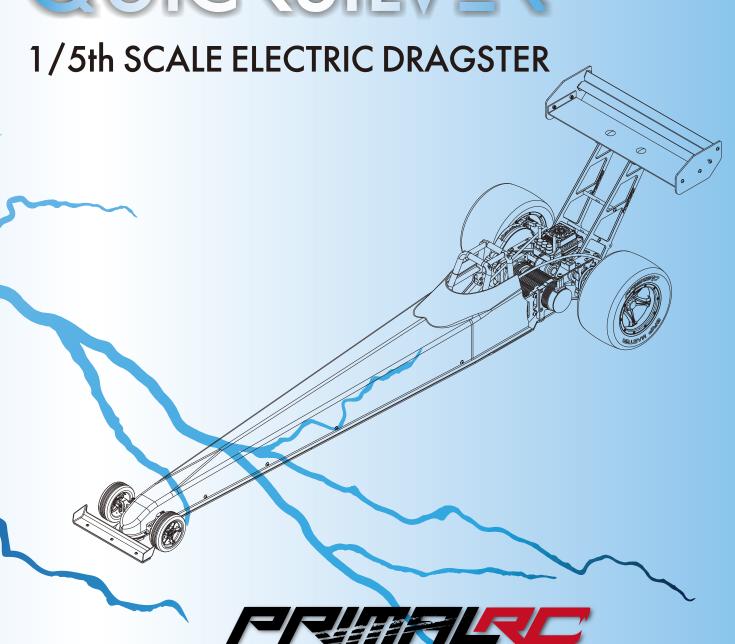
# INSTRUCTION MANUAL









# Safety Guidelines

#### WARNING: RISK OF FIRE, INJURY OR DEATH

The dragster is not a toy. The dragster requires an advanced set of skills and is not intended for use by children or minors under the age of 18. The dragster is intended to be purchased and operated by competent, adult R/C users possessing qualified skills and experienced driving ability. The user of this vehicle should be practical, mature, intelligent, and display good sense.

Caution must be taken to ensure the safety of yourself and others around you. This dragster is very large and is capable of high speed and quick acceleration. Collisions of a critical nature (injury, death, severe property damage) can result if the dragster is operated in a careless or unsafe manner. Always take great care to make sure all systems are working properly before operating. The user must be aware of their limits and abilities. Make certain to have adequate space where the dragster can be run safely.

#### Terms of Use

This product is sold by Primal RC with the understanding that the buyer accepts full responsibility for all actions associated with its use. Serious injury, property damage, or death can result from driving the dragster or using any of the included accessories in an unsafe or irresponsible way. The buyer assumes all liability with this product including any actions that occur due to a failure to follow its safety and operating instructions resulting in unsafe or improper use or any action that violates pertinent laws or regulations. Primal RC, and all Primal RC dealers, will not be held accountable under any circumstances with the use of this product resulting in property damage, personal injury, or death. This includes any willful or unintentional damages that may arise out of the assembly or use of the product or its accessories. The user accepts all liability by the act of using and operating the dragster and releases Primal RC, and all Primal RC dealers of any and all liability associated with its use. Primal RC requests that you do not use this product if you as a user do not accept liability of ownership. If you don't accept liability, please do not open any of the enclosed accessories, do not attempt to start it, and contact us to make arrangements to return the product. Used vehicles cannot be accepted for returns or exchanges under any circumstances. The material included in this manual can be changed without notice. Primal RC reserves the right to make improvements to the products with no commitment to integrate those improvements into products sold previously. If you have any questions regarding this Terms of Use, stop and do not go any further. Do not run your vehicle and contact Primal RC at sales@primalrc.com.

#### Safety is your responsibility

- Your radio may be subject to radio interference from many sources that are out of your control. Please be aware that radio
  interference may cause a temporary loss of control. Allow adequate space in all directions when running your model to prevent
  collisions if radio interference should occur.
- Test the range of your radio in the area to be driven in. Make sure not too drive too far and go out of range. After testing the range, start by driving slowly in the area to make sure there is no interference that can cause temporary losses of control.
- · Always test the failsafe system every time before use to ensure it's working properly (instructions are in the radio manual).
- Use new or freshly charged batteries in order to boost signal output power and range.
- Drive in the proper area. This product is not designed to be used in heavy traffic areas where its operation would cause pedestrian and vehicle interruptions. This is recommended to prevent collisions causing property damage, injury, or death.
- Try to always bring a friend while driving. Another set of eyes is helpful to identify potential hazards such as an animal or person
  crossing in the driving path.
- Always have a clear view of the model when driving. Don't drive at night or when your vision may be blocked in any way.
- Don't drive the model too close to you, other persons, or property where collisions may occur. Allow a comfortable amount of space to maneuver the vehicle
- Be sure to check over the model after each session used. Check for damage or any loose parts and correct any issues right away before using again. Make sure to check and tighten the wheel nuts before each session.
- Do not pick up the model by its wheels or tires. Keep your hands free and clear of any moving parts when the batteries are in use.
- Gravel, dirt, sticks, and other debris can be kicked up from the rear wheels during aggressive starts. Avoid standing directly behind the dragster and make sure other watchers are at a safe distance to avoid being hit. Eye protection is always recommended.
- Avoid making changes not shown or suggested in the instruction manual. You can cause damage to the model and injury to others
  if the product is altered in a way not intended.
- VERY IMPORTANT: Always turn off the dragster first, then the transmitter. Otherwise throttle servo damage will occur if dragster is left on.
- Remember: safety first. Create a safe environment to run in and use good common sense always. This will ensure maximal
  enjoyment while using the product.

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Thank you for purchasing the Primal RC 1/5 Scale Electric Dragster.

This manual contains the instructions you need to operate and maintain your dragster. It is very important that you take the time to read and understand the instruction and radio manual. Make sure you read and follow the precautions and warnings in the Safety Guidelines section which can be found on the back of the front cover. These guidelines will educate you on how to run your dragster safely and maximize its longevity and performance.

This dragster requires advanced R/C user experience and expertise. You must be 18 years of age or older to operate this vehicle. Even if you are an experienced R/C driver, it is important to read and follow the safety guidelines in this manual.

If you have any questions regarding this vehicle or this manual: Stop, do not use this vehicle and contact us at www.PrimalRC.com.

Thank you again for your purchase and we look forward to exceeding your expectations.

### **Before You Drive**

It is extremely important that you read, understand, and follow all instructions in the manuals included with this product in order to prevent serious damage to your dragster, yourself, and your property. If the user fails to follow these instructions, it will be considered negligence.

Before starting your dragster, read and understand all manuals and familiarize yourself with the model completely. If you decide this model is not the right choice for you or you do not want to assume responsibility for your safety, then do not attempt to start it. Do not run the vehicle at all and please contact us to make arrangements to return your vehicle.

If your vehicle arrives with damage from transit please do not run the vehicle and contact us. Used vehicles cannot be accepted for returns or exchanges under any circumstances. If you have any questions about your dragster, please email us at Sales@PrimalRC.com. Maintenance and replacement parts may be purchased directly from www.PrimalRC.com.

Your satisfaction is our primary goal at Primal RC!



## **CAUTIONS**



To prevent serious personal injury and/or property damage, operate all remotely controlled models in a responsible manner as outlined herein.

#### CHOOSE THE RIGHT PLACE TO OPERATE YOUR R/C MODEL.

- Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or damage.
- Never run R/C models near people or animals.
- To avoid injury, do not run in confined spaces.
- Do not run where loud noises can disturb others, such as hospitals and residential areas.
- Never run indoors. There is high risk of fire and/or damage.

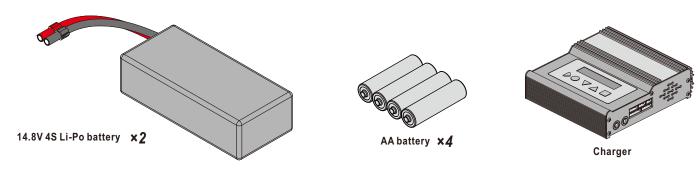
#### INSPECT YOUR MODEL BEFORE OPERATION.

- Make sure that screws and nut are properly tightened. It is also a good idea to use removable thread lock wherever metal screws go into metal, especially for engine mounts and the engine pilot shaft.
- Always use fresh batteries for your transmitter and for your receiver to avoid losing control of the model.
- Always test the brakes and throttle before starting your engine to avoid losing control of the model.
- Make sure no one else is using the same radio frequency as you are using.

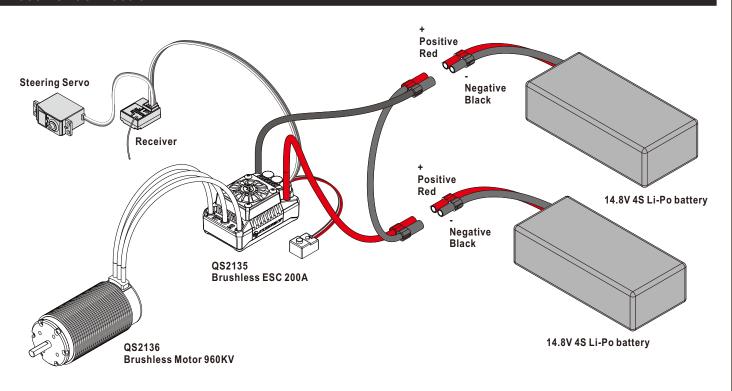
#### AFTER OPERATION OF YOUR R/C MODEL.

- Turn off receiver first, then turn off transmitter, this will prevent runaways.
- Be careful when handling batteries, they will be hot after running.
- Replace any batteries that have been dented or have frayed wires, short circuits can cause fire.
- Be sure to keep your R/C model clean of excess dirt and grease, this will increase the life.

# Equipment needed

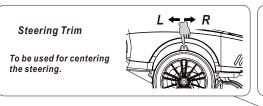


## Receiver Connection



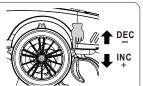


# Radio Function & Operations

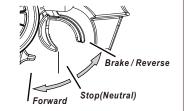


Steering Dual Rate

To be used to adjust steering servo throw.



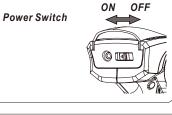
Throttle Trigger



To be used for throttle operation.

Antenna

Built-in



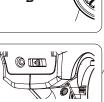
Throttle Trim

To be used for centering the throttle.



3CH Switch

This switch is used for optional parts.

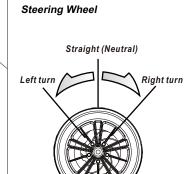








Do not mix batteries of different ages or types.



**Bind Switch** 

Programming a receiver to recognize the code of only one specific transmitter.

Attention

Programming

Selecting menus and programming the transmitter.

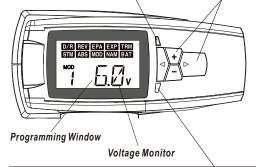
D/R Steering Dual Rate

To be used to adjust steering servo throw. REV Reverse Switch

Adjustment the throttle and steering when it is

EPA End Point / EPA

End point adjustments allow you to set the limits of all channels.



EXP Exponential

To be used to adjust steering and throttle channel control exponential.

TRM Servo Trim

To be used for centering the steering and throttle.

ABS Anti-Lock Braking System

Primarily used on gasoline or glow models that feature a throttle servo.

STM Servo Sub-Trim

To be used for centering the steering and throttle. MOD Model Select

Allows you to store and retrieve programming Data for any model 0 through 9.

NAM Model naming

Allows you to name each of the 10 different models.

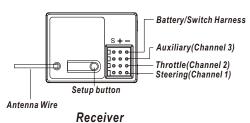
**Battery Level Indicator** 



Low Ratteries (Light Blinks)

**Exchange Batteries** 

When the battery level indicator(LED) blinks in red, replace the batteries with new ones immediately.



#### **Binding**

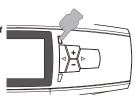
Before beginning the binding process, connect the switch harness, servos, and the receiver battery to your MR-3D receiver. Make sure that both the transmitter and the receiver are turned OFF.

- 1. Turn the transmitter ON.
- 2. Press and hold the receiver setup button, then turn the power switch on the ON position. The receiver LED will flash quickly. Release the setup button
- 3. Press and hold the binding button on the transmitter for 1 second until the LED on the receiver is continuously lit.

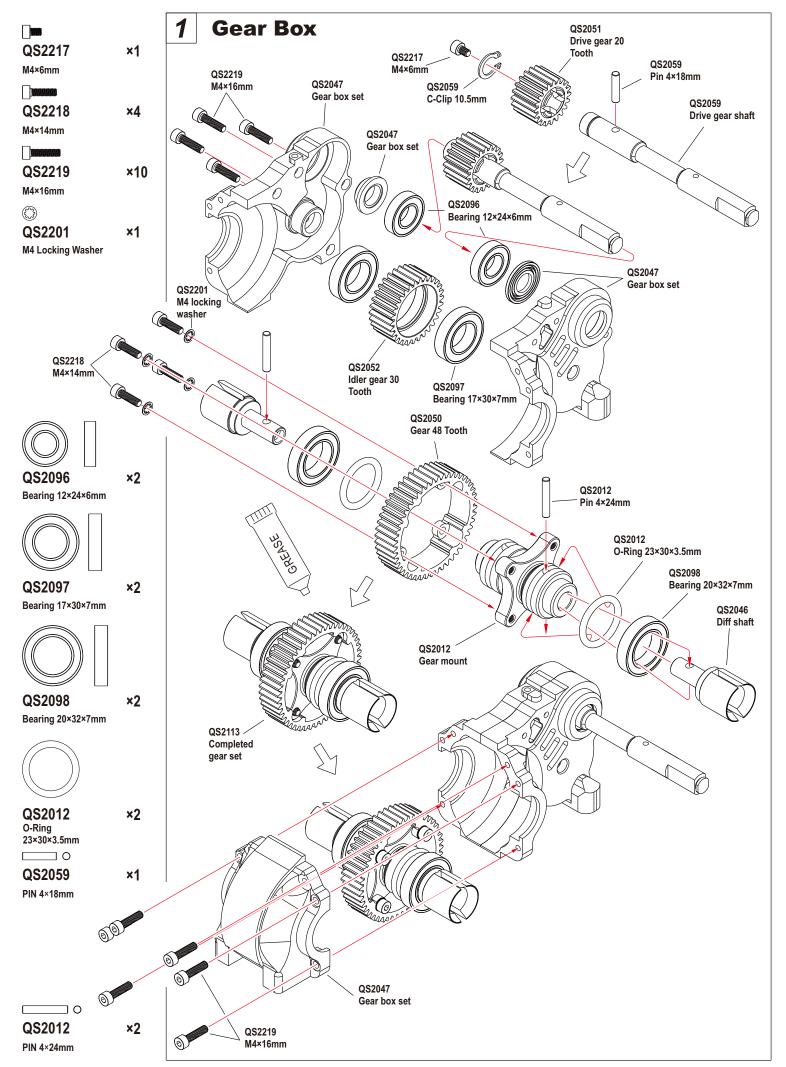
#### Fail-safe setup

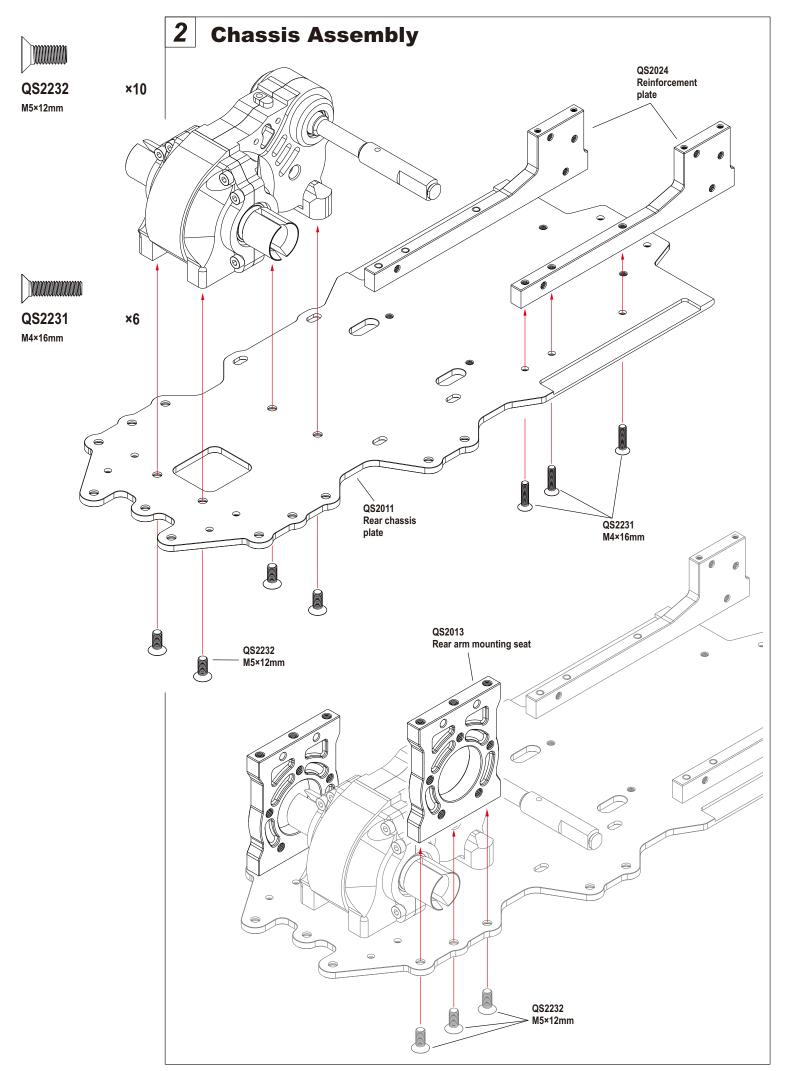
1. Move the steering wheel or throttle trigger to the position where you want the servo to move, press and hold the receiver setup button for 2 second until the red LED on the receiver flash slowly, then press and hold the receiver setup button again within 5 seconds until the receiver LED is continuously lit, that's mean the F/S function has been correctly set.

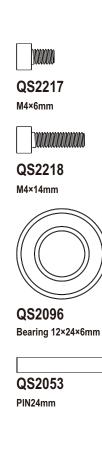
2. Verify if the failsafe function has been correctly set. Turn off the transmitter, then check if the servos moves to the position that you set.









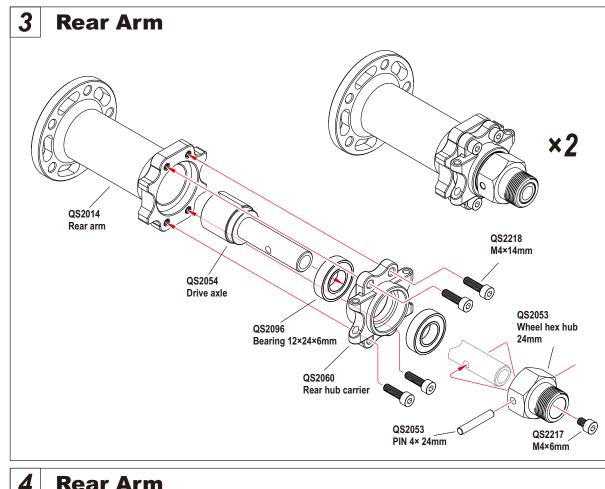


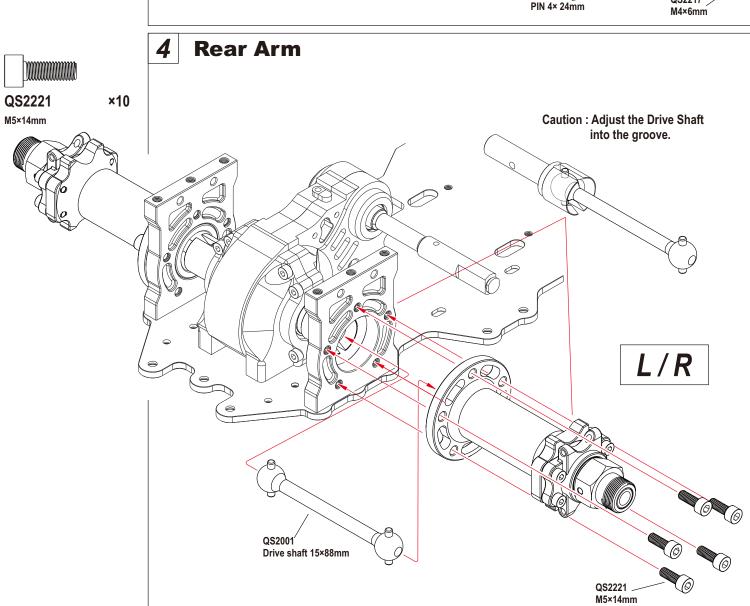
**x2** 

**x8** 

×4

**x2** 

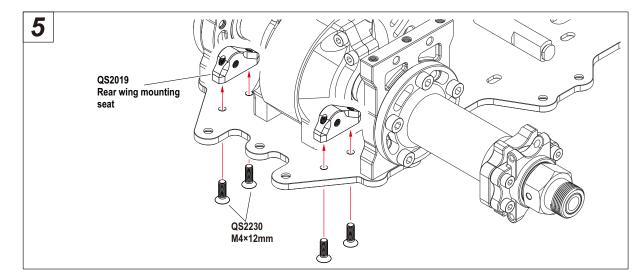






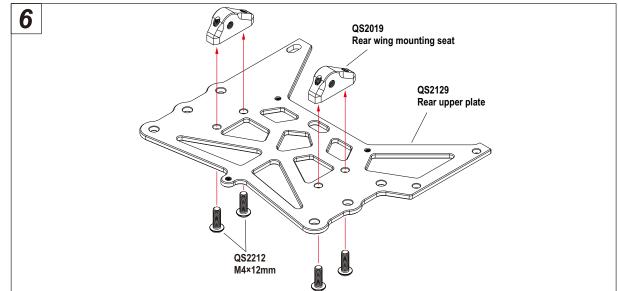
QS2230 M4×12mm

×4





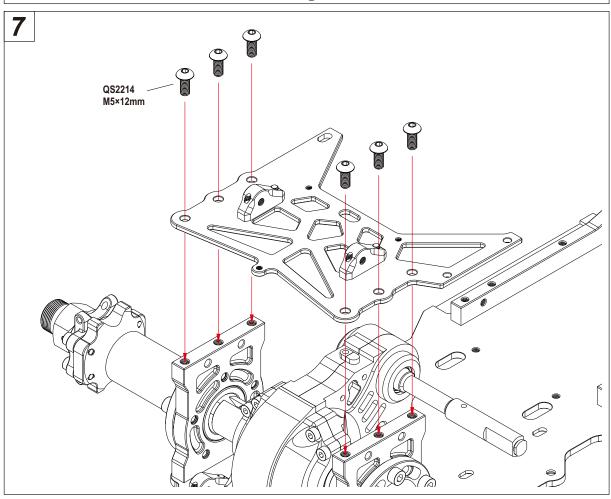
QS2212 ×4 M4×12mm



QS2214

QS2214 ×6

M5×12mm





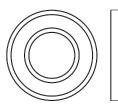
**QS2257** ×4 M4×12mm



**QS2260 x2** 

M5×5mm

**QS2231 x2** M4×16mm



**QS2096 ×2** Bearing 12×24×6mm



**QS2246 x**1 M4 Spring Washer



QS2201 **×1** M4 Locking Washer

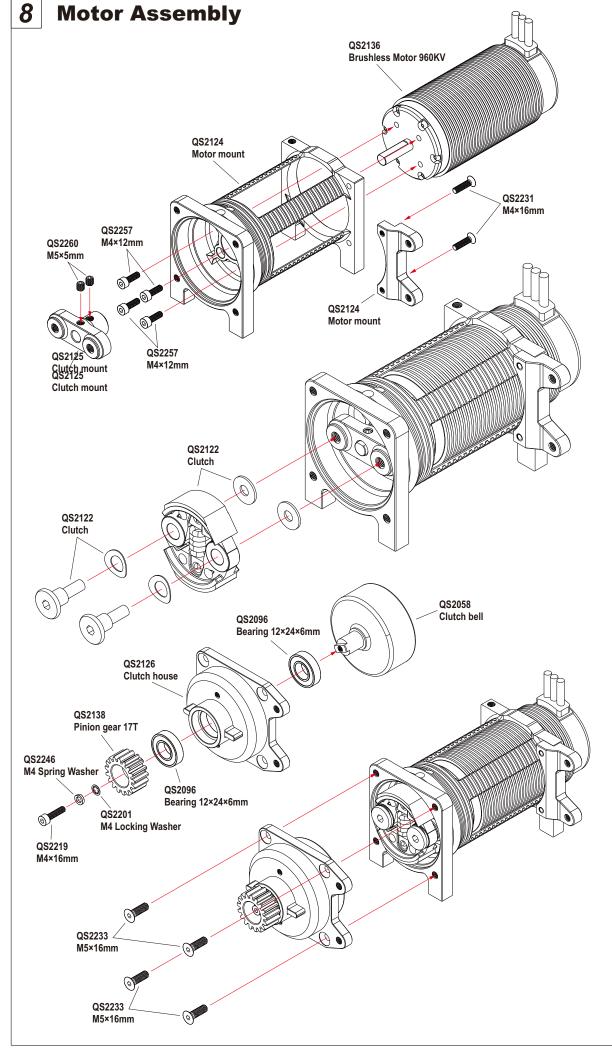


**QS2219 x**1 M4×16mm

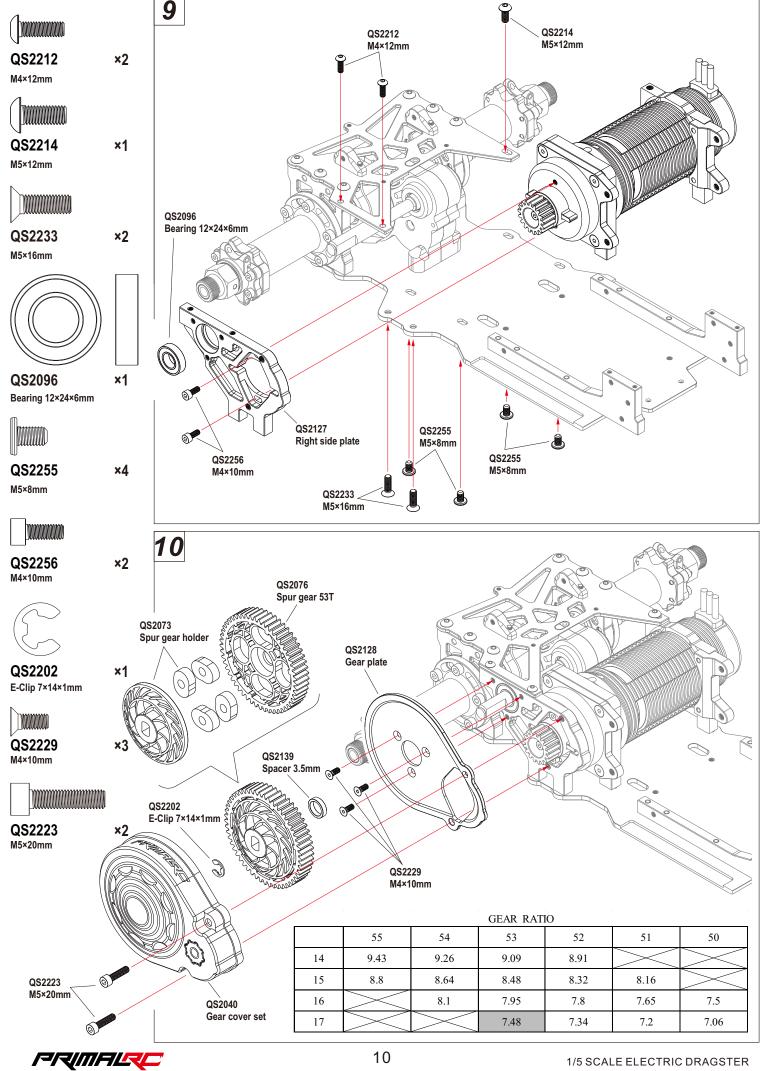


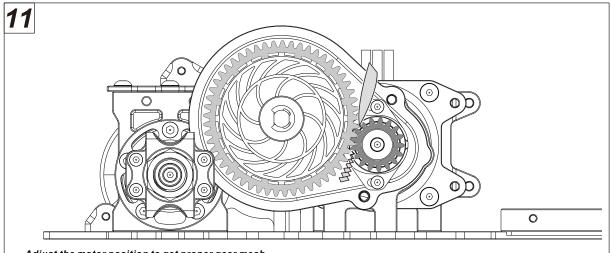
**QS2233** 

×4 M5×16mm





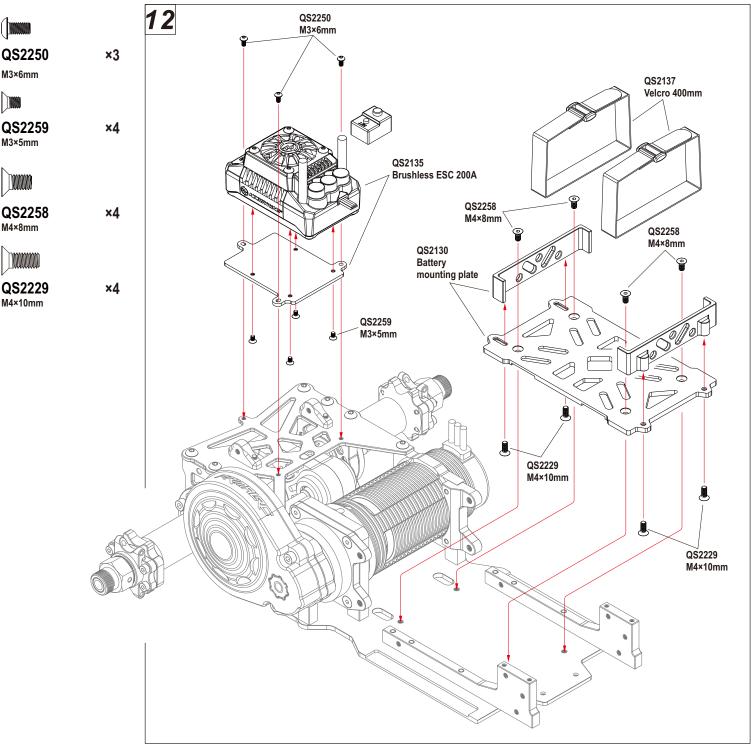




Adjust the motor position to get proper gear mesh.

To get a perfect gear mesh, place a piece of paper between the gears and tighten the motor mount screws.

The spur gear may be damaged if the gear mesh is wrong.





**QS2230** 

×6

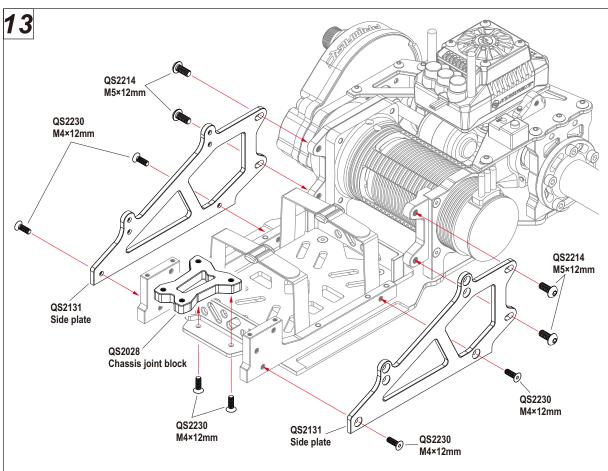
×4

M4×12mm



**QS2214** 

M5×12mm





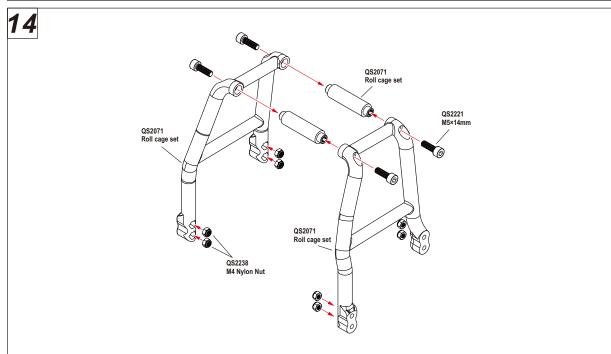
**QS2221** ×4

M5×14mm



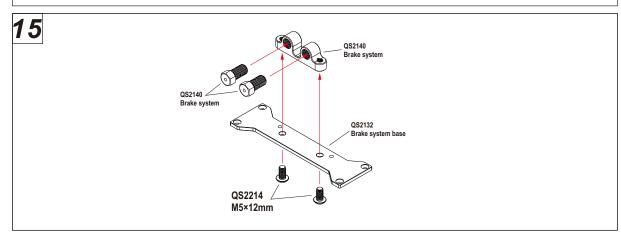
**QS2238 x8** 

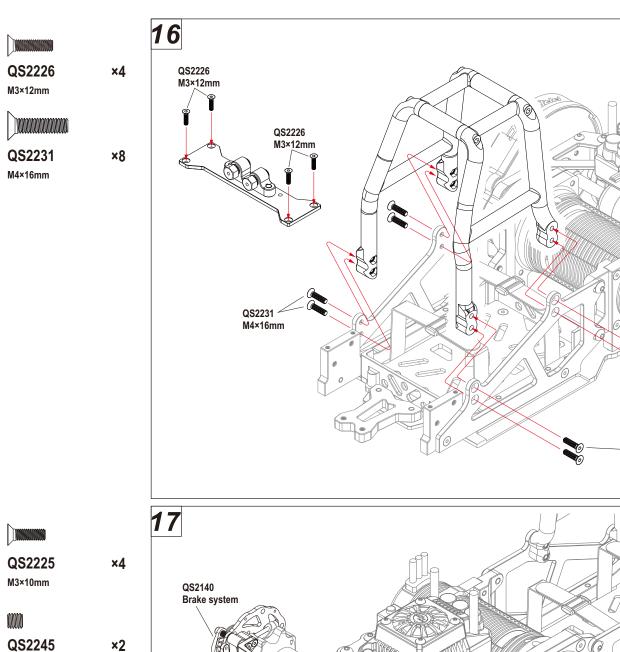
M4 Nylon Nut

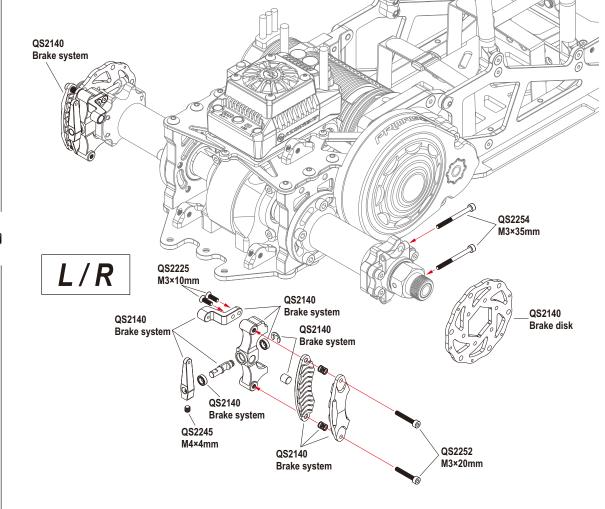




**x2** 









M4×4mm

**QS2252** 

M3×20mm

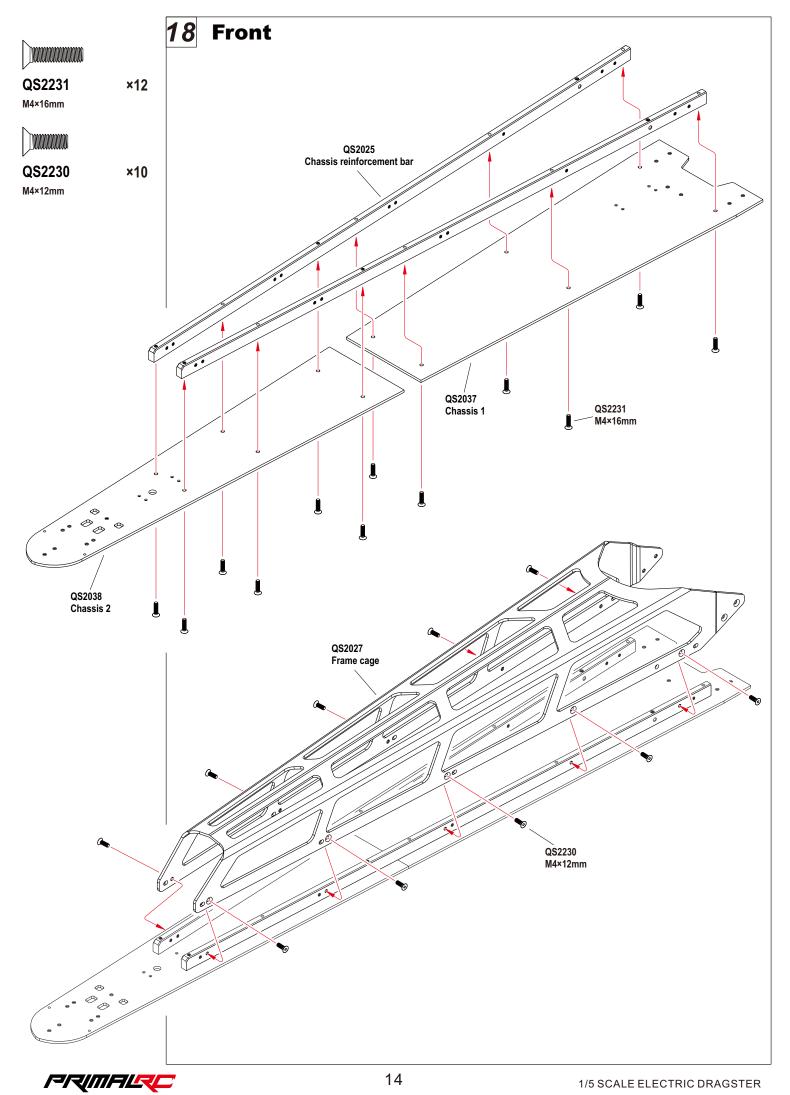
QS2254

M3×35mm

×4

×4

QS2231 M4×16mm



QS2242 ×2

M3×3mm

QS2032 ×2

PIN 2×11mm

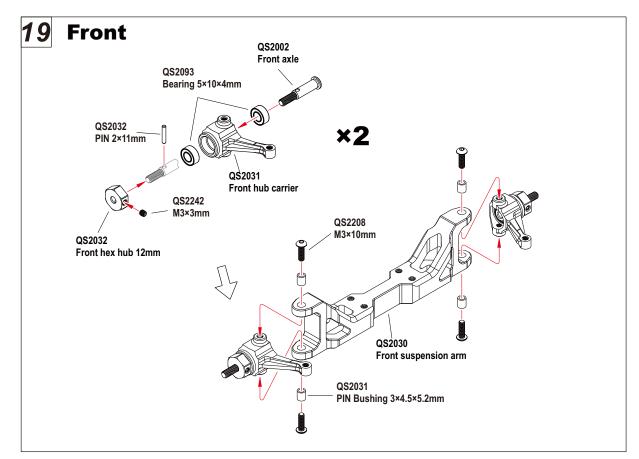


QS2093 ×4
Bearing 5×10×4mm

QS2208 ×4

M3×10mm

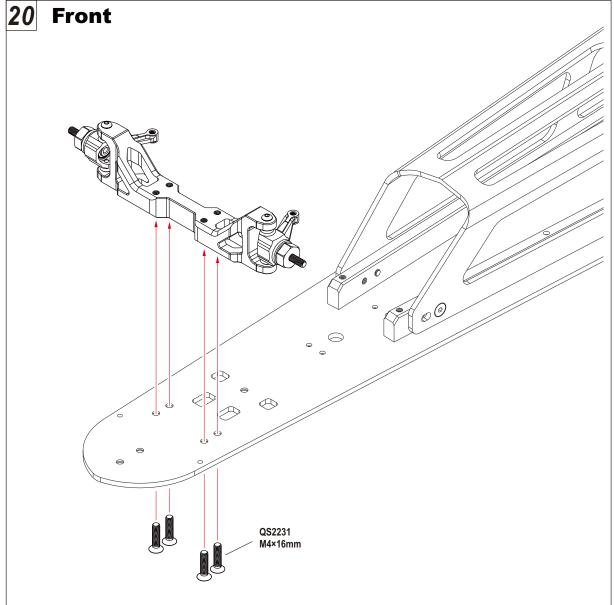
QS2031 ×4 PIN Bushing 3×4.5×5.2mm





QS2231 ×4

M4×16mm



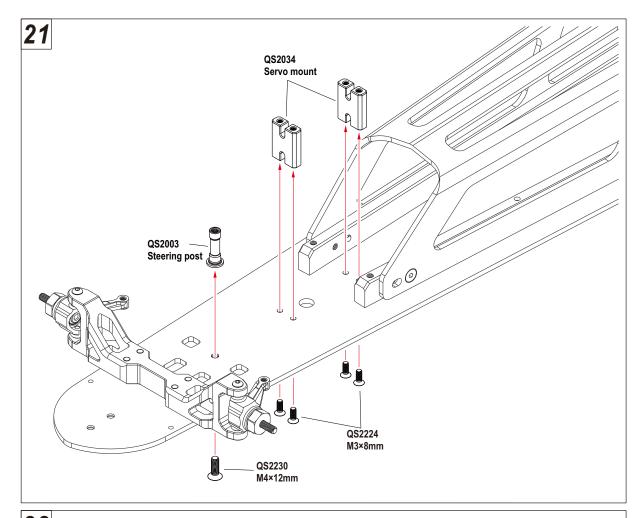


**QS2224** ×4 M3×8mm



**QS2230 ×1** 

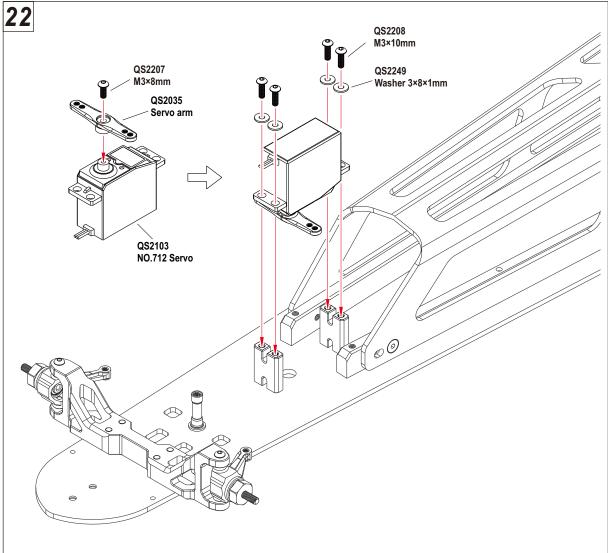
M4×12mm

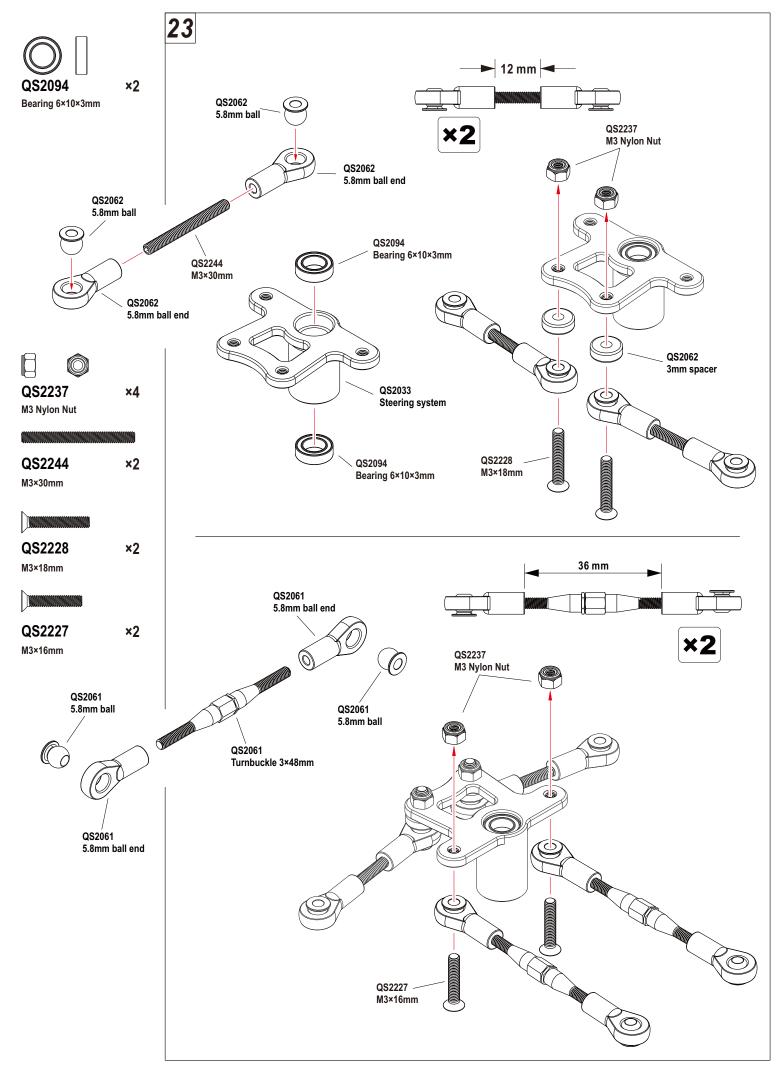


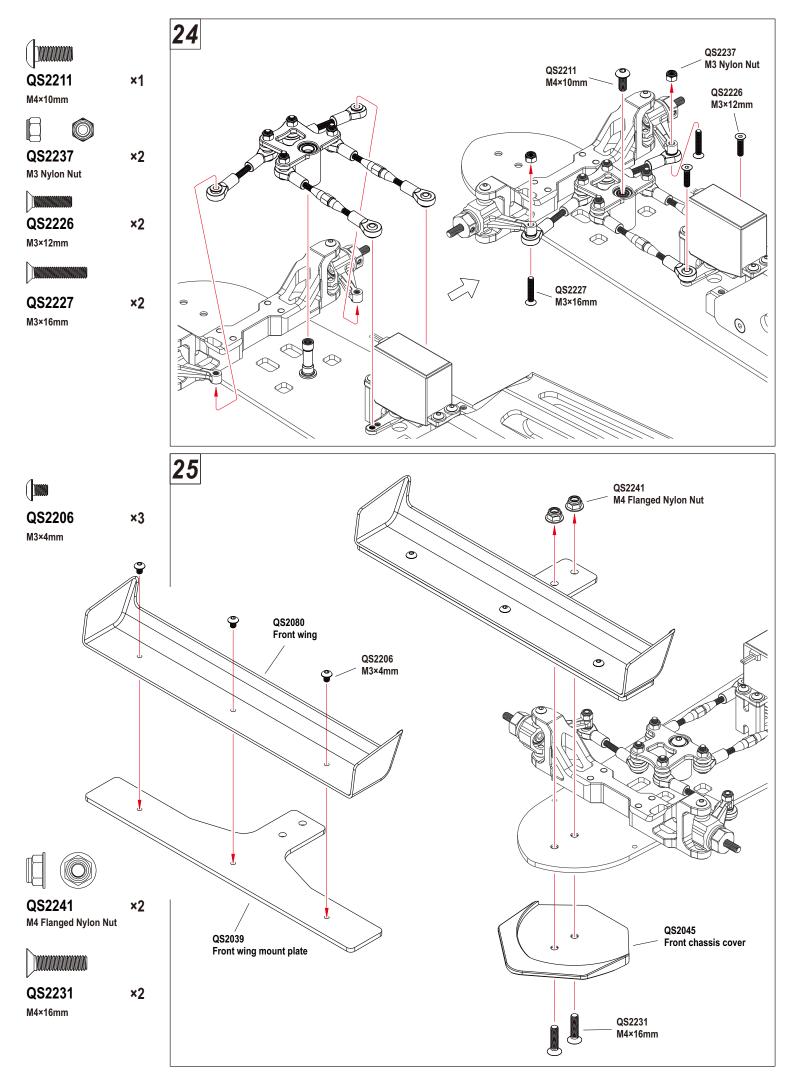


**QS2208** ×4 M3×10mm

QS2249 ×4 Washer 3×8×1mm



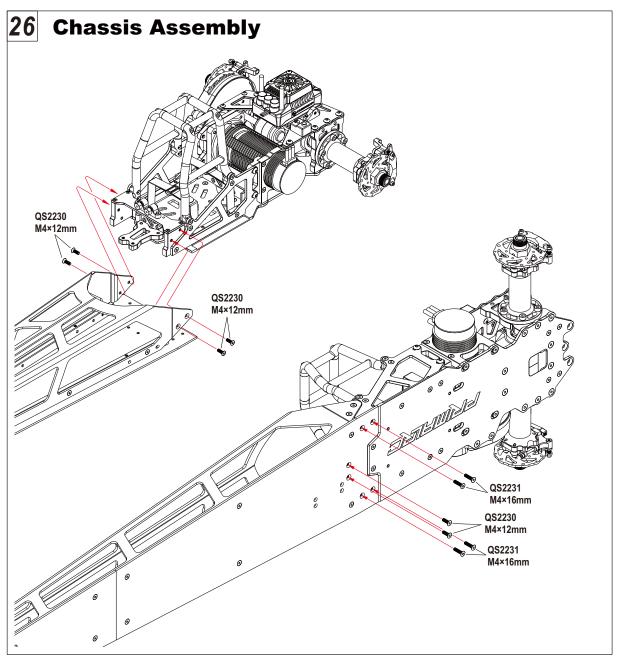




QS2230 ×6 M4×12mm

QS2231 ×4

M4×16mm

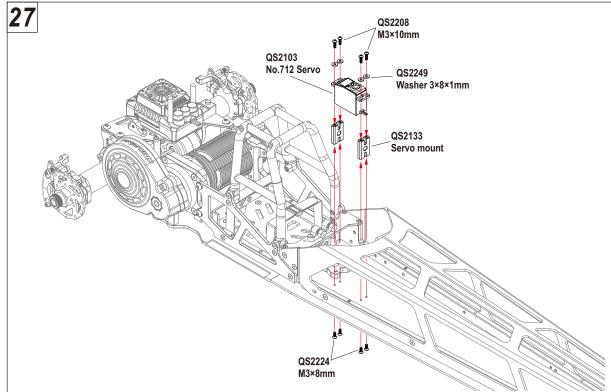


QS2224 ×4
M3×8mm

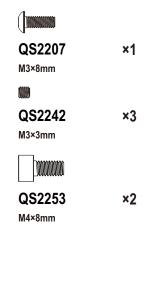
QS2208 ×4 M3×10mm

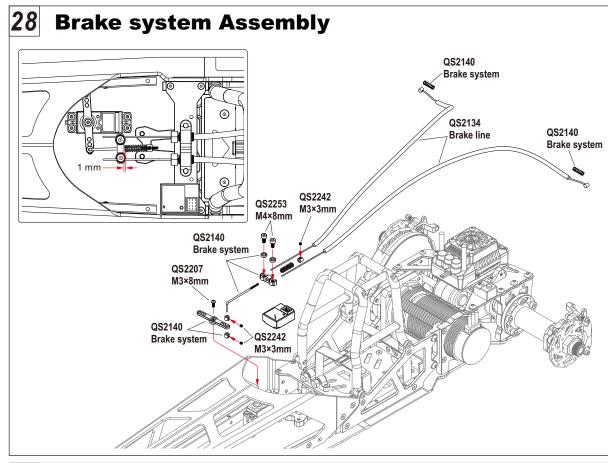
QS2249 ×4

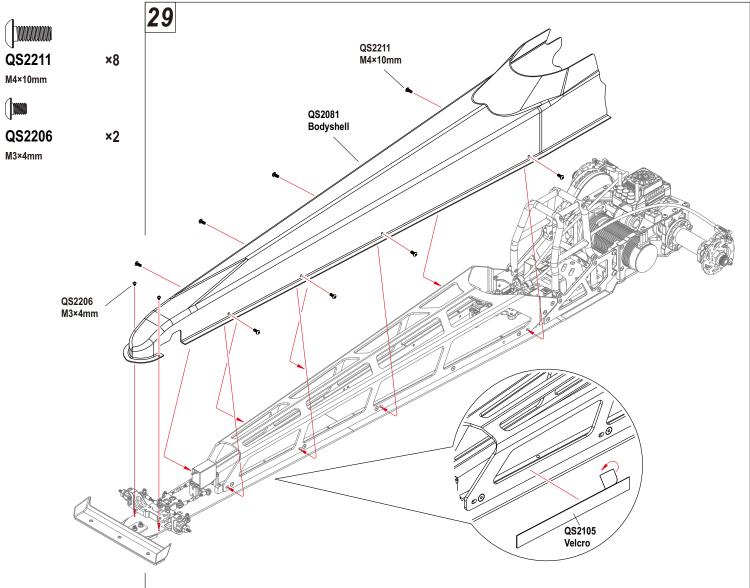
Washer 3×8×1mm

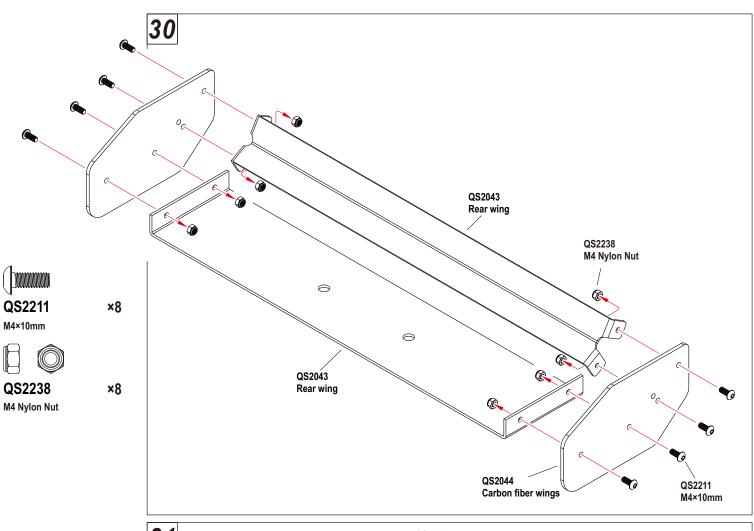








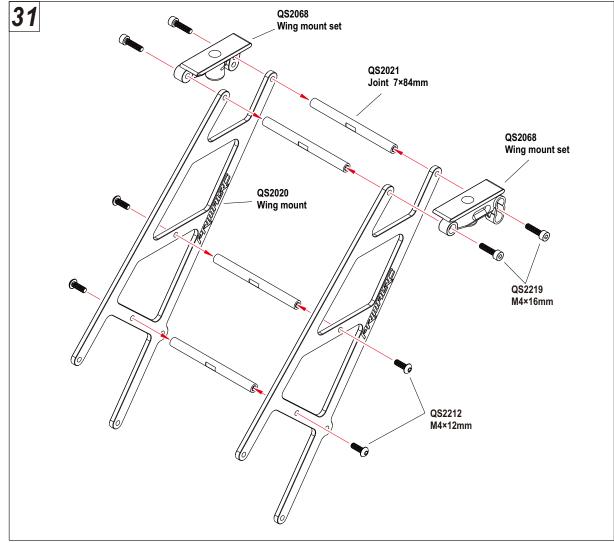




QS2212 ×4 M4×12mm



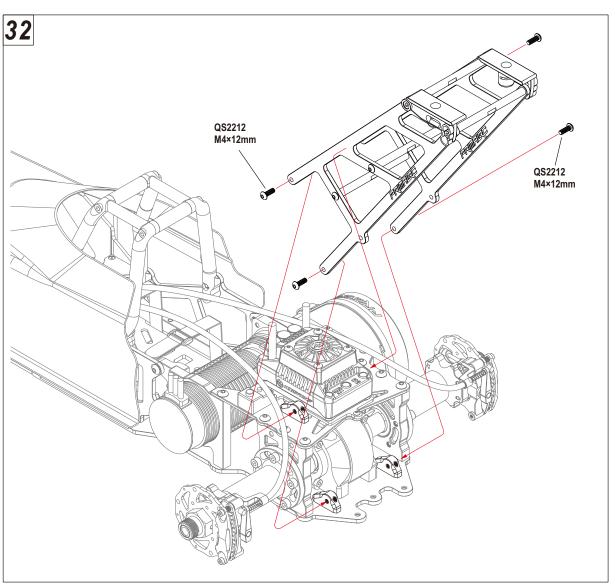
QS2219 ×4 M4×16mm

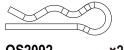




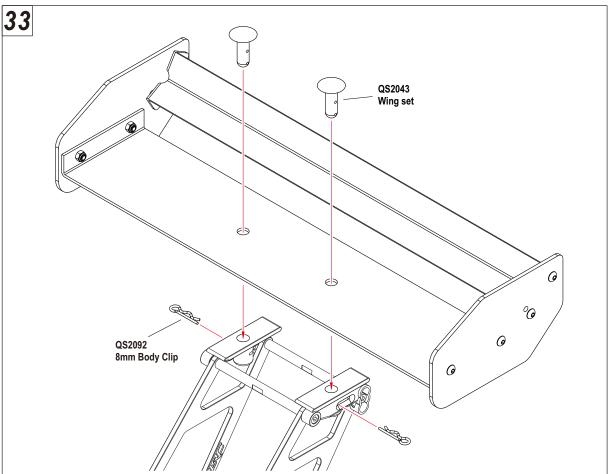
QS2212 M4×12mm

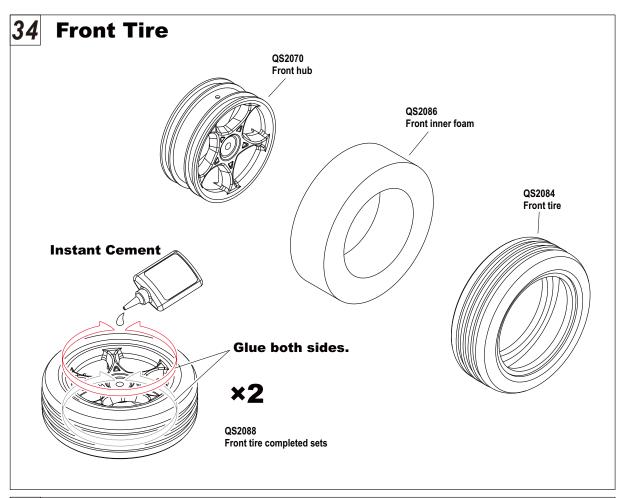
×4

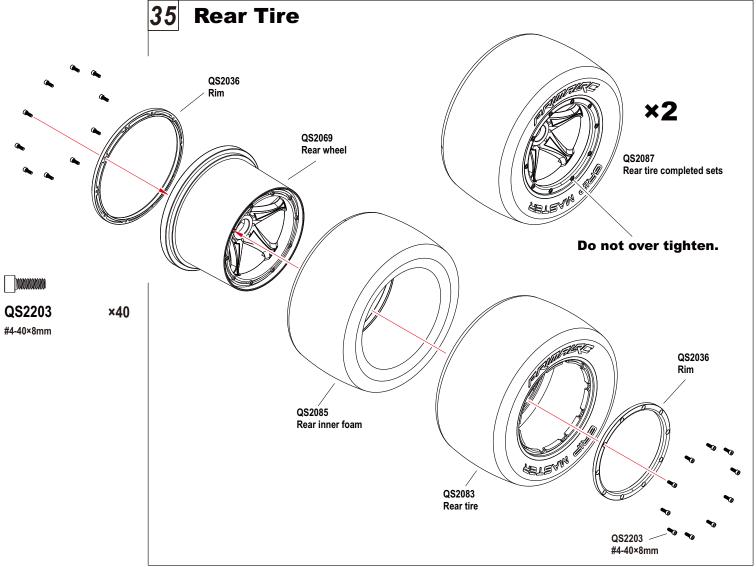


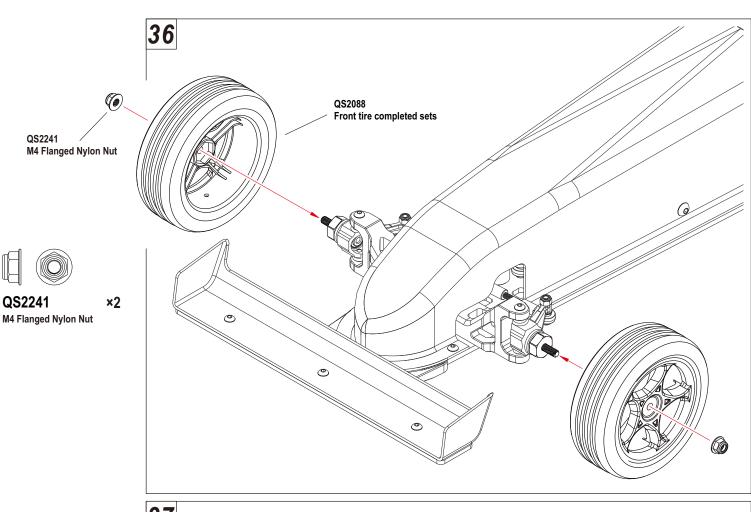


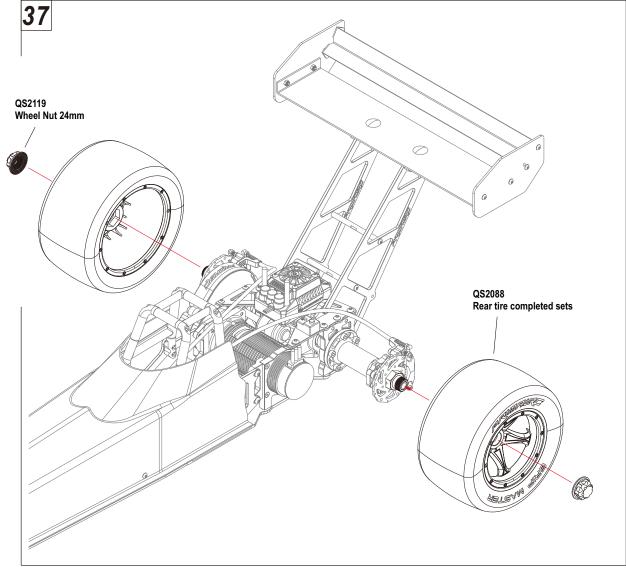
QS2092 ×2 8mm Body Clip

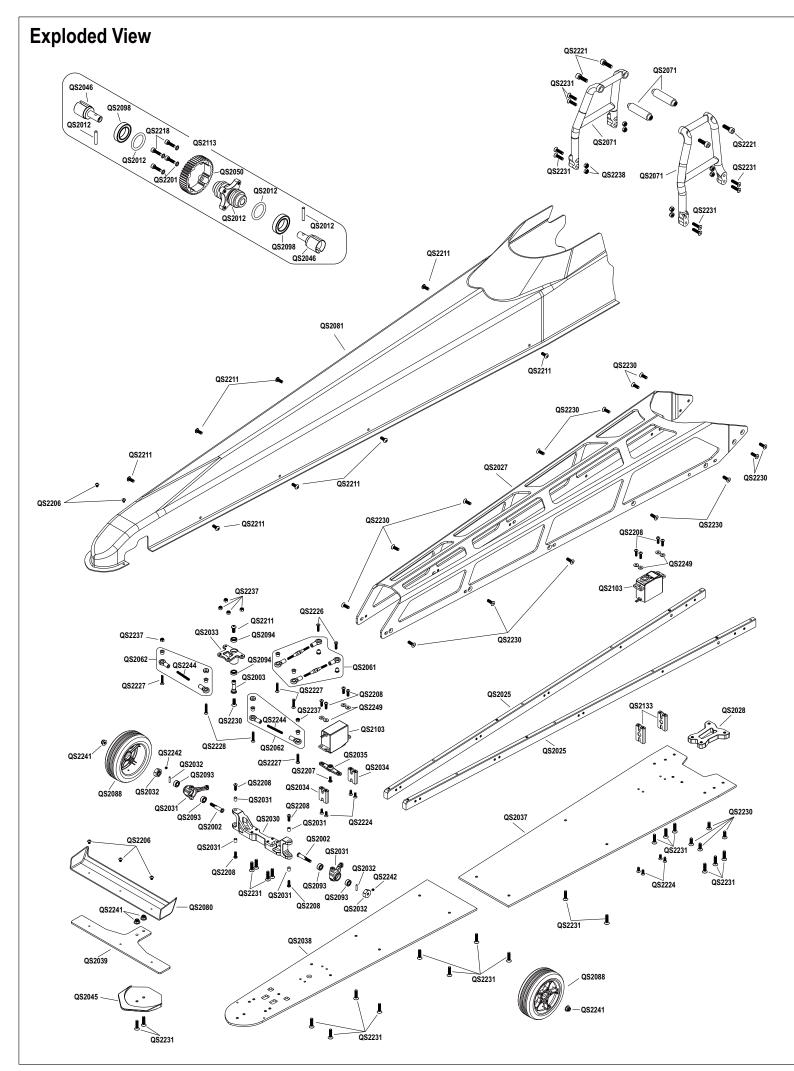


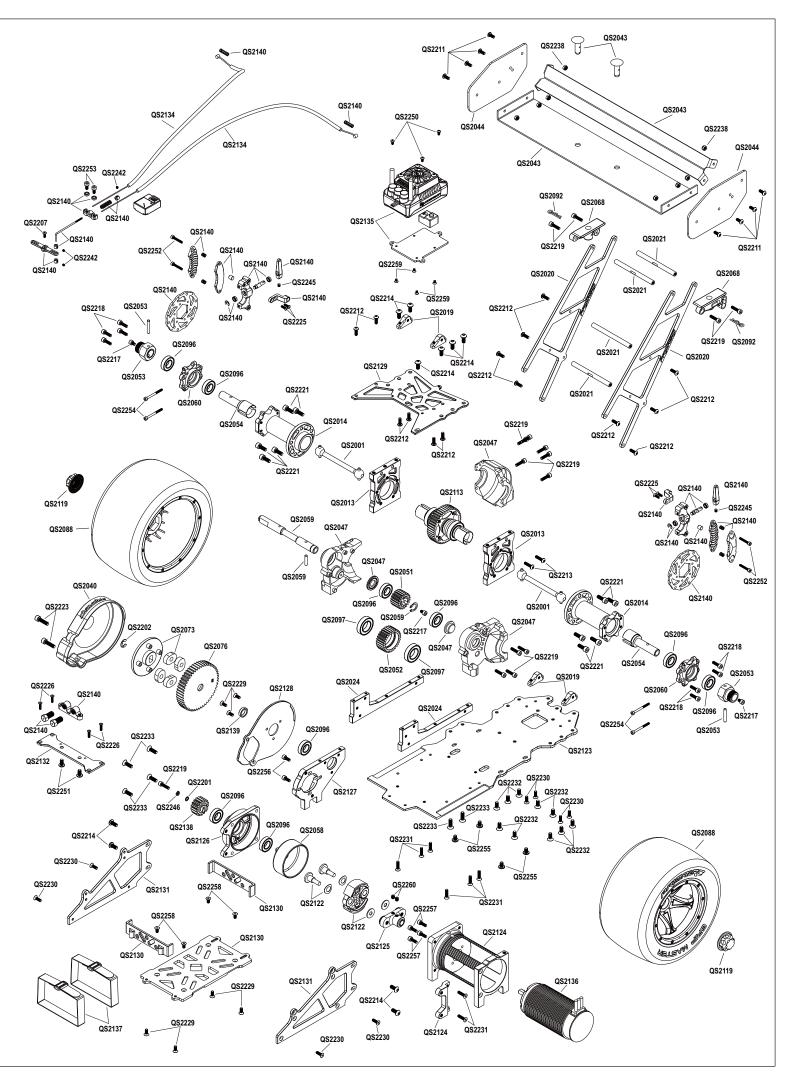












# Parts list

Part #	QTY	Description	Part #	QTY	Description
QS2001	2	Drive shaft 15×88mm	QS2124	1	Motor mount
QS2002	2	Front axle	QS2125	1	Clutch mount
QS2003	1	Steering post	QS2126	1	Clutch house
QS2012	1	Gear mount	QS2127	1	Right side plate
QS2013	1	Rear arm mounting seat	QS2128	1	Gear plate
QS2014	1	Rear arm	QS2129	1	Rear upper plate
QS2019	4	Rear wing mounting seat	QS2130	1	Battery mounting seat
QS2020	2	Wing mount	QS2131	1	Side plate
QS2021	4	Joint 7×84mm	QS2132		Brake system base
QS2024	2	Reinforcement plate	QS2133		Servo mount
QS2025	2	Chassis reinforcement bar	QS2133	_	Brake line
QS2027		Frame cage	QS2135	_	Brushless ESC 200A
QS2028		Chassis joint block	QS2136		Brushless Motor 960kv
QS2030		Front suspension arm	QS2137		Velcro 400mm
QS2031	2	Front hub carrier	QS2138		Pinion gear 17T
QS2032		Front hex hub 12mm	QS2139		Spacer 4mm
QS2033	_	Steering system	QS2140		Brake system
QS2034		Servo mount			•
QS2035		Servo arm	QS2201	10	M4 locking washer
QS2036		Rim	QS2202	10	E-Clip 7×14×1mm
QS2037		Chassis 1	QS2203	10	#4-40×8 Cap head screw
QS2038		Chassis 2	QS2204		M2.5×6 Button head screw
QS2039		Front wing mount	QS2205		M2.5×10 Button head screw
QS2040		Gear cover set	QS2206	10	M3×4 Button head screw
QS2043		Rear wing set	QS2207		M3×8 Button head screw
QS2044		Carbon fiber wings	QS2208		M3×10 Button head screw
QS2045		Front chassis cover	QS2209		M3×14 Button head screw
QS2046		Diff shaft	QS2210		M4×6 Button head screw
QS2047		Gear box set	QS2211	10	M4×10 Button head screw
QS2050		Gear 48 tooth	QS2212		M4×12 Button head screw
QS2051	1	Drive gear 20 tooth	QS2213		M4×16 Button head screw
QS2052		Idle gear 30 tooth	QS2214		M5×12 Button head screw
QS2053		Wheel hex hub 24mm	QS2215		M5×25 Button head screw
QS2054		Drive axle	QS2216	10	M6×20 Button head screw
QS2058		Clutch bell	QS2217		M4×6 Cap head screw
QS2059		Drive gear shaft	QS2218	10	M4×14 Cap head screw
QS2060		Rear hub carrier	QS2219	10	M4×16 Cap head screw
QS2061	2	Turnbuckle for servo	QS2220	10	M4×45 Cap head screw
QS2062		Turnbuckle for steering	QS2221	10	M5×14 Cap head screw
QS2068		Wing mount set	QS2222	10	M5×16 Cap head screw
QS2069		Rear wheel	QS2223	10	M5×20 Cap head screw
QS2009 QS2070		Front hub	QS2224	10	M3×8 Flat head screw
QS2070	1	Roll cage set	QS2225	10	M3×10 Flat head screw
QS2071		Spur gear holder	QS2226	10	M3×12 Flat head screw
QS2073		. •	QS2227	10	M3×16 Flat head screw
	1	Spur gear 55 tooth	QS2228	10	M3×18 Flat head screw
QS2075	1	Spur gear 54 tooth	QS2229		M4×10 Flat head screw
QS2076		Spur gear 53 tooth	QS2230		M4×12 Flat head screw
QS2077	1	Spur gear 52 tooth	QS2231		M4×16 Flat head screw
QS2078	1	Spur gear 51 tooth	QS2232		M5×12 Flat head screw
QS2079	1	Spur gear 50 tooth	QS2233		M5×14 Flat head screw
QS2080	1	Front wing	QS2234		M5×20 Flat head screw
QS2081	1	Bodyshell	QS2235		M5×25 Flat head screw
QS2083	2	Rear tire	QS2236		M6×16 Flat head screw
QS2084		Front tire	QS2237		M3 Nylon nut
QS2085	2	Rear inner foam	QS2238	10	M4 Nylon nut
QS2086	2	Front inner foam	QS2239	10	M5 Nylon nut
QS2087	2	Rear tire completed sets	QS2240	10	M3 Flanged nylon nut
QS2088	2	Front tire completed sets	QS2241	10	M4 Flanged nylon nut
QS2090	10	Gummed wire clamp	QS2242	10	M3×3 Set screw
QS2092	10	8mm body clip	QS2243	10	M3×8 Set screw
QS2093		Bearing 5×10×4mm	QS2244	10	M3×30 Set screw
QS2094		Bearing 6×10×3mm	QS2245	10	M4×4 Set screw
QS2096		Bearing 12×24×6mm	QS2246	10	M4 Spring washer
QS2097		Bearing 17×30×7mm	QS2247	10	M5 Spring washer
QS2097 QS2098		Bearing 20×32×7mm	QS2248		ST3×12 Tp.Flanged screw
		•	QS2249		Washer 3×8×1mm
QS2101	1	Antenna pipe	QS2250		M3×6 Button head screw
QS2102		Transmitter	QS2251	10	M5×10 Button head screw
QS2103		No.712 servo	QS2252		M3×20 Cap head screw
QS2105 QS2110		Velcro 700mm Wrench	QS2253		M4×8 Cap head screw
QS2110 QS2111	1 1	Wheel wrench	QS2254		M3×35 Cap head screw
QS2111 QS2113	1	Completed gear set	QS2255		M5×8 Cap head screw
QS2113 QS2114		Stripes Sticker	QS2256		M4×10 Cap head screw
		•			M4×10 Cap head screw
QS2115	1	Lightning Sticker	QS2257	10	-
QS2116		Receiver extension wire	QS2258		M4×8 Flat head screw
QS2119		Wheel nut 24mm Clutch	QS2259		M3×5 Flat head screw
QS2122 QS2123		Chassis plate	QS2260	10	M5×5 Set screw
GOL 123	•	onaccio piato			



