

**INSTRUCTION MANUAL** 



# REDEFINE THE FLIGHT EXPERIENCE

WITH GOOSKY, BE A LEGEND 3D PERFORMANCE



Thank you for buying GOOSKY products. The RS6 Helicopter is designed as an easy to use, full featured radio control helicopter capable of all forms of rotary flight. Please read the manual carefully before assembling the model, and follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance and tuning.

The RS6 is a new product developed by GOOSKY. It features the best design available on the Heli market to date, providing flying stability for beginners, full aerobatic capbility for advanced fliers, and unsurpassed reliability and customer support.

#### WARNING LABEL LEGEND

WARNING	Mishandling due to failure to follow these instructions may result in damage or injury.
! CAUTION	Mishandling due to failure to follow these instructions may result in danger.
FORBIDDEN	Do not attempt under any circumstances.

#### IMPORTANT NOTES

R/C helicopters, including the RS6 are not toys. R/C helicopters utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in serious injury or even death. Please read this manual carefully before use, to be conscious of your own personal safety, the safety of others, and your environment when operating all GOOSKY products.

Manufacturer and seller assume no liability for the operation or the use of this product. Intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product we cannot maintain any control over its operation or usage.

We recommend that you obtain the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. The RS6 Helicopter requires a certain degree of skill to operate, and is a consumer item. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warranty and cannot be returned for repair or replacement. Please contact our distributors for free technical consultation and parts at discounted rates if you experience problems during operation.

### SAFETY NOTES



CAUTION

Fly only in safe areas, away from other people. Do not operate R/C helicopter within the vicinity of homes or crowds of people. R/C helicopter are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation of the R/C helicopter.



FORBIDDEN

#### LOCATE AN APPROPRIATE LOCATION

R/C helicopters fly at high speed, thus posing a certain degree of potential danger. Choose a legal flying field consisting of flat, smooth ground without obstacles.

Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others and your model.

For the first practice, please choose a legal flying field and use training skids to fly to reduce the damage. Do not fly your model in inclement weather such as rain, snow or darkness.





#### PREVENT MOISTURE

R/C models are composed of many precision electrical components.

It is crtical to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the model to malfuntion resulting in loss of use, or a crash. Do not operate or expose to rain or moisture.





**FORBIDDEN** 

#### FORBIDDEN PREVENT OPERATION

Please use only Goosky parts to ensure the safe operation of your helicopter.





#### **OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT**

Before turning on your model and transmitter, check to make sure no one else is operating on the same frequency. Frequency interference can cause your model or other models to crash. The guidance provided by an experienced pilot will be invaluable for the assembly, tuning, trimming and actual first flight. We recommend you practice with a computer-based flight simulator.





WARNING

#### SAFE OPERATION

Operate this unit within your ability. Do not fly under impaired conditions and improper operation may cause danger to yourself and others.





CAUTION

#### ALWAYS BE AWARE OF THE ROTATING BLADES

During the operation of the helicopter, the main rotor and tail rotor will be spinning at a high rate of speed. The blades are capable of inflicting serious bodily injury and damage to the environment. Be conscious of your actions, and careful to keep your face, eyes, hands, and loose clothing away from the blades. Always fly the model a safe distance from yourself and others, as well as surrounding objects. Never take your eyes off the model or leave it unattended while it is turned on. Immediately turn off the model and transmitter when you have landed model.





CAUTION

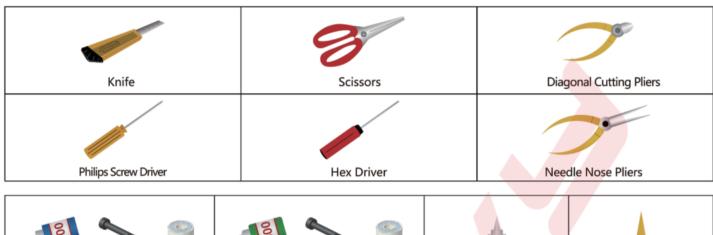
#### SAFE OPERATION

R/C models are made of various foms of plastic is very susceptible to damage or deformation due to extreme heat and cold climate.

Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors in a climate-controlled room.









Blue bottle in the illustration means you need to use Medium strength thread lock on the screws and bearings.



Green bottle in the illustration means you need to use retaining compound on the screws and bearings.

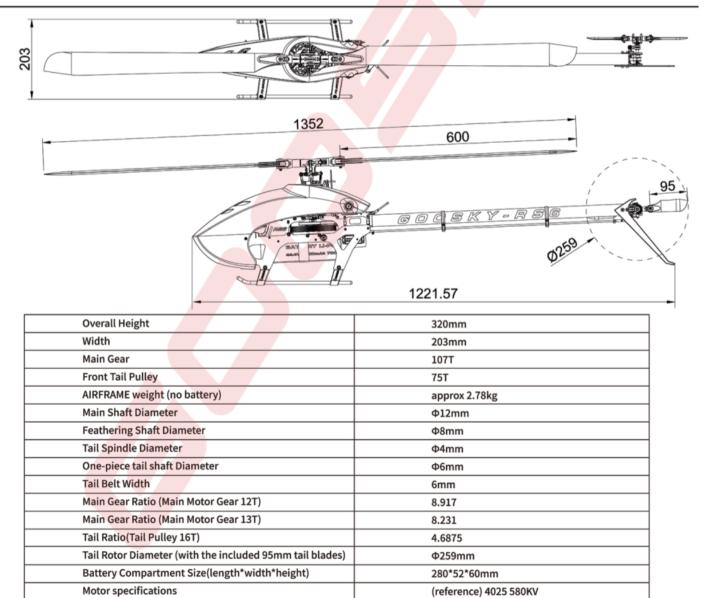


Grease

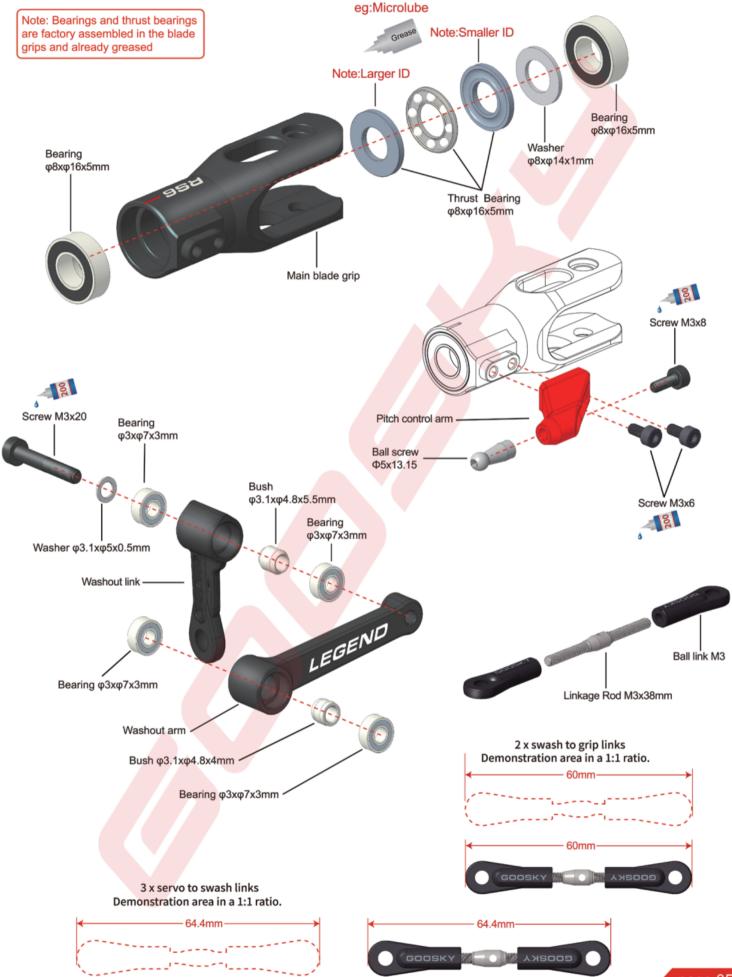


Remark: All the glue, grease are not included in the package.

#### SPECIFICATIONS







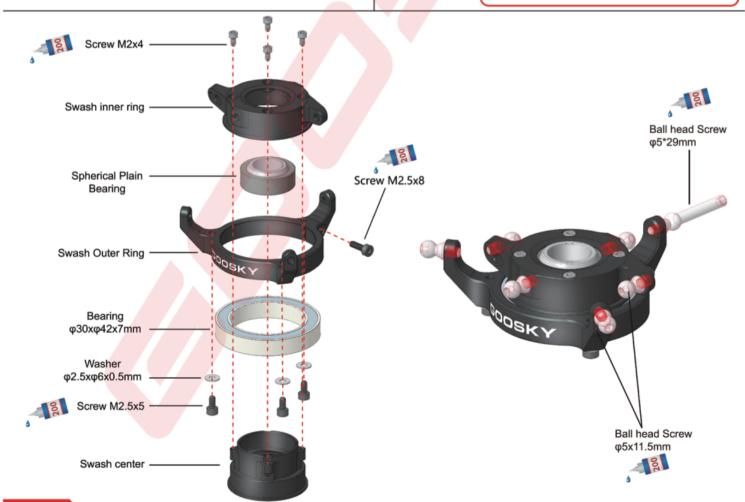
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inserted into the Center

hub from the side with the round cutout.

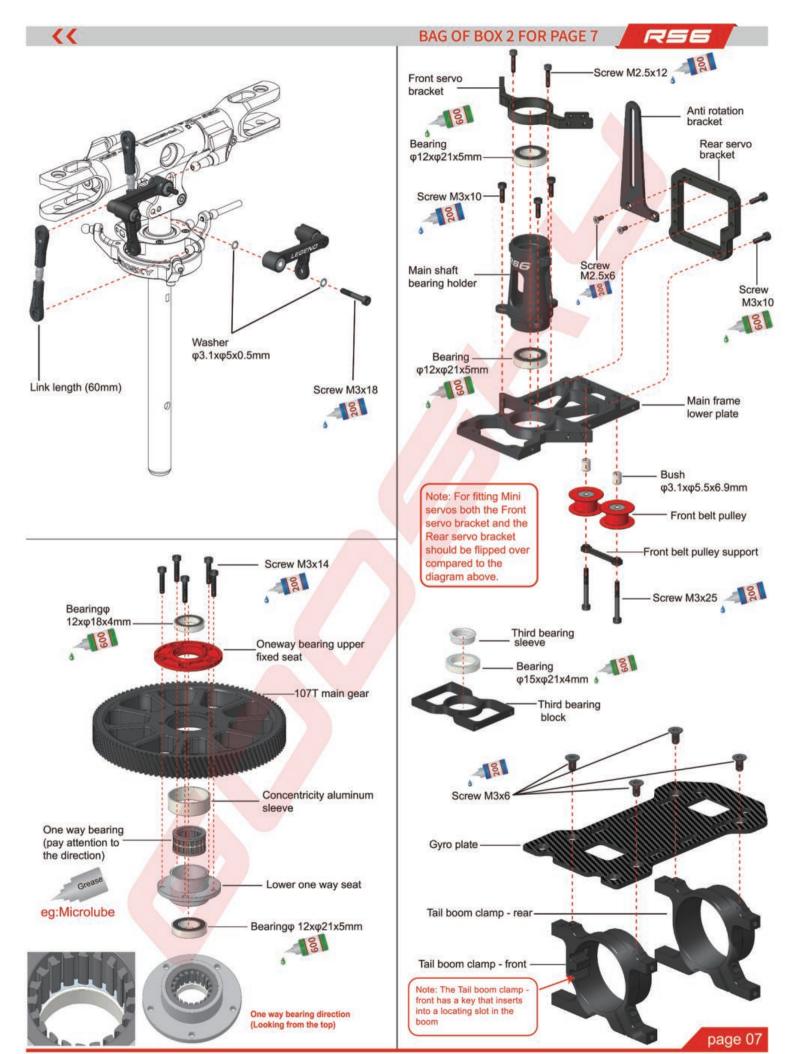


Washer

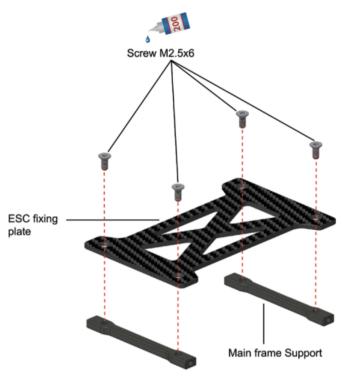
φ8.2xφ13x0.1mm

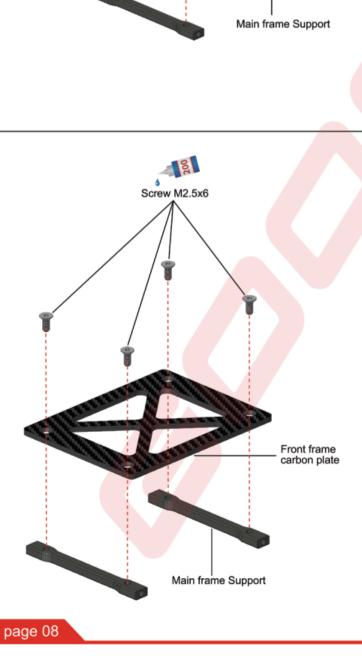
CAUTION

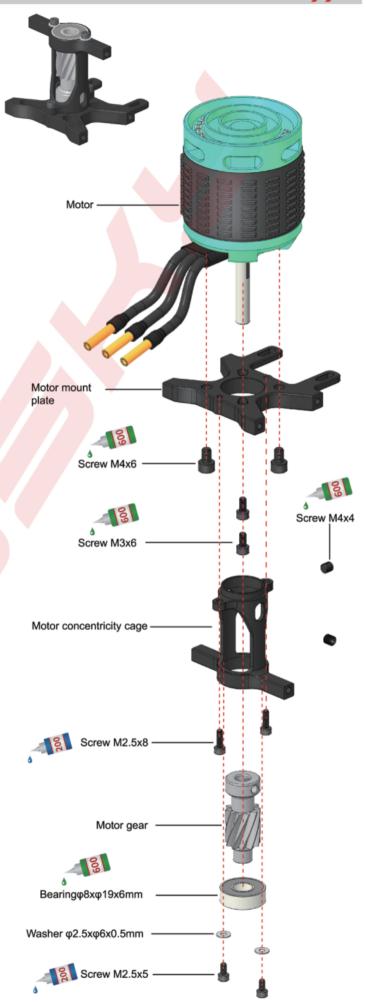
The number of washers can be increased to adjust the damping





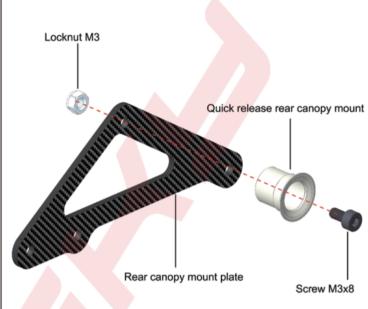






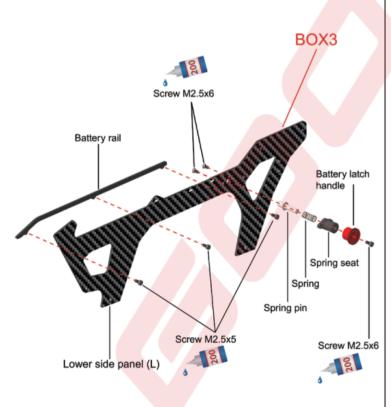


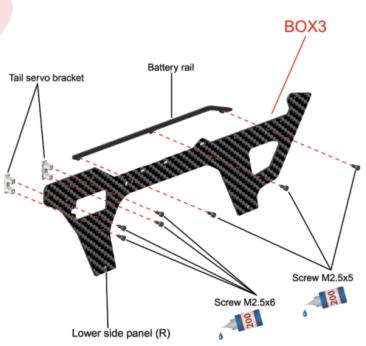




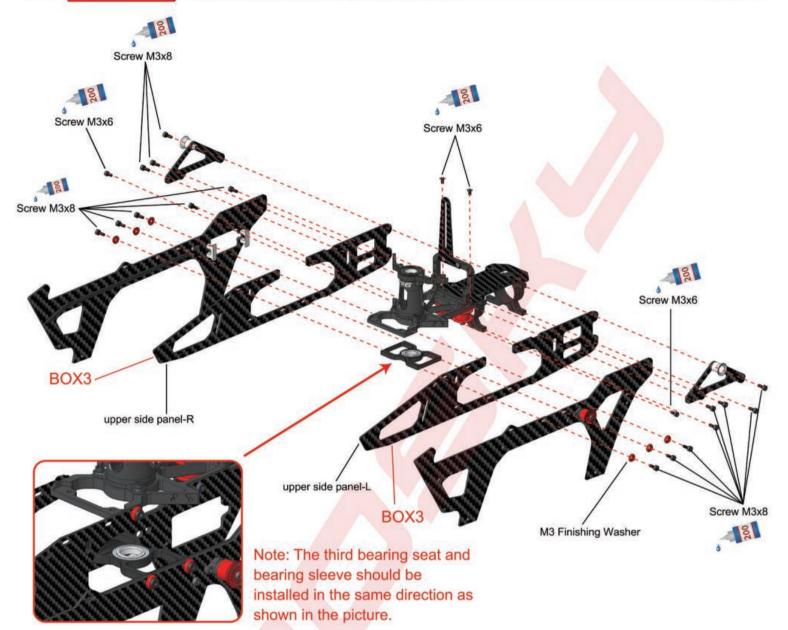
### Right module





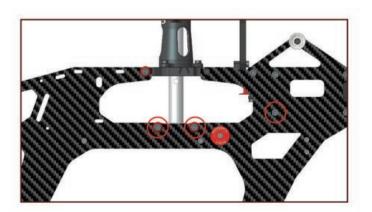


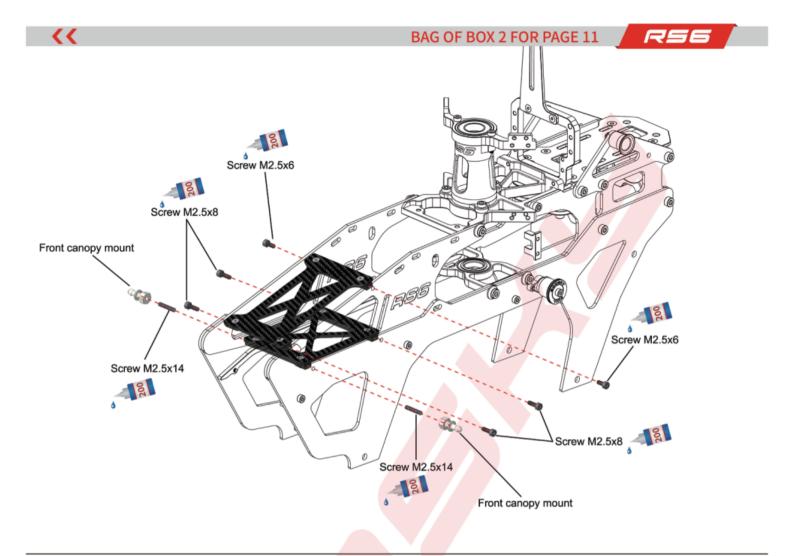


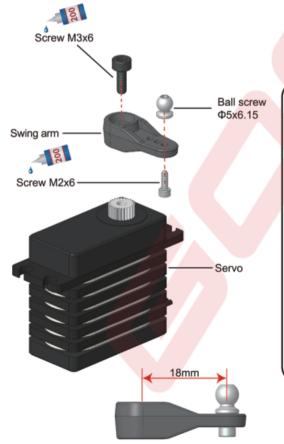


## CAUTION

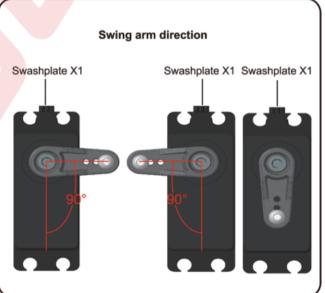
Attention: pass the main shaft through the third bearing to ensure alignment and smooth rotation before tightening the six marked screws, on both sides of the frame."





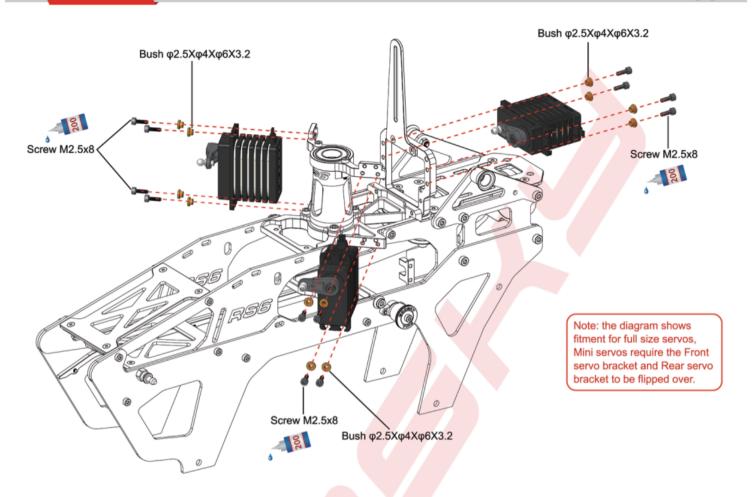


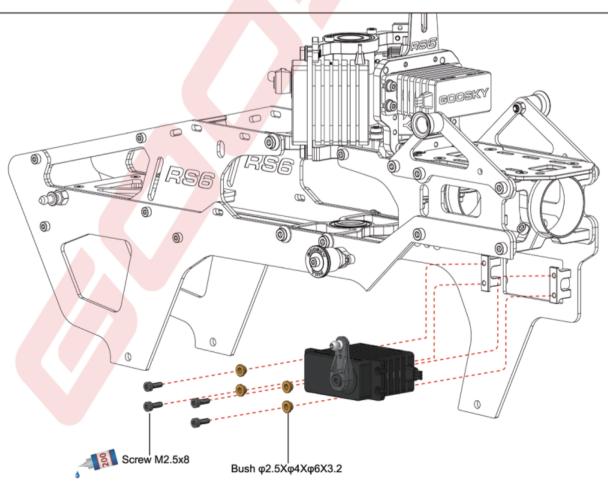
Note: The parameters of the three Swashplate servos should be identical, while the tail servo has different parameters.



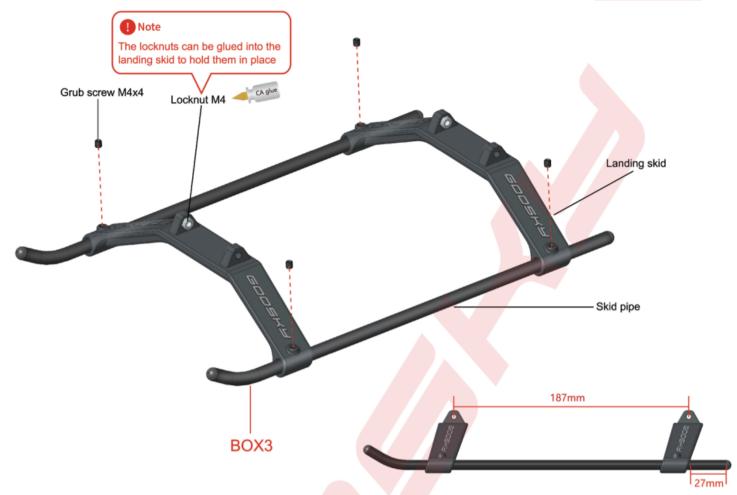




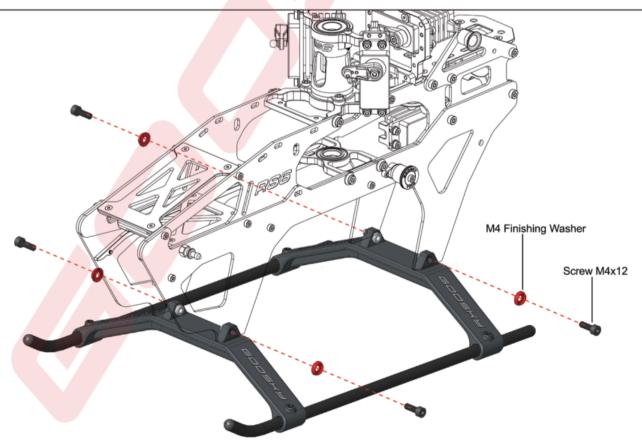








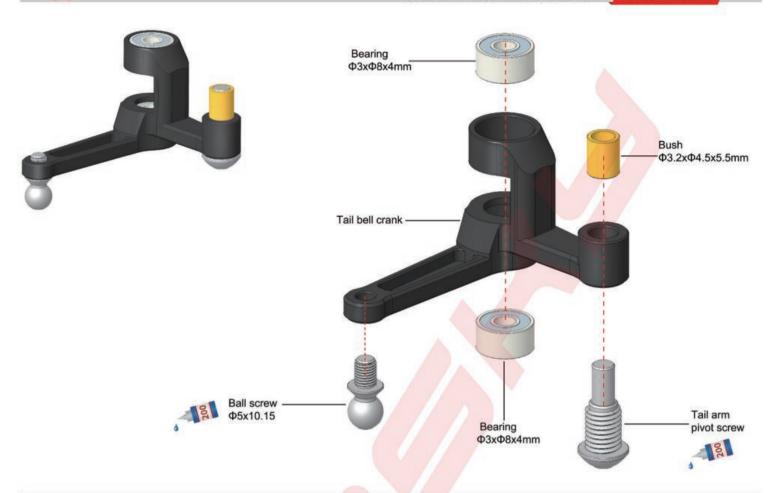
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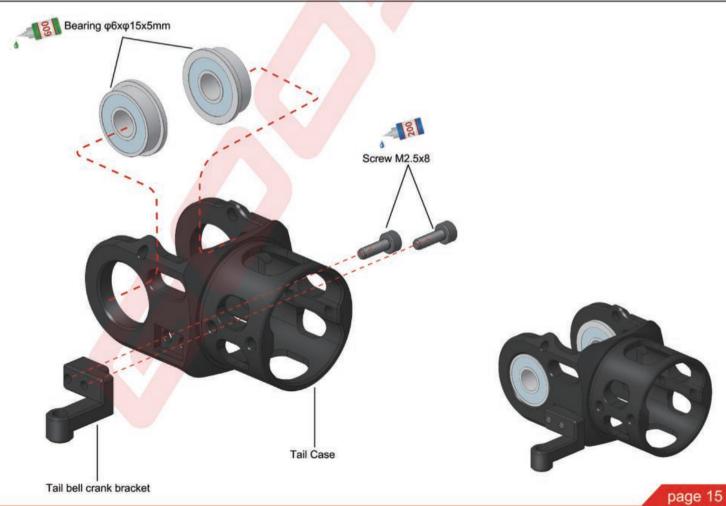




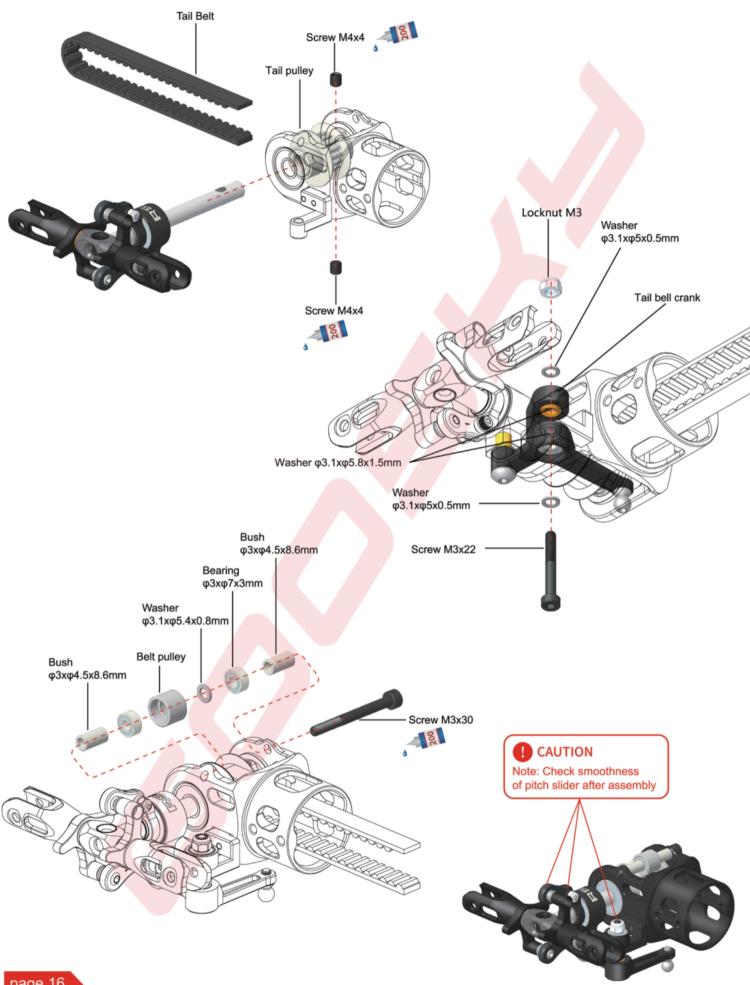




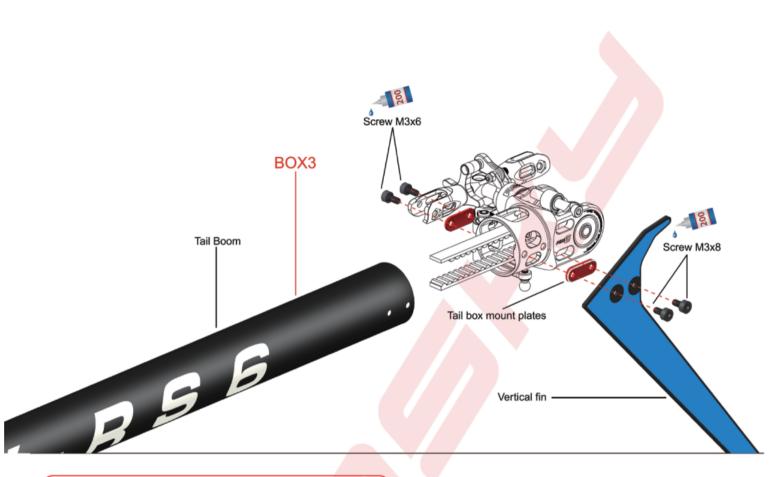










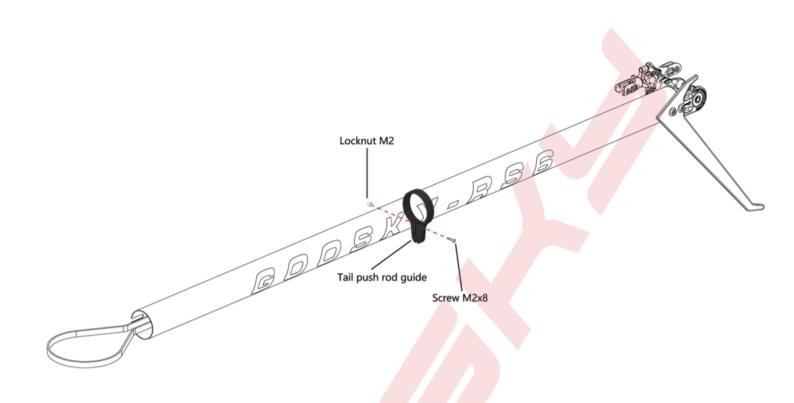


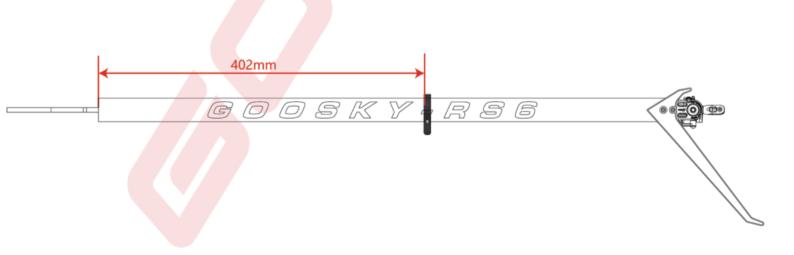
# CAUTION

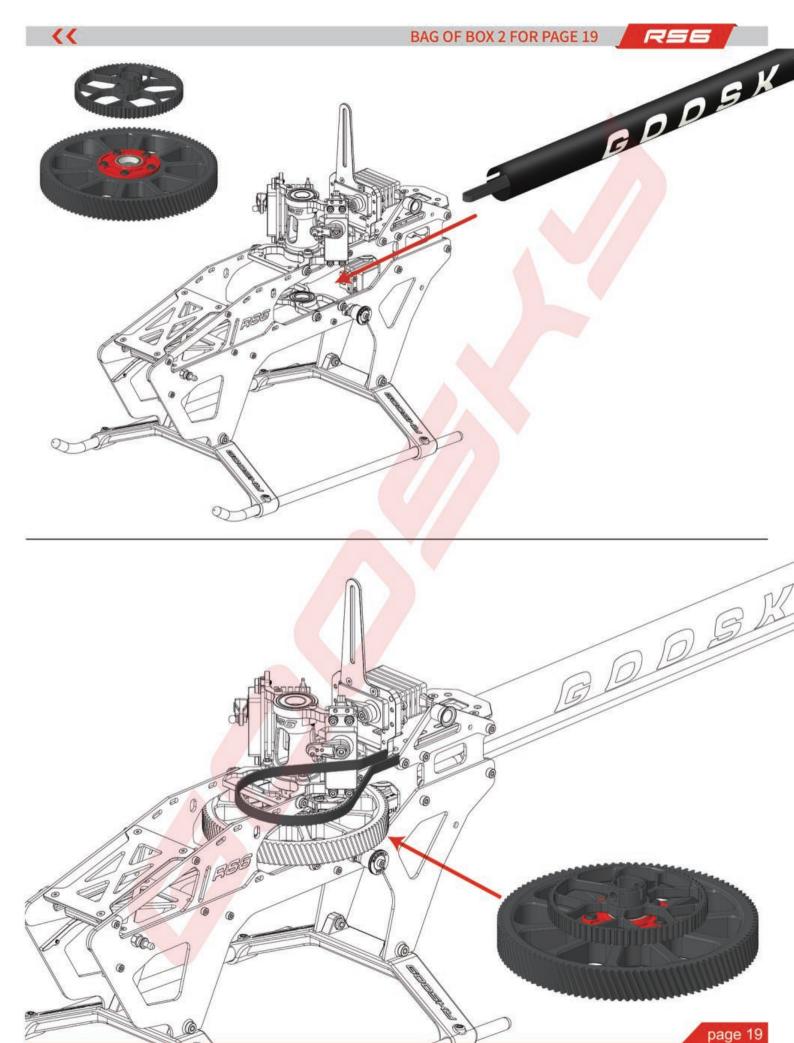
Pay attention to the tail belt, there should only be a half twist anti-clockwise when looking from the tail box.



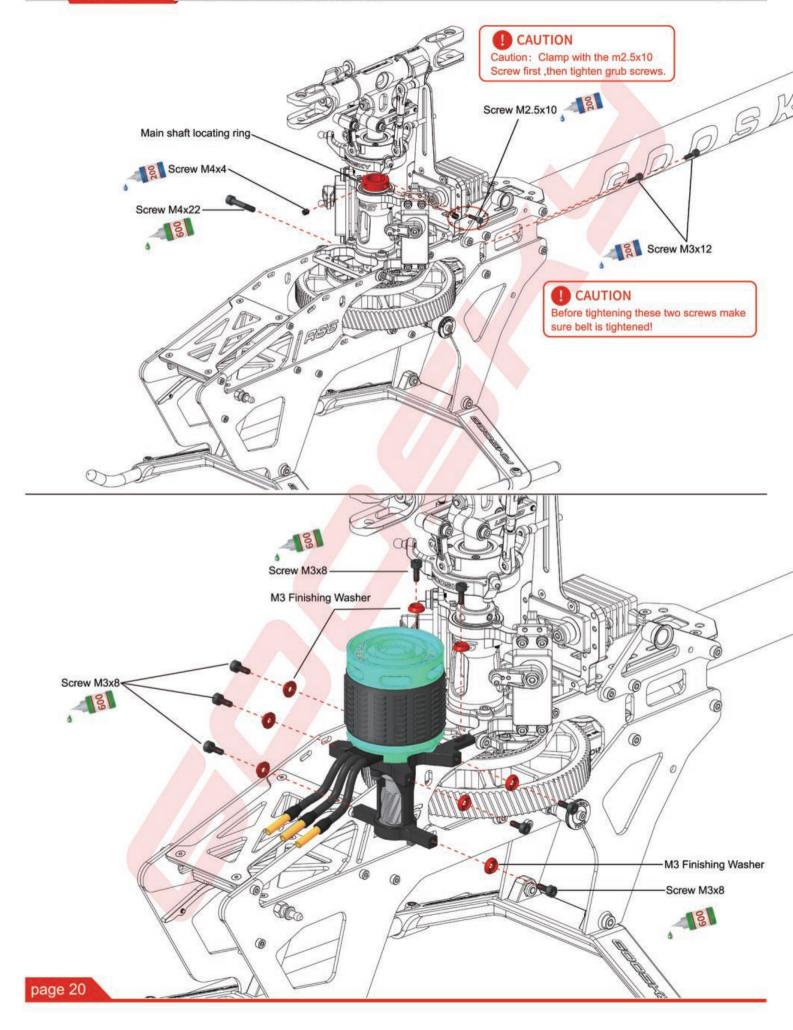


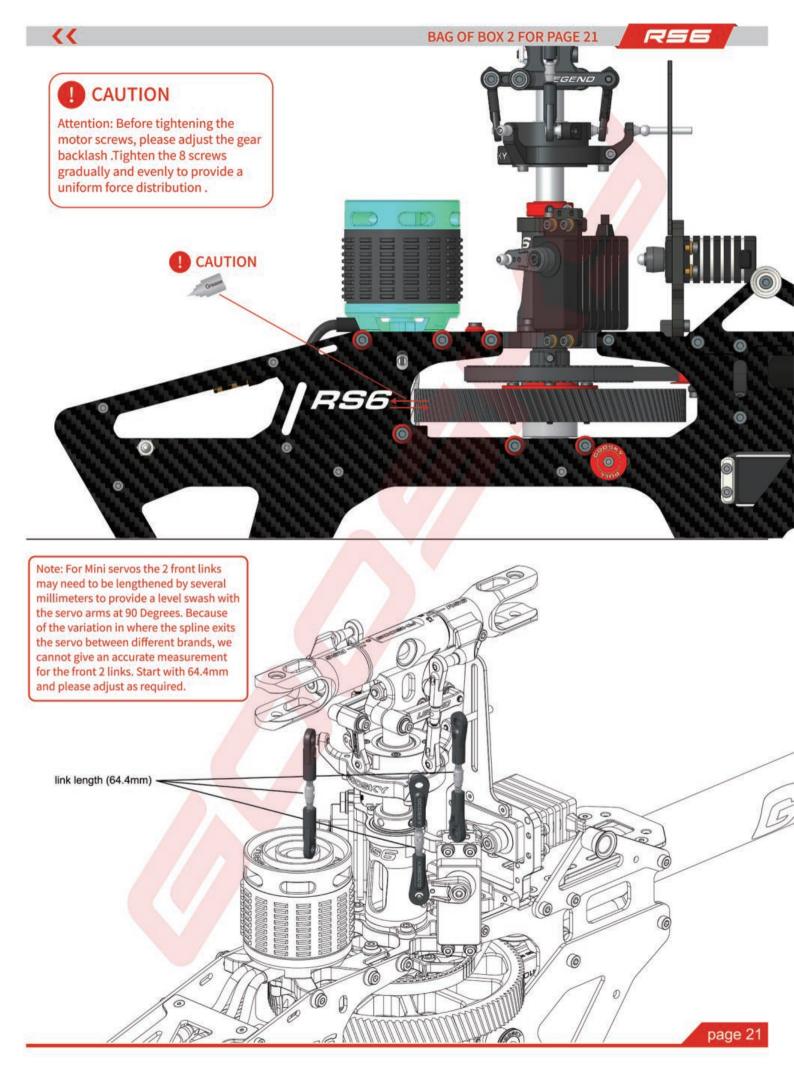


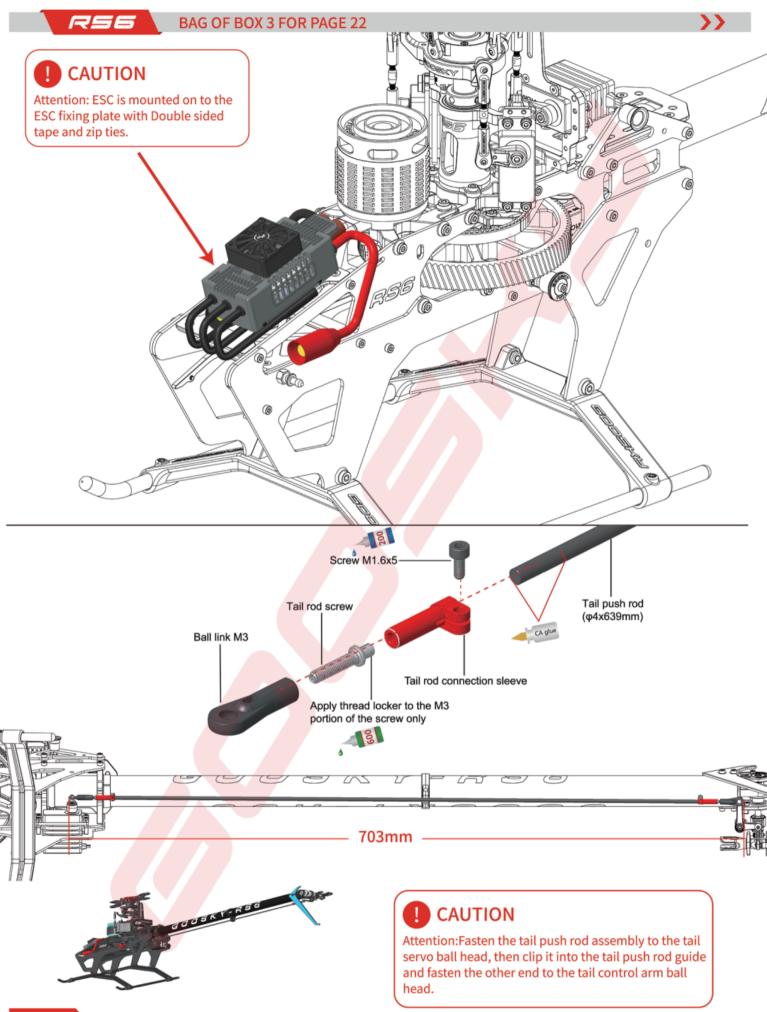


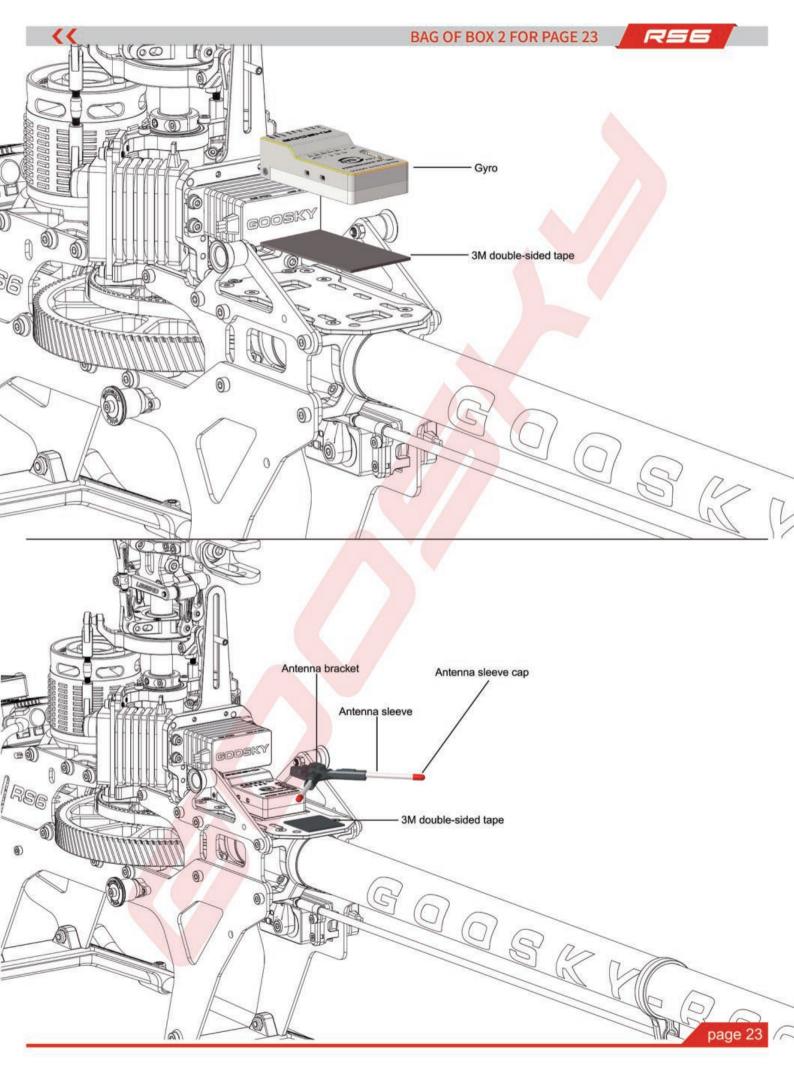




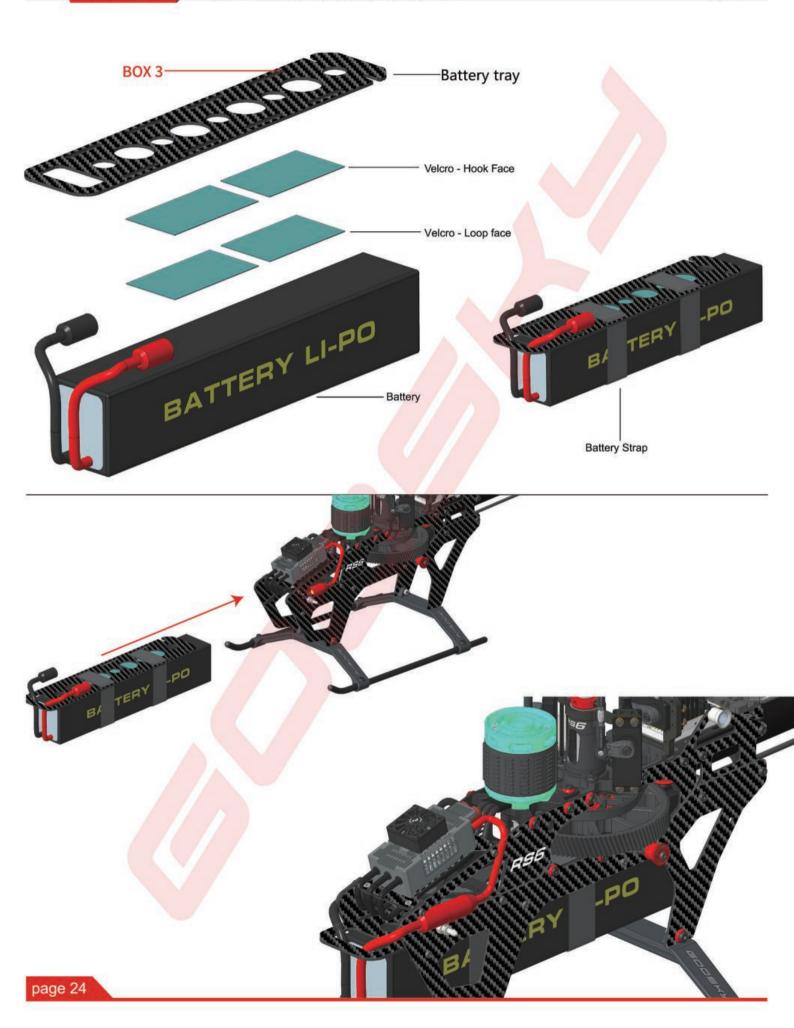






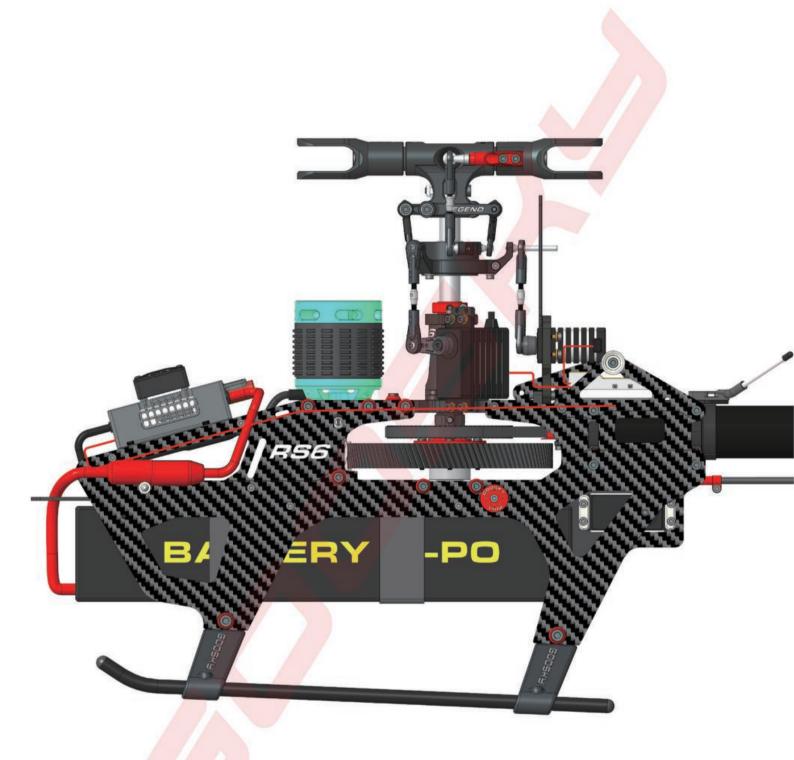






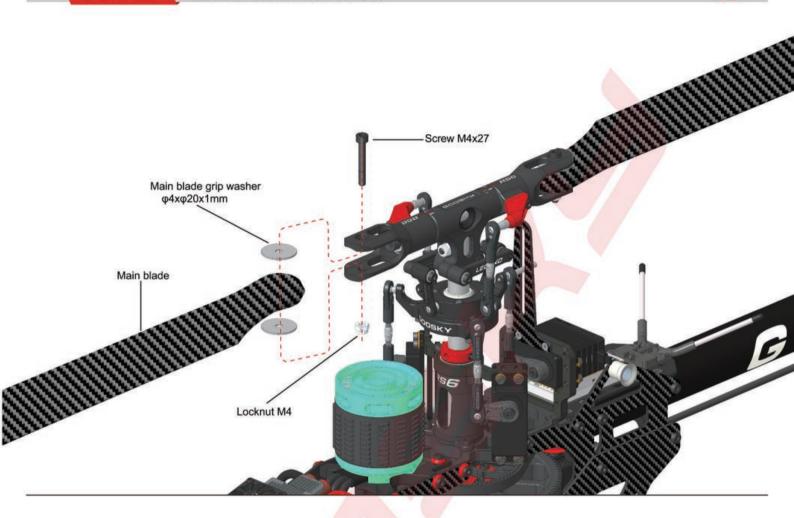






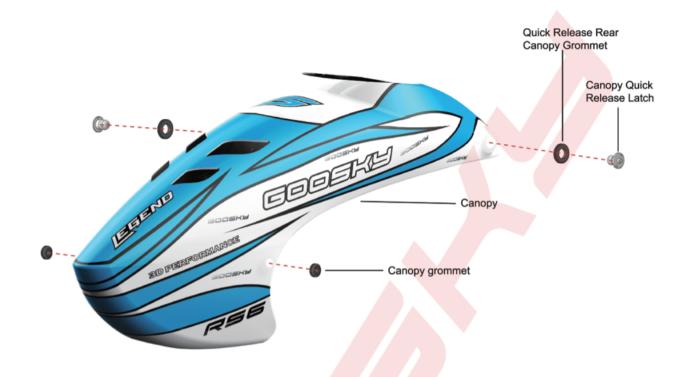
Note: the red lines show where the electric wires can be run.











### CAUTION

Before takeoff, please fasten the canopy in place to prevent it from falling off during the flight.





Model: GT060001 Package: Hang tag +PE bag	Model: GT060002 Package: Hang tag +PE bag	Model: GT060003 Package: Hang tag +PE bag	Model: GT060118 Package: Hang tag +PE bag
Product name: Aluminum Center Hub	Product name: Balance bush	Product name: Main Rotor Head Damper Set - 90 degree	Product name: Blade Grip Washers
RS5 \ RS6	RS5、RS6	0 000 0 000	4*20*1mm

Model: GT060005 Package: Hang tag +PE bag	Model: GT060109 Package: Hang tag +PE bag	Model: GT060007 Package: Hang tag +PE ba	Model: GT080008 Package: Hang tag +PE bag
Product name: Main Rotor Head Damper Set - POM	Product name: Main Blade Grip (Single)	Product name: Pitch control arm set (Single)	Product name: Feathering Shaft Set
RS5 , RS6	Rate 6	RS5、RS6	RS5 、 RS6

Model: GT060009 Package: Hang tag +PE bag Product name: Flat Thrust bearing Set-F8-16M	Model: GT060010 Package: Hang tag +PE bag Product name: M4 locknut	Model: GT060131 Package: Hang tag +PE bag Product name: Canopy Mount Panel	Model: GT060012 Package: Hang tag +PE bag Product name: Servo to swash link
RS5、RS6	RS5、RS6		RS5 、RS6
0000	00000		
	X10		X5

Model: GT040013 Package: Hang tag +PE bag	Model: GT060014 Package: Hang tag +PE bag	Model: GT060015 Package: Hang tag +PE bag	Model: GT060016 Package: Hang tag +PE bag
Product name: Ball link M3	Product name: Washout arm set (Single)	Product name: Washout links	Product name: Main Shaft
RS5、RS6、RS7	RS5、RS6	RS5、RS6	RS5 、RS6
9999	O LEGEND	1100	

Model: GT060017 Package: Hang tag +PE bag Product name: Swash outer ring set	Model: GT060018 Package: Hang tag +PE bag Product name: Swash center	Model: GT060019 Package: Hang tag +PE bag Product name: Swash inner ring	Model: GT060020 Package: Hang tag +PE bag Product name: Front pulley
RS5 、RS6	RS5、RS6	RS5、RS6	RS5 、RS6
NOSKY			







Model: GT060029 Package: Hang tag +PE bag Product name: Main frame lower plate	Model: GT060030 Package: Hang tag +PE bag Product name: Third bearing block			00031 e: Front Be		Package: Hang tag +PE bag support	Model: GT060032 Product name: Front Belt pulley	Package: Hang tag +PE bag y (Single Set)
RS5、RS6	RS5 、RS6	RS	5 、RS	6	7		RS5、RS6	
	<b>\$</b>							

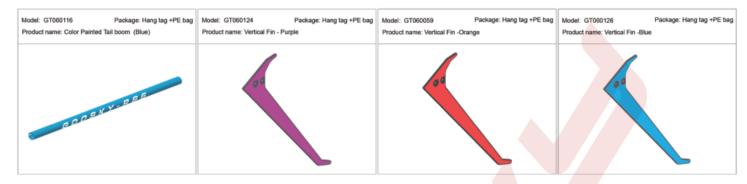
Model: GT060033 Package: Hang tag +PE bag	Model: GT060034 Package	Model: GT06003	 Model: GT060036 Package: Hang tag +PE bag
Product name: Tail boom clamp-front	Product name: Gyro plate	Product name: Ar	Product name: Battery rail set (Left and Right)
RS5、RS6	RS5 , RS6	RS5 , RS6	RS5 , RS6

Model: GT060037 Package: Hang tag +PE bag Product name: Front canopy mount	Model: GT040038 Package: Hang tag +PE bag Product name: Battery latch Set	Model: GT080039 Package: Hang tag +PE bag Product name: Quick Release Rear Canopy Mount	Model: GT040185 Package: Hang tag +PE bag Product name: Canopy Quick Release Latch
RS5、RS6	RS5 , RS6 , RS7	RS5 、RS6	RS5、RS6、RS7



Model: GT040183 Package: Hang tag +PE bag Product name: Quick Release Rear Canopy Grommets	Model: GT060040 Package: Hang tag +PE bag Product name: Tail Servo Bracket	Model: GT060041 Package: Hang tag +PE bag Product name: Servo Screw set	Model: GT060120 Package: Hang tag +PE bag Product name: Upper Side Panel - L
RS5、RS6、RS7	R55 . R56	RS5、RS6、RS7	
Model: GT060121 Package: Hang tag +PE bag Product name: Upper Side Panel - R	Model: GT060122 Package: Hang tag +PE bag Product name: Lower Side Panel - L	Model: GT060123 Package: Hang tag +PE bag Product name: Lower Side Panel - R	Model: GT060046 Package: Hang tag +PE bag Product name: Front Frame Carbon plate
EL Sase	V	4	RSS, RSG
Model: GT060047 Package: Hang tag +PE bag Product name: ESC Fixing plate	Model: GT060048 Package: Hang tag +PE bag Product name: Main Frame support set	Model: GT060049 Package: Hang tag +PE bag Product name: Motor Gear - 12T	Model: GT060050 Package: Hang tag +PE bag Product name: Motor mount plate
RS5、RS6	R55 . R56	RSS . RS6	RSS \ RS6
Model: GT060051 Package: Hang tag +PE bag Product name: Main motor Concentricity Cage	Model: GT060102 Package: Hang tag +PE bag Product name: White-Landing skid	Model: GT060117 Package: Hang tag +PE bag Product name: Color Painted Skid Pipe (White)	Model: GT060137 Package: Hang tag +PE bag Product name: Tail push rod
RS5 , RS6	RS5 , RS6		
Model: GT060055 Package: Hang tag +PE bag Product name: Tail push rod Ball joint set	Model: GT060056 Package: Hang tag +PE bag Product name: Tail push rod guides	Model: GT060114 Package: Hang tag +PE bag Product name: Color Painted Tail boom (Purple)	Model: GT060115 Package: Hang tag +PE bag Product name: Color Painted Tail boom (Orange)
RS5, RS6	RSS, RSG	COCKY CEE	OCCEXV. Bee





Model: GT060060 Package: Hang tag +PE bag Product name: Tall box mount plate set	Model: GT060111 Package: Hang tag +PE bag Product name: Tail Case	Model: GT060062 Package: Hang tag +PE bag Product name: Tail bell crank bracket	Model: GT060063 Package: Hang tag +PE bag Product name: Tail pulley - 16T
RS5、RS6		RS5、RS6	RS5 、 RS6
	300		

								_
Model: GT060064 Package: Hang tag +PE bag	Model: GT040076 Package: Hang tag +PE bag	Mod	el: GT	060112		Package: Hang tag +PE bag	Model: GT0400078 Package: Hang tag +PE bag	
Product name: Tail Belt pulley	Product name: Tail bell crank	Prod	duct nar	me: Tail slide	er		Product name: Tail pitch slider link	
RS5、RS6	RS5 、RS6 、RS7					•	RS5、RS6、RS7	

RS5, RS6  RS5, RS6  RS5, RS6  RS5, RS6	Model: GT060066 Package: Hang tag +PE bag	Model: GT060067 Package: Hang tag +PE bag	Model: GT060068 Package: Hang tag +PE bag	Model: GT060113 Package: Hang tag +PE bag
	Product name: Tail Shaft	Product name: Tail feathering shaft	Product name: Tail Damper - 90 degree	Product name: Tail blade grip(Single)
	50	RS5、RS6	RSS \ RS6	

Model: GT060070 Package: Hang tag +PE bag Product name: Tall Thrust Bearing - F4-9M	Model: GT060071 Package: Hang tag +PE bag Product name: Battery tray	Model: GT040084 Package: Hang tag +PE bag Product name: Velcro	Model: GT040085 Package: Hang tag +PE bag Product name: Battery Strap
RS5 . RS6	RS5、RS6	RS5、RS6、RS7	RS5.RS6.RS7
			X4





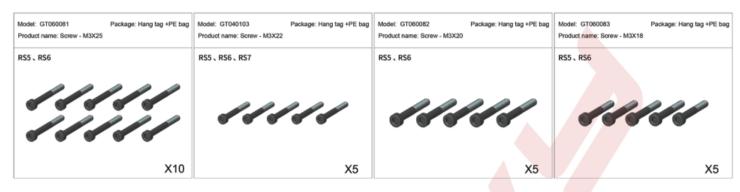
RS5 . RS6 . RS7  RS5 . RS6 . RS7  RS4 . RS5 . RS6 . RS7	Model: GT060130 Package: Hang tag +PE bag Product name: Canopy - Blue	Model: GT040093 Package: Hang tag +PE bag Product name: Canopy grommets	Model: GT040094 Package: Hang tag Product name: Tail arm pivot Screw	+PE bag Model: GT020078 Package: Hang tag +PE bag Product name: M3 finishing washers - Red
		RS5、RS6、RS7	RS5、RS6、RS7	RS4、RS5、RS6、RS7
X4 X2 X4				

Model: GT040095 Package: Hang tag +PE bag Product name: M4 finishing washers - Red	Model: GT040096 Package: Hang tag +PE bag Product name: Ball head Screws-φ5x13.15	Model: GT040097 Package: Hang tag +PE bag Product name: Ball head Screws- φ5x27	Model: GT040096 Package: Hang tag +PE bag Product name: Ball head Screws-q5x11.15
RS5 、RS6 、RS7	RS5 、RS6 、RS7	RS5 、RS6 、RS7	RS5 、RS6 、RS7
8888		30 30	9999 9
X4	X2	X2	X8

Model: GT040099 Package: Hang tag +PE bag Product name: Ball head Screws-q5x10.15	Model: GT0400100 Package: Hang tag +PE bag Product name: Ball head Screws-p5x6.15	Model: GT060075 Package: Hang tag +PE bag Product name: Screws - M4X27	Model: GT060076 Package: Hang tag +PE bag Product name: Screw - M4X22
RS5、RS6、RS7	RS5、RS6、RS7	Suitable for: main blades RS5 \ RS6	RS5 、RS6
www.	000000		
X4		X4	X4

Model: GT060077 Package: Hang tag +PE bag Product name: Screw - M5X12	Model: GT060078 Package: Hang tag +PE bag Product name: Screw - M4X12	Model: GT060079 Package: Hang tag +PE bag Product name: Screw - M4X6	Model: GT060080 Package: Hang tag +PE bag Product name: Screw - M3X30
RS5、RS6	RS5 \ RS6	RS5 \ RS6	RS5、RS6
X5	X5	X5	X2



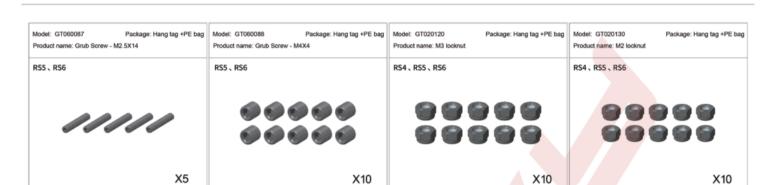


Model: GT060084 Package: Hang tag +PE bag Product name: Screw - M3X16	Model: GT040102 Package: Hang tag +PE bag Product name: Screw - M3X14	Model: GT040108 Package: Hang tag +PE bag Product name: Screw - M3X12	Model: GT040109 Package: Hang tag +PE bag Product name: Screw - M3X10
RS5 、RS6	RS5 、RS6 、RS7	RS5 、RS6 、RS7	RS5 、RS6 、RS7
		4444	66666
X5	X6	X5	X10

Model: GT020094 Package: Hang tag +PE bag Product name: Screw - M3X8	Model: GT040111 Package: Hang tag +PE bag Product name: Screw - M3X6	Model: GT040112 Package: Hang tag +PE bag Product name: Screw - M2.5X8	Model: GT040113 Package: Hang tag +PE bag Product name: Sorew - M2.5X6
RS4、RS5、RS6、RS7	RS5、RS6、RS7	RS5 、RS6 、RS7	RS5 、RS6 、RS7
66666 66666	~~~~	44444	****
X10	X10	X10	X10

Model: GT020127 Package: Hang tag +PE bag Product name: Screw - M2.5X12		Model: GT040114 Package: Hang tag +PE bag Product name: Screw - M2.5X5	Model: GT060085 Package: Hang tag +PE bag Product name: Screw - M2.5X6
RS4 、RS5 、RS6	RS4、RS5、RS6	RS5 、RS6 、RS7	RS5 、 RS6
11111	66666	99999	44444 44444
X10	X10	X10	X10

Model: GT020095 Package: Hang tag +PE bag Product name: Screw - M2X10-L4	Model: GT060086 Package: Hang tag +PE bag Product name: Screw - M2X8	Model: GT020097 Package: Hang tag +PE bag Product name: Screw - M2X6	Model: GT020125 Package: Hang tag +PE bag Product name: Screw - M2X4
RS4 、RS5 、RS6	RS5、RS6	RS4、RS5、RS6	RS4、RS5、RS6
	66666	66666 66666	66666 66666
X10	X10	X10	X10



Model: GT060089 Package: Hang tag +PE bag	Model: GT060090 Package: Hang tag +PE bag	Model: GT060091 Package: Hang tag +PE bag	Model: GT060092 Package: Hang tag +PE bag
Product name: Bearing(q4*q8*3)	Product name: Bearing (φ8*φ14*4)	Product name: Bearing(φ6*φ15*5)	Product name: Bearing(φ8Xφ16X5mm)
Suitable for: tail blade grip	Suitable for: Tail Sider	Suitable for: Tail case	Suitable for: Main blade grip
RS5 \ RS6	RS5 、RS6	RS5 \ RS6	RS5 x RS6
00	00	88	00
X2	X2	X2	X2

 del: GT060093 Package: Hang tag +PE bag	Model: GT060094 Package: Hang tag +PE bag Product name: Bearing(GE12C)		d: GT040128 act name: Bearing(68:	Package: Hang tag +PE bag 3ZZ-φ3*φ7*3)	Model: GT060095 Product name: Bearing(φ12*φ2	Package: Hang tag +PE bag
table for: Swash outer Ring 55 、RS6	Suitable for: For Swashplate RS5 x RS6		e for: RS7 Tail Belt pully / I Tail Belt pulley RS6 RS7	RSS Washout arm, Washout links,	Suitable for: Oneway Bearing Reinford bearing holder RS5 、RS6	cement sleeve- Main frame
		1.33		90		0
X1	X1			X2		X2

Model: GT000064 Package: Hang tag +PE bag	Model: GT040123 Package: Hang tag +PE bag	Model: GT040120 Package: Hang tag +PE bag	Model: GT040124 Package: Hang tag +PE bag
Product name: Swashplate bearing-6701ZZ	Product name: Bearing (φ15*φ21*4)	Product name: Bearing (φ8*φ19*6 )	Product name: Bearing (623ZZ-φ3*φ10*4)
Suitable for: Oneway Bearing Reinforcement Cover	Suitable for: RS7 Oneway Bearing cover, Single Bearing Seat / RS5 Third bearing seat	Suitable for: Main motor concentricity holder	Suitable for: Front Bolt Pulley
S2、RS5、RS6	RS5 . RS6 . RS7	RS5、RS6、RS7	RS5 、RS6 、 RS7
X2	X2	X1	X2

Model: GT040125 Package: Hang tag +PE bag Product name: Bearing (693ZZ-q3*q8*4)	Model: GT060096 Package: Hang tag +PE bag Product name: Washers	Model: GT060097 Package: Hang tag +PE bag Product name: Spacer sleeve set	Model: GT060100 Package: Hang tag +PE bag Product name: Tail boom clamp—rear
Suitable for: RS7 FBL Control Arm, FBL control arm ball joint. tall bell crank / RS5 tail bell crank	RS5 、RS6	RS5、RS6	RS5、RS6
RS5、RS6、RS7	φ3.1°φ5°0.5mm φ3°φ15°0.5mm φ3.3°φ8°0.5 φ8.2°φ13°0.1mm φ6°φ9°0.5 φ6°φ14*1	φ3,1xφ5.7x5.5 φ8.1xφ11.1x1mm φ3.1xq6.8x1.5mm φ3,1xφ7.9x2.2mm φ3.1xp4.8x4 φ4.1xφ5.8x1.5mm	D
X2	φ2.5*φ6*0.5mm φ5*φ12*1.5	φ3.1xφ5.4x0.8mm	60000



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