

1/16 全比例高性能四驱赛车

操作说明书

1/16 Full proportion high-performance 4WD racing

Operating Instructions



SG-1603



SG-1604

本产品适合14岁以上的用户使用

操作前请仔细阅读此说明书

This product is suitable for users over 14 years old. Please read this instruction manual carefully befores use.

重要通知 Important Notice

我们公司的产品一直在改进,设计和规格如有变更,恕不另行通知。本手册所有内容 均已仔细核对,以确保准确性,如有印刷错误,本公司保留最终解释权。

Our company's products are improving all the time, design and specifications are subject to change without notice. All the information in this manual has been carefully checked to ensure accuracy, if any printing errors, our company reserve the final interpretation right.

谢谢(THANK YOU)

- ●感谢您选择本产品!该模型旨在为驾驶带来乐趣,并使用高品质的零件来提高耐用性和性能。您正在阅读的说明手册是为了让产品更容易理解和解释得更透彻。我们希望您喜欢本遥控模型车。如果您遇到任何问题或需要帮助请致电我们,我们将尽最大努力为您提供帮助。您也可以通过以下网址与我们联系:www.salmodel.com。
- ●这是一款高性能的无线遥控模型产品,需定期维护才能获得最佳性能。如果您不进行定期维护,则会影响性能。我们拥有所有必要的零件和附件,可确保您的车辆保持最佳性能。
- ●警告或注意符号将警告您有关可能非常危险的步骤。在继续操作之前,请仔细阅读并理解说明事项。
- Thank you for choosing this product. The remote control model is designed to be fun to drive and uses high quality parts to improve durability and performance. The instruction manual you are reading is to make the product easier to understand and explain more thoroughly. We hope you enjoy this remote control model car. If you have any problems or need help, please call us and we will try our best to help you. You can also contact us through the following website: www.sqlmodel.com.
- This is a high-performance radio control model product, which needs regular maintenance to obtain the best performance. If you don't do regular maintenance, it can affect performance.
 - We have all the necessary parts and accessories to ensure that your vehicle maintains its best performance.
- The warning or attention symbol will alert you to potentially dangerous steps. Please read and understand the instructions carefully before proceeding.





不遵守这些说明可能会导致您自己或他人受伤。您也可能会造成 财产损失或模型损坏。

Failure to follow these instructions may result in injury to yourself or others. You may also cause property damage or model damage.



警告 WARNING

操作前 Before Operation

- ●详细阅读说明书,或请教有操作经验的人,必要时与监护人一起阅读。
- ●确保正确拧紧所有螺丝和螺母。
- ●遥控器和车辆请始终使用电量饱和的 电池,以免失去对模型的控制。
- ●请确认油门扳机在正中心位置。
- Read the instruction manual in detail, or ask for the person with experience in operation, and read with the guardian if necessary.
- Make sure all screws and nuts are properly tightened.
- The remote control and the vehicle should always use the battery with saturated power to avoid losing control of the model.
- Please make sure that the throttle trigger is in the center position.

操作时 During Operation

- ●首先打开遥控器电源,然后打开车辆 电源。
- ●请勿在公共街道或人群拥挤的地方操作,以免发生意外事故。
- ●只在空旷(>4x4m)无人的地方使用本产品。
- ●不可将手指或其他物体放进正在旋转 或移动的部件中。
- First turn on the power of the remote control, and then turn on the power of the model.
 DO NOT operate in public streets or crowded places
- to avoid accidents.

 Use this product only in open areas (>4x4m) without
- pedestrians.
- DO NOT put fingers or any objects inside rotating and moving parts.

操作后 After Operation

- ●首先关闭车辆电源,然后关闭遥控器 电源。并取出电池。
- ●车辆使用完毕需进行日常维护。
- First turn off the model power, then turn off the remote control power. And take out the battery.
- Daily maintenance is required after the model is used.



- ●产品含有小且尖锐的零件, 请远离儿童。
- ●刀具、镊子、钳子、螺丝刀 等需小心处理。
- ●勿将模型放在高温、潮湿及 阳光直射的地方。
- ●模型车运行异常时需立即停 止操作并检查原因。
- ●保持警惕,周围可能有人也 在操作模型车。
- ●电机为发热部件,请勿触碰。
- ●包装或说明书中含有重要信息,应保留。

- The product contains small and sharp parts.
 Keep away from children.
- Cutters, nippers and screwdrivers need careful handling.
- DO NOT put the model in high temperature, humidity and direct sunlight.
- The model must stop immediately and check for the reasons when it is operating abnormal.
- Keep in mind that people around you may also operate a radio control model.
- The motor is a heating part, please do not touch it.
- Please keep the package or instructions as they contain important information.



- ●使用前请阅读并遵守所有注意事项, 电池使用不当可能会导致危险。
- ●运行后电池发热为正常现象,处理电池时请小心。如果电线磨损,容易短路并引起 火灾。
- 废弃的锂电池不得当成家庭垃圾直接丢弃,请联系当地环保部门或您的模型供应商或距您最近的锂电池回收中心进行处理。
- 1) 使用后, 请断开电源并拔掉插头;
- 6) 安装或更换电池时应注意电池的极性;
- 2) 充电前应将电池从模型中取出;
- 7) 不同类型的电池或新旧电池不可混用;
- 3) 电池鼓起或膨胀时不要充电;
- 8) 接线端不应短路; 9) 请勿将电池短路、分解或投入火种;
- 4) 请远离潮湿、腐蚀性环境和热源; 5) 充电电池请在成人监护下充电;
- 10) 请使用随附的专用充电器给电池充电。
- Please read and observe all precautions before use. Improper use of battery may cause danger.
- It is normal for the battery to heat up after operation. Please be careful when handling the battery. If the wire is worn, it is easy to short circuit and cause fire.
- Wasted li-ion battery must not be placed with household trash. please contact local environmental
 or waste agency or the supplier of your model or your nearest li-ion battery recycling center.
- 1) After use, please disconnect the power supply and pull out the plug;
- 2) Remove the battery from the model before charging:
- 3) DO NOT charge the battery when it is bulging or expanding;
- 4) Keep away from damp, corrosive environment and heat source;
- 5) Please charge the battery under adult supervision;
- 6) Pay attention to the polarity of the battery when installing or replacing the battery:
- 7) Different types of batteries or old and new batteries should not be mixed;
- 8) DO NOT short circuit any terminals;
- 9) DO NOT short circuit, decompose or put the battery into fire;
- 10) Please use the attached special charger to charge the battery.

产品配置 (Product Configuration)

SG-1603

车壳(以实际产品为准) Body(To the actual product)



锂电池组 Lithium-ion Battery pack



六角螺母扳手(小的) Hexagon nut wrench(small)





底盘(以实际产品为准)

Chassis(To the actual product)

充电器 Charger



内六角扳手 Hex wrench



漂移轮胎 Drift tires

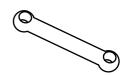


十字螺丝刀 Cross screwdriver



前束角连杆(短的) Toe links(Short)

操作说明书



SG-1604

车壳(以实际产品为准) Body(To the actual product)



锂电池组 Lithium-ion Battery pack



六角螺母扳手(小的) Hexagon nut wrench(small)



底盘(以实际产品为准) Chassis(To the actual product)



充电器



内六角扳手 Hex wrench





漂移轮胎 Drift tires



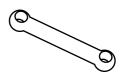
十字螺丝刀



操作说明书 Operating Instructions



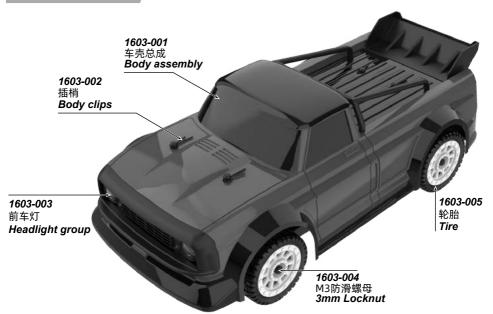
前束角连杆(短的) Toe links(Short)

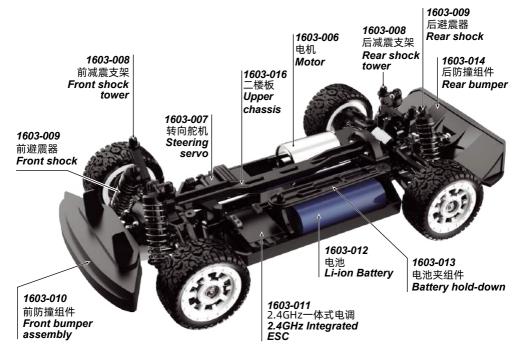


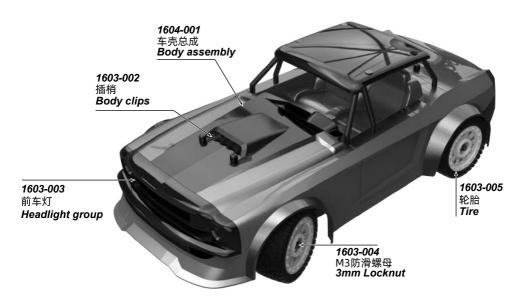
1 操作前指引(Guidance before operation)

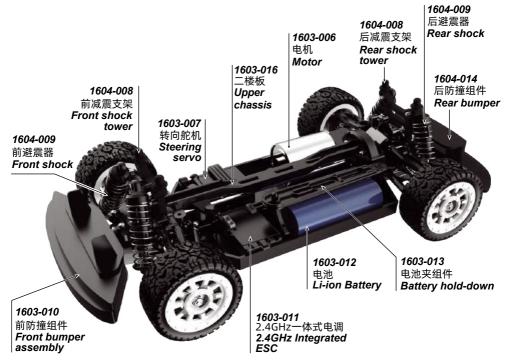
1> 遥控模型准备 (Preparation of remote control model)

概述 (Summary) / SG-1603







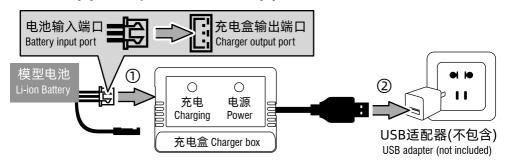


电池出厂时含有较少电量,须充电饱和后再使用。

将随附充电盒与模型电池充电输入端口连接,再连接其它USB输出端口。充电时,充电指示灯闪烁,充电完成指示灯常亮。电池充电时禁止安放于模型中。电池必须冷却后再充电。

The battery contains less power when leaving the factory, so it must be charged and saturated before use.

Connect the attached charger with the model battery charging input port, and then connect other USB output ports. When charging, the charging indicator is flashing, and the indicator is always on after charging. Do not put the battery in the model when charging. The battery must be cooled before charging.



▲请使用设备随附的充电盒并确保连接正确

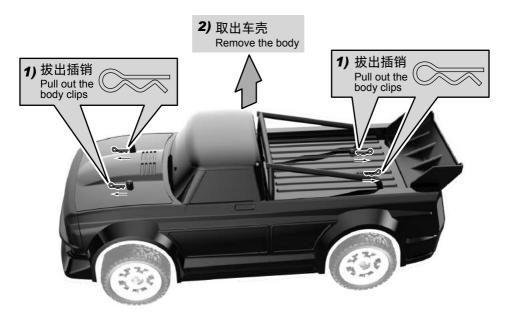
警告: 充电时必须有人照看。

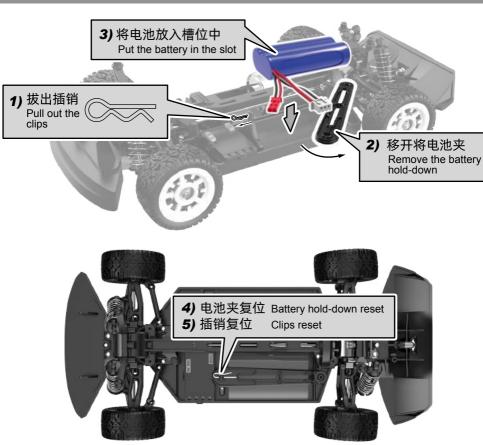
▲ Please use the charging box provided with the product and make sure it is connected properly.

Warning: someone must be watching while charging.

1>-2

取出车壳 (Remove the body)



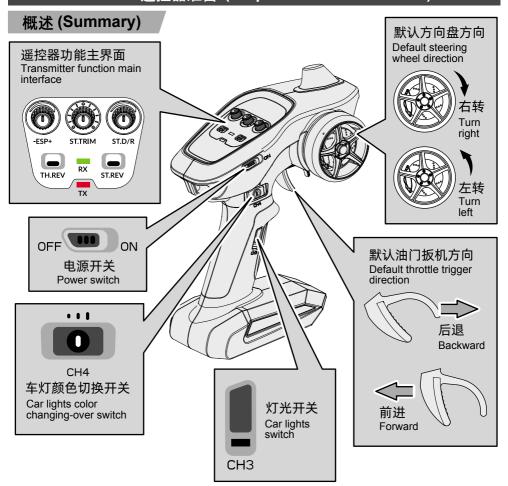




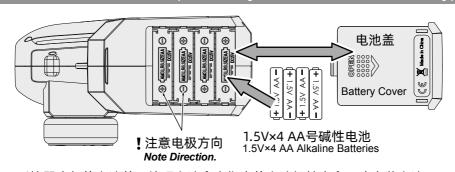




电池安装完毕,复位车壳。 After the battery is assembled, reset the body.



2>-1 遥控器电池的装配 (Assembly of the transmitter battery)



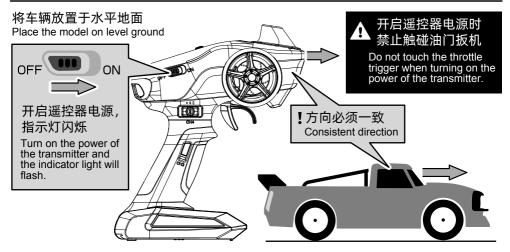
打开遥控器底部的电池盖,按照电池盒内指定的电池极性方向正确安装电池。 Open battery cover at the bottom of transmitter. Install batteries. Follow the direction of batteries designated in the inside of the battery box.

2

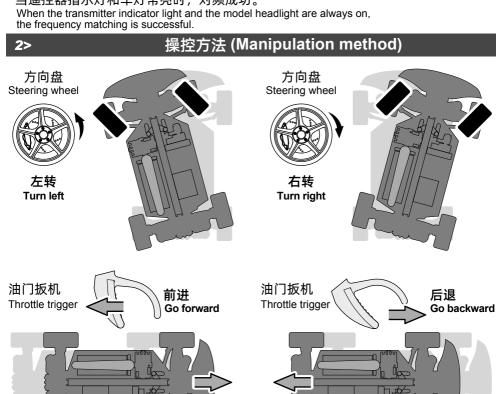
操作指引 (Operational guidance)

1>

对频 (Frequency matching)



当遥控器指示灯和车灯常亮时, 对频成功。



前进并左转 Turn left and move forward





前进 Go forward





左转 Turn left

前进并右转 Turn right and move forward

油门扳机 Throttle trigger

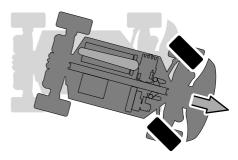


前进 Go forward

方向盘 Steering wheel



右转 Turn right



后退并左转 Turn left and move backward

油门扳机 Throttle trigger



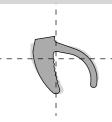
后退 Go backward

方向盘 Steering wheel



左转 Turn left

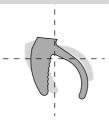
低速 Low speed



向后轻拉油门扳机*,* 车辆慢速前进。

Pull the throttle trigger back gently and the car will move forward slowly.

高速 High speed

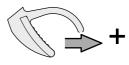


油门扳机拉到最大,车辆快速前进。

The throttle trigger is pulled to the maximum, and thecar moves forward quickly.

后退并右转 Turn right and move backward

油门扳机 Throttle trigger



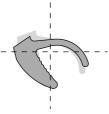
后退 Go backward

方向盘 Steering wheel



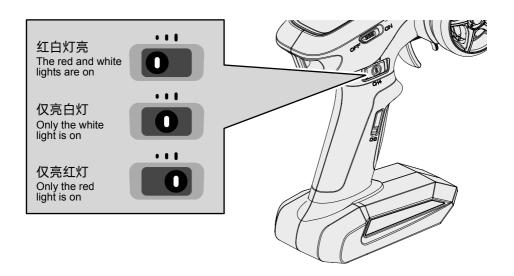
右转 Turn right

刹车/后退 Brake/Backward

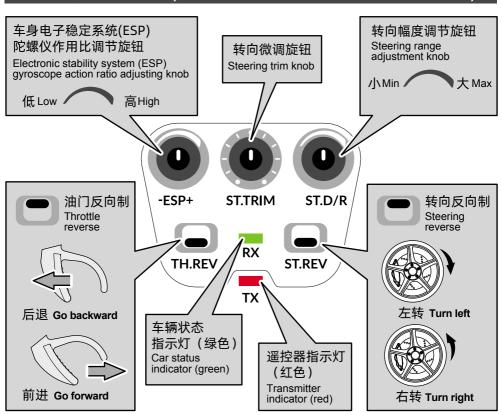


车辆前进过程中,油门扳机往前推,车辆停止前进。油门扳机回到中位后再次 往前推,此时车辆后退。

When the car is moving forward, the throttle trigger is pushed forward and the car stops moving. After the throttle trigger returns to the middle position, it pushes forward again, and the car moves backward.

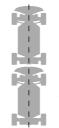


4> 主界面功能介绍 (Introduction of main interface function)





陀螺仪作用比调节 Adjustment of gyroscope action ratio







作用比增大(The action ratio increases



本产品带有ESP车辆稳定系统功能,当车辆在行驶时发生侧滑或失控时,能够有效起到修正车辆姿态和方向的作用。可通过遥控器的ESP旋钮来调节车辆陀螺仪传感器作用和灵敏度的大小。

This product has the function of ESP car stability system, which can effectively correct the car attitude and direction when the car skids or loses control. The function and sensitivity of the car gyroscope sensor can be adjusted through the ESP knob of the transmitter.



ST.TRIM 转向微调 Steering trim



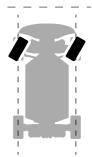
当前轮偏左时, 旋钮向右旋转。

When the front wheel is left, the knob rotates to the right.



当前轮偏右时, 旋钮向右旋转。

When the front wheel is right, the knob rotates to the left.



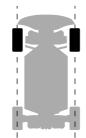
当方向盘在正中心位置时,如果车辆无法正常直线行驶,请使用转向微调旋钮来调节 校正前轮的左右方向。

When the steering wheel is in the center position, if the car can not drive in a straight line, please use the steering trim knob to adjust and correct the left and right directions of the front wheels.



ST.D/R

转向幅度调节 Steering range adjustment



全 转向角

度最小 Minimum steering angle



转向角 度最大 Maximum steering angle





可以使用转向幅度调节旋钮调节车辆的左右转向角度大小。

The steering range adjustment knob can be used to adjust the left and right steering angle of the car.

5>

弱信号报警 (Weak signal alarm)

当信号弱或信号中断时,遥控器红色指示灯闪烁。请必须在有效控制距离内操控,避免发生意外。

When the signal is weak or the signal is interrupted, the red indicator light of the transmitter will flash. Please operate within the effective control distance to avoid accidents.

当遥控器电池电量不足时,遥控器红色指示灯闪烁。当车辆电池电量不足时,遥控器绿色指示灯闪烁。上述情况需尽快更换电池,避免发生意外。

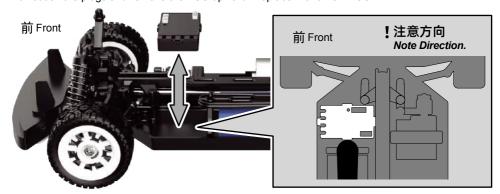
When the battery of the transmitter is low, the red indicator of the transmitter flashes. When the car battery is low, the transmitter green indicator light flashes. The battery should be replaced as soon as possible to avoid accidents.

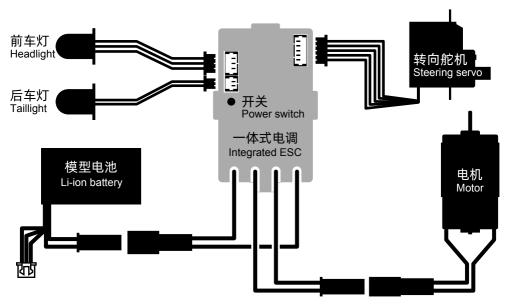
3 部件更换 (Replacement of parts)

1> 更换电调 (Replace the ESC)

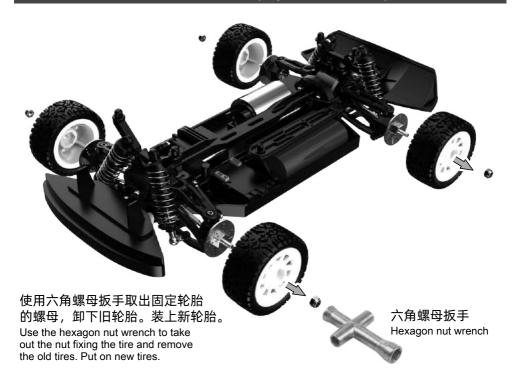
拔出所有插头,向上取出电调。新电调复位。

Pull out all the plugs and remove the ESC upward. Replace with a new ESC.

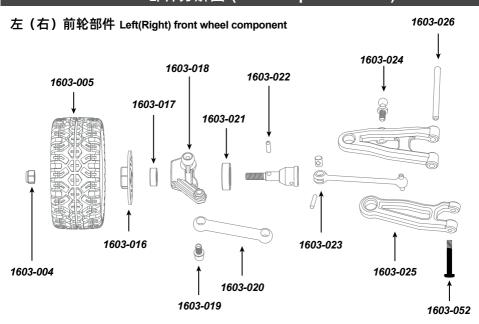




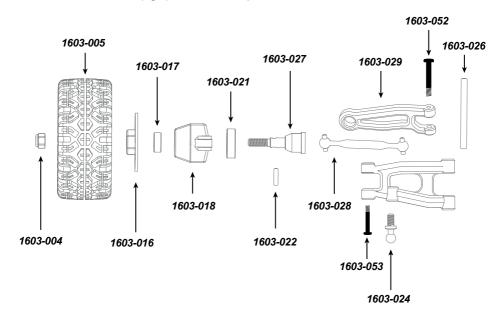
电子设备连接示意图 Electronic equipment connection diagram



部件分解图 (Parts exploded view)

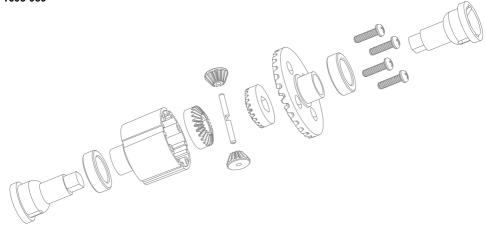


左 (右) 后轮部件 Left (right) rear wheel components

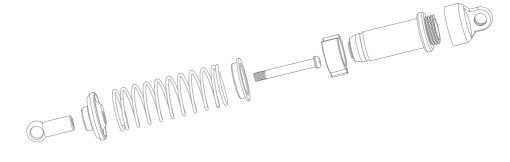


差速器 Differential assembly

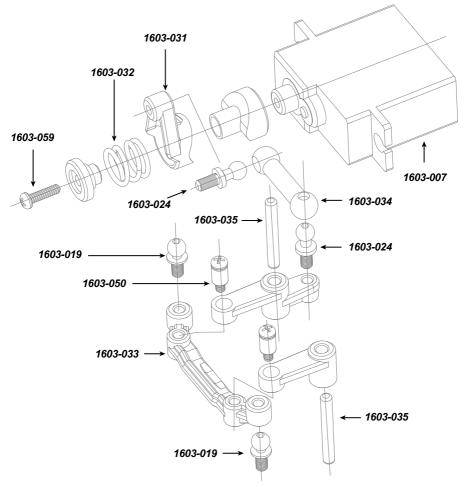
1603-030



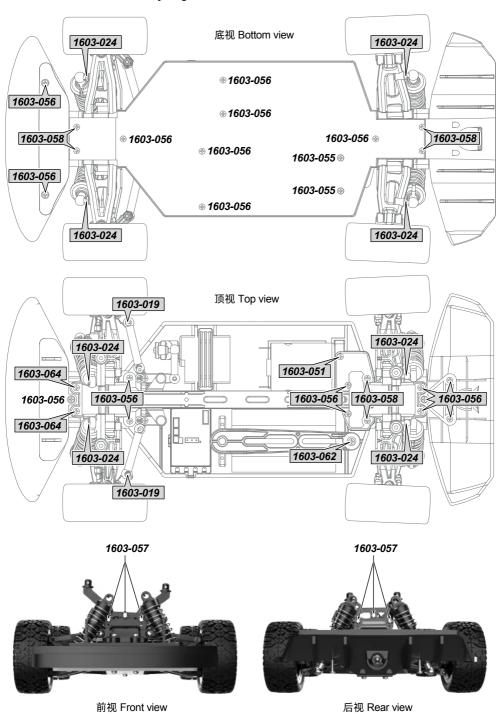
前(后)减震器部件 Front (rear) shock absorber components 1603-009 / 1604-009



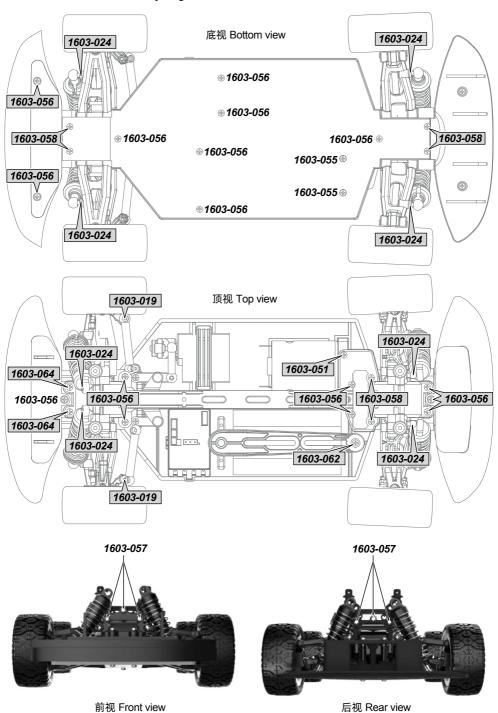
转向系统组件 Steering system components



螺丝装配图 Screws assembly diagram SG-1603



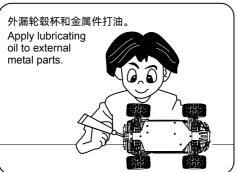
螺丝装配图 Screws assembly diagram SG-1604

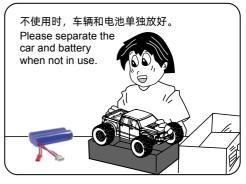


车辆维护 (Product maintenance)

不使用时,取出车辆和遥控器的电池。 When not in use, remove the battery from the model and transmitter.







5 故障排除 (Troubleshooting)

状况描述 Situation description	原因 Cause	解决方案 Solution
遥控车不运行 Remote control car doesn't work	遥控车电池电量不足 Remote control car battery low	取下电池充电 Remove the battery and charge it
	遥控器电池电量不足 Transmitter battery low	更换新电池 Replacement of new batteries
	车轮或传动轴被杂物缠住 The wheel or transmission shaft is entangled with foreign matters	去除杂物 Remove debris
	电机达到有效使用期限 Motor reaches the effective service life	更换本款相同的电机 Replace the same motor of this model
对频时间长 Long frequency matching time	信号干扰 Signal interference exists	重启车辆和遥控器电源 Restart the car and transmitter power
操控延时 Operation delay	遇障碍物或干扰物 Encounter obstacles or interferences	停顿几秒或避开障碍物、干扰物 Suspend operation for a few seconds. Avoid obstacles or interferences
车辆自动前进/后退,或发出 "en" 声音 The vehicle moves forward (backward) automatically or makes a sound of "en"	电位器偏离中位 Potentiomer is not in the center	重启遥控器 Restart the transmitter

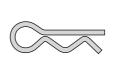
可购买配件



车壳总成 Body assembly



车壳总成 Body assembly



插销 Body clips



前灯组 Headlight group



m3防滑螺母 3mm Locknut



轮胎 Tire



轮胎 Tire



电机 Motor



转向舵机 Steering servo



前后减震支架组件 Front & Rear shock tower assembly



前后减震支架组件 Front & Rear shock tower assembly

1603-011



前后避震组件 Front & Rear shock assembly



前后避震组件 Front & Rear shock assembly



前防撞组件 Front bumper assembly



2.4GHz一体式电调 2.4GHz Integrated ESC



锂电池 *Li-ion Battery*



电池夹组件 Battery hold-down



后防撞组件 Rear bumper



后防撞组件 Rear bumper



二楼板 Upper chassis



刹车盘耦合器 Wheel adapters



8×4×3轴承 Ball bearing(8×4×3mm)



前后轮座组件 Front & Rear wheel carriers assembly



2.5×10球头螺丝 **2.5×10mm Pivot balls**



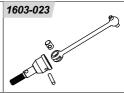
前束角连杆 Toe link



12×8×3.5轴承 Ball bearing(12×8×3.5mm)



1.8×6.8光轴 **Shaft(1.8×6.8mm)**



一体式驱动轴 Driveshaft assembly



2.5×12球头螺丝 **2.5×12mm Pivot balls**



前摆臂组件 Suspension arms (front)



2.5×32光轴 Shaft(2.5×32mm)



驱动杯 *Drive cup*



驱动轴 *Driveshaft*



后摆臂组件 Suspension arms (rear)



差速器组件 Differential assembly



舵机保护结构组件 Servo saver



舵机保护结构压簧 Servo saver spring



转向拉杆组件 Steering bellcrank



转向连杆 Steering linkage

1603-038



2.5×21光轴 **Shaft(2.5×21mm)**



差速箱组件 Differential housing



车底 Chassis

1603-037



电机齿轮组件 Motor gear



电机座 Motor mounts





2.3×4×5mm

PB Screws

2.3×6PB带5介螺丝 2.3×6×5mm PB Screws

2.3×8PB带8介螺丝 2.3×8×8mm



2.3×5×7mm PB Screws PB Screws

2.3×6mm PB Screws

FCC Note

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 interferencein 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 a ntenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which thereceiver is connected.

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

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authorityto operate this device.

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

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

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement.

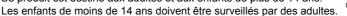
The device can be used in portable exposure condition with out restriction.

Warning: The product should only be used by adults and children over 14 years.

Adult supervision is required for children under 14 years.

Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 14 Jahren. Die kinder unter 14 Jahren müssen von Erwachsenen beaufsichtigt werden.

Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 14 ans.



Avvertimento: Questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 14 anni.

I bambini di età inferiore ai 14 anni devono essere sorvegliati da un adulto.

Advertencia: Este producto es para adultos y niños mayores de 14 años.

Los niños menores de 14 años deben ser supervisados por adultos.

警告: この製品は、大人と14歳以上の子供には使用対象です。14歳未満の子供は大人の監視が必要です。













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