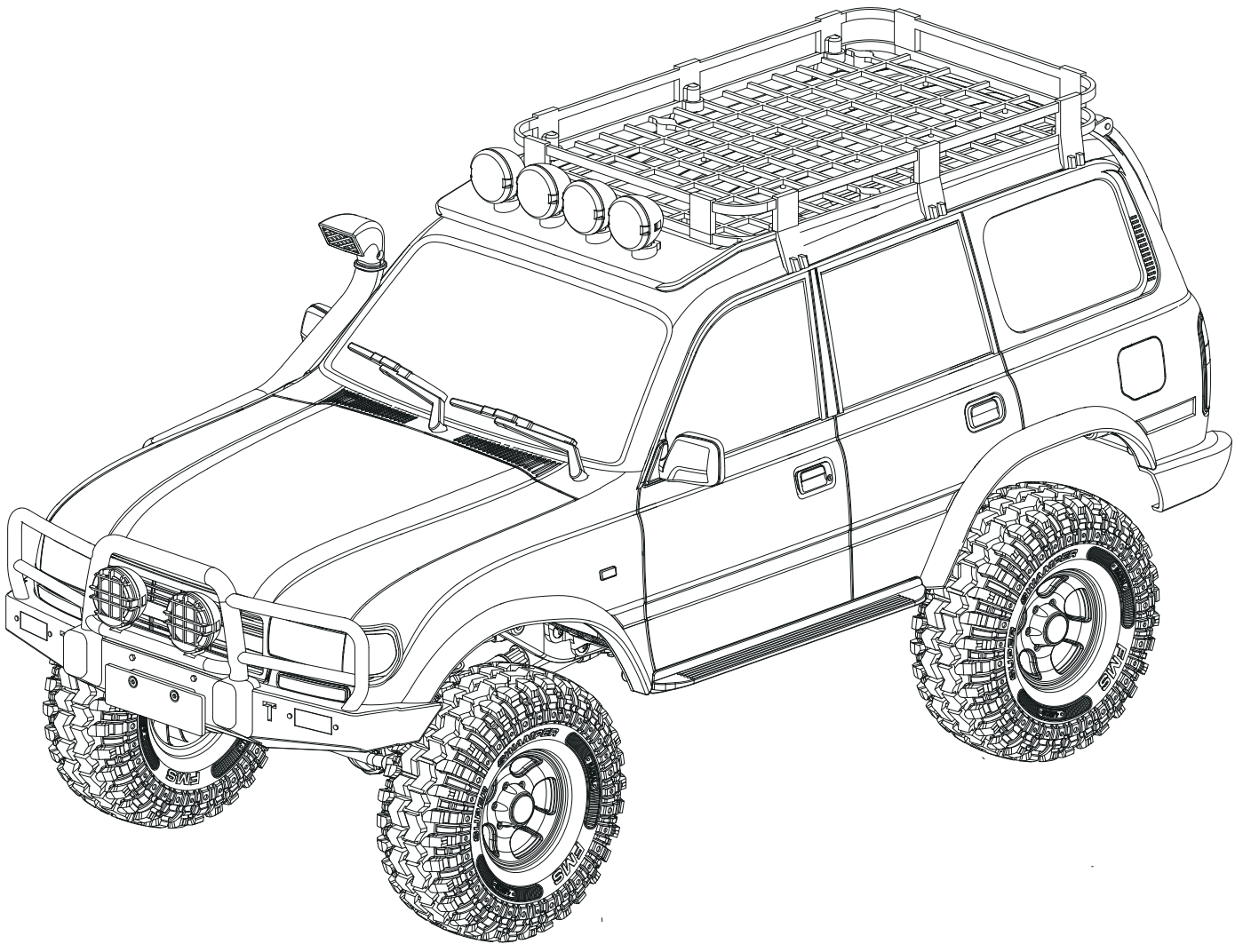
TOYOTA LC80 LAND CRUISER



FCX10

Instruction Manual

MAN-G0288

操作手册

Safety Precautions 安全保障措施

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、责任和安全说明，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.

Safety Precautions 安全保障措施

- 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

Safety Precautions 安全保障措施

• 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.

• 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。

Certifications 认证相关

DoC Declaration

Hereby, [ShenZhen FLYSKY Technology Co., Ltd.] declares that the Radio Equipment [FS-FMS-MG6-BS&FS-FMS-R6D-ESC-BS] is in compliance with RED 2014/53/EU.
The full text of the EU DoC is available at the following internet address: www.flyskytech.com/info_detail/10.html

CE Warning

The ce warns that the installation of the antenna used in this transmitter must be kept in distance from all the personnel and shall not be used or used with any other transmitter. The end user and the installer must provide antenna installation instructions and transmitter operating conditions to meet the requirements for 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 televison 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-lacated 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





CAUTION
Risk of explosion if the battery is replaced an incorrect disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion; leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

RF Exposure Statement

The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

Product Introduction 产品信息

Background 产品背景

The Toyota Land Cruiser LC80 is a large off-road vehicle developed in the early 1990s, although Its development can be traced back to the early 1980s. At that time, Toyota decided to develop a new off-road model to replace its LC60 series vehicles. During the development process, Toyota faced many challenges. Firstly, the company needed to improve the vehicle's comfort and safety while maintaining its off-road performance. Secondly, Toyota wanted to ensure that the LC80 remained stable and reliable while adapting to different terrains and environments.

To overcome these challenges, Toyota conducted extensive research and testing. They utilized modern CAD technology and numerical simulation techniques, which provided effective tools for the vehicle's design and development. Additionally, Toyota conducted numerous off-road tests to ensure that the vehicle performed well in various road conditions and environments.

Ultimately, the Toyota LC80 was officially released in 1990 and received widespread recognition and praise. It became a classic in the Toyota SUV lineup and was considered one of the leaders in the off-road vehicle market. Through the development and production of the LC80, Toyota also gained extensive experience in manufacturing off-road vehicles, establishing a solid foundation for future model developments.

丰田陆地巡洋舰LC80是在20世纪90年代初期研发的一款大型越野车。其研发背景可以追溯到20世纪80年代初期。80年代初期，丰田公司决定开发一款全新的越野车型，以取代其LC60系列越野车。在研发过程中，丰田公司面临着很多挑战。首先，丰田需要在保持越野性能的同时提高车辆的舒适性和安全性。其次，丰田需要确保LC80在适应不同地形和环境的同时，仍然能够保持稳定和可靠性。

为了克服这些挑战，丰田公司进行了大量的研发和测试工作。他们采用了现代化的CAD技术和数值模拟技术，为车辆的设计和开发提供了有效的工具。此外，丰田还进行了大量的越野测试，以确保车辆在各种路面和环境下表现出色。

最终，丰田LC80在1990年正式发布，并受到了广泛的认可和好评，成为了丰田越野车系列中的经典之作，被认为是越野车市场上的领导者之一。同时，丰田公司也通过LC80的研发和生产积累了丰富的越野车制造经验，为后来的车型开发奠定了坚实的基础。

About Model 产品介绍

Authorized by Toyota, this 1/10 Land Cruiser 80 from FMS Models adopts FCX10 simulation crawler chassis, which faithfully restores the off-road performance of the original car.

In terms of appearance, FMS still maintains a consistently high standard. In order to ensure the durability，the car body is used in PC material. In the case, the car is equipped with mirrors and waders. Through the transparent window you can see a high degree of simulation of the figure, the exquisite dashboard and cockpit interior. The roof is equipped with a luggage rack and four offroad lights.There is a climbing ladder at the rear.The vehicle comes pre-installed with headlights, front turn signals, side turn signals, rear turn signals, reverse lights, and other lighting components. The car shell uses a magnetic interface to draw power from the chassis, allowing the lights of the entire vehicle to be activated with a single button on the remote control.Additionally, we also have pre-installed fenders to keep mud from spilling onto the body and chassis.

The whole chassis adopts the mainstream middle front power layout, four-link suspension；In order to better restore the real car, the front and rear solid axle design is adopted, which is more conducive to improve the stability of control when driving. The mid-front motor and transmission, as an integral unit, have a lower center of gravity compared to similar products, resulting in a lower rolling center and reduced likelihood of rollovers.Meanwhile, There is a metal-gear waterproof servos placed in the side of battery compartment , responsible for switching high and low speeds.

In terms of convenience of daily maintenance, FMS also gives you a good consideration. The battery compartment can be flipped back or "quick release".All the electronic equipment is concentrated in the middle of the chassis, so it is very convenient for daily maintenance or removal and replacement. Thanks to our R&D capabilities, we have innovatively designed a knob-type quick release structure (this structure has been patented), and at the same time, the power and signal cables of the lights are perfectly integrated with the magnetic module.

Except for the adventurous heart, you don't need to prepare any other things.FMS will take off-road journey for you!

Product Introduction 产品信息

由丰田汽车公司授权，FMS模型出品的这款1/10模型车Land Cruiser 80，采用FCX10仿真攀爬底盘，忠实还原了原车的越野性能。

在外观仿真度方面FMS仍旧保持一贯的高水准，车壳使用PC吸塑软壳，在保证车身耐用度的情况下，车上装有后视镜和涉水器，透过透明车窗可以看到高仿真度的人偶、精美的仪表盘以及座舱内饰，车顶配备有行李架和四个橘黄色的越野探照灯，在尾部同时标配爬梯。出厂大灯, 前转向灯, 兩侧转向灯, 后转向灯, 倒车灯等均已预装完毕，车壳采用磁吸接口从底盘取电，遥控器一键唤醒全车灯光表达；此外，我们还预装了挡泥板，可以防止泥土溅到车身及底盘上。

整个底盘采用主流的中前置动力布局，四连杆悬挂，为了更好地还原真车，采用了前后直桥设计，更有利于提高驾驶时的操控稳定性；而中前置电机和变速箱作为一个整体，重心比同级产品更低，滚动重心也更低，更不易侧翻。同时电池仓一侧配备了金属防溅水舵机，负责高低速档位切换。

在日常检修便利性方面，FMS同样为您考虑周到，电池舱可向后翻起或“快拆”，所有电子设备都集中在车辆中部，日常检修维护或者拆换都非常方便。得益于强大的研发实力，我们创新性地设计了旋钮式快拆结构（此结构已获发明专利），同时将灯组的供电线及信号线完美地与磁吸模块融合在一起。

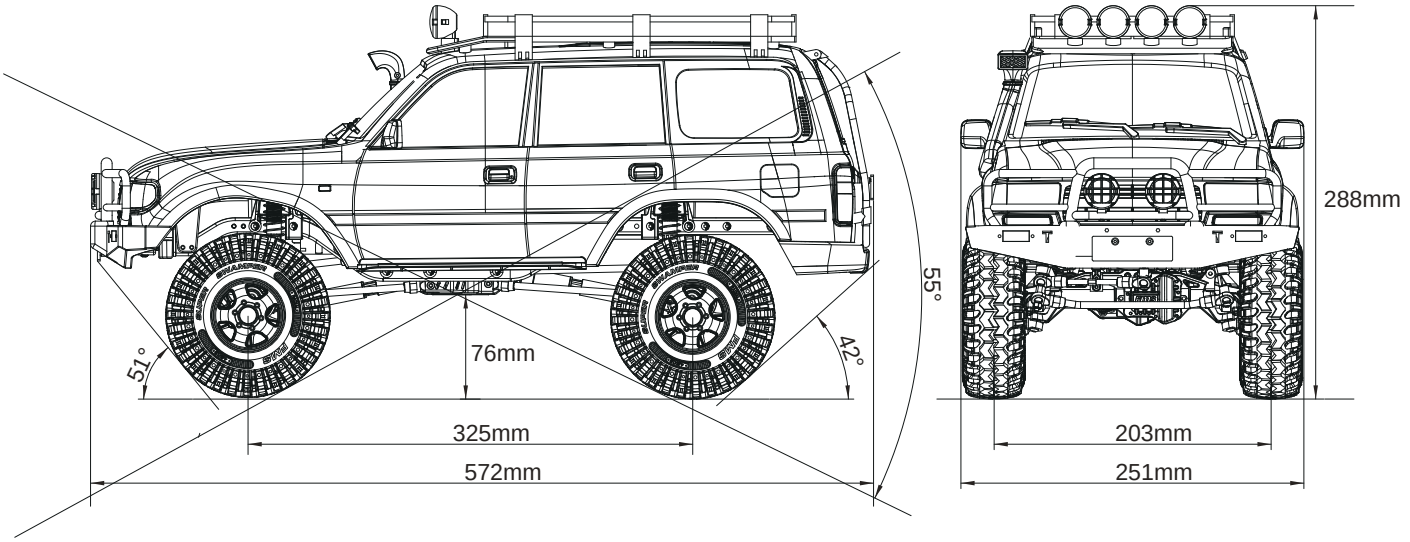
除了准备一颗渴望冒险的心，您无需再准备其它任何配件，FMS为您开启越野之旅！

Features 特点

●TOYOTA authorized car body; ●Detailed interior; ●Rich lighting effects; ●LC80 exclusive wheel hub; ●Offroad front bumper(daytime light included); ●High and low speed transmission ●Solid axle; ●RS assembled; ●Quick release structure(patented); ●Magnetic light control; ●Metal height adjustable shock absorber; ●Metal gears; ●Full ball bearing;

●丰田授权像真车壳 ●仿真内饰+人偶 ●丰富灯光效果 ●LC80专属轮毂 ●越野前防撞（含日间行车灯）●高低速换挡 ●仿真直桥设计 ●RS组装完成品 ●专利快拆结构 ●磁吸灯控 ●金属绞牙避震器 ●全车金属齿轮 ●全车滚珠轴承

Specification 产品参数



Product Introduction 产品信息

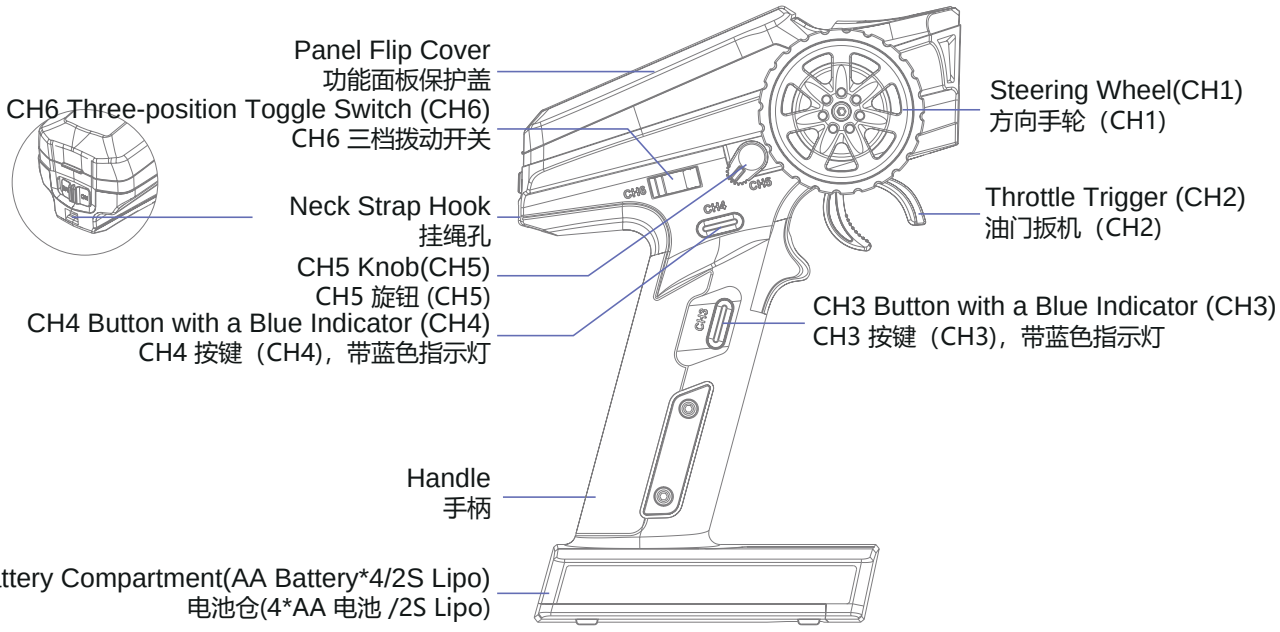
Version	RS	配置	RS
Transmitter	MG6	发射型号	MG6
Receiver	R6D-ESC-BS 60A	接收型号	R6D-ESC-BS二合一电调 60A
Light Control	DB01 PWM INPUT	灯控型号	DB01 PWM INPUT
Recommend Battery	2S 5000mAh, 3S 5000mAh	推荐电池	2S 5000mAh, 3S 5000mAh
Motor	550 32T	电机	有刷550 32T
Motor Gear Pinion	10T	马达齿齿数	10T
Motor Gear Pitch	0.8P	马达齿模数	0.8P
Spur Gear Pinion	47T	SPUR GEAR	47T
Spur Gear Pitch	0.8P	SPUR GEAR	0.8P
ESC	R6D-ESC-BS 60A	电调	R6D-ESC-BS二合一电调 60A
Steering Servo	25KG Metal Gear 25.5Kg.cm (waterproof)	转向舵机	25KG金属齿 25.5Kg.cm 防水25T
Shift/Differential Servo	13g Metal Gear servo	换挡/锁差/驱动舵机	13克金属齿
Product Size	572*251*288mm	整车尺寸（长宽高）	572*251*288 带射灯
Wheelbase	325mm	轴距	325mm
Tread	203mm	轮距	203mm
Approach Angle	51°	接近角	51°
Departure Angle	42°	离去角	42°
Breakover Angle	55°	纵向通过角	55°
Ground Clearance	76mm	离地距离	76mm
Steering Type	Front 2WS	转向	前2WS
Maximum steering angle	45°	最大转向角	45°
Maximum Climbing Angle	60°(artificial turf)	最大爬坡角度	60°(人造草皮)
Tire Size	120mm,46mm	轮胎（直径和宽度）	120mm,46mm
Wheelhub Size	66mm,26mm	轮毂（直径和宽度）	66mm,26mm
Wheelhub Adaptor Size	12mm	轮毂接合器尺寸	12mm
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	140*47*40mm	电池舱尺寸	140*47*40mm
Maximum Speed	10km/h / 22km/h	最大速度	10km/h / 22km/h
Endurance Reference	30min (3S 5000mAh 35C)	续航时间	30min (3S 5000mAh 35C)
Maximum Control Distance	150m in clear space	最大遥控距离	≤150m

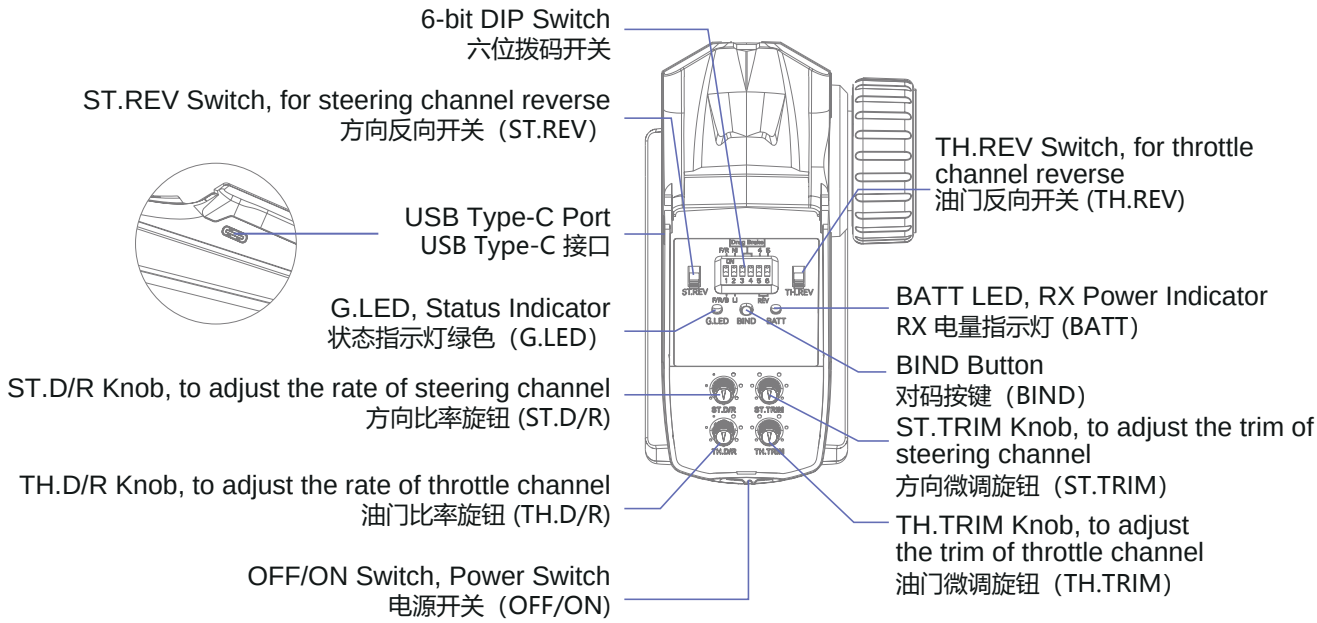
Transmitter Instruction 发射机介绍

This system is compatible with 2.4GHz 2A-BS protocol and consists of FS-FMS-MG6-BS transmitter and FS-FMS-R6D-ESC-BS receiver. It supports two-way transmission and outputs six channels. The transmitter is lightweight and compact in design, comfortable and ergonomic, it supports ESC parameters setting and compatible with RC cars.

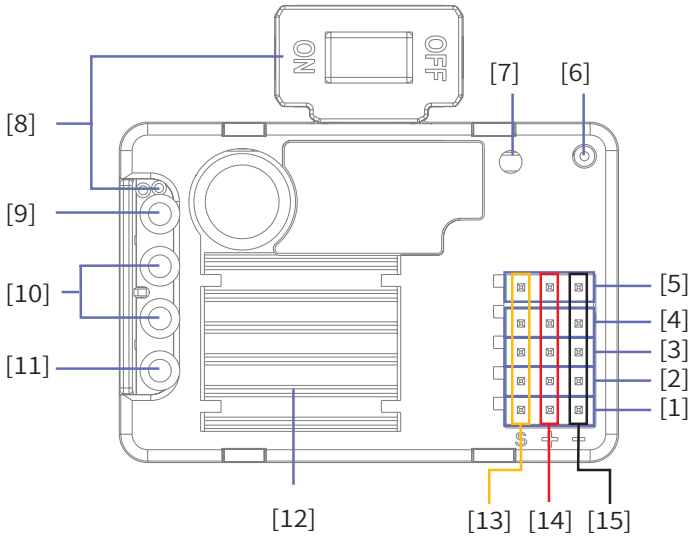
本系统采用 2.4GHz 2A-BS 协议，由 FS-FMS-MG6-BS 发射机和 FS-FMS-R6D-ESC-BS 接收机组成。支持双向传输，输出六通道，外观轻巧，手感舒适，符合人体工程学，支持通过发射机设置电调参数，适配模型车使用。

Transmitter Overview 发射机概览





Receiver Overview 接收机概览



[1]	CH1 Connector	CH1 通道接口	[9]	Motor Connector "+"	马达接口 "+"
[2]	CH3 Connector	CH3 通道接口	[10]	Battery Connector	电池接口
[3]	CH4 Connector	CH4 通道接口	[11]	Motor Connector "-"	马达接口 "-"
[4]	LED Light Connector	LED 车灯接口	[12]	Heatsink	散热片
[5]	CH6 Connector	CH6 通道接口	[13]	S (Signal Pin of CH/ LED Light Connector)	S（通道 / 车灯接口信号端）
[6]	Antenna	天线	[14]	+ (Anode of CH/ LED Light Connector)	+（通道 / 车灯接口正极）
[7]	LED	LED 指示灯	[15]	- (Cathode of CH/ LED Light Connector)	-（通道 / 车灯接口负极）
[8]	Power Switch	电源开关	/	/	/

Receiver LED 接收机指示灯

The LED status indicates the power supply status of the receiver and its operating status.
Off: The receiver is not powered on.
Solid ON: The receiver works normally.
Fast Flashing: The receiver is in the binding mode.
Slow Flashing: The transmitter bound is powered off, or it has been not bound with a transmitter, or the receiver does not receive any signal.

接收机状态指示灯用于指示接收机的电源及工作状态。

指示灯灭：接收机电源未接通。

指示灯灯常亮：接收机正常工作。

指示灯快闪：接收机处于对码状态中。

指示灯慢闪：发射机未开机或未对码，无信号情况。

Connector 接口

All channel connectors are 2.54mm*3 Pin standard pins, and the battery connector is XT60 male connector, and the spec of motor connector is a 4.0 mm bullet female connector. Connectors are used to connect the receiver to the various components of the model.

所有通道接口均采用标准 2.54mm*3 Pin 排针，电池接口采用 XT60 公头接口，马达接口采用 4.0 mm 子弹头母型接口，用于连接接收机与模型的各个终端部件。

Receiver Overview 接收机概览

Receiver LED 接收机指示灯

It is an external antenna.

本接收机天线为外置单天线。

⚠ Danger 注意	Do not pull the antenna of the receiver. Do not tie the antenna and the servo cable together. 不要拉扯接收机的天线，也不要将天线和舵机连接线绑在一起。
⚠ Warning 警告	Do not put the antenna close to the metal materials, because this will affect the signal strength of the receiver. Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal. 接收机天线需远离导电材料，例如金属棒和碳纤物质。为避免影响正常工作，请确保接收机天线 和导电材料之间至少有 1cm 以上的距离。

Getting Started 使用前准备

Transmitter Antenna 发射机天线

The transmitter has a built-in antenna. When the transmitter starts to work, the antenna automatically operate,without additional operations.

本发射机天线为内置天线，发射机开始工作，天线自动工作，无需单独进行操作！

Receiver and Servo Installation 接收机与舵机安装

Make sure that the receiver is mounted in an appropriate location within the model, to ensure a stable signal, maximum range and to mitigate external interference, follow these guidelines:

Pay attention to the following when installing the receiver:

1. Make sure the receiver is not installed near motors or sources of electrical noise.
2. Keep the receiver's antenna away from conductive materials such as carbon or metal. To ensure normal function, make sure there is a gap of at least 1cm between the antenna and the conductive material.

请结合相应模型的结构选择合适的位置安装接收机， 同时为了确保接收机的性能和遥控距离的稳定，并防止外界干扰，请注意以下操作事项：

安装过程中请注意以下事项：

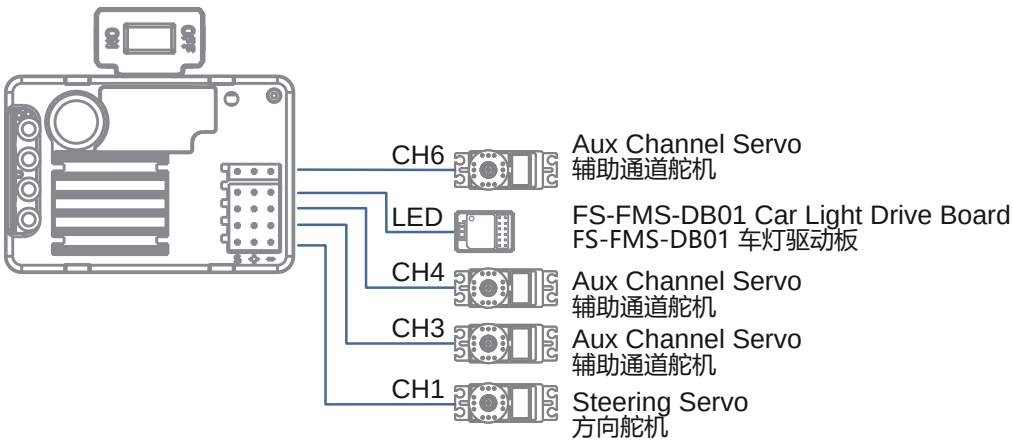
1.确保接收机安装在远离电机，或电子噪声过多的区域。

2. 接收机天线需远离导电材料，例如金属棒和碳纤物质。为了避免影响正常工作，请确保接收机和导电材料之间至少有 1 厘米以上的距离。

⚠ Danger 注意	To prevent damage do not power on the receiver during installation. 准备过程中，请勿连接接收机电源，避免造成不必要的损失。

Connect the servos/car light drive board to the receiver according to the digram below.

请参考如下图示来连接接收机与舵机 / 灯板：



Getting Started 使用前准备

Transmitter Battery Installation 发射机电池安装

⚠ Danger 注意	Only use specified battery (X4 AA batteries). 仅使用厂家指定的电池。
⚠ Danger 注意	Do not open, disassemble, or attempt to repair the battery. 请勿打开、拆卸或自行维修电池。
⚠ Danger 注意	Do not crush/puncture the battery, or short the external contacts. 请勿挤压、刺穿或接触电池的金属端子。
⚠ Danger 注意	Do not expose to excessive heat or liquids. 准请勿将电池置于高温环境或液体中。
⚠ Danger 注意	Do not drop the battery or expose to strong shocks or vibrations. 请注意防止电池跌落、碰撞或振动。
⚠ Danger 注意	Always store the battery in a cool, dry place. 请将电池存放在干燥阴凉的环境中。
⚠ Danger 注意	Do not use the battery if damaged. 如果电池损坏，请立即停止使用。

Installing the AA Battery

Follow the steps below to install the AA batteries:

1. Open the battery compartment cover as illustrated.
2. Insert 4 fully-charged AA batteries into the compartment. Make sure that the batteries are well set according to the polarities marked on the battery compartment.
3. Replace battery compartment cover.

Installing the LiPo Battery

Follow the steps below to install the LiPo battery:

1. Open the battery compartment cover.
2. Insert 2S fully-charged LiPo battery into the compartment.
3. Plug the cable of LiPo battery into the JST Jack. Make sure to connect correctly according to the polarities marked on the battery compartment.
4. Replace battery compartment cover. Be careful not to pinch the cable.

AA 电池安装

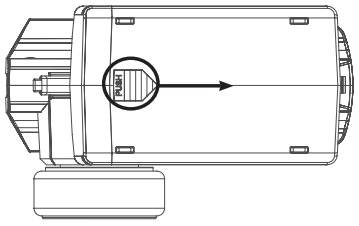
请按照以下步骤安装 AA 电池：

1. 打开电池仓盖（如图所示）；
2. 将 4 颗电量充足的电池按标注的极性方向装入电池仓内；
3. 盖好电池仓盖。

LiPo 锂电池安装

请按照以下步骤安装锂电池：

1. 打开电池仓盖。
2. 将 2S 电量充足的锂电池放入电池仓内，
3. 将电池连接线接入 JST 接口，确保正确连接正负极；
4. 盖好电池仓盖，注意不要夹到电池连接线。



Press to slide the cover as illusrtated. Then remove the cover.

按住此处并向前滑动，取下电池舱盖。

Instructions 操作指引

After setting up, follow the instructions below to operate the system.
准备操作完成后，您可以按照本章指引开始使用本产品。

Power On 开机

Follow the steps below to turn on the transmitter:
1. Check to make sure that the batteries are fully charged and installed correctly.
2. Toggle the Power Switch to the ON position. The G.LED will be solid on, both the ambient light and the BATT LED will be on for 3 seconds, and then will be off.

Note: For safety, always power on the transmitter before the receiver.

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. 将电源开关拨到 [ON] 位置，G.LED 指示灯常亮，氛围灯和 BATT 指示灯亮 3 秒后灭。

注：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通电。

⚠ Warning 警告	Operate with caution in order to avoid damage or injury. 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。

LED Indicator LED 指示

The G.LED of the transmitter is used to indicate the functional status of the transmitter; The BATT LED is used to indicate the power status of the transmitter and the power status of the receiver, the details are as follows.
1. G.LED: The green status indicator
• When the transmitter is in binding status, the G.LED will flash rapidly.
• When the transmitter voltage is low, the G.LED will flash slowly.
• When the transmitter is in idle alarm/sleep mode, the G.LED will be in gradual light status.
• When the transmitter is in end point adjustment status, the G.LED will work in two-flash-one-off status.
2. BATT Indicator: The battery power indicator for the transmitter or the 2-in-1 receiver
• When the battery power is high, the BATT LED will be green solid on.
• When the battery power is medium, the BATT LED will be yellow solid on.
• When the battery power is low, the BATT LED will be red solid on.
• When the battery power is ultra low, the BATT LED will flash red slowly.
Note: In three seconds after the power-on of the transmitter, the BATT LED indicates the transmitter battery power status. When the transmitter is powered on for 3 seconds, the receiver battery power status is indicated.
• When the transmitter does not receive the return message, the BATT LED will be off.
• When the receiver is de-bound, the BATT LED will maintain in the status when the receiver is de-binding.

本发射机的 G.LED 用于指示发射机功能状态；BATT 指示灯用于指示发射机电量和接收机回传的电池电量状态，具体如下：

1. G.LED：绿色状态指示灯

• 快闪：对码状态

• 慢闪：电压低

• 呼吸灯：闲置状态 / 休眠模式

• 二闪一灭 ： 舵量设置

2. BATT：发射机 / 二合一接收机电池电量状态指示灯

• 绿色常亮：电压高

• 黄色常亮：电压中

• 红色常亮：电压低

• 红色慢闪：电压超低

注：发射机开机后前 3 秒，BATT 指示灯指示发射机电池电量状态；当发射机开机 3 秒后，则指示接收机电池电量状态：

• 未收到接收机回传信息时，BATT 指示灯灭

• 接收机掉码时，BATT 指示灯则保持掉码时状态

Instructions 操作指引

Binding 对码

The transmitter and the receiver have been pre-bound before delivery. If you are going to use another receiver,follow the steps below to rebind. The transmitter supports two-way binding, the steps are as following:
1. Turn on the transmitter while holding the BIND button, then the transmitter will enter the binding mode. At this time, the G.LED will flash quickly. Once in binding mode, release the BIND button.
2.Turn on the receiver, and it will wait for 1 second for connection. If without connection, the receiver will enter the binding mode automatically. At this time, the receiver LED will be flashing fast.
3.Once the binding is successful, the receiver LED and the G.LED of the transmitter will be solid on.
4.Verify that the transmitter and the receiver are working properly. If you need to re-bind, repeat the above steps.

本发射机和接收机在出厂前已对码成功。若需使用其他接收机，请按照如下步骤进行对码。本发射机支持双向对码，对码步骤如下：

1. 将发射机按住对码按键（BIND）开机即进入对码状态，此时 G.LED 指示灯快闪，松开对码按键；
2. 接收机上电等待 1 秒没有连接即自动进入对码状态，此时接收机 LED 快闪；
3. 对码成功后，接收机 LED 指示灯及发射机 G.LED 指示灯常亮；
4. 检查发射机、接收机是否正常工作。如需重新对码，请重复以上步骤。

Stick Calibration 摇杆校准

Use this function to correct for the mechanical deviation of the throttle trigger, steering wheel and CH5 knob, for example, deviation occurred in the self-centering or maximum minimum travel, the steps are as following:
1. Turn and hold the steering wheel clockwise to the max travel point and push the throttle trigger forwards as far as possible, and at the same time turn on the transmitter, the transmitter will be in calibration mode, meanwhile, the buzzer will sound three times for prompt.
2. Steering Wheel Calibration: Turn the steering wheel to the max and min travel point clockwise/counterclockwise respectively, and the buzzer will sound two times for prompt.
3. Throttle Trigger Calibration: Push/pull the throttle trigger to forward/backward as far as it will go, and the buzzer will sound once for prompt.
4. CH5 Knob Calibration: Turn the CH5 knob to its max and min travel point clockwise/counter-clockwise respectively, and the buzzer will give a long beep.
5. Press the BIND button to save and exit in case of the calibration is successful, and the buzzer will give a long beep.

*If the calibration fails, pressing the BIND button is invalid. Repeat the steps above.

当油门、手轮和 CH5 旋钮发生机械性偏离，如回中或最大 / 最小行程出现偏差时，使用此功能修正。步骤如下：
1. 同步将手轮顺时针打到最大、扳机往前推到底并开机，进入校准模式，发射机蜂鸣器响 3 声提示；
2. 手轮校准：将手轮分别按顺时针和逆时针方向转至最大和最小行程，发射机蜂鸣器响 2 声提示；
3. 扳机校准：将扳机分别向前和向后推至最大和最小行程，发射机蜂鸣器响 1 声提示；
4. CH5 旋钮校准：将 CH5 旋钮分别按顺时针和逆时针方向转到最大和最小行程，发射机蜂鸣器长响 1 声提示；
5. 按 BIND 键退出并保存校准数据，发射机蜂鸣器长响 1 声提示 。

*若校准失败，按 BIND 键无反应，请重复以上校准步骤。

Power Off 关机

Follow the steps below to turn off the system:
1. Turn off the receiver first.
2. Toggle the transmitter's power switch to the [OFF] position.

请按以下步骤关闭发射机：
1. 先断开接收机电源；
2. 将电源开关拨到 [OFF] 位置，关闭发射机。

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

System Functions 系统功能

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

此章节主要介绍系统各项功能操作。

Channel Description 通道说明

The transmitter outputs a total of 6 channels, which are assigned as below, as well as the functions.

该发射机共输出 6 个通道，控件分配及相关功能如下：

Channel 通道	Assigned Control 已分配的控件	Function 功能
CH1	Steering Wheel 方向手轮	Steering, to make the model car to turn right or left.Turn the steering wheel in clockwise or counterclockwise to control the left/right steering. 方向，控制车子左右转向。沿顺时针或逆时针方向旋转手轮，可控制车子左右转向。
CH2	Throttle Trigger 油门扳机	Throttle, to control the model car to move forward or backward. Push or pull the throttle trigger to control the model car forward or backward. 油门，控制车子前后行驶。推或扣油门扳机控制车子前进或后退。
CH3	CH3 Button CH3 按键	User can customize the channel function. For example, function as a fast / slowposition servo channel. 可自定义通道功能，如可作为快慢档舵机通道。
CH4	CH4 Button CH4 按键	
CH5	CH5 Knob CH5 旋钮	For the 2-in-1 receiver, it controls car lights, and for the standard receiver, it can be customized the channel function. 控制车灯（切换车灯状态，共三个状态）。
CH6	CH6 Three-position Toggle Switch CH6 三档拨动开关	User can customize the channel function. For example, function as a fast / slow-position servo channel. 可自定义通道功能，如可作为快慢档舵机通道。

Channel Reverse 通道反向

This function reverses the motion direction of steering channel, throttle channel, CH4 and CH5 servos.

The ST.REV and TH.REV switches are reverse setting switches of steering channel and throttle channel respectively. Switches 5 and 6 of the 6-bit DIP switch are the reverse setting switches of CH4, and CH5, respectively. A switch on the upper position indicates that the servo output is normal; a switch on the lower position indicates that the servo output is reverse.

Setup:

Toggle the corresponding setting switch to the upper position, the buzzer will have one beep. Toggle the switch to the lower position, the buzzer will have two beeps.

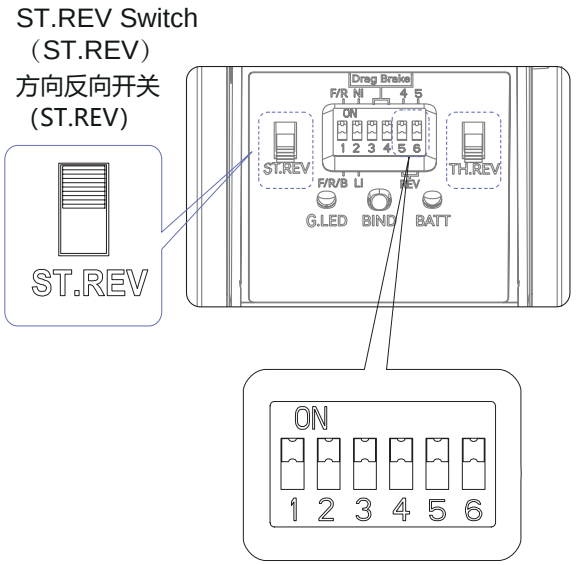
该功能可将方向通道、油门通道、通道 4 和通道 5 舵机的动作方向反转。

ST.REV 开关和 TH.REV 开关分别为方向通道、油门通道反向设置开关。六位拨码开关第 5 和 6 位开关分别为通道 4 和通道 5 反向设置开关。开关在上端，表示舵机输出为正向；开关在下端，表示舵机输出为反向。

功能设置：

将对应的设置开关拨至上端，蜂鸣器响一声提示；将开关拨至下端，蜂鸣器响两声提示。

ST.REV Switch
（ST.REV）
方向反向开关
（ST.REV）



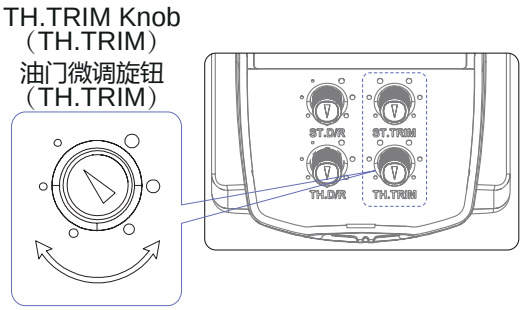
6-bit DIP Switch
六位拨码开关

System Functions 系统功能

Trims 微调设置

This function can set the trim of steering channel, throttle channel and CH6 channnel.
Steering Channel and Throttle Channel Trim Adjustment
The ST.TRIM and TH.TRIM knobs correspond to the trim adjustments of the steering channel and throttle channel respectively. When the knob is centered by default, the trim value is zero. When adjusting counterclockwise, the trim value increases to a maximum of 120us. When adjusting clockwise, the trim value decreases to a minimum of -120us. Note that when the channel is set in reverse, the trim is reversed at the same time, that is, the trim value decreases in the counterclockwise adjustment, and the trim value increases in clockwise adjustment.

该功能可设置方向通道、油门通道和 CH6 通道的微调中位点。
方向通道 / 油门通道微调调节
调节方向通道和油门通道微调。
ST.TRIM 和 TH.TRIM 旋钮分别对应方向通道和油门通道微调调节。默认旋钮居中时，微调值为 0。 逆时针调节时，则增大微调值，最大为 120us; 顺时针调节时，则减少微调值，最小为 -120us。注意当通道设置反向后，微调同步反向，即逆时针调节时减少微调值，顺时针调节时增大微调值。



Setup:
Turn the trim knobs corresponding to the channel clockwise or counterclockwise for trim adjustment. The buzzer will have one beep when the position is reached to the center.

Note: After the throttle trim is changed, the receiver needs to be repowered on to recognize the new throttle neutral. Otherwise, an exception may occur during RC car reversing.

功能设置：
顺时针或逆时针旋转通道对应的微调旋钮调节。过中位时，蜂鸣器响一声提示。
注：CH2 油门微调调整后，接收机须重新通电以识别新的油门中位，否则可能会出现倒车异常的现象。

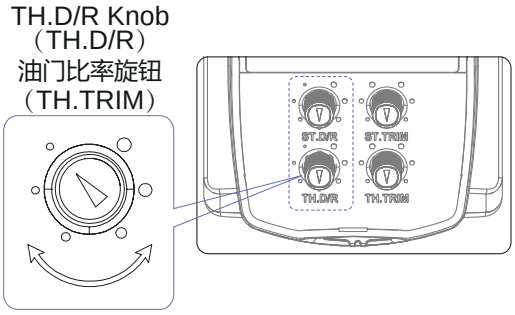
CH6 Trim Adjustment
Adjust the CH6 channel trim. Before adjusting, you must first enter the CH6 trim adjustment mode, and then adjust the trim value corresponding to the three positions of the CH6 three-position toggle switch by using the CH3 button(increase value) and the CH4 button(decrease value).
The adjustment range is from -120us to +120us, and the adjustment step is 5us.
Setup:
1. In the power-on status, rotate the steering wheel clockwise to its maximum point, and at the same time quickly press BIND twice to enter the channel 6 trim setting mode.
2. Toggle the CH6 three-position toggle switch to the far left, and respectively press CH3 or CH4 to adjust to an appropriate trim value for the position. After each adjustment, the buzzer sounds once, and the buzzer will turn off when the maximum/minimum value of the adjustment range is reached。
3. Toggle the CH6 three-position toggle switch to the middle position or the far right, and adjust the value for the corresponding position as described in the previous step.
4. Long press BIND for 1 second (the buzzer will give a long beep) or restart the transmitter to exit the trim setting mode.

CH6 通道微调调节
调节 CH6 通道微调。调节前须先进入 CH6 微调调节模式，再通过 CH3按键（增加数值）和 CH4 按键（减少数值）调节 CH6 三档拨动开关三个档位对应的微调值。调节范围 -120us ~ +120us，调节步进 5us。
功能设置：
1. 开机状态下，将手轮顺时针打到最大并保持，双击对码按键（BIND），发射机即进入 CH6 微调调节模式；
2. 将 CH6 三档拨动开关拨至最左侧，分别按 CH3 按键和 CH4 按键调节此档位至合适的微调值。调节一次，蜂鸣器响一声提示，达到调节范围最大 / 小值后，蜂鸣器关闭；
3. 将 CH6 三档拨动开关拨至中间位置或最右侧位置，按上一步所述操作调节相应档位的微调值；
4. 长按 BIND 按键 1 秒（蜂鸣器长响一声提示）或重启发射机退出微调调节模式。

System Functions 系统功能

D/R 比率设置

This function is used to adjust the rate of steering channel and throttle channel, so that the servo actions tend to be sensitive.
ST.D/R is used to adjust the steering channel rate. TH.D/R is used to adjust the throttle channel rate. Turning the knob anticlockwise will increase the value. Turning the knob clockwise will decrease the value. Smaller values indicate finer adjustment. The range is from 0 to 100%.
Setup:
Turn the D/R knobs corresponding to the channel clockwise or counterclockwise for D/R adjustment. The buzzer will have one beep when the position is reached to the center.



该功能用于调节方向通道和油门通道的比率，使舵机动作趋于灵敏。
ST. D/R 和 TH.D/R 旋钮分别对应方向通道和油门通道比率调节。逆时针调节数值增大，反之减小。数值越小调节越细腻，调节范围为0~100%。
功能设置：
顺时针或逆时针旋转通道对应的比率调节旋钮调节。过中位时，蜂鸣器响一声提示。

End Point Adjustment 舵量设置

This function is used to adjust the end points of all channels.
By default, it is used to set the steering channel end points. The end points setting of the others can be triggered by operating the control corresponding to this channel.

Steering Channel End Point Adjustment
Adjust the end points of steering channel (the control of steering channel is steering wheel).
Setup:
1. In the power-on status, press BIND twice, then the transmitter enters the end point setting mode. At this time, G.LED will work in two-flash-one-off mode repeatedly, and the buzzer will prompt with beeping twice cyclically.
2. Rotate the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will prompt with beeping once cyclically.
3. Take the center of the steering wheel as the reference, reverse the rotation of the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will be turned off at this time.
4. Press BIND for one second to save the setting and exit the end point setting mode. The buzzer will give a long beep, and the G.LED will be solid on. The end points setting of the steering channel is finished.

CH6 End Point Adjustment
Adjust the end points of CH6 (the control of CH6 is CH6 Three-position Toggle Switch).
Setup:
1. In the power-on status, press BIND twice, then the transmitter enters the end point setting mode. At this time,G.LED will work in two-flash-one-off mode repeatedly, and the buzzer will prompt with beeping twice cyclically.
2. Toggle CH6 Three-position Toggle Switch to one position. The buzzer will prompt with beeping three times cyclically.
3. Rotate the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will prompt with beeping twice cyclically. The setting of this position is completed.
4. Toggle CH6 Three-position Toggle Switch to another position. Rotate the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will prompt with beeping once cyclically. The setting of this position is finished.
5. Toggle CH6 Three-position Toggle Switch to the last position. Rotate the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will be off at this time. The setting of this position is finished.
6. Press BIND for one second to save the setting and exit the end point setting mode. The buzzer will give a long beep, and the G.LED will be solid on. The end points setting of CH6 is finished.
Note: The end point values of at least two positions should be set.

Other Channels End Point Adjustment
Adjust the end points of the other channels.
Setup:
1. Refer to previous content, to put the transmitter into the end point setting mode.
2. Operate the control corresponding to the channel which you want to set.
3. Rotate the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will prompt with beeping once cyclically.
4. Rotate the steering wheel to the appropriate travel point and hold it. Press BIND. The buzzer will be off at this time.
5. Press BIND for one second to save the setting and exit the end point setting mode. The buzzer will give a long beep. and the G.LED will be solid on. The end points setting of this channel is finished.

Notes:
1.If there is no response from the transmitter when a control is operated during the setup process, it means that the setup fails. In this case, you need to set it again.
2.Except the steering channel and throttle channel, you can operate the corresponding control to trigger the end points settings of other channels after completing the settings of one channel. For example, in the end points setting of CH3, you can press the CH4 button after the buzzer is turned off. At this time, the buzzer prompts with beeping twice cyclically. You can continue the end points setting of CH4. If you want to set the end points of the steering channel or throttle channel after setting other channels, the transmitter needs to re-enter the end point setting mode.
3. Throttle channel will maintain normal output during the end point setting of other channels.

该功能用于设置所有通道行程量的调整。
默认设置方向通道舵量。可通过操作其他通道所对应的控件触发此通道的舵量设置。

方向通道舵量调节
调节方向通道（控件为方向手轮）舵量。
功能设置：
1. 开机状态下，双击对码按键（BIND），使发射机进入舵量设置模式，此时 G.LED 指示灯为二闪一灭状态，蜂鸣器响 2 声循环提示；
2. 旋转手轮至合适的行程处并保持，短按对码按键 (BIND），蜂鸣器变为响 1 声循环提示；
3. 以手轮中位点为基准，反向旋转手轮至合适的行程处并保持，短按对码按键 (BIND），此时蜂鸣器关闭；
4. 长按对码按键（BIND）一秒保存设置并退出舵量设置模式，此时蜂鸣器长响一声提示，G.LED 指示灯变为常亮，方向通道舵量设置完成。

通道 6 舵量调节
调节通道 6（控件为 CH6 三档拨动开关）舵量。
功能设置：
1. 开机状态下，双击 BIND 键，使发射机进入舵量设置模式，此时 G.LED 指示灯为二闪一灭状态，蜂鸣器响 2 声循环提示；
2. 将 CH6 三档拨动开关拨至一处档位，蜂鸣器变为响 3 声循环提示；
3. 旋转方向手轮至合适的行程处并保持，短按对码按键 (BIND），蜂鸣器变为响 2 声循环提示，此档位位置舵量设置完成；
4. 将 CH6 三档拨动开关拨至另一档位，旋转方向手轮至合适的行程处并保持，短按对码按键 (BIND），蜂鸣器变为响 1声循环提示，此档位位置舵量设置完成；
5. 将 CH6 三档拨动开关拨至最后一个档位，旋转方向手轮至合适的行程处并保持，短按对码按键 (BIND），此时蜂鸣器关闭，此档位位置舵量设置完成；
6. 长按对码按键（BIND）一秒保存设置并退出舵量设置模式，此时蜂鸣器长响一声提示，G.LED 指示灯变为常亮。CH6通道舵量设置完成。
注：舵量设置过程中至少要设置两个档位舵量数值。

其他通道舵量调节
调节其他通道行程量。
功能设置：
1. 参考前面描述，使发射机进入舵量设置模式；
2. 操作要设置的通道所对应的控件；
3. 旋转手轮至合适的行程处并保持，短按对码按键 (BIND），蜂鸣器变为响 1 声循环提示；
4. 再一次旋转手轮至合适的行程处并保持，然后短按对码按键 (BIND），此时蜂鸣器关闭；
5. 长按对码按键（BIND）一秒保存设置并退出舵量设置模式，此时蜂鸣器长响一声提示，G.LED 指示灯变为常亮。此通道舵量设置完成。

注:

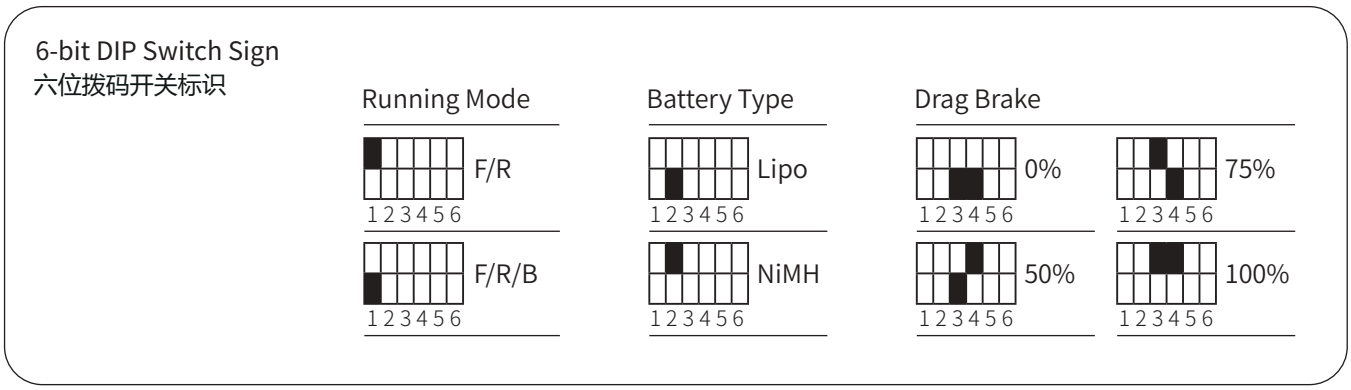
1. 若设置过程中操作控件时发射机无响应则表示设置失败， 请按功能设置重新设置。

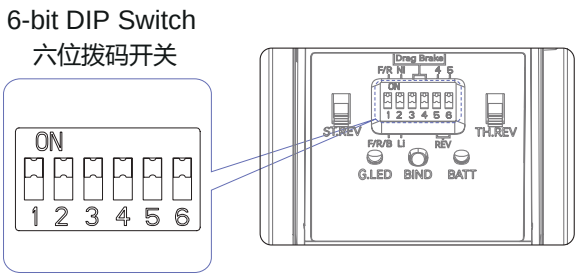
2. 除方向通道和油门通道外，其他通道可在设置完上一通道舵量后，操作相应的控件触发其它通道的舵量设置。如当设置 CH3 通道舵量，在蜂鸣器关闭后，可按下 CH4 按键，此时蜂鸣器变为响 2 声循环提示，即可继续设置 CH4 通道舵量。

若设置完其他通道后再设置方向通道或油门通道舵量，则须使发射机重新进入舵量设置模式后方可设置。

3.在非油门通道舵量设置过程中，油门通道将保持正常输出。

ESC Parameters Setting 电调参数设置





The ESC parameters can be set by the 6-bit DIP Switch of the transmitter, that is, the DIP switch is located at different positions and the corresponding parameter values are different. There are three parameters can be set for the ESC, which are "Running Mode", "Battery Type" and "Drag Brake".

Running Mode

Forward/Reverse/Brake(F/B/R): This mode adopts "double click" reverse mode, that is, when the throttle trigger is pushed from neutral range to the reverse area for the first time, the motor is only braking and will not reverse; when the throttle trigger is moved back to the neutral range and pushed to the reverse area for the second time, it will reverse. This mode is applicable to general models.

Forward/Reverse(F/R): This mode adopts "one click" reverse mode, that is, when the throttle trigger is pushed from neutral range to the reverse area, the motor immediately generates reverse action, which is generally applied to rock crawler.The switch marked 1 of the 6-bit DIP switch is used to set the ESC running mode. The switch on the upper positionindicates that the running mode is Forward/Reverse; and the switch on the lower position indicates that the running mode is Forward/Reverse/Brake.

Setup:

Toggle the switch 1 to the upper position, the buzzer will have one beep. Toggle the switch to the lower position, the buzzer will have two beeps.

Battery Type

There are LiPo and NiMH cells. It can be set according to the actual use.

The switch 2 of the 6-bit DIP switch is used to set the battery type. The switch on the upper side indicates that the battery type is NiMH cells; and the switch on the lower side indicates that the battery type is LiPo.

System Functions 系统功能

Setup:
Toggle the switch 2 to the upper position, the buzzer will have one beep. Toggle the switch to the lower position, the buzzer will have two beeps.
Drag Brake
The drag brake means that when the throttle trigger moves from the forward or reverse area to neutral range, it will produce certain braking force to the motor, the larger the value is, the greater the drag brake force is. And this is applicable to decelerate into a turn and model crawler applications. Select proper braking force according to the actual situation.
The switches 3 and 4 of the 6-bit DIP switch are used to set the ESC drag brake force. The drag brake force can be set to 0%, 50%, 75% or 100%.

Setup:
• Toggle both the switch 3 and 4 to the lower position, then the drag brake force is set to 0%.
• Toggle the switch 3 to the lower position and switch 4 to the upper position, then the drag brake force is set to 50%.
• Toggle the switch 3 to the upper position and switch 4 to the lower position, then the drag brake force is set to 75%.
• Toggle both the switch 3 and 4 to the upper position, then the drag brake force is set to 100%.

通过发射机的拨码开关设置电调参数，即拨码开关位于不同位置对应参数值不同。有三个参数项可以设置，分别是“运行模式”、“电池类型”、“拖刹力度”。

运行模式

正转 / 反转 / 刹车： 此模式采用的是“双击式倒车”，即油门扳机在第一次从中点区域推至反向区域时，电机只是刹车，不会产生倒车动作；当油门扳机回到中点区域并第二次推至反向区域时，则产生倒车动作。此模式适用于一般车型。
正转 / 反转：此模式采用“单击式”倒车方式，即油门扳机从中点区域推至反向区域时，电机立即产生倒车动作，该模式一般用于攀爬车等特种车辆。
六位拨码开关第 1 位开关用于设置电调运转模式，开关在上端，表示电机运行模式为正转 / 反转；开关在下端，表示电机运行模式为正转 / 反转 / 刹车。
功能设置：
将拨码开关 1 拨至下端，蜂鸣器响两声提示；将拨码开关 1 拨至上端，蜂鸣器响一声提示。

电池类型

有锂电和镍氢两种选择，根据实际使用情况设置即可。六位拨码开关第 2 位开关用于设置电调电池类型，开关在上端，表示电池类型为镍氢；开关在下端，表示电池类型为锂电。
功能设置：
将拨码开关 2 拨至下端，蜂鸣器响两声提示；将拨码开关 2 拨至上端，蜂鸣器响一声提示。

拖刹力度

拖刹是指当油门扳机从正向区域或反向区域转入中点区域内时，对电机产生一定的刹车力，这样可以模拟有刷电机的碳刷对电机转子的阻力，适合减速入弯及攀爬车应用。根据实际情况，选择合适的拖刹力度即可。
六位拨码开关第 3 位和 4 位开关用于设置电调拖刹力度。拖刹力度可设置为 0%、50%、75% 或 100%。
功能设置：
• 将拨码开关 3 和拨码开关 4 拨至下端，拖刹力度即设置为 0%；
• 将拨码开关 3 拨至下端，拨码开关 4 拨至上端，拖刹力度即设置为 50%；
• 将拨码开关 3 拨至上端，拨码开关 4 拨至下端，拖刹力度即设置为 75%；
• 将拨码开关 3 和拨码开关 4 拨至上端，拖刹力度即设置为 100%。

System Functions 系统功能

Failsafe 失控保护

The failsafe function is used to protect the model and personnel when the receiver is out-of-control.
The failsafe of CH2 is enabled by default, and the ESC will enter the braking status after out-of-control. The other channels of the receiver (CH1, CH2, CH4 and CH6) are not set by default, and will keep the last output after out-of-control. If other channels have been set on the transmitter side, they will be output according to the set value; at the same time, the turn signal right Light and turn signal left light will flash slowly and synchronously.
For the other channels, it can be set at the transmitter side. The setting steps are as below.

- In the normal power-on status, set the control corresponding to the channel to be configured with failsafe to the preset position, meanwhile, press and hold the BIND button for 3 seconds to set the output value as the failsafe value. And the buzzer will give a long beep indicating that the setting is successful.

Note: Restore to the default setting in case of re-binding.

此功能用于当接收机无法正常收到发射机的信号不受控制时，保护模型和操作人员的安全。
CH2 失控保护默认开启，失控后电调进入刹车状态。接收机其他通道（CH1、CH2、CH4 和 CH6 通道）默认未设置，失控后保持最后输出。若其他通道已在发射机端设置，则按照设置值输出；同时左、右车灯同步慢闪提示。
可在发射机端设置其他通道相应的失控保护值，设置步骤如下：
- 开机正常状态下，先操作需要设置失控保护的通道所对应的控件至预设的位置，再长按对码按键（BIND） 3 秒，即将当下输出的通道值设置为该通道失控保护值。设置成功时，蜂鸣器长响一声提示。

注：重新对码时恢复默认设置。

Idle Alarm 闲置报警

The transmitter will go into idle alarm state when there is no operation over 10 minutes.
When the transmitter is in idle alarm state, the G.LED will be in gradual light state, and the buzzer will prompt with beeping twice cyclically. Operate steering wheel or throttle trigger to cancel the idle alarm.

当发射机未操作时间大于 10 分钟时，即进入闲置报警状态。
在此状态下，发射机 G.LED 指示灯为呼吸灯状态且蜂鸣器响 3 声循环提示。闲置报警状态下，操作发射机的手轮或扳机可退出闲置报警状态。

Sleep Mode 休眠模式

When the transmitter has been in idle alarm state over 2 minutes, it will enter the sleep mode.
In this mode, the G.LED will be in gradual light status, other indicators will be off, and the buzzer and RF will turn off.
To exit the sleep mode, power off the transmitter and restart it.
当发射机处于闲置报警状态时间大于 2 分钟时，即进入休眠模式。
在此模式下，发射机 G.LED 指示灯为呼吸灯状态提示，其他指示灯灭，蜂鸣器关闭，RF 关闭。
须重启发射机才可退出休眠模式。

Transmitter Voltage Alarm 发射机电压报警

When the system detects a low voltage, it will give an alarm. Avoid accidents caused by long-term operation under low voltage.
When the voltage is detected below 4.2V/7.0V (AA battery/LiPo battery), there is an alarm due to low voltage. At this time, the G.LED will flash slowly, and the buzzer prompts with beeping once cyclically.
When the voltage is detected below 3.5V (ultra-low), the transmitting function is disabled. The G.LED will be in gradual light state.
当系统检测到低电压时，即发出报警。避免控制系统在低电压状态下长时间运行造成意外。
当检测到电压低于 4.2V/7.0V（AA 电池 /LiPo 电池），即进入低电报警状态，此时 G.LED 指示灯慢闪状态，蜂鸣器响 1声循环提示。
当检测到电压超低时（低于 3.5V 时），发射功能关闭，G.LED 指示灯为呼吸灯状态提示。

System Functions 系统功能

Data Reset 数据复位

This function is used to restore the end point value set to the default value.
Setup:
To restore to the default value, press the BIND and CH4 buttons of the transmitter at the same time, and power the transmitter on. At this time, the buzzer will give a long beep.
Note: This function is only applicable to resetting the end point value set to the default value.

此功能用于将设置的舵量数值恢复为默认值。

功能设置：

同时按住对码按键（BIND）和 CH4 按键后，并通电开机，即恢复成默认值，蜂鸣器长响一声提示。

注：此功能仅适用于复位舵量至默认值。

Function Instructions 功能说明

Attention 注意事项

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Please carefully check each power device and car frame instructions to ensure the power matching is reasonable before use. Avoid damaging power system due to incorrect matching.
- Do not let the external temperature of the system exceed 90℃ /194 ℉ , because high temperature will damage the power system.
- Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.
- After use, remember to disconnect the battery and the ESC. If the battery isn't disconnected, the ESC will consume electric energy all the time even if it is off. It will discharge completely if connect the battery for a long time, thus resulting in the failure of the battery or the ESC. We are not responsible for any damage caused by this!
- Make sure the receiver is mounted away from motors or any device that emits excessive electrical noise.
- Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal.
- Do not power on the receiver during the setup process to prevent loss of control.
- If the throttle trim is changed on the transmitter side, the receiver needs to be re-powered to recognize the new throttle neutral. Otherwise, an exception may occur during RC car reversing.

- 使用前必须确保本产品与模型安装正确，否则可能导致模型发生严重损坏。
- 请查看各动力设备以及车架说明书，确保动力搭配合理，避免因错误的搭配导致动力系统损坏。
- 勿使系统的外部温度超过 90℃ /194 ℉，高温将会毁坏动力系统。
- 关闭时，请务必先关闭接收机电源，然后关闭发射机。如果关闭发射机电源时接收机仍然在工作，将导致遥控设备失控。失控保护设置不合理可能引起事故。
- 使用完毕后，若长时间不玩车，切记断开电池与电调的连接。如电池未断开，即使电调开关处于关闭状态，电调也会一直消耗电能（只是非常小），长时间连接电池最终会被过放，进而导致电池或电调出现故障。我们不对因此而造成的任何损害负责！
- 确保接收机安装在远离电机或电子噪声过多的区域。
- 接收机天线需远离导电材料，例如金属棒和碳物质。为了避免影响正常工作，请确保接收机天线和导电材料之间至少有 1 厘米以上的距离。
- 准备过程中，请勿连接接收机电源，避免造成不必要的损失。
- 若在发射机端调整油门通道微调后，接收机须重新通电以识别新的油门通道中位，否则可能会出现倒车异常的现象。

Function Instructions 功能说明

Protect Function 保护功能

This receiver has low and high voltage protection function.
Low Voltage Protection: When the voltage is detected to be low, CH2 will not output and all the LED lights will flash slowly for prompt.
High Voltage Protection: When the voltage is detected to be high, all channels will not output. All the LED lights will flash fast for prompt.
The receiver ESC has overheating protection function.
Overheating Protection: When the internal temperature of the ESC is detected to be too high, CH2 will not output and all the LED lights will flash fast for prompt. When the temperature is normal, the channel will resume output.
The receiver can return the battery voltage (high, medium, low, ultra-low) back to the transmitter side.
The transmitter can indicate the battery power status of the receiver after receiving the information returned by the receiver.

本接收机具有电池电压过低和过高保护功能。

电压过低保护：当检测到电池电压过低时，CH2 通道无输出，所有车灯慢闪提示。

电压过高保护：当电池电压过高时，所有通道无输出，所有车灯快闪提示。

本接收机电调具有过热保护功能。

过热保护：当检测到电调内部温度过高时，CH2 通道无输出，所有车灯快闪提示；当温度正常后，通道恢复输出。

可将电池电压（高、中、低、过低）回传到发射机端。

用于发射机端指示接收机电池电量状态。

LED Lights Control 车灯控制方式

This receiver features 6 sets of LED lights: Turn signal left light, turn signal right light, daytime running light, headlight, brake light and reverse light. And these 6 sets of LED lights are connected to this receiver through the FS-FMS-DB01 car light driver board.
The status of all the LED lights is controlled by the corresponding controls of the FS-FMS-MG6-BS transmitter. The turn signal left light and turn signal right light are controlled by steering wheel. The daytime running lights and head-lights are controlled by CH5 knob. The brake and reverse lights are controlled by throttle trigger. Details are as follows:

本接收机支持 6 组车灯：左转灯、右转灯、日行灯、前大灯、刹车灯和倒车灯（此 6 组车灯通过 FS-FMS-DB01 车灯驱动板与本接收机建立连接）。

车灯状态由 FS-FMS-MG6-BS 发射机的相应控件控制。左、右转向灯亮灭状态由手轮控制；日行灯和前大灯亮灭状态由CH5 旋钮控制；刹车灯和倒车灯亮灭状态由扳机控制。具体有如下所述：

Notes:
1. After the receiver is turned on, all the lights will be on for one second and then go out.
2. The steering CH1 channel and throttle CH2 channel are capable of automatic neutral identifying, after the trim is adjusted, the receiver should be powered again to recognize the neutral positions of these two channels automatically.
3. If you have set the steering channel in reverse, the trigger condition for turn signal left light and turn signal right light will not be affected. And if you have set the CH5 channel in reverse, the trigger condition for daytime running lights and headlights will not be affected.

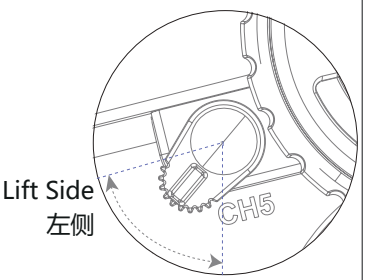
注：

1. 接收机开机后，所有车灯常亮一秒后灭；

2. 方向通道 CH1 和油门通道 CH2 具有自动识别中位的功能，当调过微调后，需重新给接收机上电以完成中位自动识别；

3. 方向通道设置反向后对左、右转向灯控制无影响。CH5 通道设置反向后对日行灯和前大灯控制无影响。

Receiver Introduction 接收机介绍

<table>
<tr><th>Car Lights
车灯</th><th>Car Light State
车灯状态</th><th>Control State
控制状态</th><th>Control
控件</th><th>Trigger Condition
触发条件</th><th>Notes
备注</th></tr>
<tr><td>Left Turn Signal Light
左转灯</td><td>Slow Flash
慢闪</td><td>Turn Left
左转</td><td>Steering Wheel
手轮</td><td>Turn the sterring wheel counter clockwise.
逆时针打手轮</td><td rowspan="2">/</td></tr>
<tr><td>Right Turn Signal Light
右转灯</td><td>Slow Flash
慢闪</td><td>Turn Right
右转</td><td>Steering Wheel
手轮</td><td>Turn the sterring wheel clockwise.
顺时针打手轮</td></tr>
<tr><td rowspan="3">Daytime Running Light
日行灯</td><td>OFF
常灭</td><td rowspan="3">/</td><td rowspan="3">CH5 Knob
CH5 旋钮</td><td>CH5 Knob is located at the left side.
CH5 旋钮位于左侧</td><td rowspan="4"> 
</td></tr>
<tr><td>Solid ON
常亮</td><td>CH5 Knob is located in the middle.
CH5 旋钮位于中间</td></tr>
<tr><td>Solid ON
常亮</td><td>CH5 Knob is located at the right side
CH5 旋钮位于右侧</td></tr>
<tr><td rowspan="3">Headlight
前大灯</td><td>OFF
常灭</td><td rowspan="3">/</td><td rowspan="3">CH5 Knob
CH5 旋钮</td><td rowspan="3">Same as the DRL above
触发条件同日行灯</td></tr>
<tr><td>OFF
常灭</td></tr>
<tr><td>Solid ON
常亮</td></tr>
<tr><td>Brake Light
刹车灯</td><td>Solid ON
常亮</td><td>Brake
刹车</td><td>Trigger
扳机</td><td>Push the throttle trigger forward.
前推扳机</td><td>When the running mode of ESC is set toForward/Reverse mode (no brake), the Brake-Light will not on when pushing the throttletrigger forward.
当电调运行模式设置为正转 / 反转模式时（无刹车），前推扳机刹车灯不亮。</td></tr>
<tr><td>Reverse Lights
倒车灯</td><td>Solid ON
常亮</td><td>Back up
倒车</td><td>Trigger
扳机</td><td>Push the throttle trigger forward.
前推扳机</td><td>/</td></tr>
</table>

Idle Alarm 闲置报警

When the receiver does not receive a signal from the transmitter for more than 10 minutes or the received channel data is not changed, the receiver will enter the idle alarm status.
In the idle alarm status, the motor will continue to beep quickly.
Restart the receiver to exit the idle alarm status.

当接收机超过 10 分钟未收到来自发射机的信号或收到的通道值未变化时，接收机即进入闲置报警状态。

在此状态下，马达持续发出“滴”声提示。

重启接收机即可退出闲置报警状态。

Receiver Introduction 接收机介绍

ESC Function Instruction 电调功能说明

This receiver ESC function supports the settings of battery type, drag brake and running mode .
After the motor is connected, each time the receiver is turned on, the motor first prompts the connected battery type, and then prompts the throttle neutral position calibration information, namely automatically identifies the throttle neutral position.
When the connected battery type is LiPo, such as 2S LiPo, the motor will fast beep twice (3 beeps represent 3S LiPo); when the connected battery type is NiMH, the motor will fast beep once.
When the throttle neutral position is recognized, the motor will long beep once.
If the throttle neutral position is not recognized, the motor will continue to beep quickly. There is no power output from the motor at this time.
Notes:
1. The ESC function is available for running until the self-inspection is completed (it takes about 3 seconds). Otherwise, it may not be able to operate normally.
2. If you find that the motor steering is not correct during operation, you can set the throttle channel in reverse at the transmitter side.
3. Normally, you must power on the transmitter and then receiver, and power off the receiver and then transmitter.

本接收机电调功能支持在发射机端设置电池类型设置、拖刹力度设置和运行模式（正转 / 反转、正转 / 反转 / 刹车) 的设置。
马达连接后，接收机每次开机后，马达先提示连接的电池类型，再提示油门中位校准信息。即自动识别油门中位位置。
当连接的电池类型为锂电时，如使用 2S 锂电，则马达响两声（3 声代表 3S 锂电）提示；如使用镍氢电池，则马达响一声提示；
当油门中位识别通过后，马达长响一声提示。
若未识别油门中位，马达持续发出“滴滴滴”的报警声提示，此时马达无动力输出。
注：
1. 电调功能必须等到开机自检完成后方可运行（大约 3 秒），否则可能无法正常动作；
2. 若运行时发现电机转向不对，则可在发射机端将油门通道反向设置即可；
3. 为了一切正常，请养成先开发射机再接收机通电以及先接收机断电再关闭发射机的习惯。

Trouble Shooting 故障解决

Troubles 故障现象	Possible Causes 可能原因	Solutions 解决方法
The motor cannot start and the LED is not on after power-on. 上电后,指示灯不亮，电机无法启动。	1. No power was supplied to the ESC. 1.电调没有得到工作电压。	Check whether all ESC & battery joints or connections have been well soldered or firmly connected. 检查电池与电调有无连接问题以及相关插头是否有虚焊情况。
	2. The switch of receiver or the ESC itself is damaged. 2.接收机开关或电调损坏。	Return to factory for inspection and treatment. 返厂检测处理。
The motor cannot start and the motor will continue to beep quickly after power-on. 上电后,马达持续发出滴滴滴的报警声，电机无法启动。	The neutral of throttle channel of transmitter is shift or changed. 发射机油门通道的中点偏移或改变。	Adjust the throttle channel of the transmitter to match the existing neutral point. 调节发射机油门通道微调使之匹配电调现有中立点。
The RC car is going in the reversed direction. 发射机做前进操作，车子反而倒退。	1. It may cause by the connection sequence between output line of ESC and motor line. 1. 电调输出线和电机线的连接线序错误。	Exchange the position of two lines of motor. 将电机的两条线互换位置即可。
	2. The throttle direction of transmitter is wrongly set. 2. 发射机油门方向设置错误。	Set throttle direction of transmitter to the opposite direction. 将发射机油门通道的方向设置为相反方向。

Receiver Introduction 接收机介绍

Troubles 故障现象	Possible Causes 可能原因	Solutions 解决方法
The motor suddenly stops rotating during rotation. 电机转动过程中，突然停转。	1. The throttle signal is lost. 1. 油门信号丢失。	Check the transmitter and the receiver. 检查发射机和接收机。
	2. The ESC has been entered low/high voltage protection or overheat protection of battery. 2. 电调进入电池低压 / 高压保护或过热保护	The receiver LED will flash slowly and continuously. Please check the battery voltage and the temperature of the ESC. 接收机 LED 持续慢闪，请检查电池电压以及电调温度。
When the motor starts, it accelerates rapidly, and the motor is stuck or stops. 电机启动时急加速，电机有卡住或停顿的现象。	1. Battery discharge capacity is insufficient 1. 电池放电能力不够。	Replace battery with strong discharge capacity. 更换放电能力强的电池。
	2. The rotation speed of motor is too fast, the gear ratio is not reasonable. 2. 电机转速过高，齿轮比搭配不合适。	Replace low speed motor, or increase the reduction ratio. 更换低速电机，或将减速比提高。

Product Specifications 产品规格

Transmitter Specifications 发射机规格

Product Model	FS-FMS-MG6-BS	产品型号	FS-FMS-MG6-BS
Compatible Receivers	FS-FMS-R6D-ESC-BS	适配接收机	FS-FMS-R6D-ESC-BS
Compatible Models	RC Car	适配模型	攀爬车、平路、越野短卡和卡车
Number of Channels	6	通道个数	6
RF	2.4GHz ISM	无线频率	2.4GHz ISM
Maximum Power	<20dBm (e.i.r.p.) （EU）	发射功率	< 20dBm
RF Protocol	2A-BS	无线协议	2A-BS
Distance	More than or equal to 150m	遥控距离	不低于 150m（空旷无干扰地面距离）
Resolution	4096	通道分辨率	4096 级
Input Power	1.5AA*4 or 2S LiPo	输入电源	1.5AA*4 或 2S 锂电池
Charging Jack	None	低电压报警	AA 电池：<4.2V；LiPo 电池：<7.0V
Low Voltage Alarm	AA battery: <4.2V; LiPo battery: <7.0V	天线类型	内置单天线
Antenna	Single Built-in Antenna	充电接口	无（USB 接口仅做供电使用 ）
Data Connector	None	在线更新	无
Online Update	None	数据接口	无
Temperature Range	-10℃ ~ +60℃	温度范围	-10℃ ~ +60℃
Humidity Range	20% ~ 95%	湿度范围	20% ~ 95%
Color	Black	外观颜色	黑色
Dimensions	135.7*189.5*82.7mm	外形尺寸	135.7*189.5*82.7mm
Weight	217g	机身重量	217g
Certifications	CE, FCC ID： 2A2UNMG110O	认证	CE, FCC ID：2A2UNMG110O

Product Specifications 产品规格

Receiver Specifications 接收机规格

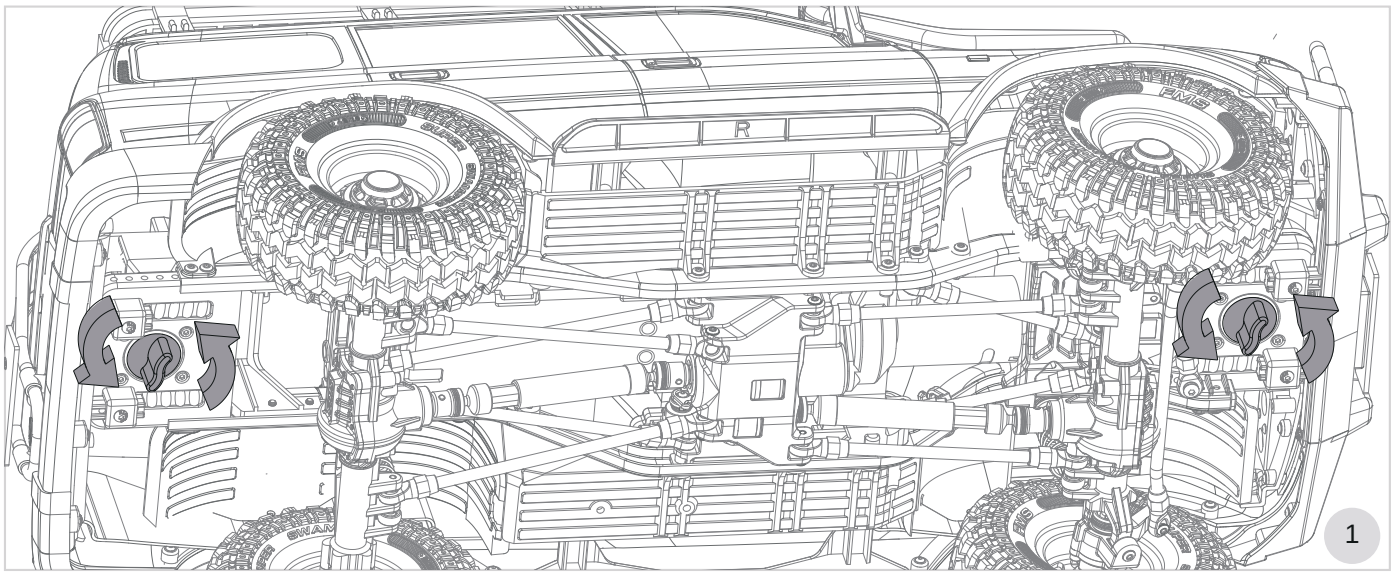
Product Model	FS-FMS-R6D-ESC-BS	产品型号	FS-FMS-R6D-ESC-BS
Compatible Transmitters	FS-FMS-MG6-BS	适配发射机	FS-FMS-MG6-BS
Compatible Models	RC Car	适配模型	攀爬车、平路、越野短卡和卡车
Number of Channels	6	通道个数	6
Number of LED Lights Connectors	6 (LED light connector connects to the FS-FMS-DB01 car light drive board.)	车灯组数	6（LED 车灯接口连接 FS-FMS-DB01 车灯驱动板）
RF	2.4GHz ISM	无线频率	2.4GHz ISM
Maximum Power	<20dBm (e.i.r.p.) （EU）	发射功率	< 20dBm
RF Protocol	2A-BS	无线协议	2A-BS
Distance	More than or equal to 150m	遥控距离	不低于 150m（空旷无干扰地面距离）
Resolution	4096	通道分辨率	4096 级
Operating Voltage	LiPo（2~3S)/NiMH(5~9Cell)	工作电压	LiPo（2~3S）/NiMH(5~9Cell)
BEC Output	6V/5A	BEC 输出	6V/5A
Continuous / Peak Current	60A/240A	持续 / 峰值电流	60A/240A
Motor Type	Brushed motor	支持电机类型	有刷电机
Applicable Motors	390, 370 and 550 Brushed motor	适配电机	370、390 和 550 有刷电机
Antenna	Single External Antenna(Coaxial)	天线类型	外置单天线（同轴天线）
Data Output	PWM	数据输出	PWM
Online Update	None	在线更新	无
Temperature Range	-10℃ ~ +60℃	温度范围	-10℃ ~ +60℃
Humidity Range	20% ~ 95%	湿度范围	20% ~ 95%
WaterProof	PPX7	防水等级	PPX7
Dimensions	44*30*16.7mm	外形尺寸	44*30*16.7mm
Weight	42.2g	机身重量	42.2g
Certifications	CE, FCC ID： 2A2UNR6D00	认证	CE, FCC ID： 2A2UNR6D00

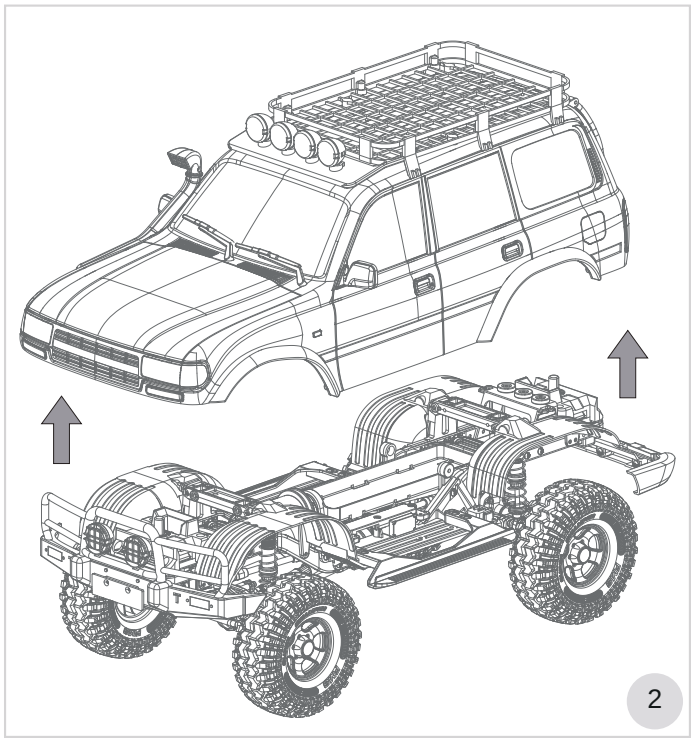
Battery Precautions 电池注意事项

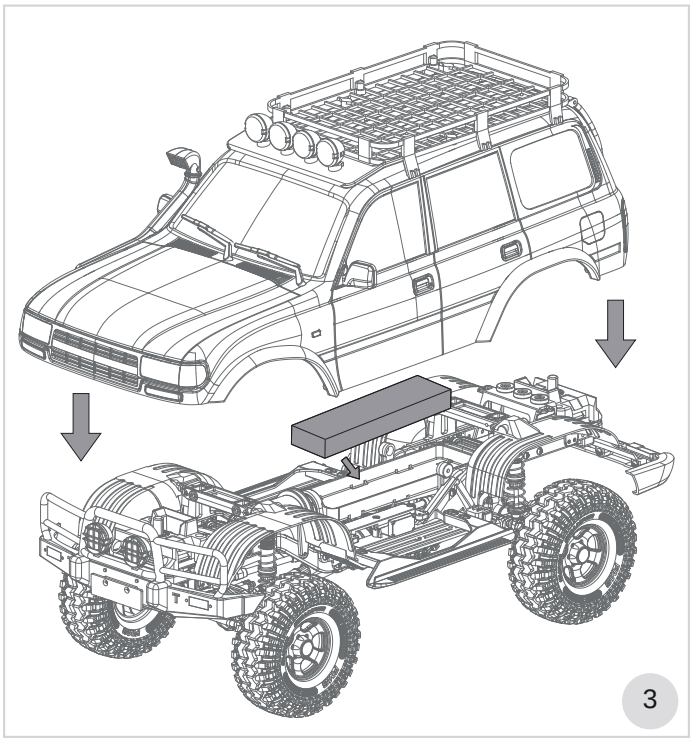
- Never charge a lithium polymer battery with a charger designed for NiCd, NiMH, or any other type of battery chemistry.
- Use ONLY charger designed for LiPo battery.
- Do not leave LiPo battery unattended during charging.
- Do not overcharge the battery.
- Always charge LiPo batteries on non-flammable, 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℃)

- 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℃）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. Gently push the front latches forward and the rear latches backward to separate the car shell from the chassis.
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 joints on the chassis, then push them in to reattach the car shell onto When there is a "click" sound from the front and rear shells, it means the car body is installed in place.

Battery compartment size：140*47*40mm

The battery plug :XT60 Male

Vehicle Setup 车辆设置

1. 将车头和车尾的扭扣旋转，以分离车壳与车底盘。
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旋转纽扣，以当前后车壳有“咔嚓”声音，表示车壳安装到位。

电池仓尺寸：140*47*40mm
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

C3687	Car boby assembly painted (gray)	车壳总成 灰色
C372	Ladder	爬梯
C3726	Wading throat	涉水喉
C3733	Wheel brow	轮眉
C3692	Clear car boby parts	透明车壳散件套装
C3693	Sport transmission gear box assembly	驱动牙箱总成
C3206	Transmission gear box housing	驱动牙箱壳胶件
C3207	Motor mount	电机码件
C3208	Slipper sheet	限滑片
C3694	Sport 550 high performance motor	550高效能电机
C3210	12T pinion gear	12T 电机齿
C3211	Gear set for transmission gear box	变速箱齿轮
C3213	Clutch engage switcher	离合器接合件
C3695	Sport front axle assembly	前桥总成
C3696	Sport rear axle assembly	后桥总成
C3722	Wheel assembly 1pair	车轮套装总成 一对
C3723	Tires 1.9' 1pair	车轮胎 1.9' 一对
C3724	Sport oil shock absorbers assembly 1pair	避震器总成一对
C3219	Transmission box shaft assembly	传动轴总成
C3220	Metal frame rail set	金属大梁
C3221	Shock absorbers tower set	避震架
C3697	Fornt girder mount set	前大梁连接件
C3698	Rear girder mount set	后大梁连接件
C3223	Battery box set	电池箱零件
C3224	Transmission box mount	变速箱码件

Spare Parts List 配件列表

C3700	Car boby mount set	车壳固定件
C3699	Chassis side plates	踏板
C3227	Front rod set	前拉杆散件
C3228	Rear rod set	后拉杆散件
C3230	Functional servo mount	功能舵机伺服码件
C3701	Sport universal driveshaft set front	前轮传动轴组
C3232	Front axle housing	前桥胶件
C3233	Rear axle housing	后桥胶件
C3234	Steering servo mount	转向舵机码件
C3235	Steering linkage and panhard bar	转向拉杆及扯推杆
C3703	C hub and cover set	C座及盖
C3706	Rear axle cover parts	后桥轴盖胶件
C3702	Sport rear wheel driveshaft 1pair	后轮轴一对
C3704	Sport front / rear axle gear set	前/后桥轴齿套装
C3240	Drive gear	驱动齿
C3242	17mm hex set with set screw pins	17mm 六内接合件及机米螺丝
C3244	Pivot balls	铝球头
C3245	Bushing set	套筒介子
C3246	Steering horn arm	转向舵机臂
C3247	25KG metal gear servo waterproof	25KG金属齿舵机
C3248	13G metal gear servo waterproof	13G金属齿舵机
C3249	13G servo saver set with horn arm	13G舵机护器及舵机臂
C3705	Front bumper set	前防撞
C3707	Rear bumper set	后防撞
C3252	Drag brake rod and gearshift rod	拖刹拉杆及换档拉杆
C3708	Windshield wiper	雨刷
C3709	Rearview mirror	后视镜
C3710	Door handle	门把
C3711	Lens	灯片
C3715	Exhaustion plate	面罩
C3266	Bearing set	轴承
C3267	Wire buckle	线扣
C3268	M4 screw nut	M4防滑螺母
C3712	Logo and license plate	徽标及车牌
C3732	Led wire set	灯线组
C3194	Coupler A	金属拖车钩 A
C3347	Coupler B	金属拖车钩 B
C3720	Front fender set	前挡泥板
C3721	Rear fender set	后挡泥板
C3376	Guard board for transmission gear box	变速箱护板
C3394	Transmission shaft assembly	金属传动轴
C3713	Decal sheet	贴纸
C3714	Cockpit set	吸塑驾舱

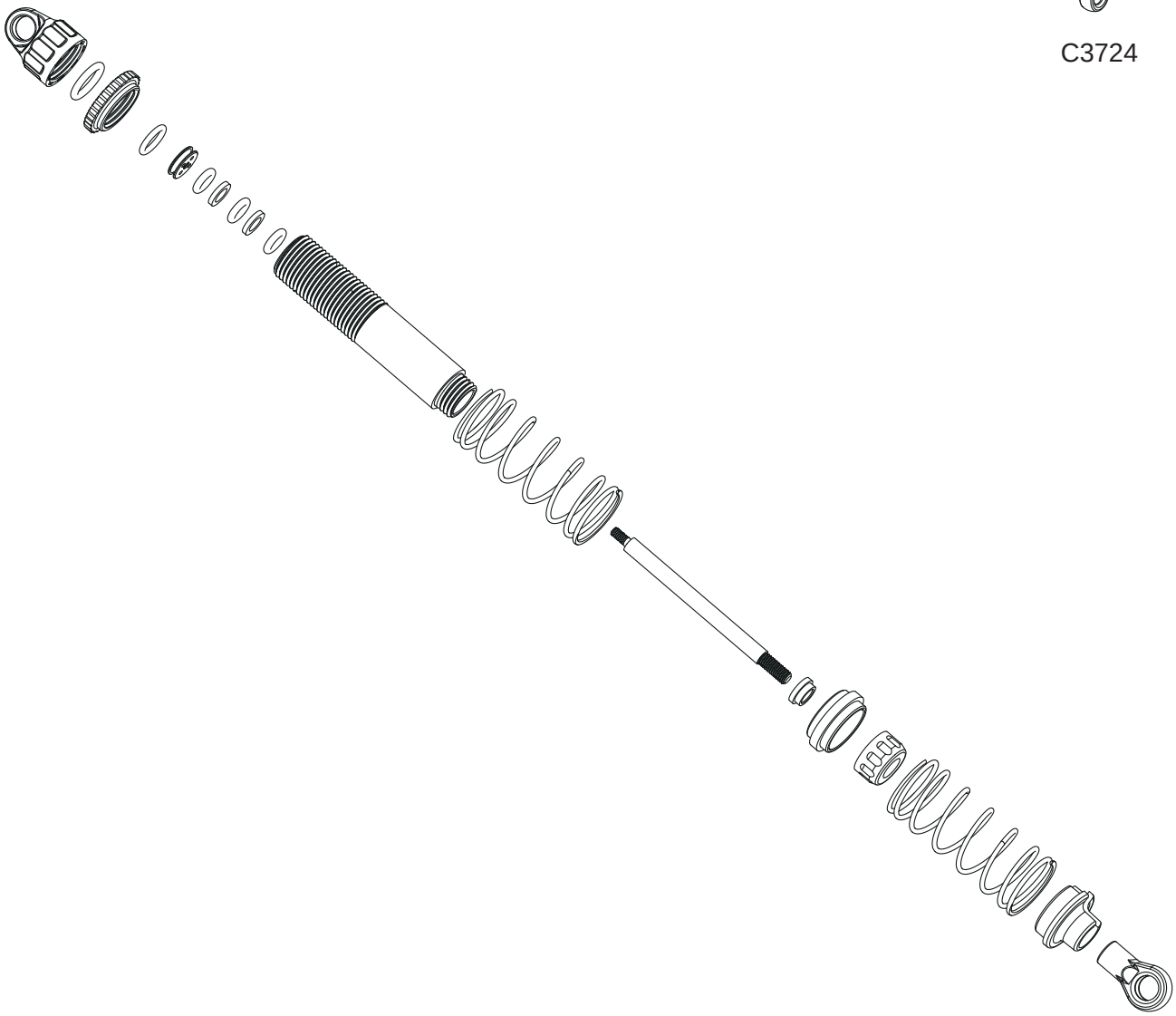
Spare Parts List 配件列表

C3716	Bumper bracket for bumper rhino style	前防撞犀牛款
C3717	MG6 + R6D-ESC transmitter receiver set	MG6 + R6D-ESC 发射器/电调接收器
C3718	MG6 transmitter	MG6 发射器
C3719	R6D-ESC-bs receiver	R6D-ESC-BS 电调接收器
C3212V2	Transmission gear shift V2 for rear driver function	变速箱轴 V2 (后驱功能)
C3729	Rooftop rack	行李架
C3730	Spotlight set	射灯件
C3731	Spotlight led wire set	射灯线组
C3750	Car boby painted (gray)	车壳预喷漆单品 灰色
C3340	Light control system	灯控
C3753	Light effect connect mount	灯线传导件
C3761	10T pinion gear	10T 电机齿
C3762	Gear set for transmission gear box	变速箱齿轮
C3763	45T spur gear m0.8	45T 大直齿 M0.8
C3764	47T spur gear m0.8	47T 大直齿 M0.8
C3768	Front rod set	前拉杆散件
C3769	Rear rod set	后拉杆散件

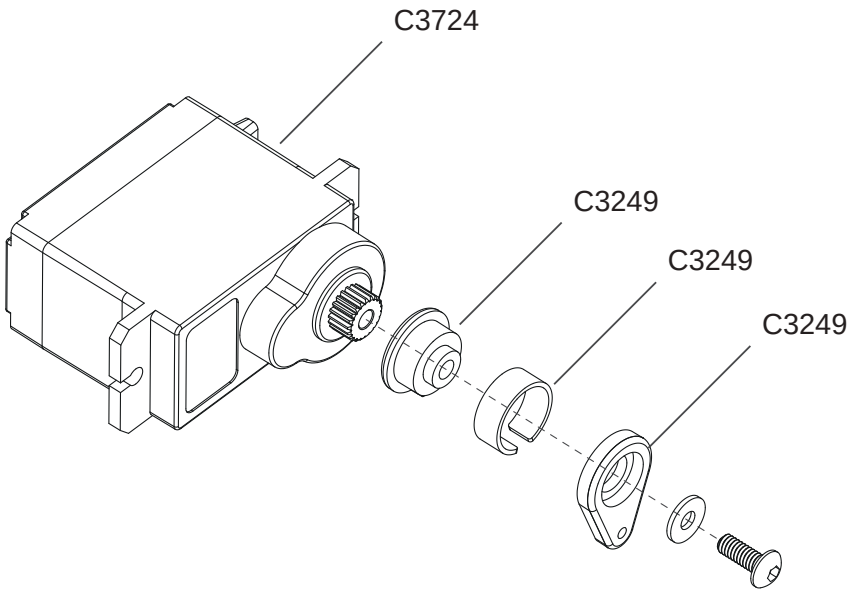
EN: Oil Shock Absorbers Assembly　　CN:油压避震



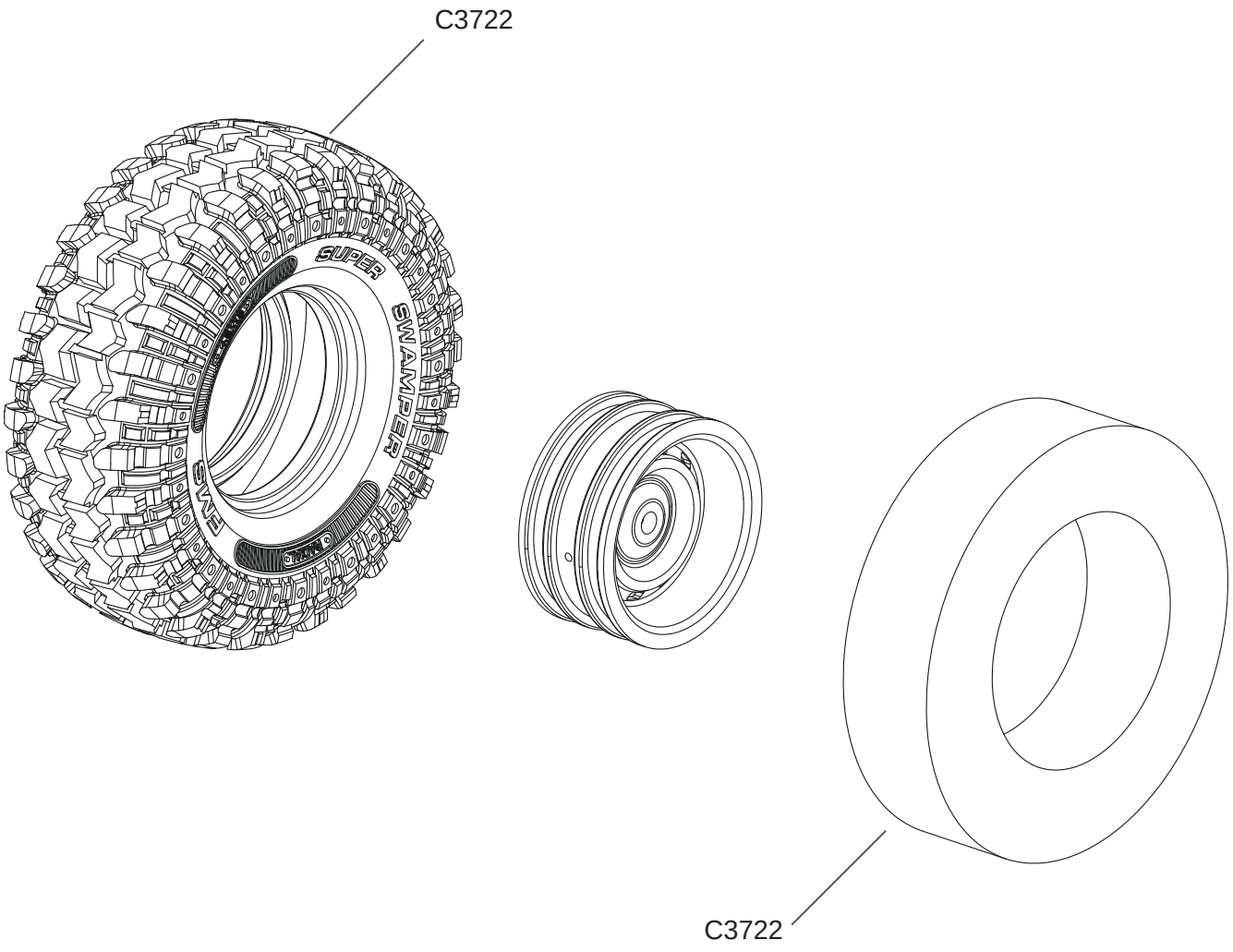
C3724



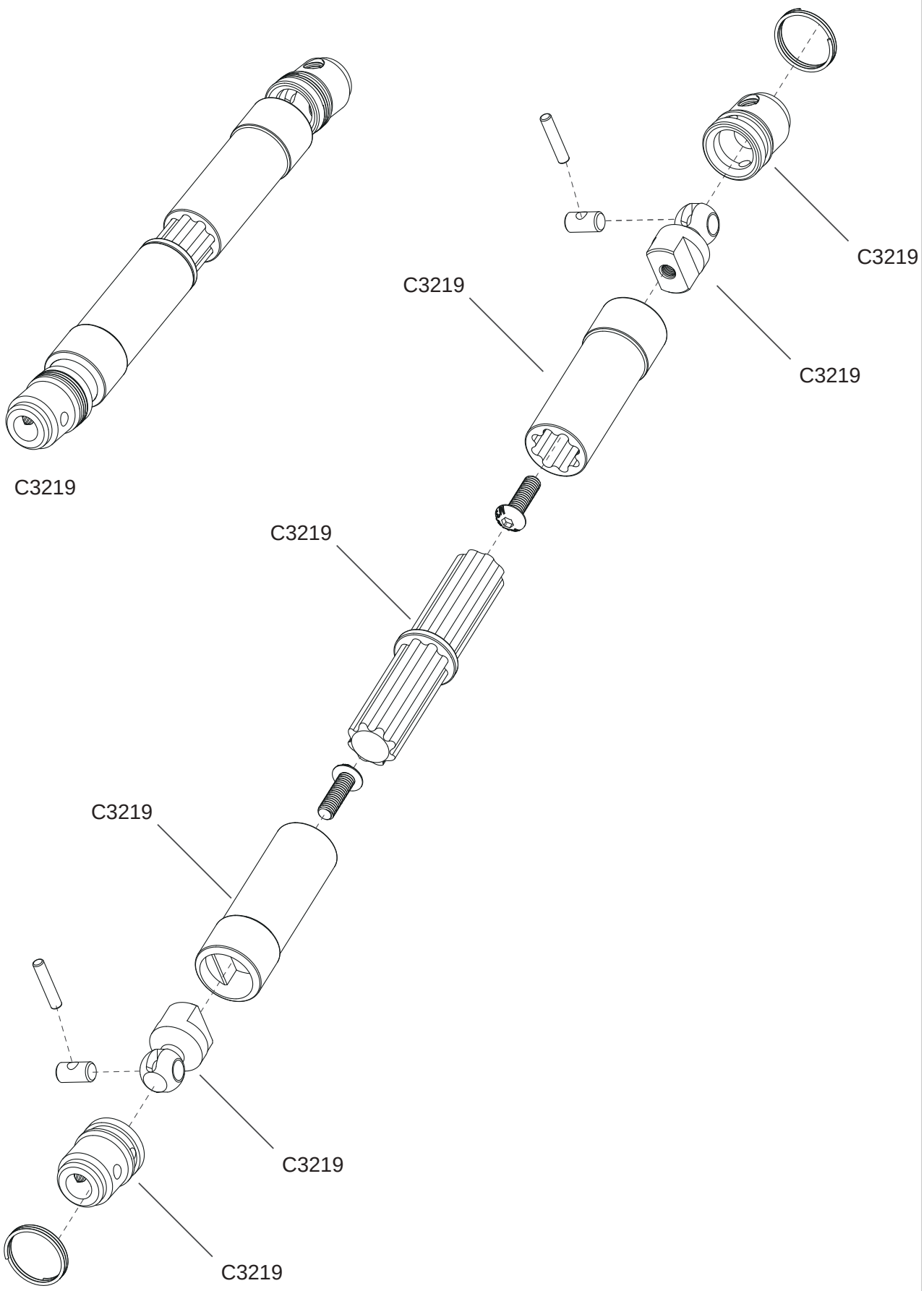
EN: Shift-gear Servo　　CN:换挡舵机



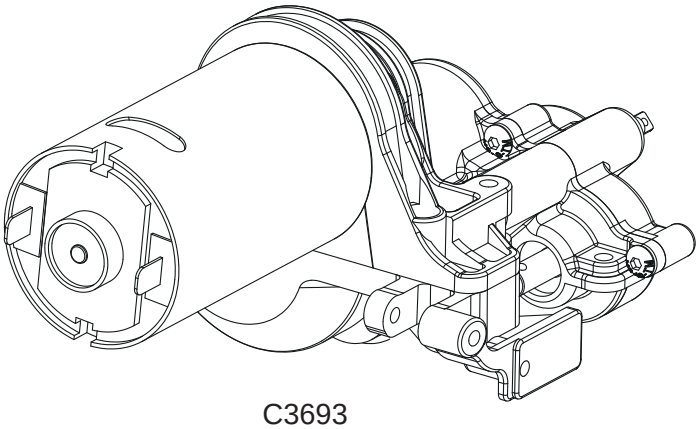
EN:Wheel Set　　CN:轮胎组



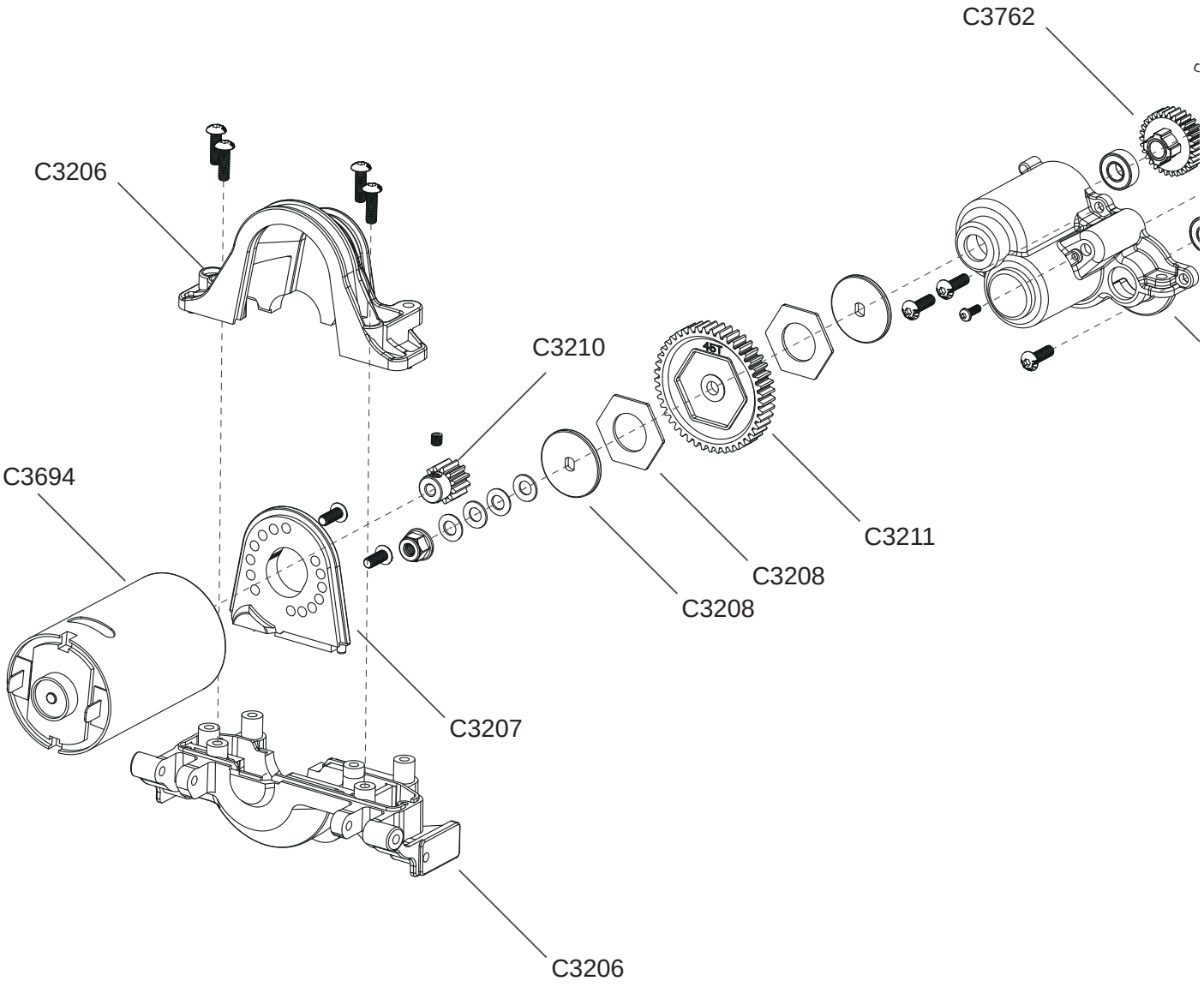
EN:Transmission Box Shaft Assembly CN:传动轴

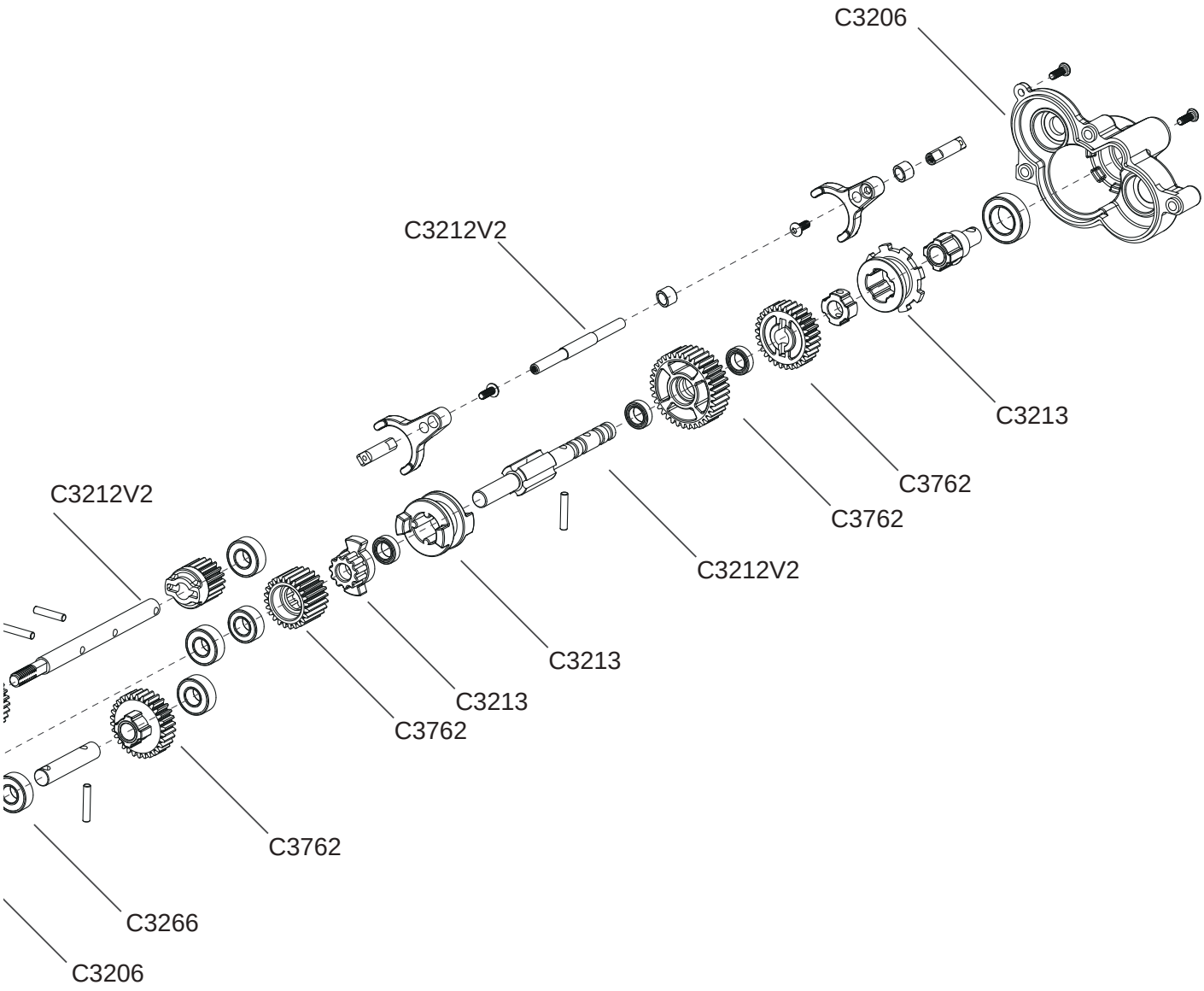


EN:Sport Transmission Gear Box Assembly　CN:中传动牙箱

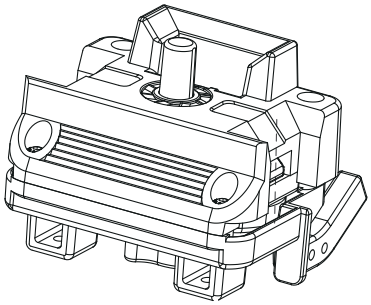


C3693

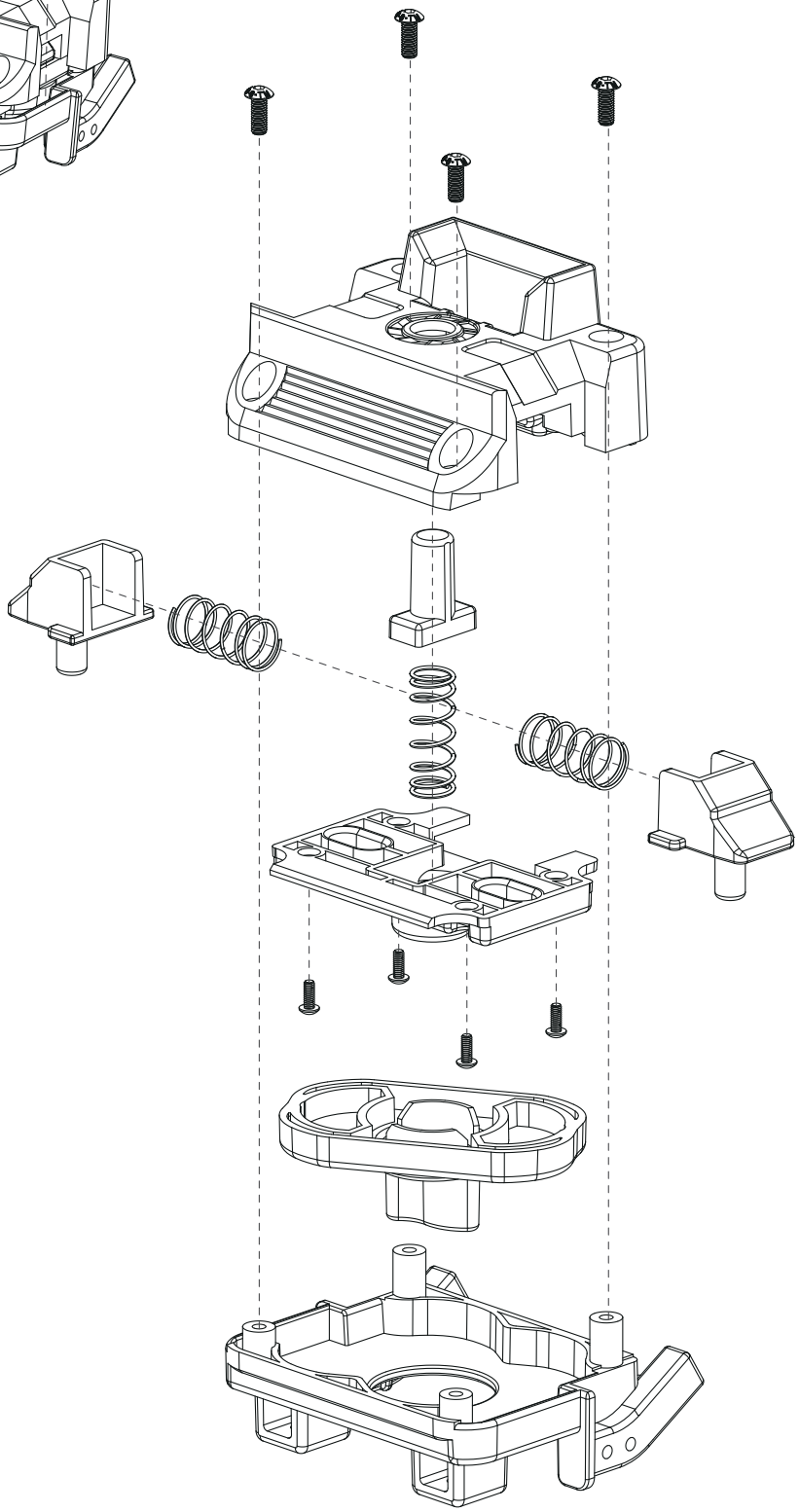



C3206
C3212V2
C3213
C3762
C3762
C3212V2
C3212V2
C3213
C3213
C3762
C3762
C3266
C3206

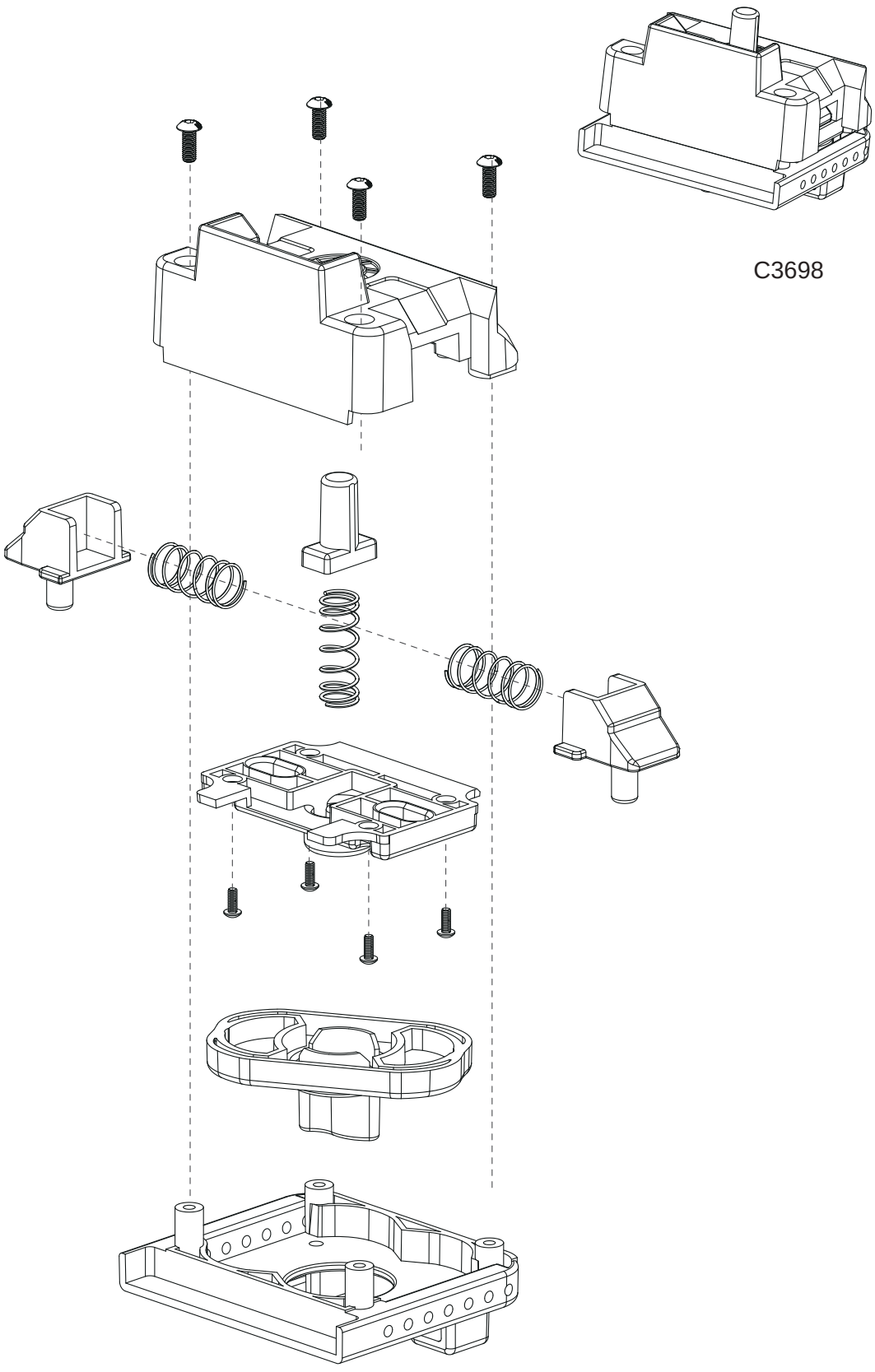
EN:Fornt Girder Mount Set　　CN:前大梁连接组



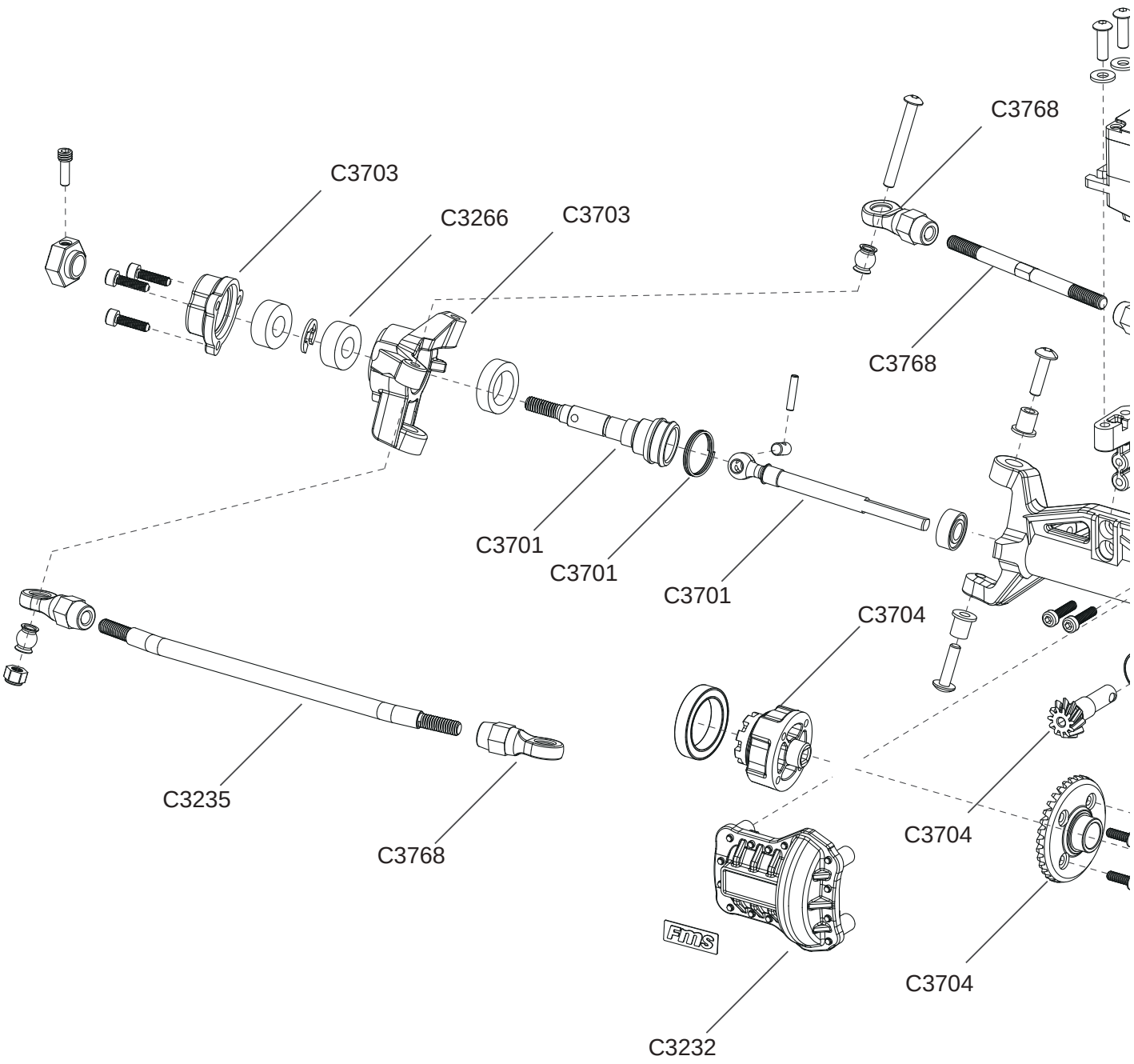
C3697

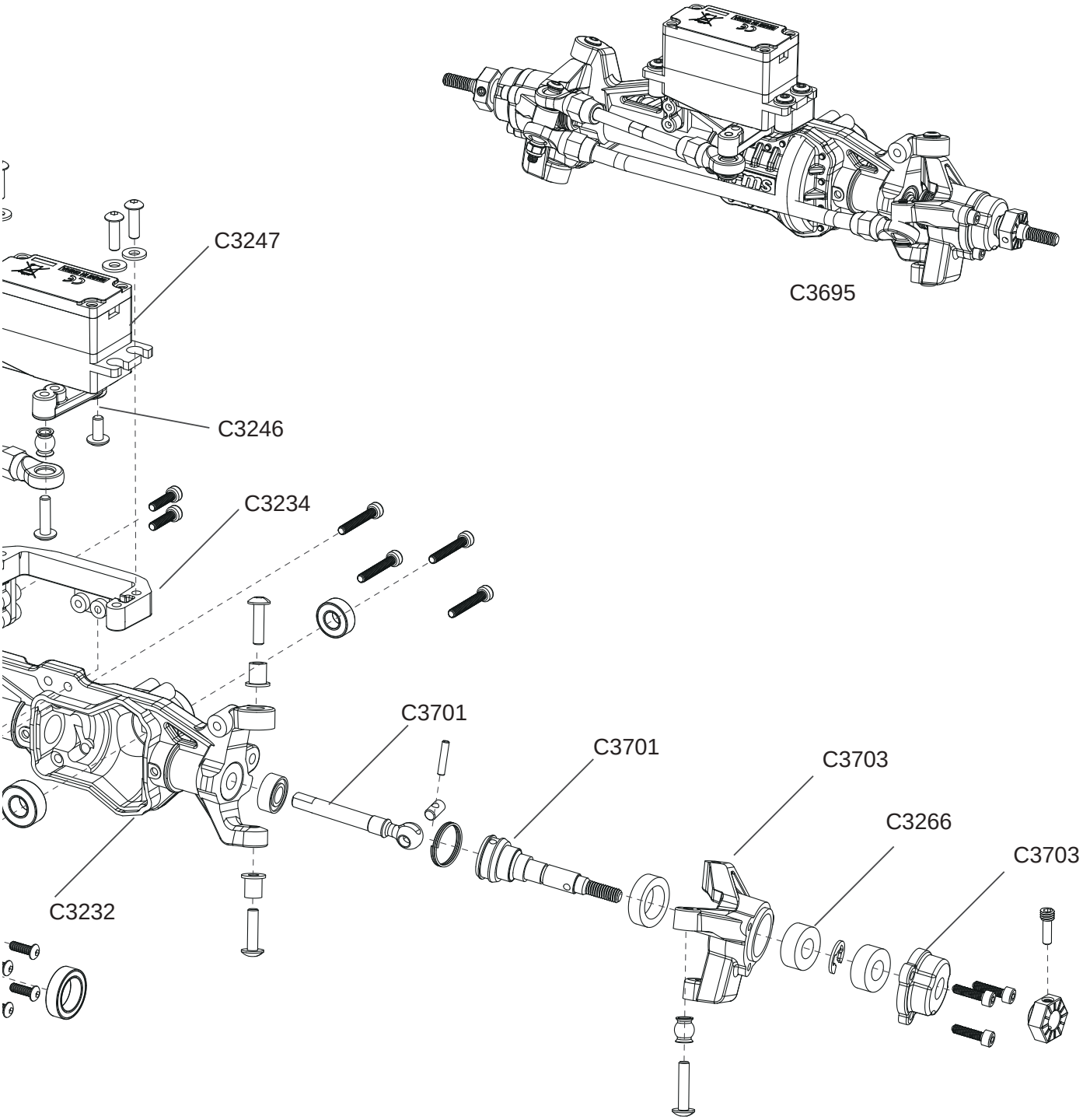


EN:Rear Girder Mount Set CN:后大梁连接组

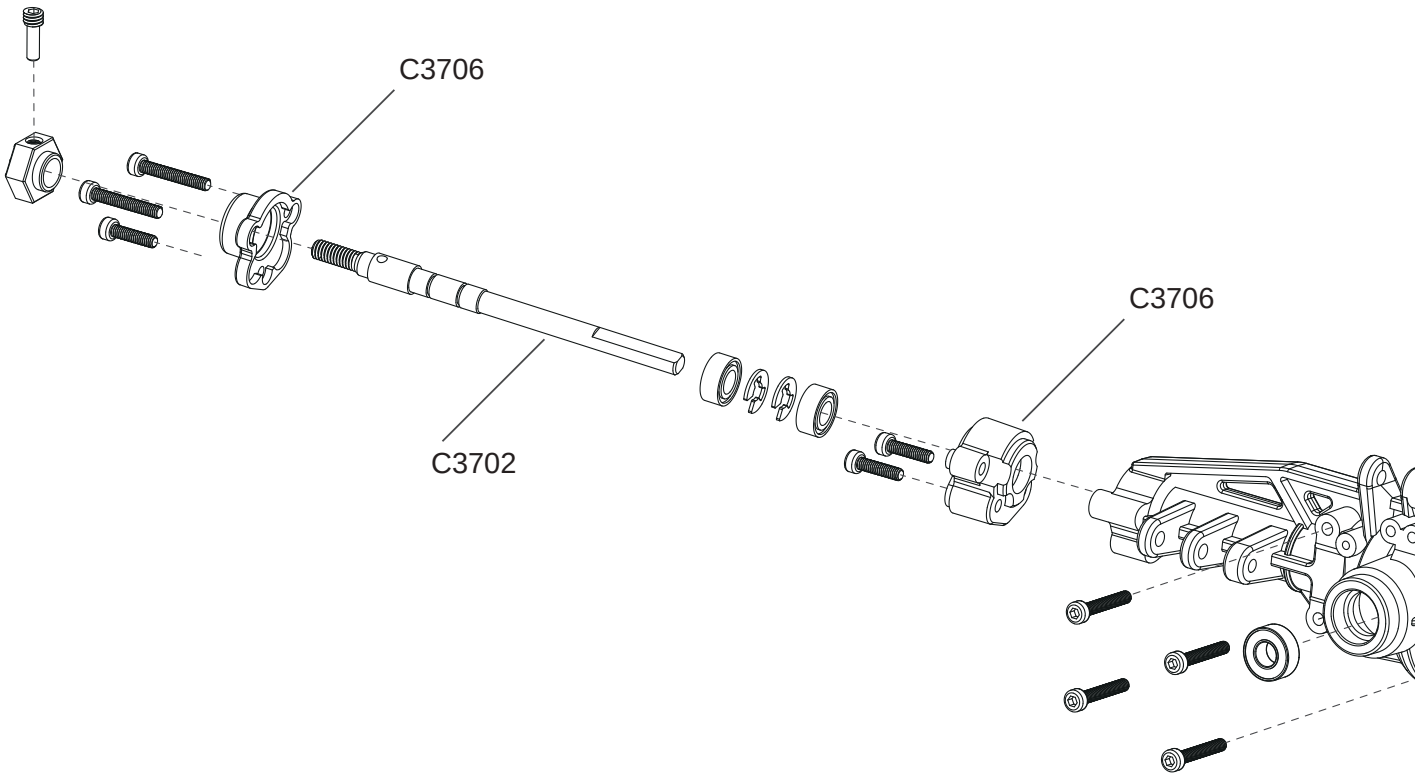


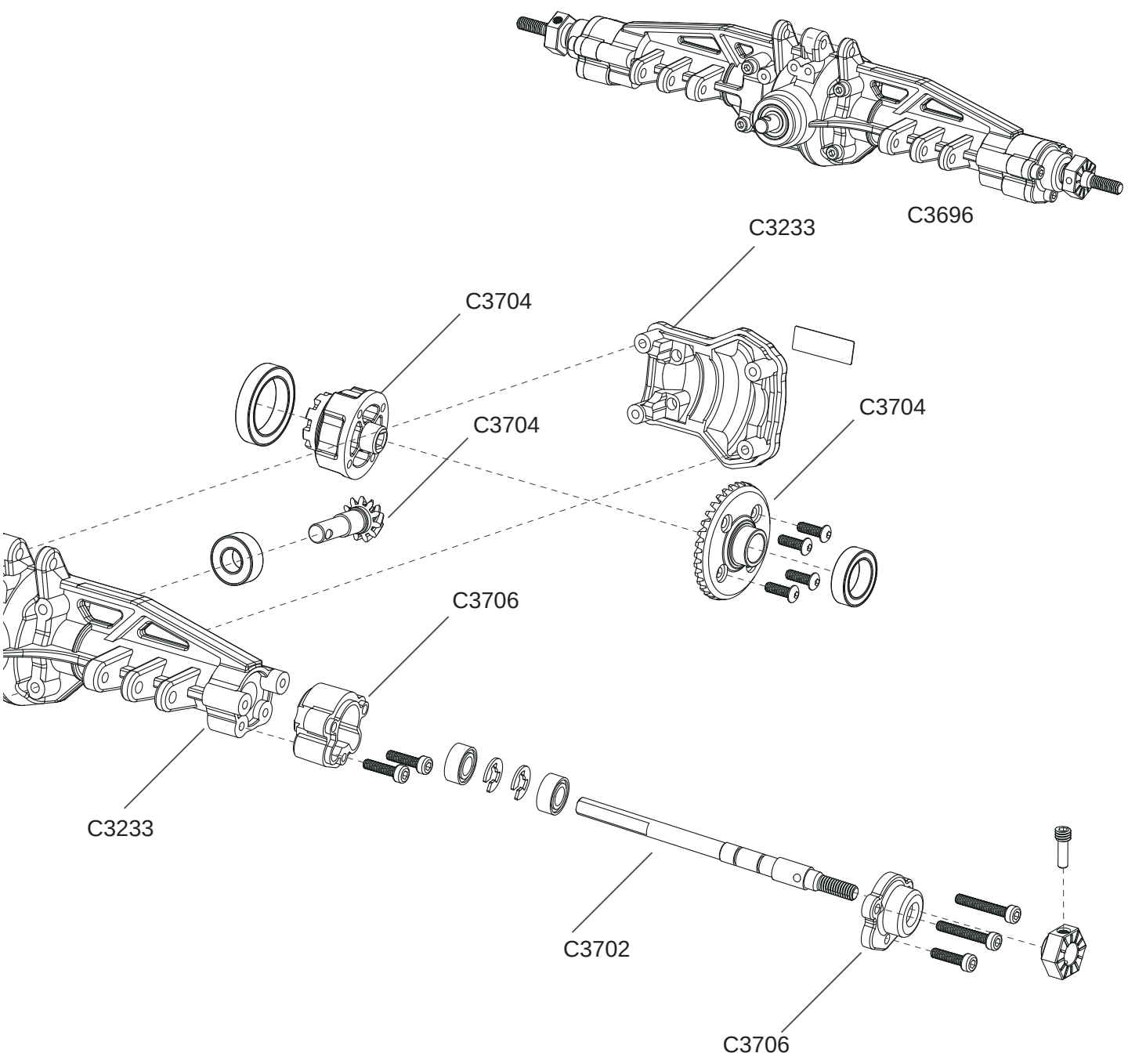
EN: Front Axle Assembly CN:前桥总成



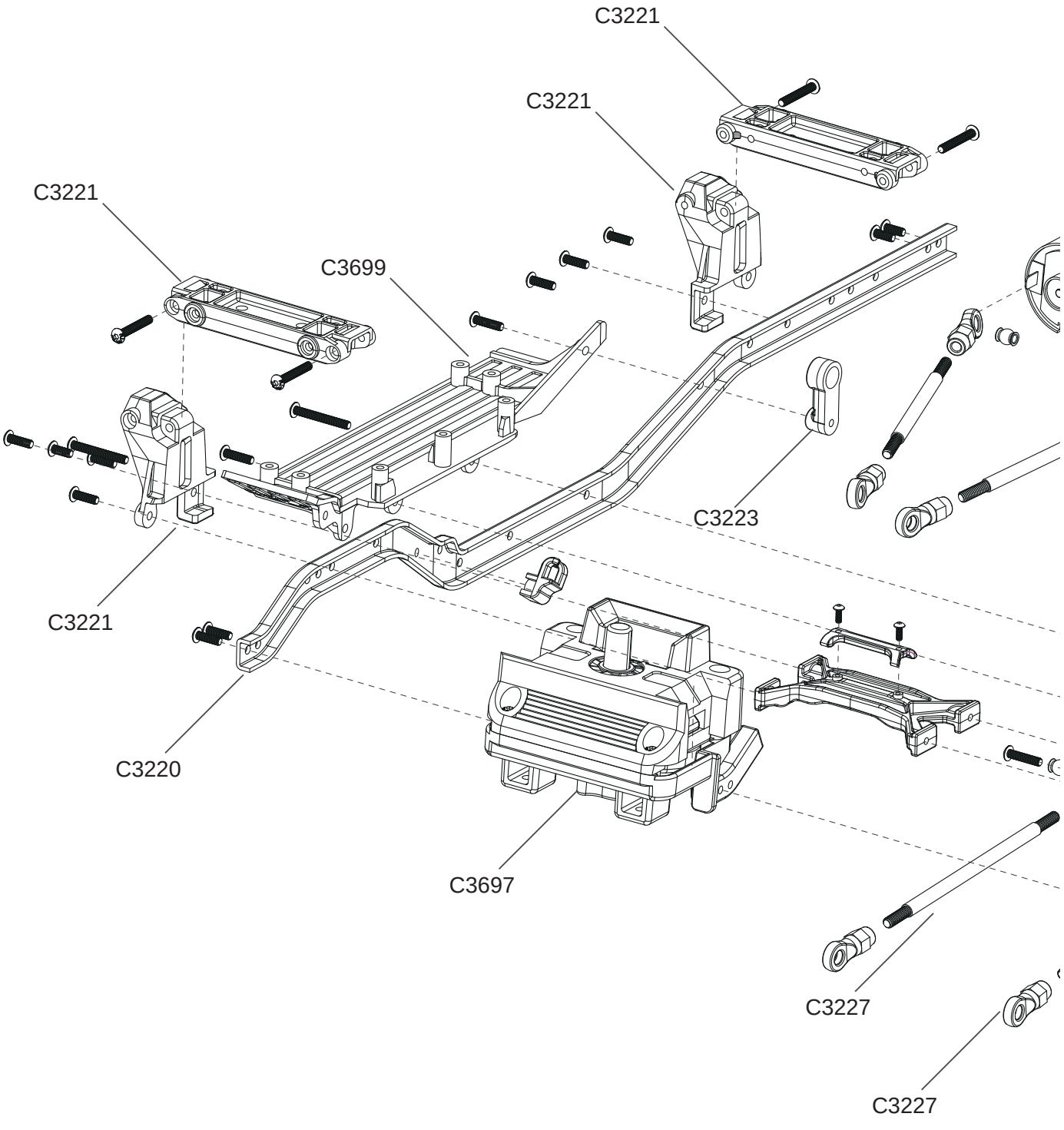

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C3247
C3246
C3234
C3701
C3701
C3703
C3266
C3703
C3232

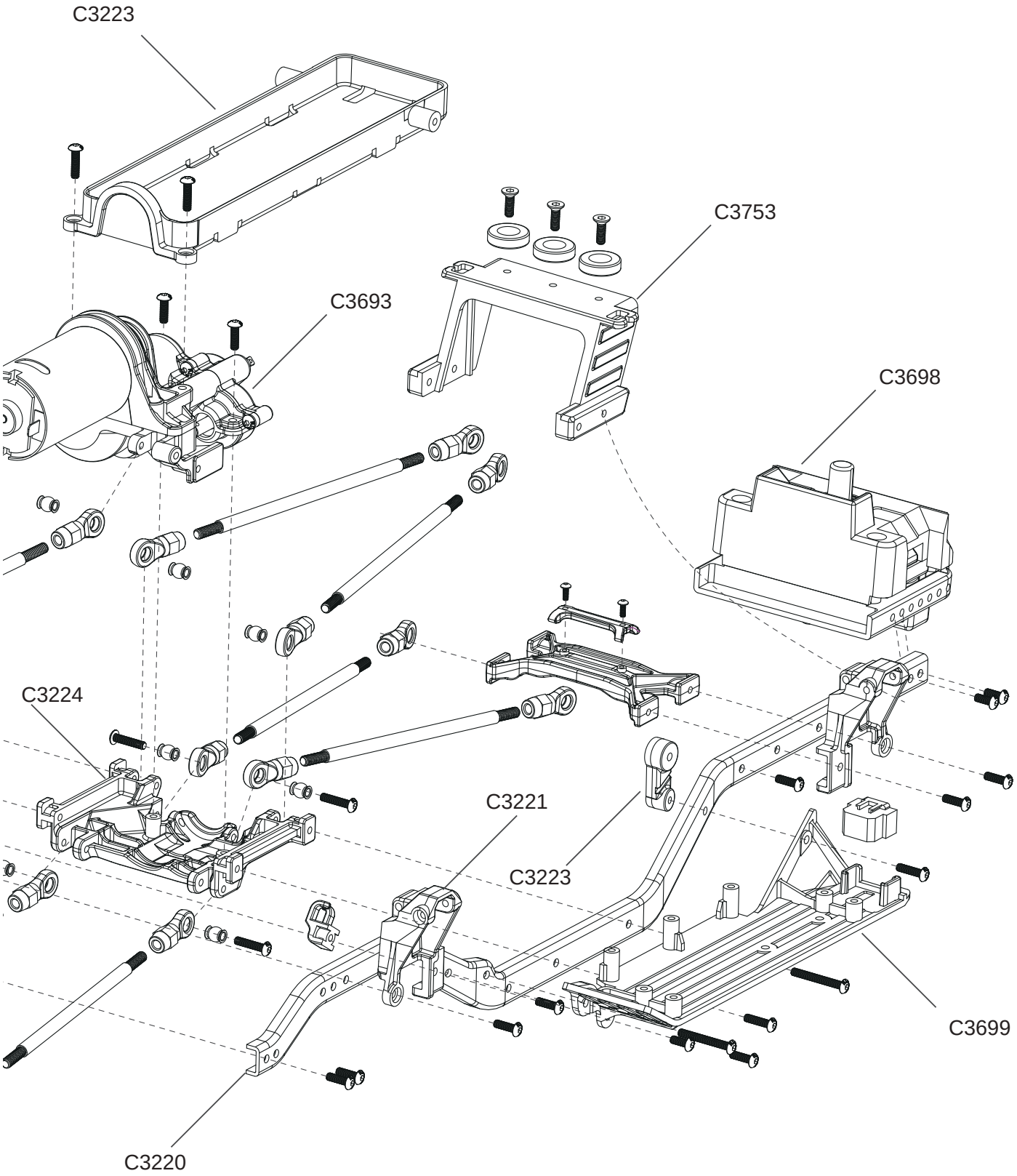
EN:Rear Axle Assembly　　CN:后桥总成



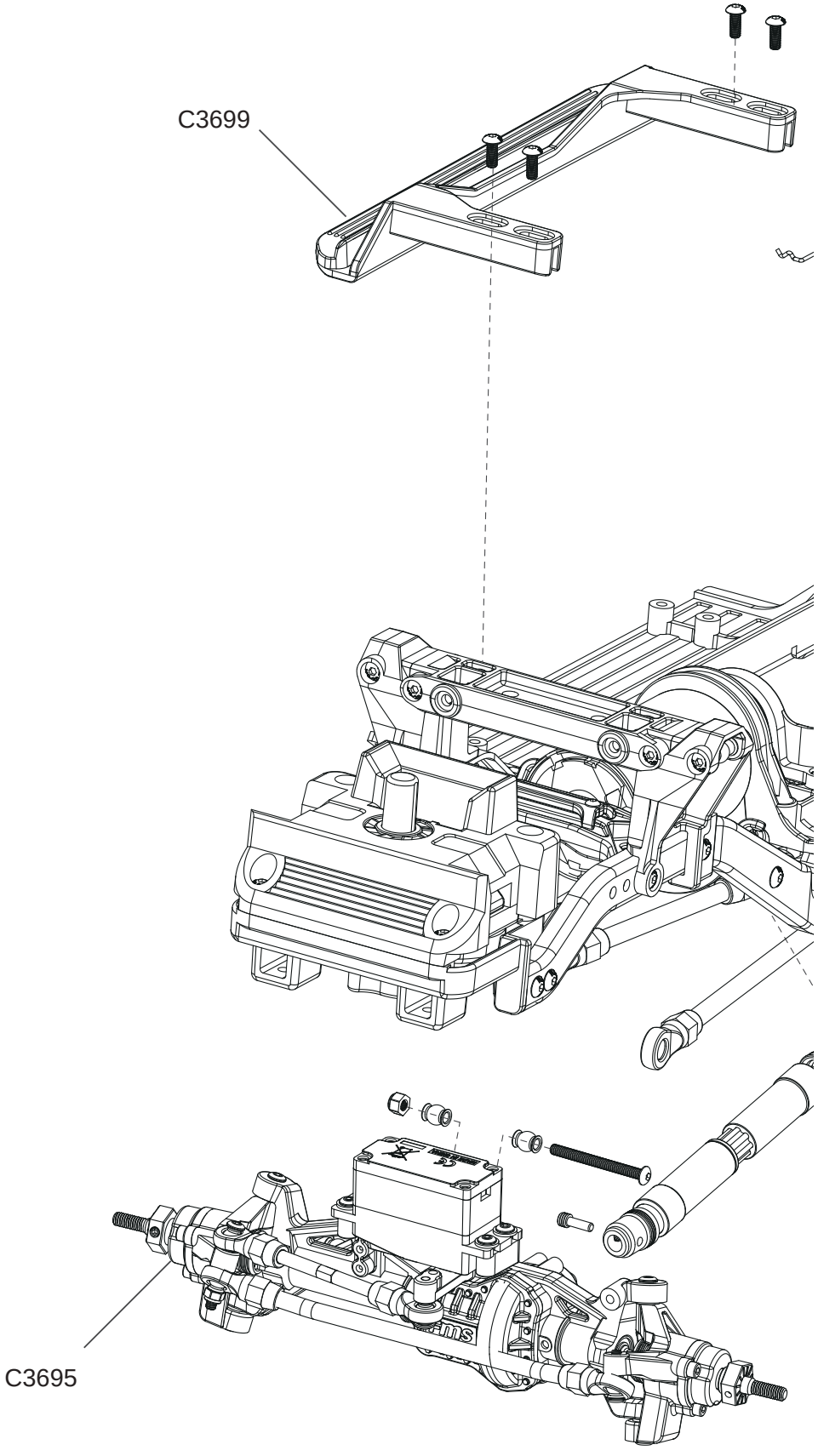

C3696
C3233
C3704
C3704
C3704
C3706
C3233
C3702
C3706

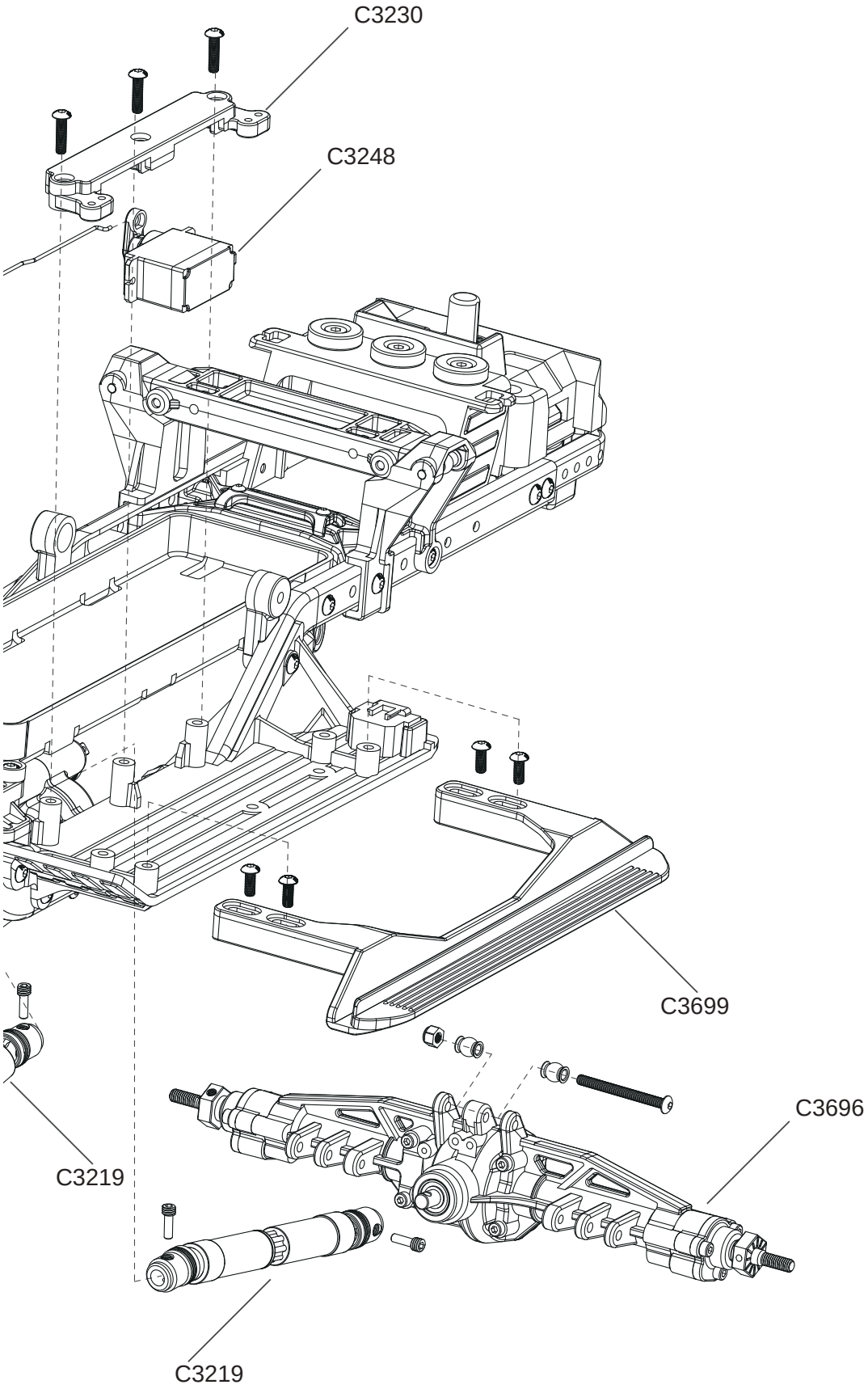
EN:Semi-finished Chassis Set A　　CN:车架半成品A



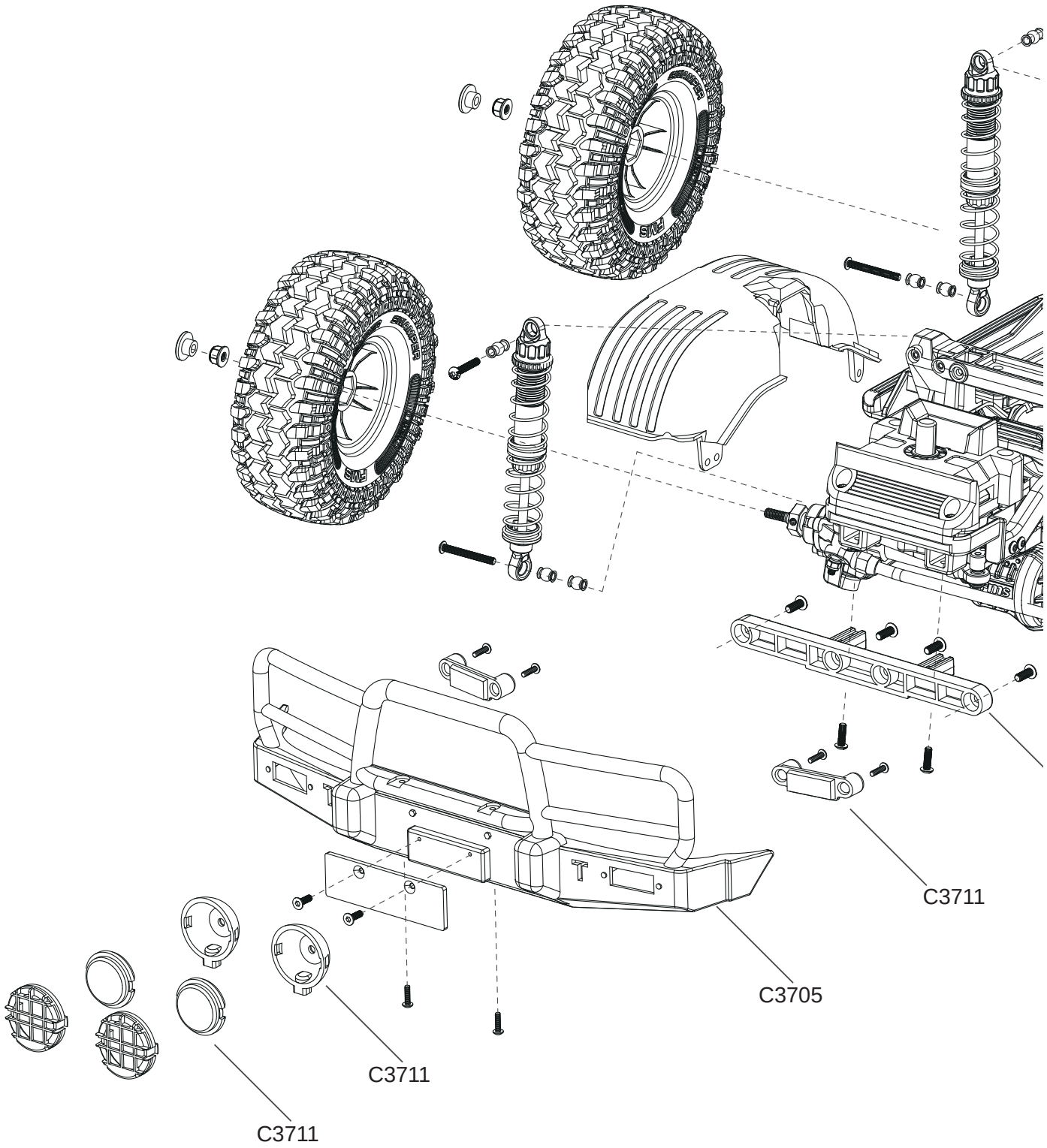

C3223
C3753
C3693
C3698
C3224
C3221
C3223
C3699
C3220

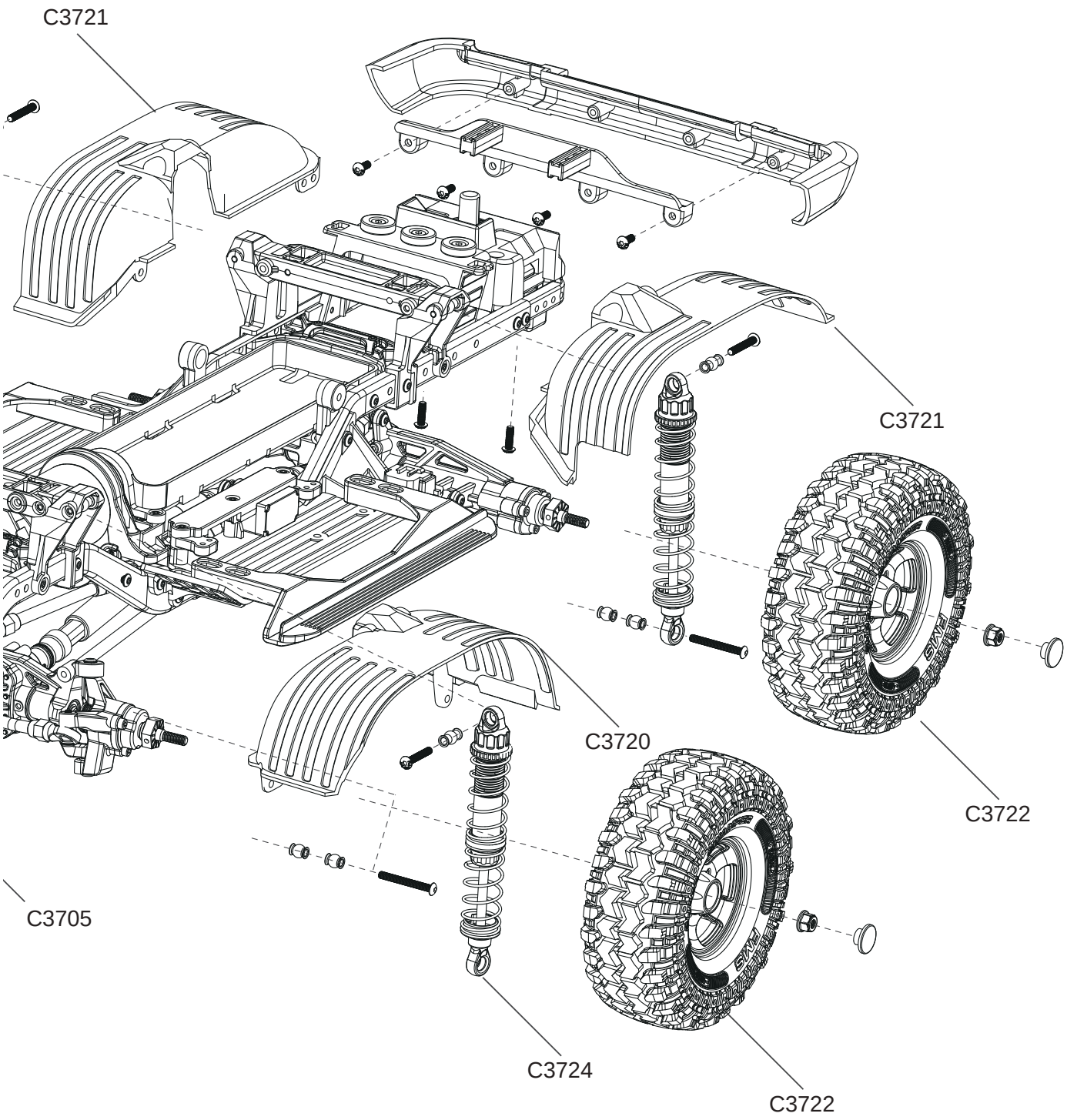
EN:Semi-finished Chassis Set B　　CN:车架半成品B



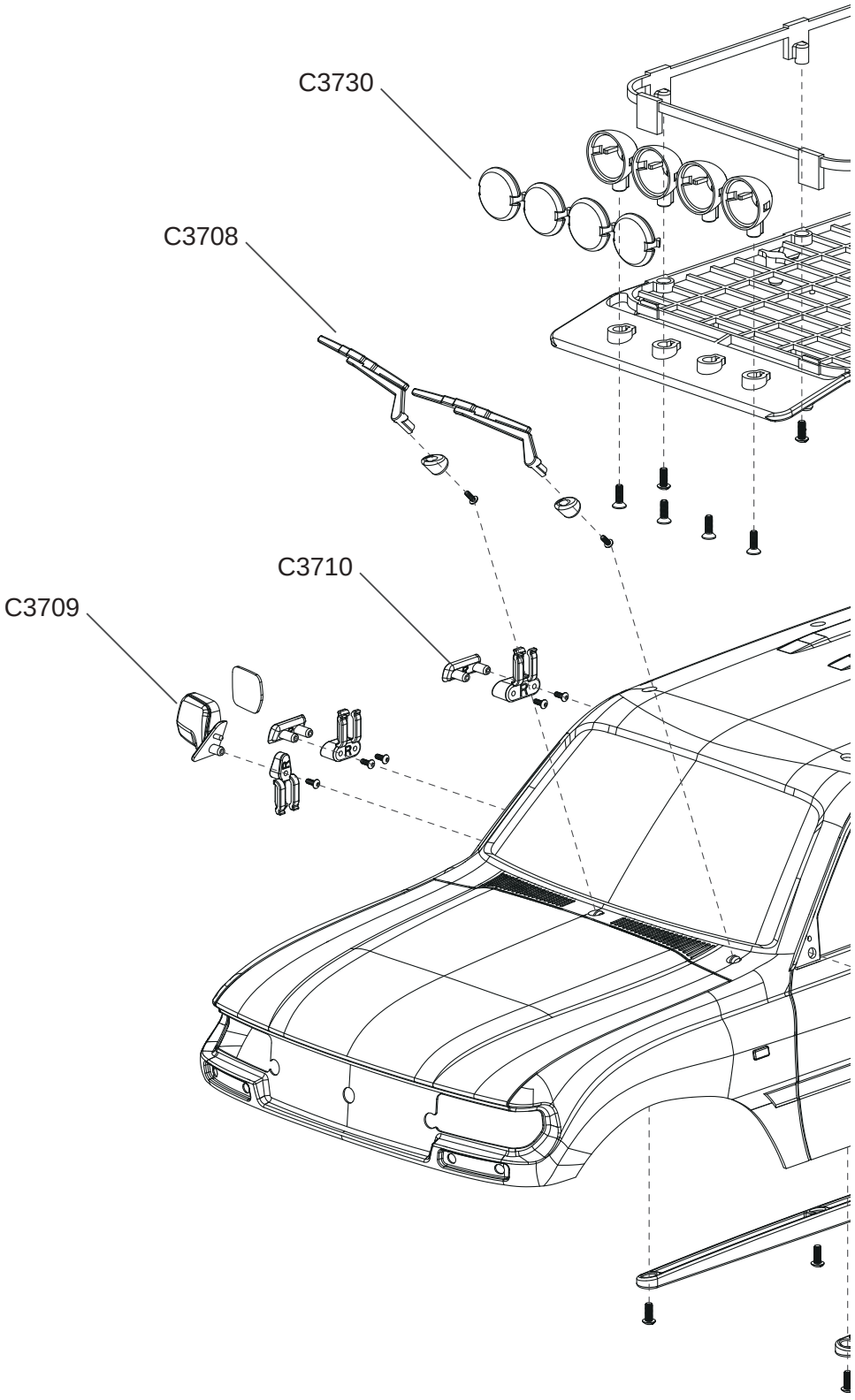

C3230
C3248
C3699
C3696
C3219
C3219

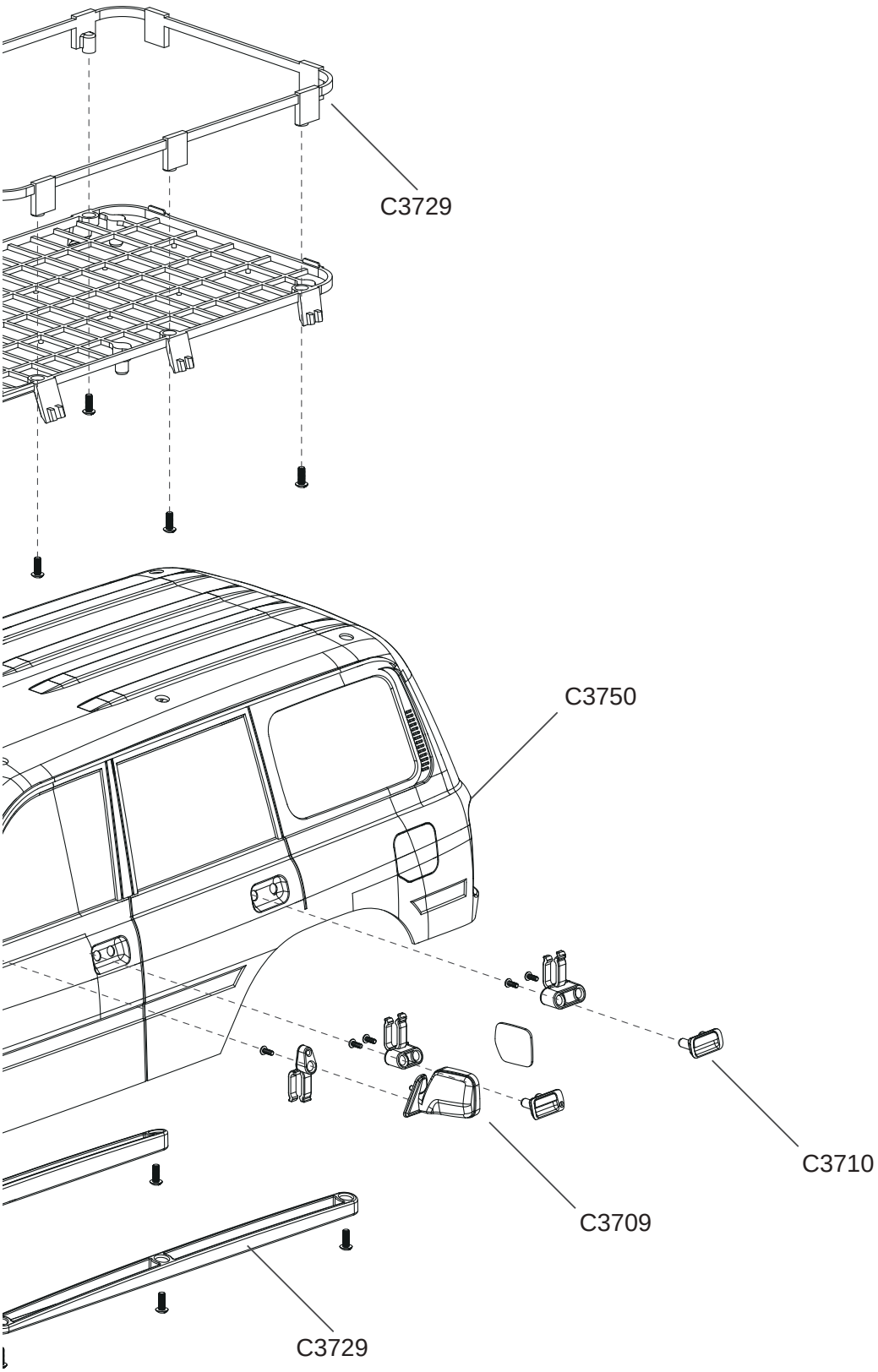
EN:Finished Chassis Set　　CN:车架成品



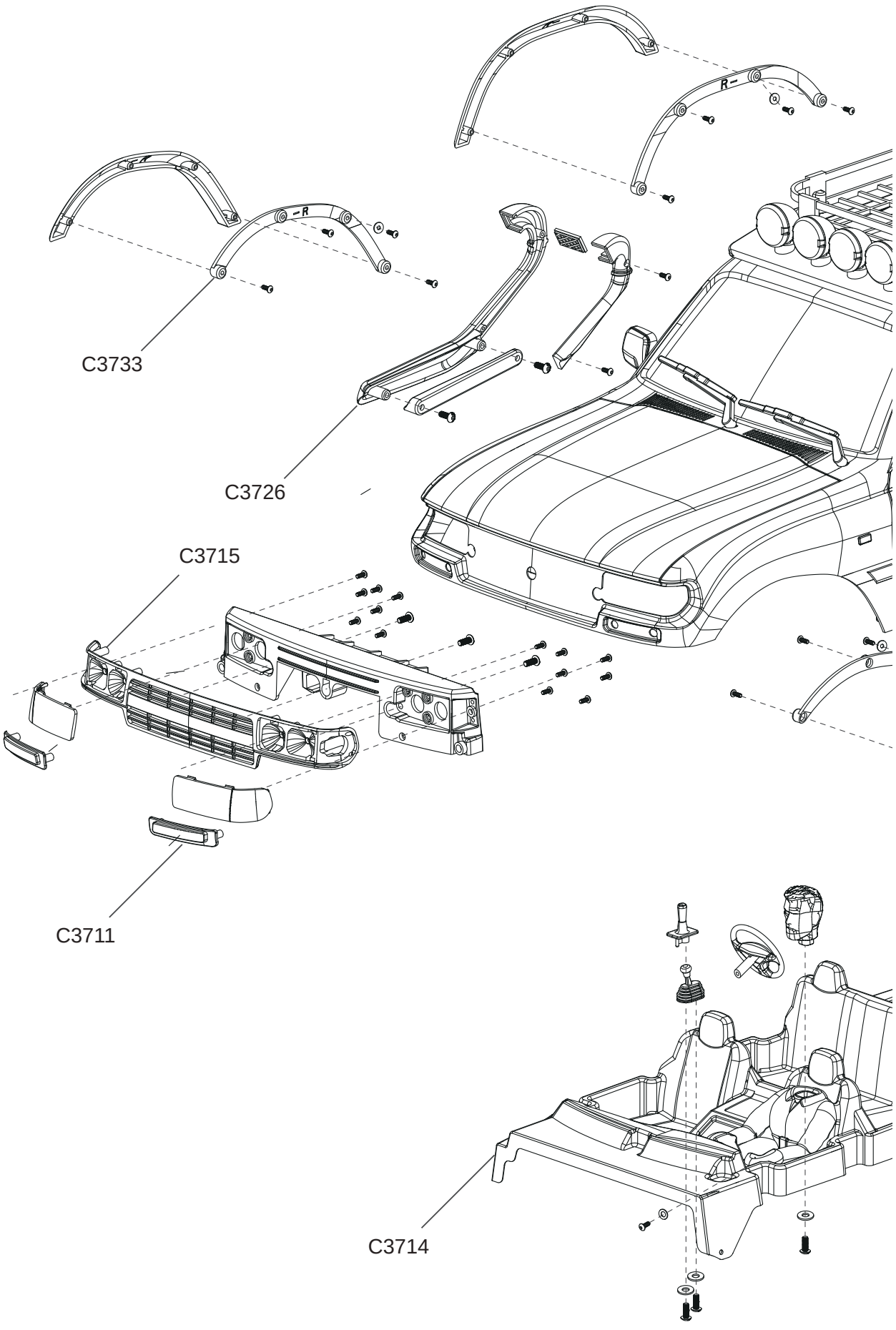

C3721
C3721
C3720
C3722
C3705
C3724
C3722

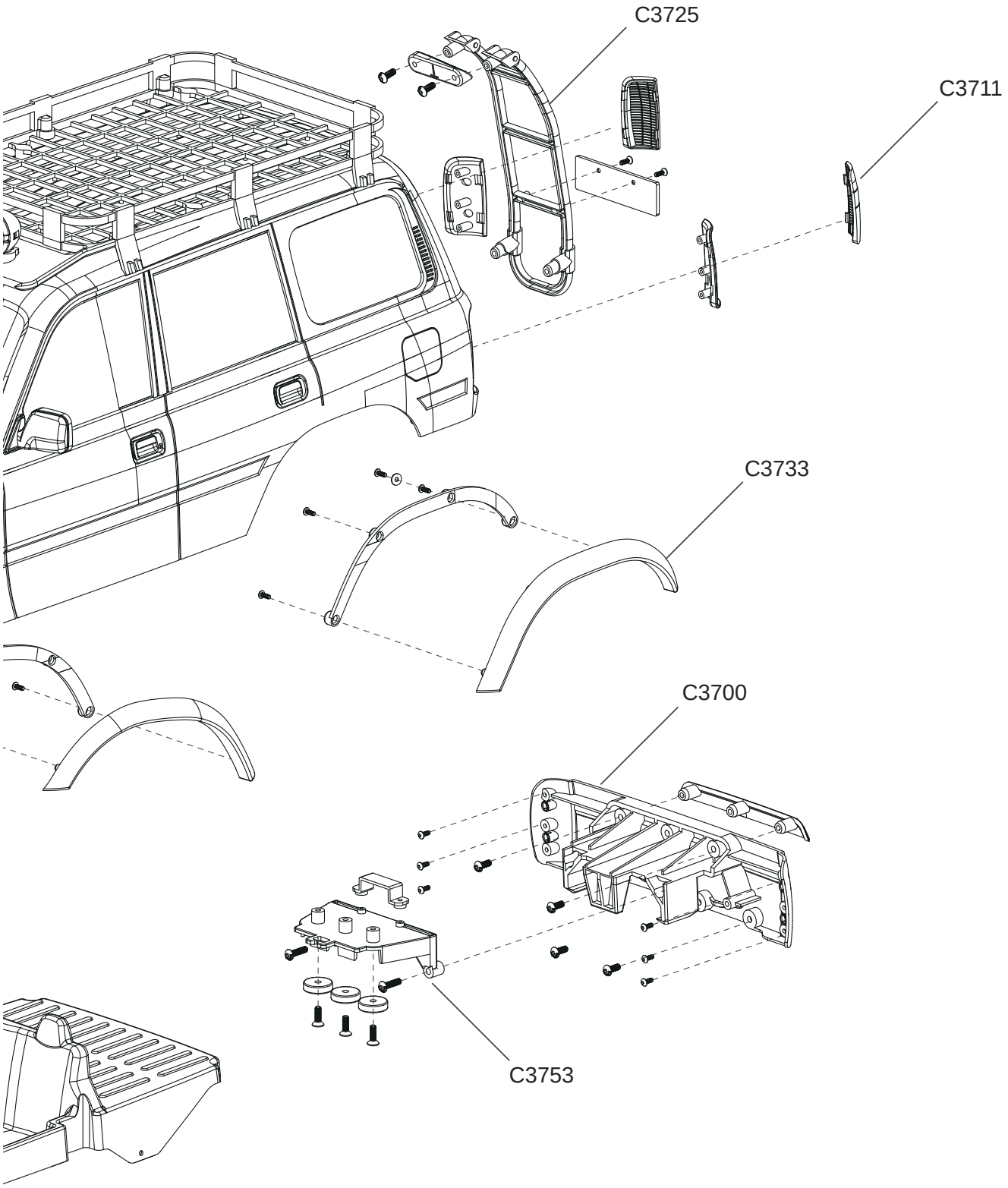
EN:Semi-finished Shell Body Set　　CN:车壳半成品

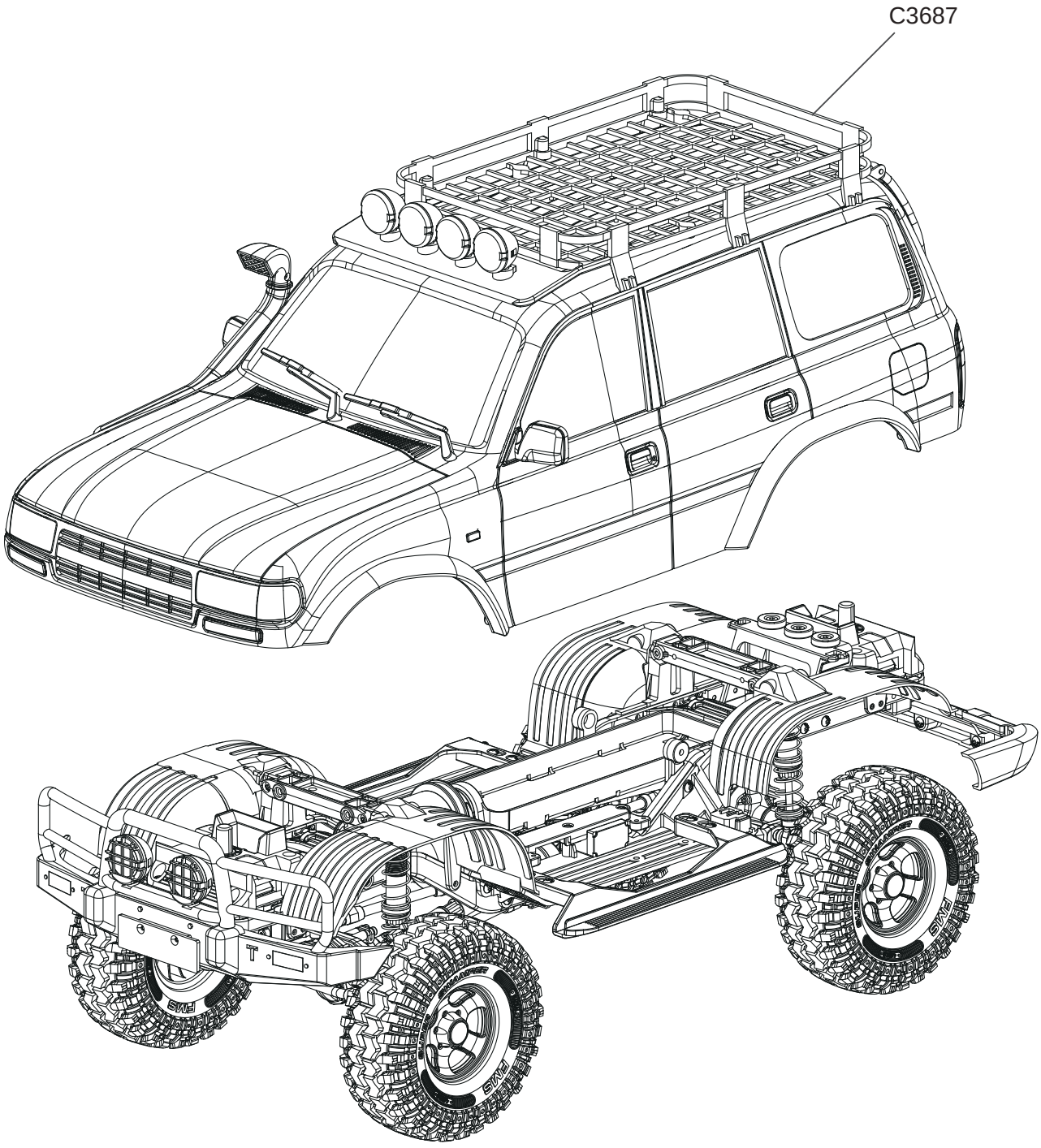



C3729
C3750
C3710
C3709
C3729

EN: Finished Shell Body Set　　CN: 车壳成品组




C3725
C3711
C3733
C3700
C3753


C3687

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中国代理

车模

酷乐派模型 KLP Racing

蓝飞驰模型

老顽童模型

顶尖遥控模型

苏乐快捷模型

意帆模型 Well Model

航模

苏州雷飞航模车模

擎天模型

神鹰模型

mymtt的新店

天天向上模型

新动模型

MADE IN CHINA