

Caution

To prevent serious personal or property damage, always operate this vehicle in a responsible manner. Please retain this manual for reference.

Safety Precautions

- 1.1 This radio-controlled model is not a toy, it is designed for persons 14 years of age or older.
- 1.2 Do not operate your vehicle on unsafe terrain; always pay attention to your surroundings.
- 1.3 Never operate your vehicle on public roadways, around moving people, animals, or operating machinery.
- 1.4 Keep clear of power lines and high-powered radio equipment to minimize radio frequency interference.
- 1.5 Since this vehicle contains small components, it may be a choking hazard for small children. Keep the vehicle and any spare parts out of reach of small children.

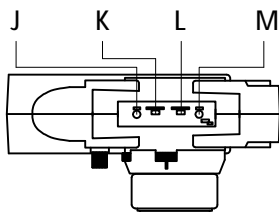
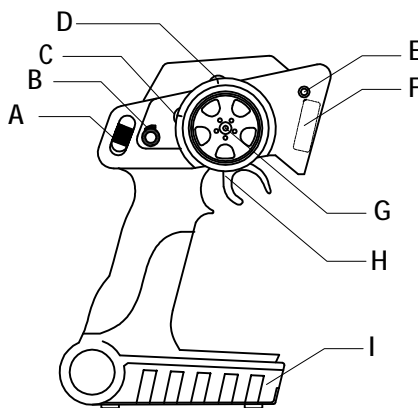
Inspect your radio-controlled model before operation

- 2.1 Ensure that all screws are properly tightened. Use thread-lock to secure any metal to metal contacts- especially for components designed to withstand torque (servo mounts, motor mount, drive shaft grub screws etc.).
- 2.2 Always check the battery voltage for both the transmitter and vehicle prior to operating your vehicle. Keep the batteries fresh in the transmitter and always begin your vehicle runs with a fully charged battery pack.
- 2.3 Always check that the motor and servo are operating smoothly and in the right direction prior to operation. If binding between components is observed, replace parts as necessary to reduce possibility of component or servo damage.
- 2.4 To turn on your vehicle, always power on your transmitter first, then power on your receiver.

After operating your radio-controlled model

- 3.1 To turn off the vehicle, always power off your receiver prior to powering off your transmitter.
- 3.2 Use caution when handling the vehicle- components, especially the ESC and motor which will be hot after operation.
- 3.3 Never use battery packs which are dented or otherwise damaged. Ensure that the wire insulation is intact and that connectors are properly soldered. Lithium batteries can become fire hazards if mishandled.

Radio system instructions



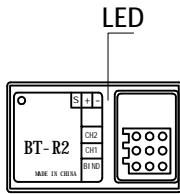
- A. On/Off switch: Ensure that the throttle and steering channels are at their neutral position prior to turning on the transmitter.
- B. Steering rates: Increases or decreases the maximum steering servo deflection.
- C. Throttle trim: Adjusts the neutral position of the throttle output.
- D. Steering trim: Adjusts the neutral position of the steering servo.
- E. Bind button: Used for binding the transmitter to the receiver.
- F. Antenna: An internal 2.4GHz antenna is located at this position.
- G. Steering wheel: Proportional control for the steering servo.
- H. Throttle trigger: Proportional control for the ESC and motor output.
- I. Battery compartment: Accepts 4x "AA" batteries.
- J. Power LED: Flashes when battery voltage is low.
- K. Steering reverse: Reverses the direction of travel for the steering servo.
- L. Throttle reverse: Reverses the direction of travel for the motor output.
- M. Bind LED: Flashes during the binding process.

Transmitter Specifications

- Intended use: Surface vehicles
- Number of channels: 2
- Frequency: 2.4GHz ISM Frequency range
- Spread spectrum mode: Frequency hopping spread- spectrum (FHSS)
- Modulation format: FSK/GFSK
- Output power: <100mW
- Operating current < 150mA
- Resolution: 1024uS
- Proportional throttle and steering controls
- Steering servo dual rates
- Throttle EPA
- Low voltage warning
- Fail safe protection
- Certificates: CE/FCC

Caution

Do not obstruct the antenna cover as it may reduce the operating range of the radio system.



Connections

"CH2": Throttle channel

"CH1": Steering servo

"BIND": Bind plug or external power input

Receiver parameters:

- Intended use: Surface vehicles
- Channels: 2
- Frequency: 2.4GHz ISM Frequency range
- Spread spectrum mode: Frequency hopping spread- spectrum (FHSS)
- Modulation format: FSK/GFSK
- Resolution: 1024
- Sensitivity: -97dBm
- Input voltage: 4.8-6.0V
- Certificates: CE/ FCC

Safety guide

- Do not cover the antenna housing on the transmitter with your hand or other materials during operation as it may affect the effective range of the radio system.
- Disconnect the motor from the ESC when performing the bind process.
- If using an independent receiver battery, always ensure that the battery pack is fully charged prior to operation.
- Do not expose the radio system to direct contact with moisture. Excessive humidity may decrease the range of the radio and irreversibly damage sensitive electronic components.

Transmitter/Receiver Binding

- Insert the binding cable into the BIND port of the receiver.
- Turn on the receiver and the LED should flash quickly, indicating the receiver is in binding mode.
- Press and hold the BIND button on the transmitter, then Turn on the transmitter. The BIND LED of the transmitter should flash, indicating the transmitter is in binding mode.
- After binding is completed, the LED of transmitter and receiver should change to solid GREEN. Otherwise, repeat the above operation again.

Radio system bind process:

1. Disconnect the motor from the ESC.
2. Insert the bind plug into the "BIND" port of the receiver.
3. Turn on the receiver. The status LED on the receiver should flash rapidly- indicating that the unit has entered the bind process.
4. Press and hold the BIND button on the transmitter. While holding the bind button, power on the transmitter using the ON/OFF switch. The BIND LED on the transmitter will flash, indicating the transmitter has entered the bind process.
5. The transmitter should now pair automatically to the receiver. The transmitter and receiver LEDs should turn solid green once the bind process has been completed.
6. Remove the bind plug then power off the receiver and transmitter. Connect the motor to the ESC prior to powering the system on again.
7. Should the bind process fail, repeat steps 2-5.

Setting the Fail-safe function (F/S)

In the unlikely event of radio-loss, the fail-safe function built into this radio system will give a preset output value to the throttle channel until the receiver receives further signals from the transmitter.

To set the fail-safe,

1. Turn on the transmitter, then the receiver
2. Insert the bind plug into the BIND port on the receiver
3. After 2 seconds, the status LED on the receiver will flash quickly, indicating that it is ready for a Fail-safe value.
4. Return the throttle trigger to its neutral position
5. Remove the bind plug from the BIND port
6. Fail-safe setting complete

User Manual of Water-Proof Brushed Speed Controller (RTR Version)

ESC User manual (RTR Version)

The electronic speed controller (ESC) that is included with the ready-to-run (RTR) set is a high quality, water resistant electronic component that interprets the throttle signal from the receiver and powers the motor accordingly. As the power system in this vehicle can be damaged if used incorrectly, it is vital for the user to read and study the following section very carefully. In that we have no control over the correct use, installation, application, or maintenance of our products, no liability shall be assumed nor accepted for any damages, losses or costs resulting from the use of the product

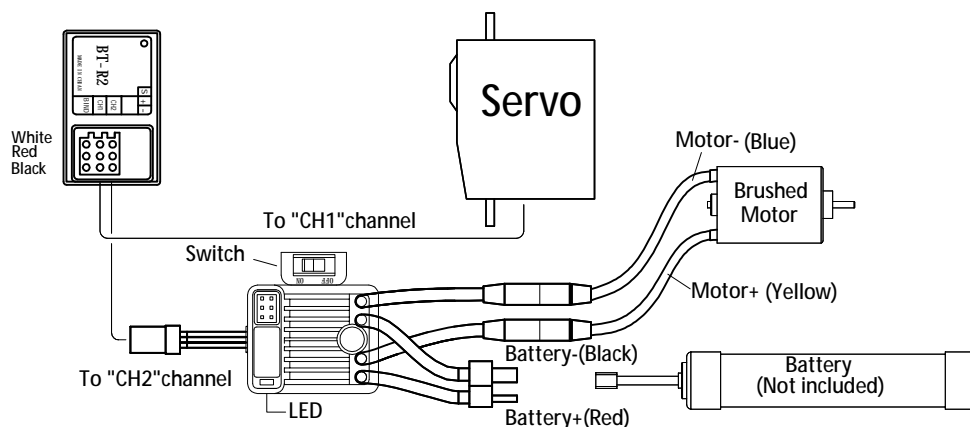
【FEATURES】

1. Weather-proof and dust-proof design ensures increased durability
2. Compact size with built-in capacitor
3. Automatic throttle-range calibration
4. Multiple system protection: Low voltage cutoff for LiPo and NiMH batteries; Temperature protection; Throttle signal loss protection.
5. Easily programmable using included jumpers.

【SPECIFICATIONS】

Model		WP-1060-BRUSHED	
Cont./Burst Current		Forward: 60A / 360A	Backward: 30A / 180A
Input		2-3S Lipo, 5-9 Cells NiMH	
Motor Limit	2S Lipo 5-6 cells NiMH	540 or 550 size motor \geq 8T or RPM $<$ 45000 @7.2V	
	3S Lipo 7-9 cells NiMH	540 or 550 size motor \geq 13T or RPM $<$ 30000 @7.2V	
Resistance		Fwd: 0.0008 Ohm, Bwd: 0.0016 Ohm	
Built-in BEC		3A/6V (Switch mode BEC)	
Dimension & Weight		36*30*18, 40g	

【SETUP INSTRUCTIONS】



1. Connect the ESC, motor, receiver, battery and servo according to the diagram above. Pay careful attention to the polarities of all plugs and cables. If the polarity of the battery is reversed, the ESC can become permanently damaged. The polarity of the motor cables may be switched, this will reverse the direction in which the motor rotates.
2. Transmitter settings:
 - Please set the throttle rates, ATL and EPA to 100% to give the throttle channel maximum travel range, where applicable.
 - Set the throttle trim to neutral
 - Reverse the throttle channel on Futaba radios; for all other radios, set the throttle channel reverse to "NOR" or Normal.
 Set the fail-safe function. Refer to the instructions listed in this manual.

3. Throttle Range Setting (Throttle Range Calibration)

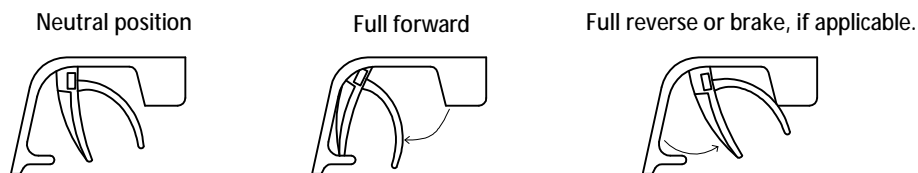
In order to make the ESC match the throttle range of different transmitters, the calibration of the ESC is necessary. To calibrate the ESC, please turn on the transmitter, keep throttle stick at its neutral position, wait for 3 seconds to let the ESC execute self-test and automatic throttle calibration.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

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

【AUDIO AND VISUAL CUES】

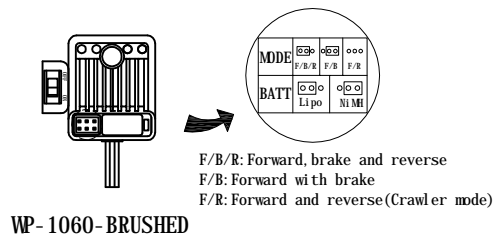
Audio (Beeps)	Visual (LED)
1 short "Beep": NiMH/NiCd battery detected 2 short "Beeps": 2S LiPo detected 3 short "Beeps": 3S LiPo detected 1 long "Beep": Self-test and throttle calibration completed, ESC is now functional	LED Off: Throttle is in neutral range LED Blink: Partial throttle, brake or reverse detected. LED Solid: Full throttle

【THROTTLE TRIGGER POSITION】



【ESC CONFIGURATION】

The ESC is programmed using jumpers. It is recommended that tweezers are used to remove or insert the jumpers.



【PROTECTION FUNCTIONALITY】

1. Low voltage cut-off (LVC) protection: If the voltage of the battery pack is lower than the preset thresholds for the detected battery type and remains lower for more than 2 seconds, the ESC will enter protection mode; the ESC will provide no power to the motor regardless of throttle position, but still provide power to the receiver to maintain steering functionality. The red LED will blink to indicate that the ESC has entered into protection mode.

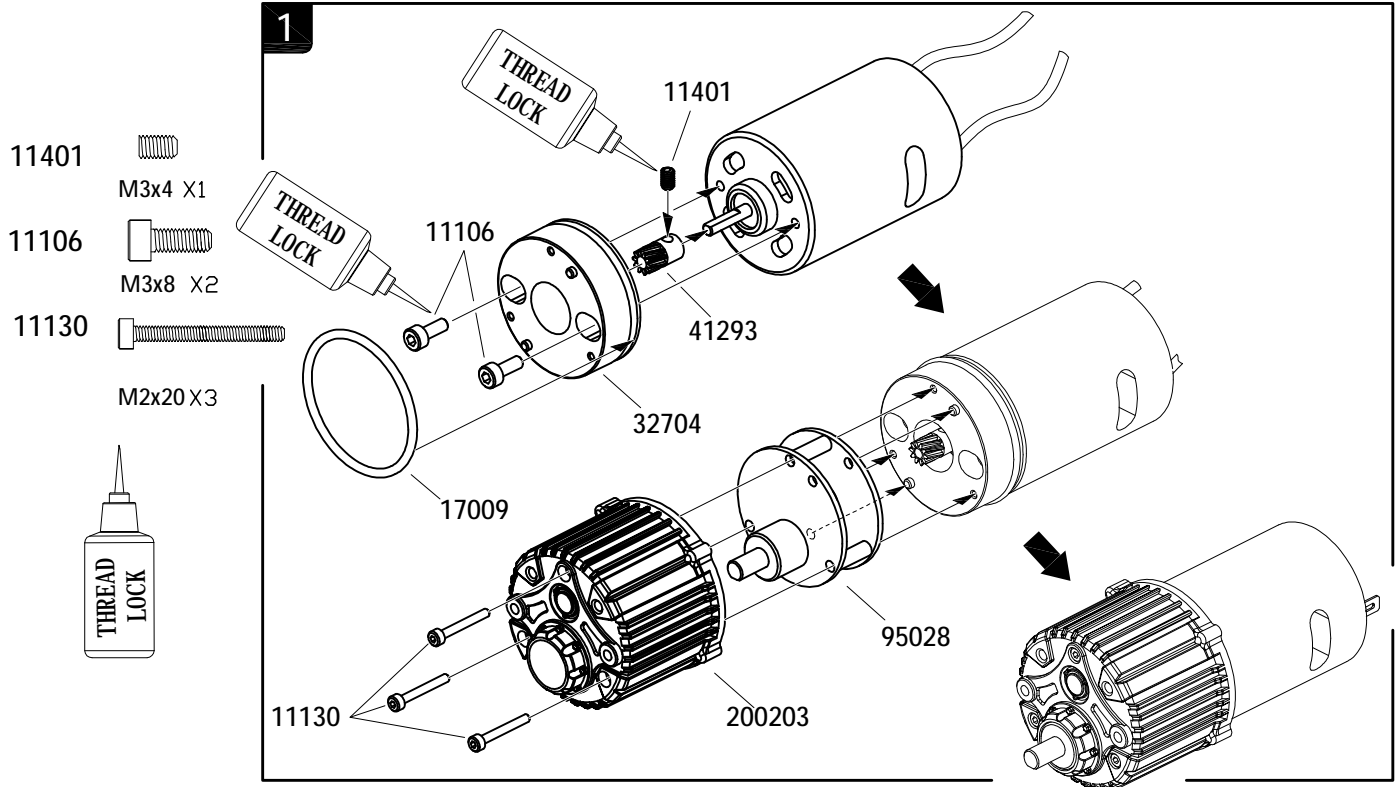
LVC protection for WP-1060-BRUSHED, (F/B/R or F/B mode).

2S LiPo	3S LiPo	5-9 cells NiMH
Output reduces 50% at 6.5V Output cuts off at 6.0V, cannot be recovered	Output reduces 50% at 9.75V Output cuts off at 9.0V, cannot be recovered	Output reduces 50% at 4.5V Output cuts off at 4.0V, cannot be recovered

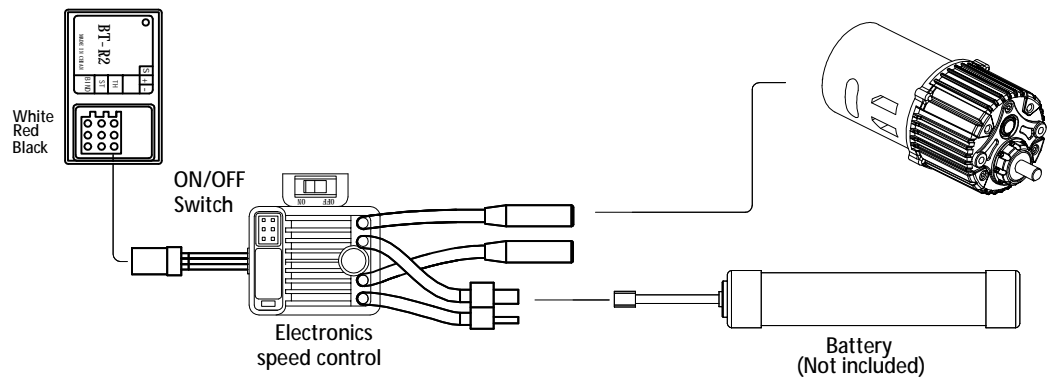
2. Over-heat protection: When the ESC detects an internal temperature in excess of 100 degrees Celsius or 212 degrees Fahrenheit for more than 5 seconds, the ESC will first reduce then cut-off power to the motor. The red LED will blink to indicate that it has entered protection mode. As the ESC cools to a temperature lower than 80 degrees Celsius or 178 degrees Fahrenheit, the ESC will resume normal functionality.
3. Throttle signal loss protection: The ESC will terminate motor output if the throttle signal is lost in excess of 0.1 seconds. This function is not a replacement for the fail-safe functionality of the radio system. The radio fail-safe function should always be used in conjunction with the built-in protection of the ESC.

【TROUBLE SHOOTING】

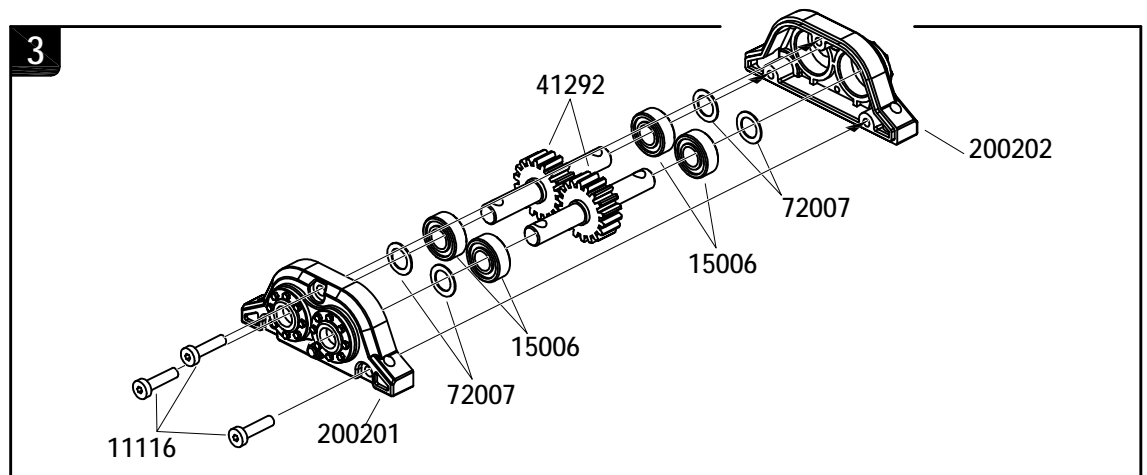
Symptom	Possible causes	Possible solutions
The ESC switch is "ON" but the motor does not function, no sound is emitted, and the LED is off	The ESC is not receiving adequate voltage. Connection between the battery and ESC is lost	Check battery voltage; check wires and connectors for a bad connection.
	Switch is damaged.	Replace the switch.
The ESC LED blinks but the motor does not function.	Throttle signal is abnormal.	Check that the throttle cable is plugged into the throttle port
	Automatic throttle range calibration has failed.	Set the throttle trim to its neutral position and ensure that the physical throttle is at its neutral position.
The motor turns in a direction opposite to the throttle input.	Motor polarity is reversed.	Swap the two wires that connect the ESC to the motor.
The truck is unable to reverse.	The jumper position is incorrect.	Check the jumper and insert it into the correct position.
	The neutral point of the throttle channel has changed.	Set the throttle trim to 0 then perform an automatic calibration.
The truck can only move in reverse	The reverse function of the throttle channel is incorrect.	Reverse the throttle channel from NOR to REV or from REV to NOR.
The motor does not function despite correct LED signals	The connection between the ESC and motor is broken.	Check the connection between the ESC and motor.
	Motor is damaged.	Replace motor.
Abrupt motor stop during normal operations	The throttle signal is lost.	Check the radio system for possible signal loss; check the receiver/ESC connection.
	Low voltage cutoff protection or Over-heat protection has been activated (Check LED)	Replace battery pack or wait until system cools to a safe temperature.
The motor does not reach full operational speed and the LED does not stay solid at full throttle	Transmitter setting is incorrect or ESC requires recalibration	Confirm that the D/R, EPA, ATL settings are at 100% where applicable. Set throttle trim to its neutral position.
Motor cogs when accelerating quickly	The battery has inadequate discharge capability.	Change to a higher discharge-rate battery.
	Motor RPM is too high or the gear ratio is too aggressive.	Change to a lower RPM motor or a lower gear ratio.
	Drive system damage.	Check drive system for damage.

**2****Stop:**


Test the gear mesh by connecting the ESC to the motor/gearbox assembly. If the gearbox is not operating smoothly or is creating excess noise, check the gear mesh prior to proceeding to the next step.

**3**

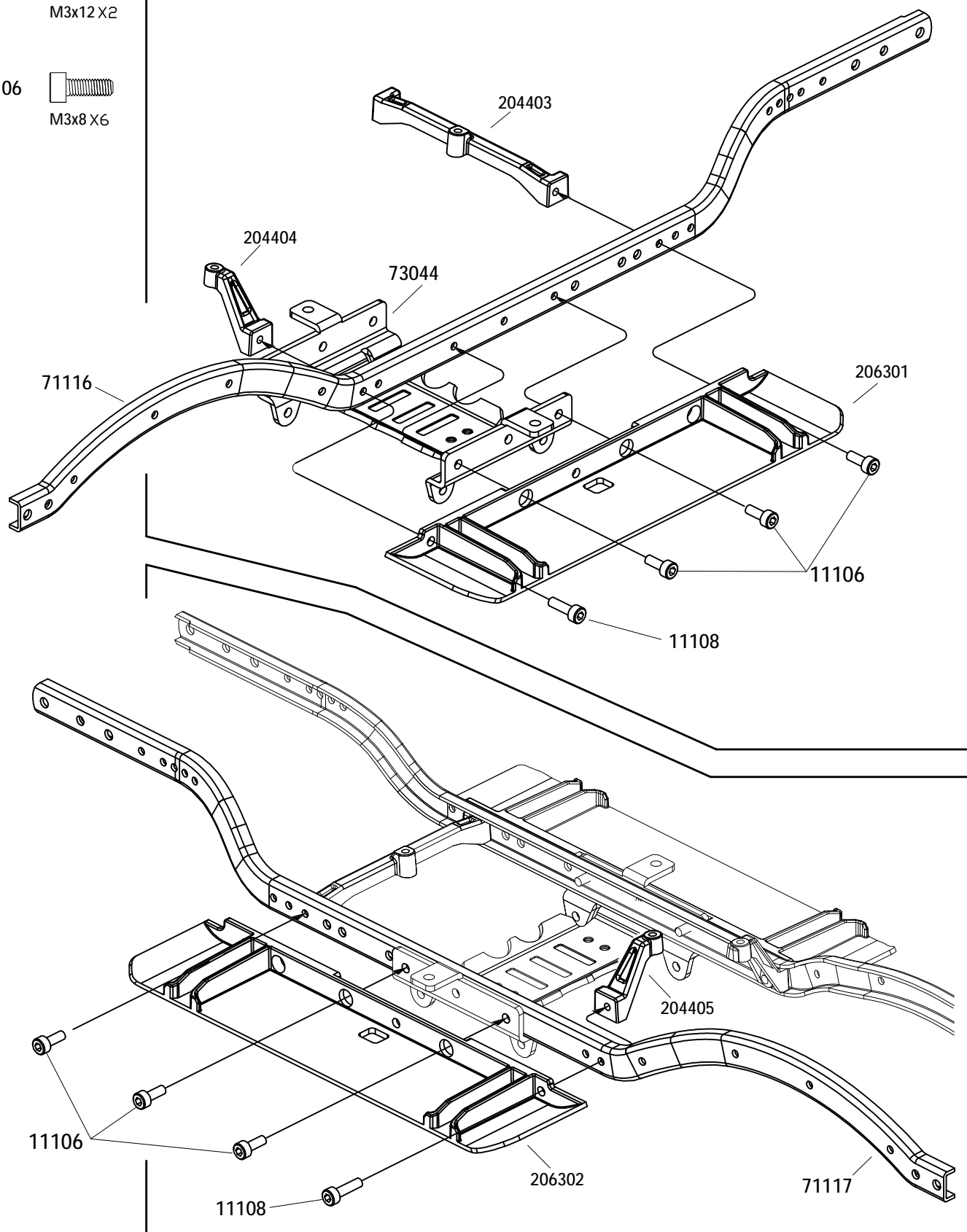
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15006 $\phi 5 \times \phi 11 \times 4$ X4
72007 $\phi 5 \times \phi 8 \times 0.3$



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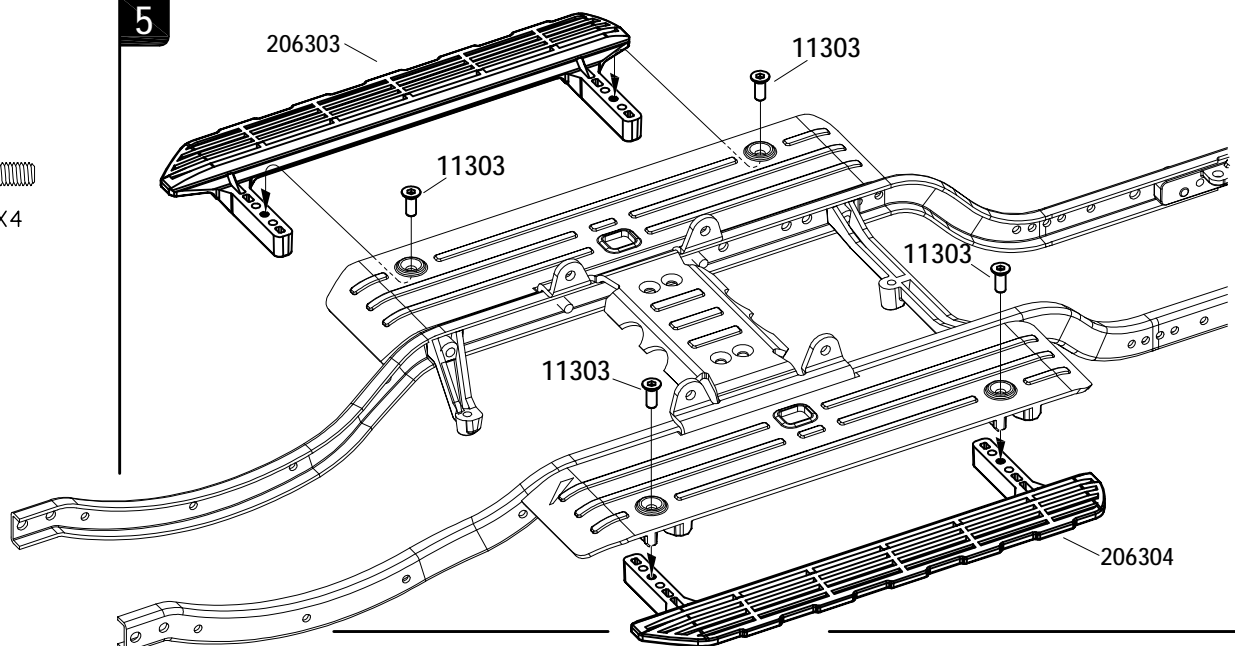
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11106 
M3x8 X6



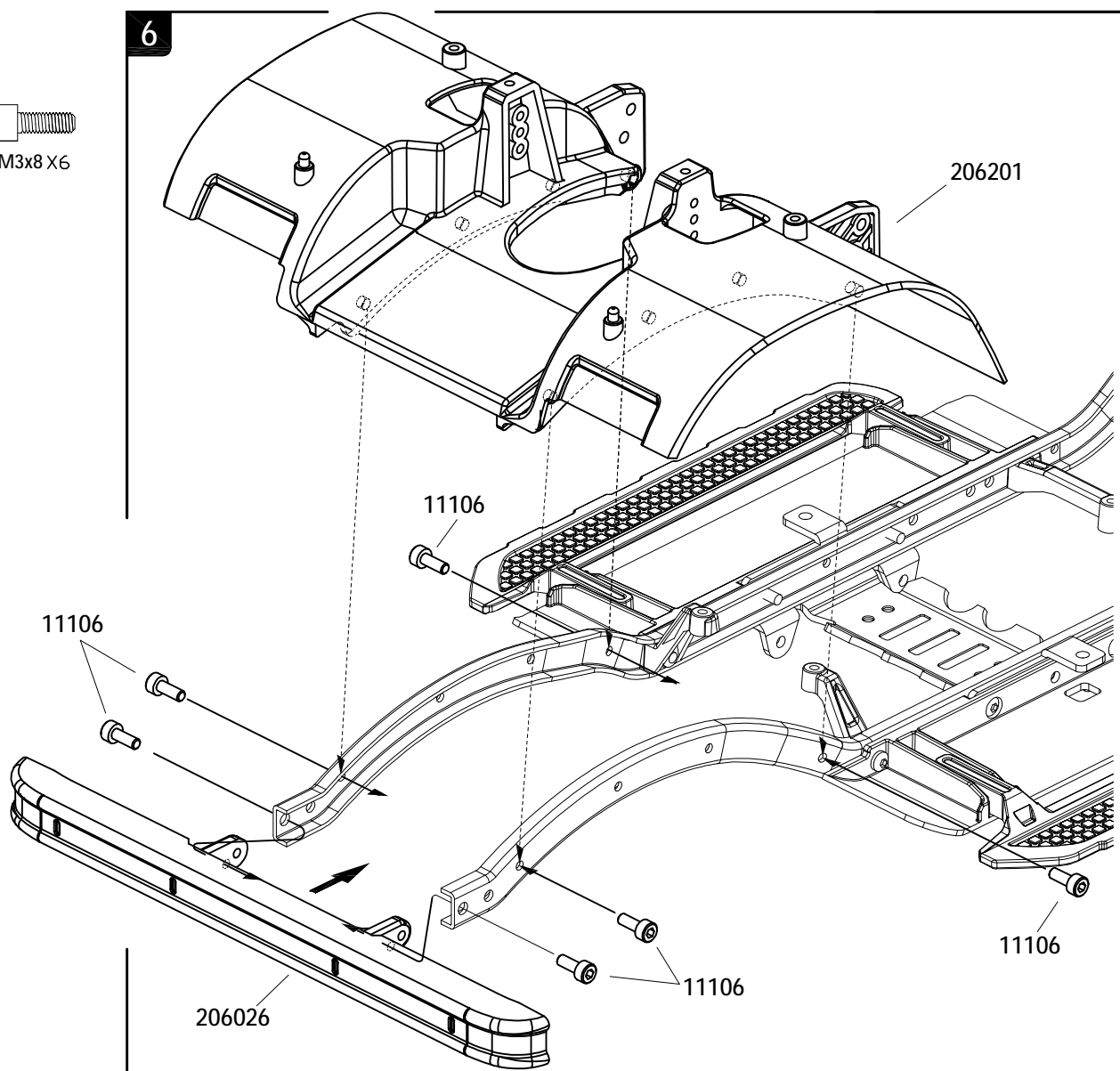
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M3x8 X4



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11106
M3x8 X6



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11303

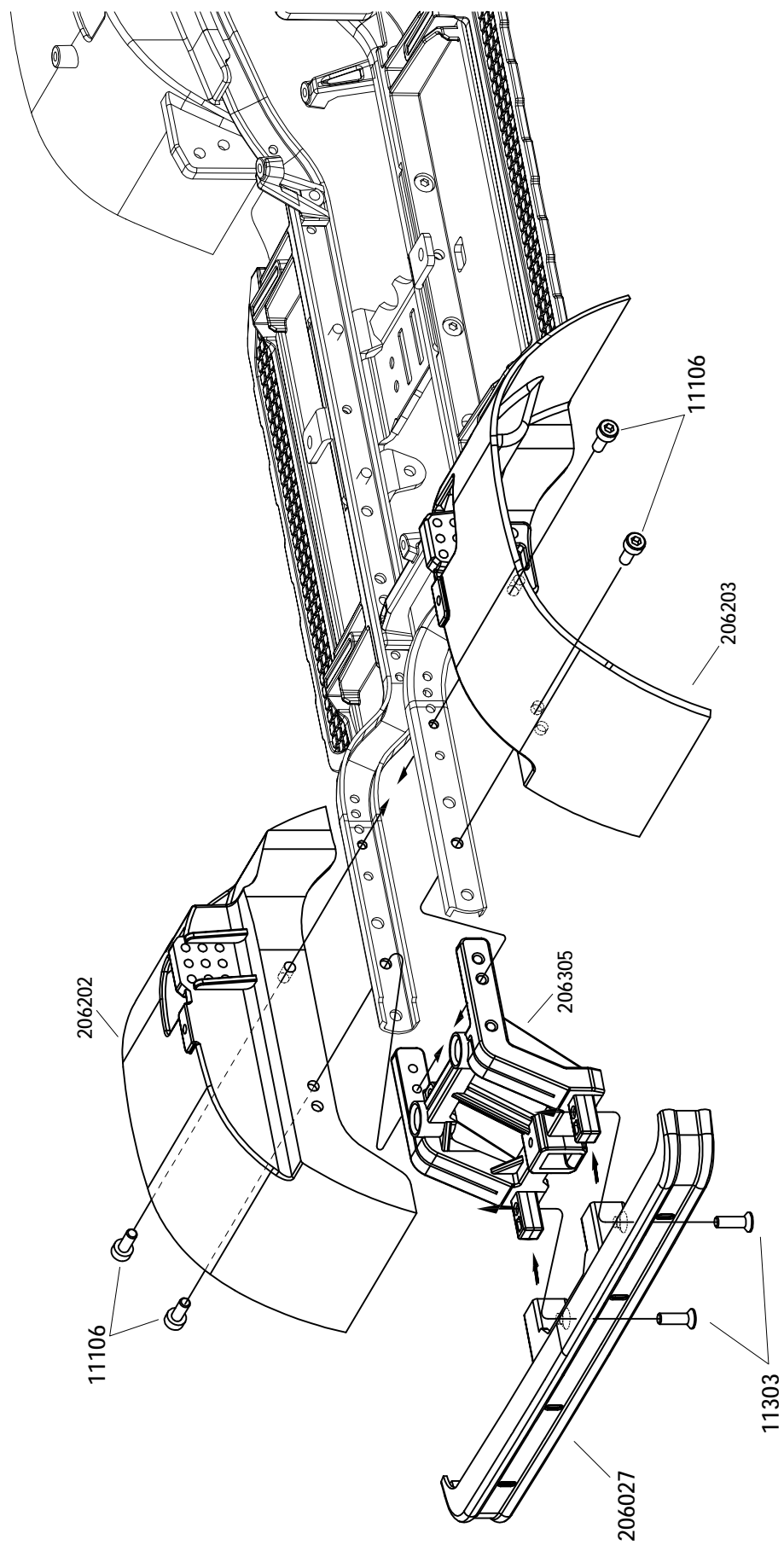


M3x8 X2

11106

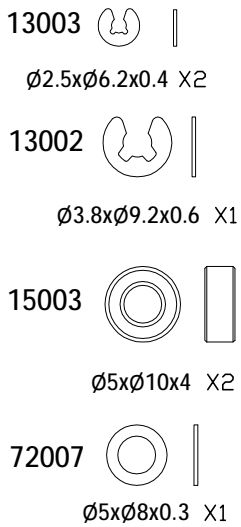
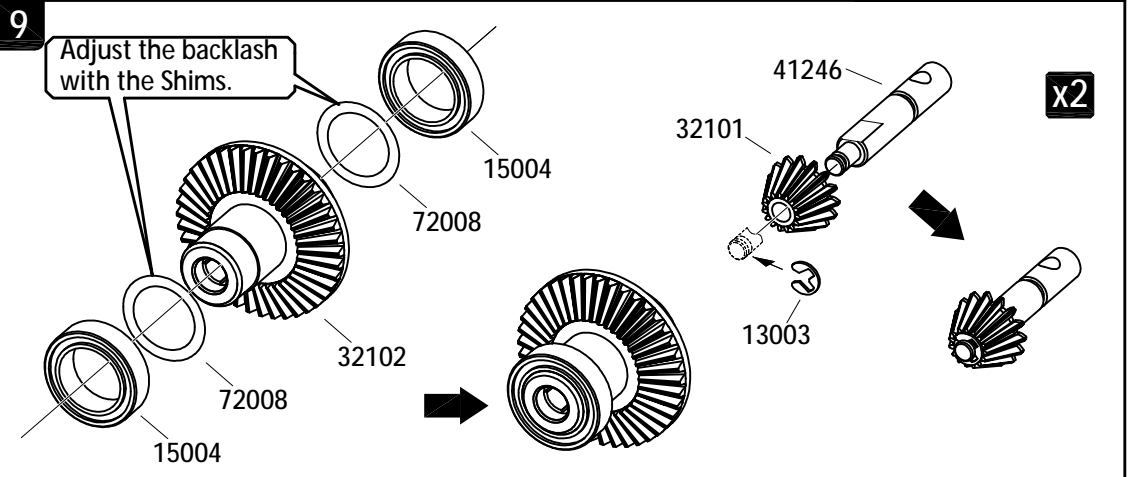
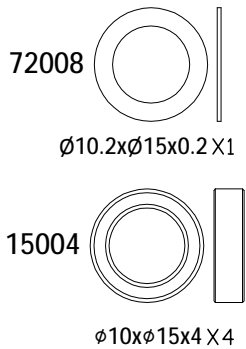


M3x8 X4

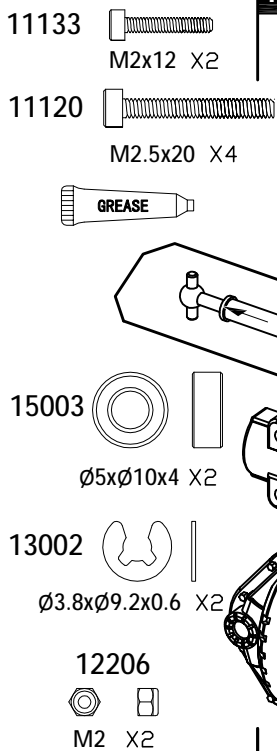
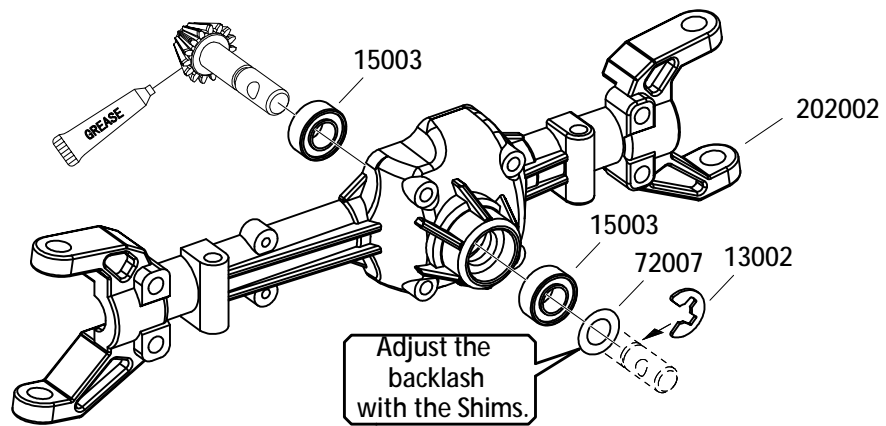


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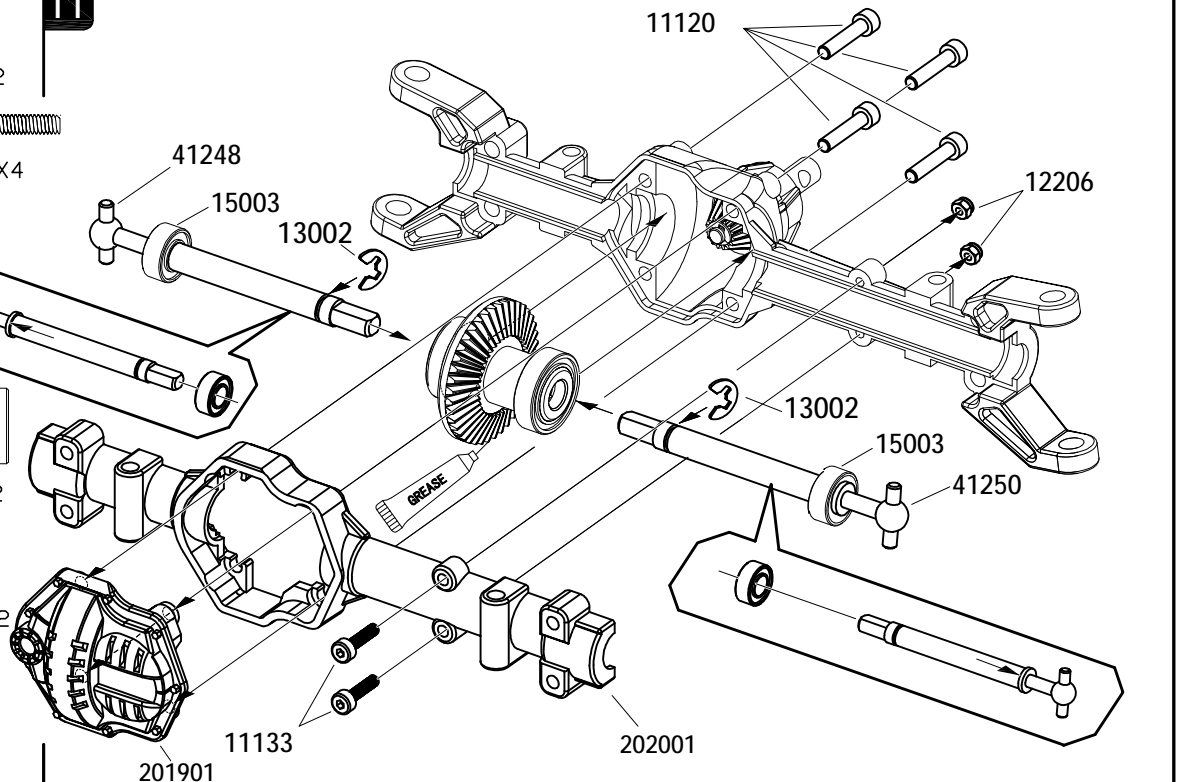
Adjust the backlash with the Shims.



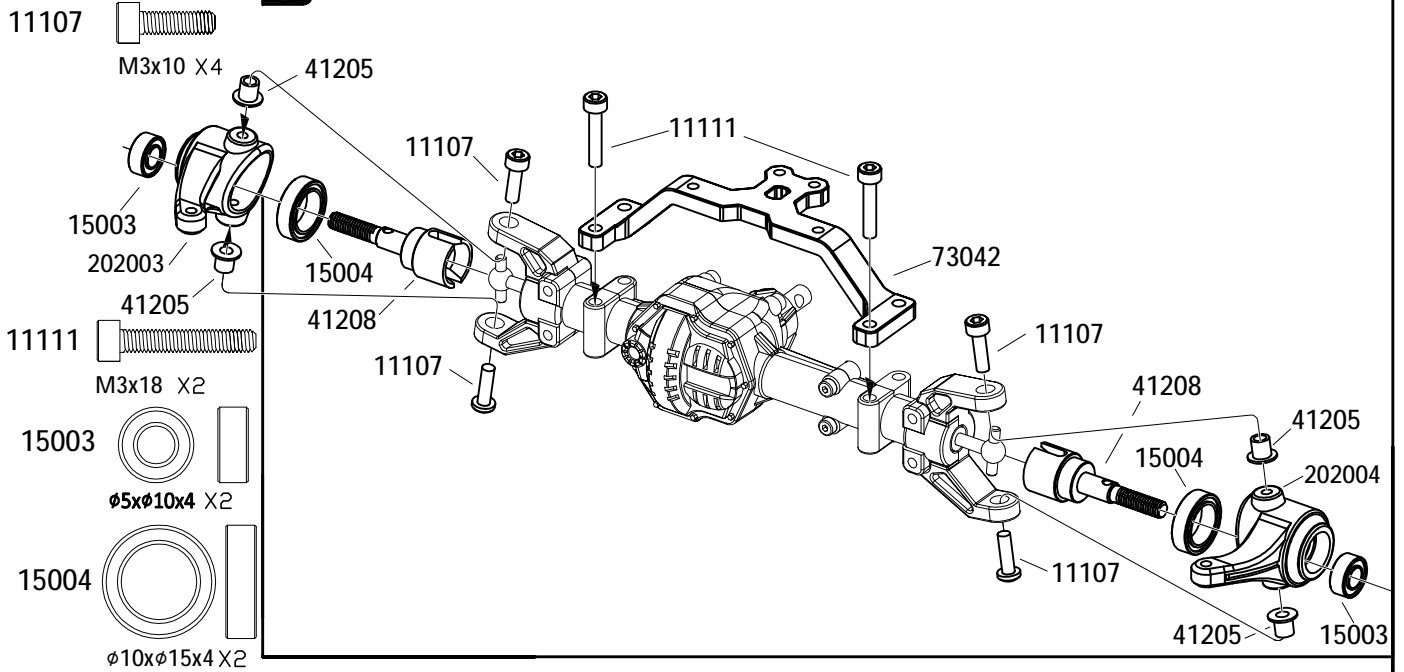
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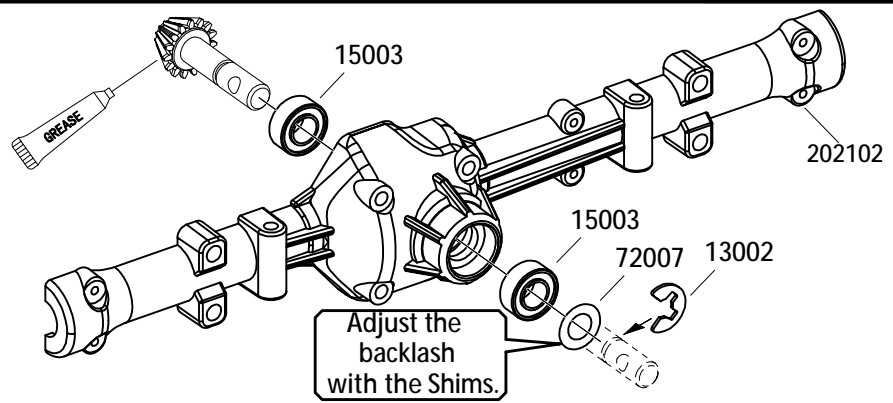


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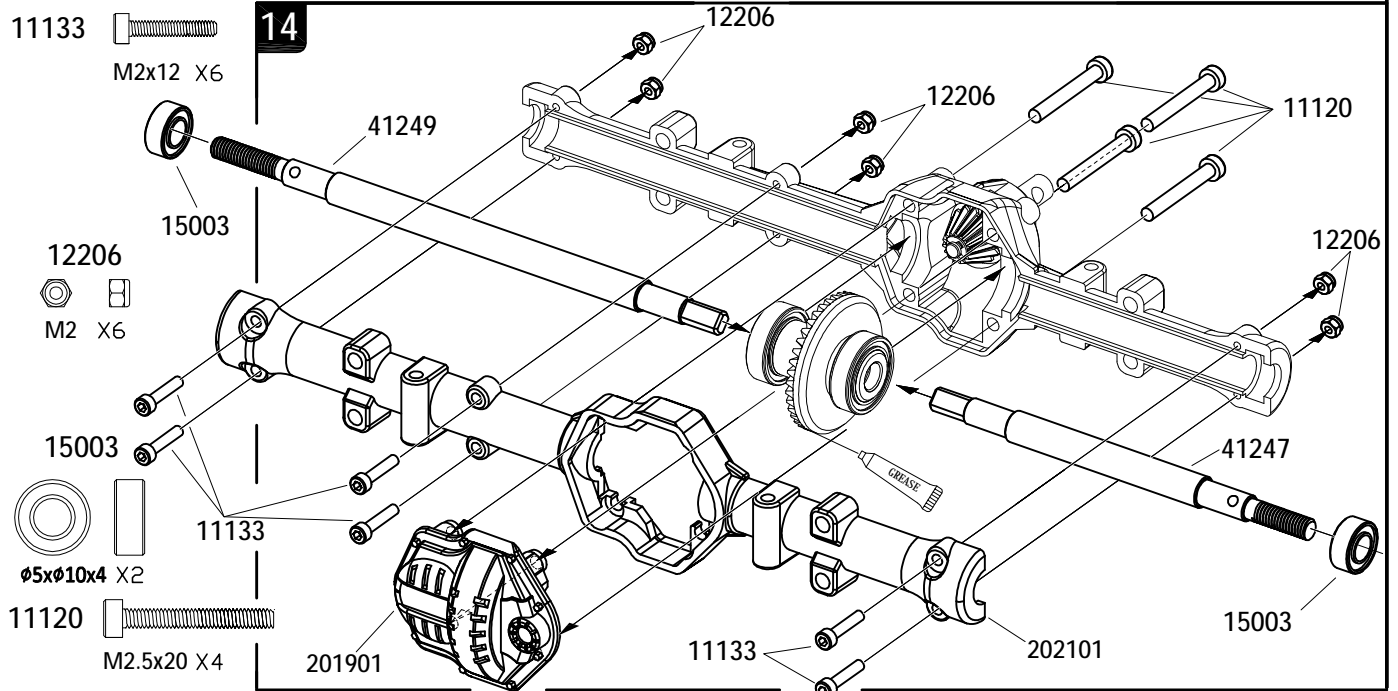


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- 13002 $\varnothing .8 \times \varnothing 9.2 \times 0.6$ X1
- 15003 $\varnothing 5 \times \varnothing 10 \times 4$ x2
- 72007 $\varnothing 5 \times \varnothing 8 \times 0.3$ x1

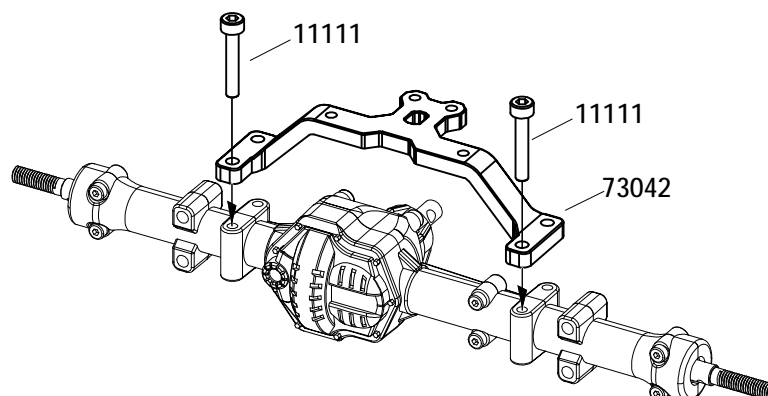


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11111  M3x18 X2





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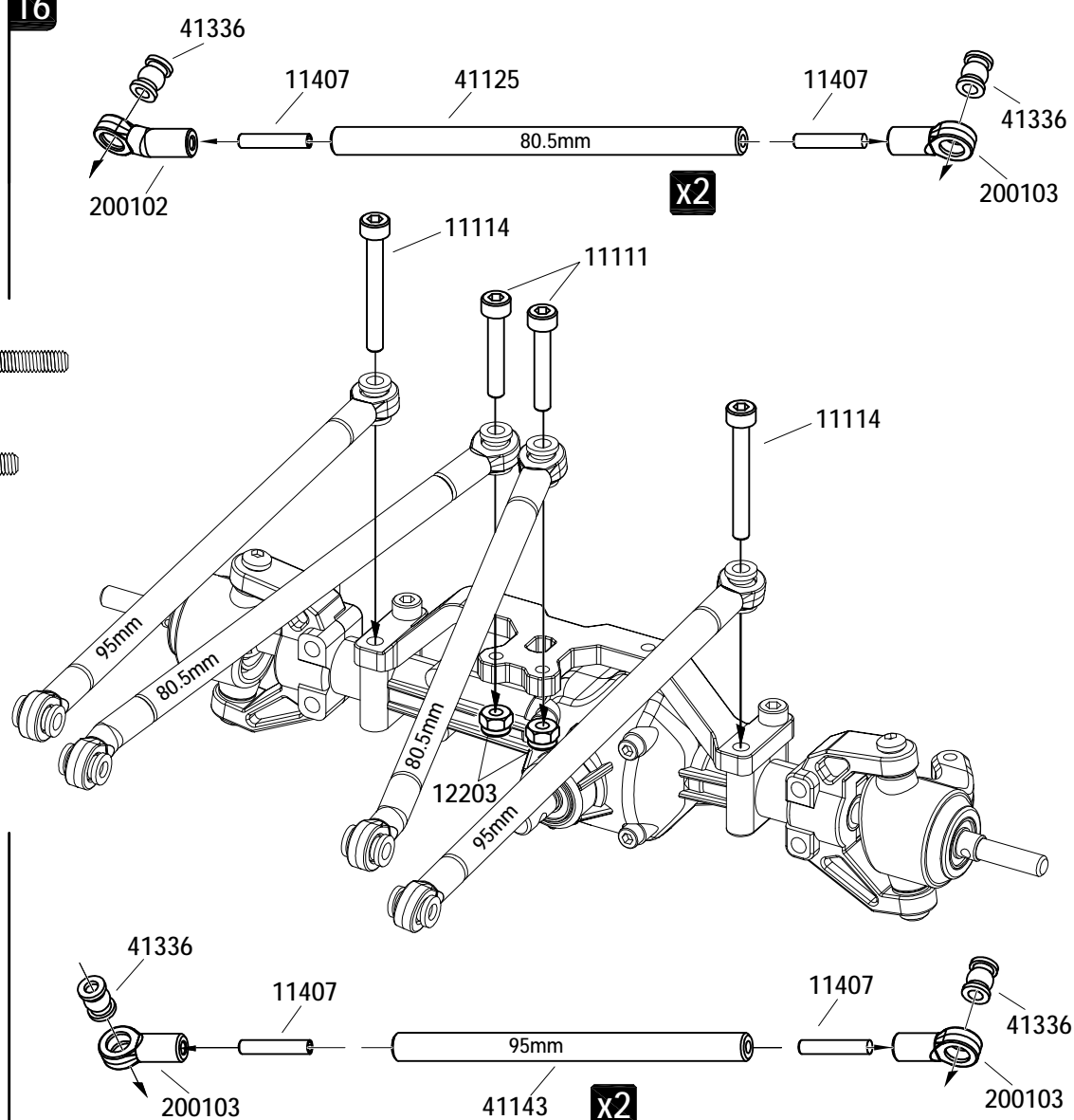
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12203  M3 X2

11114  M3x25 X2

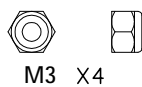
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 41336 X8



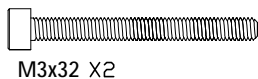
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12203



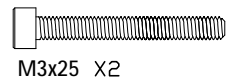
M3 X4

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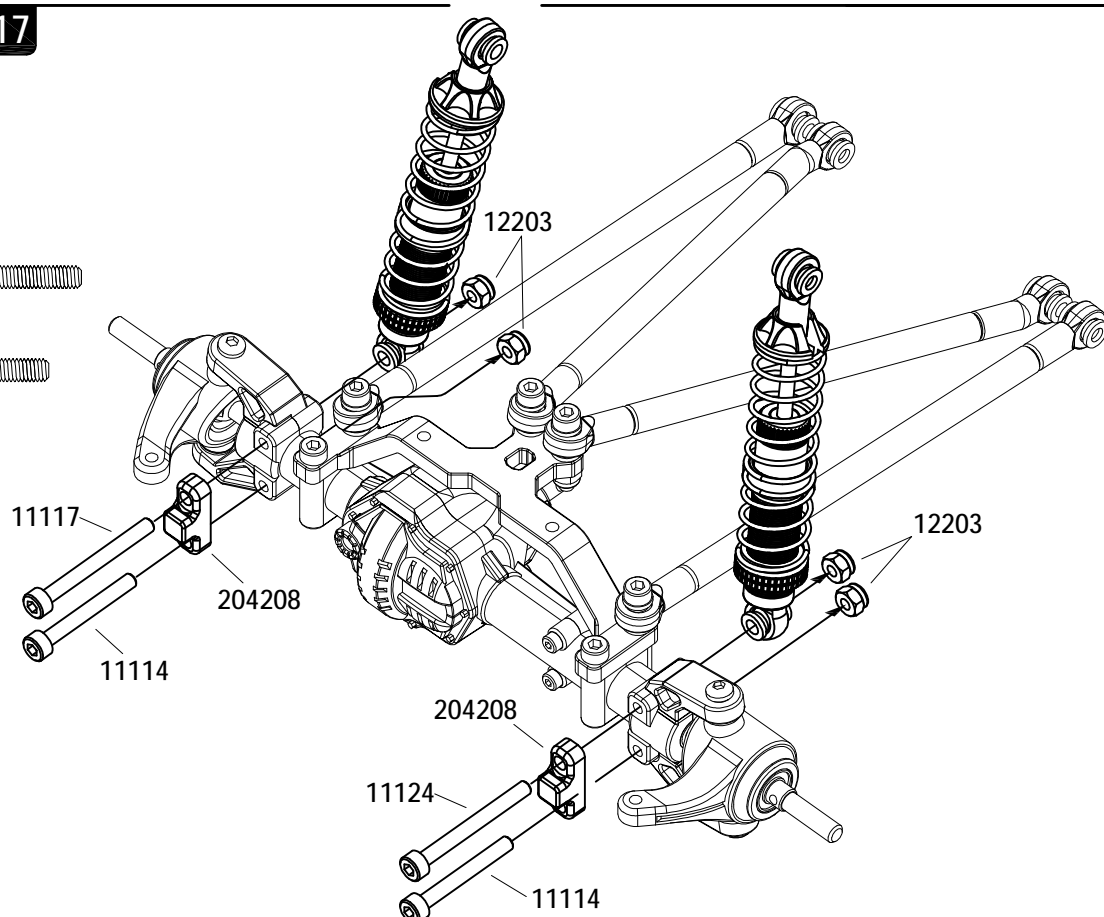


M3x32 X2

11114



M3x25 X2



18

11303



M3x8 X2

11206

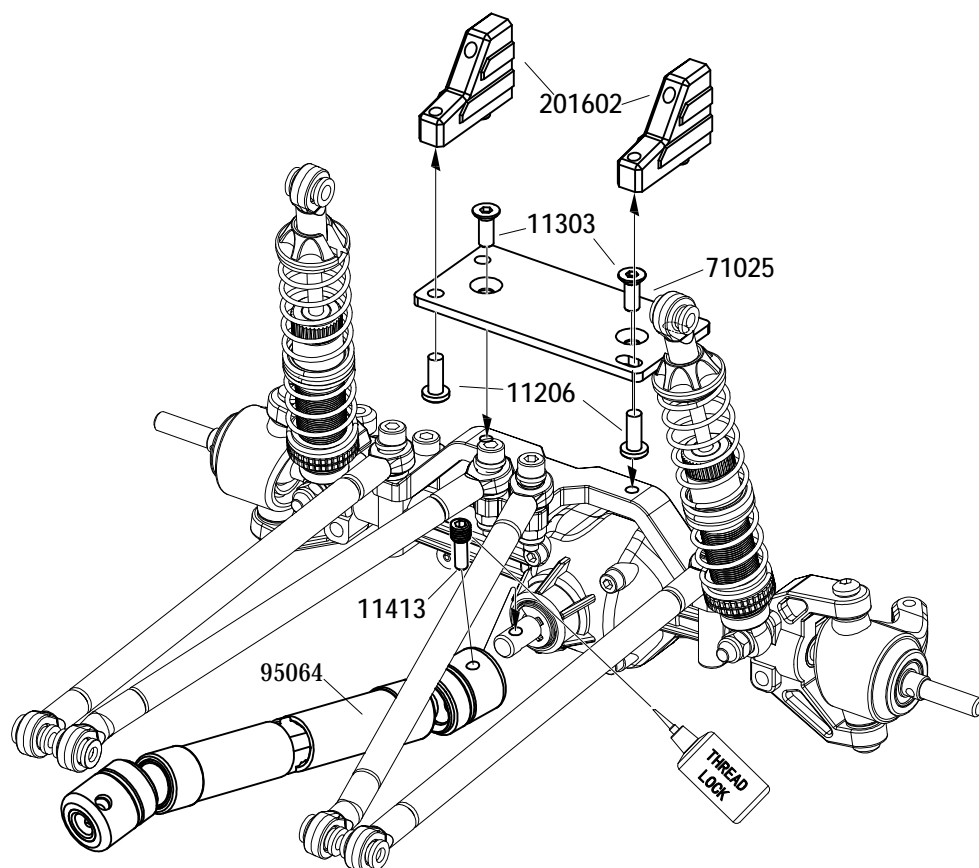


M3x8 X2


11413



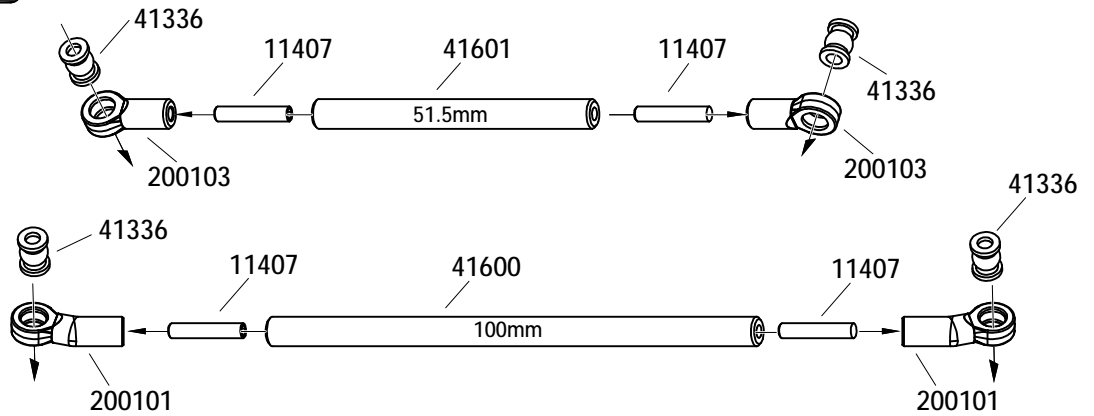
M4x12 X1




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 41336 X4




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11107  M3x10 X4


14102  $\phi 3 \times \phi 7 \times 0.5 \times 4$

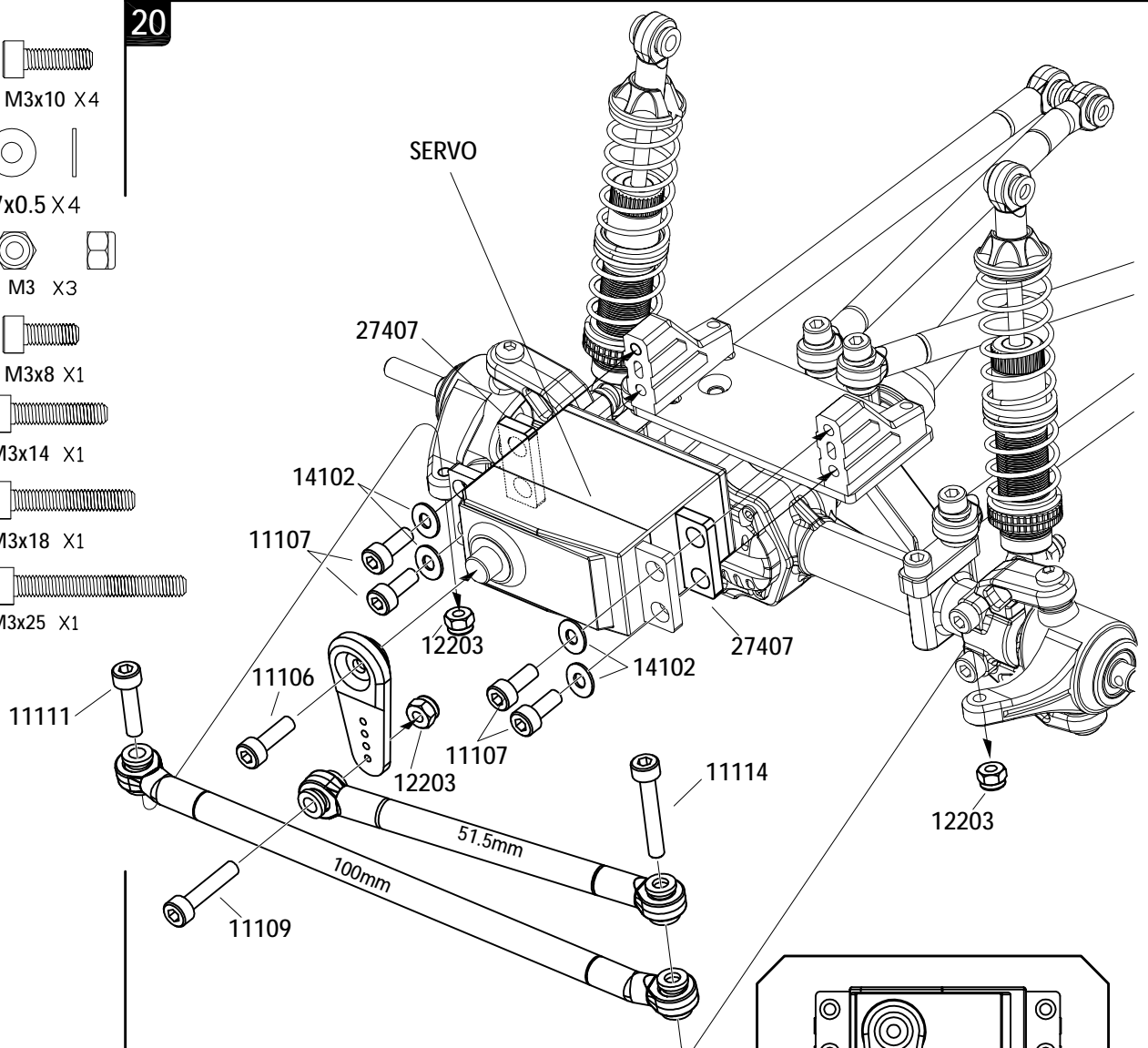
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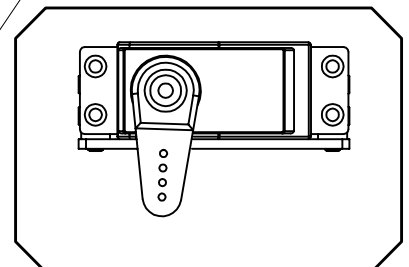
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11111  M3x18 X1


11114  M3x25 X1




Turn on the Transmitter then Receiver and set the Steering Servo Trim at the neutral position




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M3x16 X8

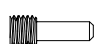
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M3 X2


11114 
M3x25 X2

11111 
M3x18 X2



41336 X8

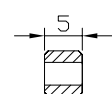


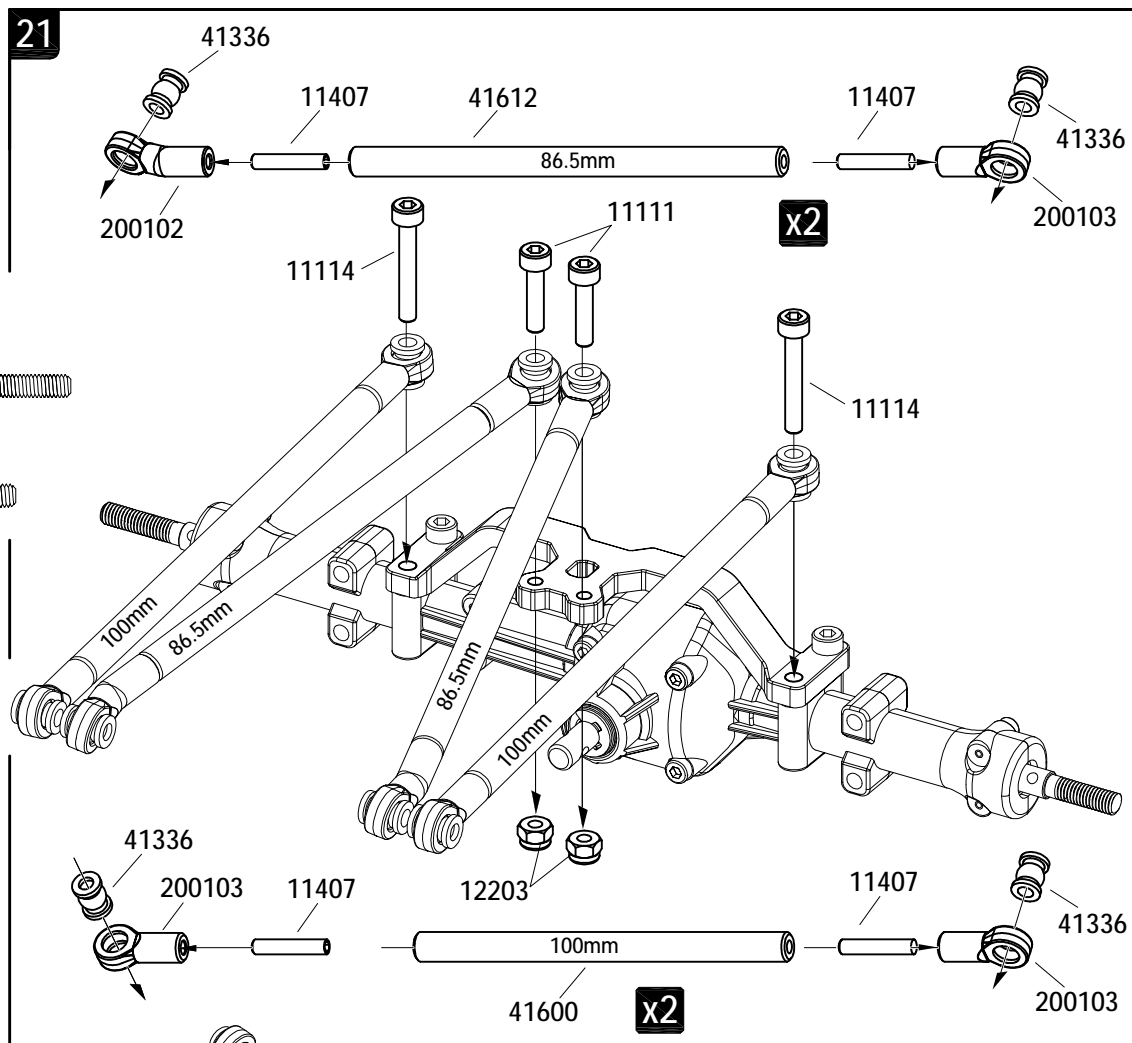
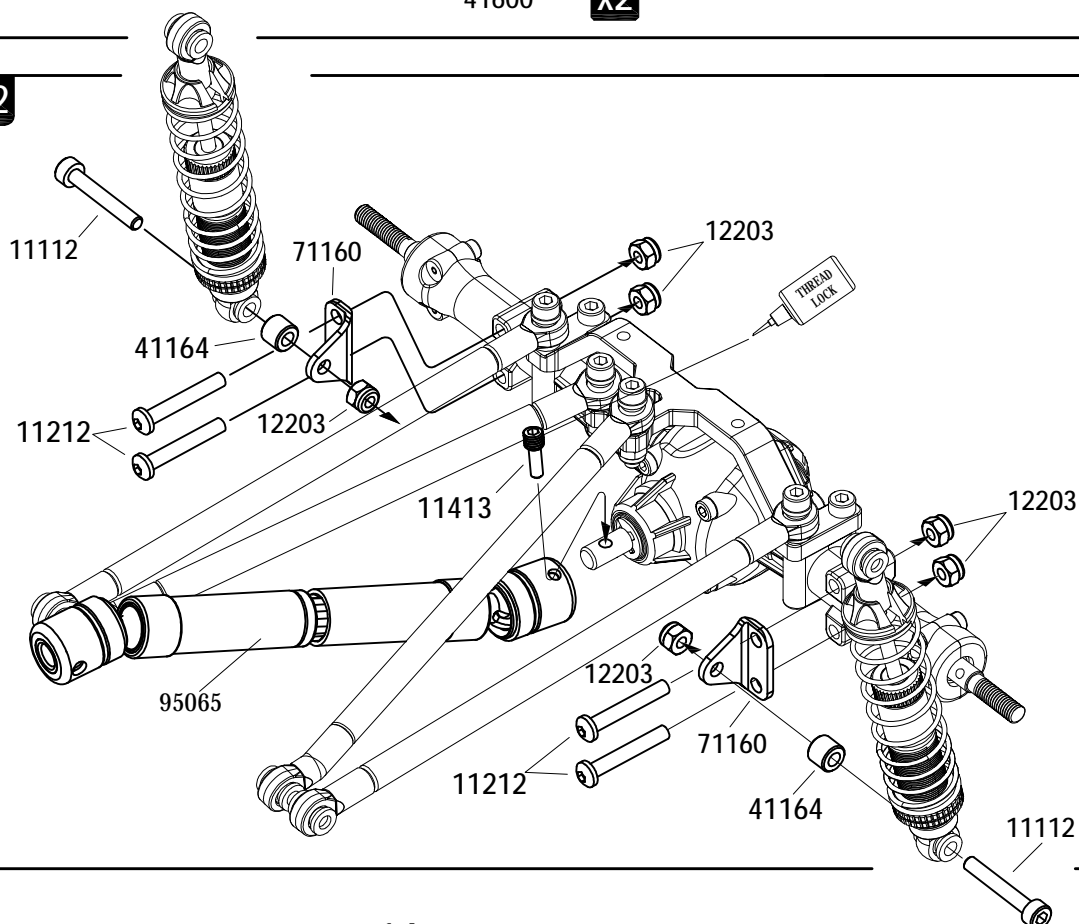
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M4x12X1

12203 
M3 X6

11212 
M3x20 X4

11112 
M3x20 X2


41164 X2

**22**

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11303



M3x8 X4

11112



M3x20 X2

11114

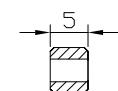


M3x25 X2

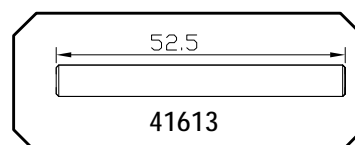
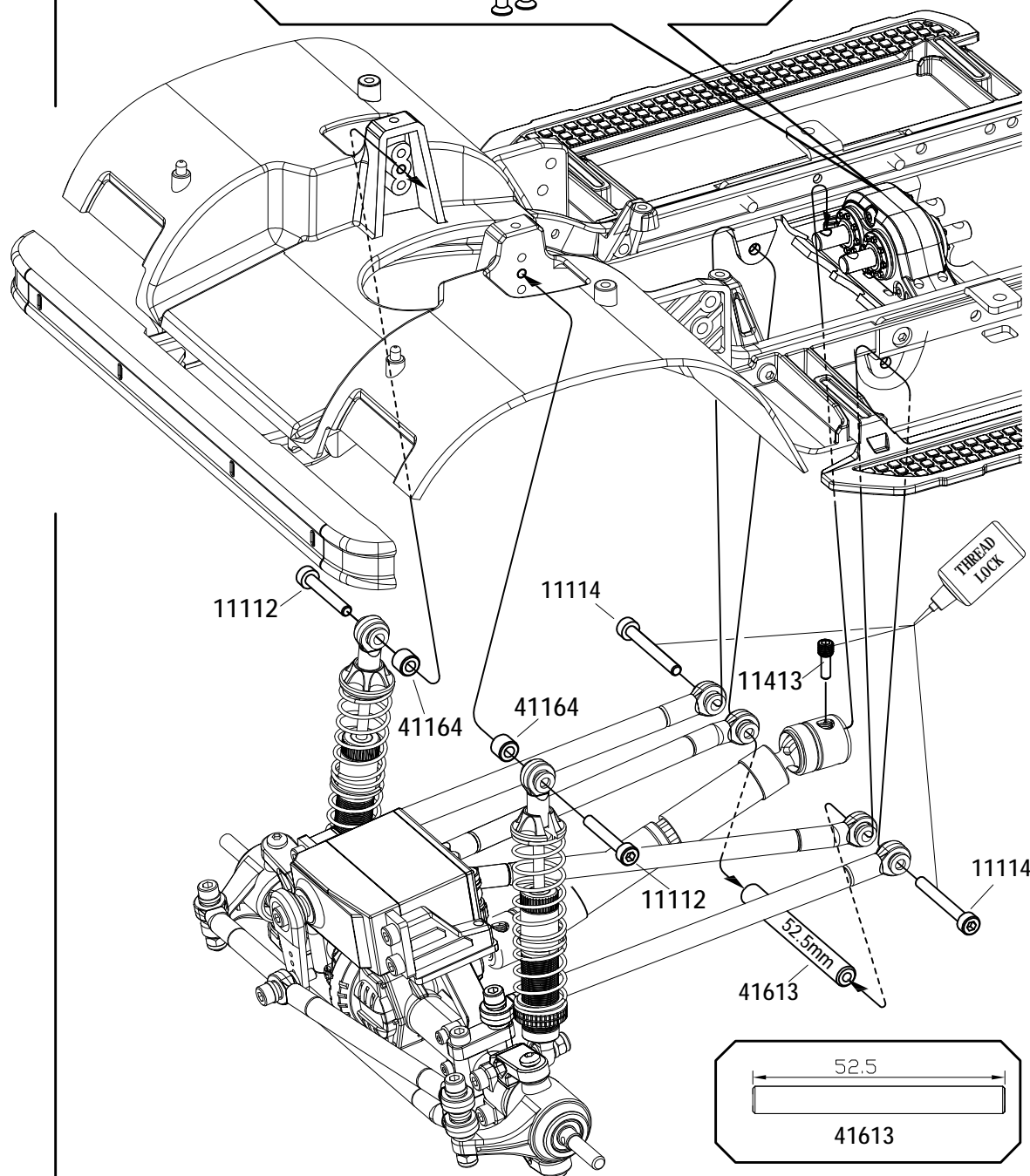
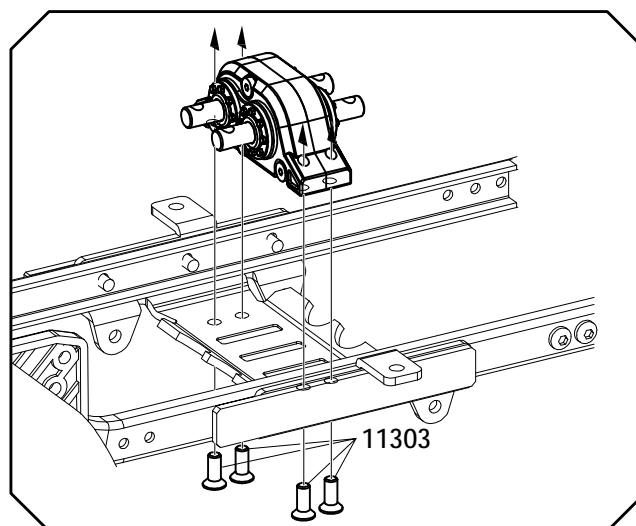
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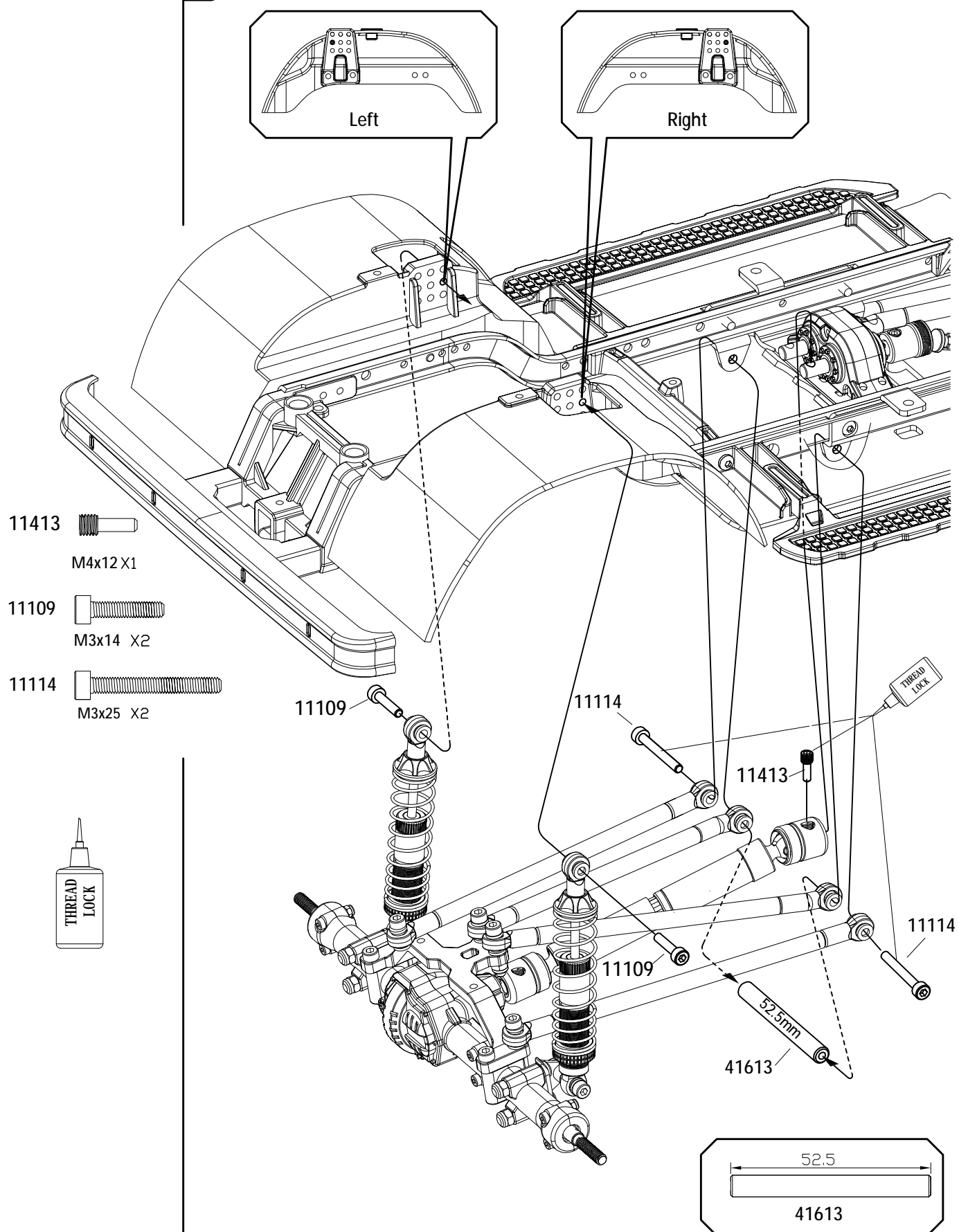
M4x12 X1



41164 X2

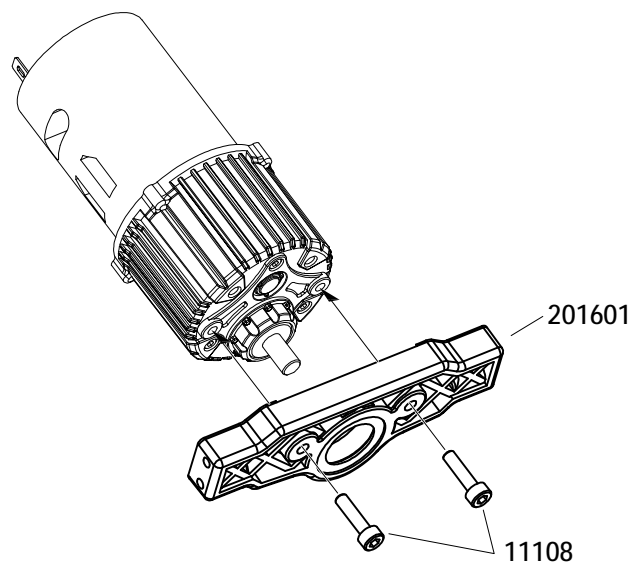


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
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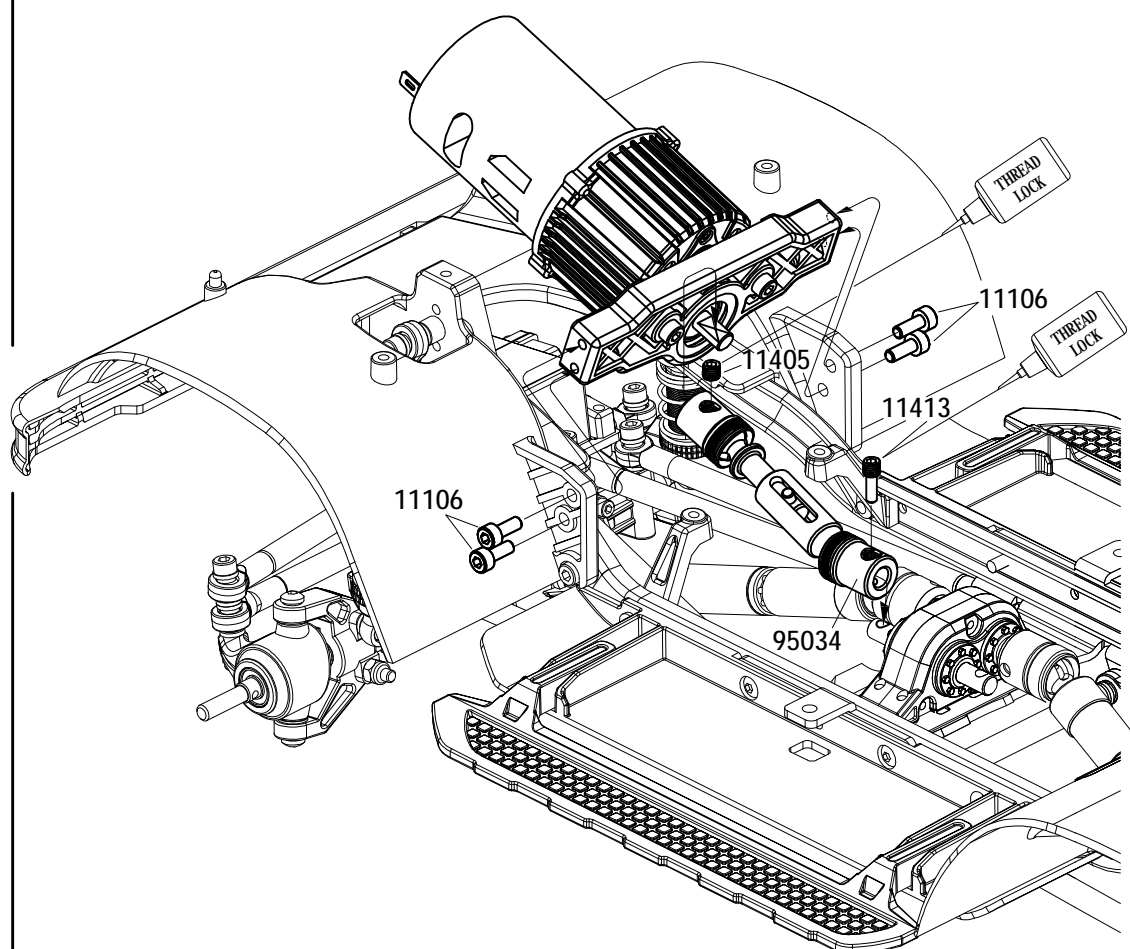


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


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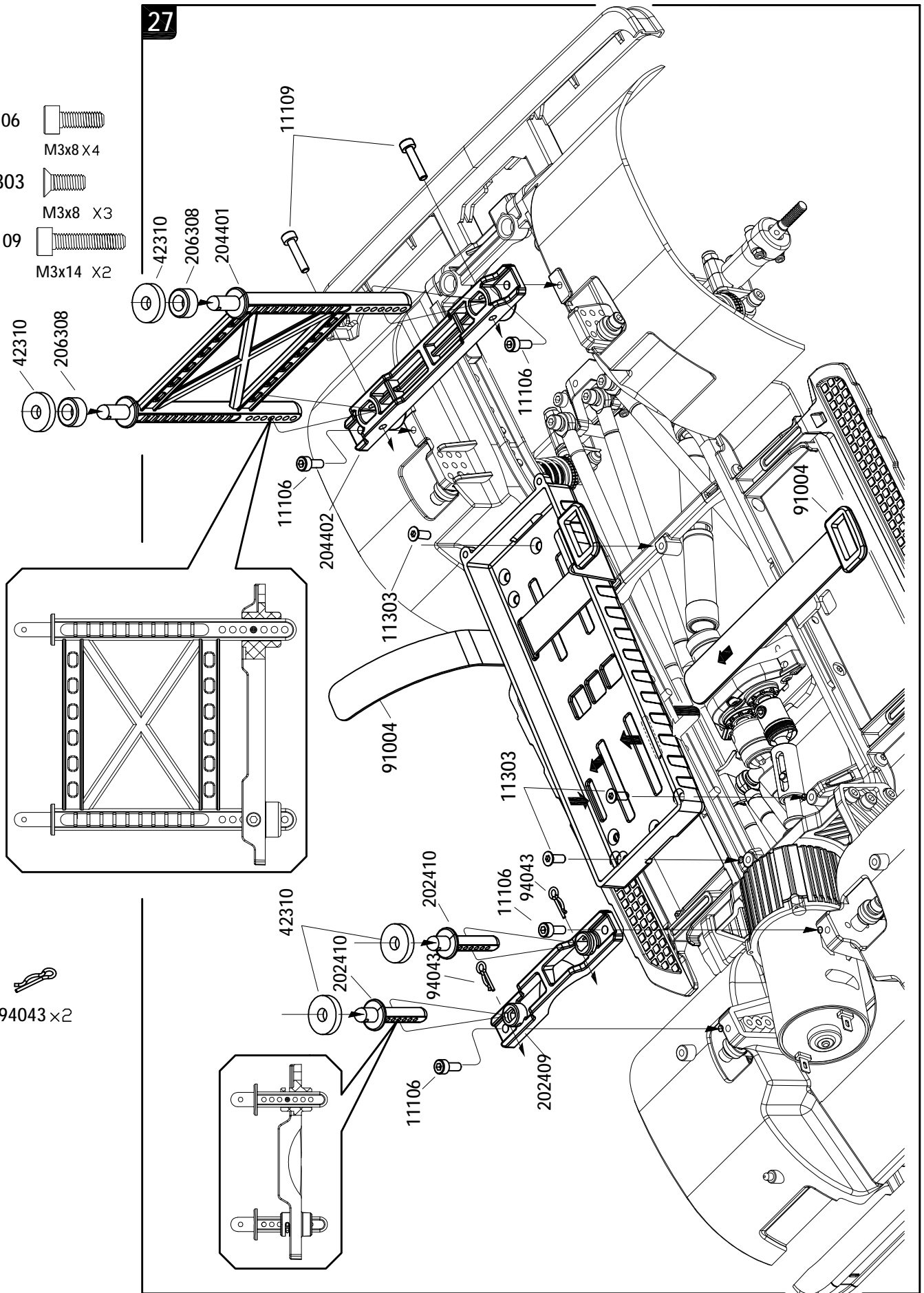
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M4x12 X1

11106 
M3x8 X4





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- 11106 
M3x8 X4
- 11303 
M3x8 X3
- 11109 
M3x14 X2

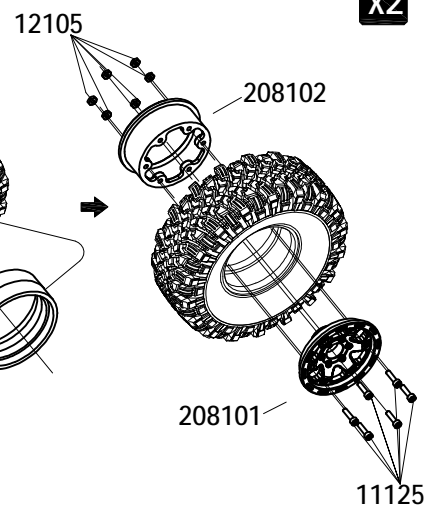
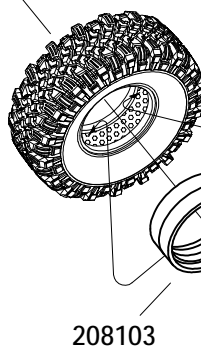
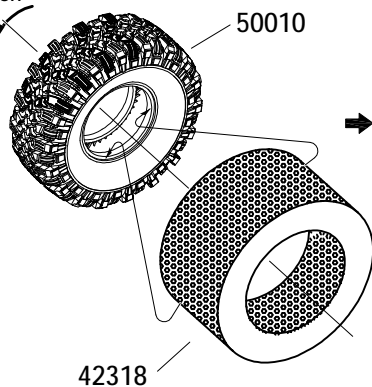



28


11125 
M2.5x10 X12

12105 
M2.5 X12

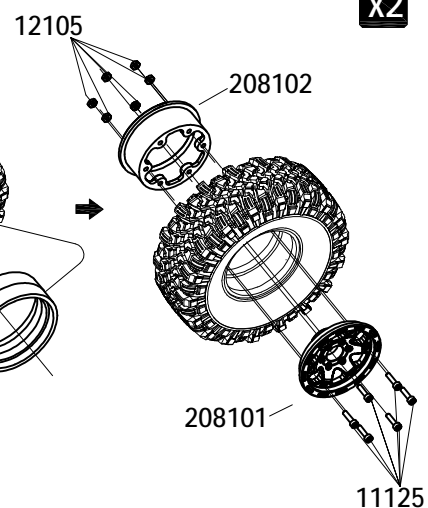
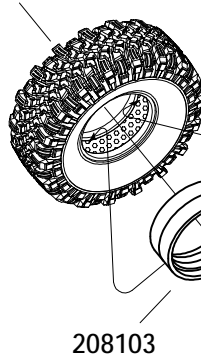
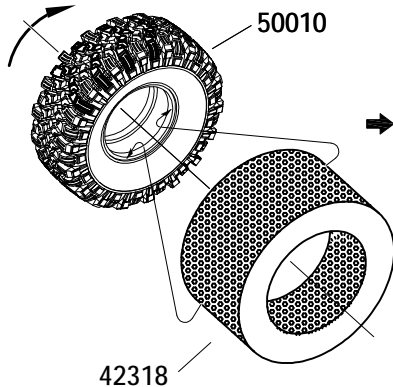
Direction of
rotation

**x2**

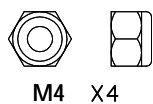
11125 
M2.5x10 X12

12105 
M2.5 X12


Direction of
rotation

**x2****29**

12204



M4 X4

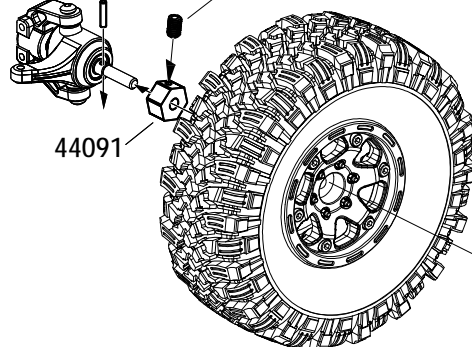
11412 
M3x3 X4

41209

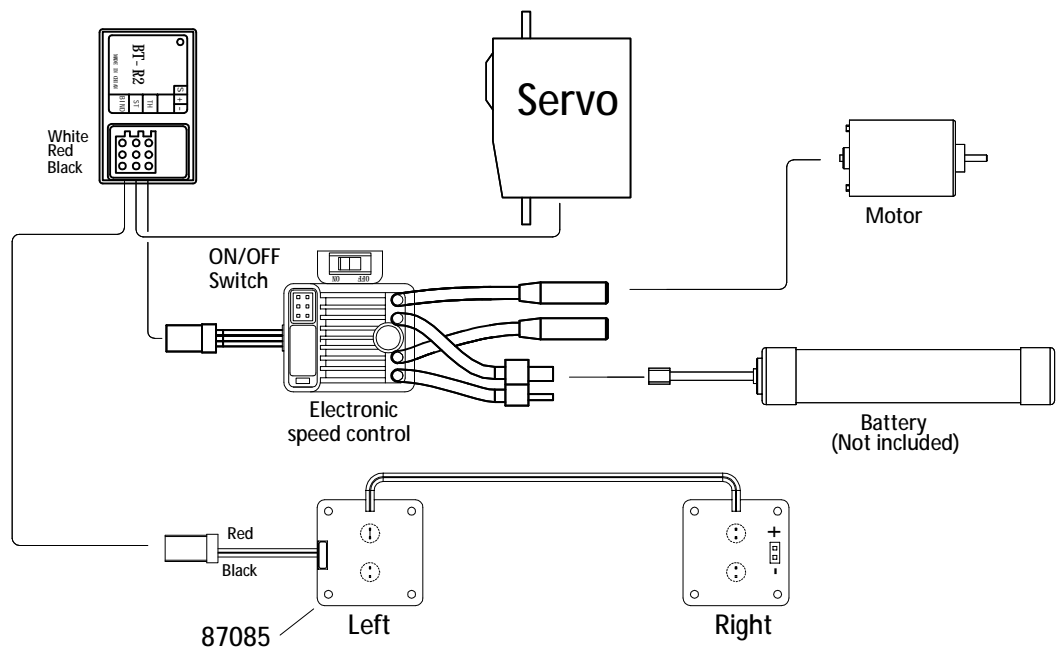
11412

44091

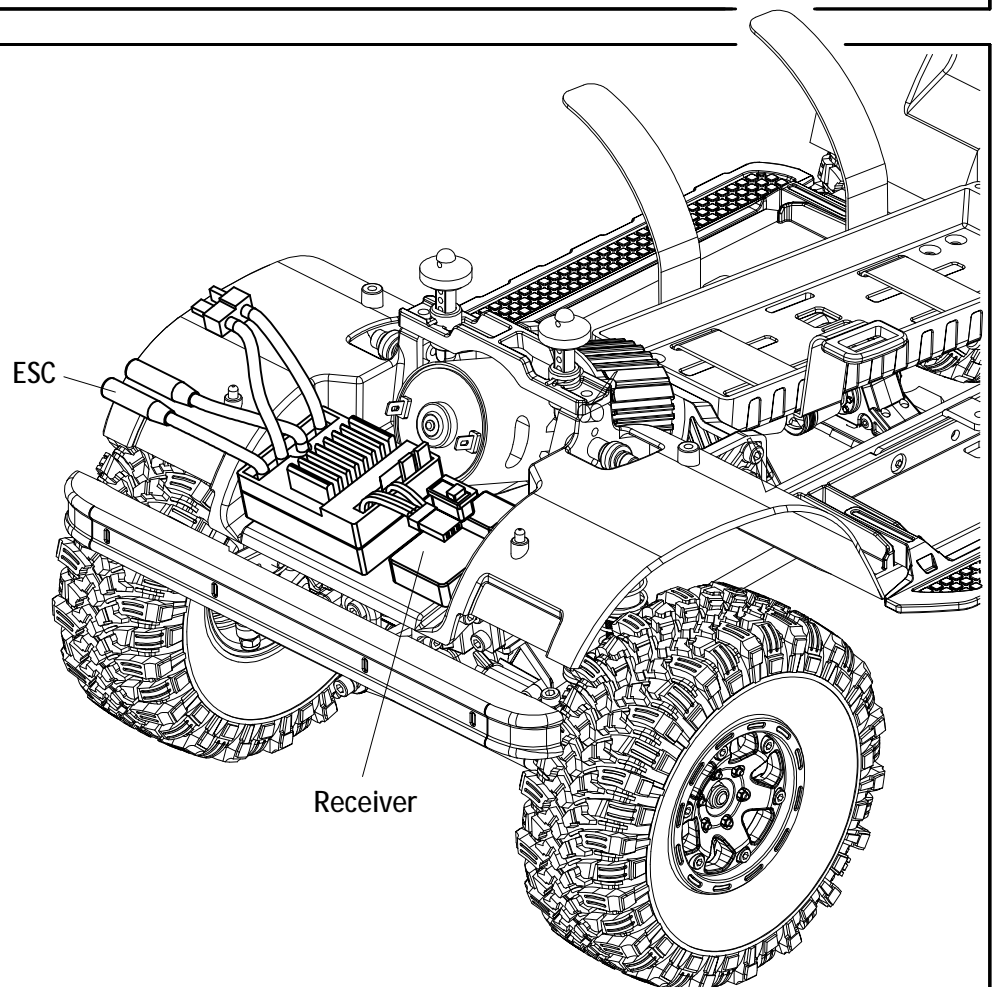
12204

**x4**

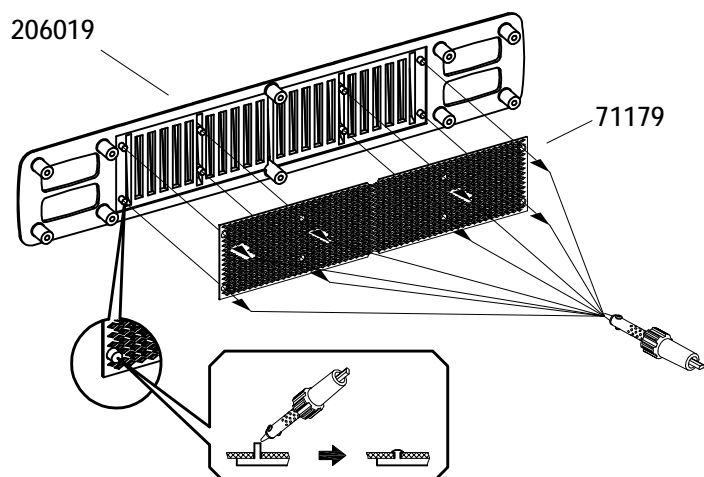
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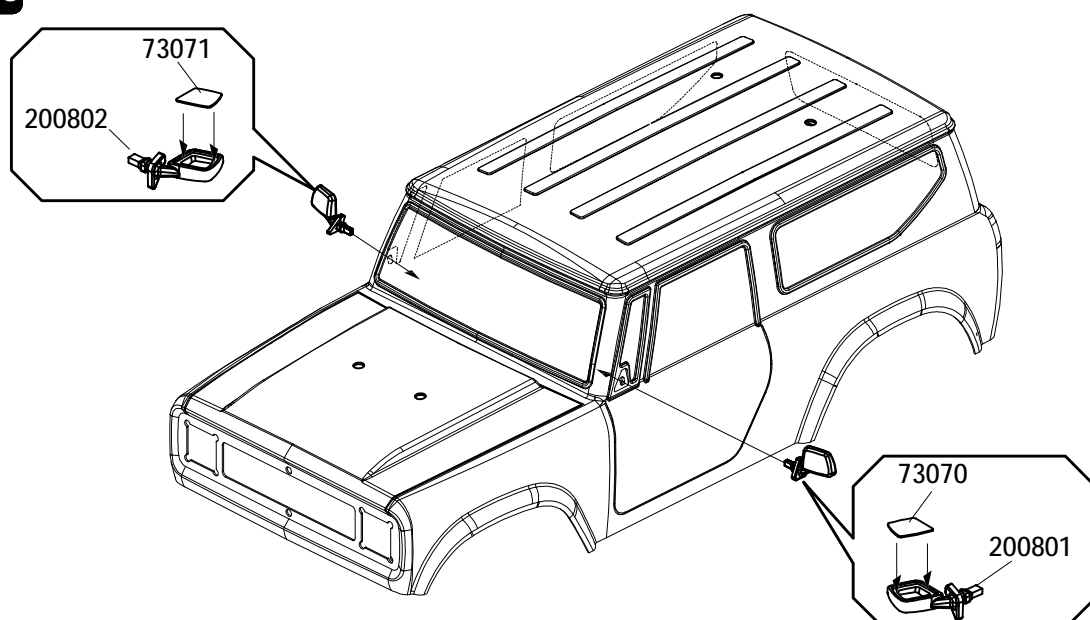
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
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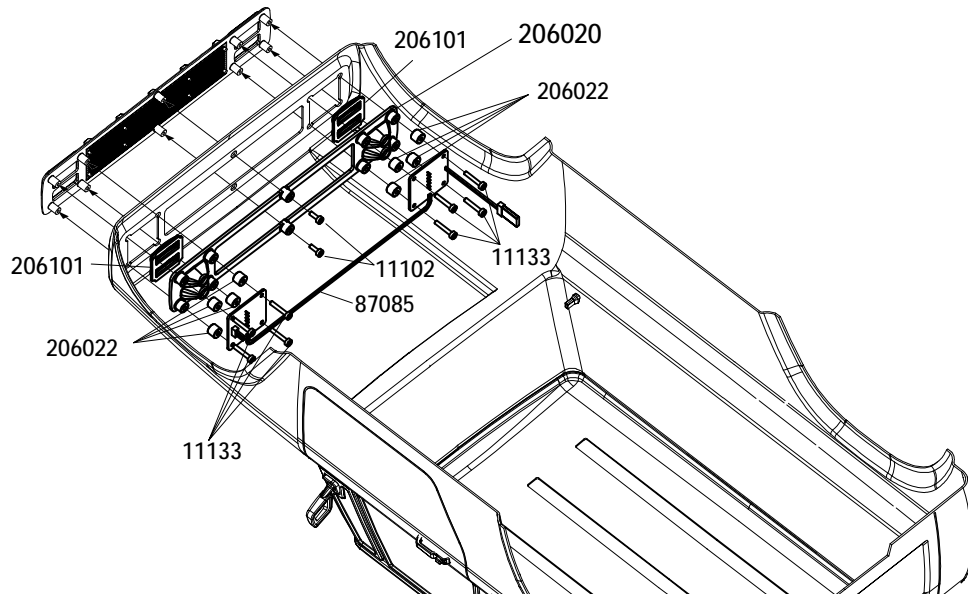


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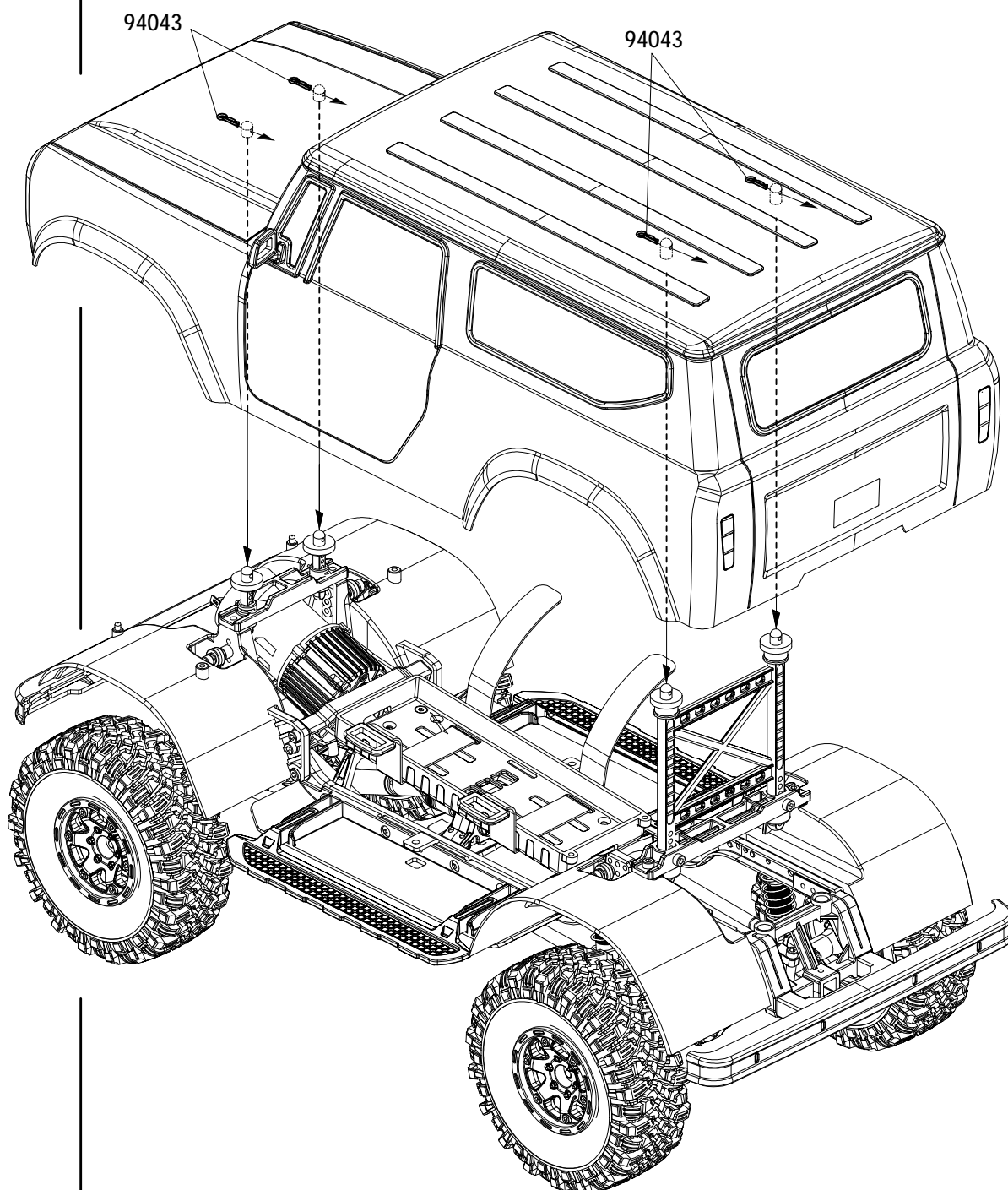
- 11102  M2x6 X2
- 11133  M2x12 X8

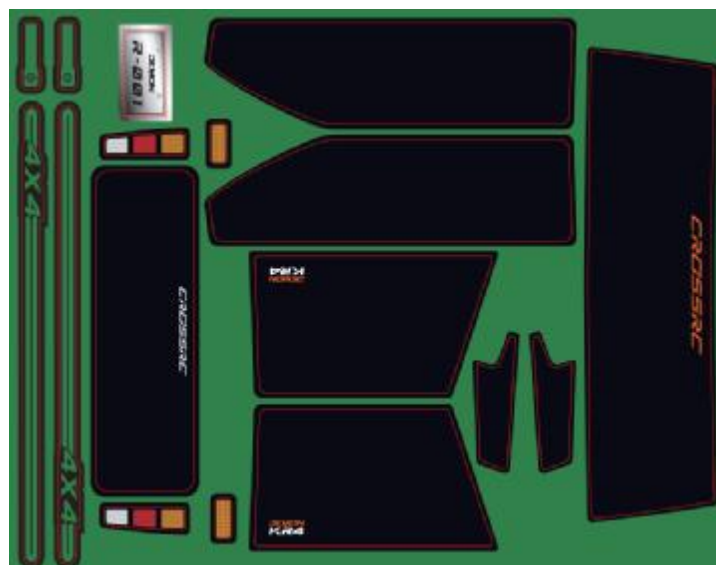


35



94043 × 4





Crossrc KR4RTR Parts List						
PARTS CODE	DESCRIPTION	QTY	PARTS NO.	DETAIL	QTY	Qty in each kit
97400642	KR4 Front wheel arch set	1 set	206201	Front wheel arch	1	1
			11106	M3*8 Screw	4	
97400643	KR4 Rear wheel arch set	1 set	206202	Left rear wheel arch	1	1
			206203	Right rear wheel arch	1	
			11106	M3*8 Screw	4	
97400644	Adjustable side pedal set	1 set	206301	Left baseplate	1	1
			206302	Right baseplate	1	
			206303	Left pedal	1	
			206304	Right pedal	1	
			11206	M3*8 Screw	4	
			11207	M3*10 Screw	4	
			11303	M3*8 Screw	4	
97400645	KR4 Front/Rear guarder set (black)	1 set	206008	Front guarder	1	1
			206009	Rear guarder	1	
			206305	Tail frame	1	
			11106	M3*8 Screw	4	
			11303	M3*8 Screw	2	
97400646	KR4 main grille (round lamp/black)	1 set	206022	Round lamp grille (black)	1	1
			206023	Round lamp cup (black)	1	
			206021	Lamp shim (black)	8	
			206102	Lamp lens	2	
			71179	KR4 Mesh	1	
			11102	M2*6 Screw	2	
			11133	M2*12 Screw	8	
97400647	KR4 main grille (square lamp/black)	1set	206019	Square lamp grille (black)	1	1
			206020	Square lamp cup (black)	1	
			206021	Lamp shim (black)	8	
			206102	Lamp lens	2	
			71179	KR4 Mesh	1	
			11102	M2*6 Screw	2	
			11133	M2*12 Screw	8	
97400648	KR4 Front/Rear guarder set (Chroming)	1 set	206017	Front guarder (chroming)	1	1
			206018	Rear guarder (chroming)	1	
			206305	Tail frame	1	
			11106	M3*8 Screw	2	
			11303	M3*8 Screw	2	
97400649	KR4 main grille (round lamp/chroming)	1 set	206013	Round lamp grille (chroming)	1	1
			206014	Round lamp cup (chroming)	1	
			206021	Lamp shim (black)	8	
			206102	Lamp lens	2	
			71179	KR4 Mesh	1	
			11102	M2*6 Screw	2	
			11133	M2*12 Screw	8	
97400650	KR4 main grille (square lamp/chroming)	1 set	206010	Square lamp grille (chroming)	1	1
			206011	Square lamp cup (chroming)	1	
			206021	Lamp shim (black)	8	
			206102	Lamp lens	2	
			71179	KR4 Mesh	1	
			11102	M2*6 Screw	2	
			11133	M2*12 Screw	8	

PARTS CODE	DESCRIPTION	QTY	PARTS NO.	DETAIL	QTY	Qty in each kit
97400651	KR4 Transparent body set	1 set	205901	KR4 Body	1	1
			85159	KR4 Window sticker	1	
			85160	KR4 Window spray paint paste	1	
97400652	KR4 Round lamp set	1 set	87087	KR4 Round lamp set	1	1
			87081	Tail lamp plate	1	
97400653	KR4 Square lamp set	1 set	87085	KR4 Headlight set	1	1
			87081	Tail lamp plate	1	
97400654	Bearing full set	1 set	15003	Bearing $\phi 5 \times \phi 10 \times 4$	10	1
			15004	Bearing $\phi 10 \times \phi 15 \times 4$	6	
			15006	Bearing $\phi 5 \times \phi 11 \times 4$	4	
97400528	FR4 Shock absorber assembly	1 set	13004	Opening ring	4	2
			17007	O-ring	4	
			17008	O-ring	2	
			41195	Shock absorber link rod	2	
			41196	Shock absorber bottom cover	2	
			41197	Damper adjusting nut	2	
			41198	Shock absorber upper cover	2	
			41336	Ball	2	
			41418	Shock absorber damping oil cylinder	2	
			42312	Spacer	2	
			42313	Spacer	2	
			200103	Straight ball buckle	2	
			200401	Spring base	2	
			200501	Piston	2	
			41368	Shock absorber spring	2	
97400529	FR4 Suspension rod assembly	1 set	41611	100mmRod	2	1
			41610	95mmRod	2	
			41125	80.5mmRod	2	
			41613	52.5mmRod	2	
			41612	86.5mmRod	2	
97400531	FR4 Suspension battery box	1 set	204304	Battery box	1	1
			204403	Battery box rear bracket	1	
			204404	Battery box front left bracket	1	
			204405	Battery box front right bracket	1	
			91004	Battery binding band	2	
			11206	Flat head screw M3*8	2	
			11108	Cap screw M3*12	2	
			11303	Sunk screw M3*8	3	
97400535	FR4 Body trim and taillight stand	1 set	205101	Left decoration bar A	1	1
			205102	Left decoration bar B	1	
			205103	Right decoration bar A	1	
			205104	Right decoration bar B	1	
			205105	Licence Frame	1	
			205106	Rear trim strip	1	
			205107	Left lamp shade	1	
			205108	Right lamp shade	1	
			205109	Left lamp holder	1	
			205110	Right lamp holder	1	
			205111	SP4 handle	2	

PARTS CODE	DESCRIPTION	QTY	PARTS NO.	DETAIL	QTY	Qty in each kit
97400536	FR4 Shell and column Kit	1 set	204401	Rear shell bracket	1	1
			204402	Mast base	1	
			202409	Front buckle seat	1	
			202410	Front buckle	2	
			242310	Soft shell shockproof pad	4	
			211106	Cap screw	4	
			94015	Φ6 R Buckle	6	
97400545	FR4 Crossbeam assembly	1 set	71116	SG4 Crossbeam (left)	1	1
			71117	SG4 Crossbeam (right)	1	
97400546	FR4 Rear shock absorber bracket	1 set	71160	Shock proof triangular support	2	1
			11212	M3*20 Screw	4	
			12203	Nut M3	4	
97400508	SP4, FR4, SU4 Stamping hub	1 set	71156	Hub inner frame	2	2
			71157	Hub outer frame	2	
			41375	Metal compress ring	2	
			30307	Hub (Herringbone)	2	
			11120	M2.5*20 Screw	2	
			11116	M2.5*14 Screw	14	
			12105	Nut M2.5	14	
97400509	SP4, FR4 CNC hub	1 set	44083	CNC wheel face cover	2	2
			44084	CNC wheel bottom cover	2	
			41375	Metal compress ring	2	
			205301	CNC wheel hub cover	2	
			11134	M2.5*8 Screw	10	
97400342	Metal Transfer Case Housing	1 set	32701	Transfer case front housing	1	1
			32702	Transfer case rear housing	1	
			11116	M2.5*12 cap screw	3	
97400363	Transfer Case Gears	1 set	41292	18T Gear	2	1
97400364	Transfer Case Ball Bearings and Washers	1 set	15006	Bearing φ5*φ11*4	4	1
			72007	Adjusting gasket φ5*φ8*0.3mm	4	
			72026	Adjusting gasket φ5*φ8*0.2mm	4	
97400365	Transmission Gear Set	1 set	95028	Gear set of reduction box	1	1
97400366	Gearbox Mount	1 set	11106	M3*8 Screw	2	1
			17009	Φ35*2 O-ring	1	
			32704	Motor fixed block	1	
97400341	Metal Gearbox Housing	1 set	32703	Gearbox front housing	1	1
			11130	M2*20 Screw	3	
97400367	Pinion Gear	1 set	41293	10T Gear	1	1
			11401	M3*4 Screw	1	
97400368	Plastic Transfer Case Housing	1 set	200201	Transfer case front housing	1	1
			200202	Transfer case rear housing	1	
			11116	M2.5*12 Screw	3	
97400369	Plastic Gearbox Housing	1 set	200203	Gearbox	1	1
			11130	M2*20 Screw	3	
97400372	Steering Linkage Set	1 set	41611	100mm Pull rod	1	1
			41601	51.5mm Pull rod	1	
97400375	M3 x 16 Set Screws (20)	1 set	11407	M3*16 Screw	20	1

PARTS CODE	DESCRIPTION	QTY	PARTS NO.	DETAIL	QTY	Qty in each kit
97400376	Gear Set, G1R/G2 Axle	1 set	13002	Retainer ring $\Phi 3.8 \times \Phi 9.2 \times 0.6$	1	1
			13003	Retainer ring $\Phi 2.5 \times \Phi 6 \times 0.4$	1	
			32101	15T axle gear	1	
			30102	40T axle gear	1	
			41246	4x4 axle input shaft	1	
			72007	Adjusting gasket 0.3mm	1	
			72008	Adjusting gasket 0.2mm	2	
97400378	Front Axle Housing and Steering Knuckles, G2	1 set	201901	SG4 front axle cover	1	1
			202001	SG4 front axle housing	1	
			202002	SG4 rear axle housing	1	
			202003	SG4 left steering cup	1	
			202004	SG4 right steering cup	1	
97400379	G2 Rear Axle Housing	1 set	201901	SG4 front axle cover	1	1
			202101	Front housing of SG4 rear axle	1	
			202102	Rear housing of SG4 rear axle	1	
97400380	Front Axle Shaft	1 set	41208	Dog bone cup	2	1
			41248	4x4 steering drive shaft (right)	1	
			41250	4x4 steering drive shaft (left)	1	
97400384	SR4-B&C(G2/G1R axle) front axle CVD shaft	1 set	41287	CVD steering drive shaft (left)	1	1
			41288	CVD steering drive shaft (right)	1	
97400419	G2 Rear Axle Shaft	1 set	41247	Rear short shaft	1	1
			41249	Rear long shaft	1	
97400381	G1R Complete Front Axle Assembly	1 set	41287	CVD steering drive shaft (left)	1	1
			41288	CVD steering drive shaft (right)	1	
			32102	40T axle gear	1	
			32101	15T axle gear	1	
			41246	4x4 axle input shaft	1	
			41205	Steering cup shaft cover	4	
			72007	Adjusting gasket $\Phi 5 \times \Phi 8 \times 0.3\text{mm}$	1	
			72003	Adjusting gasket $\Phi 5 \times \Phi 8 \times 0.5\text{mm}$	1	
			72008	Adjusting gasket $\Phi 10.2 \times \Phi 15 \times 0.2\text{mm}$	2	
			13004	Opening ring $\Phi 2.0 \times \Phi 5.5 \times 0.4$	1	
			13002	Opening ring $\Phi 3.8 \times \Phi 9.2 \times 0.6$	1	
			15003	Ball bearing $\phi 5 \times \phi 10 \times \phi 4$	6	
			15004	Ball bearing $\phi 10 \times \phi 15 \times \phi 4$	4	
			11126	Socket head cap screws M2*14	4	
			11107	Flat head screw M3*10	4	
			44062	G1R Axle cover	1	
			44058	G1R Front housing of front axle	1	
			44059	G1R Rear housing of front axle	1	
			44060	G1R Steering cup (left)	1	
			44061	G1R Steering cup (right)	1	

PARTS CODE	DESCRIPTION	QTY	PARTS NO.	DETAIL	QTY	Qty in each kit
97400382	G1R Complete Rear Axle Assembly	1 set	44062	G1R Axle cover	1	1
			44063	G1R Front housing of rear axle	1	
			44064	G1R Rear housing of rear axle	1	
			41247	4x4 drive shaft (right)	1	
			41249	4x4 drive shaft (left)	1	
			32102	40T axle gear	1	
			32101	15T axle gear	1	
			41246	4x4 axle input shaft	1	
			13004	Opening ring $\Phi 2.0 \times \Phi 5.5 \times 0.4$	1	
			13002	Opening ring $\Phi 3.8 \times \Phi 9.2 \times 0.6$	1	
			15003	Ball bearing $\phi 5 \times \phi 10 \times \phi 4$	4	
			15004	Ball bearing $\phi 10 \times \phi 15 \times \phi 4$	2	
			11126	Socket head cap screws M2*14	4	
			11104	Socket head cap screws M2*10	4	
			72007	Adjusting gasket $\Phi 5 \times \Phi 8 \times 0.3\text{mm}$	1	
			72003	Adjusting gasket $\Phi 5 \times \Phi 8 \times 0.5\text{mm}$	2	
			72008	Adjusting gasket $\Phi 10.2 \times \Phi 15 \times 0.2\text{mm}$	2	
97400384	Long Driveshaft	1 set	95033	Long drive shaft C1	2	1
			11409	M4*11 Step screw	4	
97400385	Short Driveshaft	1 set	95034	Short drive shaft D	1	1
			11405	M4*4 Set screw	1	
			11409	M4*11 Step screw	1	
97400391	Transfer Case Mount	1 set	73044	Ttransfer case mount	1	1
97400350	Mirrors and Wipers	1 set	200801	Rear view mirror (left)	1	1
			200802	Rear view mirror (right)	1	
			73045	Left mirror	1	
			73046	Right mirror	1	
			221908	Wiper	2	
97400408	Metal Balls (24)	1 set	41336	Metal Ball	24	1
97400410	Rod End Set	1 set	200103	Rod end	12	1
			200101	Rod end	2	
			200102	Rod end	4	
97400409	Servo Mount	1 set	27407	Washer	2	1
			71025	Servo plate	1	
			201602	Servo mounting bracket	2	
97400420	Shock Rebuild Kit	1 set	13004	2*5.5*0.4 E-ring	8	1
			17007	6.5*2.5*2 O-ring	12	
			17008	7*5*1 O-ring	4	
			200501	Piston	4	
			42312	Upper gasket	4	
			42313	Bottom gasket	4	
97400329	Blackrock Tires (pr.) w/2-stage inserts 115/45/1.9"	1 set	50010	115 Black rock tires ($\Phi 115/44$)	2	2
			42316	Soft foams	2	
			42317	Hard foams	2	
97400423	Blackrock Tires (pr.) w/ inserts 115/45/1.9"	1 set	50010	115 Black rock tires ($\Phi 115/44$)	2	2
			42318	Sponge inner tube	2	

PARTS CODE	DESCRIPTION	QTY	PARTS NO.	DETAIL	QTY	Qty in each kit
97400358	Blackrock Tires (pr.) Super Soft 115/45/1.9"	1 set	50030	115 Black rock tires (Φ115/44)	2	2
			42316	115 tire fill cotton	2	
			42317	115 tire EVA	2	
97400424	Hex Hub (4)	1 set	44091	Hex hub	4	1
97400425	Drive Pin (4)	1 set	41209	Pin	4	1
97400427	Aluminum Truss	1 set	73042	Aluminum Truss	2	1
97400338	Center Chassis Stiffner Rod	1 set	41604	Center Chassis Stiffner Rod	2	1
			41161	2mm Alloy gasket φ6*φ3.2*2	4	
			11111	Socket head cap screws M3*25	4	
			15006	Bearing φ5*φ11*4	4	
97400337	Weight Set: G2 Axle (105g)	1 set	41364	Weight Set (105g)	1	2
			11306	Sunk screw M3*10	2	
			11207	Flat head screw M3*10	2	
97400320	CNC Steering Cup: G1 Axle	1 set	44060	Steering cup (left)	1	1
			44061	Steering cup (right)	1	
			41205	Steering shaft cover φ4.4*φ3*5 Copper H59	4	
			11107	Socket head cap screws M3*10	4	