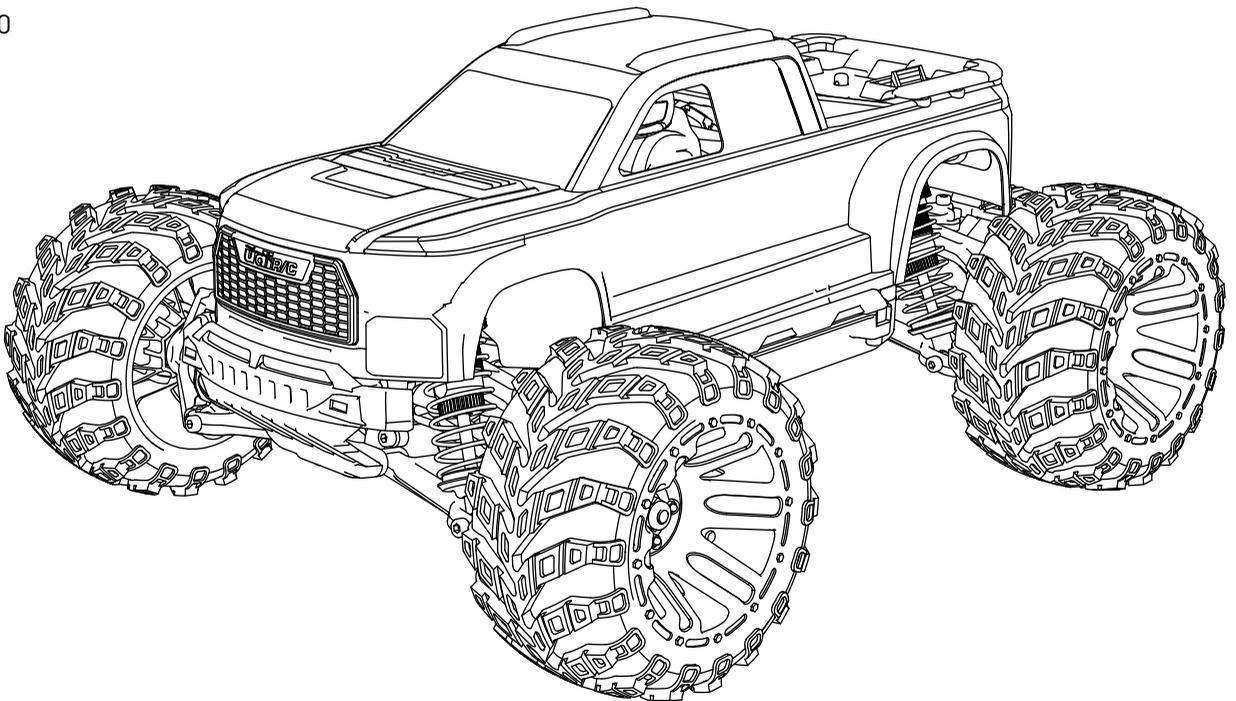


uDiRC

DARKSTEEL

OPERATING INSTRUCTIONS

V1.0



Applicable to the 1610 series

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

4x4

IMPORTANT NOTICE

The package or instruction manual contains important information and must be retained.

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.

The spare parts (including batteries and chargers) mentioned in the User Manual are subject to sales. KIT version not included electronic component. Configurations vary by version, please refer to the sales version.

THANK YOU

- Thank you for choosing this product. If you have any problems or need help, please call us and we will try our best to help you.
- This is a radio control model product, not a toy! 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.



WARNING



ATTENTION

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



Download the operating guide

For more safety precautions, please refer to the "Disclaimer and Safety Operation Guidelines".

Usage: Please follow the instructions to install and operate the model.

! WARNING

Before Operation	<ul style="list-style-type: none">● 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.	<p>Warning: The product should only be used by adults and children over 14 years. Adult supervision is required for children under 14 years.</p> <p>Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 14 Jahren. Die Kinder unter 14 Jahren müssen von Erwachsenen beaufsichtigt werden.</p> <p>Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 14 ans. Les enfants de moins de 14 ans doivent être surveillés par des adultes.</p> <p>Avvertimento: Questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 14 anni.</p>
During Operation	<ul style="list-style-type: none">● First turn on the power of the remote control, and then turn on the power of the model.● Use this product only in open areas (>5x5m) without pedestrians.● DO NOT put fingers or any objects inside rotating and moving parts.	<p>I bambini di età inferiore ai 14 anni devono essere sorvegliati da un adulto.</p> <p>Advertencia: Este producto es para adultos y niños mayores de 14 años. Los niños menores de 14 años deben ser supervisados por adultos.</p> <p>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。</p>
After Operation	<ul style="list-style-type: none">● 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.	<p>ريذحت: اماع 14 نس قوف لافطال او نيغلابل لبك نم طقف جتنملا مادختسا بجي اماع 14 نس نود لافطال بولطم رابكل فارش!</p>



DANGER!

Only suitable for age 14+

! ATTENTION

- 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.
- If you don't use the model for a long time, please raise the chassis to let the wheels hang in the air.

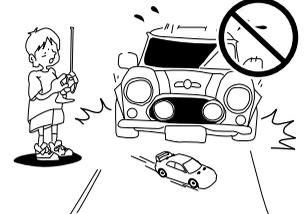
Please use this product only in empty place! It is strictly forbidden to use it on roads, living area, parks, indoor areas, children or places where people gather, otherwise injury may occur.



The product contains small and sharp parts. Keep away from children.



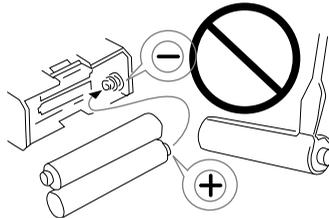
Be sure to read the instruction manual in detail, or ask for the person with experience in operation, and read with the guardian if necessary.



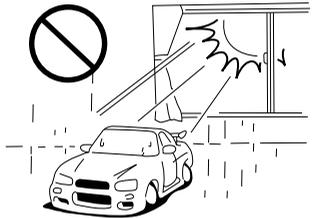
DO NOT operate in public streets or crowded places to avoid accidents.



Cutters, nippers and screw drivers need careful handling.



Please don't reverse contact or disassemble the battery, as this way will cause the battery to explode.



DO NOT put the model in high temperature, humidity and direct sunlight.

PRODUCT MAINTENANCE

When not in use, remove the battery from the model and transmitter.



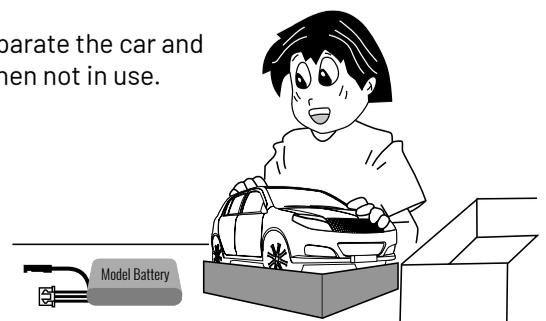
Please remove the sediment and dirt on the car completely and must be kept dry after play.



Apply lubricating oil to external metal parts.



Please separate the car and battery when not in use.



TROUBLESHOOTING

Cause	Solution
Long frequency matching time	The signal is disturbed, restart the car and the transmitter.
Operation delay	Please make sure there are obstacles or interferences.
The indicator of the transmitter is not bright	Please make sure the battery is installed correctly or replace it with a new one.
	If the transmitter doesn't work, please replace it with a new one.
The steering of the model car has no force or function	Increase the percentage of steering.
	Please make sure the steering is it include the sundries or some parts damaged.
The model car cannot shift gears	Replacement of new shift servo
	The shift tension spring falls off or is damaged
	Parts inside the central transmission are damaged
	Transmitter is faulty or damaged
The vehicle moves forward (backward) automatically or makes a sound of "en...."	Restart the transmitter
Remote control car doesn't work	When the battery is low, charger it in time or replace it with new battery.
	Please make sure the wheel or drive shaft is entangled by debris and remove it.
	The motor may have reached the expiration date, replace with the same motor.
	Please keep the car within effective control distance.
	When the battery of the transmitter in low battery, please replace it in time.
	Check whether all parts of the model car are damaged and replace them.
	High temperature protection is triggered when the ESC's temperature is too high, Please pause for 10 minutes before using.

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 interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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

FCC Notice

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 authority to 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.

⚠ BATTERY SAFETY

- 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.

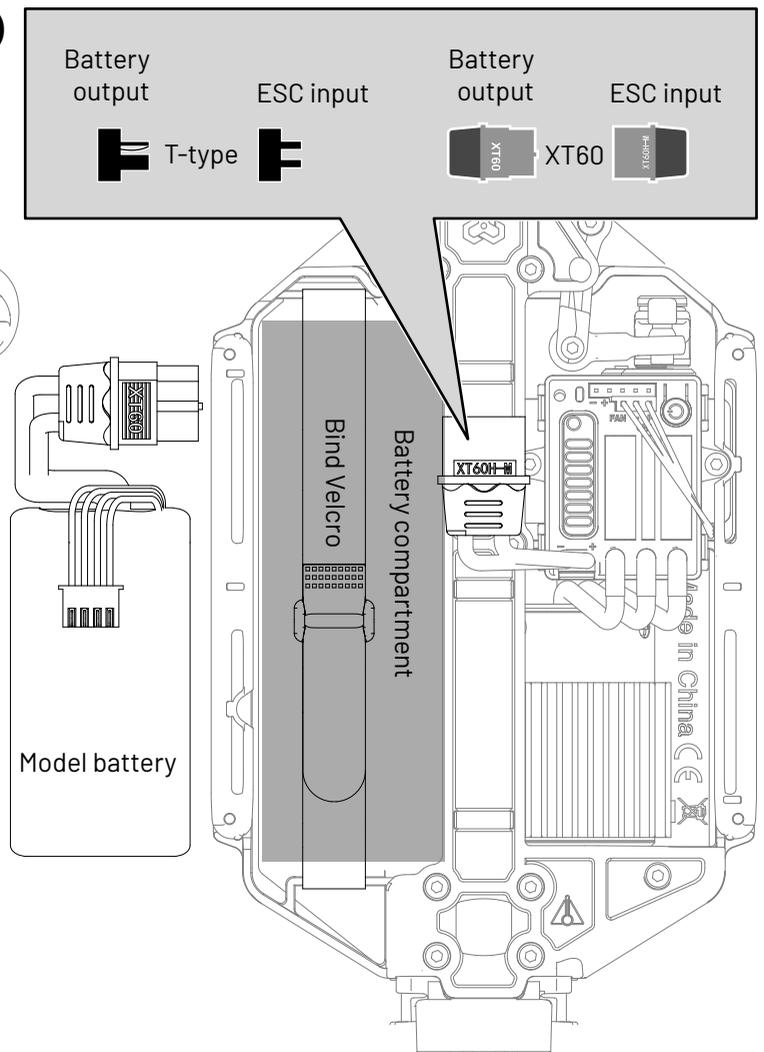
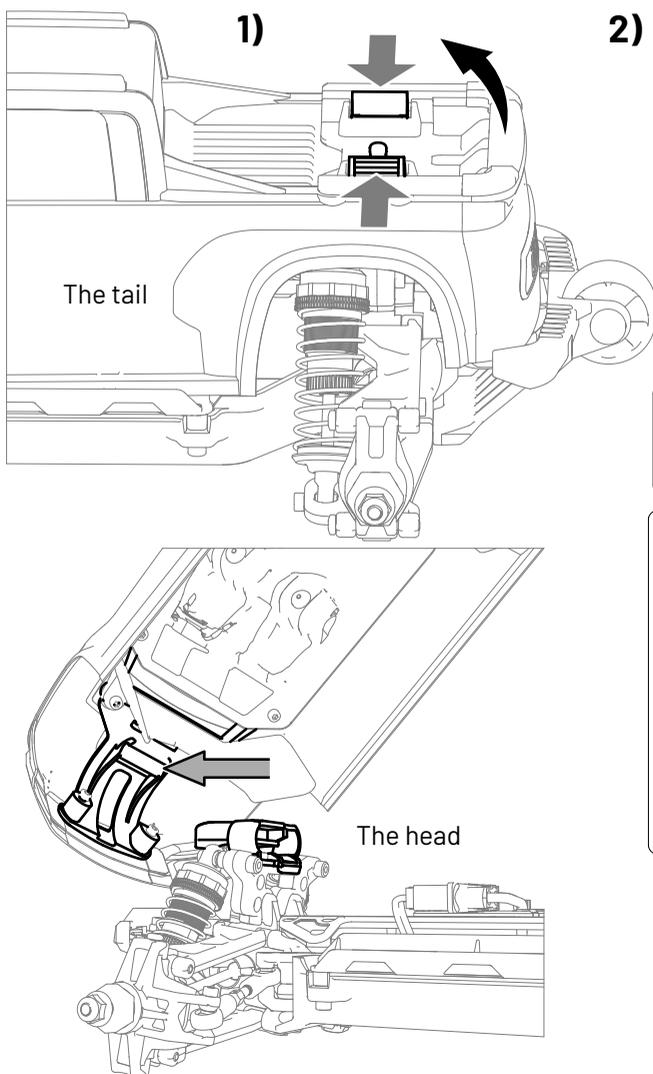


Li-Po Battery Disposal & Recycling

Wasted Lithium-Polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the supplier of your model or your nearest Li-Po battery recycling center.



ASSEMBLY OF MODEL BATTERY



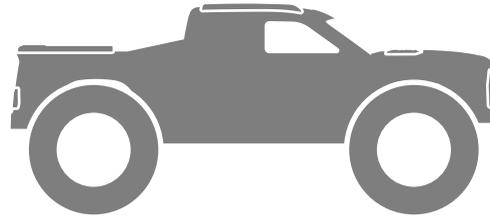
Remove the bodyshell:
Press the rear clip to the inside to free the bodyshell, and lift the bodyshell forward and upward to take out.
Installation the bodyshell:
Insert the front buckle accordingly, and then insert the rear buckle.

Put the battery into the battery compartment, bind the Velcro and then connect with the ESC/SCR. Take out the battery when not in use, otherwise the battery is easily damaged.

FREQUENCY MATCHING

- 1) Power on the transmitter, will sound "di", and the indicator light flashes.
- 2) Turn on the car power. The lights are flashing to enter the frequency state. The transmitter and the car will carry out automatic frequency matching. When the indicator light of the transmitter and the car lights are always on, the frequency matching is successful.

To turn on the vehicle power, please read the SCR/ESC operation manual.



Placed on Horizontal ground

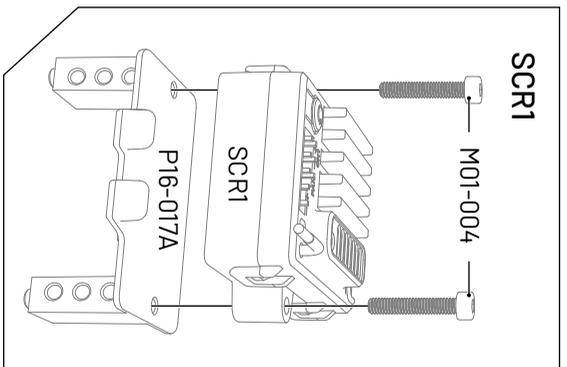
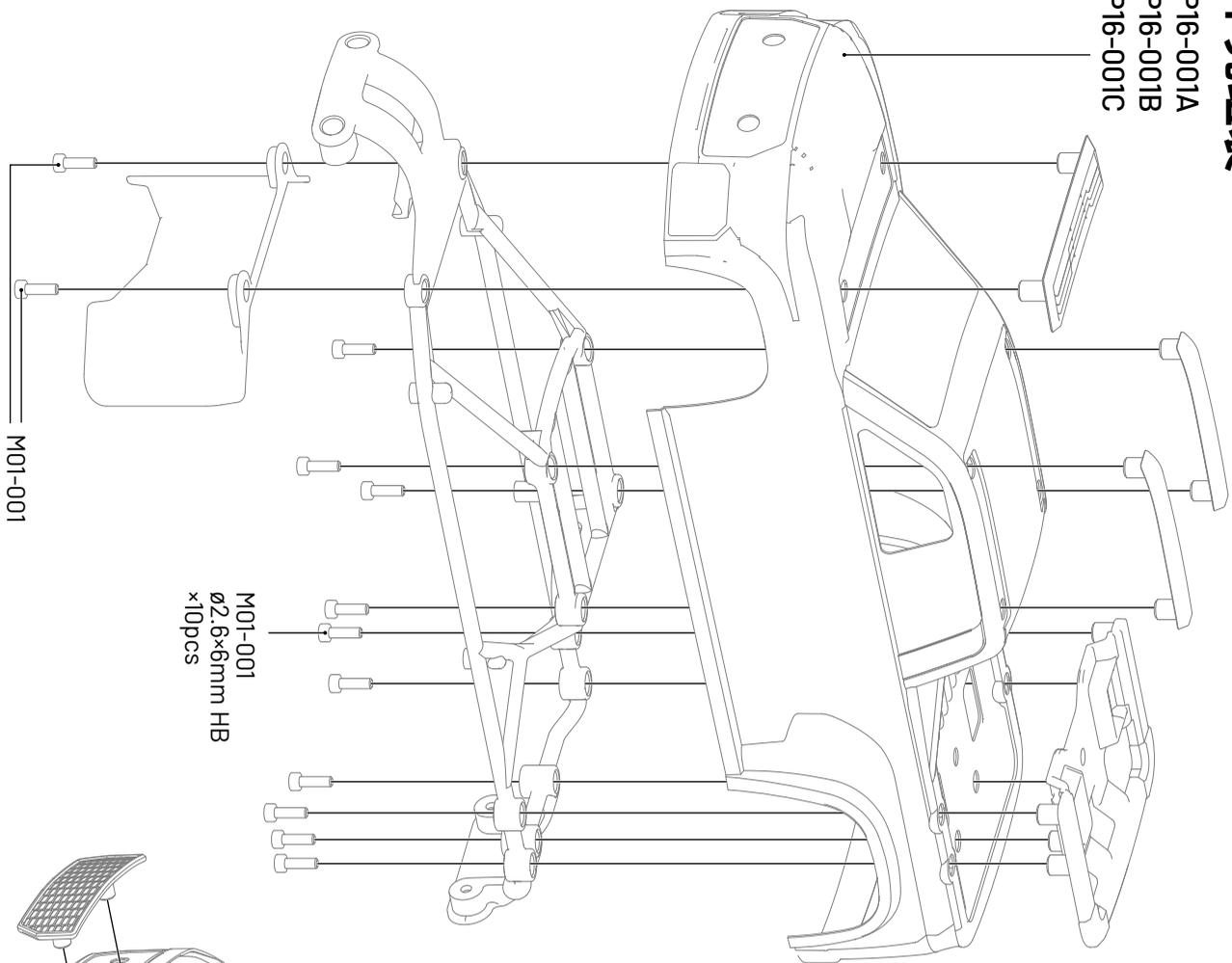
BUYABLE ACCESSORIES

Part#	Name
P16-001A/B/C	Body assembly
P16-002A/B	Wheel
P16-003A/B/C	Wheel anti slip gasket
P16-004A/B	Wheel adapters (Plastics/Metal)
P16-005	Front & Rear wheel carriers
P16-006A/B	Steering linkage (Not adjustable/Adjustable)
P16-007A/B	Universal drive shaft (Plastics/Metal)
P16-008	Suspension arms (Upper)
P16-009A/B	Shock absorber (Plastics/Metal)
P16-010	Suspension arms (Lower)
P16-011	Rear driveshaft (Plastics)
P16-012	Chassis
P16-013	Nerf bars
P16-014	Upper chassis
P16-015	Servo arm set
P16-016	Steering mechanism
P16-017A/B	Servo mounts
P16-018A/B	Main driveshaft (A: 134mm/B: 146mm)
P16-019A//C	Drive bevel gear (Zinc alloy/Powder alloy/Steel)
P16-020A/B/C	Main spur gear (Zinc alloy/Powder alloy/Steel)
P16-021A/B/C	Motor mounts (Zinc alloy)
P16-022A	Motor gear (ø2.3mm, Powder alloy)
P16-022B/C	Motor gear (ø3.175mm, Powder alloy/Steel)
P16-023A	Differential assembly (Zinc alloy, Brushed)
P16-023B/C	Differential assembly (Powder alloy/Steel, Brushless)
P16-024	Butterfly rack
P16-025	Differential housing
P16-026	Front bumper
P16-027	Buffer plate
P16-028	Bumper assembly (Rear)
P16-029	Differential cup (Metal)
P16-030A/B	Sun gear (Zinc alloy/Powder alloy)
P16-031A/B/C	Differential large bevel gear (Zinc alloy/Powder alloy/Steel)
P16-032A/B	Planetary gear (Zinc alloy/Powder alloy)

Part#	Name
S1701	Steering servo (Plastics gear)
S1702	Steering servo (Metal gear)
SCR1	2in1 Speed control & Receiver (Brushed)
ESC45	Electronic speed controller (Brushless)
ESC60	Electronic speed controller (Brushless)
SR5	Receiver (For UA42-C)
UA42-C	Transmitter
M390	Brushed motor
BL2845-38	Brushless motor
BL2845-47	Brushless motor
X4EM-150	Transmitter
P6F	Receiver (For X4EM-150)
LAM16-01	Lamp group (Brushed)
LAM16-02	Lamp group (Brushless)
FUN16-3010	Cooling fans (30×30×10mm)
MBO-TT1274	T-type Model battery (1200mAh)
MBO-XT2074	XT60 Model battery (2000mAh)
MB-XT2274	XT60 Model battery (2200mAh)
UCX24-E005	Charger (For 7.4V battery)
B3	Charger (For 7.4-11.1V battery)
M01-001	Hexagon socket head cap tapping screw (∅2.6×6mm HB)
M01-003	Hexagon socket head cap tapping screw (∅2.6×10mm HB)
M01-004	Hexagon socket head cap tapping screw (∅2.6×12mm HB)
M01-005	Hexagon socket head cap tapping screw (∅2.6×15mm HB)
M01-006	Hexagon socket head cap tapping screw (∅2.6×20mm HB)
M01-010	Hexagon socket head cap machine screw (∅3×8mm HM)
M01-012	Hexagon socket countersunk head tapping screw (∅2.6×8mm KB)
M01-020	Hexagon socket button head machine screw (2.5×15mm TM)
M01-052	Hexagon socket head cap half threaded tapping screw (∅3×4.5+∅2.6×9mm)
M01-053	Hexagon socket head cap half threaded tapping screw (∅3×4.5+∅2.6×16mm)
M01-054	Set screw (∅3×3mm)
M01-056	Hexagon socket head cap machine screw (∅2.5×8mm HM)
M01-057	Hexagonal round head machine screw (2.0×8mm PM)
UCX24-S005	Hexagonal round head machine screw (2.0×6mm PM)
M02-003	M4 hex flanged lock nut
M02-004	Outer hexagonal flange screw (∅2.6×15mm)
M03-007	Ball bearing (∅6.35×∅9.5×3.2mm)
M03-012	Ball bearing (∅8×∅12.7×4mm)
M04-005	Shock absorber copper bushing (∅3×∅6×2mm)
M05-041	Hollow ball (∅5×5.6mm)
M06-014	Pin (∅1.95×9.5mm)
M06-015	Pin (∅2.5×27mm)
M06-016	Pin (∅2.5×38mm)
M06-017	Pin (∅1.8×9mm)
1601-022	Pin (∅1.8×6.8mm)

Body Assembly 车壳组装

P16-001A
P16-001B
P16-001C

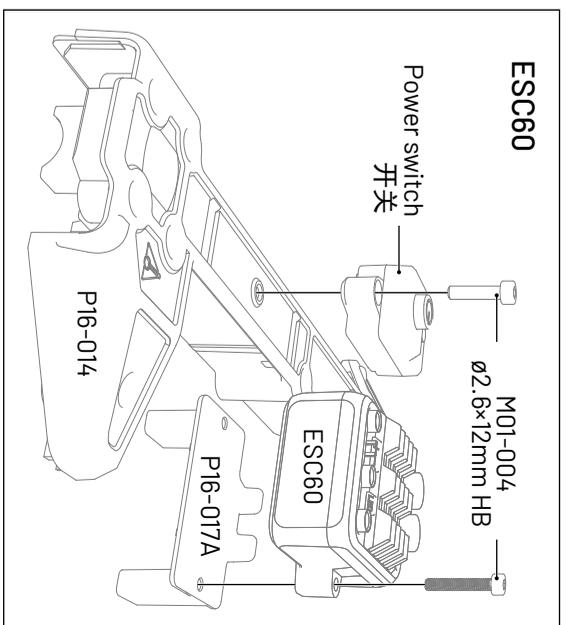
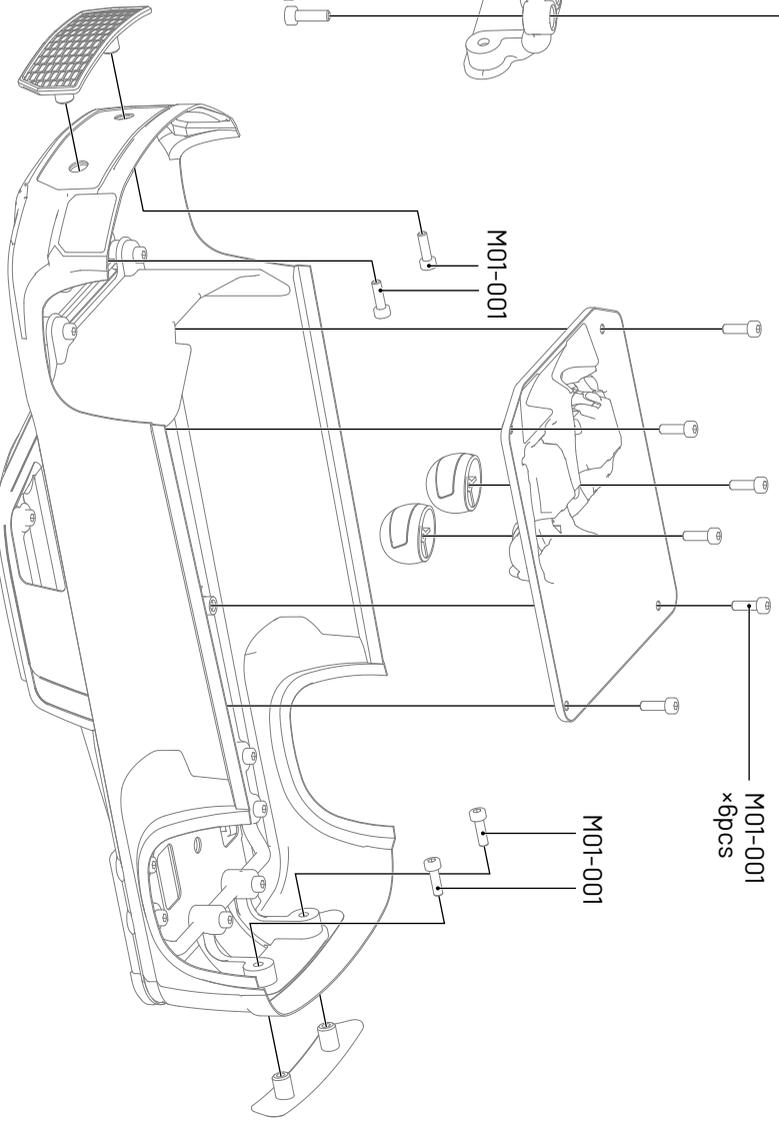


SCR1

M01-004

P16-017A

SCR1



ESC60

M01-004

Power switch
开关

P16-017A

ESC60

P16-014

M01-001
Ø2.6x6mm HB
x10pcs

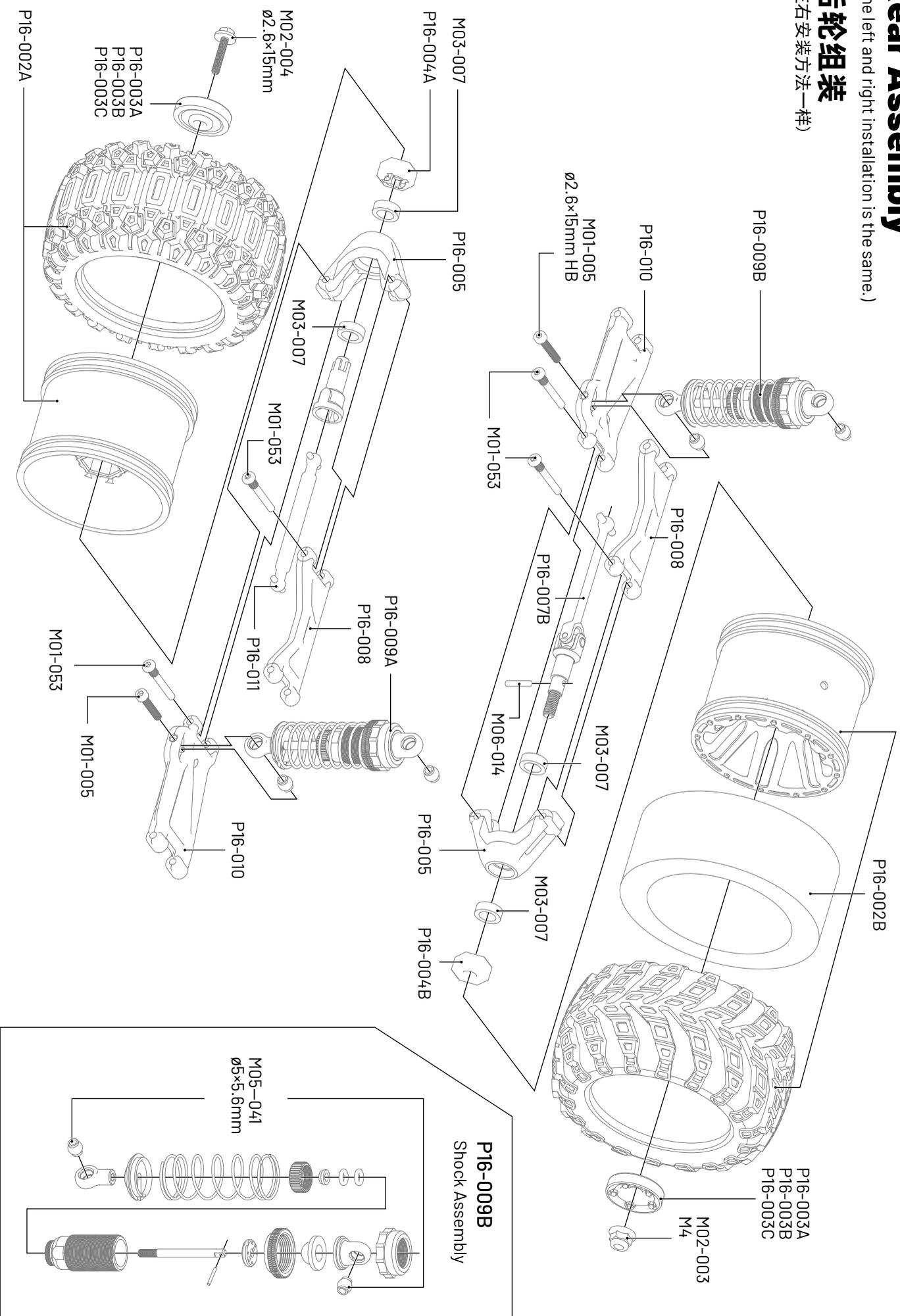
M01-001
x6pcs

Rear Assembly

(The left and right installation is the same.)

后轮组

(左右安装方法一样)



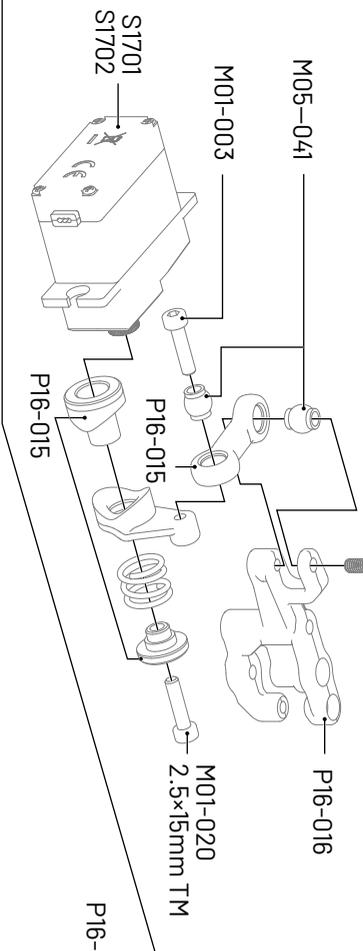
P16-009B
Shock Assembly

Body Assembly

车身组装

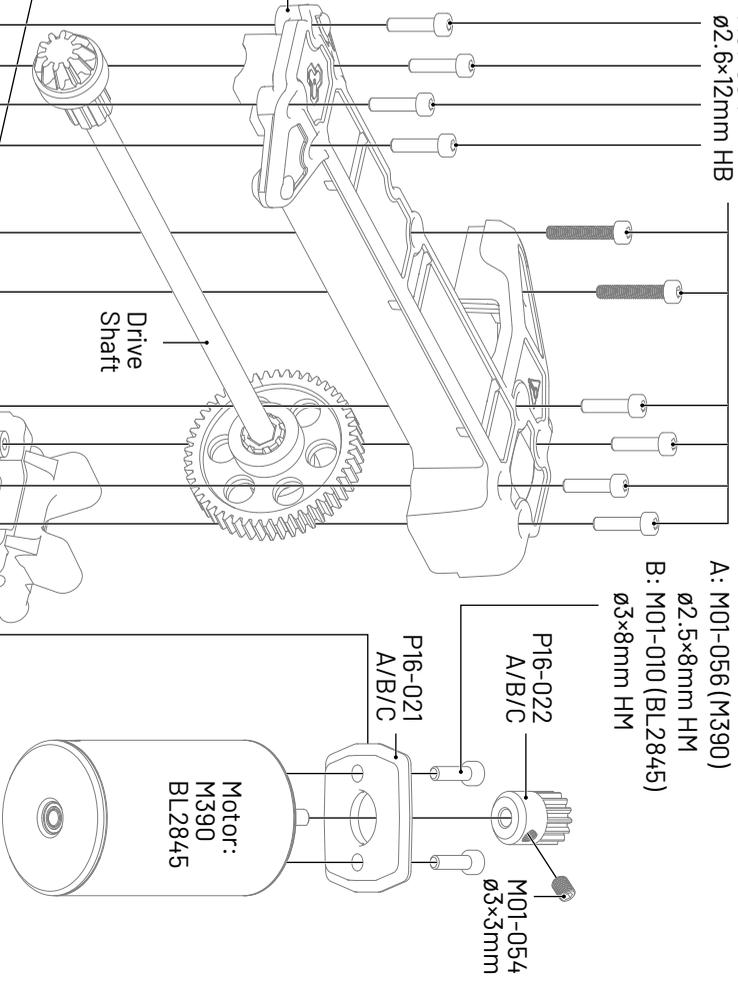
P16-022A: $\varnothing 2.3\text{mm}$
 P16-022B: $\varnothing 3.175\text{mm}$
 P16-022C: $\varnothing 3.175\text{mm}$

S1701/S1702 Steering Assembly

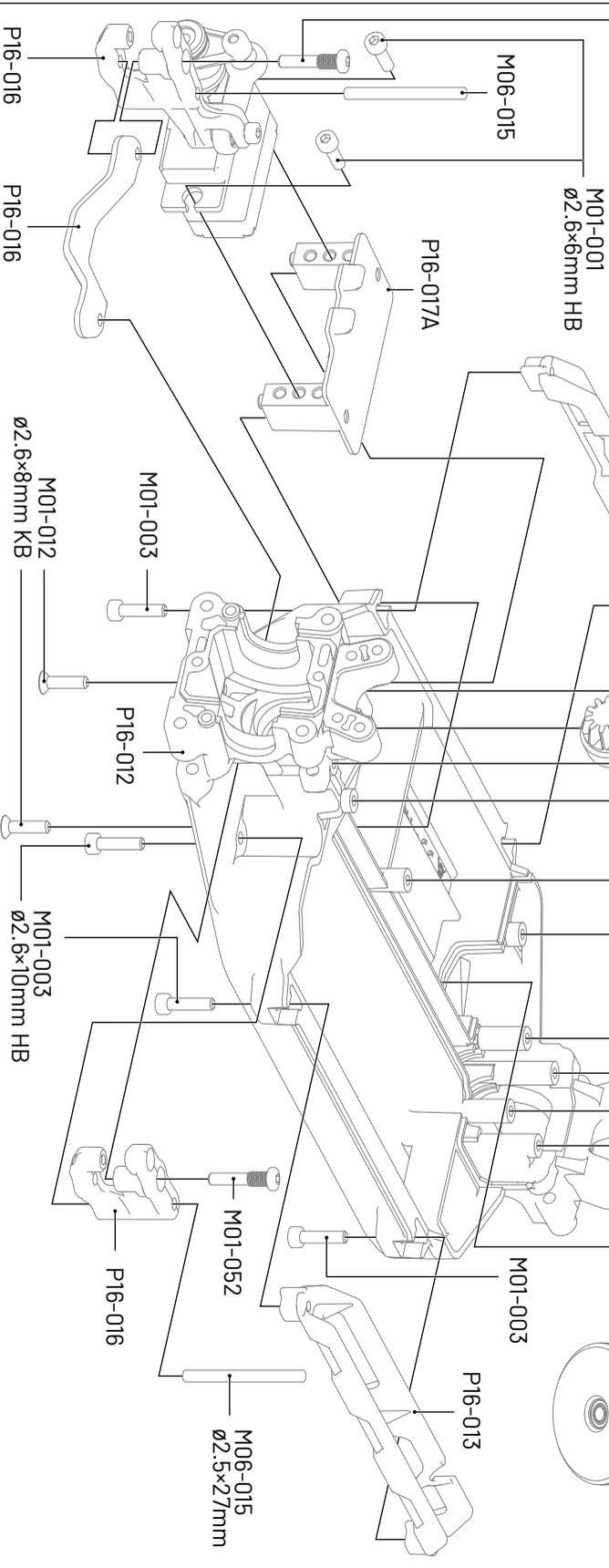
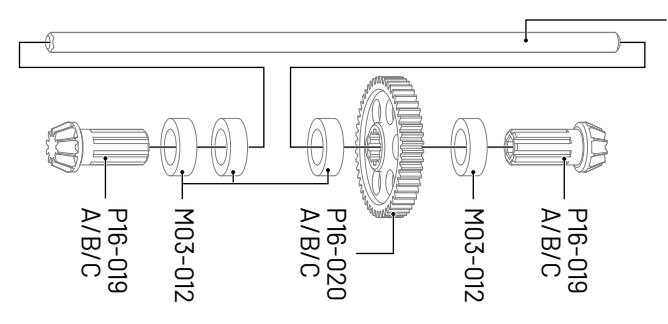


M01-004
 $\varnothing 2.6 \times 12\text{mm}$ HB

A: M01-056 (M390)
 $\varnothing 2.5 \times 8\text{mm}$ HM
 B: M01-010 (BL2845)
 $\varnothing 3 \times 8\text{mm}$ HM



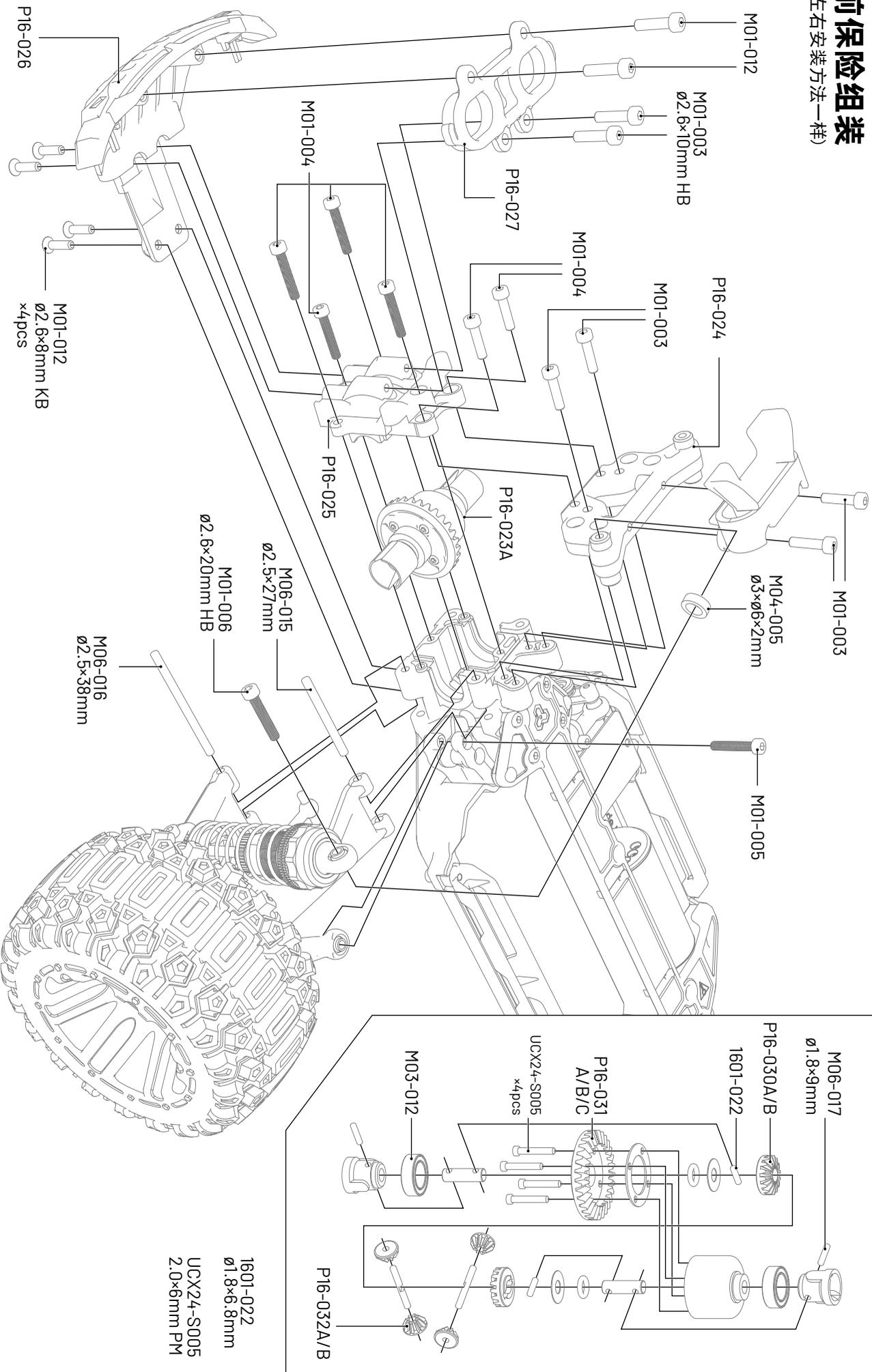
Drive Shaft P16-018A: 134mm P16-018B: 146mm



Front Bumper Assembly

(The left and right installation is the same.)

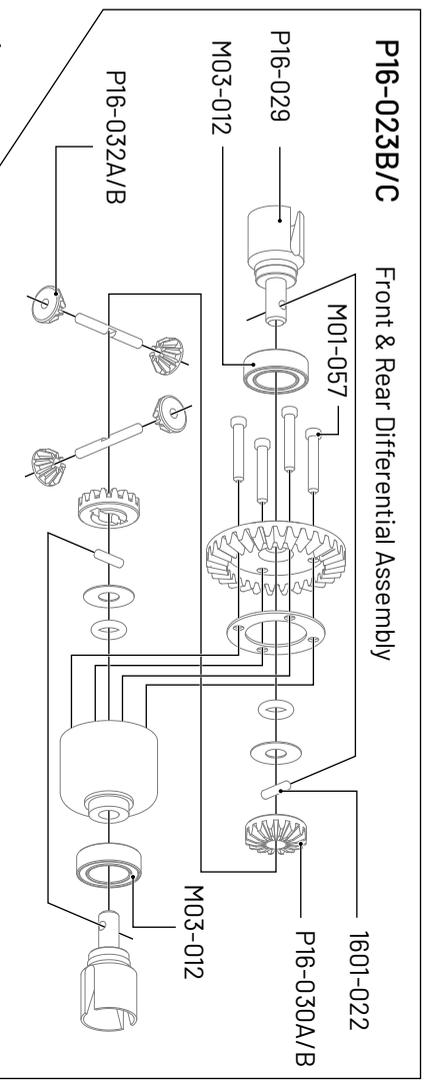
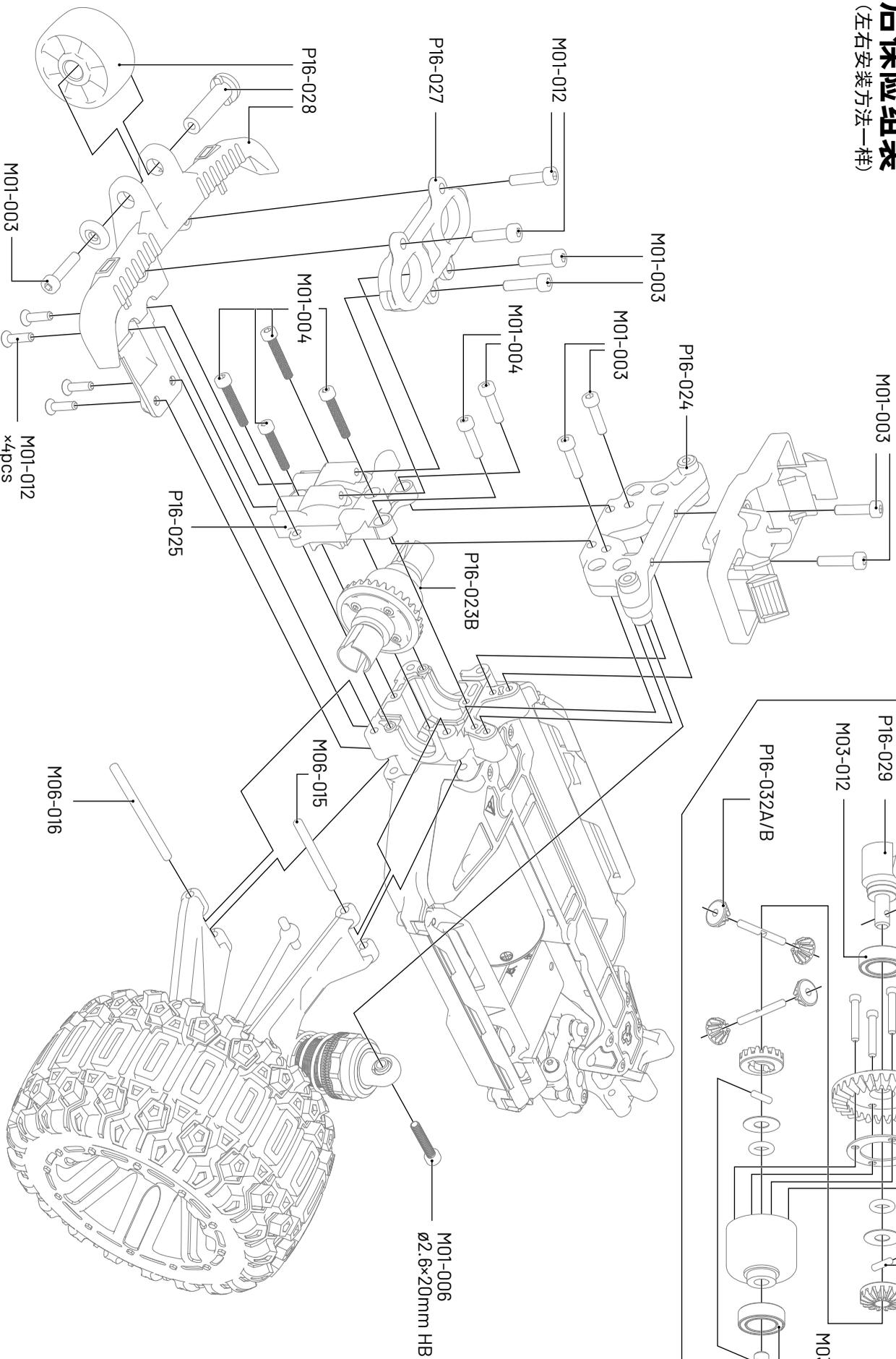
前保险杠组装 (左右安装方法一样)



Rear Bumper Assembly

(The left and right installation is the same.)

后保险杠组装 (左右安装方法一样)



P16-023B:
M01-057
2.0×8mm PM
×4pcs

P16-023C:
UCX24-S005
2.0×6mm PM
×4pcs

M01-006
Ø2.6×20mm HB



Manufacturer: SHANTOU CITY UDIRC TECHNOLOGY CO., LTD
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