

GOOSKY

INSTRUCTION MANUAL






REDEFINE THE FLIGHT EXPERIENCE
WITH GOOSKY, BE A LEGEND
3D PERFORMANCE

Thank you for buying GOOSKY products. The RS7 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 RS7 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 capability 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 RS7 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, 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. RS7 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



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, or as of a result of 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.



FORBIDDEN

PREVENT MOISTURE

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

It is critical 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 malfunction 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.



WARNING

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

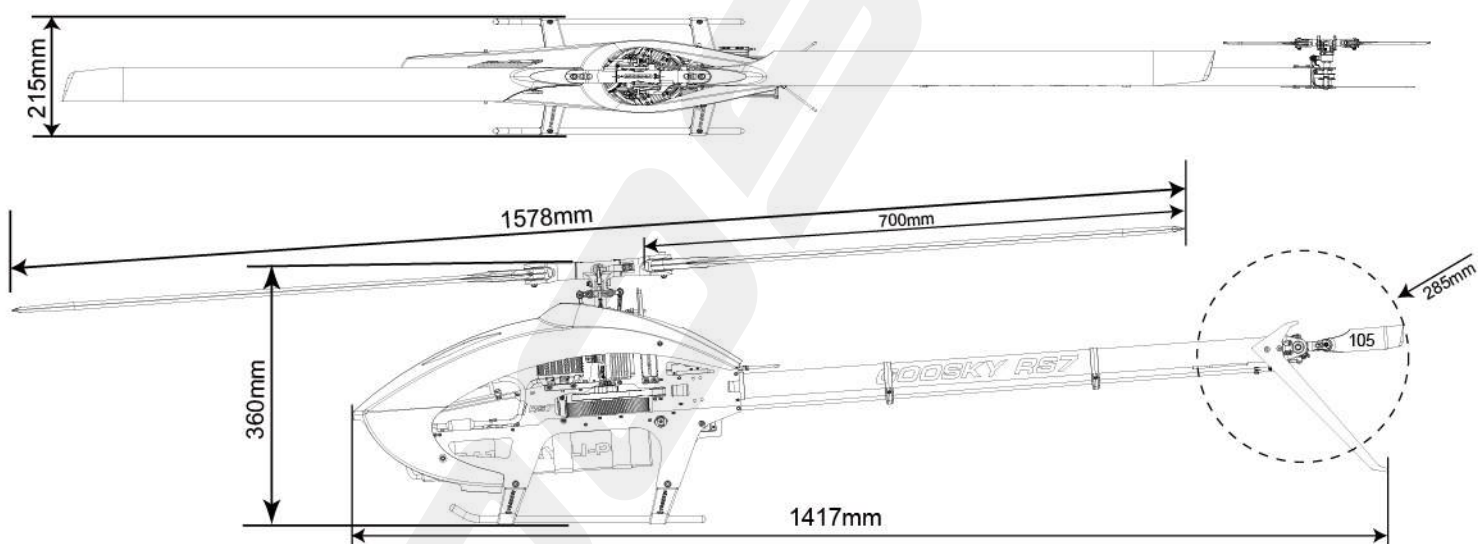
R/C models are made of various forms of plastic is very susceptible to damage or deformation due to extreme heat and cold climate.

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.



		
Knife	Scissors	Diagonal Cutting Pliers
		
Philips Screw Driver	Hex Driver	Needle Nose Pliers
		
Blue screw and blue bearing in the illustration means you need to use: Thread Locker Medium Strength	Green screw and Green bearing in the illustration means you need to use: Retaining compound	Grease
		
		CA

SPECIFICATIONS



Overall Height	360mm
Width	215mm
Main Gear	107T
Main Gear Ratio	(11T)9.727 (Standard configuration) (12T)8.9
Front Tail Pulley	100T
Tail Ratio	(20T)5 (21T)4.76 (Standard configuration)
Flight weight(exclude battery)	About 3.7KG
Main Shaft Diameter	Φ15mm
Feathering Shaft Diameter	Φ10mm
Tail spindle	Φ5mm
One-piece tail shaft	Φ8mm
Tail Blade Diameter	Φ285mm
Tail Belt Width	8mm
Main Gear Thickness	18mm
Battery Compartment Size	320*50*55mm

eg: Microlube

Note: Larger ID

Note: Smaller ID

Bearing
(Double row angular contact bearing)
 $\Phi 10 \times \Phi 19 \times 7 \text{mm}$

Bush
 $\Phi 10.5 \times \Phi 14.9 \times 10 \text{mm}$

Main blade grip

Grease

Bearing
 $\Phi 10 \times \Phi 19 \times 7 \text{mm}$

Washer
 $\Phi 10 \times \Phi 16 \times 1 \text{mm}$

Thrust Bearing
 $\Phi 10 \times \Phi 18 \times 5.5 \text{mm}$

Pitch control arm

Screw M3x8

Screw M3x22

Bearing
 $\Phi 3 \times \Phi 8 \times 4 \text{mm}$

Uniball Radius Arm

Ball screw $\Phi 5 \times 13.15$

Bush
 $\Phi 3.1 \times \Phi 5.8 \times 6 \text{mm}$

Bearing
 $\Phi 3 \times \Phi 8 \times 4 \text{mm}$

Washer $\Phi 3 \times \Phi 5 \times 0.5 \text{mm}$

Uniball Radius Arm

Bearing
 $\Phi 3 \times \Phi 8 \times 4 \text{mm}$

Washout arm

Bush
 $\Phi 3.1 \times \Phi 5.8 \times 4 \text{mm}$

Bearing
 $\Phi 3 \times \Phi 8 \times 4 \text{mm}$

Demonstration area in a 1:1 ratio.

70.35mm

70.35mm

Demonstration area in a 1:1 ratio.

70.35mm

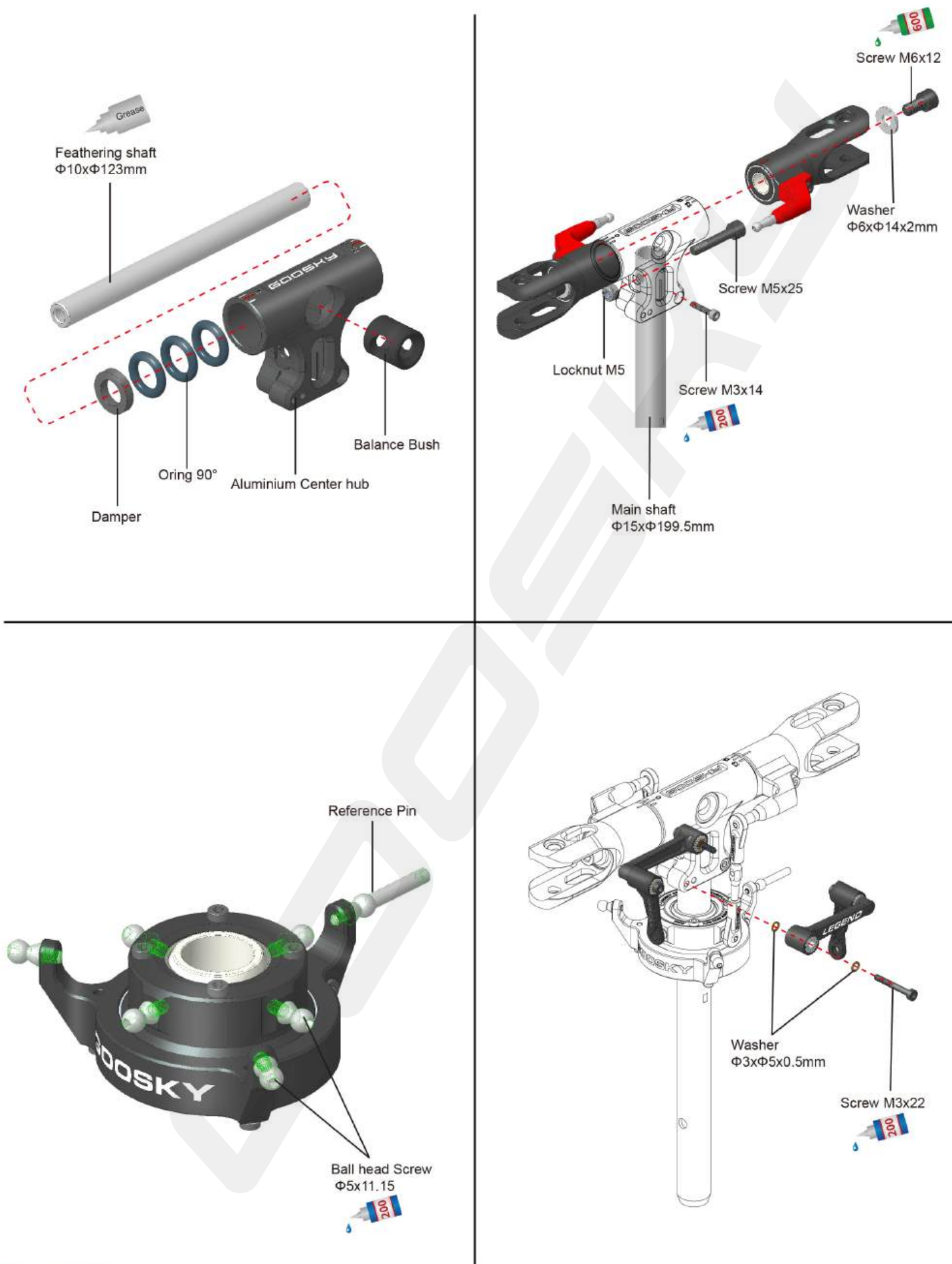


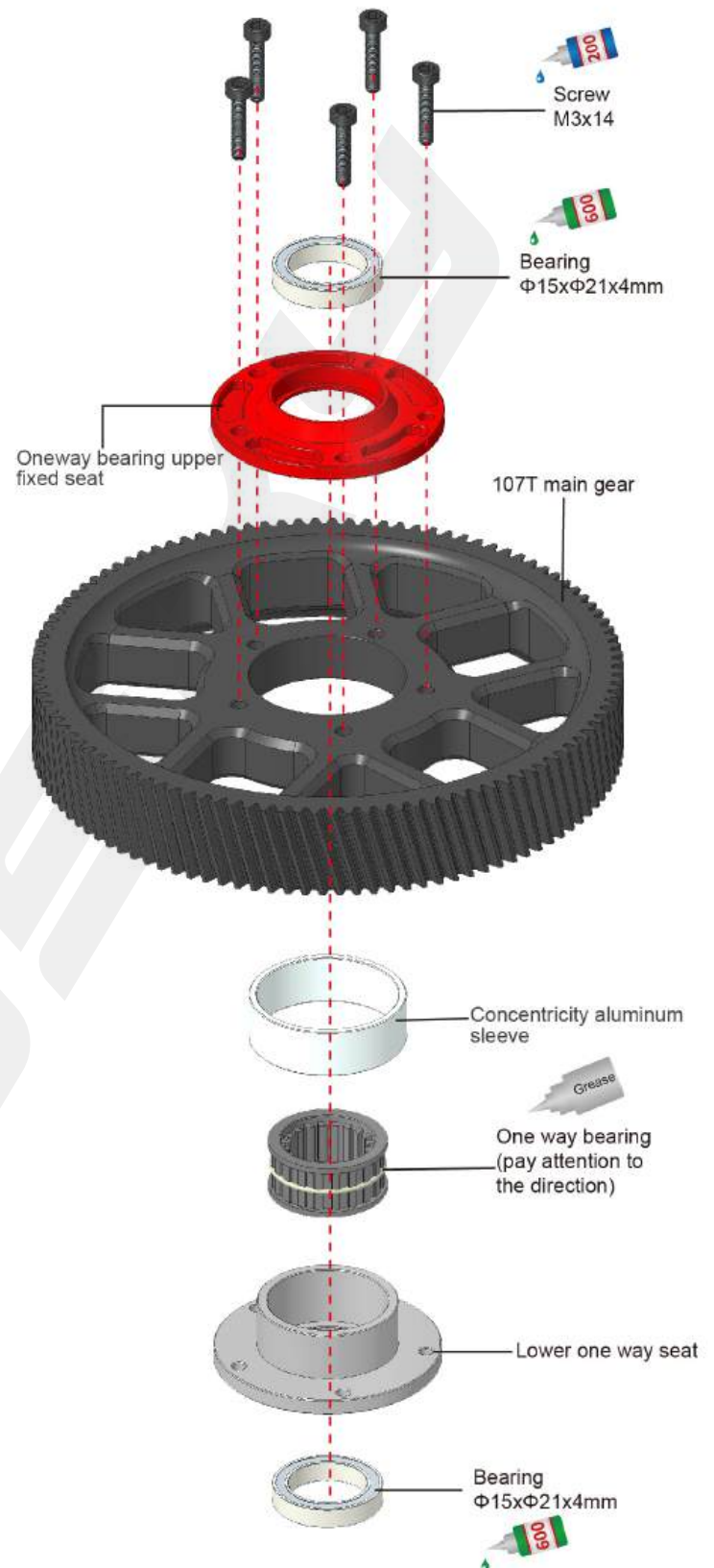
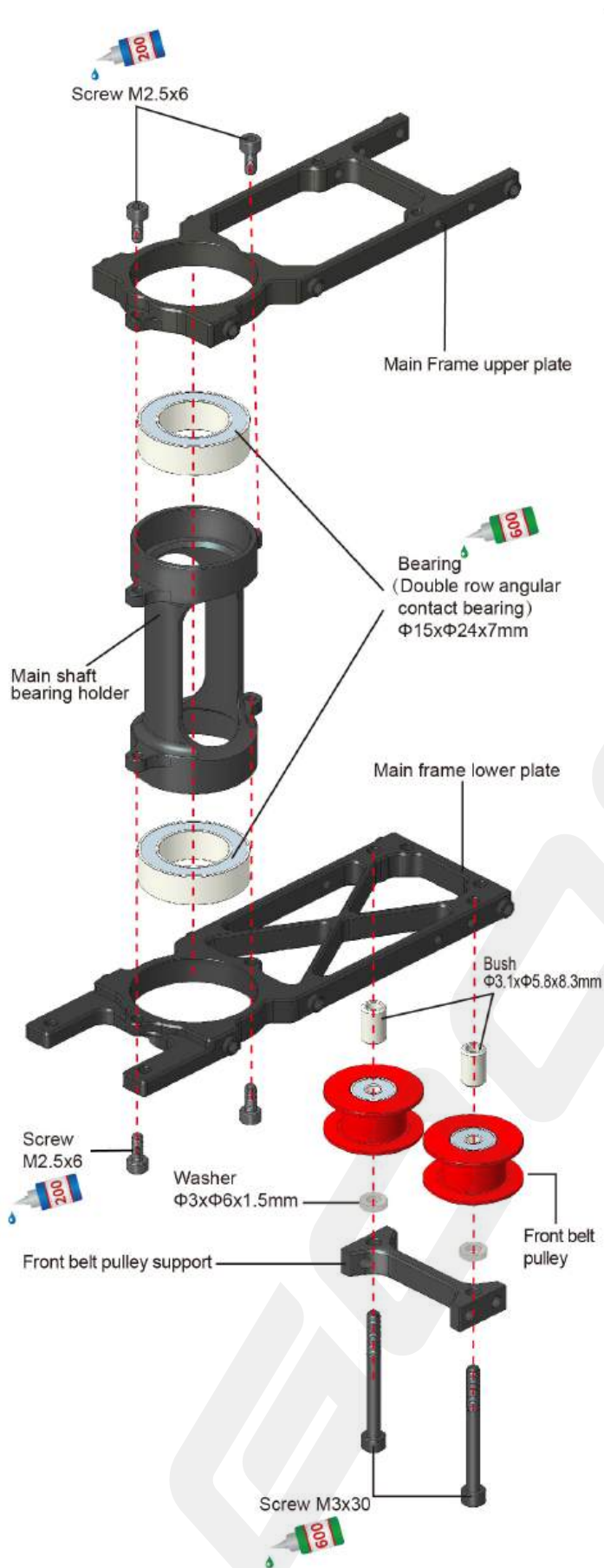
Linkage Rod M3x48mm

Ball link M3

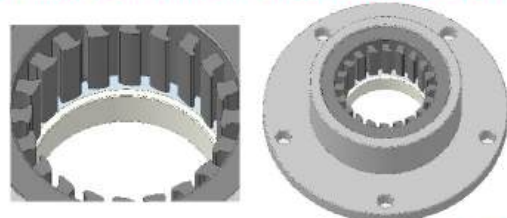


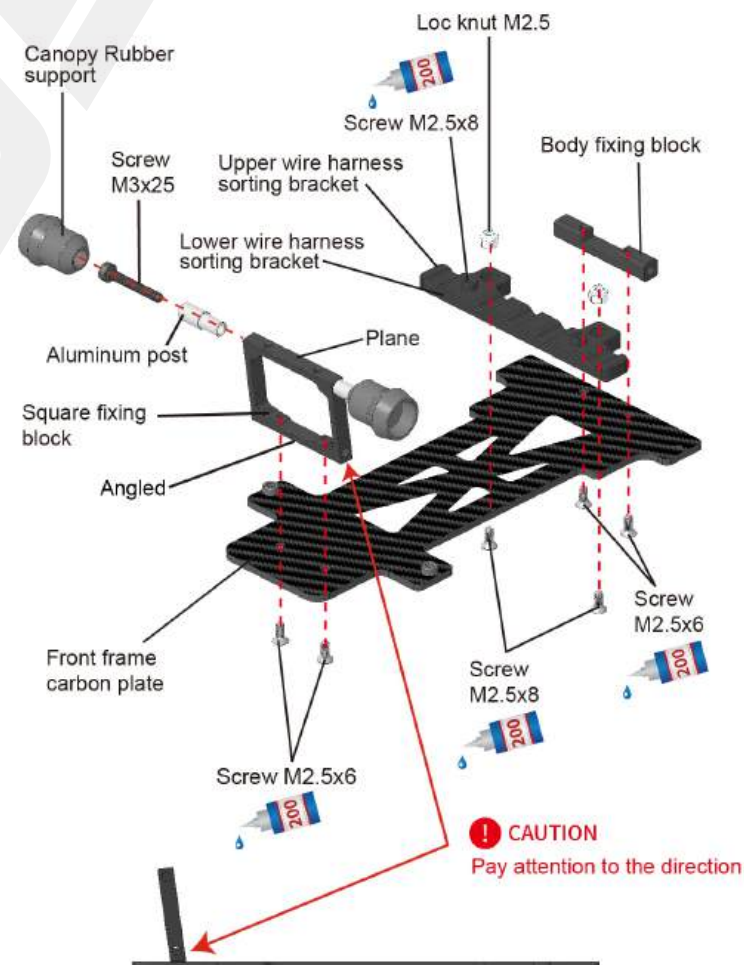
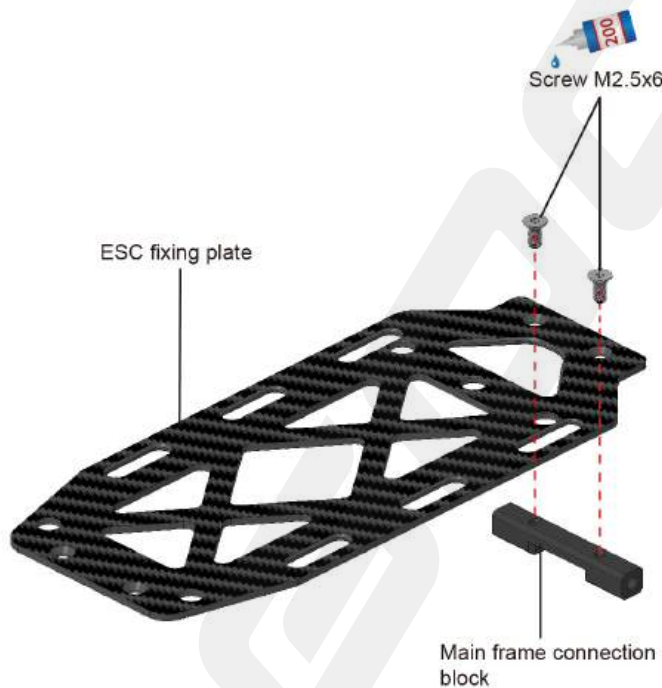
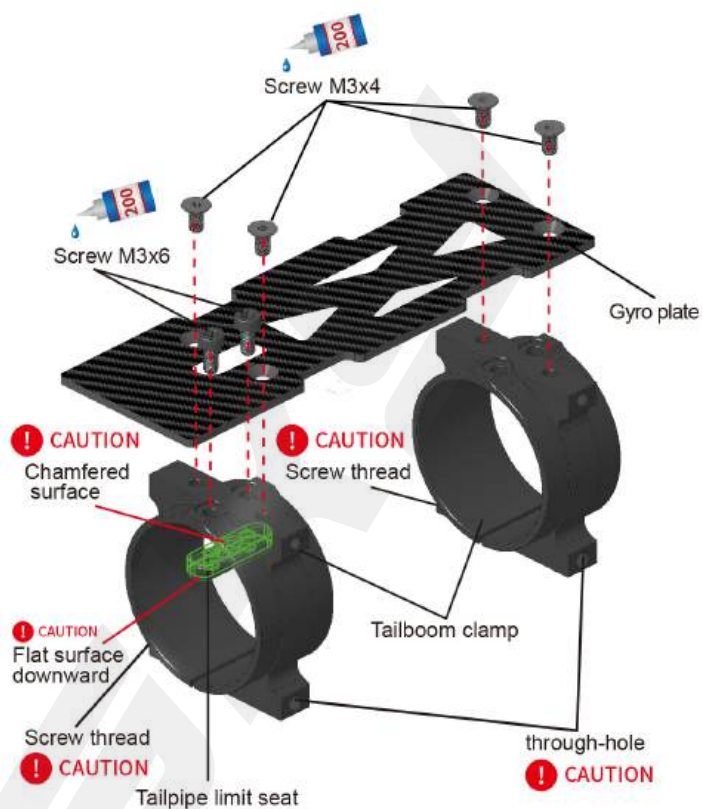
70.35mm





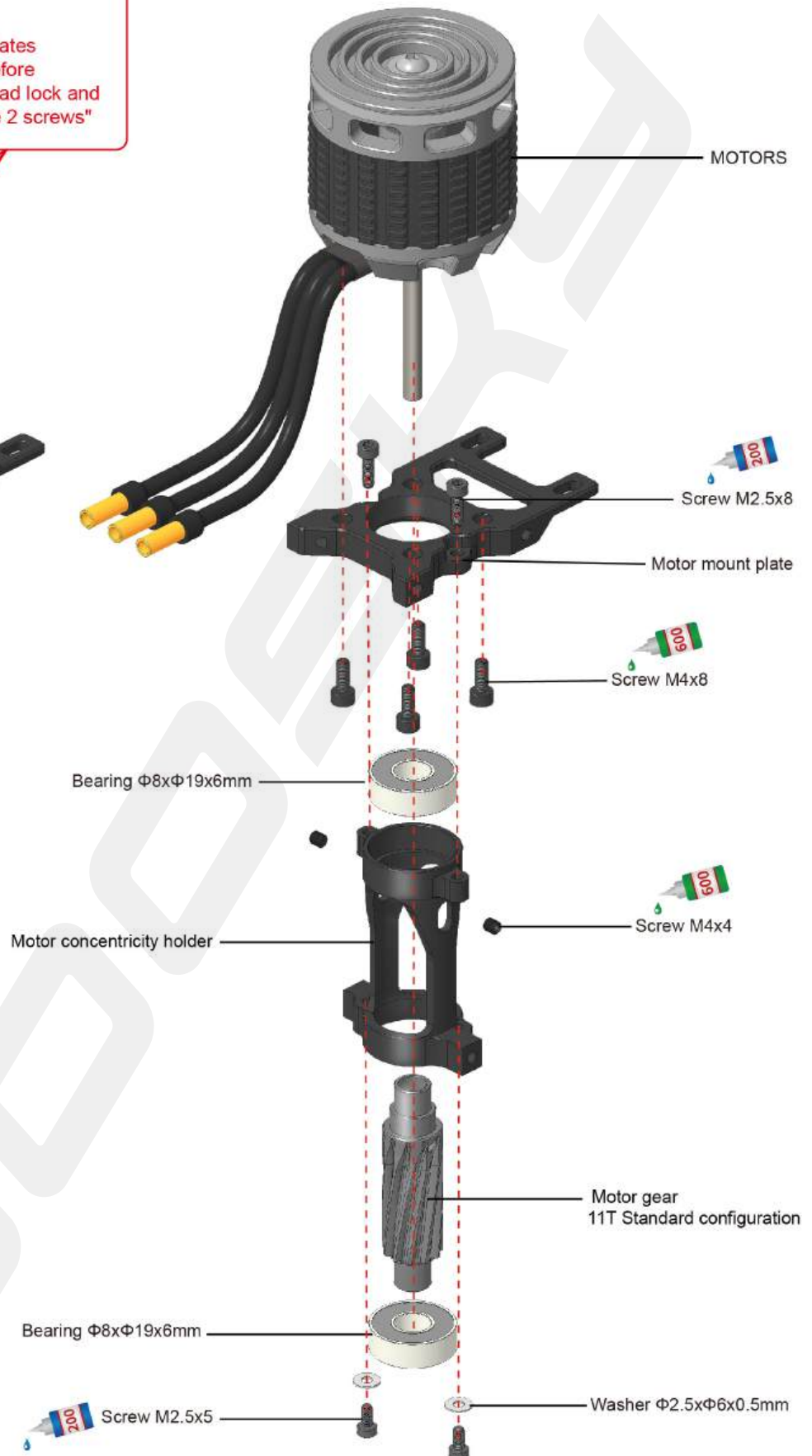
One way bearing direction(Looking from the top)

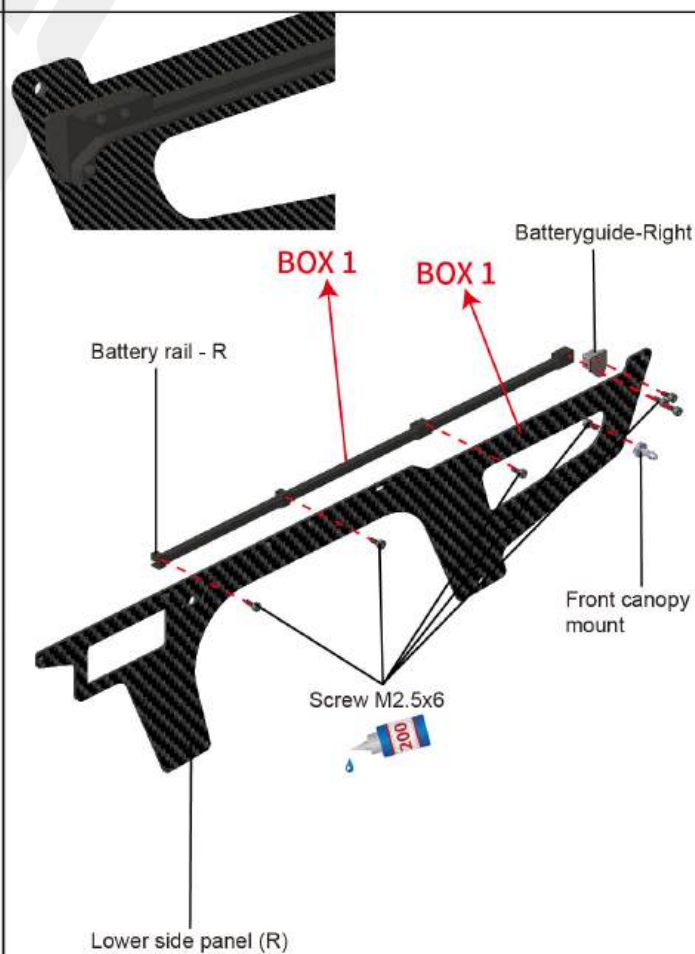
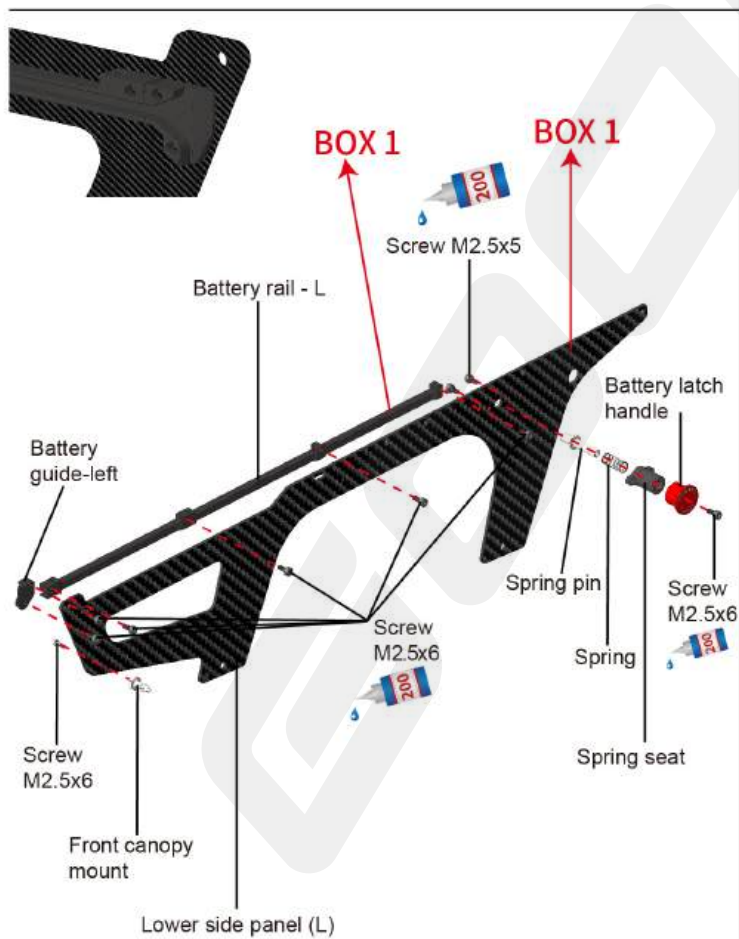
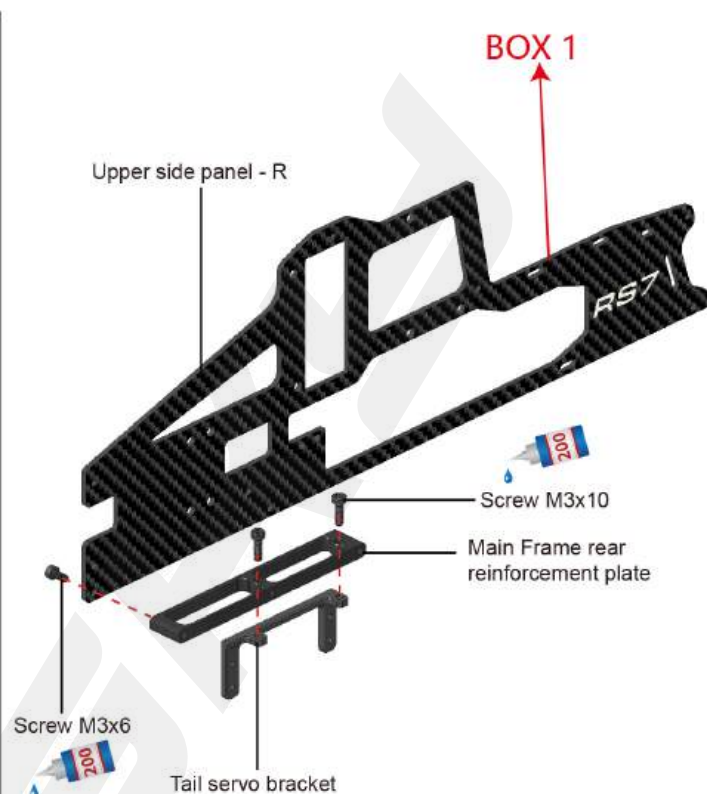
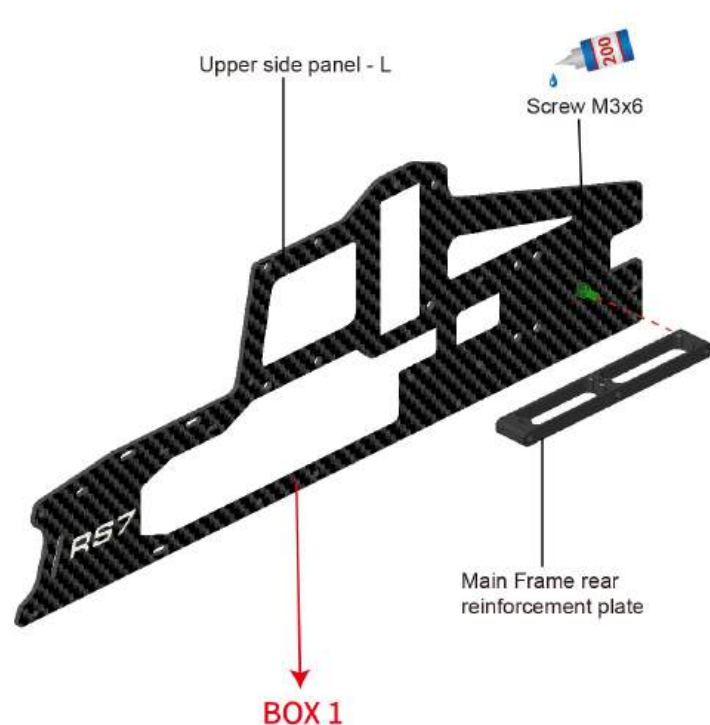


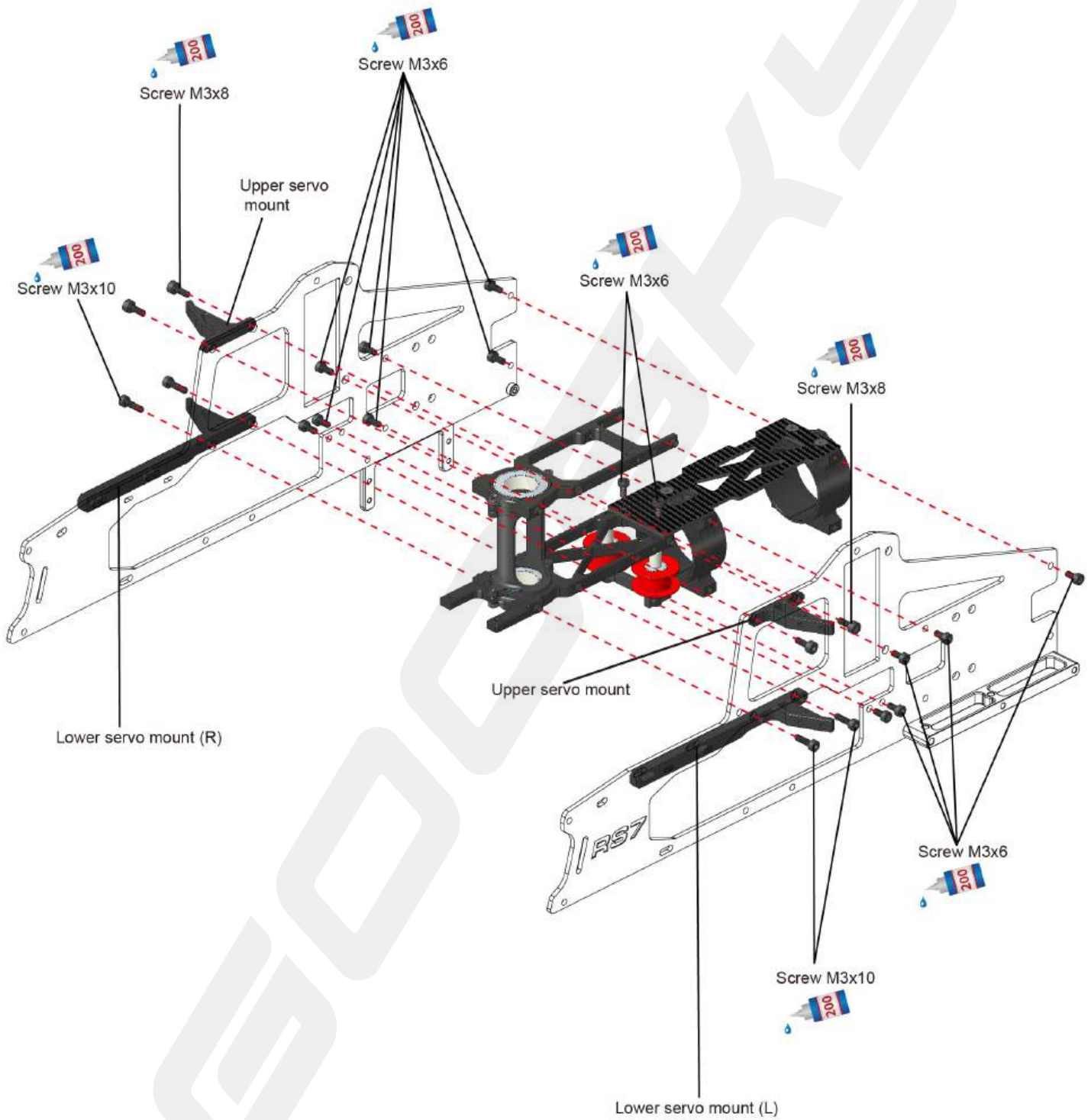


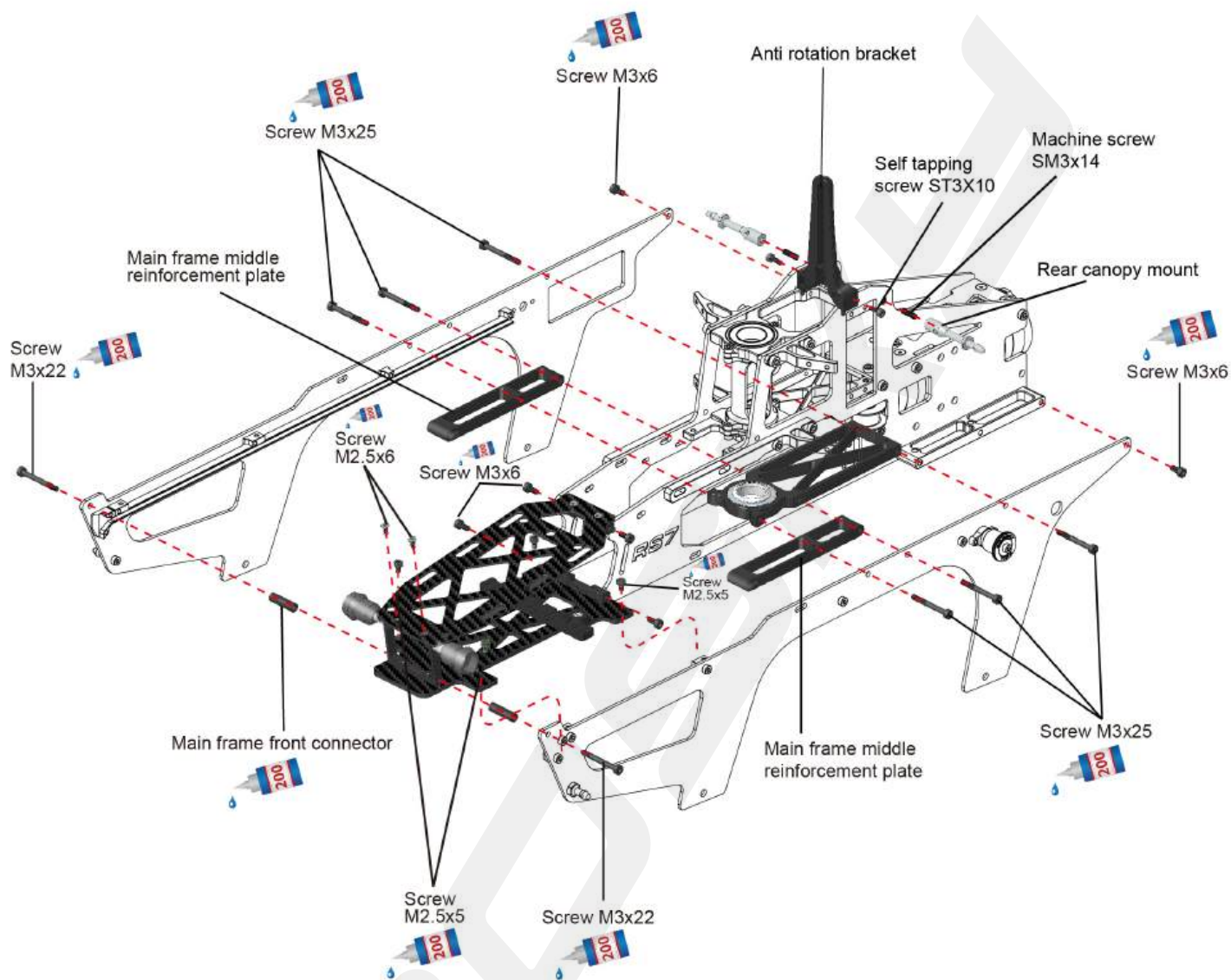
! CAUTION

Please confirm that the gear rotates smoothly after assembly, but before attaching to the Motor. Use thread lock and do not do not over tighten these 2 screws"



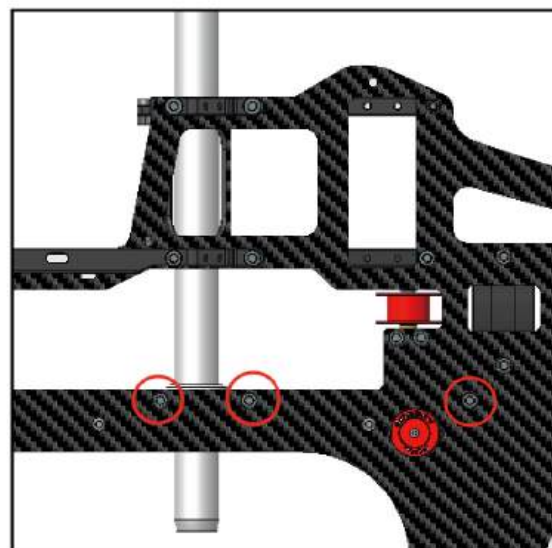


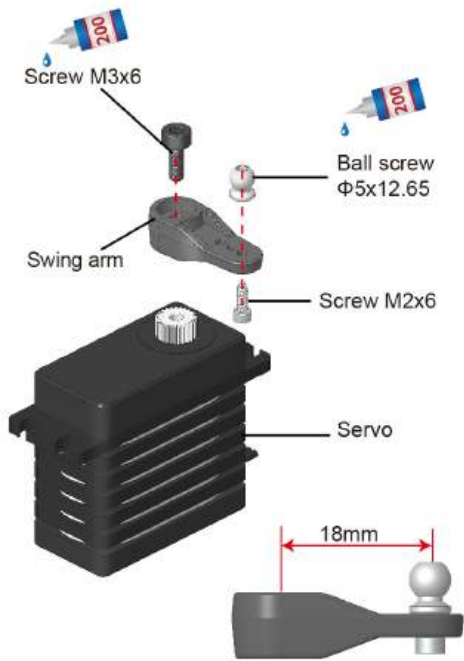




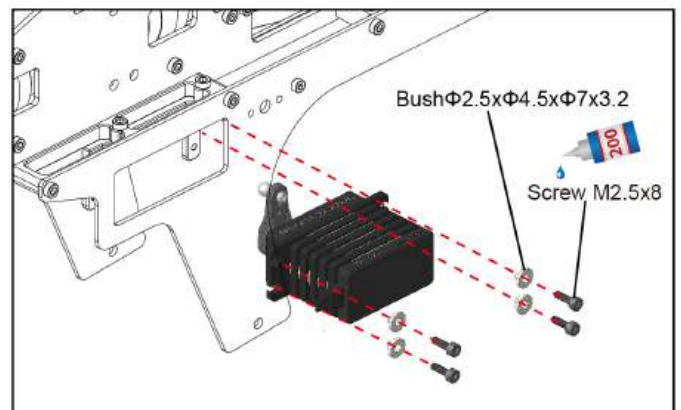
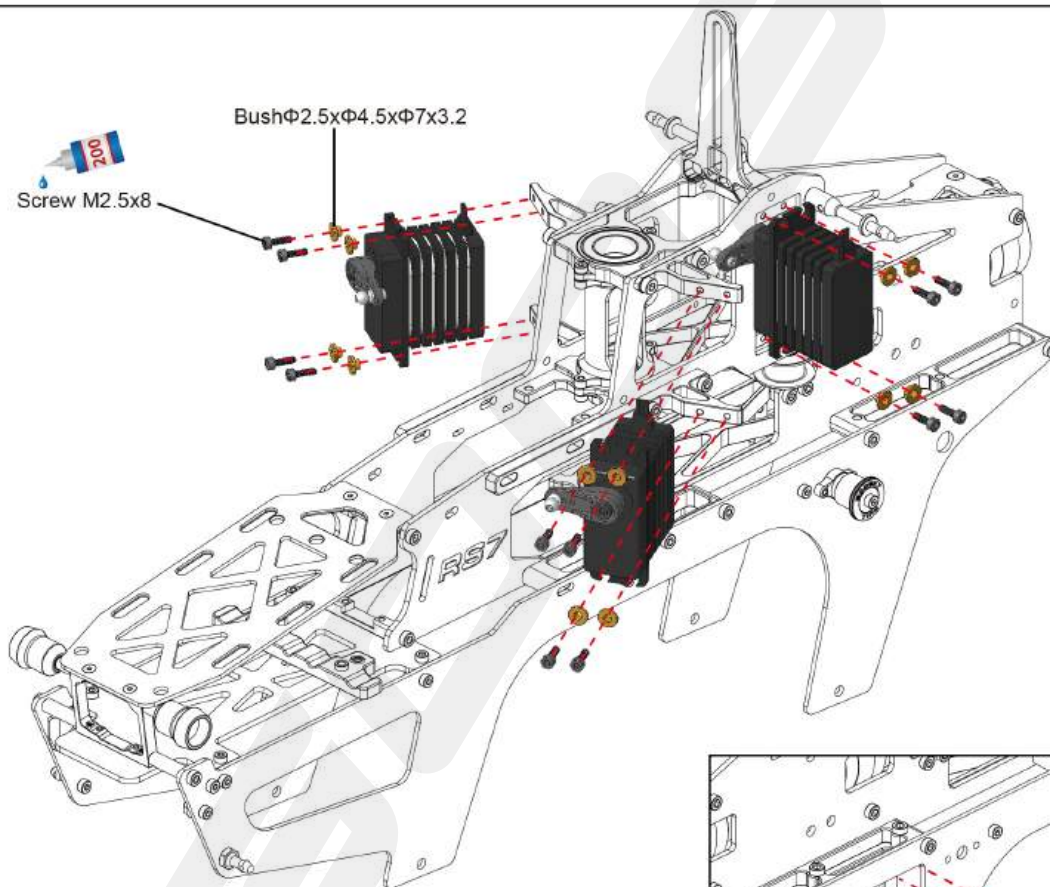
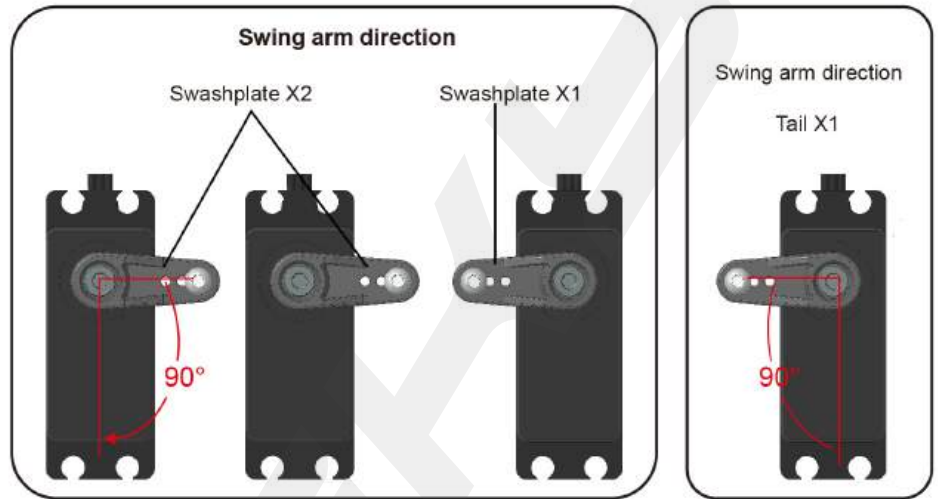
! CAUTION

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."



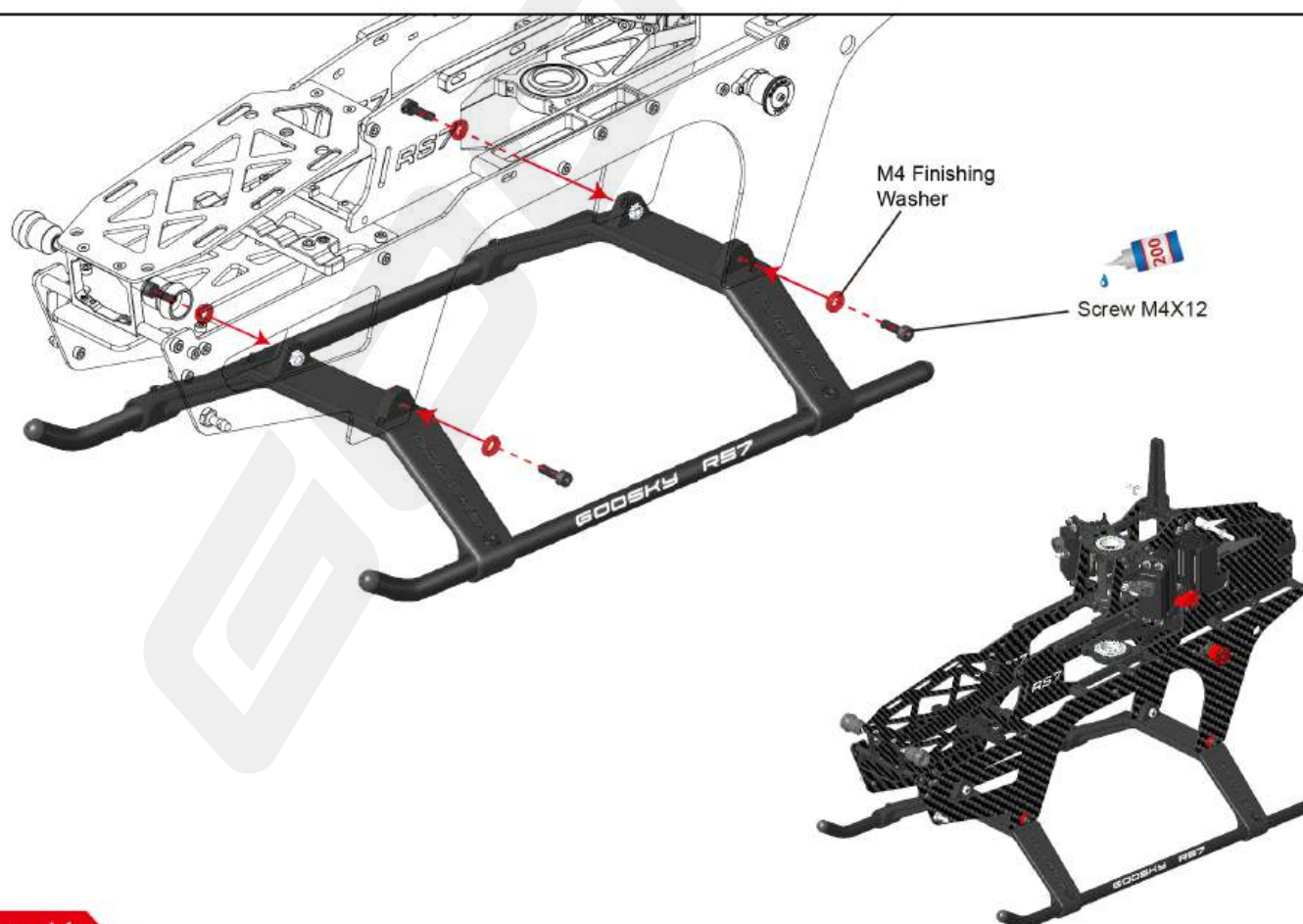
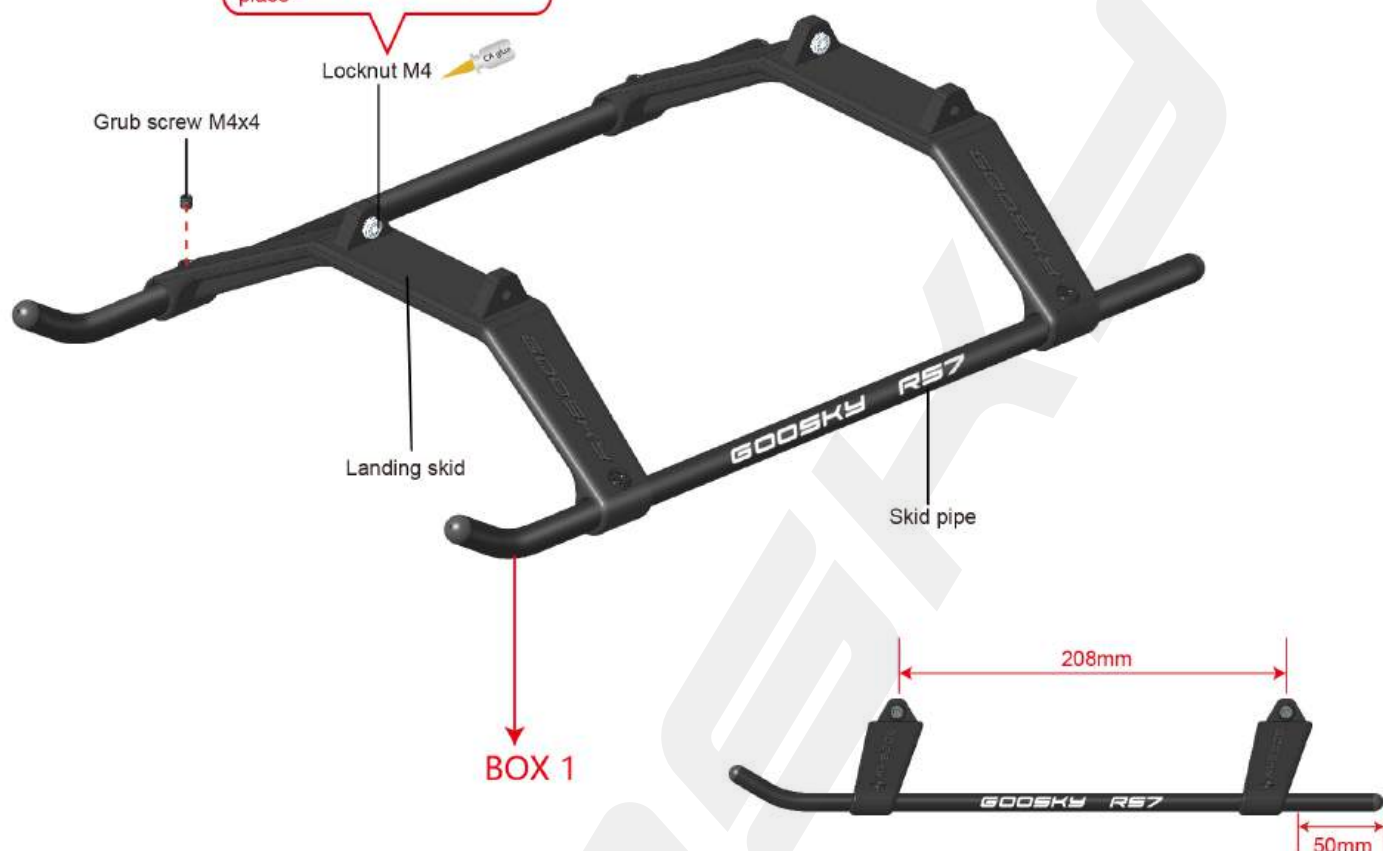


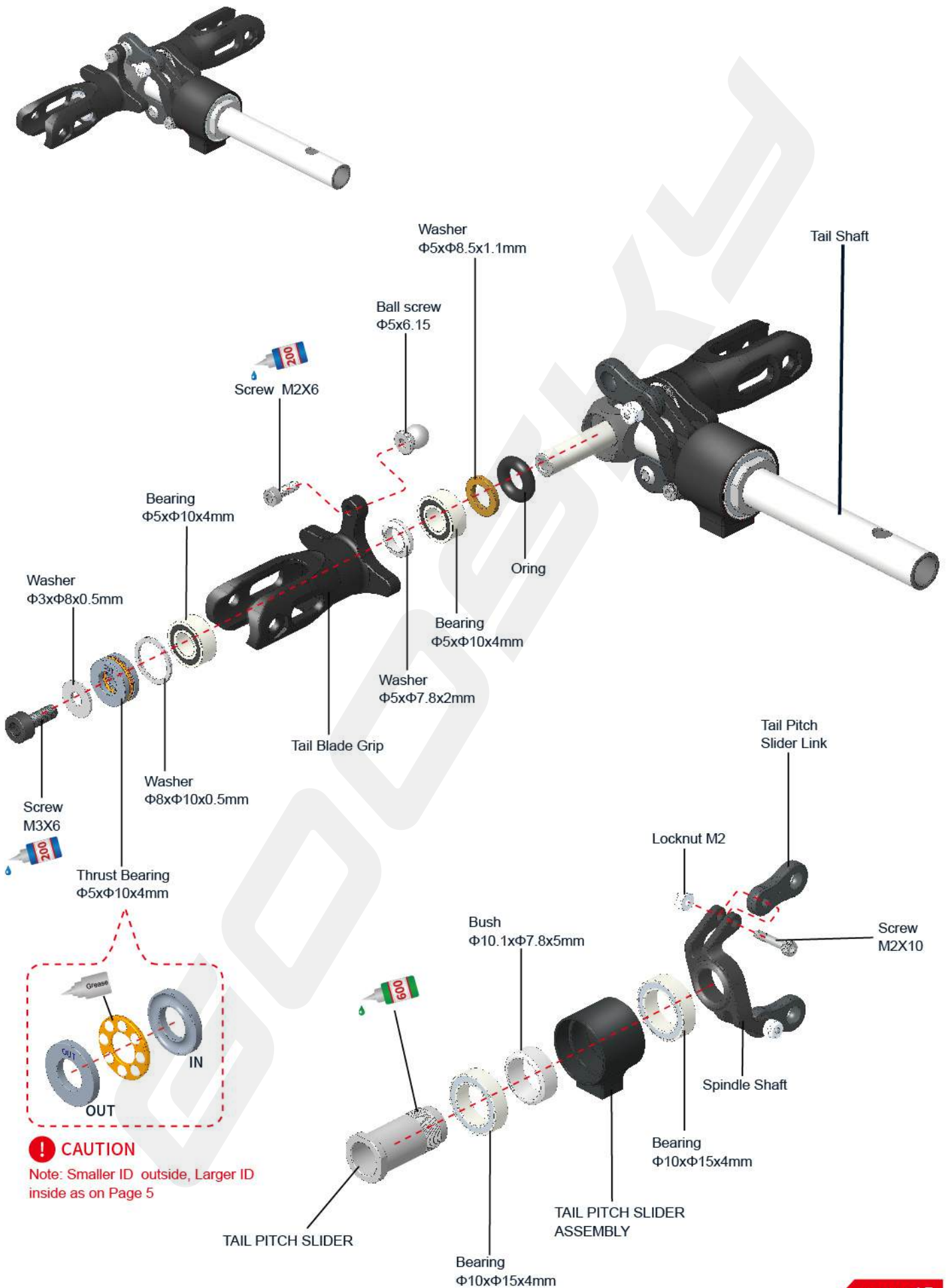
Note: the 3 Swashplate servos must be the same specification (brand and model), while the tail servo will be of a different specification."

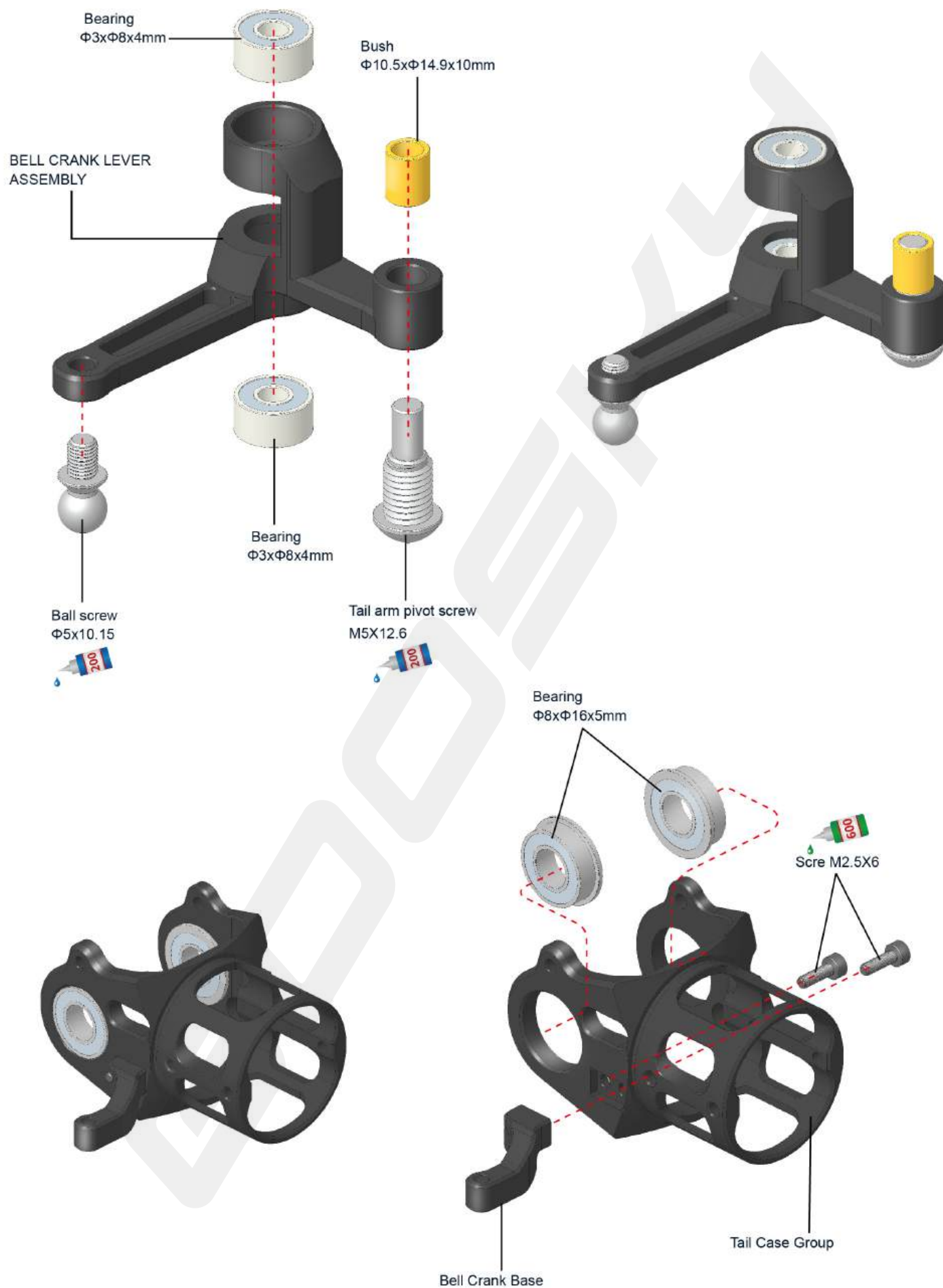


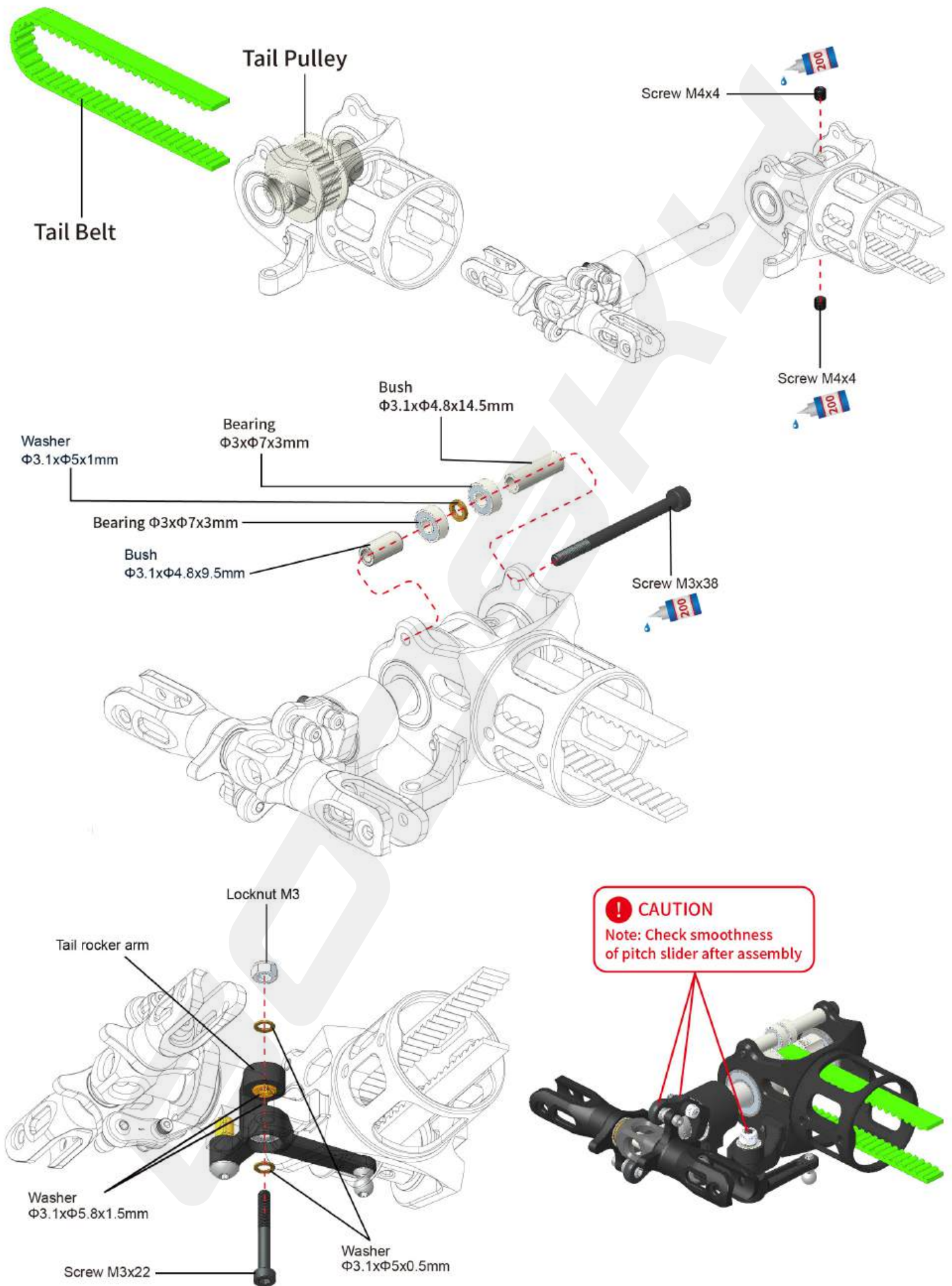
CAUTION

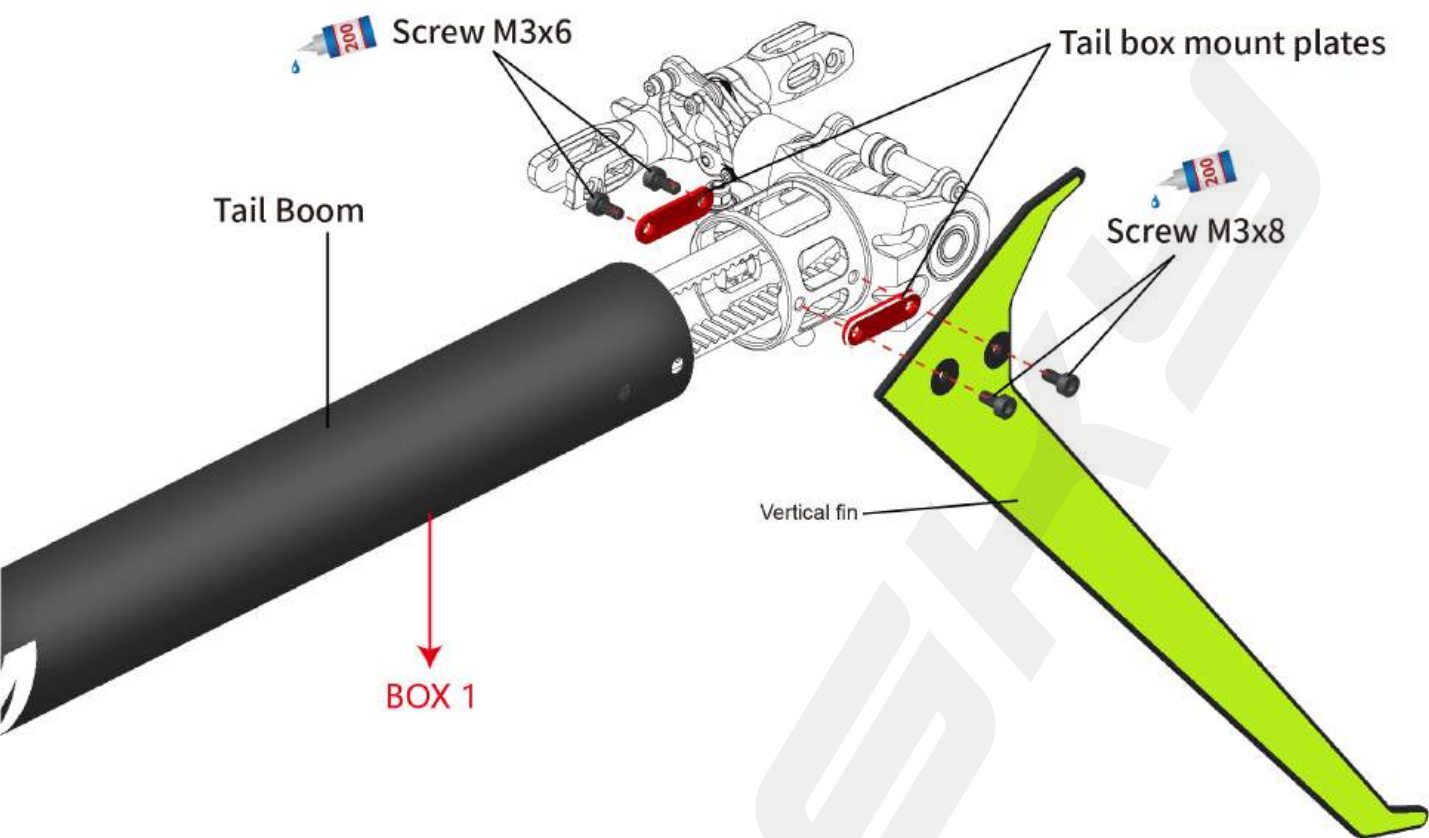
The locknuts can be glued into the landing skid to hold them in place





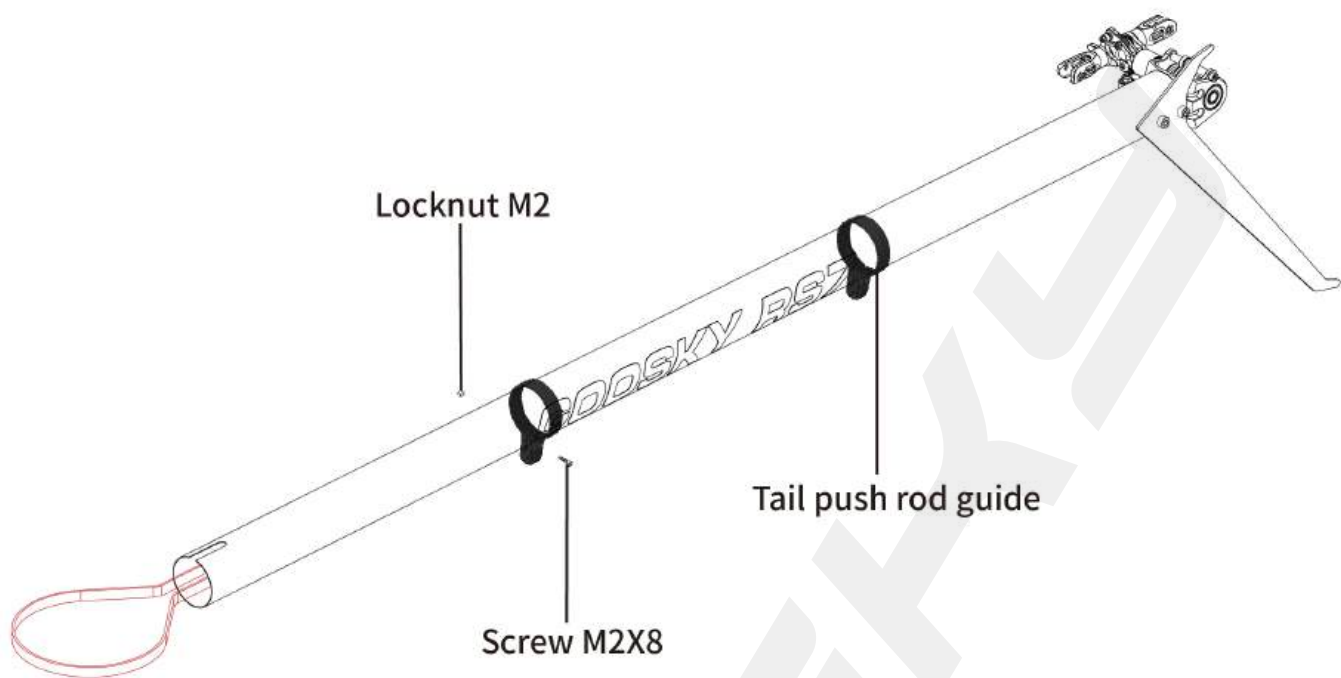


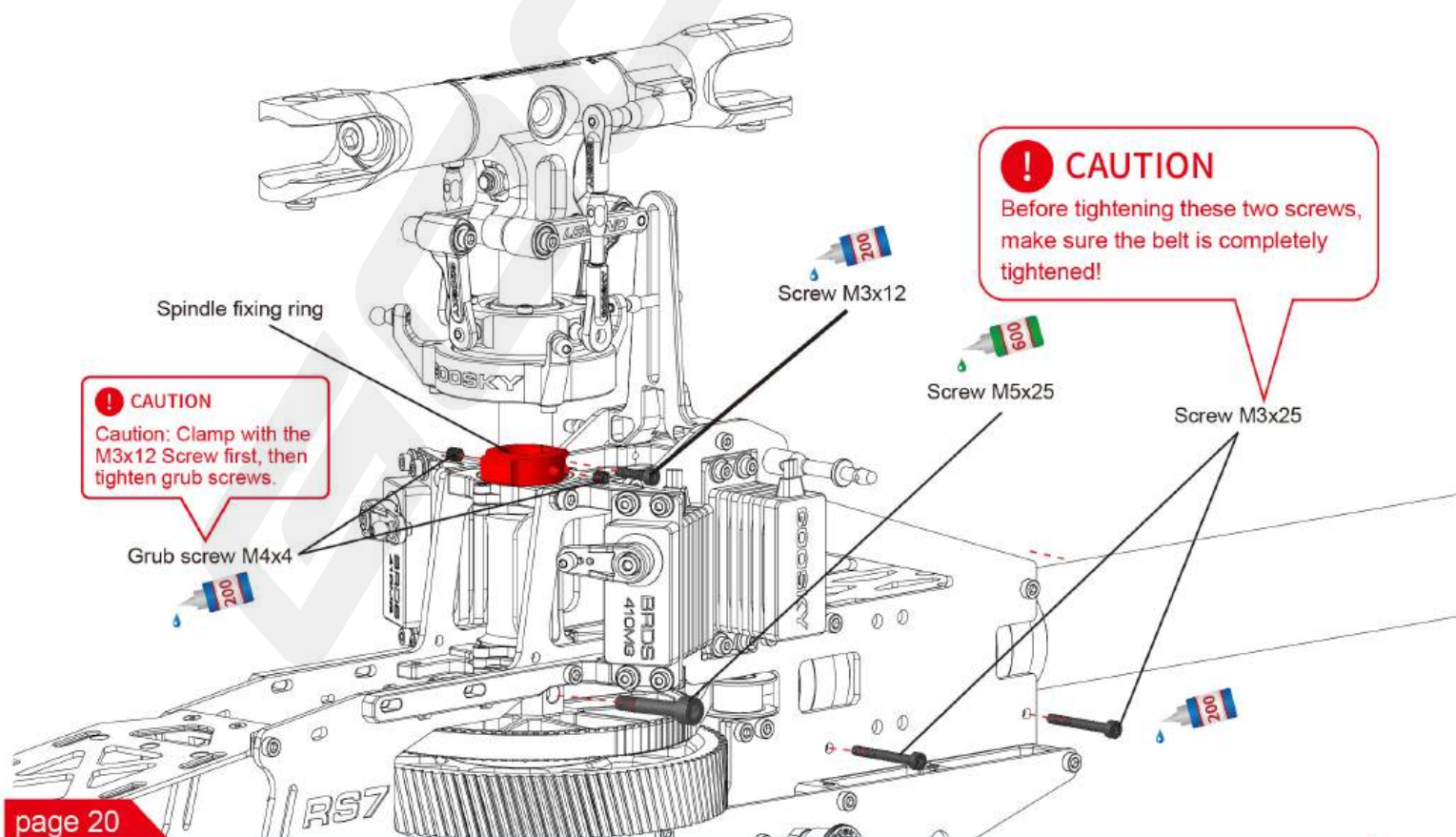
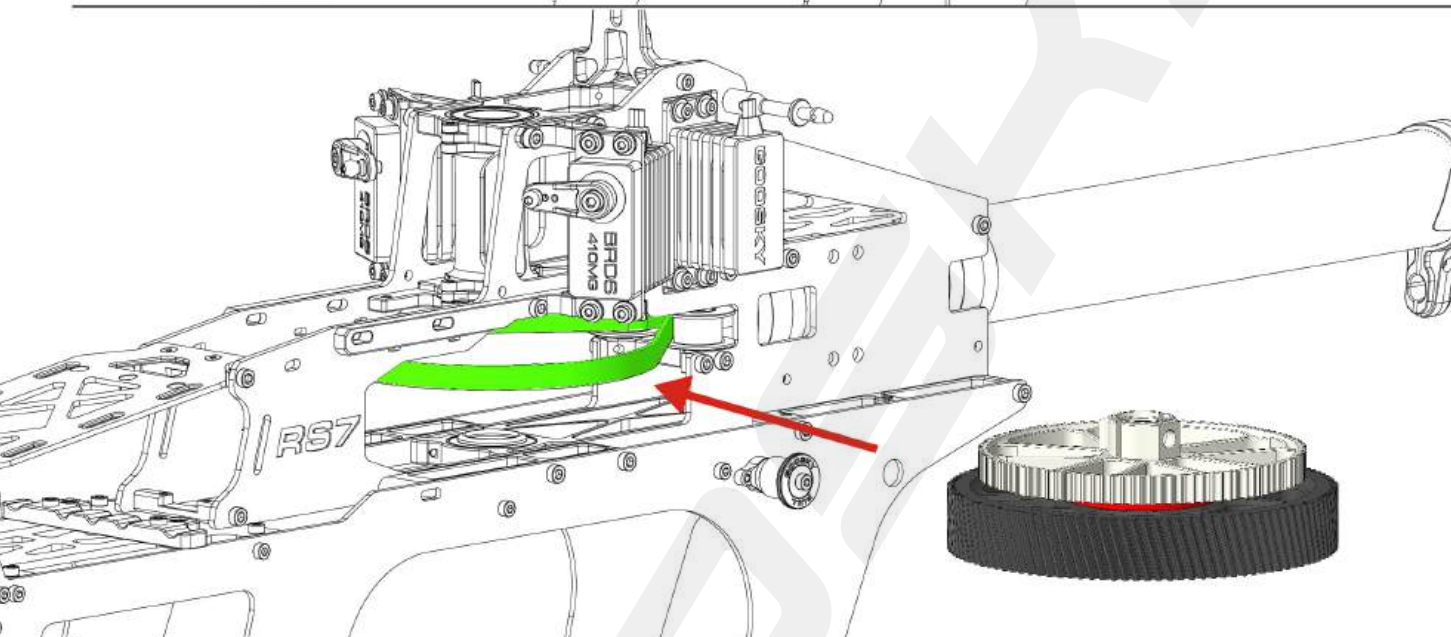
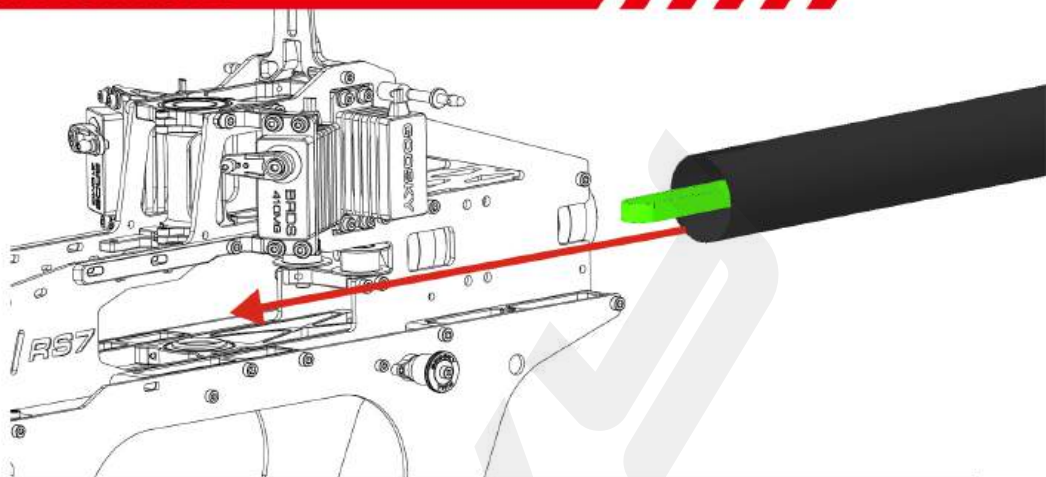


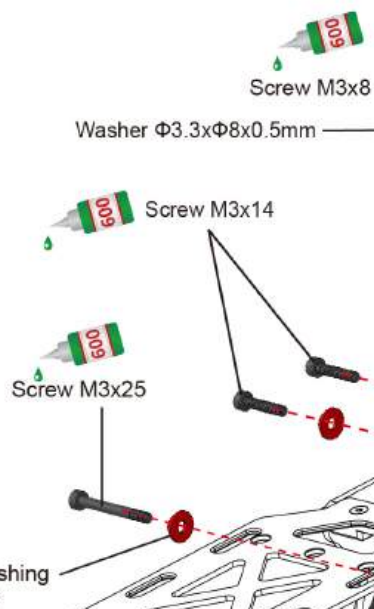
**! CAUTION**

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









! CAUTION

Attention: Before tightening the motor screws, please adjust the gear backlash. Tighten the 8 screws gradually and evenly to provide a uniform force distribution.

RS7

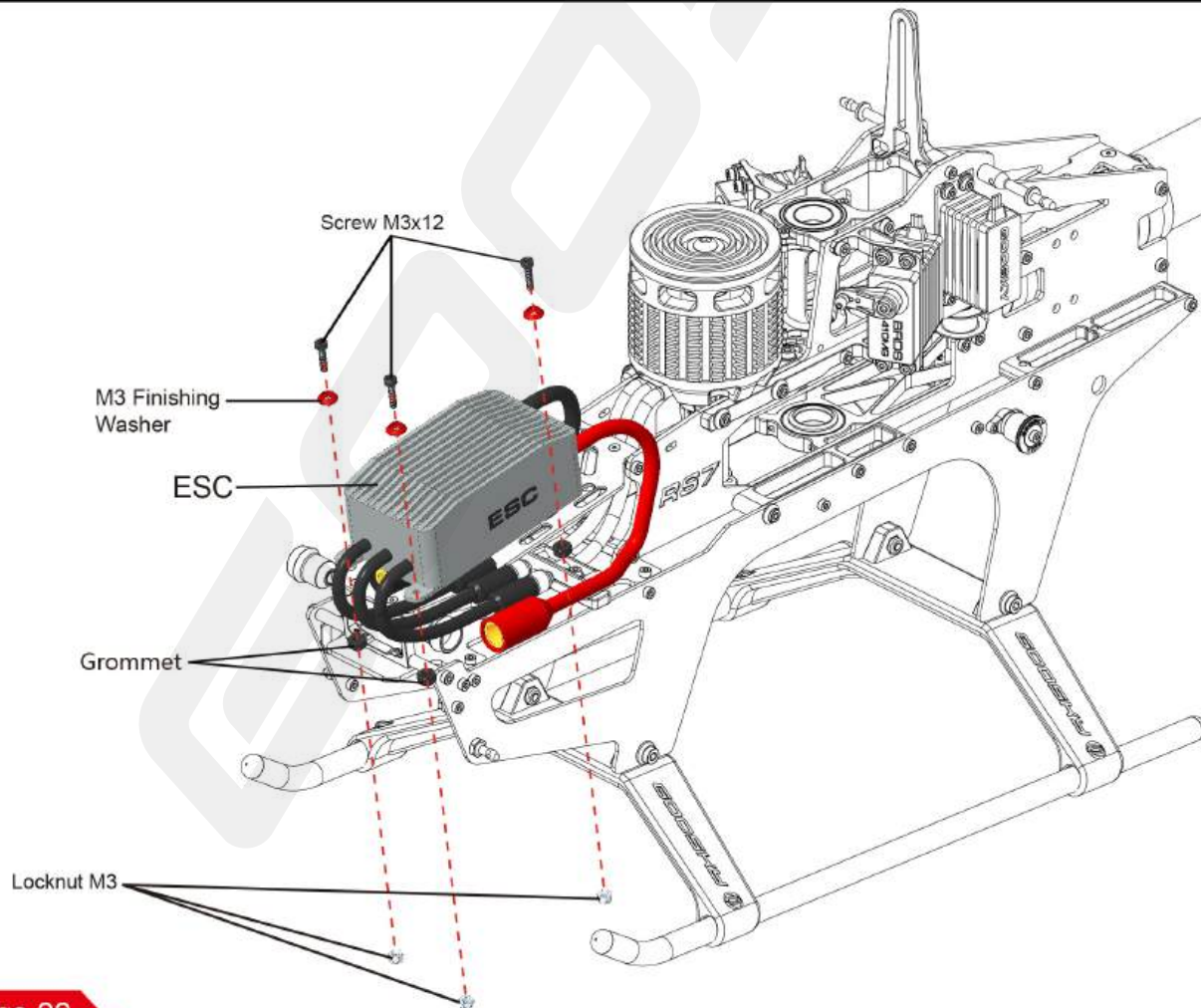
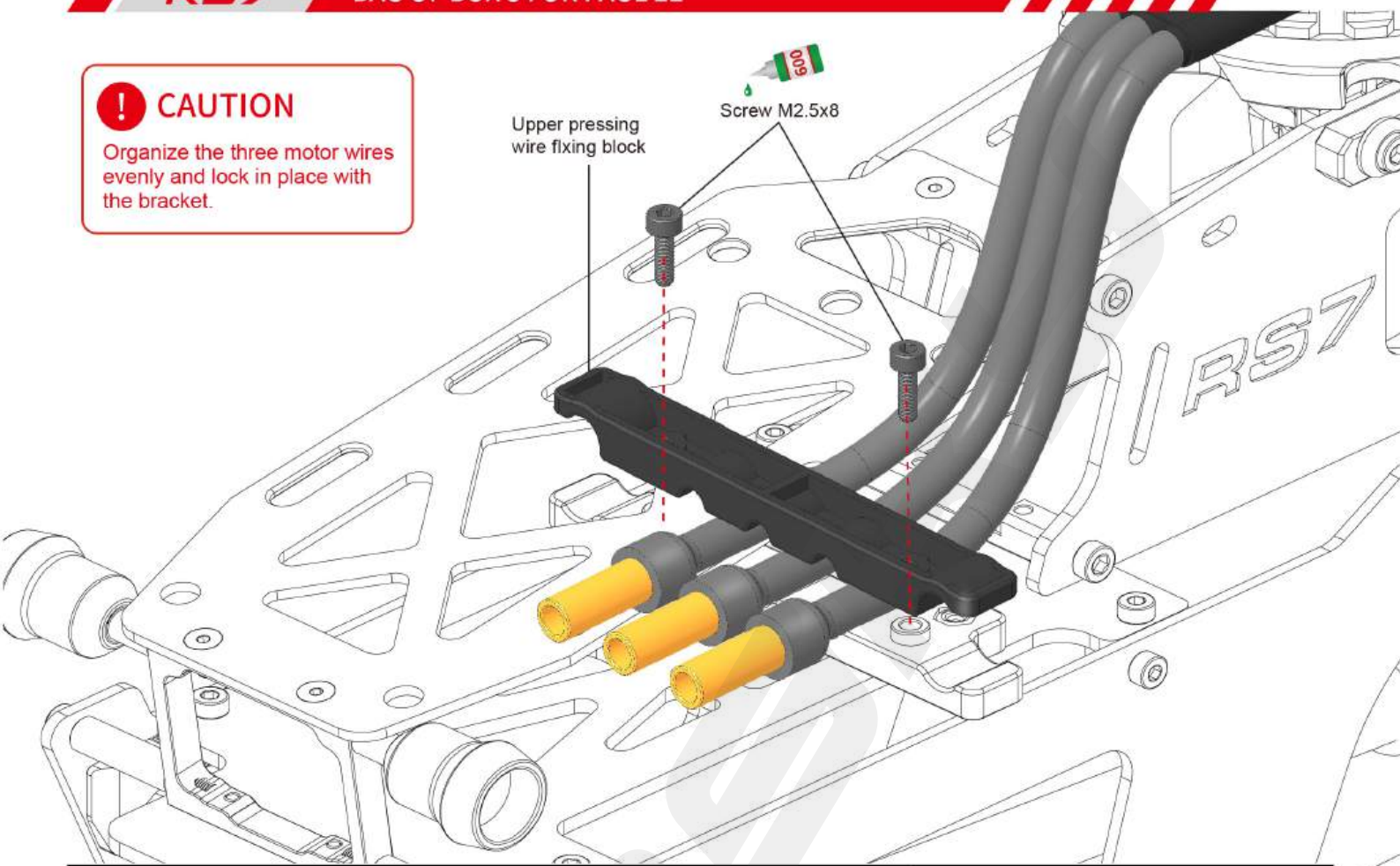
! CAUTION

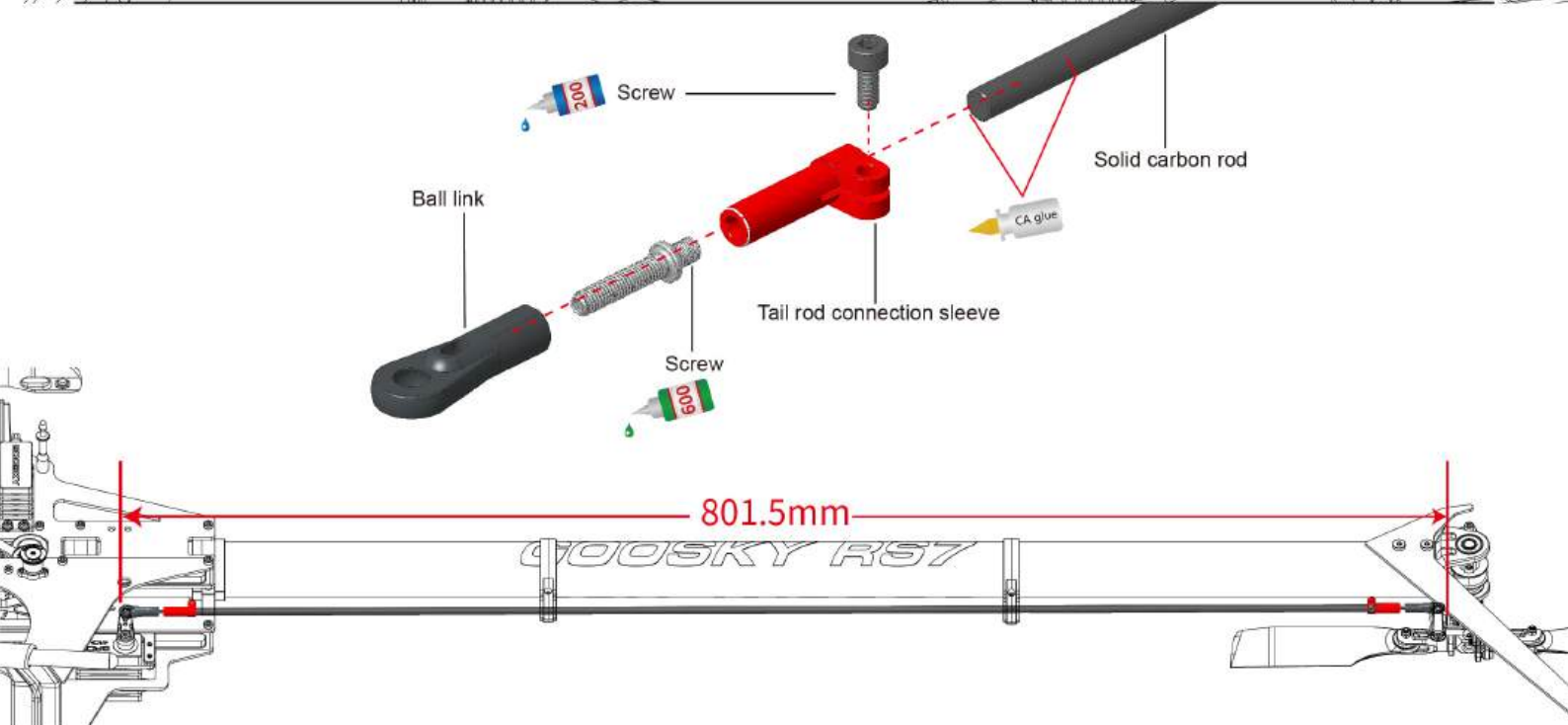
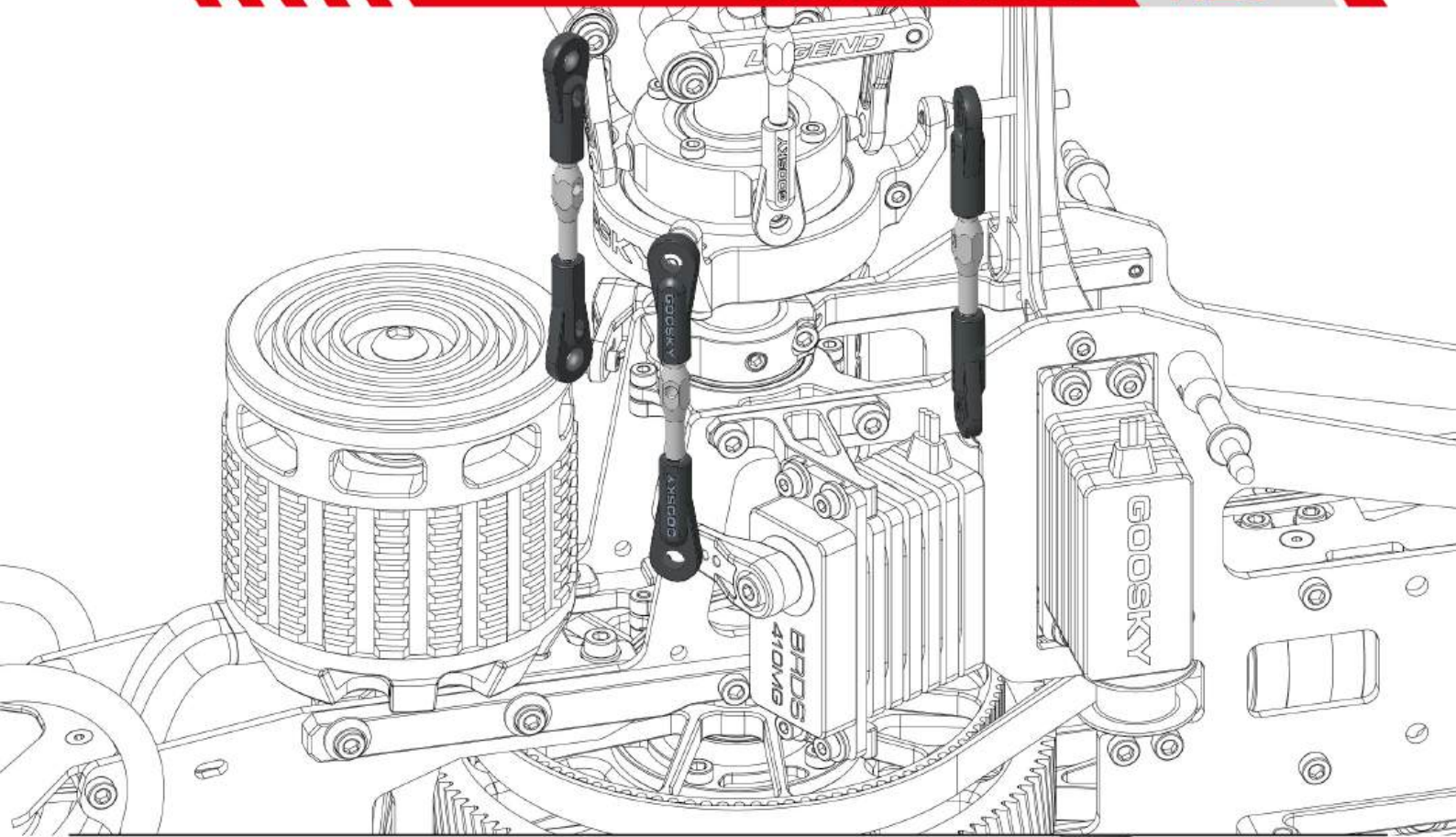
Grease

GOOSKY BULL

! CAUTION

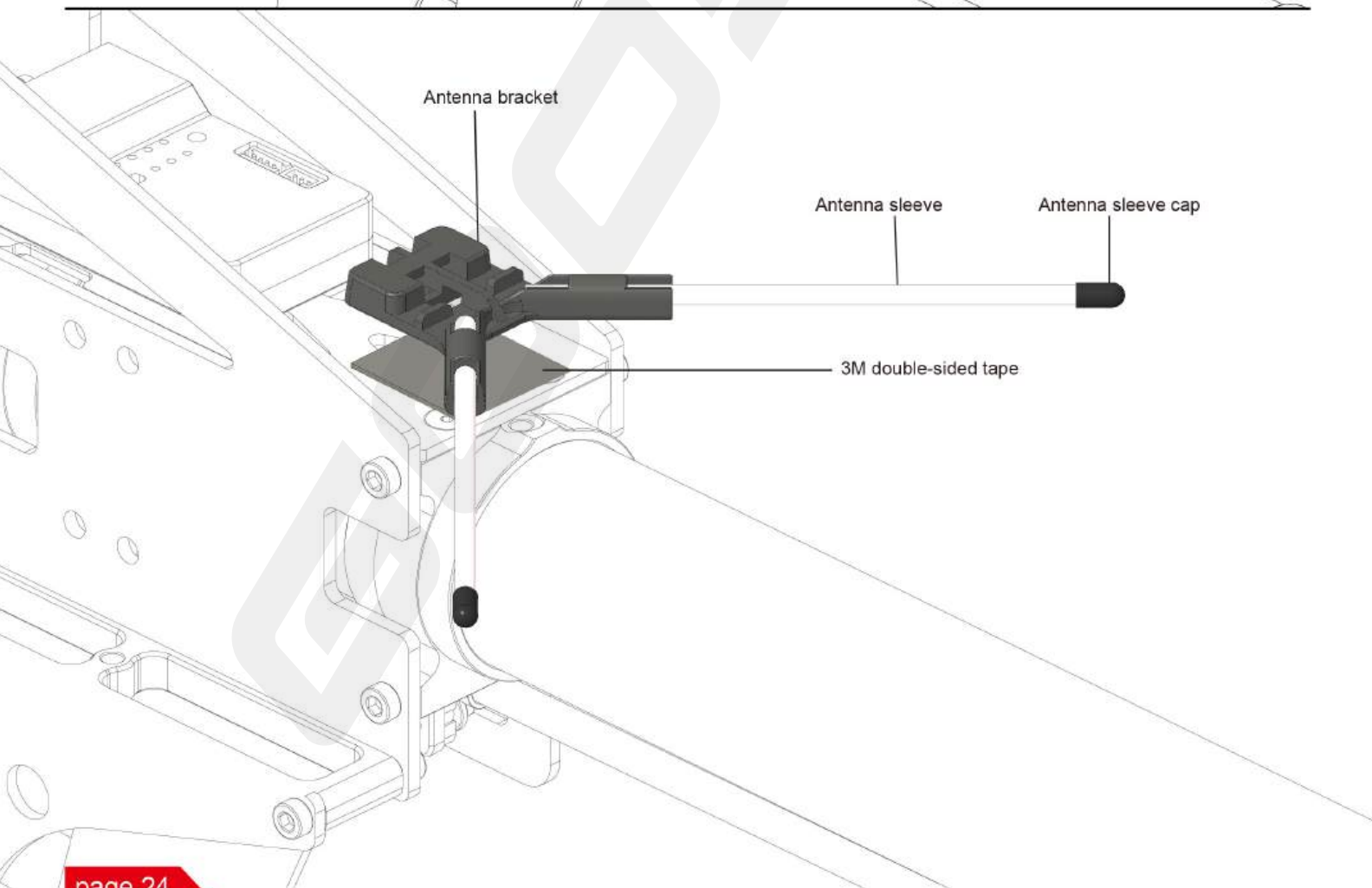
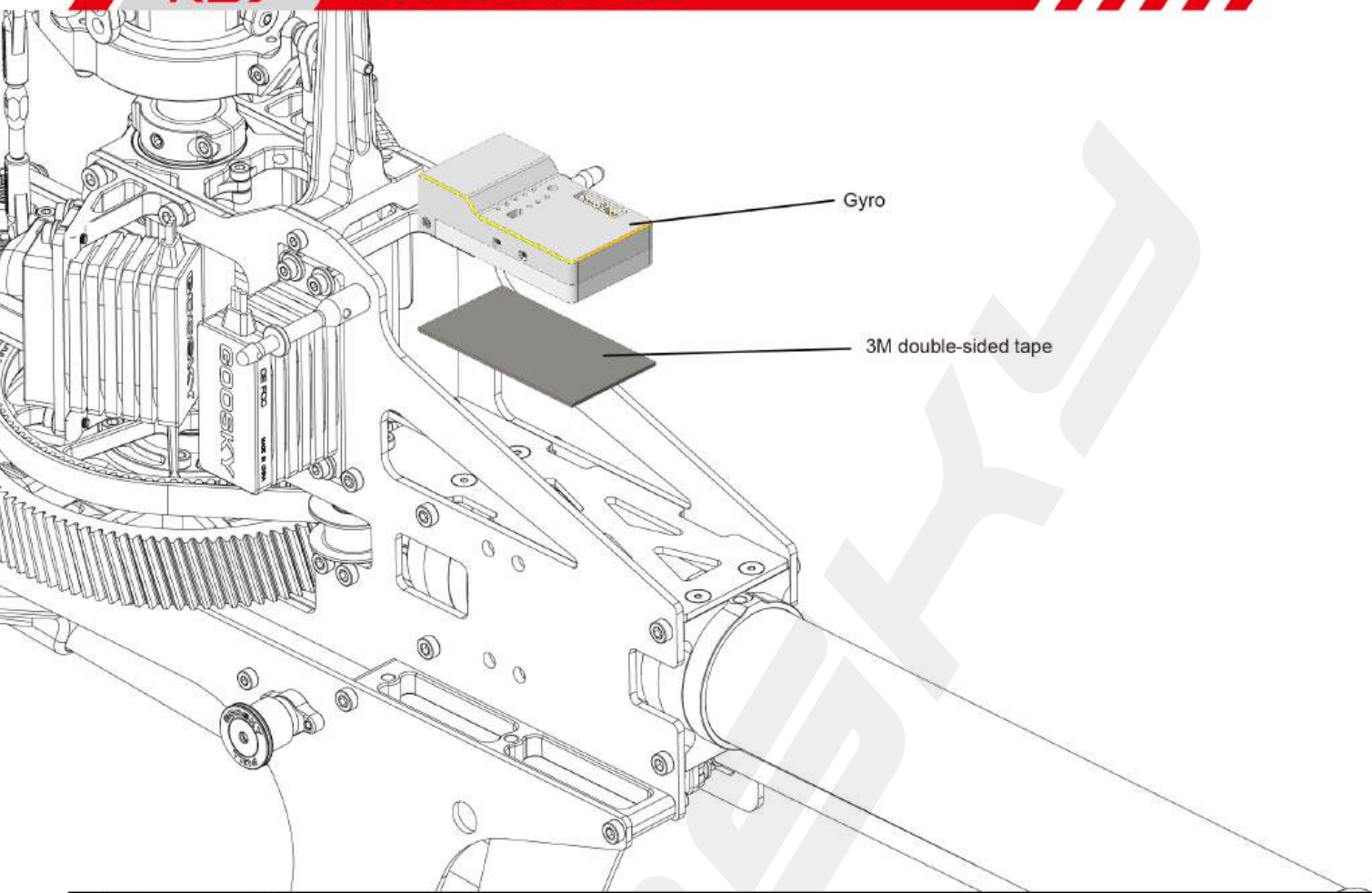
Organize the three motor wires evenly and lock in place with the bracket.

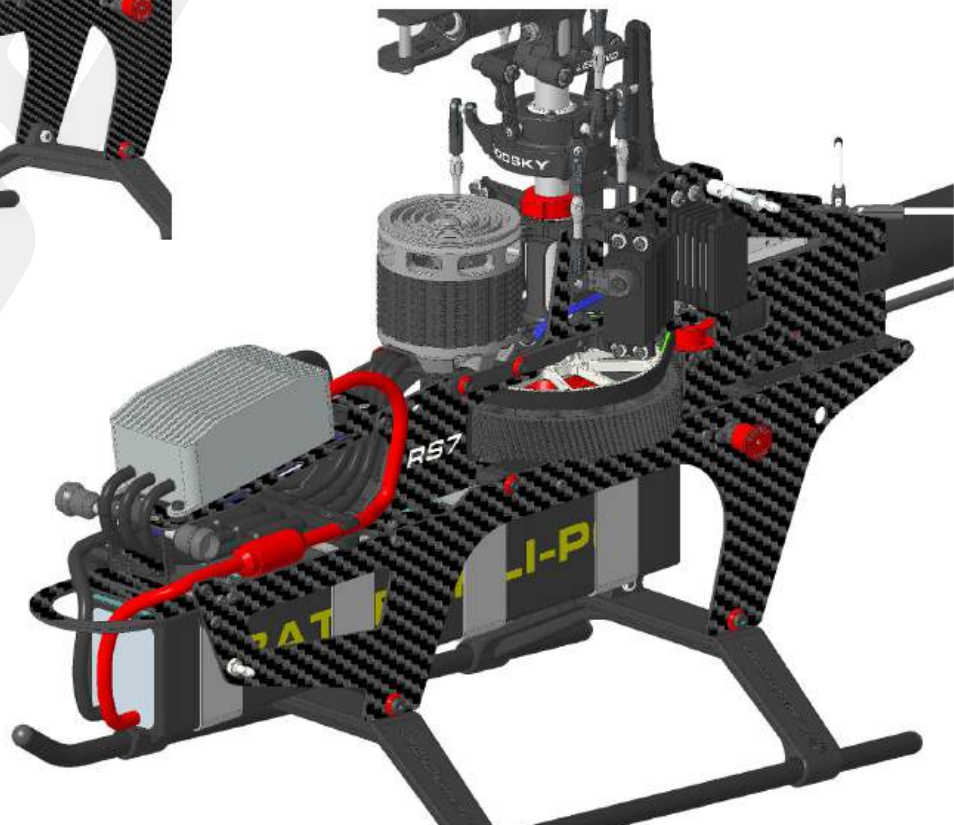
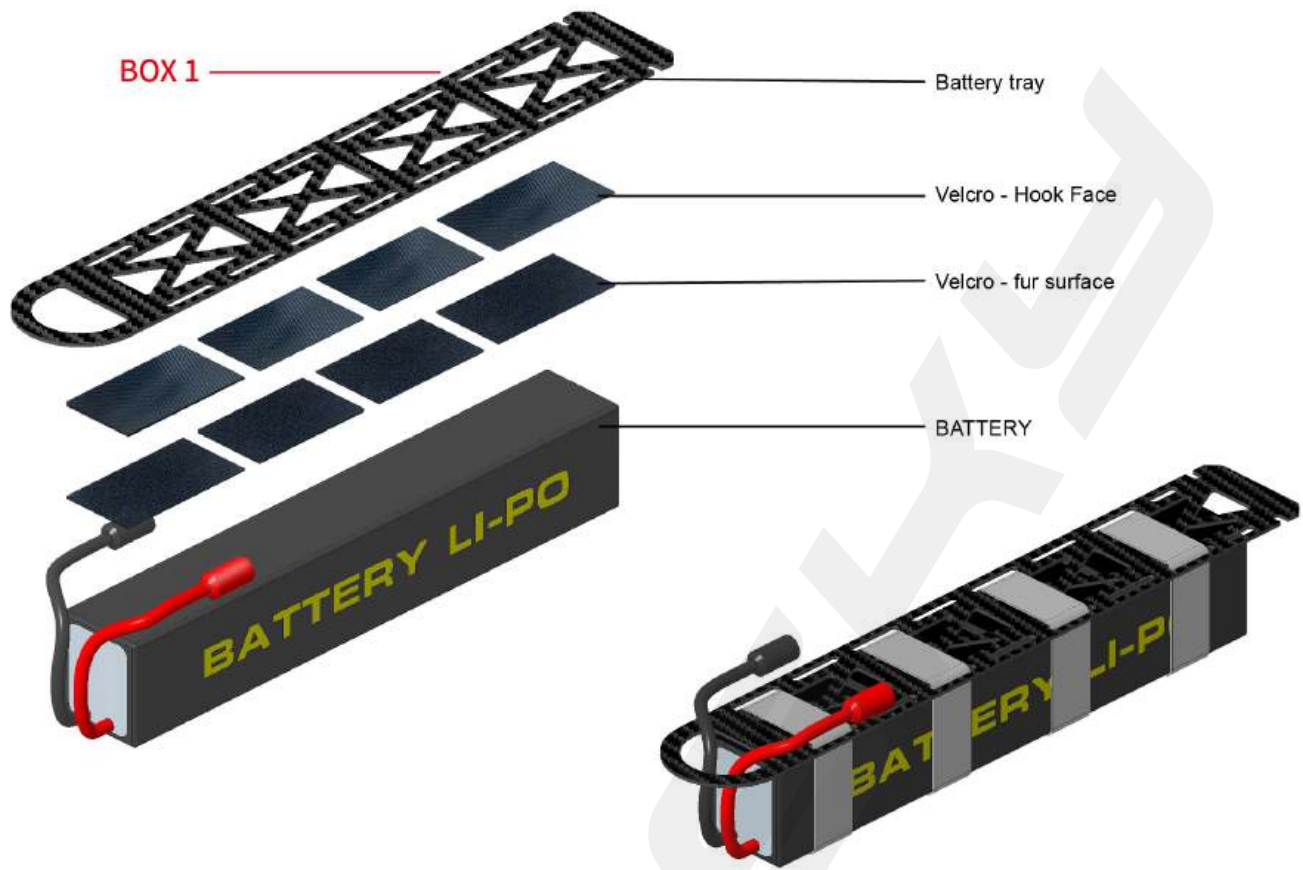




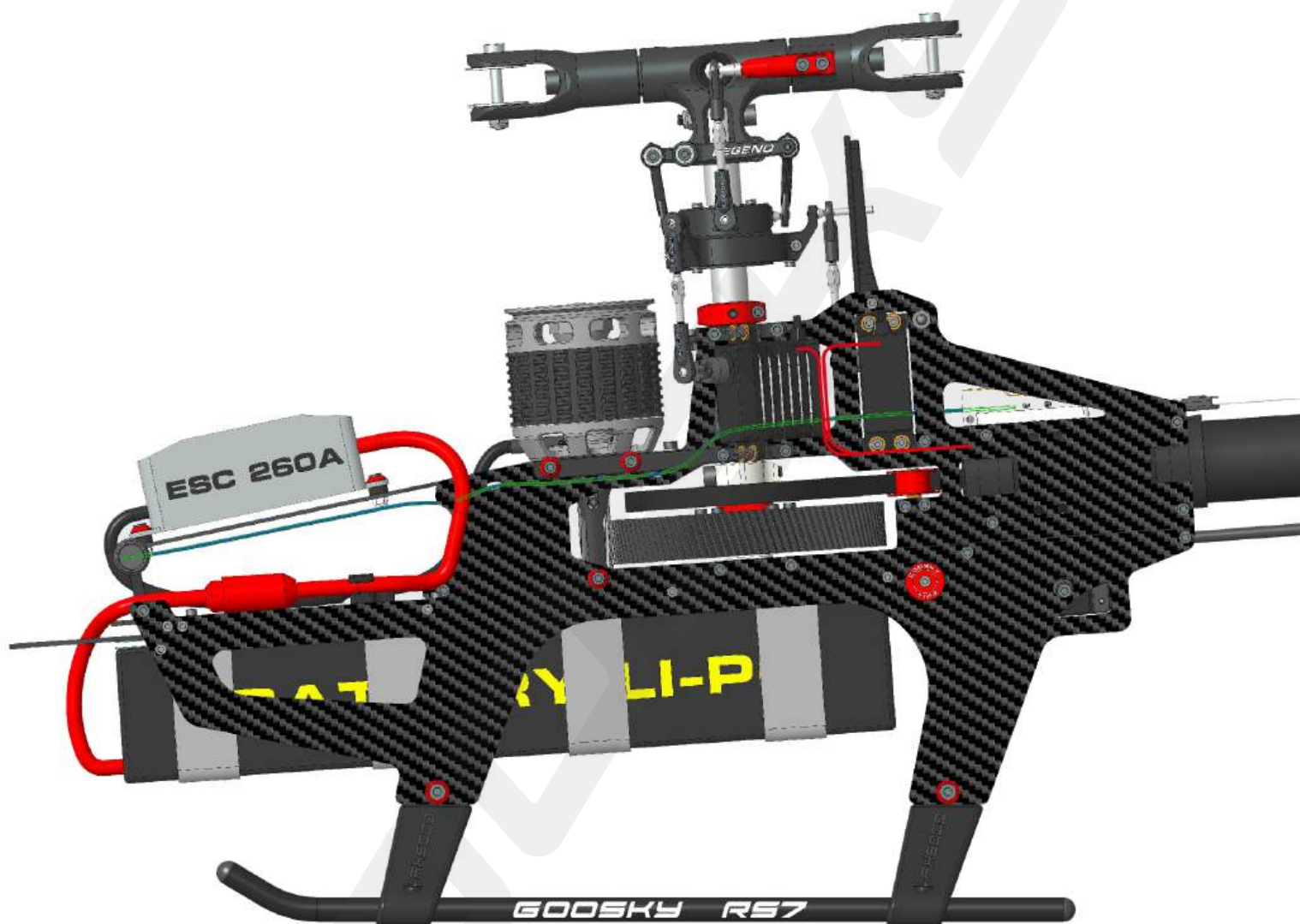
Please ensure smooth connection between the guide rings and the tail push rod

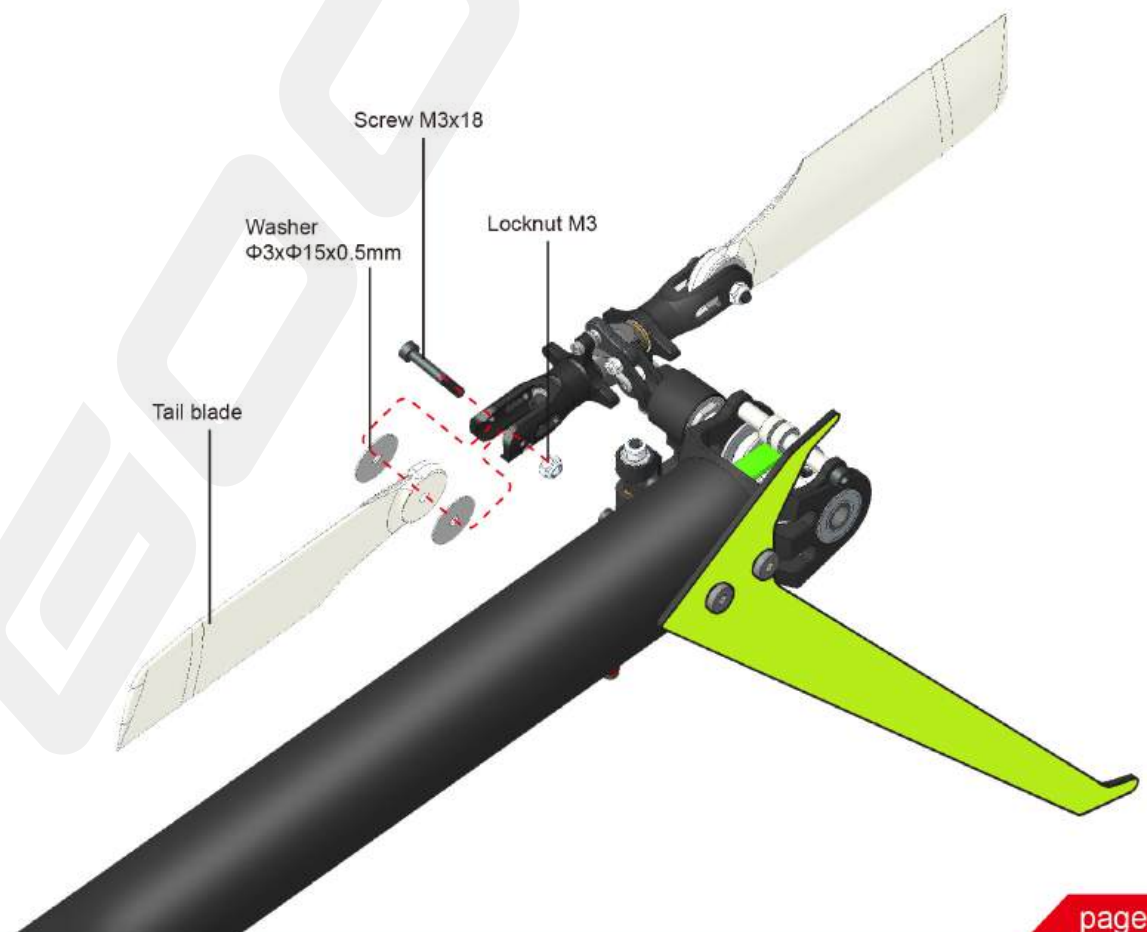
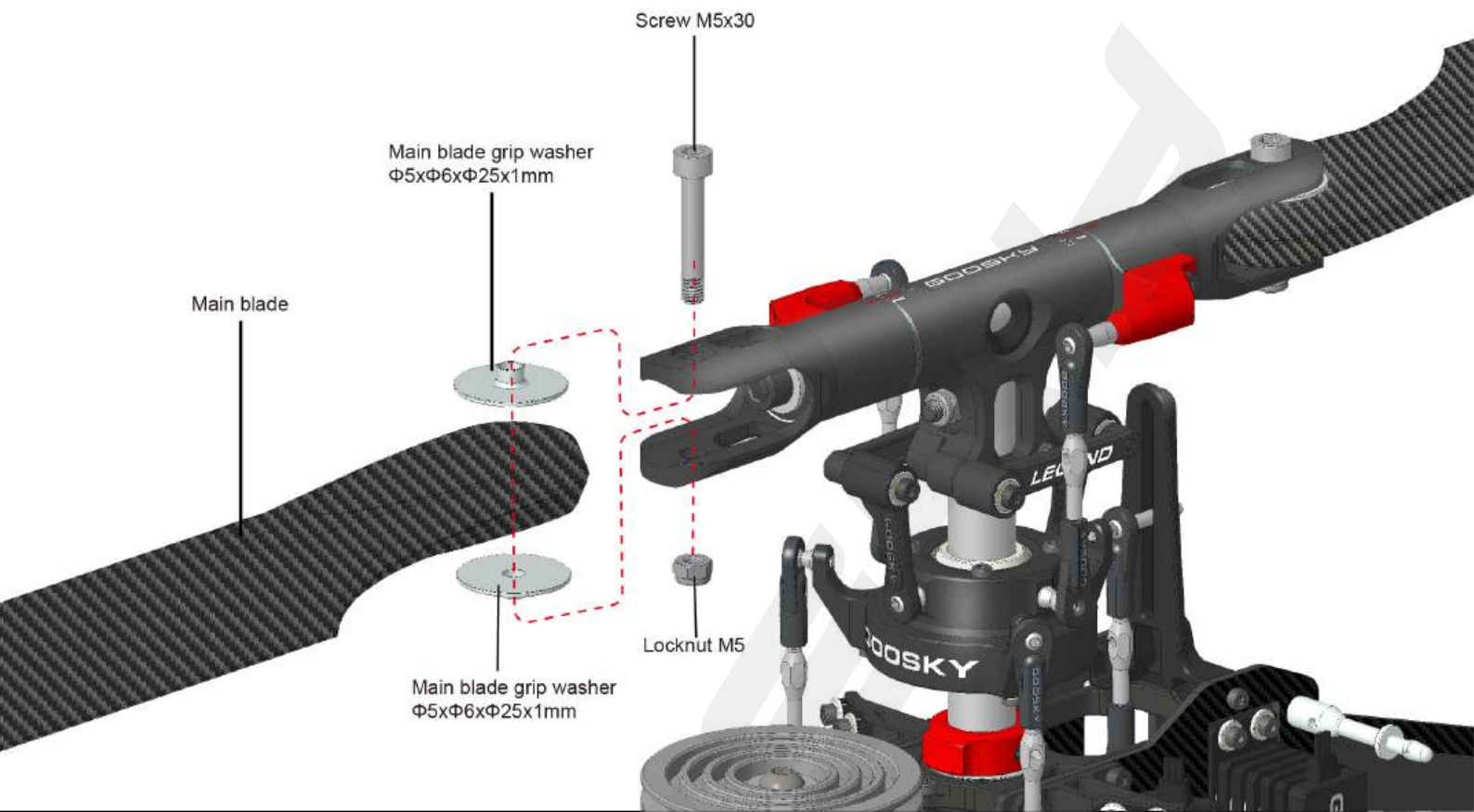


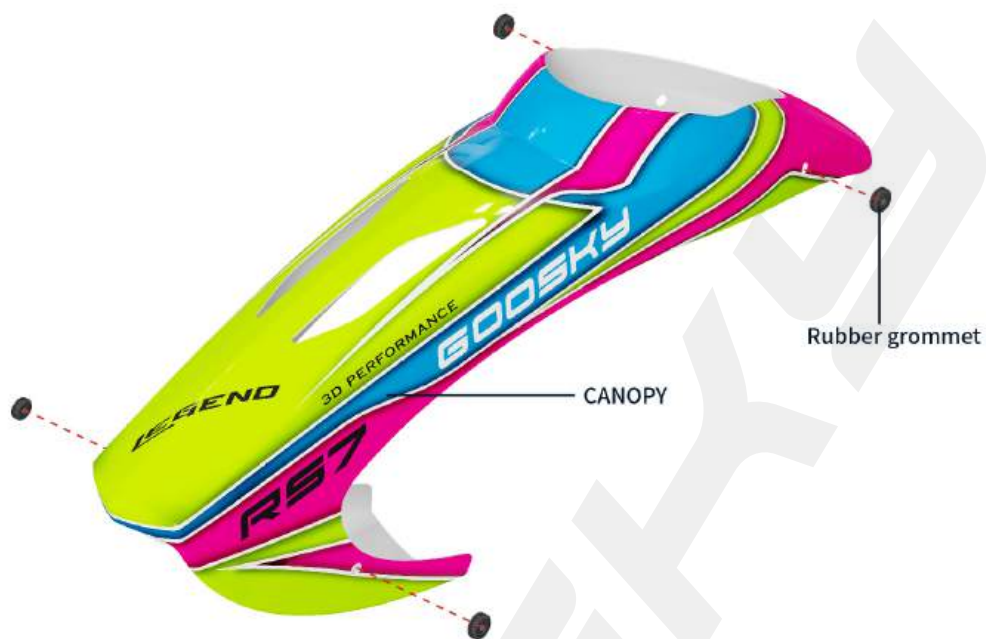




Wiring reference








! CAUTION

"Caution! Use the included canopypins to keep the canopy inplace during high energymaneuvers























Model: GT040001 Package: Hang tag +PE bag Product name: Aluminum Center Hub 	Model: GT040002 Package: Hang tag +PE bag Product name: Balance bush 	Model: GT040003 Package: Hang tag +PE bag Product name: Main rotor head damping-90 degrees 	Model: GT040004 Package: Hang tag +PE bag Product name: Main rotor head damping-80 degrees 
Model: GT040005 Package: Hang tag +PE bag Product name: Main rotor head damping-POM 	Model: GT040006 Package: Hang tag +PE bag Product name: Main blade grip 	Model: GT040007 Package: Hang tag +PE bag Product name: Pitch control arm set 	Model: GT040008 Package: Hang tag +PE bag Product name: Feathering Shaft Set 
Model: GT040009 Package: Hang tag +PE bag Product name: Flat thrust bearing set F10-18M 	Model: GT040010 Package: Hang tag +PE bag Product name: M5 locknut  X10	Model: GT040011 Package: Hang tag +PE bag Product name: Main blade grip washers 	Model: GT040012 Package: Hang tag +PE bag Product name: Servo to swash link  X5
Model: GT040013 Package: Hang tag +PE bag Product name: Ball link M3 NO:1,2,3,4,5  X10	Model: GT040014 Package: Hang tag +PE bag Product name: Ball link M2.5 NO:6  X4	Model: GT040015 Package: Hang tag +PE bag Product name: Washout arm set 	Model: GT040016 Package: Hang tag +PE bag Product name: Washout links 
Model: GT040017 Package: Hang tag +PE bag Product name: Main shaft  X1	Model: GT040018 Package: Hang tag +PE bag Product name: Swash outer ring set 	Model: GT040019 Package: Hang tag +PE bag Product name: Swash center 	Model: GT040020 Package: Hang tag +PE bag Product name: Swash inner ring 

Model: GT040021 Package: Hang tag +PE bag Product name: Front pulley 	Model: GT040022 Package: Hang tag +PE bag Product name: Oneway bearing seat 	Model: GT040023 Package: Hang tag +PE bag Product name: Oneway bearing 	Model: GT040024 Package: Hang tag +PE bag Product name: Main gear 
Model: GT040025 Package: Hang tag +PE bag Product name: Main shaft locating ring 	Model: GT040026 Package: Hang tag +PE bag Product name: Tail Belt 	Model: GT040027 Package: Hang tag +PE bag Product name: Main shaft bearing holder 	Model: GT040028 Package: Hang tag +PE bag Product name: Main frame upper plate 
Model: GT040029 Package: Hang tag +PE bag Product name: Main frame lower plate 	Model: GT040030 Package: Hang tag +PE bag Product name: Third bearing block 	Model: GT040031 Package: Hang tag +PE bag Product name: Front belt pulley support 	Model: GT040032 Package: Hang tag +PE bag Product name: Front Belt pulley (Single Set) 
Model: GT040033 Package: Hang tag +PE bag Product name: Tail boom clamp 	Model: GT040034 Package: Hang tag +PE bag Product name: Gyro plate 	Model: GT040035 Package: Hang tag +PE bag Product name: Anti-rotation bracket 	Model: GT040036 Package: Hang tag +PE bag Product name: Battery rail set-L 
Model: GT040037 Package: Hang tag +PE bag Product name: Battery rail set-R 	Model: GT040038 Package: Hang tag +PE bag Product name: Battery latch set 	Model: GT040039 Package: Hang tag +PE bag Product name: Main Frame rear reinforcement plate 	Model: GT040040 Package: Hang tag +PE bag Product name: Main Frame middle reinforcement plate 

Model: GT040041 Package: Hang tag +PE bag Product name: Main Frame Front Connecting Set 	Model: GT040042 Package: Hang tag +PE bag Product name: Front canopy mount 	Model: GT040043 Package: Hang tag +PE bag Product name: Rear canopy mount 	Model: GT040044 Package: Hang tag +PE bag Product name: Canopy rubber support set 
Model: GT040045 Package: Hang tag +PE bag Product name: Upper servo mount 	Model: GT040046 Package: Hang tag +PE bag Product name: Servo lower bracket -L 	Model: GT040047 Package: Hang tag +PE bag Product name: Servo lower bracket -R 	Model: GT040048 Package: Hang tag +PE bag Product name: Tail servo bracket 
Model: GT040049 Package: Hang tag +PE bag Product name: Servo screw set 	Model: GT040050 Package: Hang tag +PE bag Product name: Upper side panel -L 	Model: GT040051 Package: Hang tag +PE bag Product name: Upper side panel -R 	Model: GT040052 Package: Hang tag +PE bag Product name: Lower side panel -L 
Model: GT040053 Package: Hang tag +PE bag Product name: Lower side panel -R 	Model: GT040054 Package: Hang tag +PE bag Product name: Front Frame Carbon plate 	Model: GT040055 Package: Hang tag +PE bag Product name: ESC fixing plate 	Model: GT040056 Package: Hang tag +PE bag Product name: Front frame bracket 
Model: GT040057 Package: Hang tag +PE bag Product name: Main frame connection block 	Model: GT040058 Package: Hang tag +PE bag Product name: Wire harness sorting bracket 	Model: GT040059 Package: Hang tag +PE bag Product name: Motor Gear-11T 	Model: GT040060 Package: Hang tag +PE bag Product name: Motor Gear-12T 

Model: GT040061 Package: Hang tag +PE bag Product name: Motor mount plate 	Model: GT040062 Package: Hang tag +PE bag Product name: Motor concentricity cage 	Model: GT040063 Package: Hang tag +PE bag Product name: Landing Skid 	Model: GT040064 Package: Hang tag +PE bag Product name: Skid pipes 
Model: GT040065 Package: Hang tag +PE bag Product name: Tail push rod 	Model: GT040066 Package: Hang tag +PE bag Product name: Tail push rod ball joint 	Model: GT040067 Package: Hang tag +PE bag Product name: Tail push rod guides 	Model: GT040068 Package: Hang tag +PE bag Product name: Tail boom 
Model: GT040069 Package: Hang tag +PE bag Product name: Vertical fin-Yellow 	Model: GT040070 Package: Hang tag +PE bag Product name: Vertical fin-Pink 	Model: GT040071 Package: Hang tag +PE bag Product name: Tail box mount plate set 	Model: GT040072 Package: Hang tag +PE bag Product name: Tail case 
Model: GT040073 Package: Hang tag +PE bag Product name: Tail bell crank bracket 	Model: GT040074 Package: Hang tag +PE bag Product name: Tail pulley-21T 	Model: GT040075 Package: Hang tag +PE bag Product name: Tail pulley crossbeam assembly 	Model: GT040076 Package: Hang tag +PE bag Product name: Tail bell crank 
Model: GT040077 Package: Hang tag +PE bag Product name: Tail slider 	Model: GT040078 Package: Hang tag +PE bag Product name: Tail pitch slider link 	Model: GT040079 Package: Hang tag +PE bag Product name: Tail shaft 	Model: GT040080 Package: Hang tag +PE bag Product name: Tail feathering shaft 

<p>Model: GT040099 Package: Hang tag +PE bag Product name: Ball head screws -$\phi 5 \times 10, 15$</p> <p>Suitable for: Tail rocker arm</p>  <p>X4</p>	<p>Model: GT040100 Package: Hang tag +PE bag Product name: Ball head screws -$\phi 5 \times 6, 15$</p> <p>Suitable for: Tail blade grip, steering gear rocker arm</p>  <p>X6</p>	<p>Model: GT040101 Package: Hang tag +PE bag Product name: Screws -M5X25</p> <p>Suitable for: main rotor head lock spindle, pulley lock spindle</p>  <p>X2</p>	<p>Model: GT040102 Package: Hang tag +PE bag Product name: Screws -M3X14</p> <p>Suitable for: main rotor headlock spindle clamping, main motor mounting side</p>  <p>X6</p>
<p>Model: GT040103 Package: Hang tag +PE bag Product name: Screws -M3X22</p> <p>Suitable for: Washout arm set, tail bell crank arm</p>  <p>X5</p>	<p>Model: GT040104 Package: Hang tag +PE bag Product name: Screws -M3X25</p> <p>Suitable for: tail pipe mounts, fuselage widening mounts, fuselage center reinforcement mounts. Motor concentricity holders, front bracket</p>  <p>X10</p>	<p>Model: GT040105 Package: Hang tag +PE bag Product name: Screws -M3X20</p> <p>Suitable for: Canopy support columns</p>  <p>X5</p>	<p>Model: GT020129 Package: Hang tag +PE bag Product name: Socket Screw Set -M3X18-L6</p> <p>Suitable for: Tail blade grip</p>  <p>X5</p>
<p>Model: GT040107 Package: Hang tag +PE bag Product name: Screws -M3X38</p> <p>Suitable for: Tail case</p>  <p>X2</p>	<p>Model: GT040108 Package: Hang tag +PE bag Product name: Screws -M3X12</p> <p>Suitable for: Spindle retaining rings</p>  <p>X5</p>	<p>Model: GT040109 Package: Hang tag +PE bag Product name: Screws -M3X10</p>  <p>X10</p>	<p>Model: GT020094 Package: Hang tag +PE bag Product name: Screws -M3X8-L6</p>  <p>X10</p>
<p>Model: GT040111 Package: Hang tag +PE bag Product name: Screws -M3X6</p>  <p>X10</p>	<p>Model: GT040112 Package: Hang tag +PE bag Product name: Screws -M2.5X8</p>  <p>X10</p>	<p>Model: GT040113 Package: Hang tag +PE bag Product name: Screws -M2.5X6</p>  <p>X10</p>	<p>Model: GT040114 Package: Hang tag +PE bag Product name: Screws -M2.5X5</p>  <p>X10</p>
<p>Model: GT040115 Package: Hang tag +PE bag Product name: Screws -ST3X10</p>  <p>X6</p>	<p>Model: GT040116 Package: Hang tag +PE bag Product name: Grub screws -M3X14</p>  <p>X5</p>	<p>Model: GT040117 Package: Hang tag +PE bag Product name: Bearing -$\phi 10 \times \phi 19 \times 7 \text{mm}$</p> <p>Suitable for: Main blade Grip</p>  <p>X1</p>	<p>Model: GT040118 Package: Hang tag +PE bag Product name: Bearing -$\phi 15 \times \phi 24 \times 7 \text{mm}$</p> <p>Suitable for: Main frame bearing holder</p>  <p>X1</p>

<p>Model: GT040119 Package: Hang tag +PE bag Product name: Bearing -$\phi 35 \times \phi 47 \times 10 \text{mm}$</p> <p>Suitable for: Swash outer ring</p>  <p>X1</p>	<p>Model: GT040120 Package: Hang tag +PE bag Product name: Bearing -$\phi 5 \times \phi 19 \times 6 \text{mm}$</p> <p>Suitable for: Main motor concentricity holder</p>  <p>X1</p>	<p>Model: GT040121 Package: Hang tag +PE bag Product name: Bearing - (GE15C)</p> <p>Suitable for: Swashplate</p>  <p>X1</p>	<p>Model: GT040122 Package: Hang tag +PE bag Product name: Bearing -$\phi 8 \times \phi 16 \times 5 \text{mm}$</p> <p>Suitable for: Tail case</p>  <p>X2</p>
<p>Model: GT040123 Package: Hang tag +PE bag Product name: Bearing -$\phi 15 \times \phi 21 \times 4 \text{mm}$</p> <p>Suitable for: Oneway bearing cover, Oneway bearing</p>  <p>X2</p>	<p>Model: GT040124 Package: Hang tag +PE bag Product name: Bearing -$\phi 3 \times \phi 10 \times 4 \text{mm}$</p> <p>Suitable for: Front belt pulley</p>  <p>X2</p>	<p>Model: GT040125 Package: Hang tag +PE bag Product name: Bearing -$\phi 3 \times \phi 8 \times 4 \text{mm}$</p> <p>Suitable for: Washout Control Arm, Washout control arm ball joint, tail bell crank</p>  <p>X2</p>	<p>Model: GT040126 Package: Hang tag +PE bag Product name: Bearing -$\phi 10 \times \phi 15 \times 4 \text{mm}$</p> <p>Suitable for: Tail slider</p>  <p>X2</p>
<p>Model: GT020087 Package: Hang tag +PE bag Product name: Bearing -$\phi 6 \times \phi 10 \times 4 \text{mm}$</p> <p>Product name: MR105ZZ Bearing-Brand NMB bearing-$\phi 6 \times \phi 10 \times 4 \text{mm}$ Suitable for: Tail blade grip</p>  <p>X4</p>	<p>Model: GT040127 Package: Hang tag +PE bag Product name: Bearing -$\phi 17 \times \phi 26 \times 5 \text{mm}$</p> <p>Suitable for: Third bearing block</p>  <p>X1</p>	<p>Model: GT040128 Package: Hang tag +PE bag Product name: Bearing -$\phi 3 \times \phi 7 \times 3 \text{mm}$</p> <p>Suitable for: Tail Belt pulley crossbeam</p>  <p>X2</p>	<p>Model: GT040129 Package: Hang tag +PE bag Product name: Washers</p> <p>Refer to: RS7 ALL</p> 
<p>Model: GT040130 Package: Hang tag +PE bag Product name: Battery guide set -L</p> 	<p>Model: GT040131 Package: Hang tag +PE bag Product name: Battery guide set -R</p> 	<p>Model: GT040132 Package: Hang tag +PE bag Product name: Canopy R -pins</p>  <p>X10</p>	<p>Model: GT040133 Package: Hang tag +PE bag Product name: Screw-M5X30</p> <p>Suitable for: Main blades</p>  <p>X2</p>
<p>Model: GT040134 Package: Hang tag +PE bag Product name: Swash plate servo DS410MG</p> 	<p>Model: GT040135 Package: Hang tag +PE bag Product name: Lock tail servo DS320MG</p> 	<p>Model: GT040136 Package: Hang tag +PE bag Product name: Gokoxy-Hobbywing Cobranded ESC 260A</p> 	<p>Model: GT040137 Package: Hang tag +PE bag Product name: Spacer fitting set</p> 

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