。</p>	<p>1. The (ESC-to-motor) wiring order was incorrect.</p> <p>2. Your chassis is different from popular chassis.</p> <p>电机转向与车架前进方向不符。</p>	<p>Swap any two wire connections between the ESC and the motor.</p> <p>将电机的三条线中任意两条互换位置。</p>
<p>The motor suddenly stopped or significantly reduced the output in running.</p> <p>电机转动过程中，突然停转或功率输出显著降低。</p>	<p>1. The throttle signal is lost.</p> <p>2. The ESC has entered the Low Voltage Protection Mode or Over-heat Protection Mode</p> <p>1. 接收机遇到干扰；</p> <p>2. 电调进入电池低压保护状态；电调进入过温保护状态。</p>	<p>1. Check the transmitter and the receiver</p> <p>Check the signal wire from the throttle channel of your receiver</p> <p>2. Red LED flashing means Low Voltage. Green LED flashing means Over-heat.</p> <p>1. 检查接收机出现干扰的原因，检查遥控器电池电量；</p> <p>2. 红灯持续闪烁为电压保护，请更换电池；绿灯持续闪烁为温度保护，请等电调温度降低后继续使用。</p>
<p>The motor stuttered but couldn't start.</p> <p>电机抖动，无法启动。</p>	<p>1. Poor connection between ESC and motor.</p> <p>2. The ESC was damaged (some MOSFETs were burnt).</p> <p>1. 电调与电机连接不良；</p> <p>2. 电调故障（部分功率管MOSFET烧坏）。</p>	<p>1. Check all plugs and soldering points, and re-solder them if necessary.</p> <p>2. Contact the distributor for repair or other customer services.</p> <p>1. 检查各插头焊接点，必要时重新焊接；</p> <p>2. 联系经销商处理维修事宜。</p>
<p>The vehicle could run forward (and brake), but could not reverse.</p> <p>前进正常，但无法倒车。</p>	<p>1. The throttle neutral position on your transmitter was actually in the braking zone.</p> <p>2. Set the "Running Mode" improperly.</p> <p>3. The ESC was damaged.</p> <p>1. 遥控器油门通道中点偏离到刹车区域；</p> <p>2. 参数项“运行模式”设置错误；</p> <p>3. 电调损坏。</p>	<p>1. Re-calibrate the throttle neutral position. No LED on the ESC will come on when the throttle trigger is at the neutral position.</p> <p>2. Set the "running mode" to "Forward/Reverse with Brake".</p> <p>3. Contact the distributor for repair or other customer services.</p> <p>1. 重新校调油门通道中点，使遥控器油门扳机置于中位时，电调上的指示灯熄灭；</p> <p>2. 参数项“运行模式”设置为“正反转带刹车”；</p> <p>3. 联系经销商处理维修事宜。</p>
<p>The LED program card kept display 3 short lines (- - -) after you connected it to your ESC.</p> <p>连接LED设定卡，设定卡一直显示三条横线“— — —”，无法进入参数设置。</p>	<p>The program card was connected to the ESC via the throttle cable (Rx cable).</p> <p>1. 电调编程接口连接错误；</p> <p>2. 设定卡有额外供电。</p>	<p>Connect the program box with the correct interface, not throttle cable.</p> <p>1. 电调编程接口为标识着“- + □”的3pin接口，不是连接油门线；</p> <p>2. 电调有BEC输出，设定卡无需额外供电。</p>

Troubleshooting 故障快速处理

Trouble 故障现象	Possible Reason 可能原因	Solution 解决方法
The throttle travel setting (ESC/Radio Calibration) could not be completed. 无法完成油门行程设定。	The esc did not receive the correct throttle signal. 电调未接收到正确的油门信号。	1. Check whether the throttle cable is correctly connected to the receiver. 2. If the servo works normally, you can connect the throttle cable of esc to the steering channel to have a test, or change the transmitter/receiver system for test directly 1. 检查有无接错通道、油门线有无接反; 2. 检查接收机是否损坏, 将油门线接到舵机通道进行测试。

Vehicle Setup 车辆设置

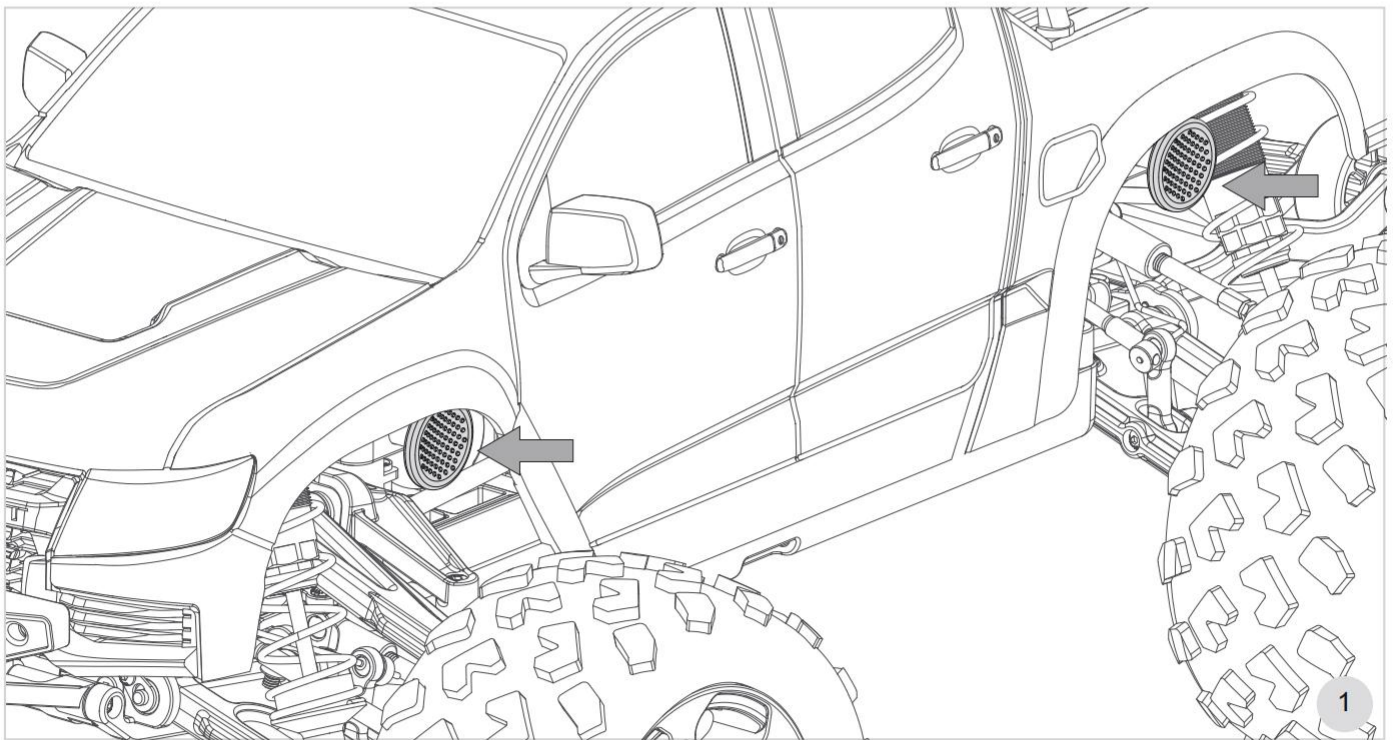
Battery Precautions 电池注意事项

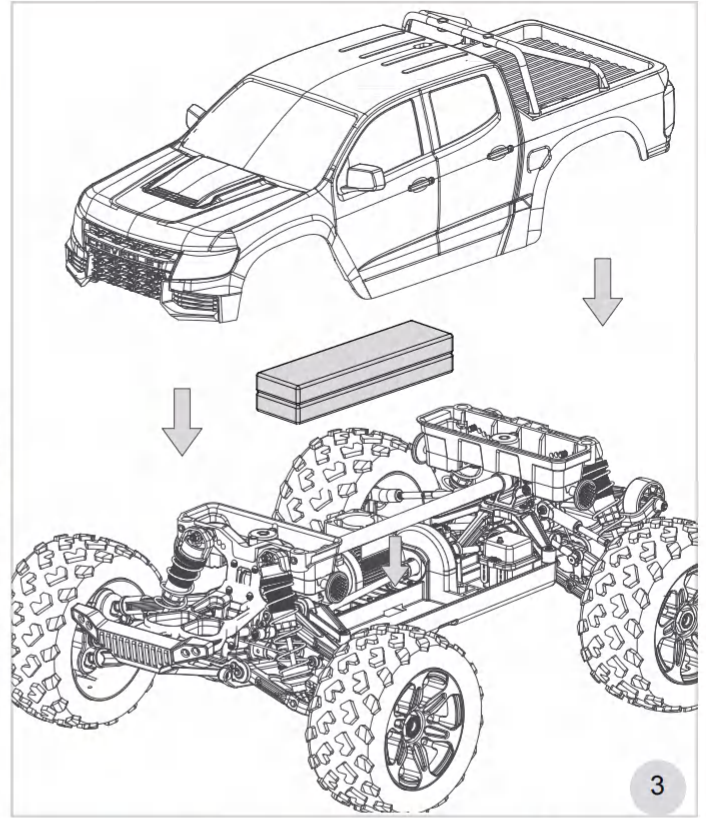
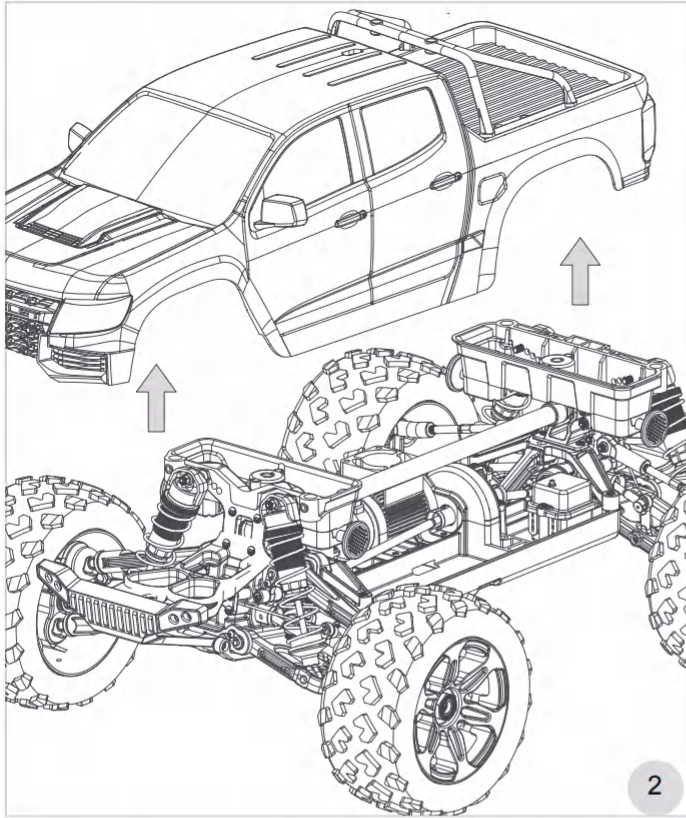
- Never charge a lithium polymer battery with a charger designed for NiCd, NiMH, or any other type of battery chemistry.
- Use ONLY charger designed for LiPo battery.
- Do not leave LiPo battery unattended during charging.
- Do not overcharge the battery.
- Always charge LiPo batteries on non-flammable, heat-resistant surfaces.
- Always use a LiPo-safe bag or container while charging.
- Do not allow LiPo cells to overheat at any time. Cells which reach greater than 140 Fahrenheit(60℃) will usually become damaged and will catch fire.
- Do not charge the LiPo pack while it is still in the model.
- Never charge or store battery packs in a vehicle.
- Do not discharge LiPo, doing so will damage the battery.
- Do not expose LiPo cell to water or moisture at any time.
- Do not store battery near open flame or heater.
- Do not assemble LiPo cells or pre-assembled packs together with other LiPo cells or packs.
- Always store LiPo battery in a secure location away from children.
- Always remove the LiPo battery if model is involved in any kind of crash.
- Carefully inspect the battery and connectors for even the smallest damage.
- CAUTION: Cells may become hot after usage. • Allow the pack to cool to room temperature prior to recharging.
- Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte.
- Do not alter or modify connectors or wires of a LiPo battery pack.
- Always inspect the condition of the battery before charging and operating.
- Do not short circuit the LiPo battery.
- Do not have contact with a leaky/damaged battery directly.
- Do not charge battery out of recommended temperature range(0℃-45℃)

Vehicle Setup 车辆设置

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

Connecting the battery 连接电池





1. There is one car shell latch at the front and one at the rear, both using a press-to-unlock mechanism. By simultaneously pressing on both sides, the car body can be separated from the chassis. Perform this operation once for both the front and rear, and the car body will be removed.

2. As shown in the diagram, place the battery inside the battery compartment and secure it in place using the included battery strap, Connect the battery to the RX/ESC 2-in-1 unit (batteries sold separately, recommended batteries are advised).

3. Align the front and rear pillars of the car shell with the corresponding snap oints on the chassis, then push them in to reattach the car shell onto the chassis.

4. The power supply requires two battery packs to be used simultaneously, with a maximum support for 4S batteries. If only one battery is used, a jumper plug from the accessories must be used to short one of the connectors.

Battery compartment size: 152*53*60mm

The battery plug :XT60 Male

1. 前后各有一个车壳锁扣，锁扣采用按压式开锁方式，于左右两侧同时按压，车身与车底即可分离，前后各操作一次，即可拆下车身

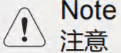
2. 如图所示，将电池放入电池仓内，并使用附带电池轧带固定到位，连接电池至电调/接收二合一组件（电池需另购，建议使用推荐电池）。

3. 将车壳的前后柱体对准并推入车底盘的前后扣位，以重新安装车壳至底盘。

4. 供电需要两组电池同时使用，最大支持4S电池，如果单用一块电池，需要使用配件的跳线插头将其中一个接口短路。

电池仓尺寸：152*53*60mm

电池插头：XT60 公头



Note
注意

1. Please remove the battery immediately after use (allow time for the battery to cool down) and do not store the battery inside the model product for an extended period.

2. Do not open, disassemble, or attempt to repair the battery.

3. The battery needs to be disconnected from vehicle before it can be charged

4. Do not charge battery in vehicle.

1、请在使用后立即取出电池（需等待电池降温），不可将电池长时间存放在模型产品内。

2、不要打开、拆解或试图维修电池。

3、在给电池充电之前，需要先断开电池与车辆的连接。

4、请勿在车内给电池充电。

Spare Parts List

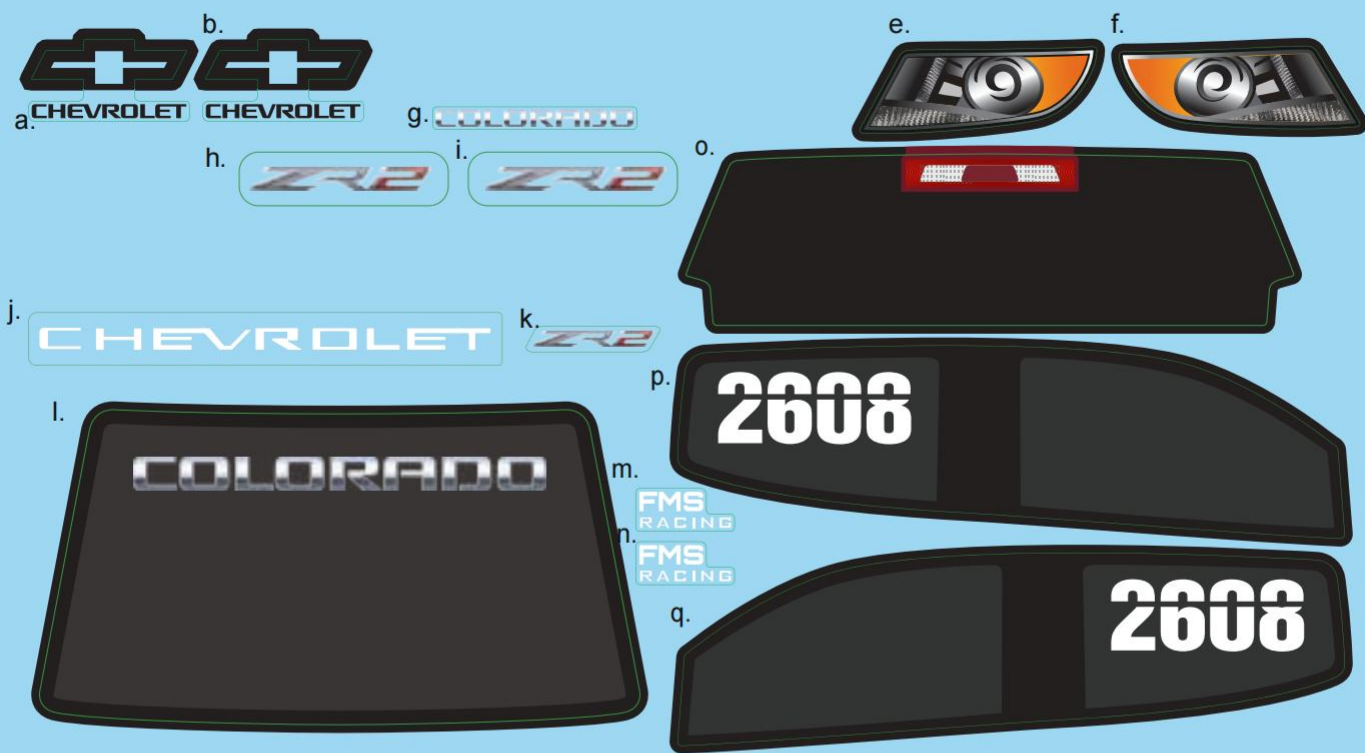
配件列表

C3562	Front oil shock absorbers assembly 1pair	前避震器总成一对
C3563	Rear oil shock absorbers assembly 1pair	后避震器总成一对
C3564	HTwheel assembly 1pair	HT车轮总成一对
C3565	HT tires set 1pair	HT 轮胎 一对
C3566	Eight holes wheel hub set 1pair	八孔轮毂 一对
C3567	Front differential gear box assembly	前差速箱总成
C3759	Rear differential gear box assembly	后差速箱总成
C3568	Center differential gear box assembly	中差速箱总成
C3569	Motor mount set	电机固定座
C3570	Center differential gear box cover	中差速箱盖
C3571	Main chassis	主车底板
C3572	Metal chassis supportor	主车金属支撑板
C3573	Steering servo mount	转向舵机座
C3574	4074 brushless motor 2000KV	无刷电机4074 2000KV
C3575	13T pinion gear	13T电机齿
C3576	Heat sink for 4074 brushless motor	散热器4074
C3577	Front/rear differential gear set	前/后差速齿
C3578	Center differential gear set	中差速齿
C3579	Front/rear differential box housing	前/后差速箱胶件
C3580	Front suspension arm mount	前悬臂固定件
C3581	Shock tower set	避震架
C3582	57T spur gear	57T 正齿轮
C3583	Driver cup set	驱动杯
C3584	Front/rear differential accessory set	前/后差速配件
C3585	Center differential accessory set	中差速配件
C3586	Brushless ESC WP-10BL120-RTR G2	无刷电调 WP-10BL120-RTR G2
C3587	35KG steering metal gear servo	35kg 金属舵机
C3588	Steering servo saver set	转向舵机保护器
C3592	Steering linkage set	转向拉杆套装
C3593	Chassis supporter rod	底盘支撑轴
C3594	Transmission shaft set	传动轴
C3595	Chassis supporter bracket	底盘支撑支架
C3596	Chassis supporter rod lock	底盘支撑轴锁
C3597	Shock tower bracket set	避震支架
C3598	Drag slash wheelie bar	抬头轮
C3599	Front bumper set	前防撞套装
C3600	Front sway bar	前防倾杆
C3601	Rear sway bar	后防倾杆
C3602	Front suspension arm left	前悬臂左
C3603	Front suspension arm right	前悬臂右
C3604	Knuckle steering C hub set	C座
C3606	Hub rear set	后轮座
C3607	Suspension arm lock and pin set	悬臂锁及针

Spare Parts List 配件列表

C3608	Wheel hex	轮毂接合件
C3609	Ball 5.8	波头 5.8
C3610	Pivot ball	枢轴球
C3611	CVD driveshaft	CVD驱动轴
C3612	CVD rebuild set	CVD配件
C3613	CVD axle	CVD轴
C3614	Pin 2.5 x 14.5mm (4)	轴针2.5 X 14.5mm (4)
C3615	Shock mount pin	避震销
C3616	Front body mount set	前壳固定组件
C3617	Rear body mount set	后壳固定组件
C3620	Car body assembly (red/black)	车壳总成 (红黑)
C3621	Car body assembly (blue/white)	车壳总成 (蓝白)
C3622	Clear body set	透明车壳散件
C3624	Decal sheet (red/black)	贴纸 (红黑)
C3625	Decal sheet (blue/white)	贴纸 (蓝白)
C3626	Roll cage set	防滚架
C3627	Spotlights set	射灯
C3628	Antenna set	天线
C3629	Trail light cup set	尾灯杯
C3632	Handel set	拉手
C3633	Rearview mirror set	后视镜
C3634	Exhaustion plate set	格栅
C3635	Star style wheel assembly 1pair	星状车轮总成一对
C3636	Tires set 1pair	轮胎 一对
C3637	Star style wheel hub set 1pair	轮毂 一对
C3652	X5P-350 + X6F transmitter receiver set	X5P-350 + X6F 发射器/接收器 陀螺仪
C3653	X5P-350 transmitter	X5P-350 发射器
C3654	X6F receiver	X6F 接收
C3770	Car body assembly (black/white)	车壳总成 (黑白)
C3773	Decal sheet (black/white)	贴纸 (黑/白)
C3790	CHEVROLET logo	雪佛兰 LOGO
C3799	Rear suspension arm	后悬臂
C3800	Ball bearing 6*10*3	轴承6*10*3 滚珠防尘
C3801	Ball bearing 8*16*5	轴承 8*16*5 滚珠防尘
C3802	Steering link set	转向拉杆
C3803	Suspension arm linkage set	后拉杆连

C3624



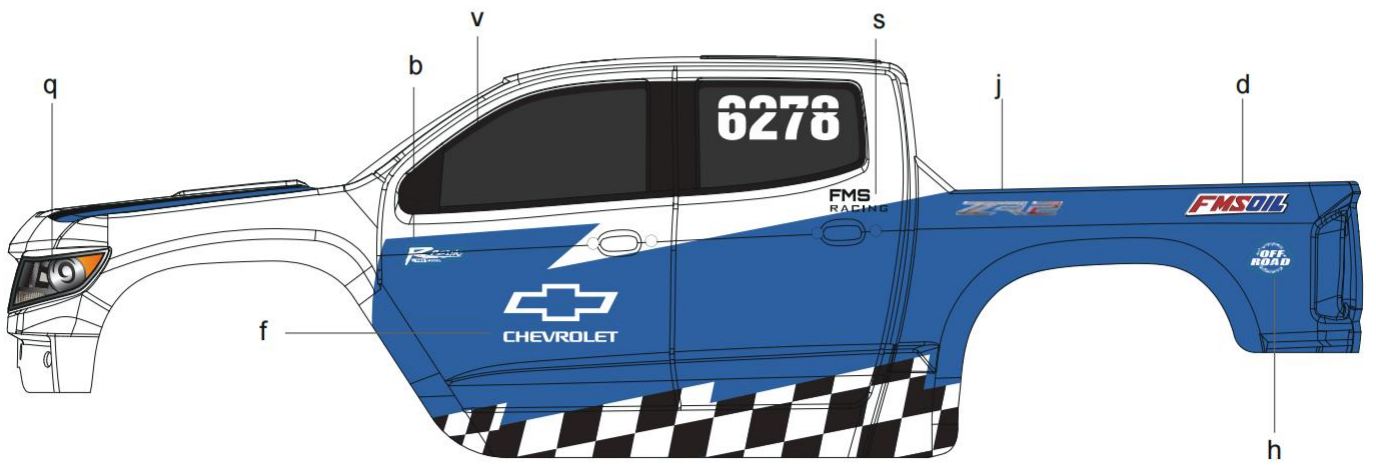
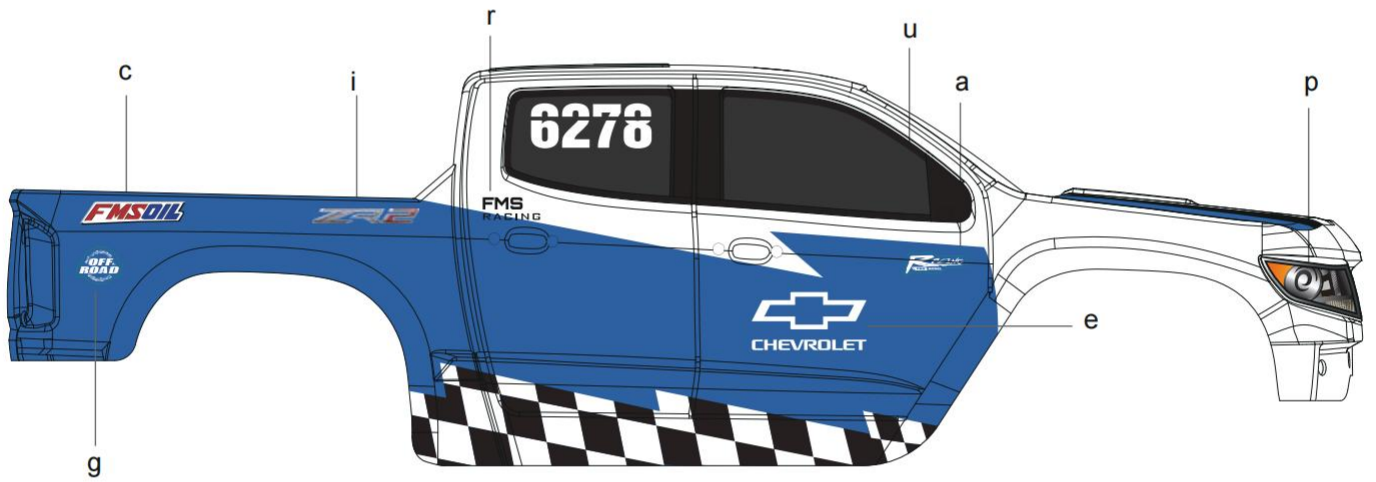
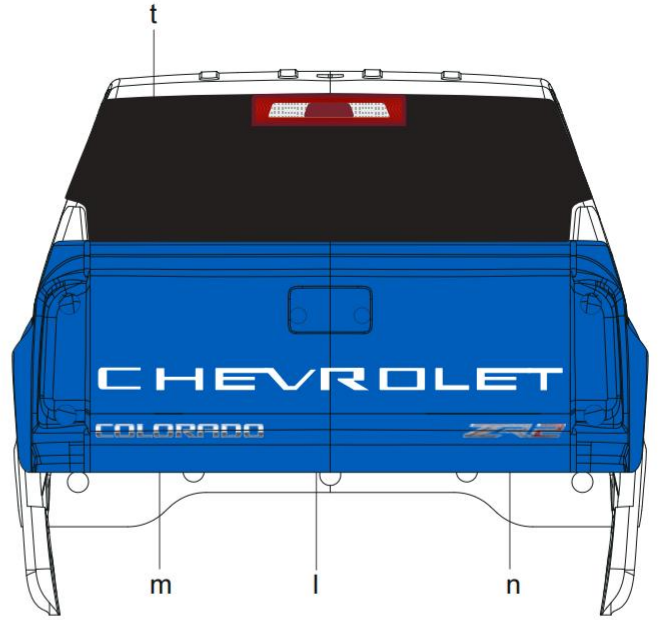
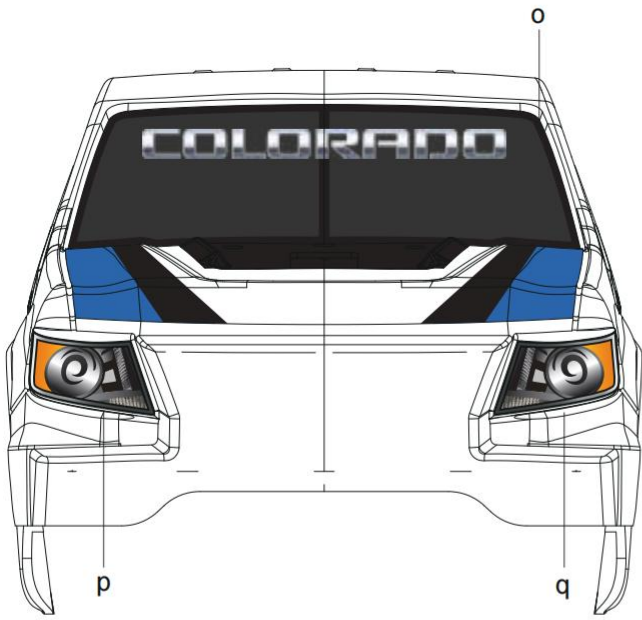
Decal Application 贴纸方式



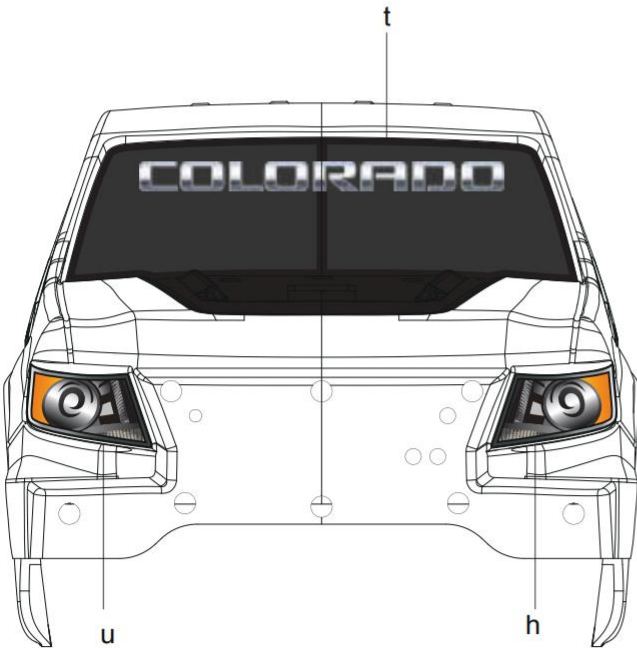
C3621



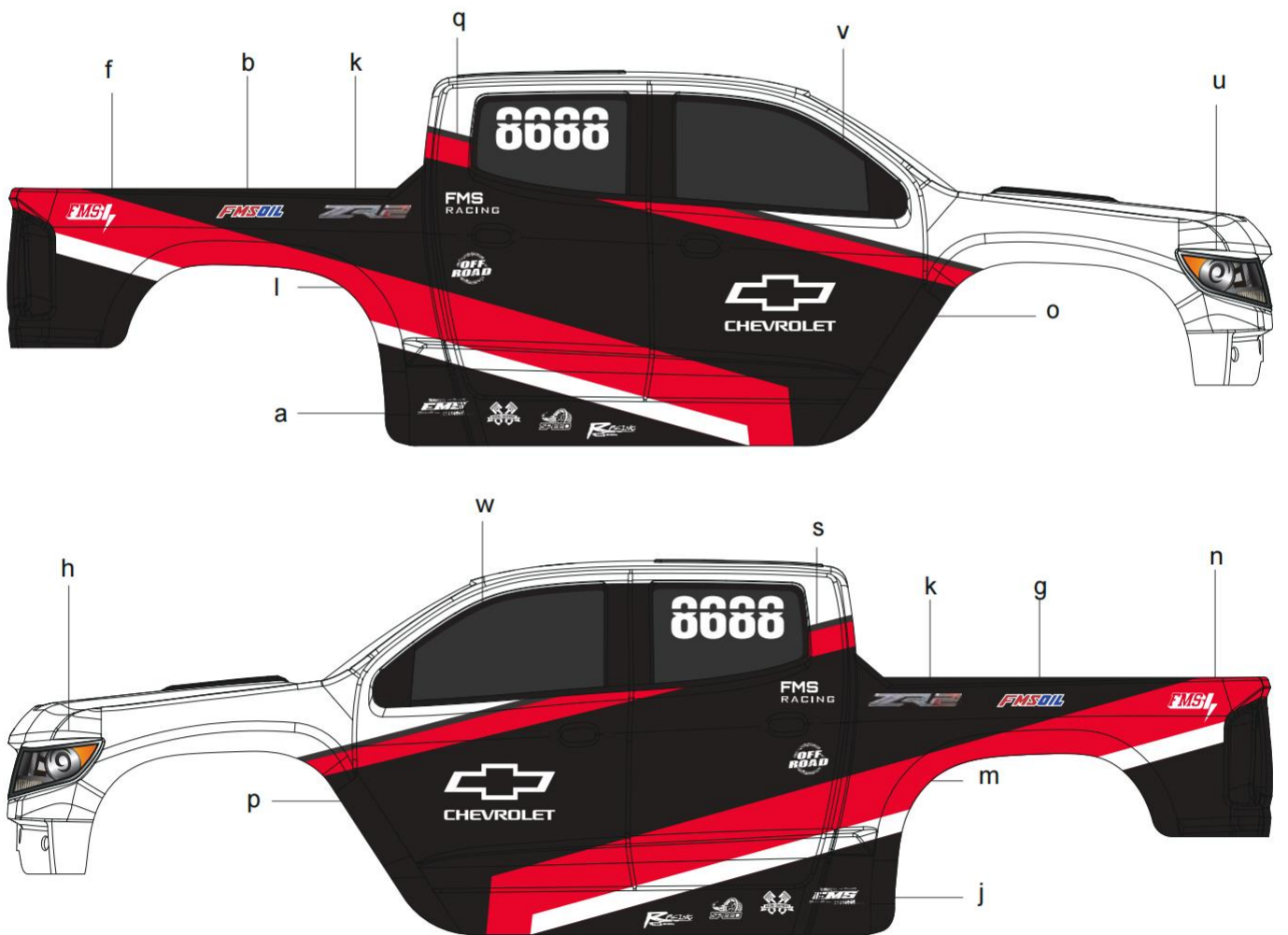
Decal Application 贴纸方式

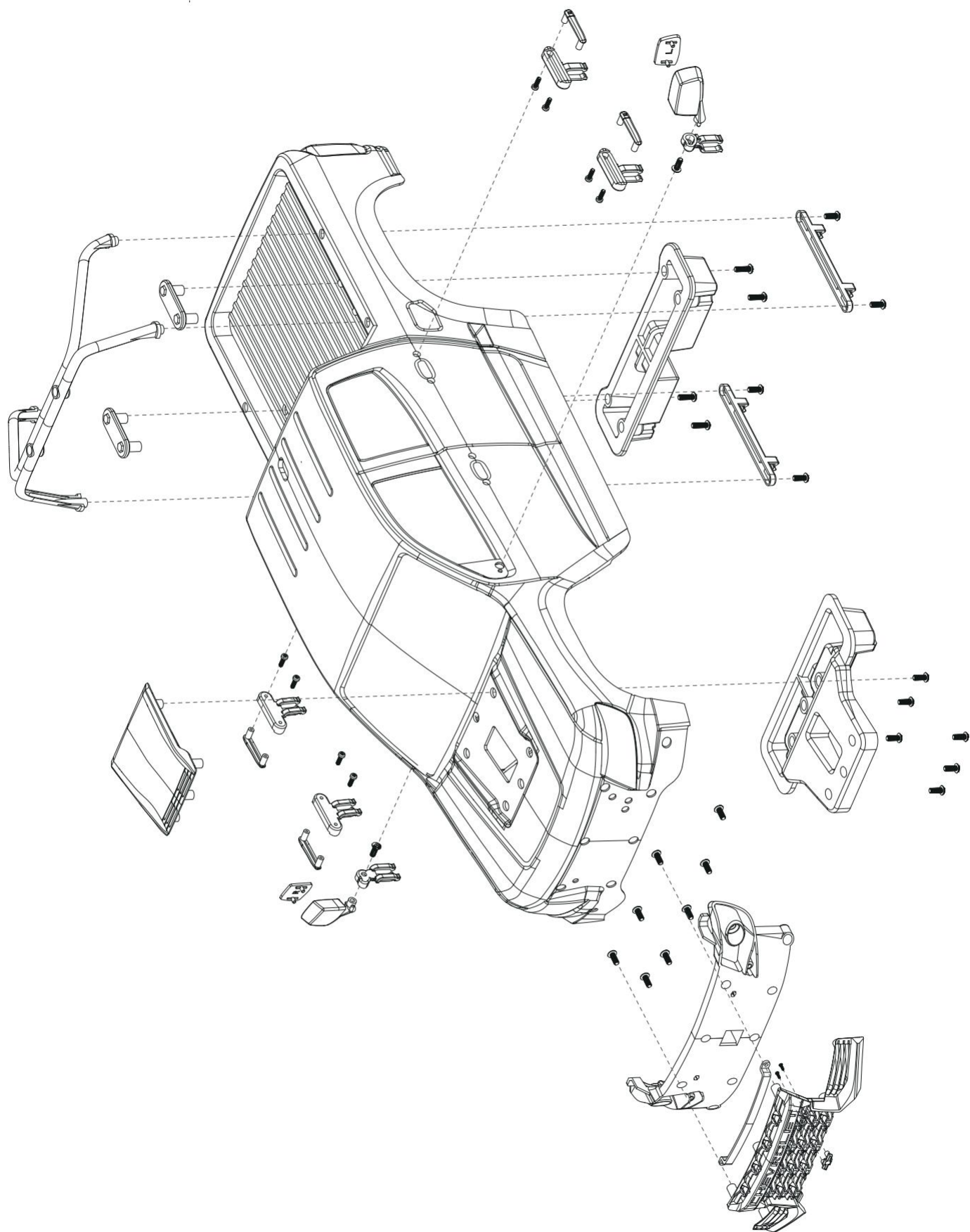


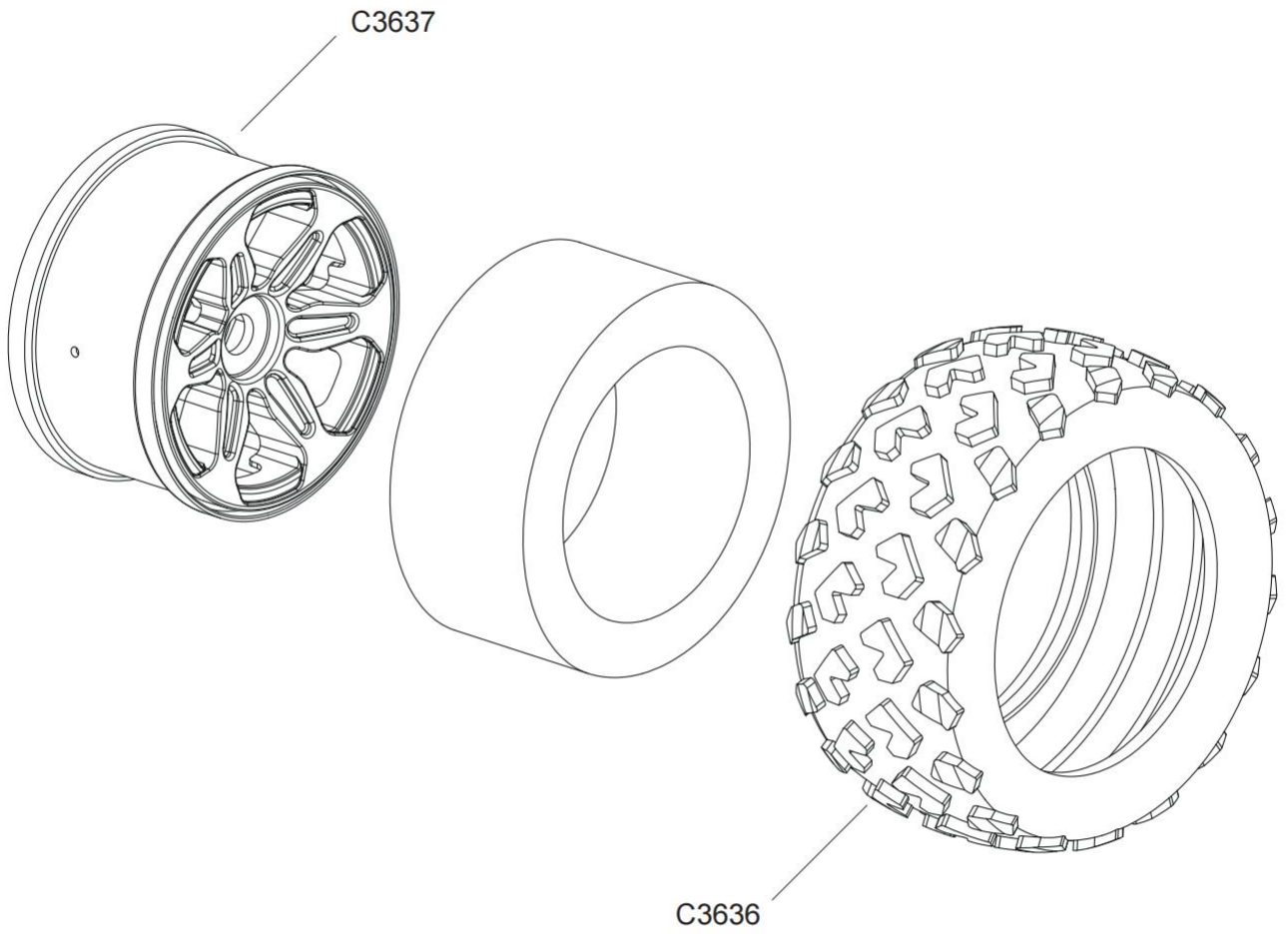
C3770



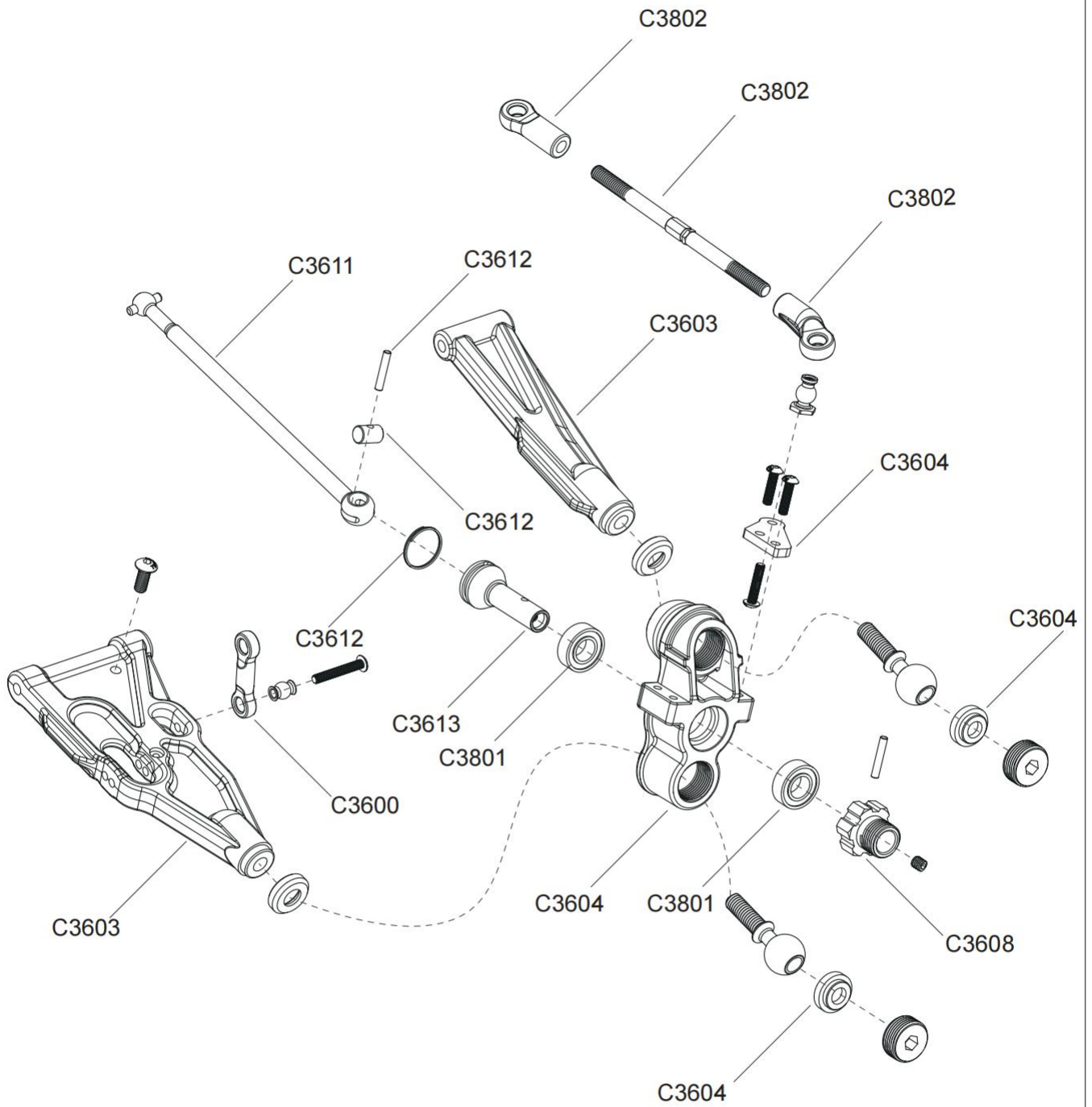
Decal Application 贴纸方式



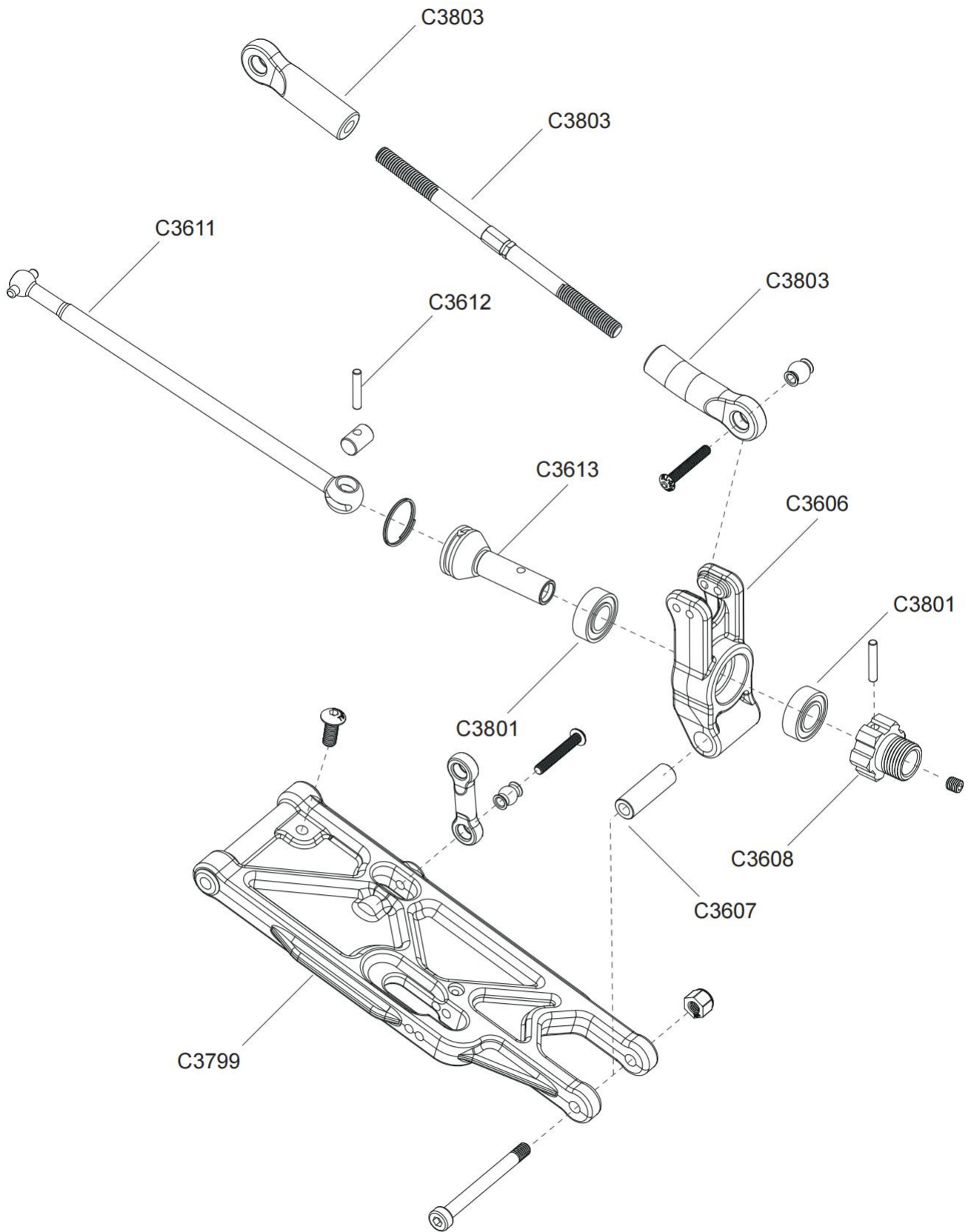




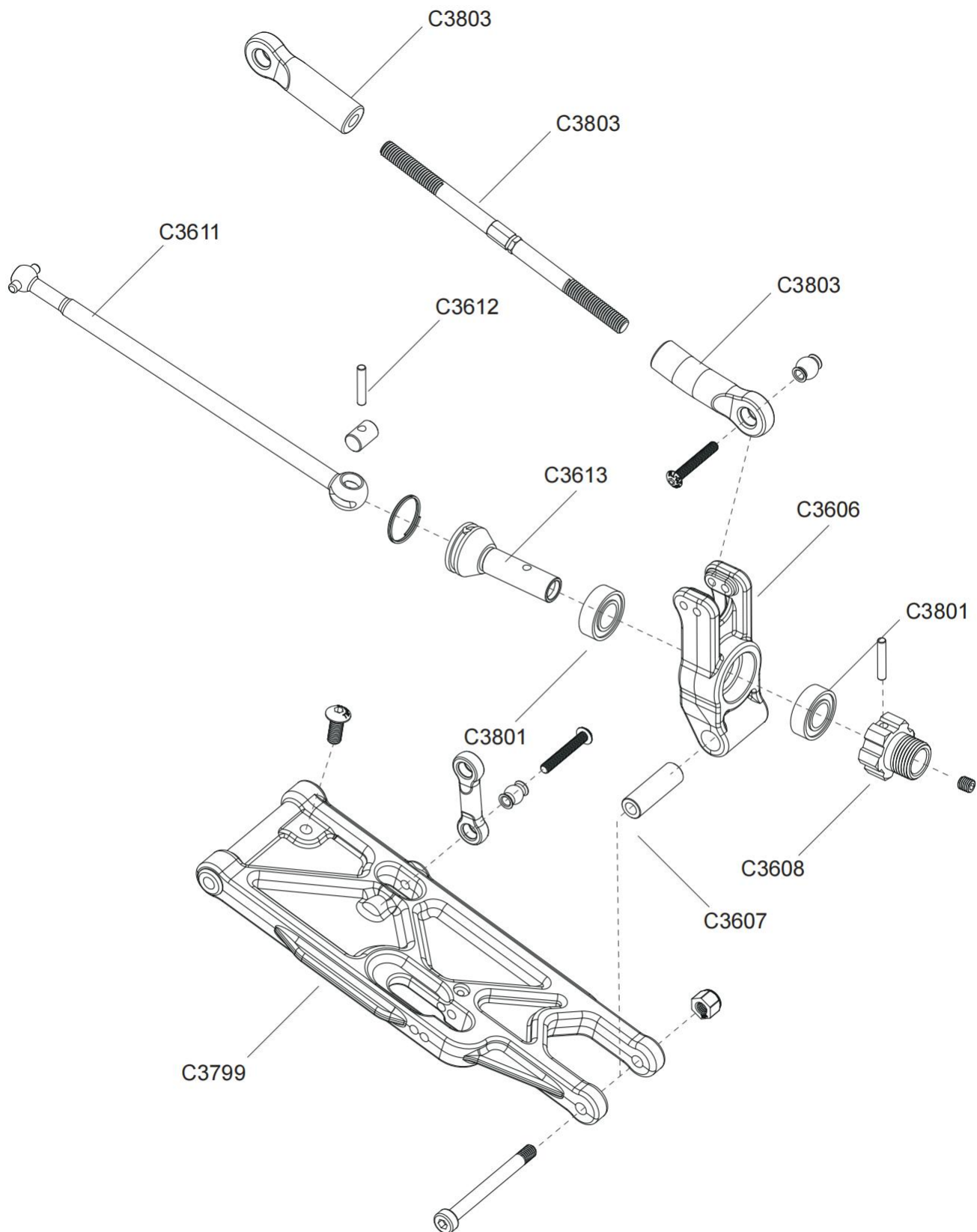
EN:FRONT SUSPENSION ARM RIGHT CN:前悬臂右



EN: FRONT DIFFERENTIAL GEAR BOX ASSEMBLY CN:后左A臂

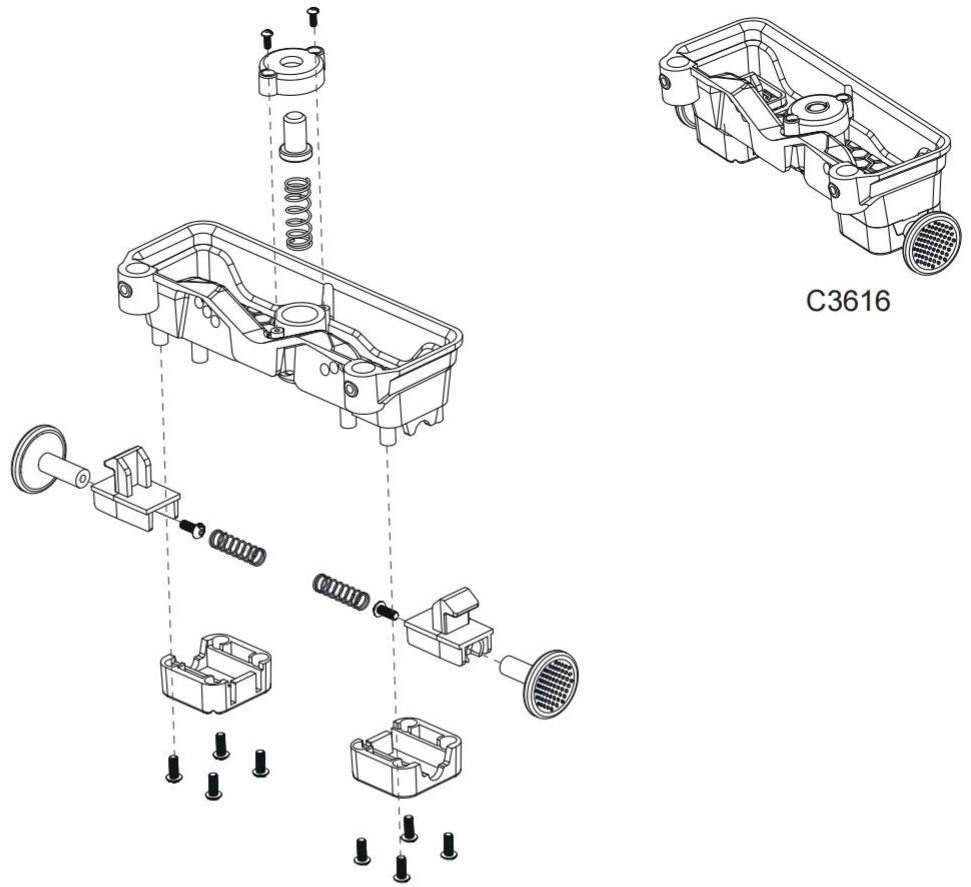


EN: FRONT DIFFERENTIAL GEAR BOX ASSEMBLY CN:后左A臂



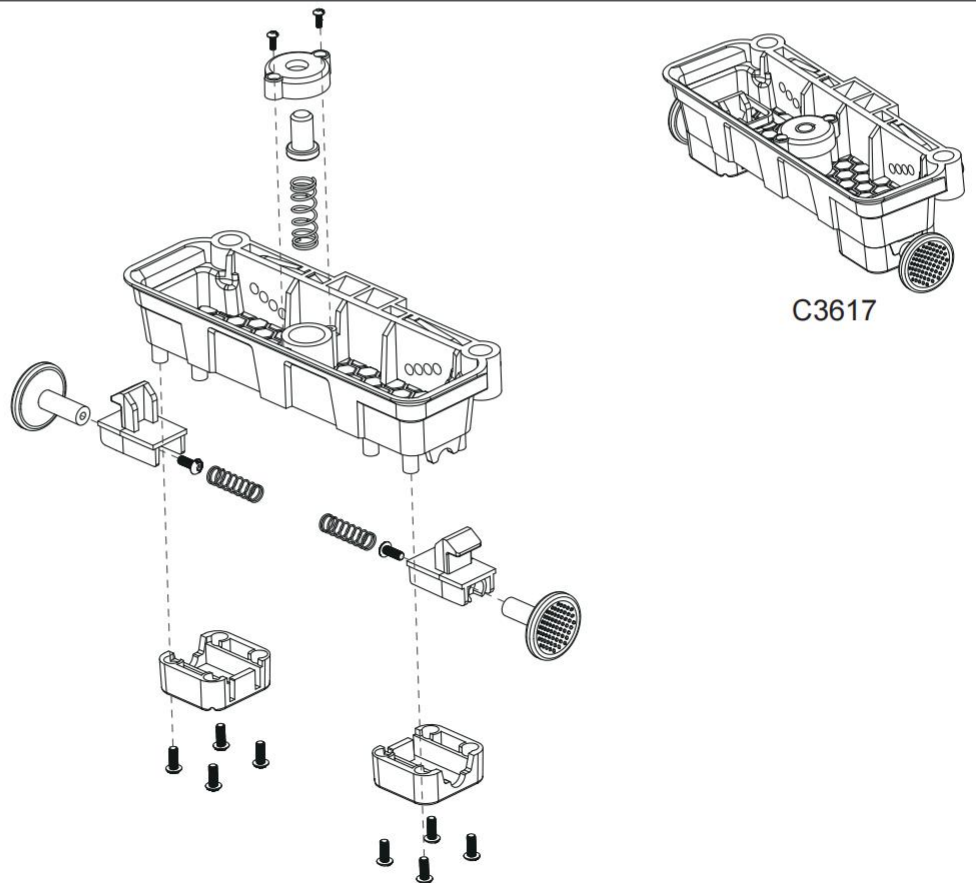
EN: FRONT BODY MOUNT SET

CN:前壳固定组件

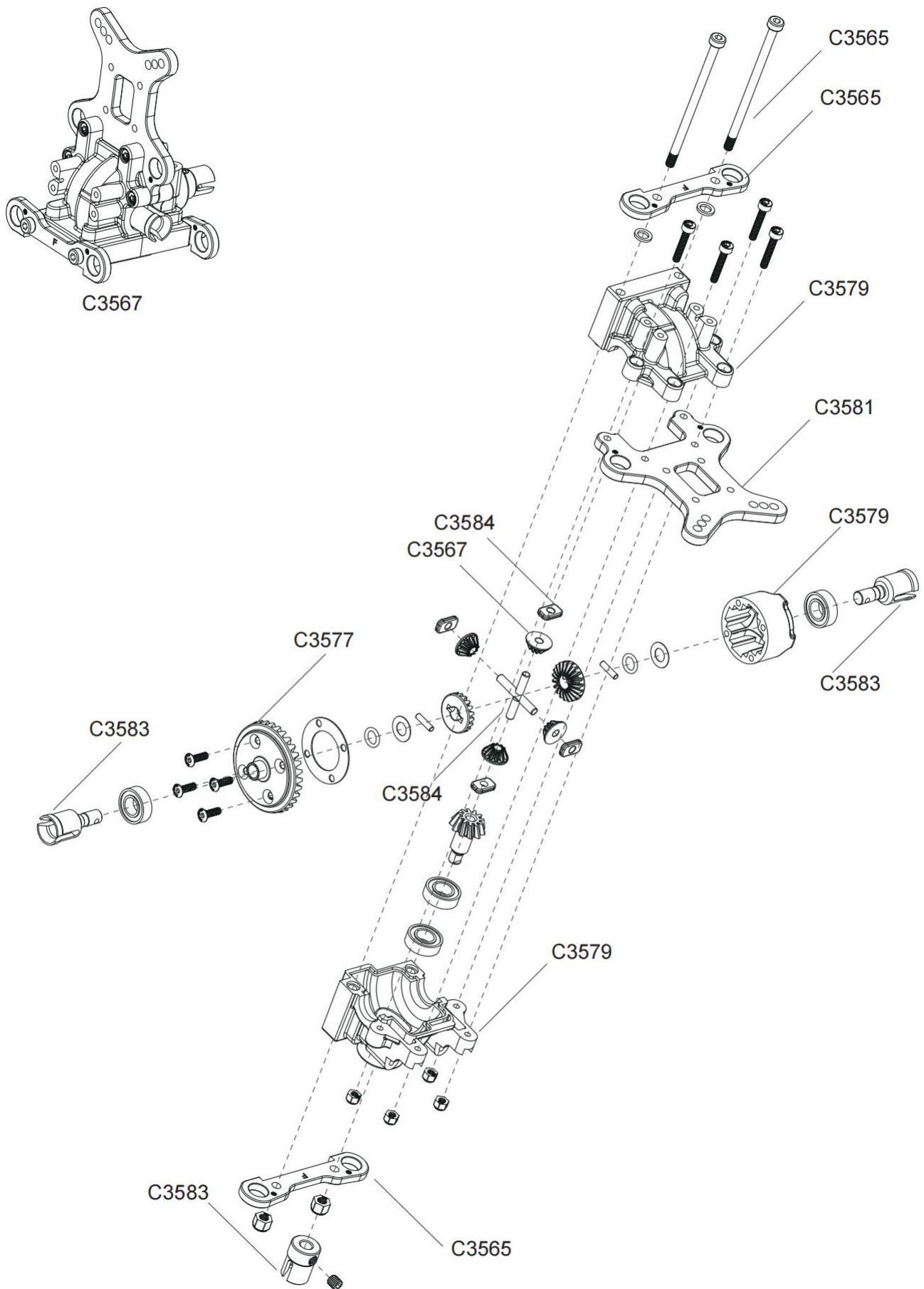


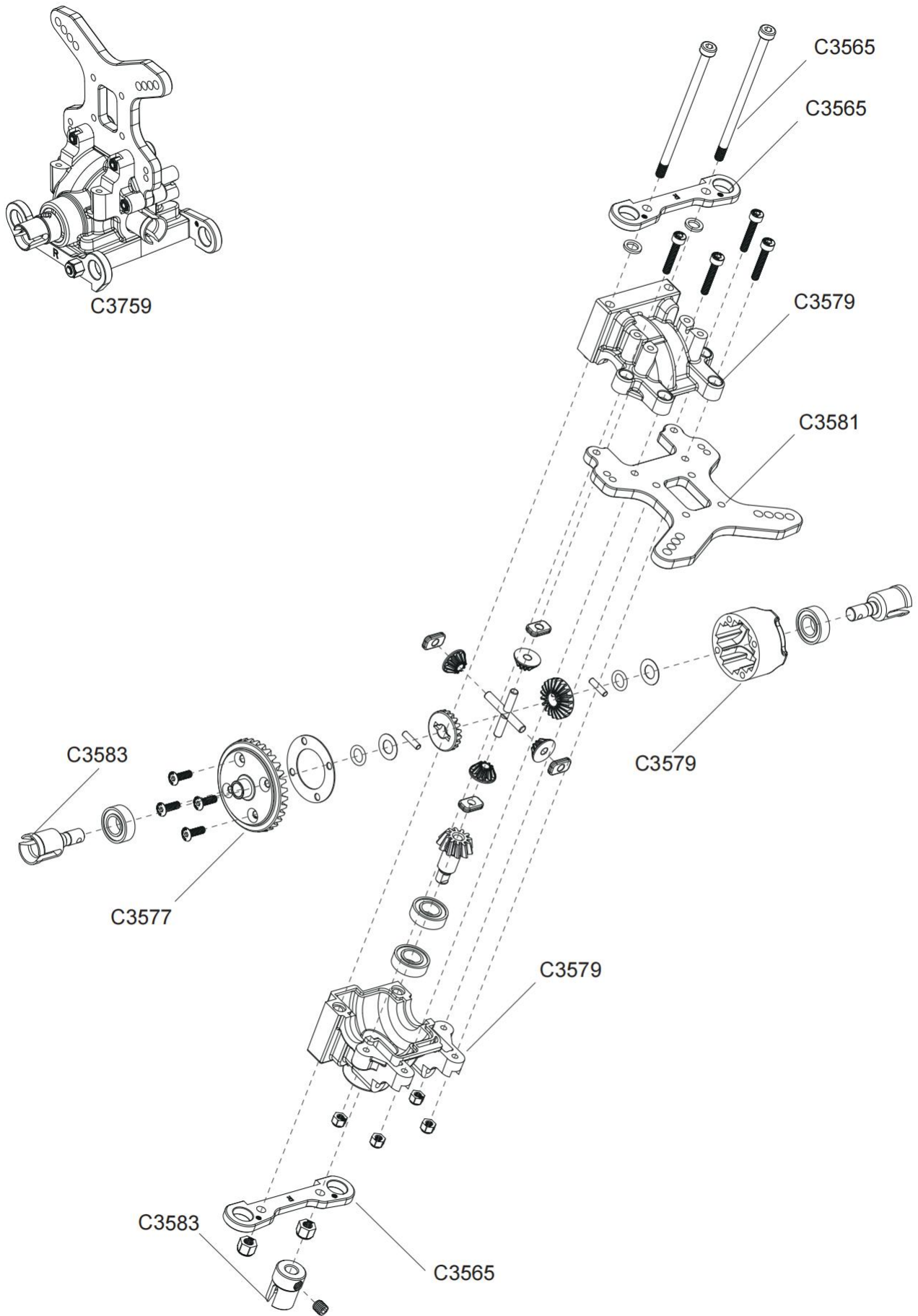
EN: REAR BODY MOUNT SET

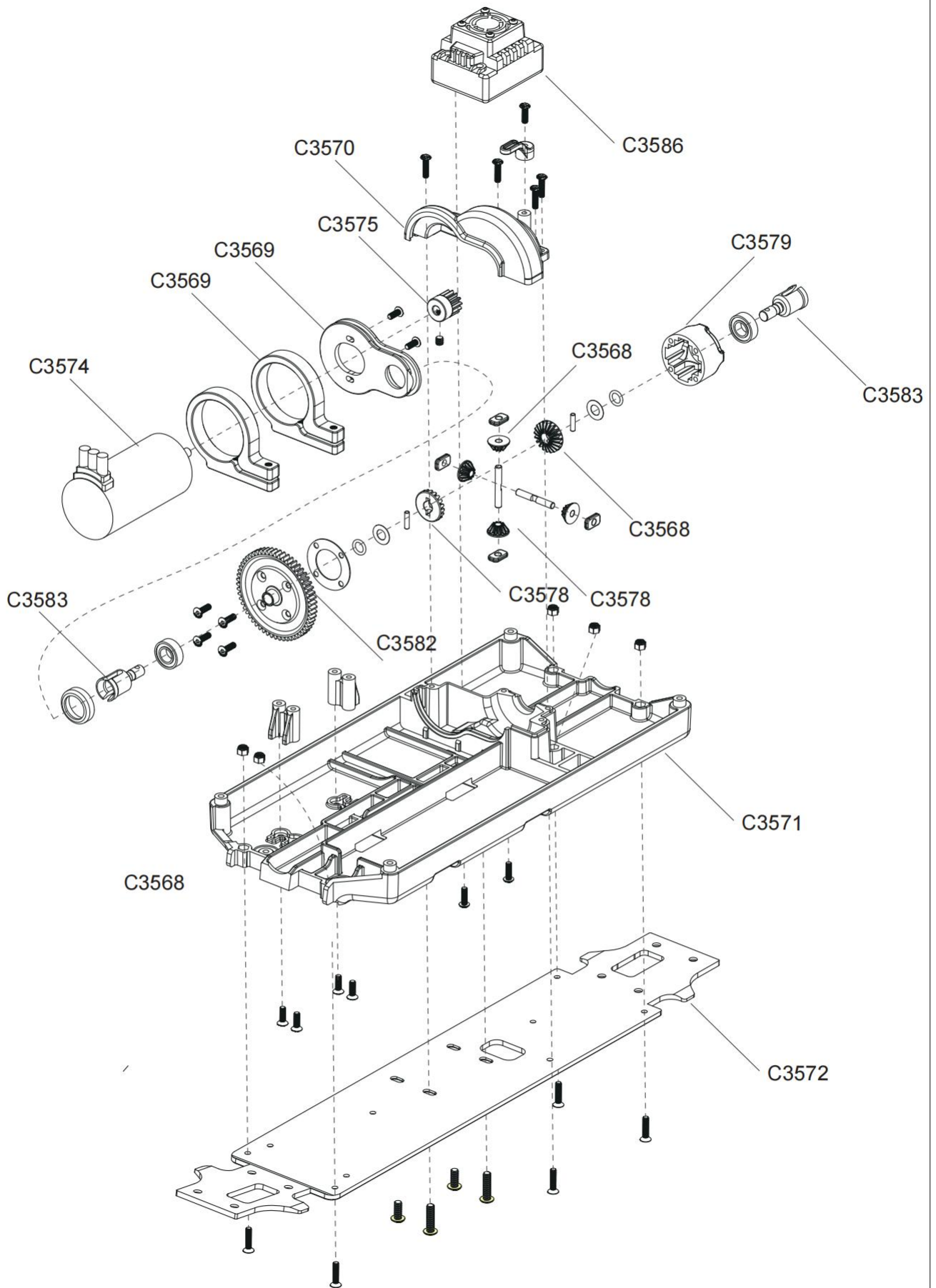
CN:后壳固定组件

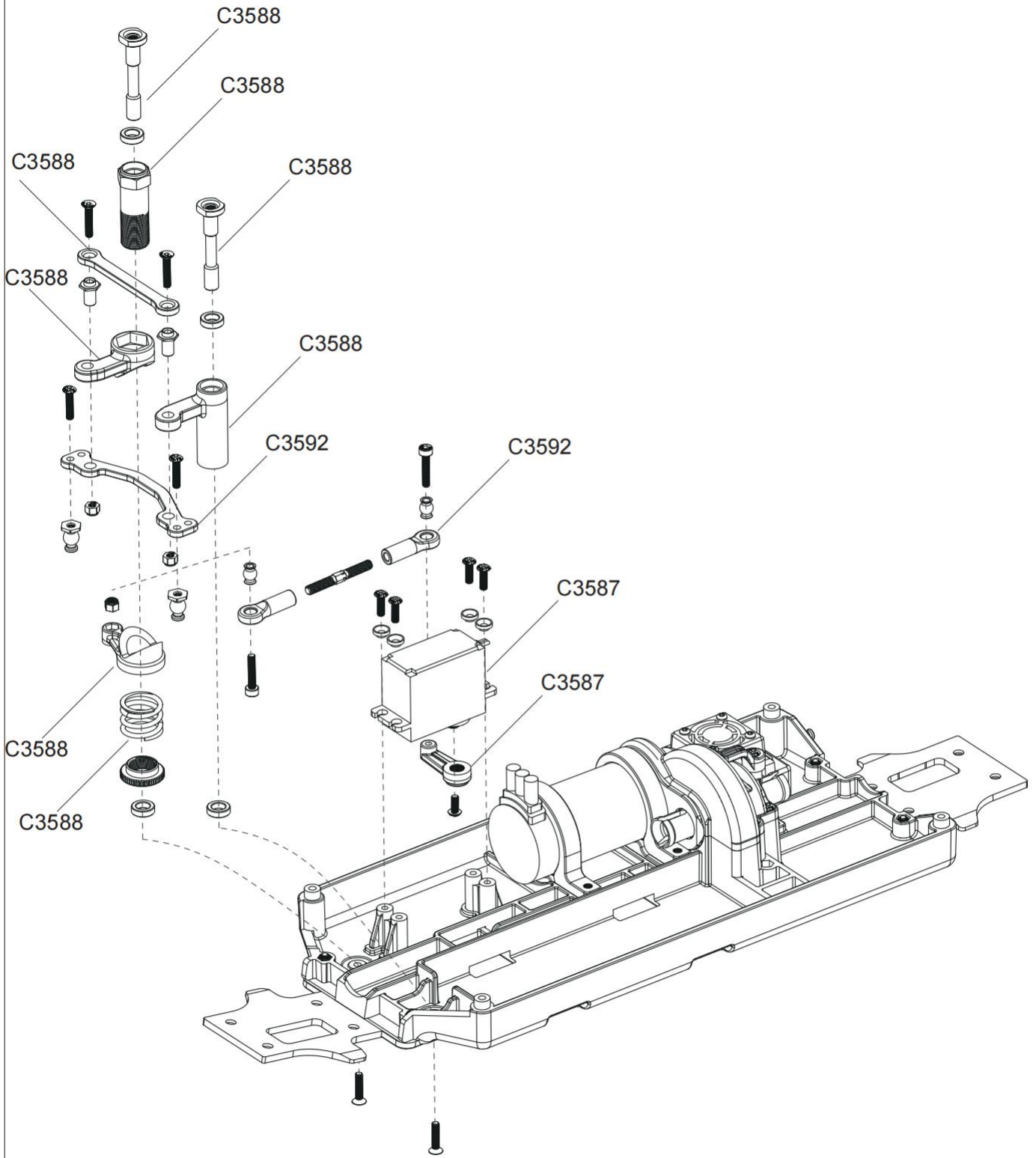


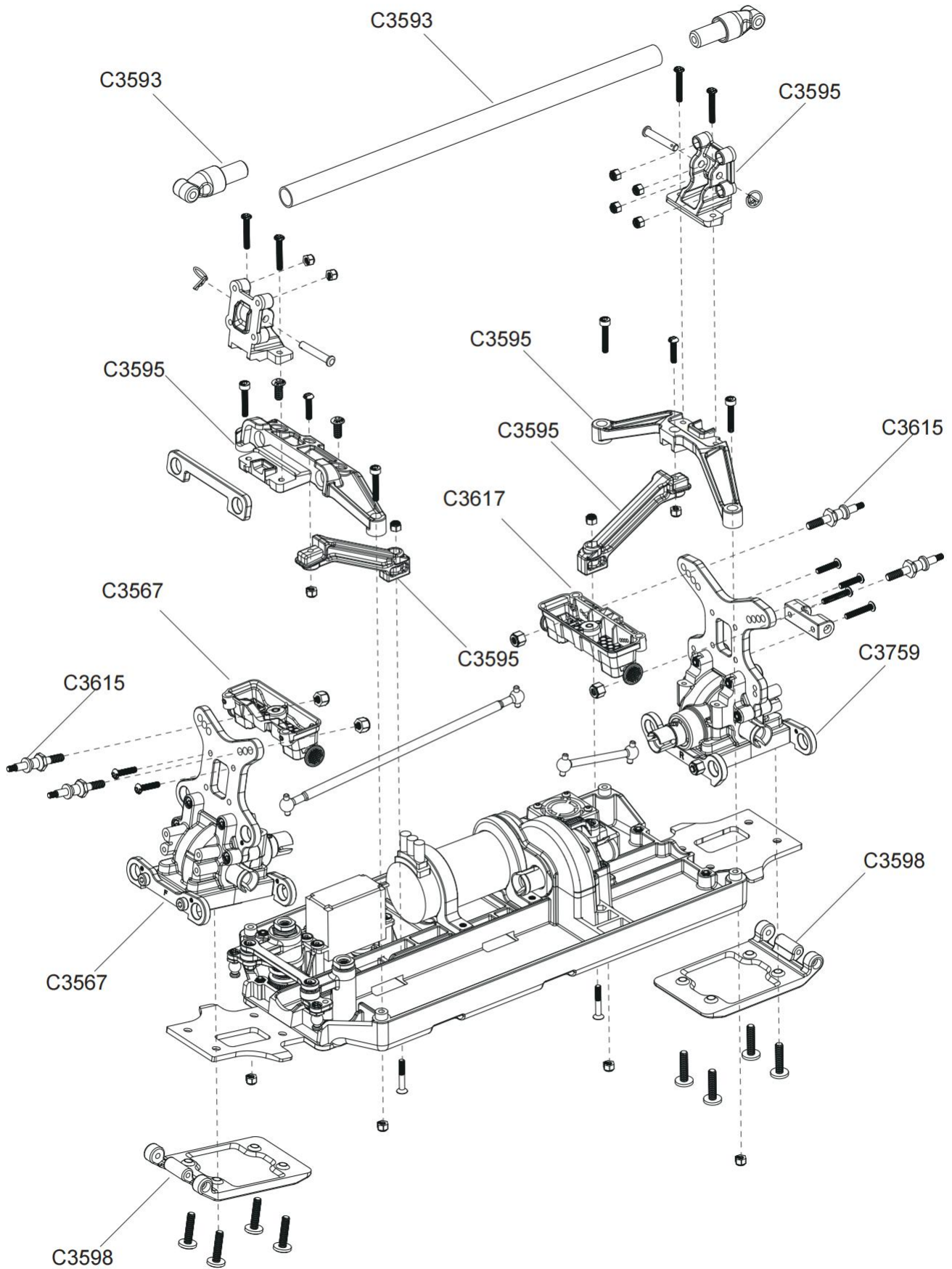
EN:FRONT DIFFERENTIAL GEAR BOX ASSEMBLY CN:前差速器

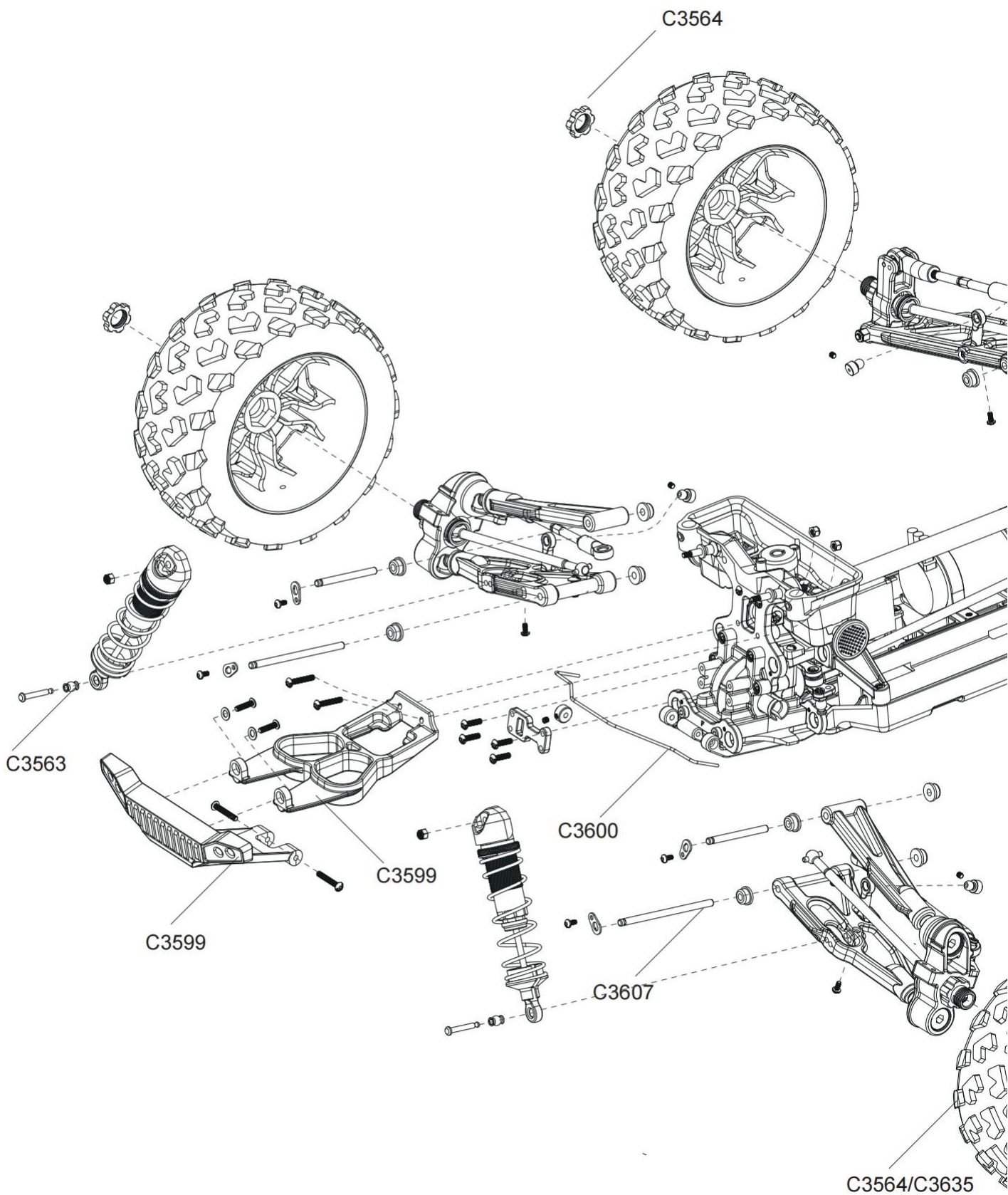


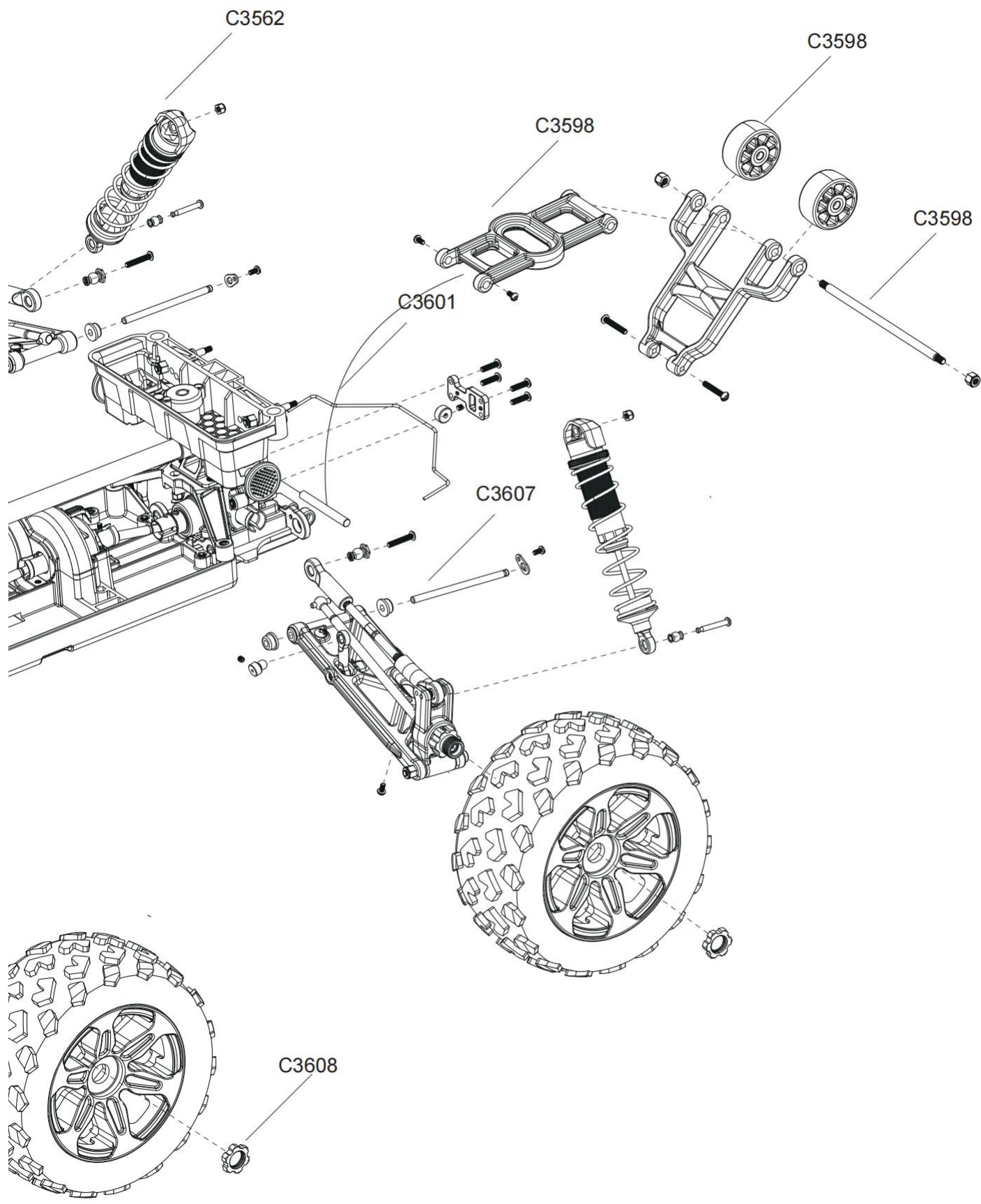


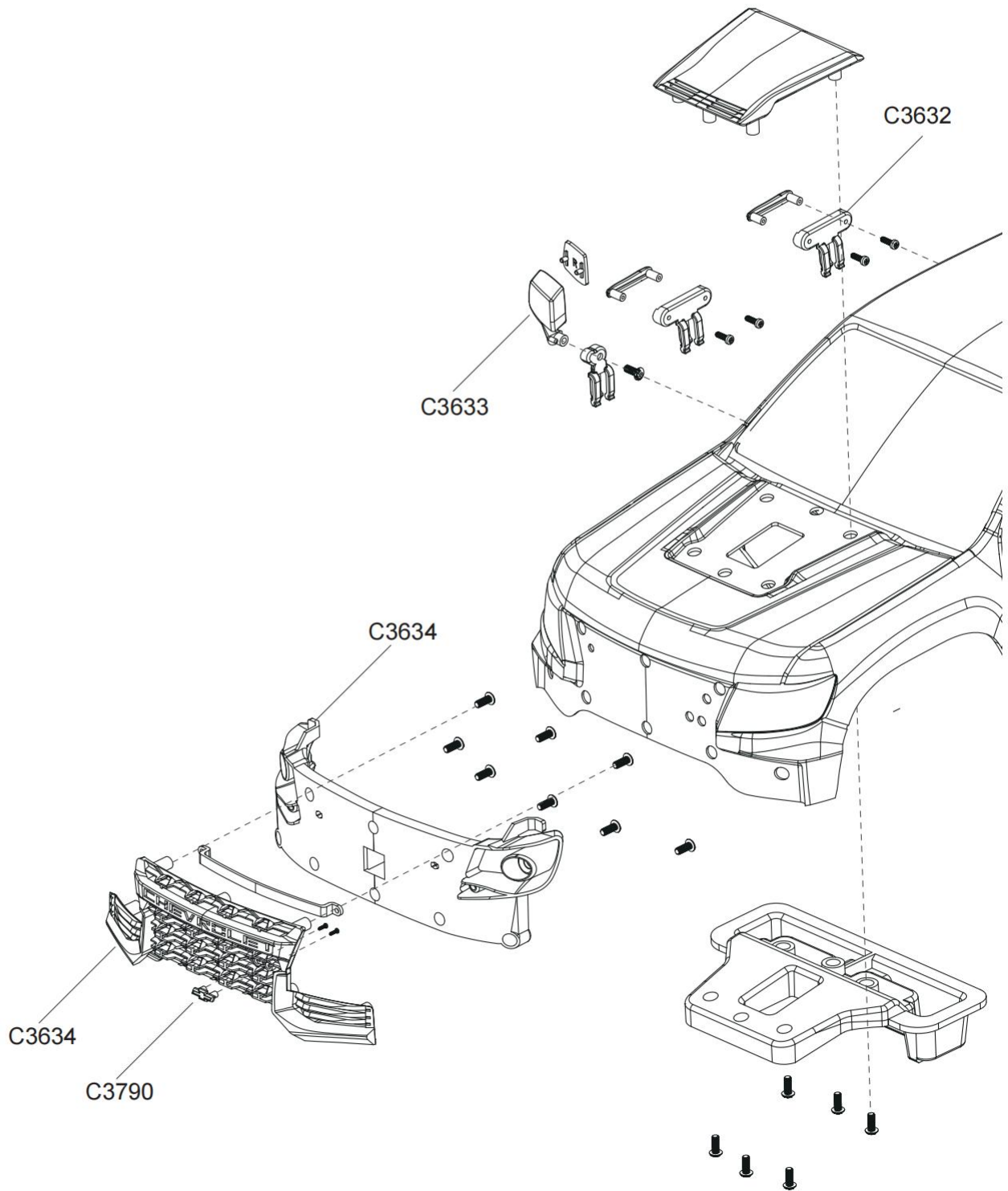


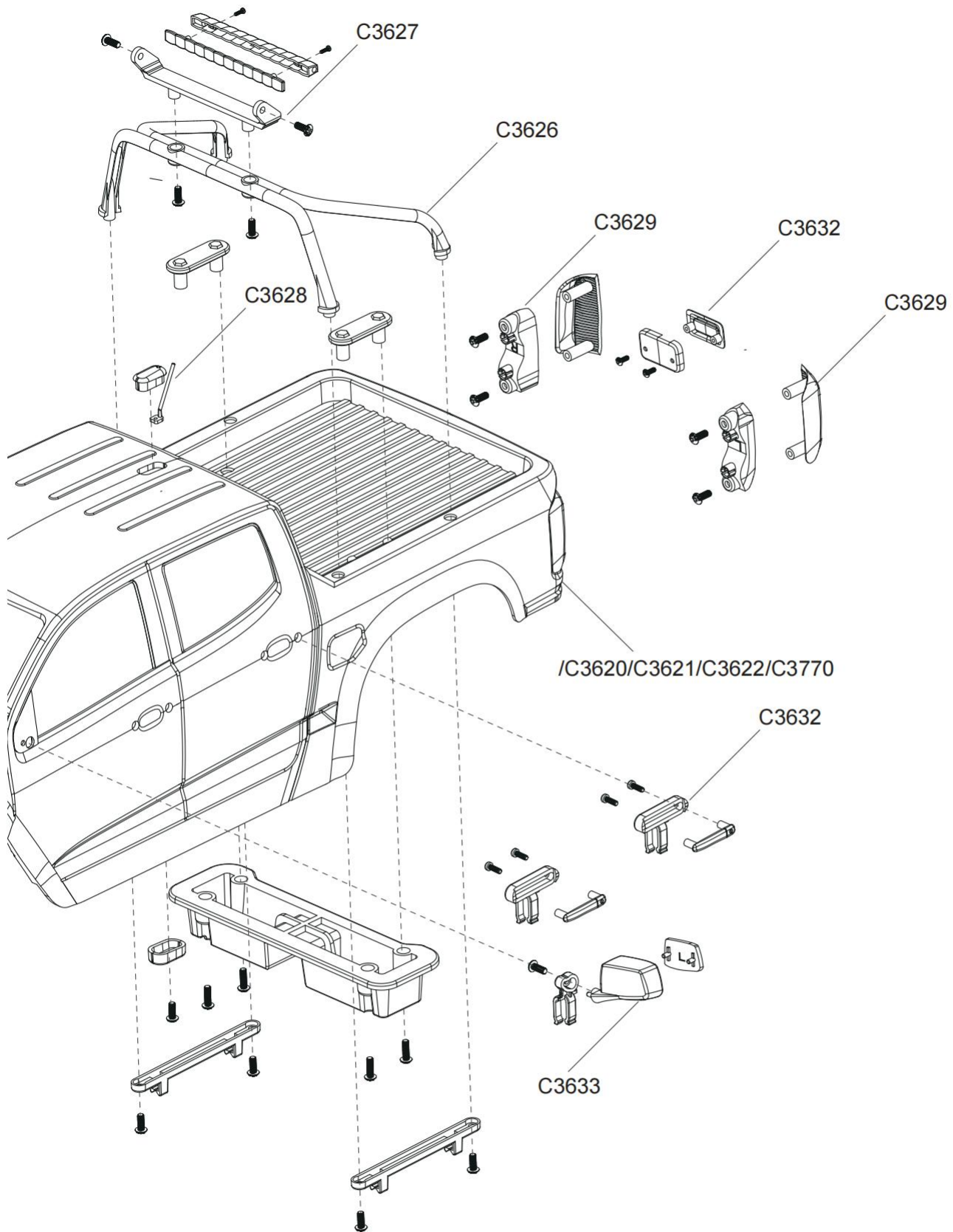




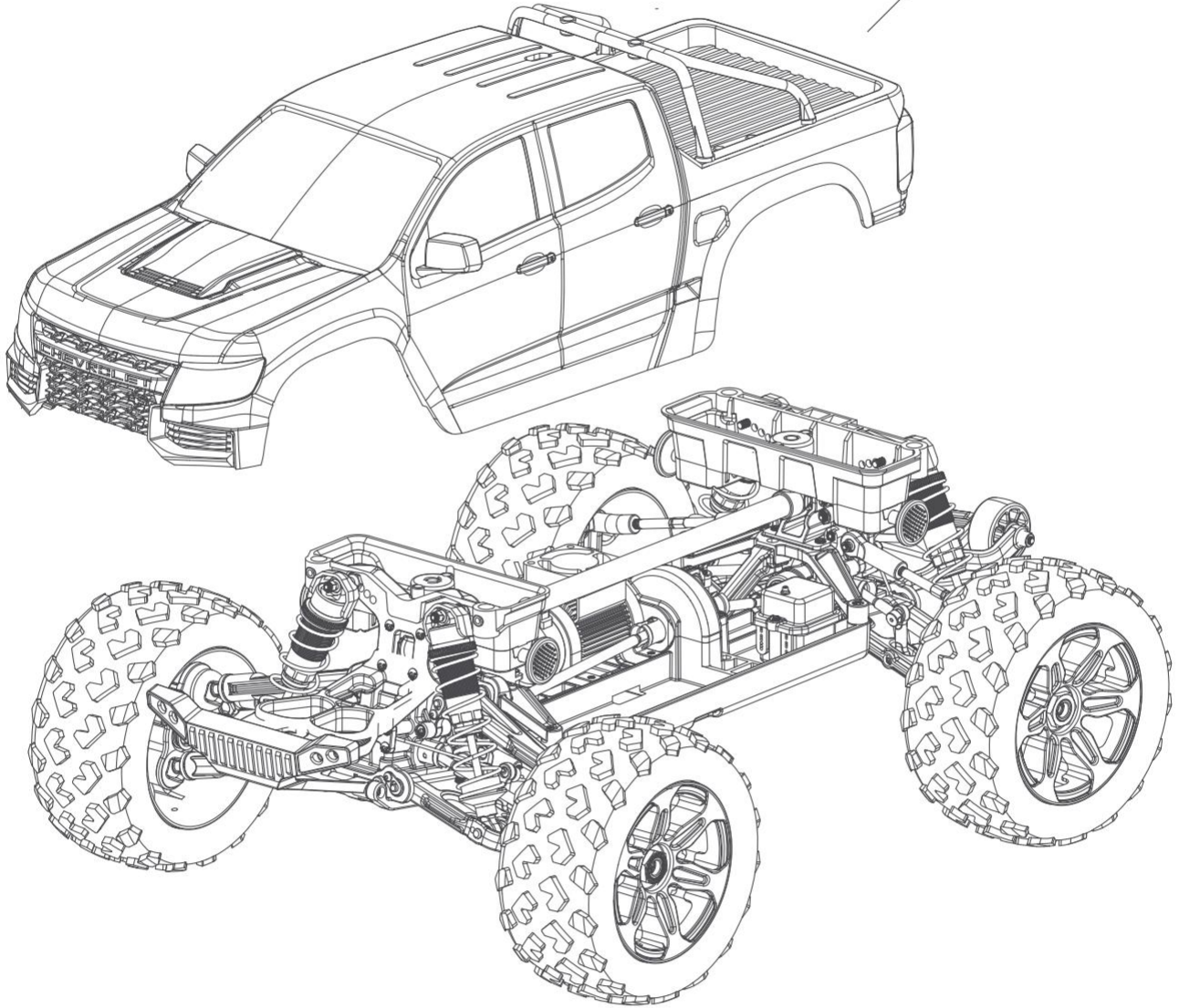








C3620/C3621/C3622/C3770



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