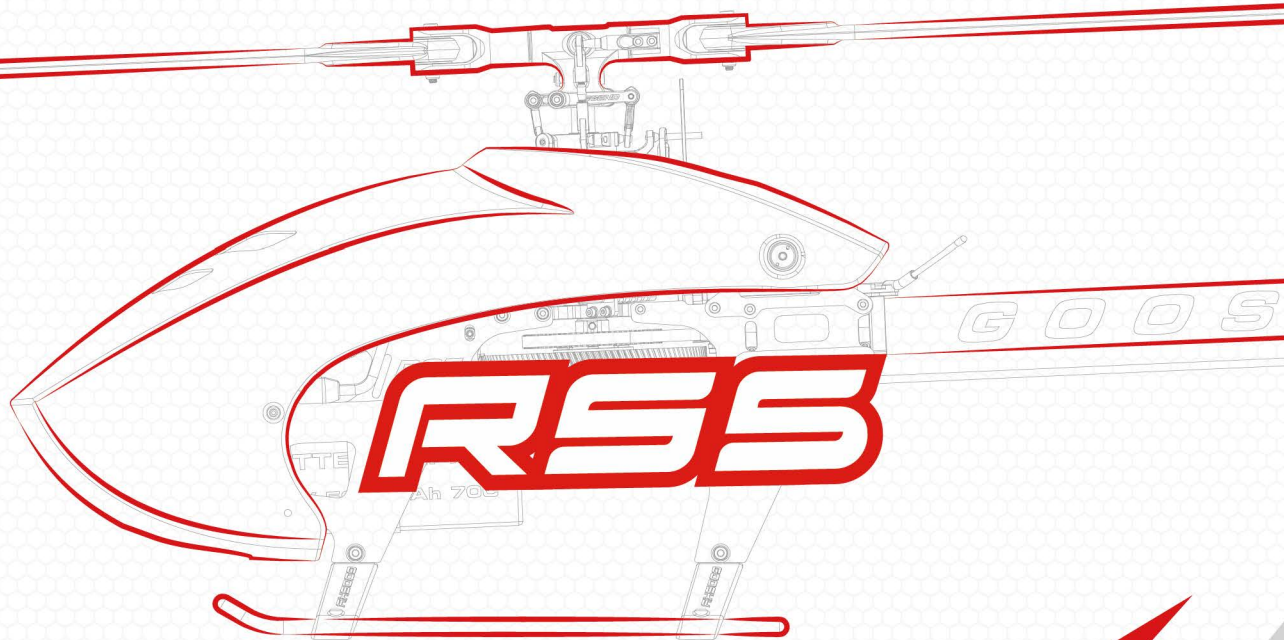


GOOSKY

INSTRUCTION MANUAL



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

Thank you for buying GOOSKY products. The RS5 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 RS5 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 RS5 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 RS5 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 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.

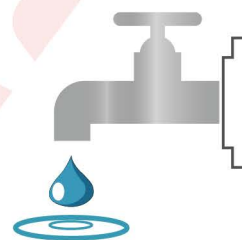


FORBIDDEN

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.

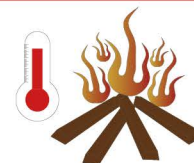


CAUTION

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.

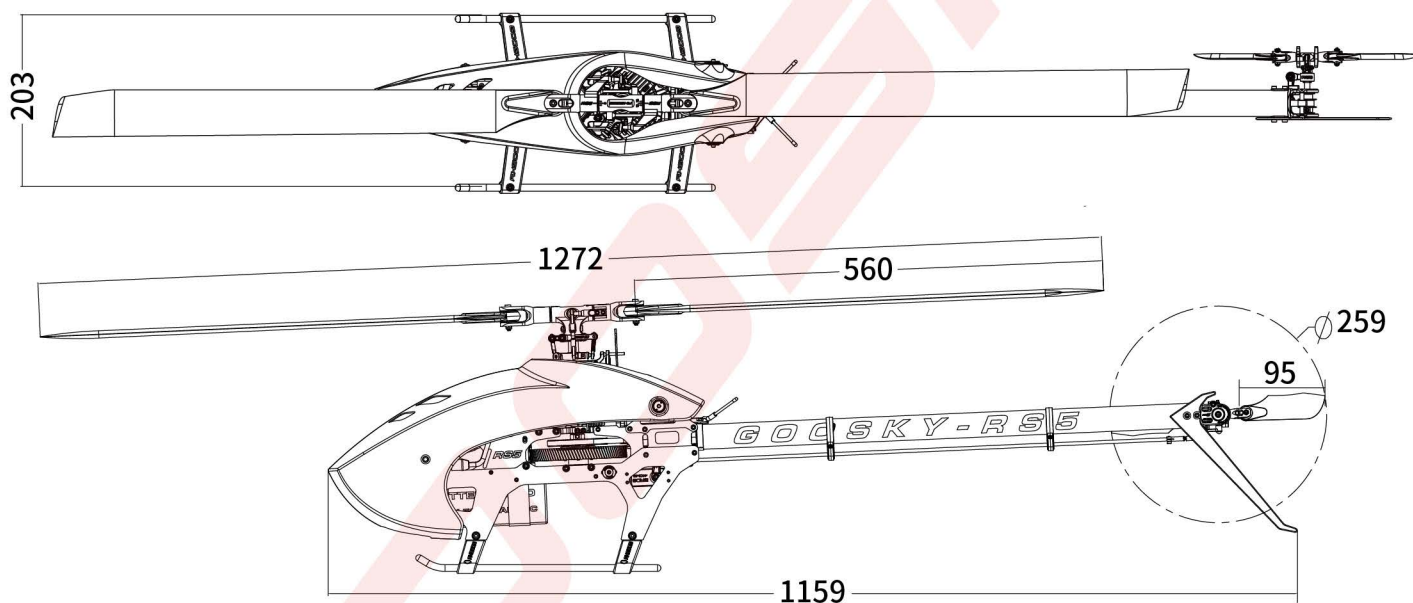
Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors in a climate-controlled room.



		
Knife	Scissors	Diagonal Cutting Pliers
		
Phillips Screw Driver	Hex Driver	Needle Nose Pliers
  	  	
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
		
		CA

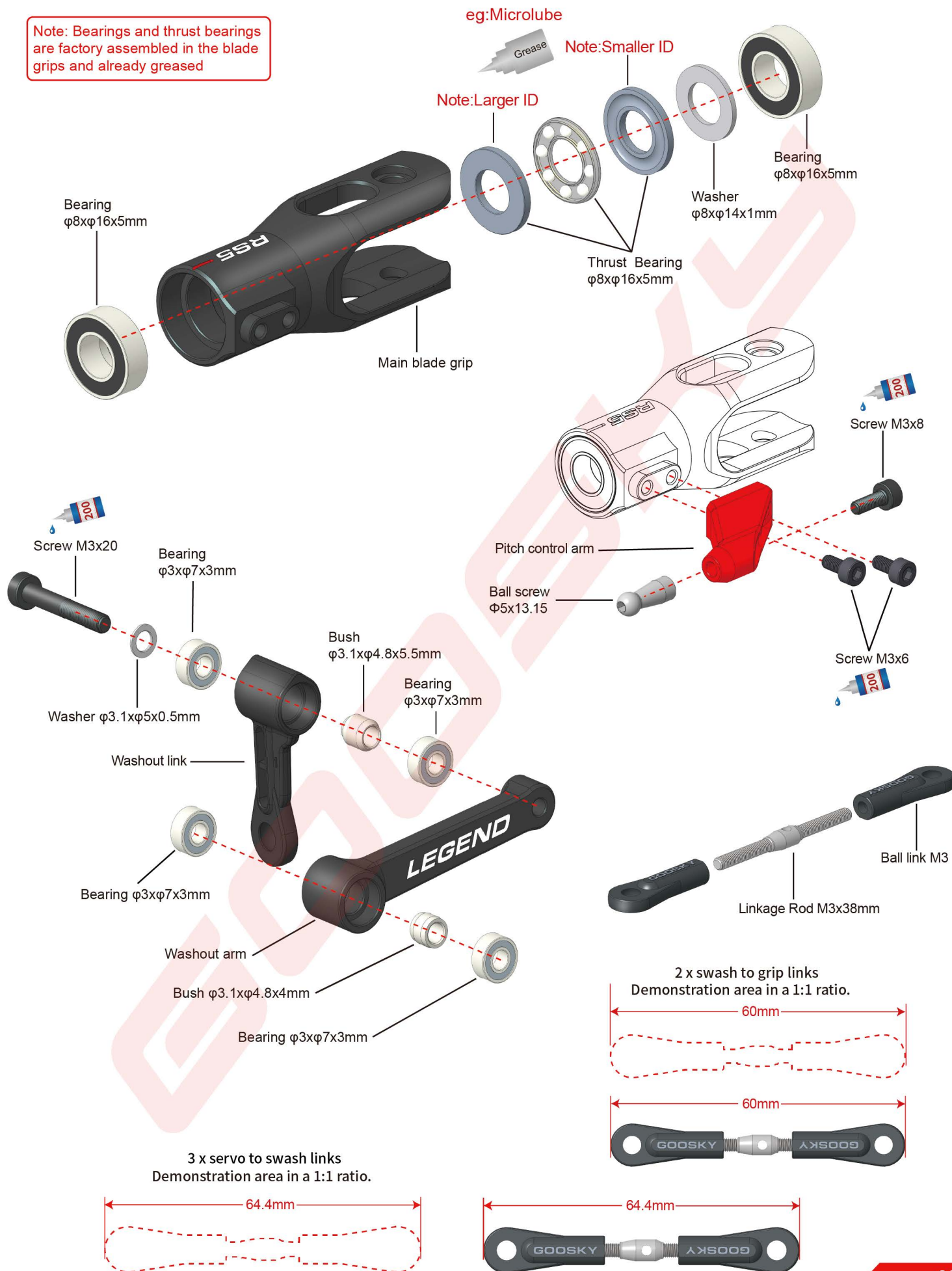
Remark: All the glue, grease are not included in the package.

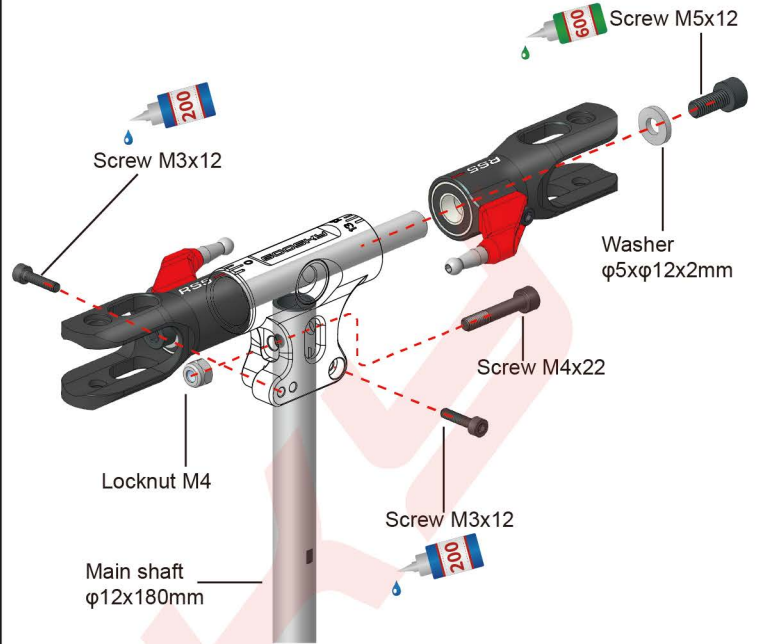
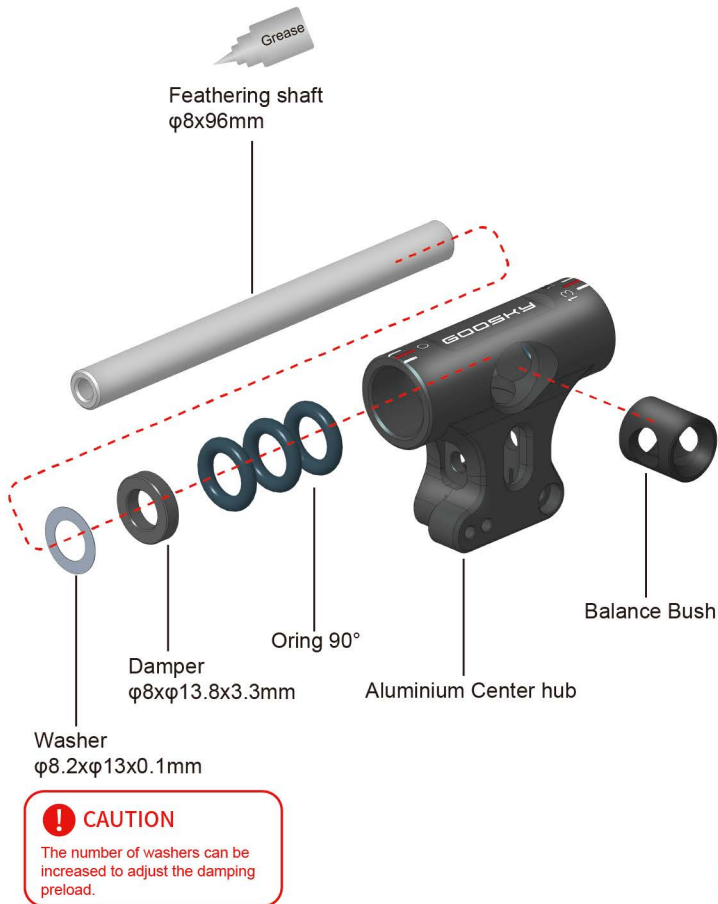
SPECIFICATIONS



Overall Height	320mm
Width	203mm
Main Gear	107T
Front Tail Pulley	75T
AIRFRAME weight (no battery)	approx 2.68kg
Main Shaft Diameter	Φ12mm
Feathering Shaft Diameter	Φ8mm
Tail Spindle Diameter	Φ4mm
One-piece tail shaft Diameter	Φ6mm
Tail Belt Width	6mm
Main Gear Ratio (Main Motor Gear 12T)	8.917
Main Gear Ratio (Main Motor Gear 13T)	8.231
Tail Ratio(Tail Pulley 16T)	4.6875
Tail Rotor Diameter (with the included 95mm tail blades)	Φ259mm
Battery Compartment Size(length*width*height)	245*52*60mm

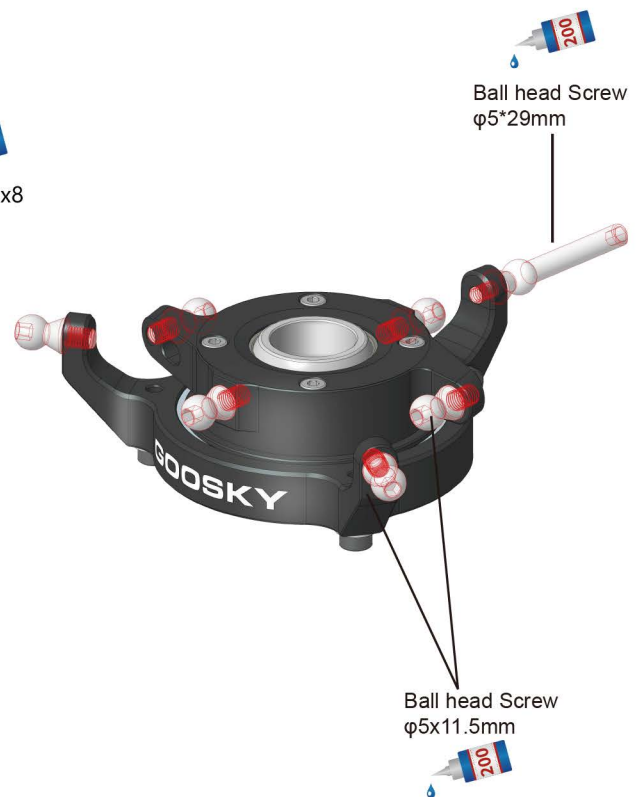
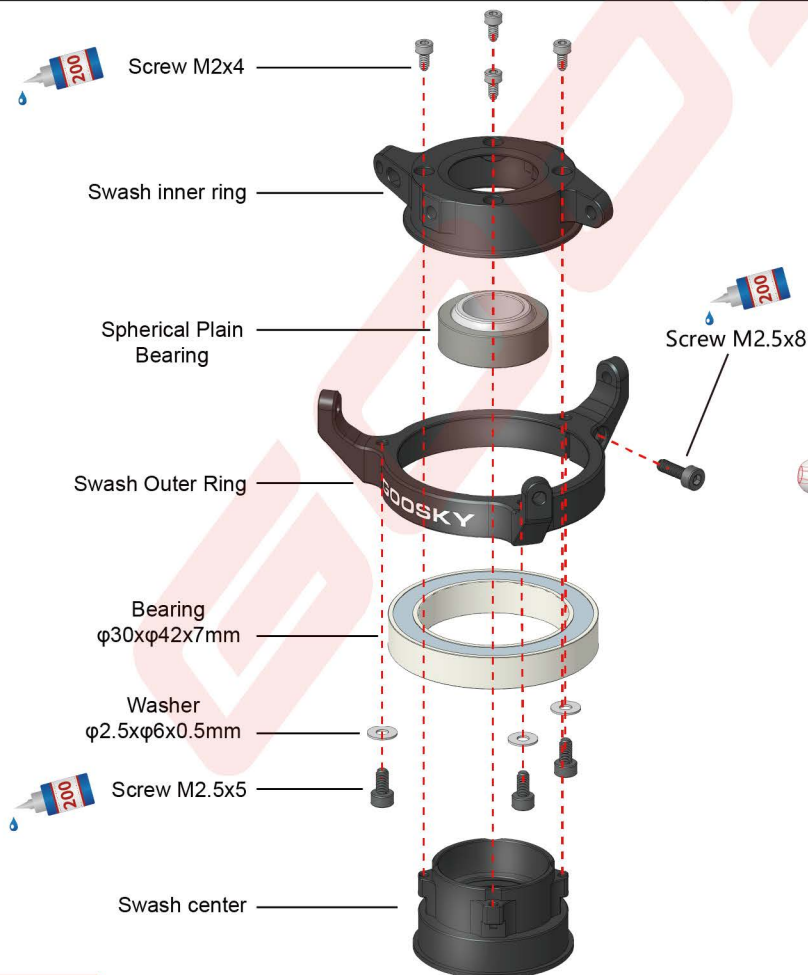
Note: Bearings and thrust bearings are factory assembled in the blade grips and already greased

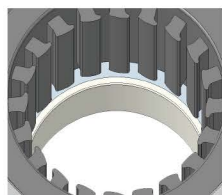
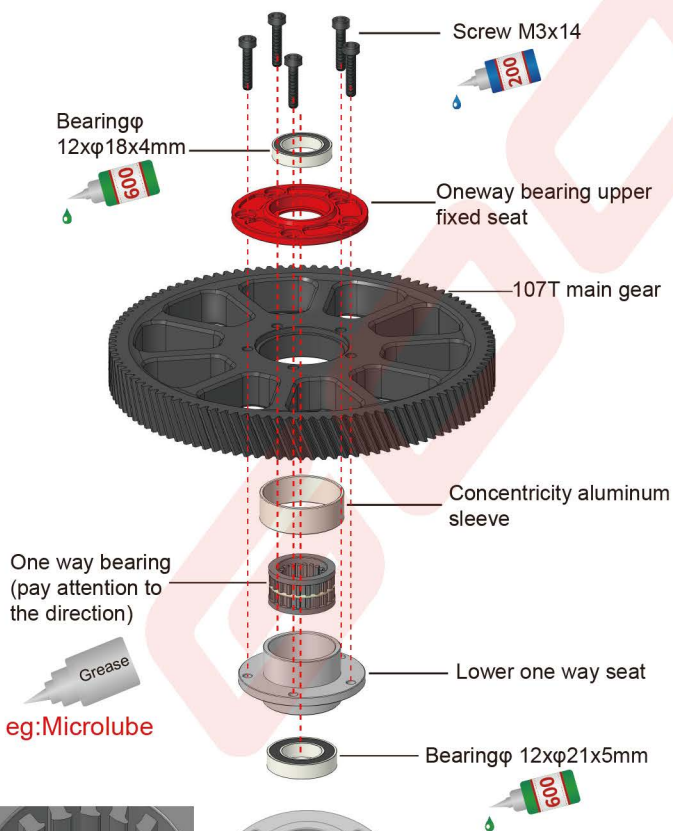
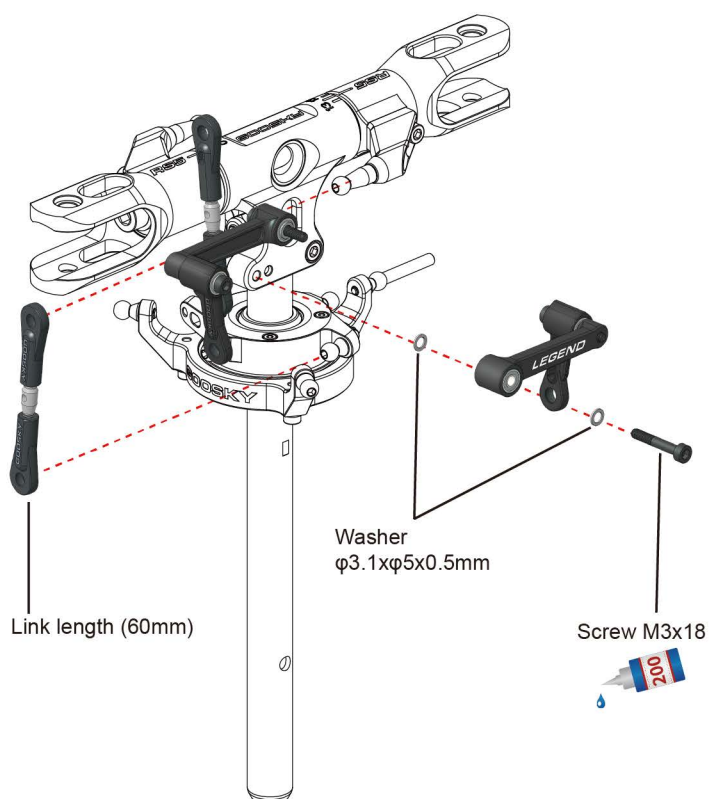




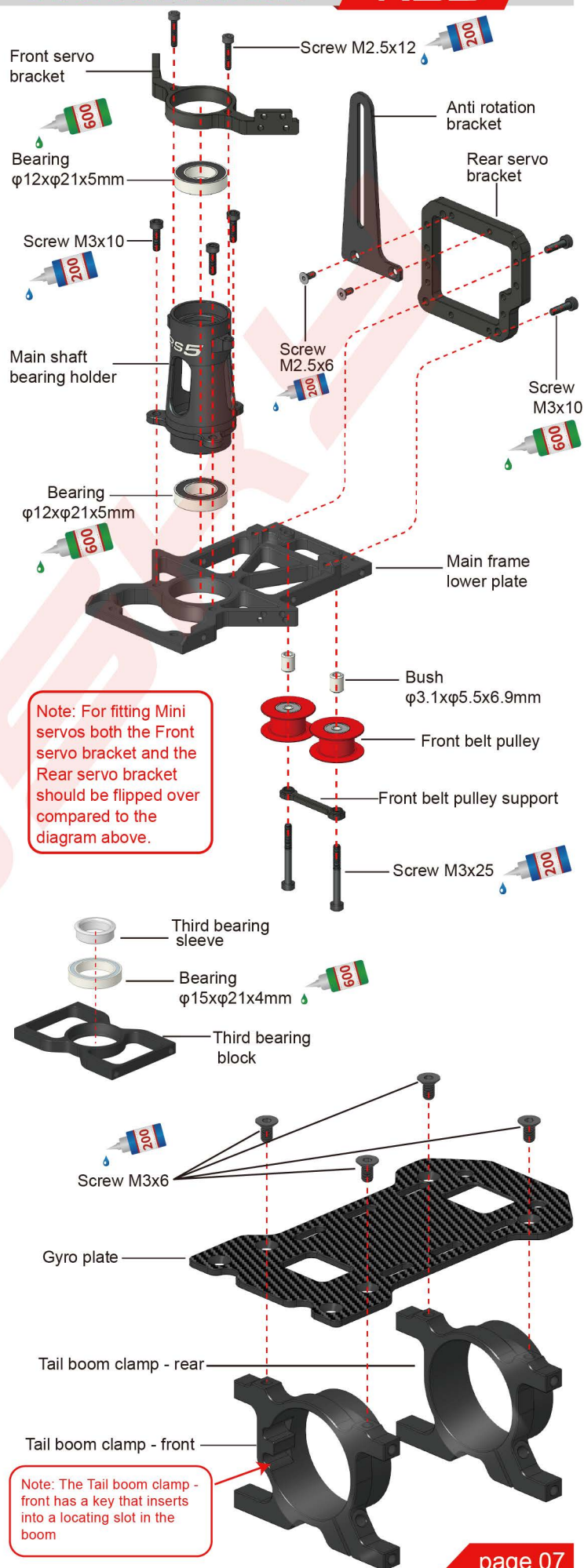
! CAUTION

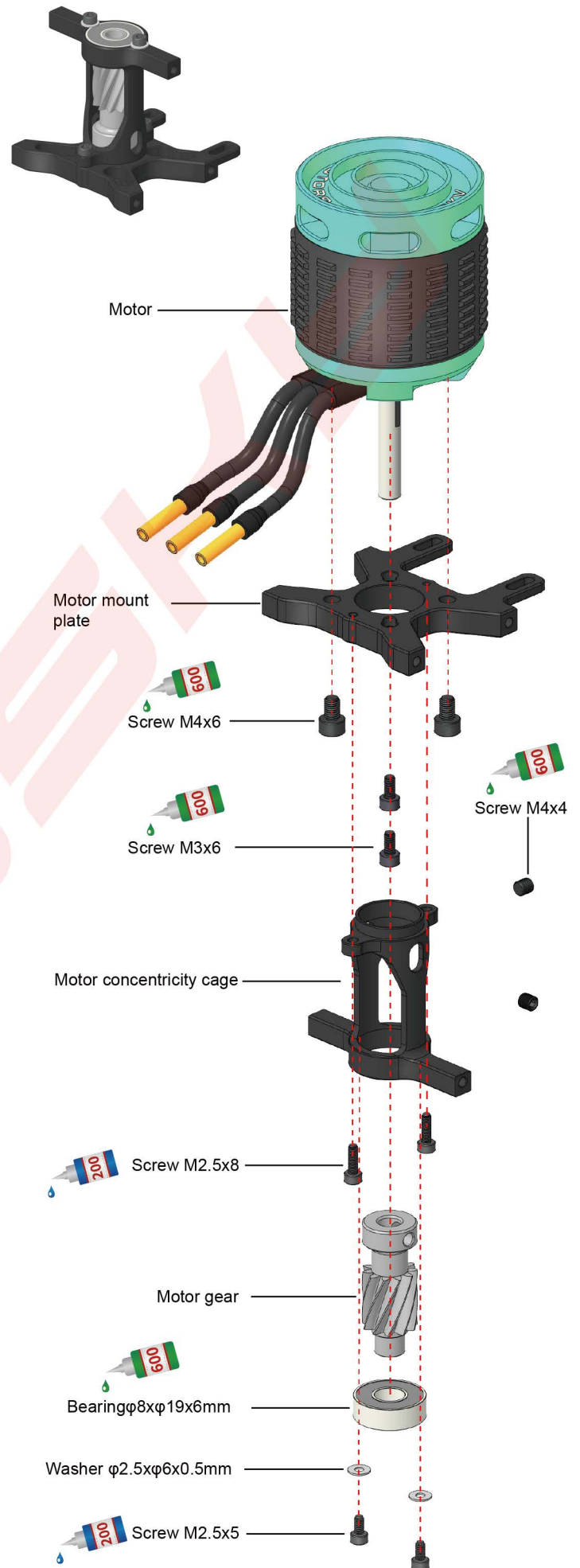
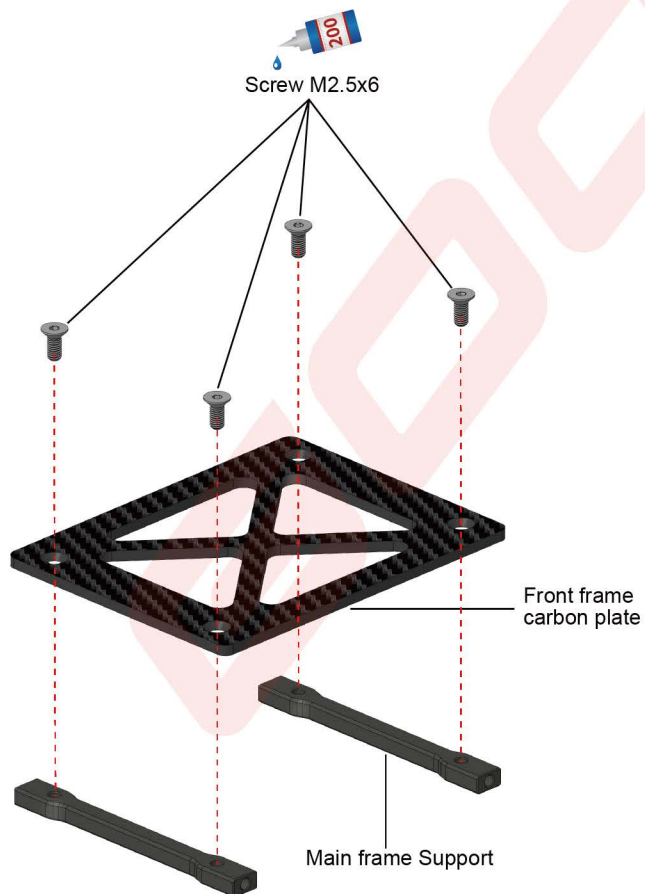
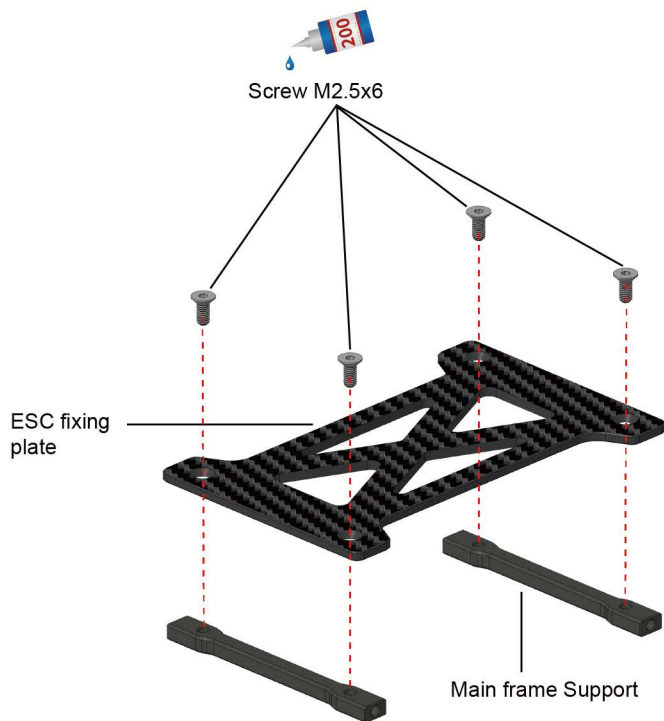
The M4x22 screw is inserted into the Center hub from the side with the round cutout.

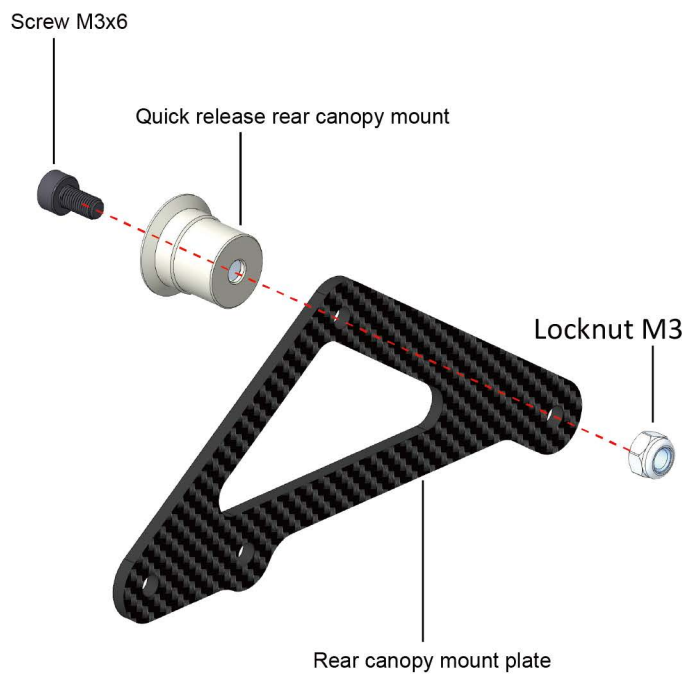




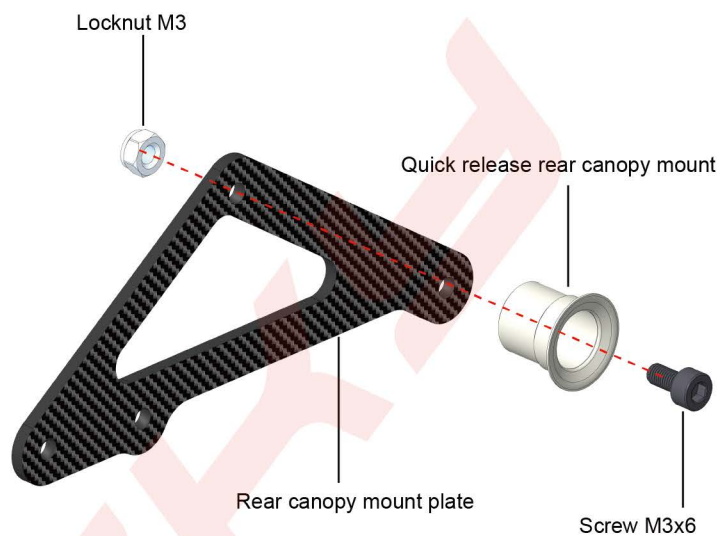
One way bearing direction
(Looking from the top)



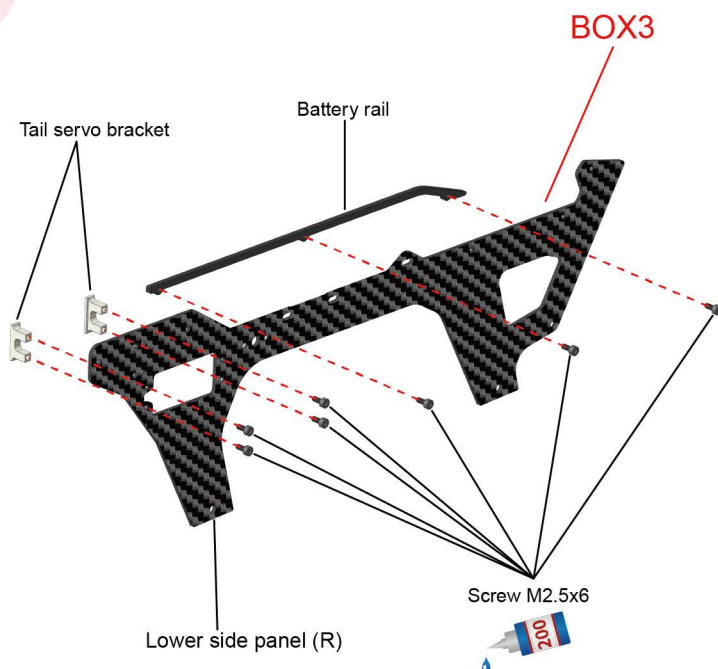
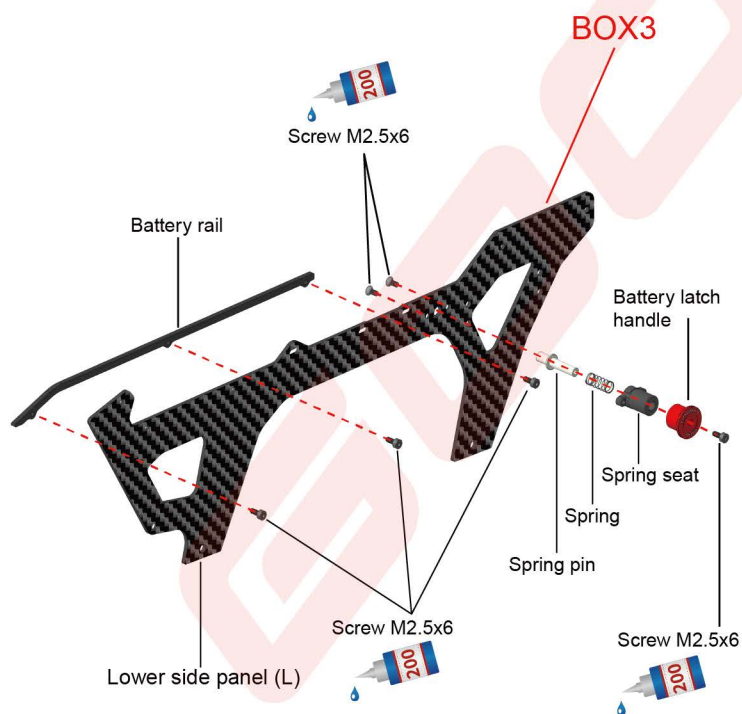




Right module



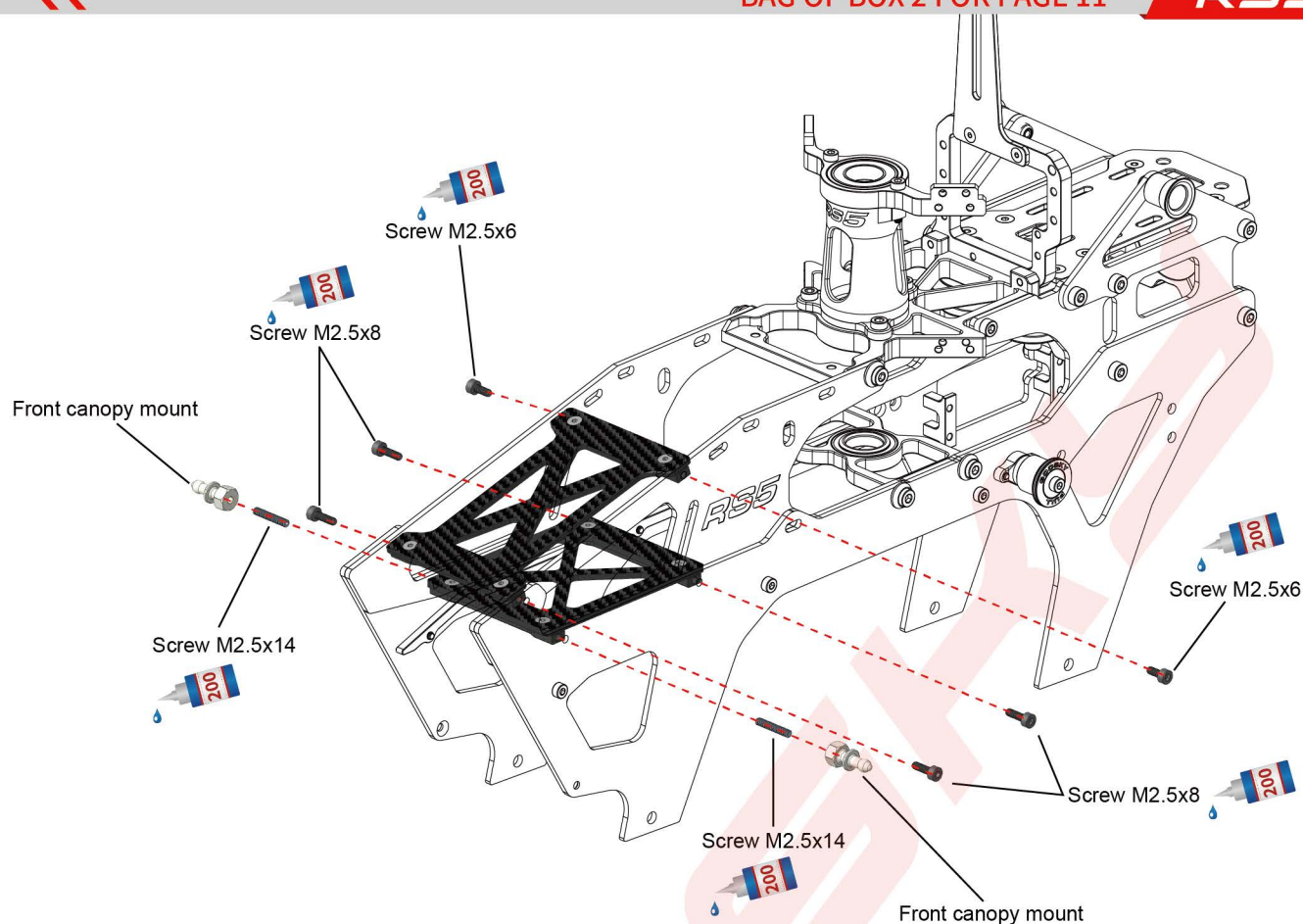
Left module



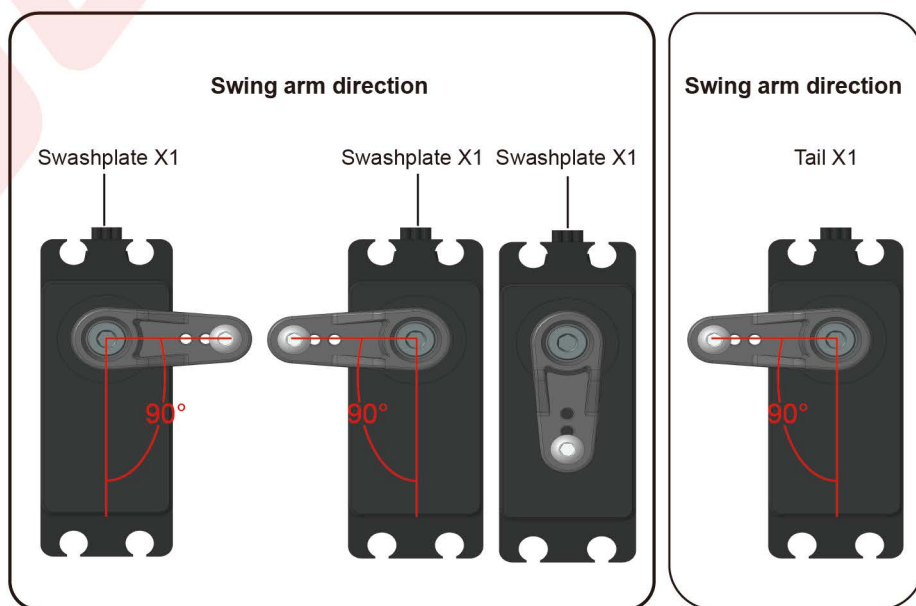
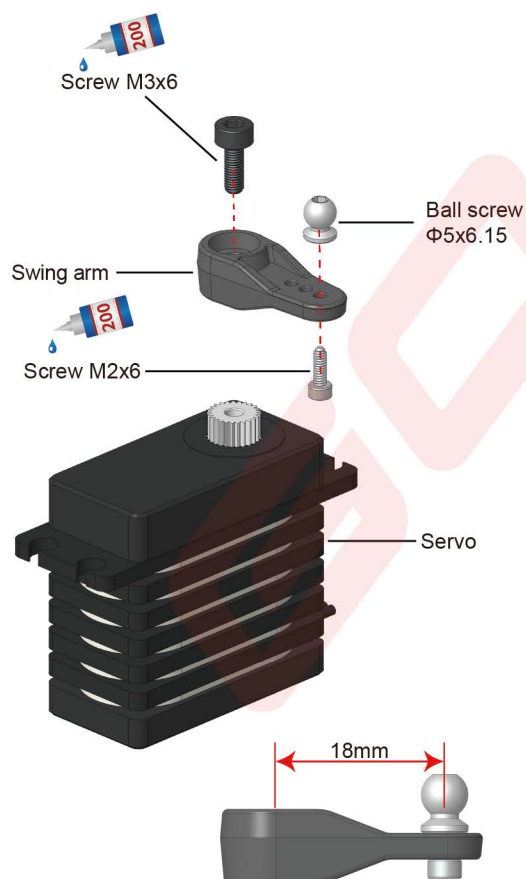


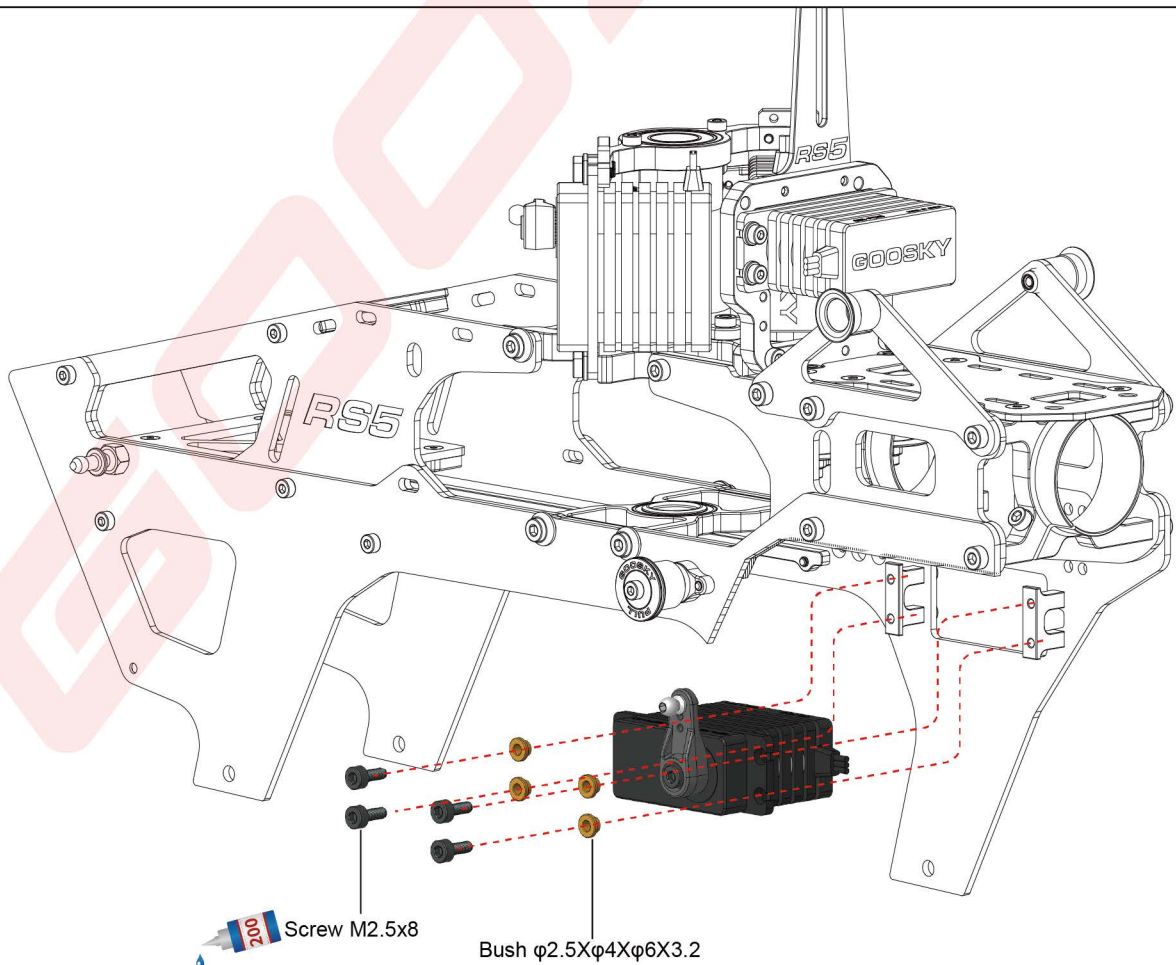
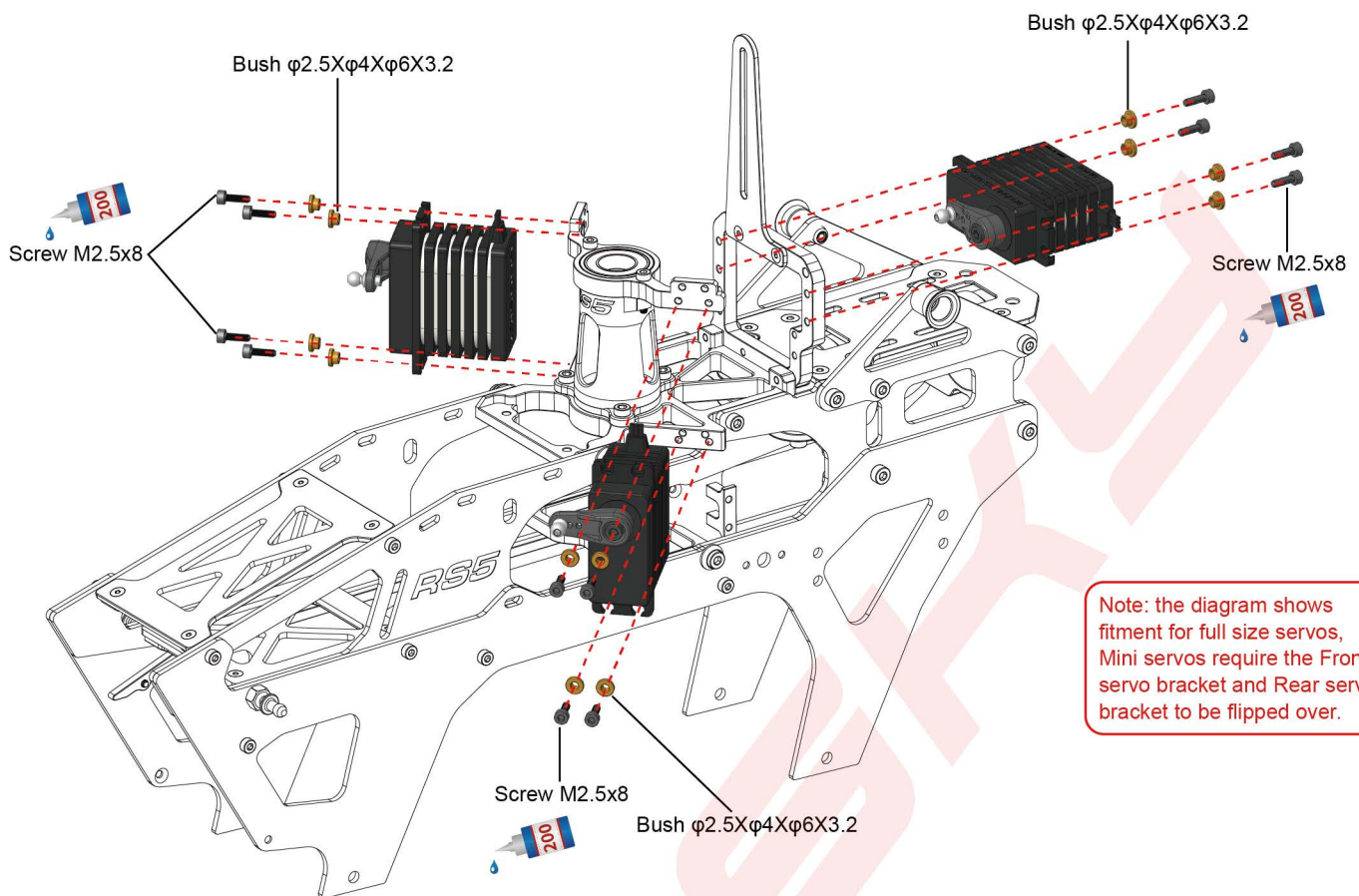
Attention: pass the main shaft through the third bearing to ensure alignment and smooth rotation before tightening the six marked screws, on both sides of the frame."





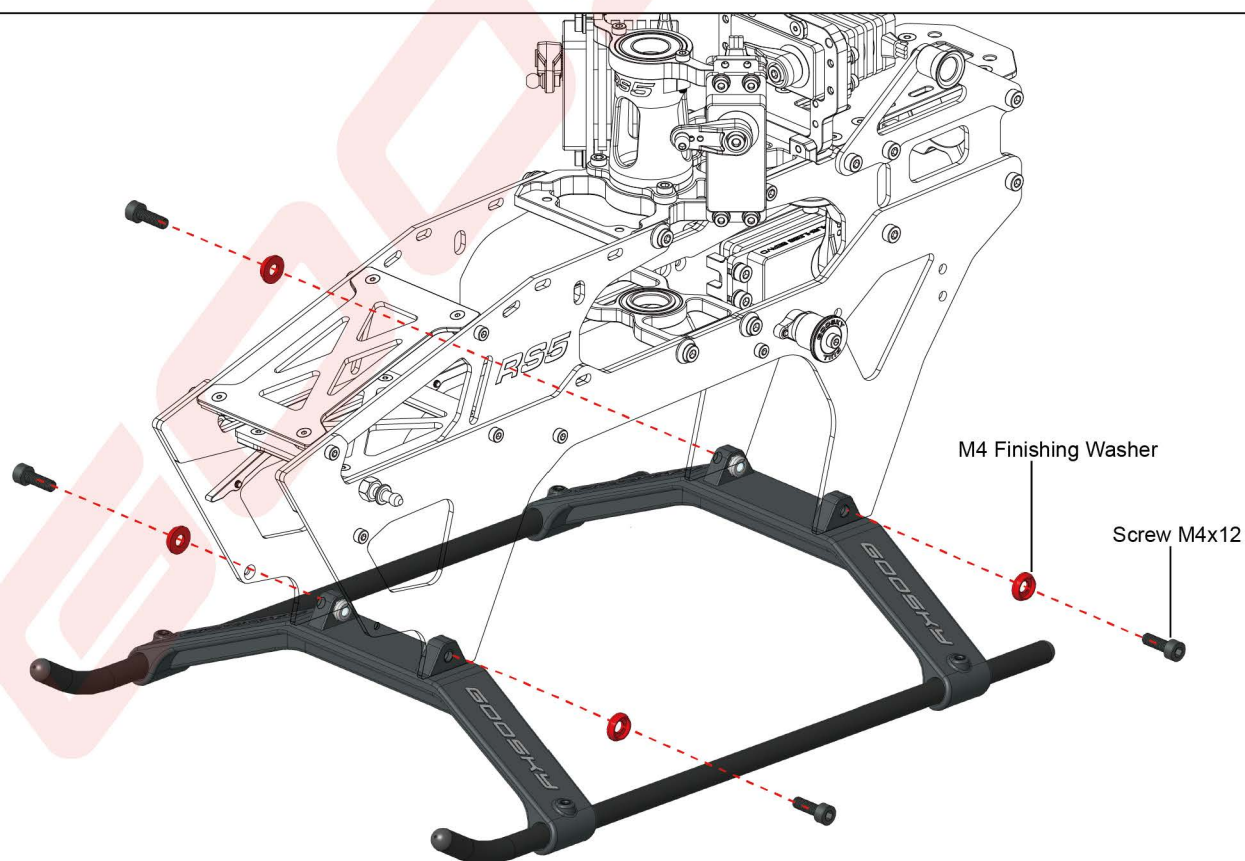
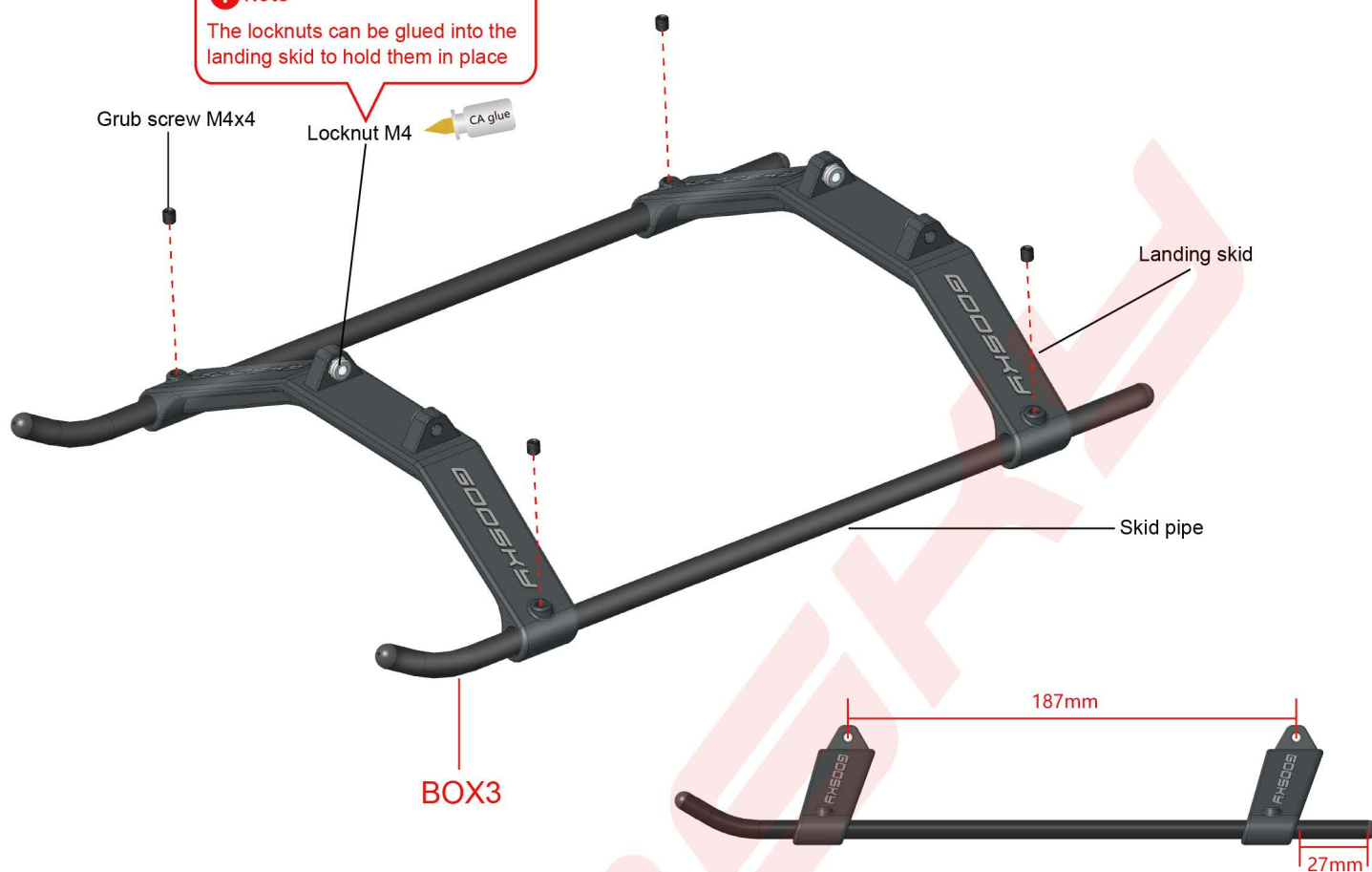
Note: The parameters of the three Swashplate servos should be identical, while the tail servo has different parameters.

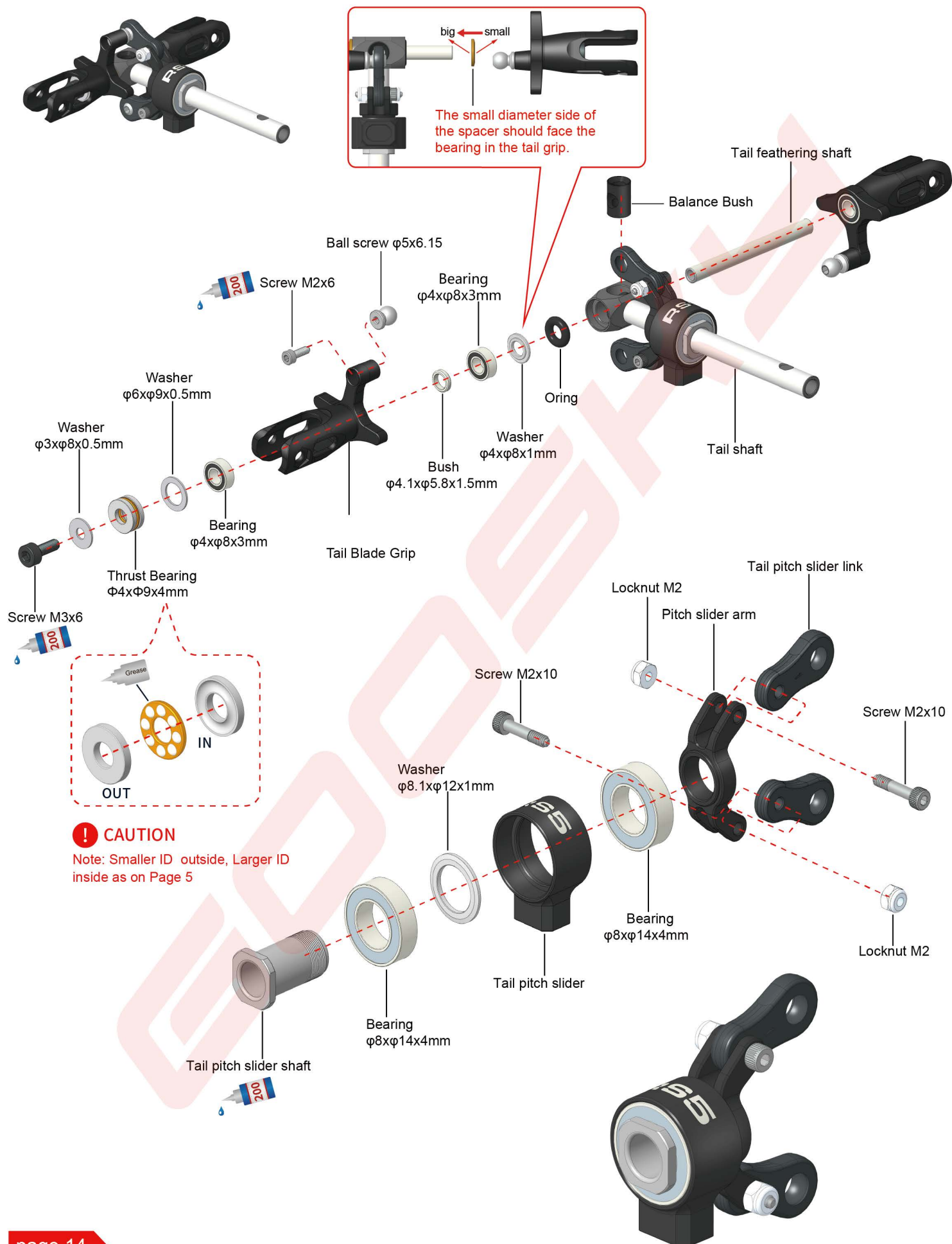


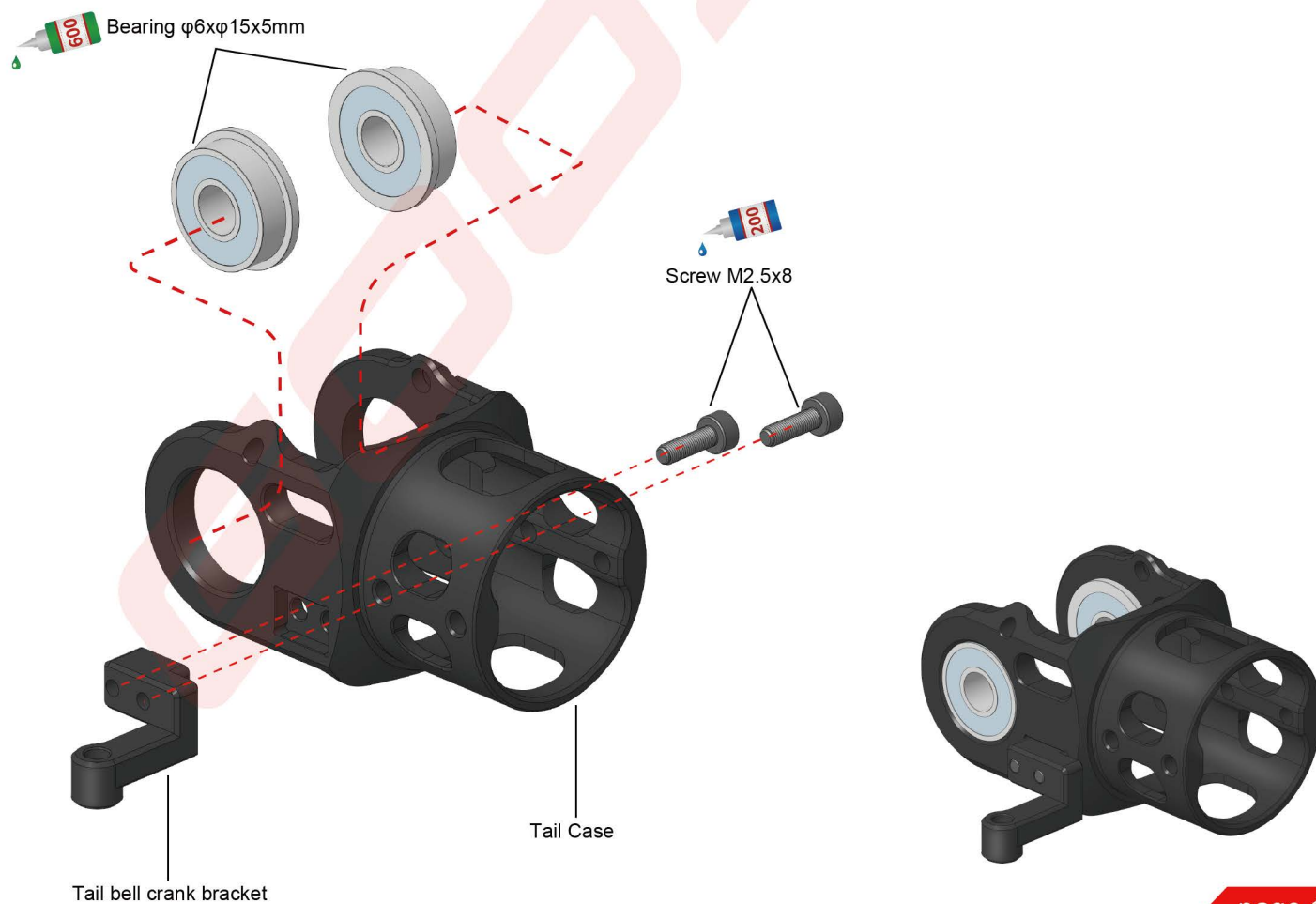
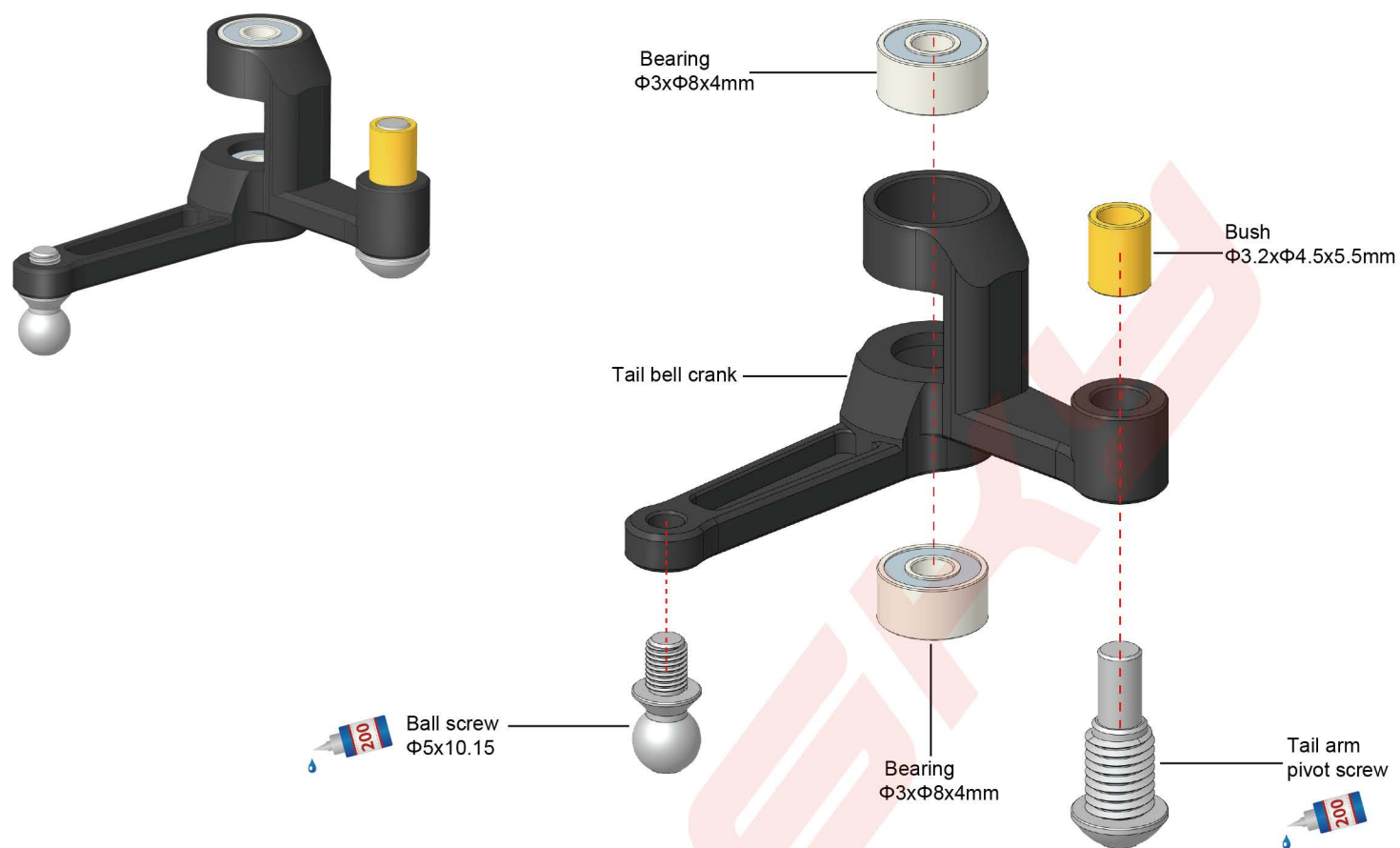


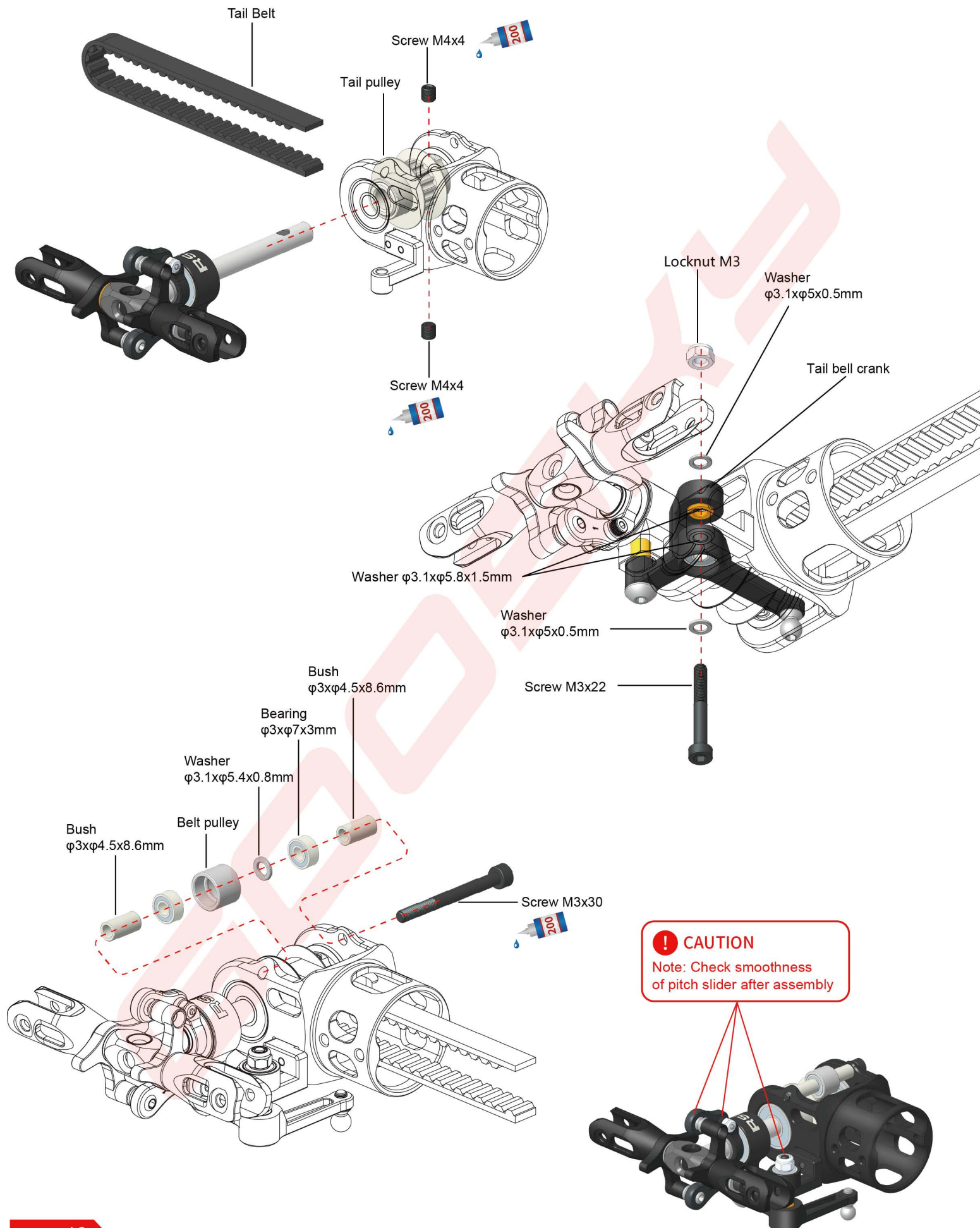
Note

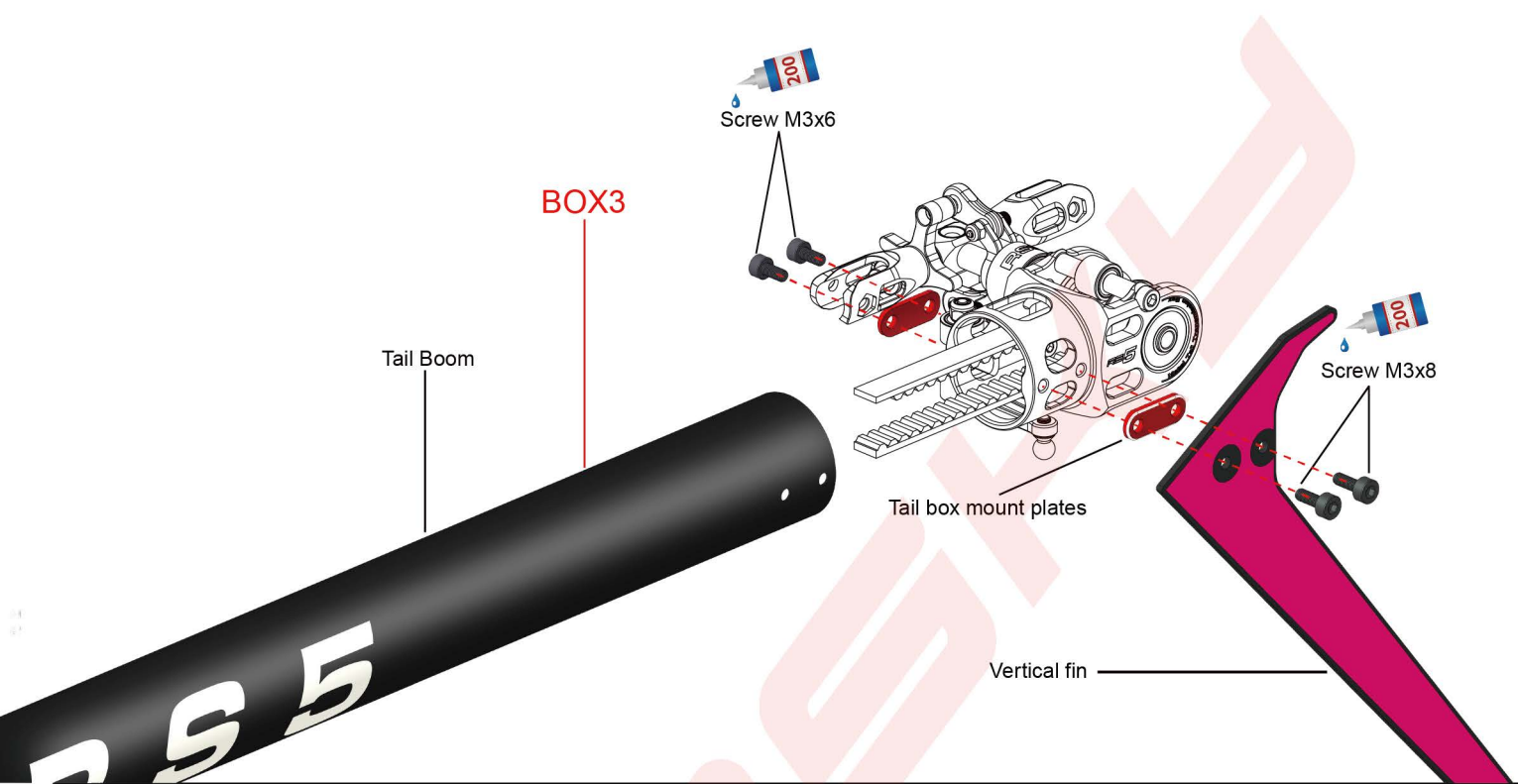
The locknuts can be glued into the landing skid to hold them in place



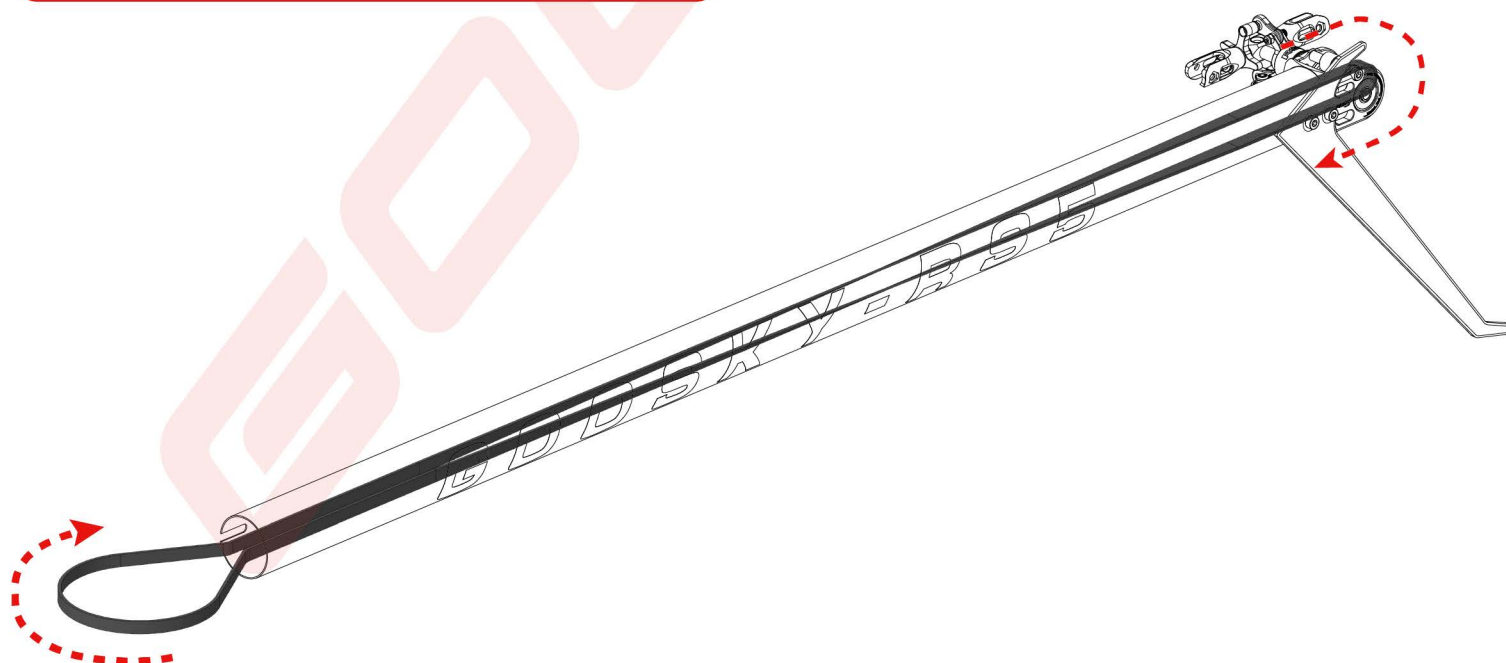


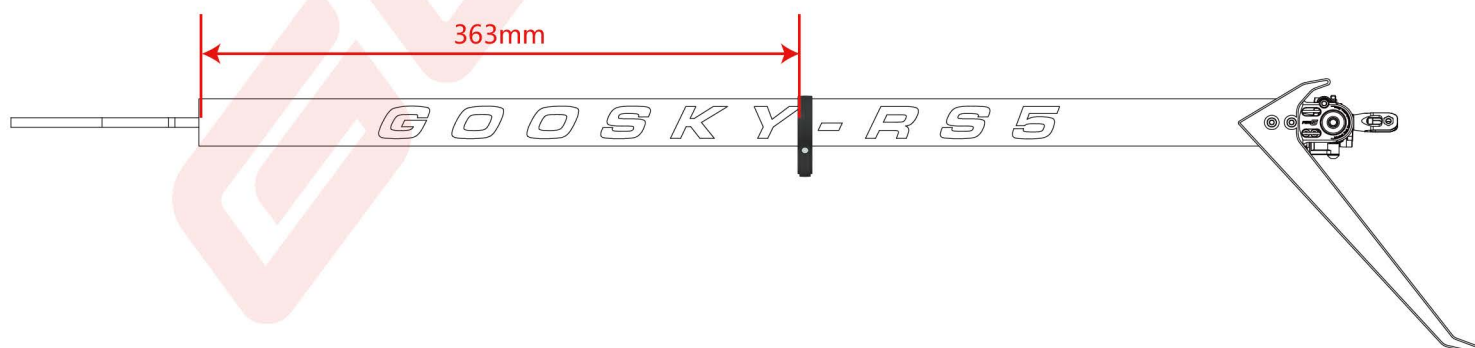
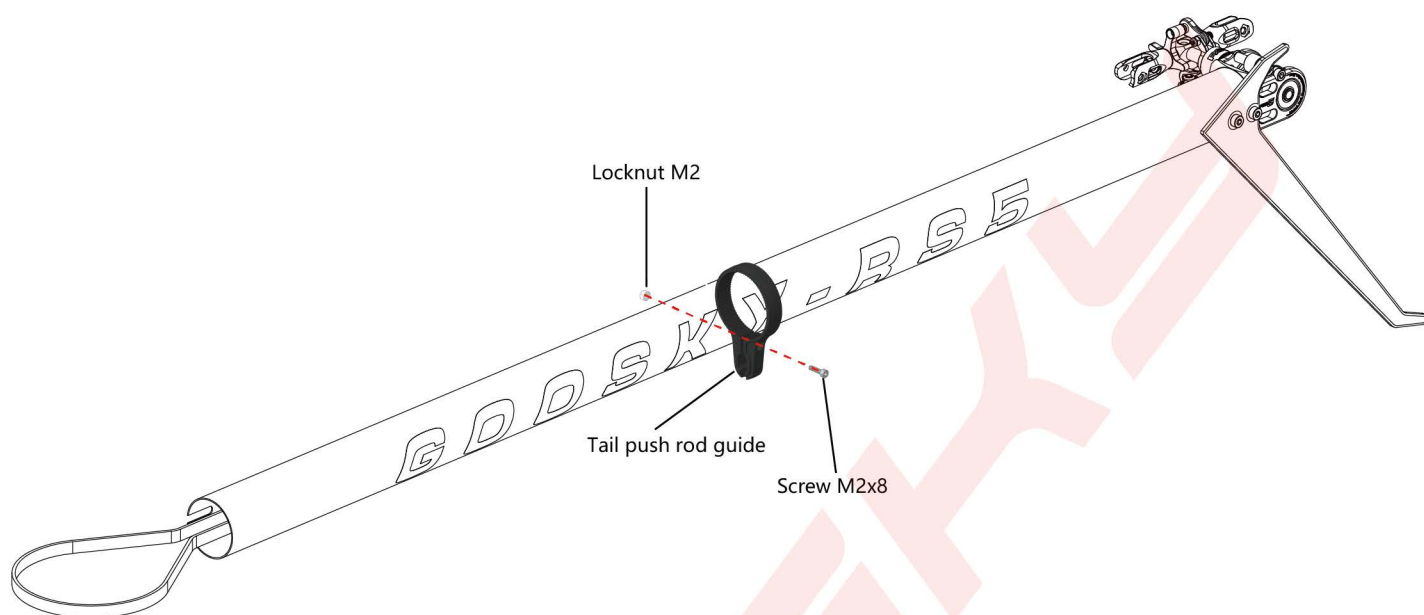


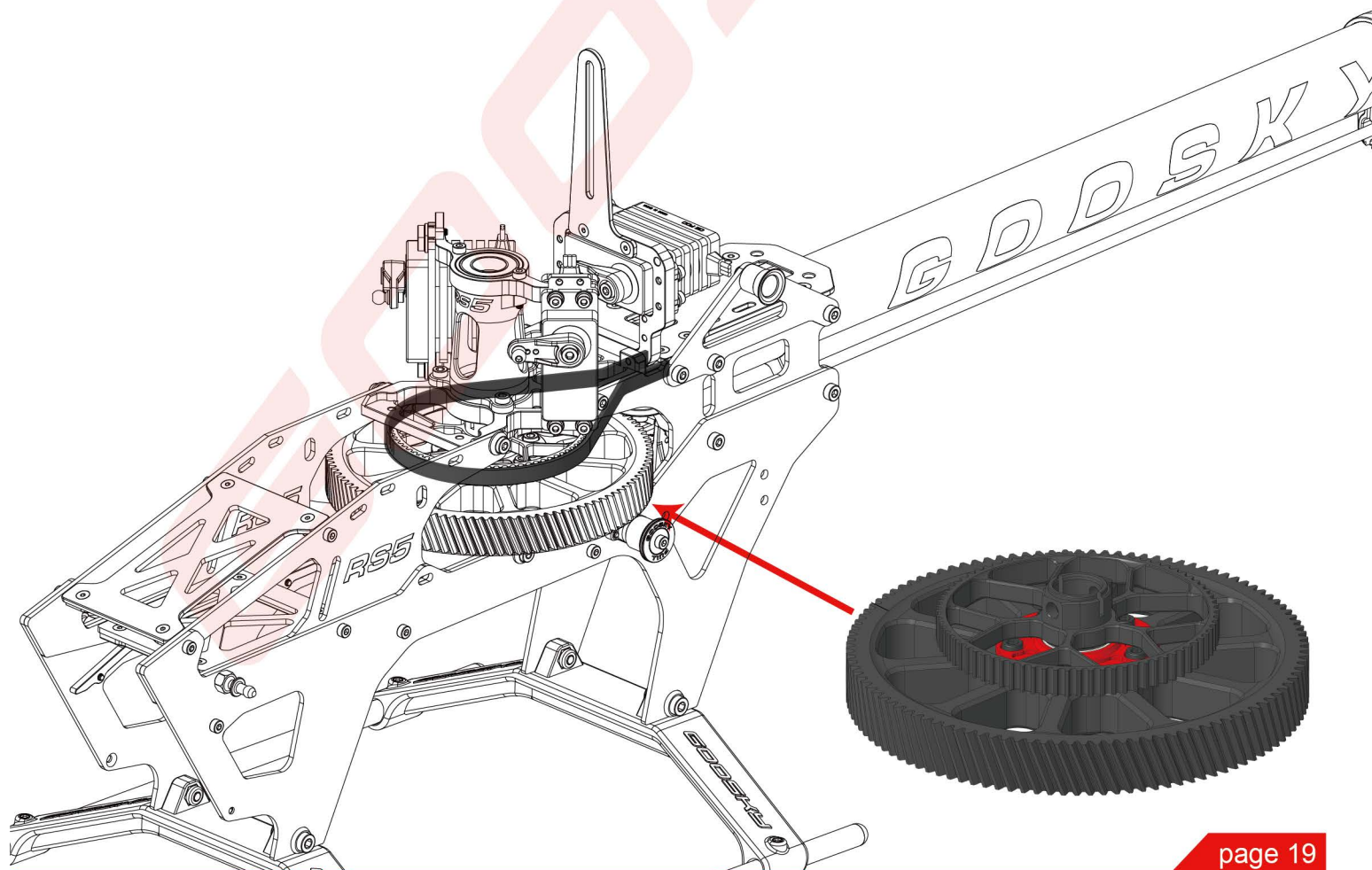
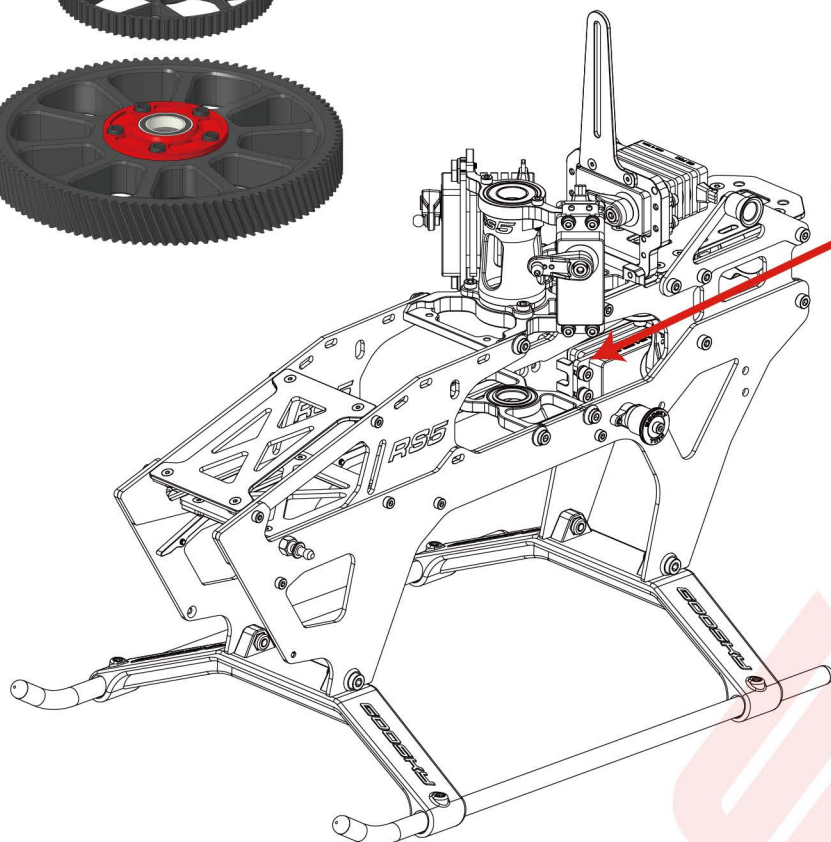


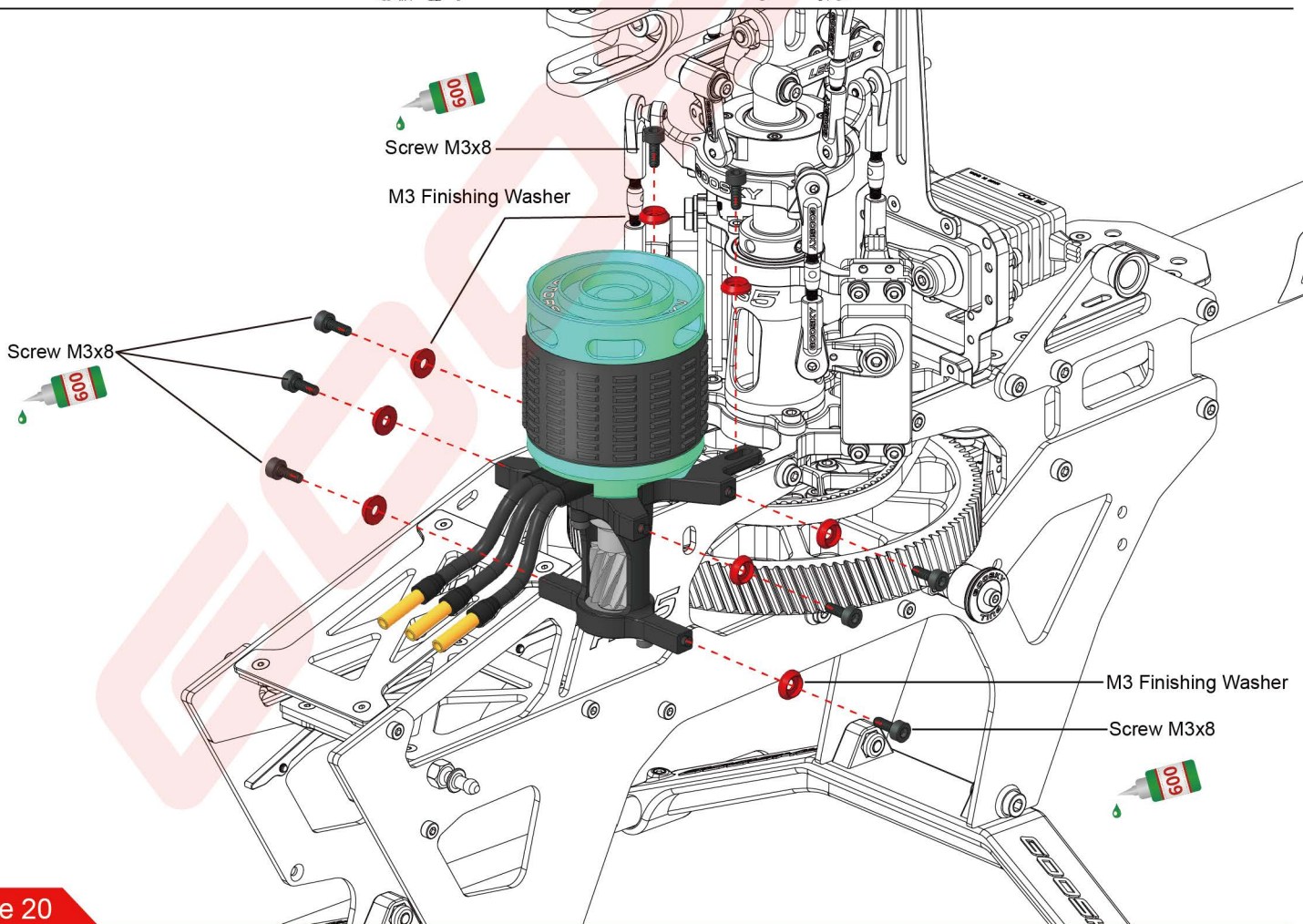
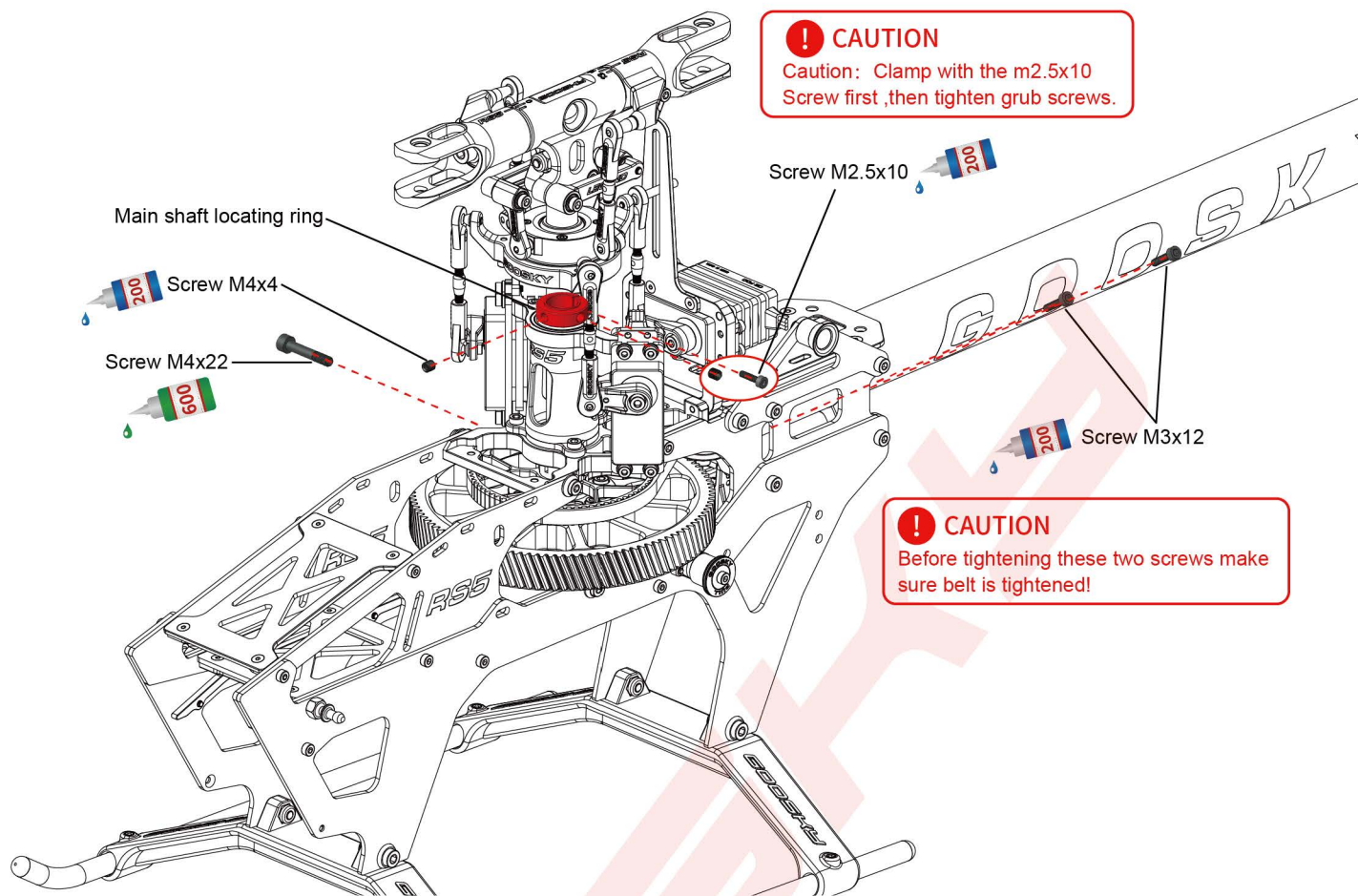
**! CAUTION**

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





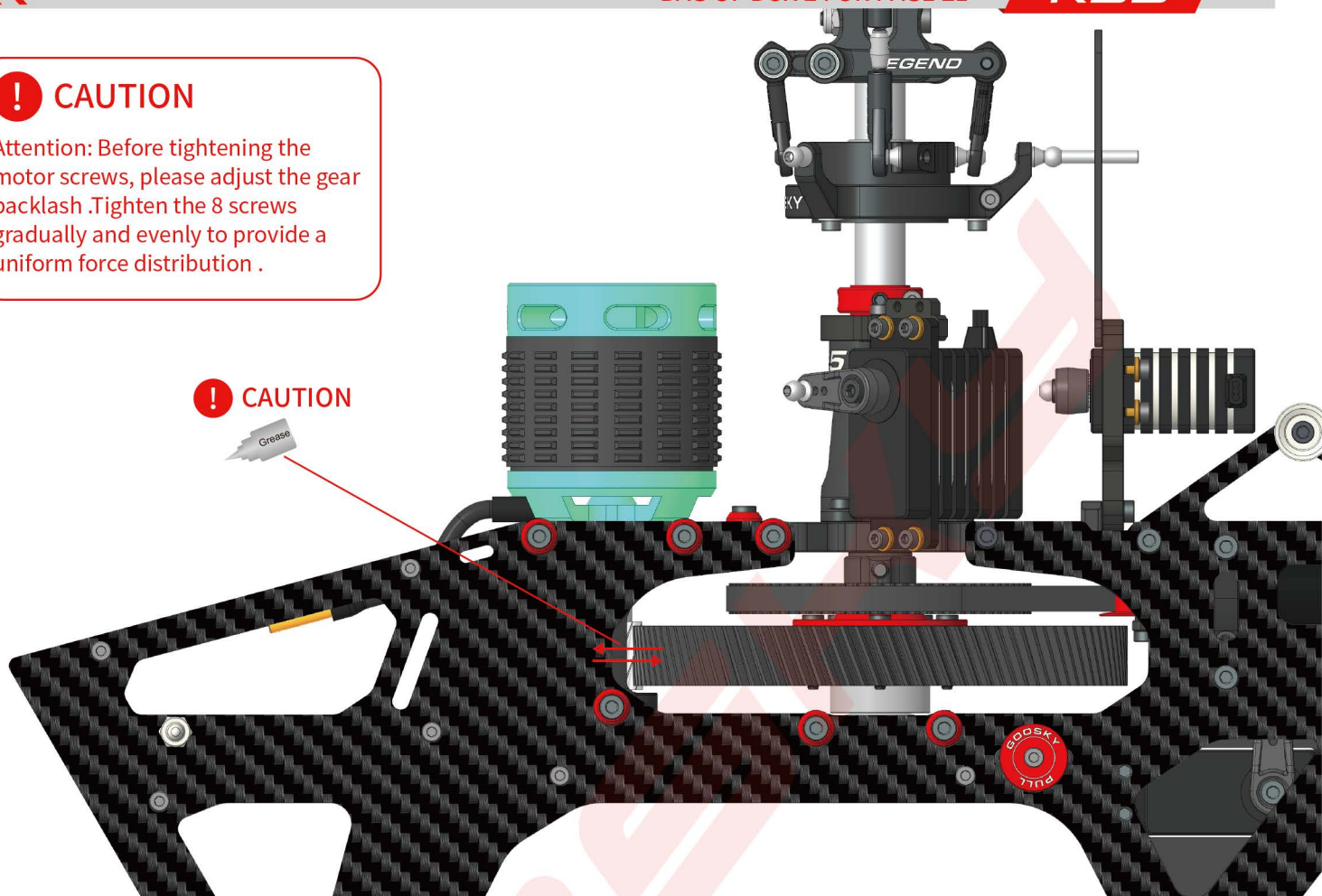




! CAUTION

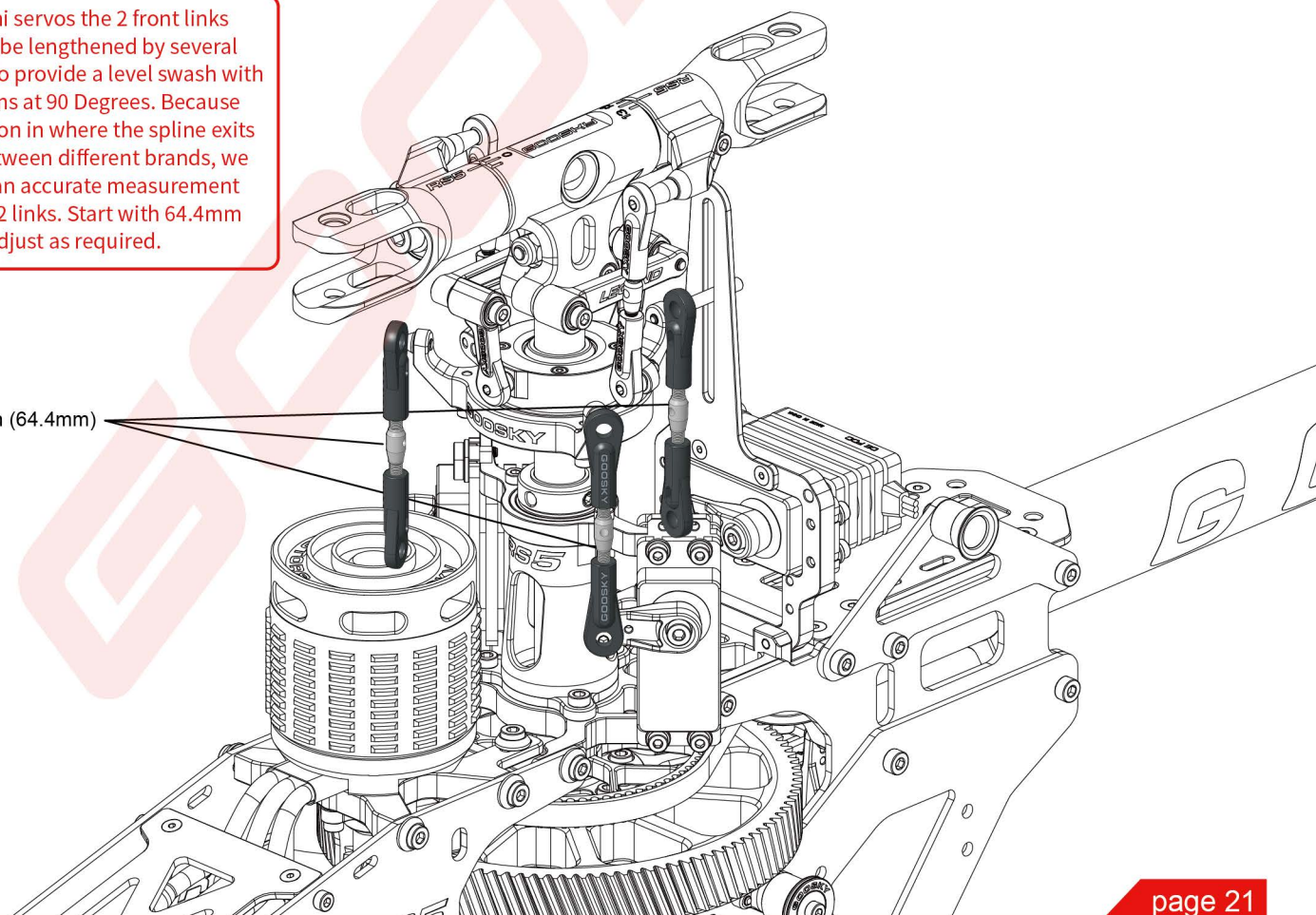
Attention: Before tightening the motor screws, please adjust the gear backlash. Tighten the 8 screws gradually and evenly to provide a uniform force distribution.

! CAUTION



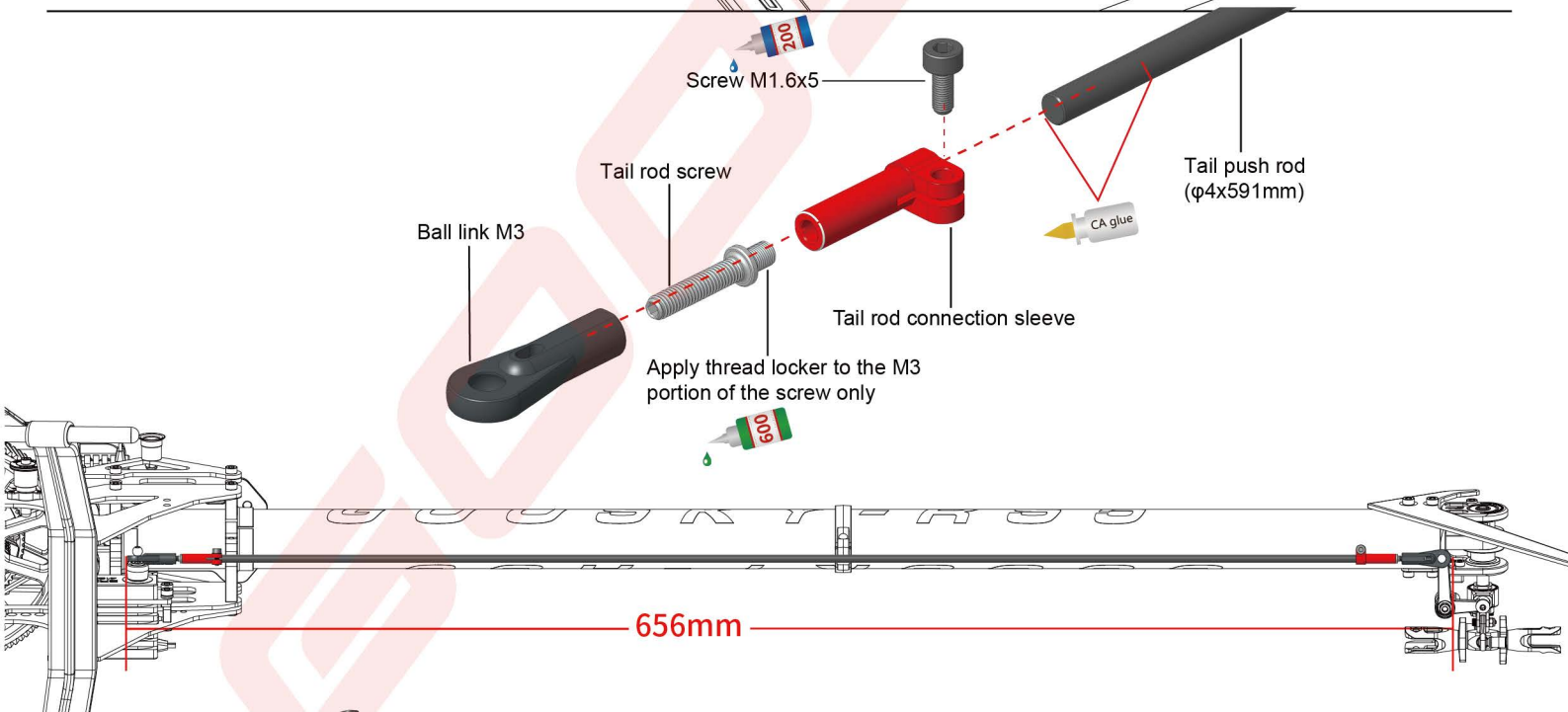
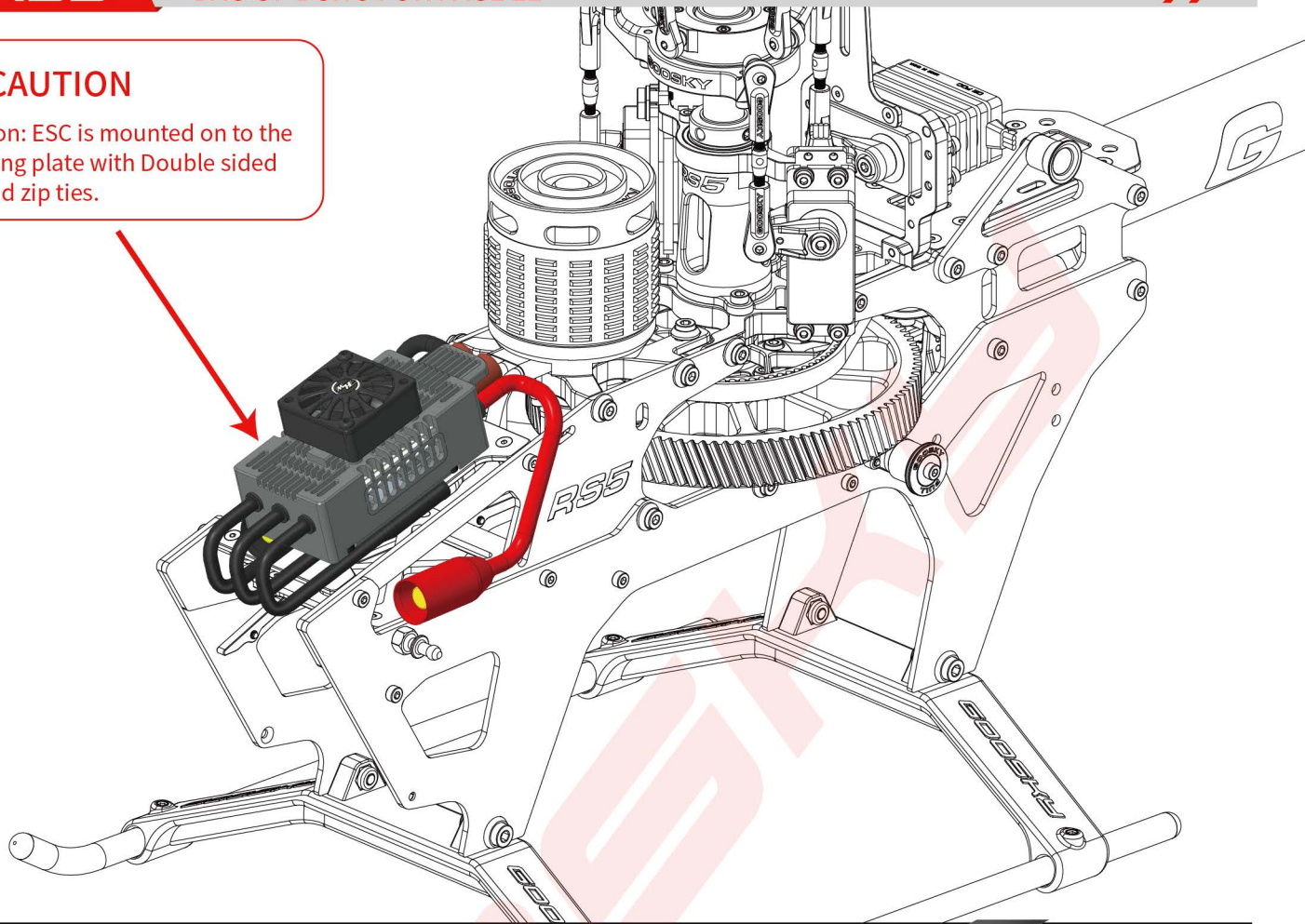
Note: For Mini servos the 2 front links may need to be lengthened by several millimeters to provide a level swash with the servo arms at 90 Degrees. Because of the variation in where the spline exits the servo between different brands, we cannot give an accurate measurement for the front 2 links. Start with 64.4mm and please adjust as required.

link length (64.4mm)



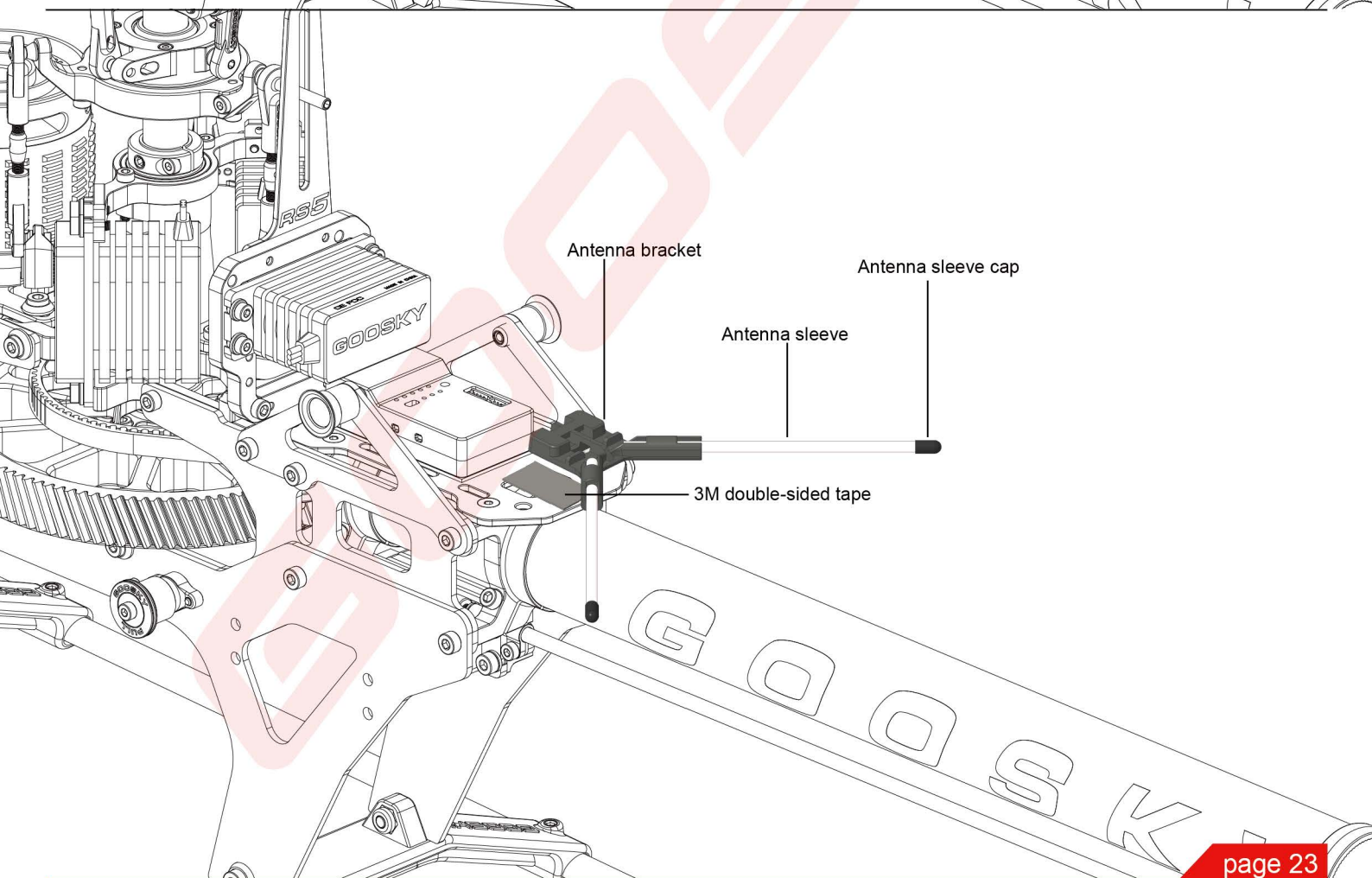
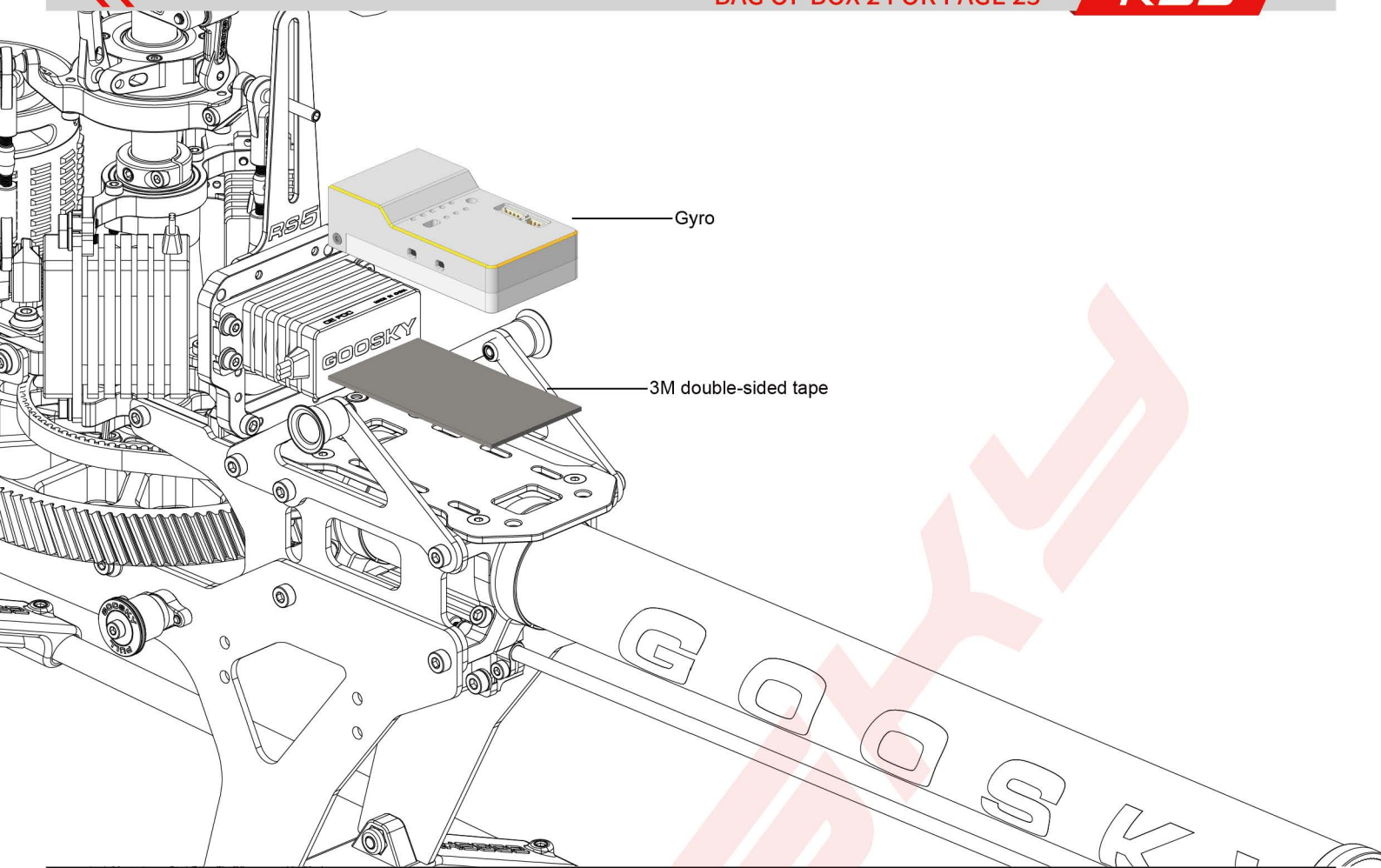
! CAUTION

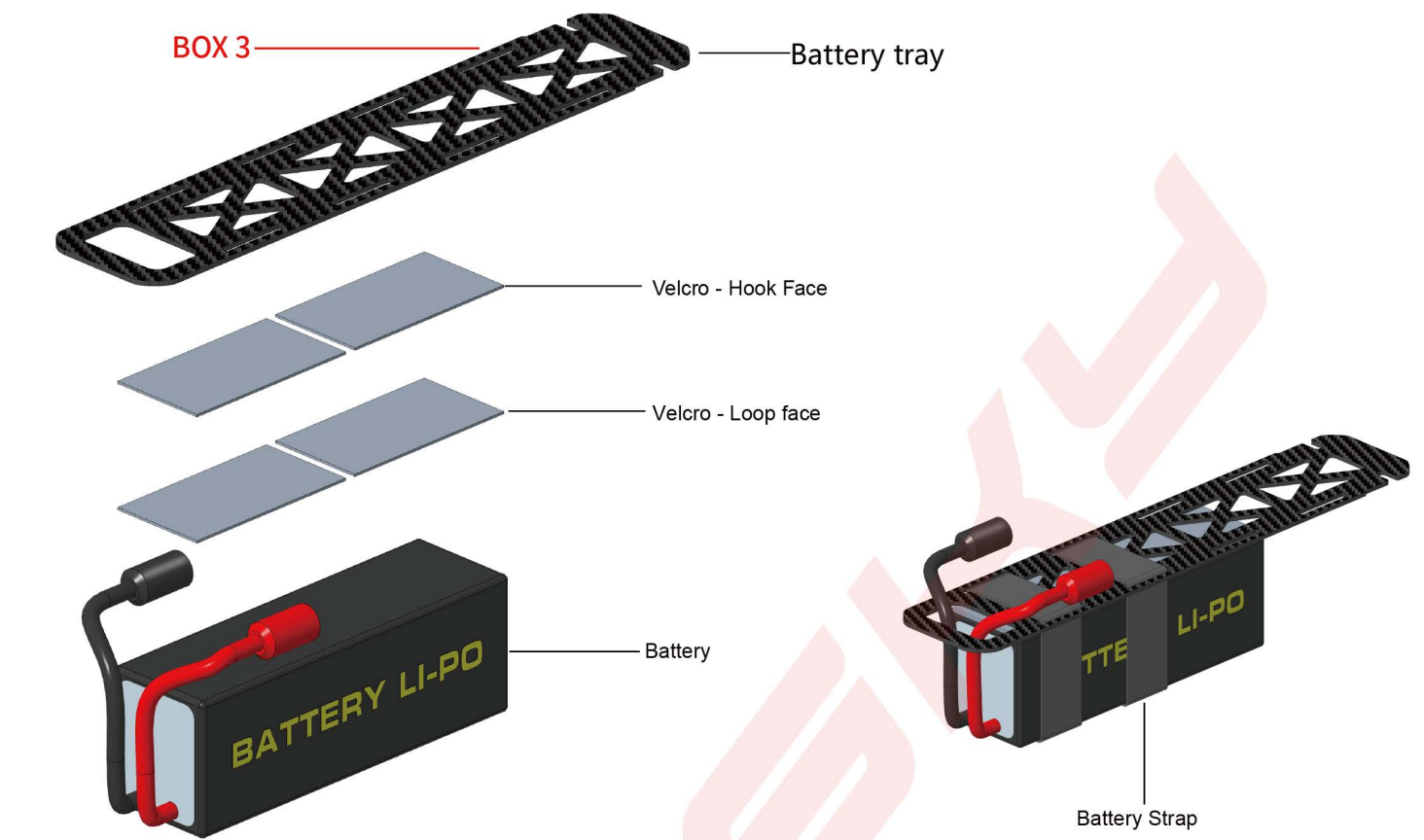
Attention: ESC is mounted on to the ESC fixing plate with Double sided tape and zip ties.



! CAUTION

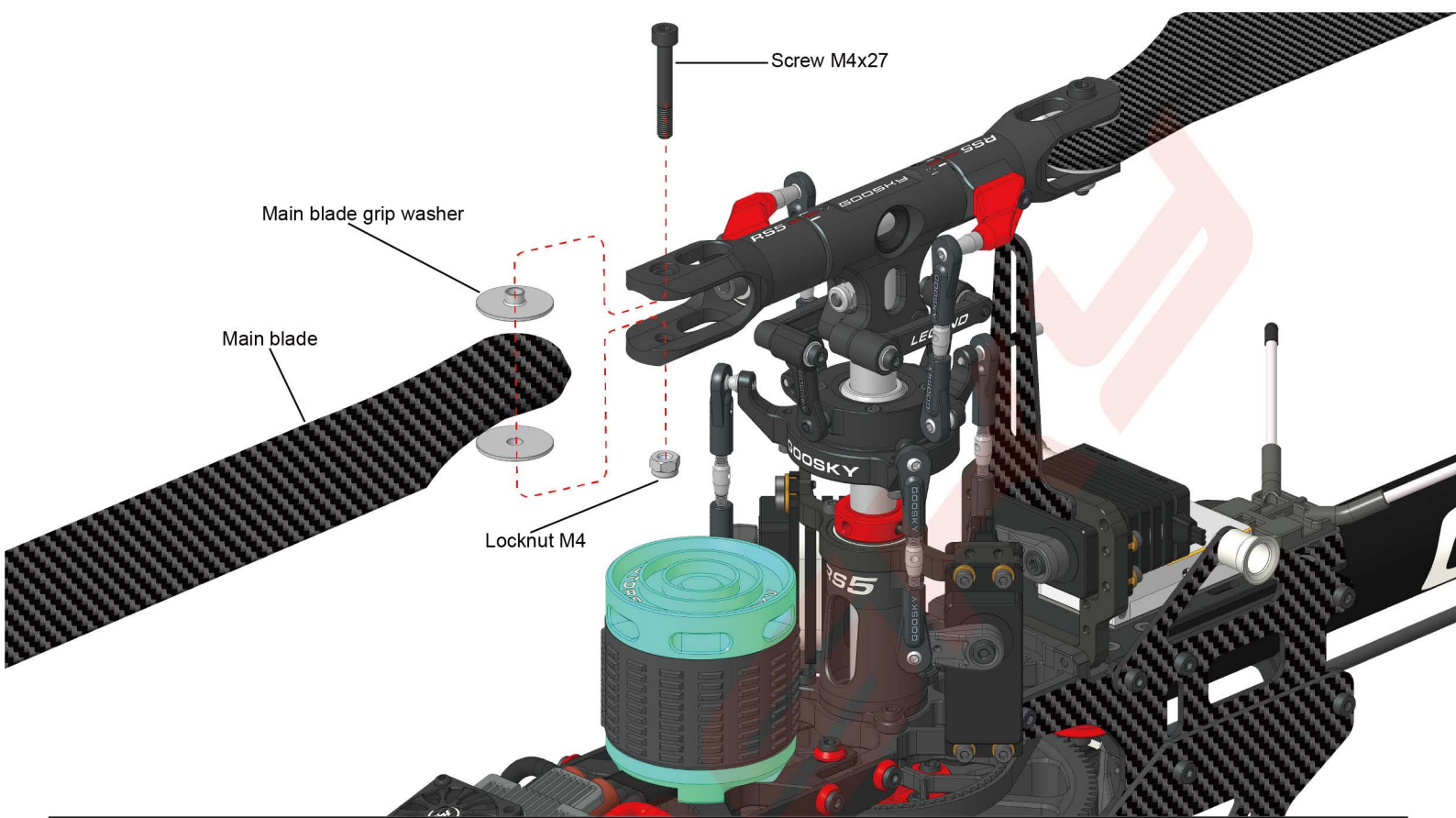
Attention: Fasten the tail push rod assembly to the tail servo ball head, then clip it into the tail push rod guide and fasten the other end to the tail control arm ball head.

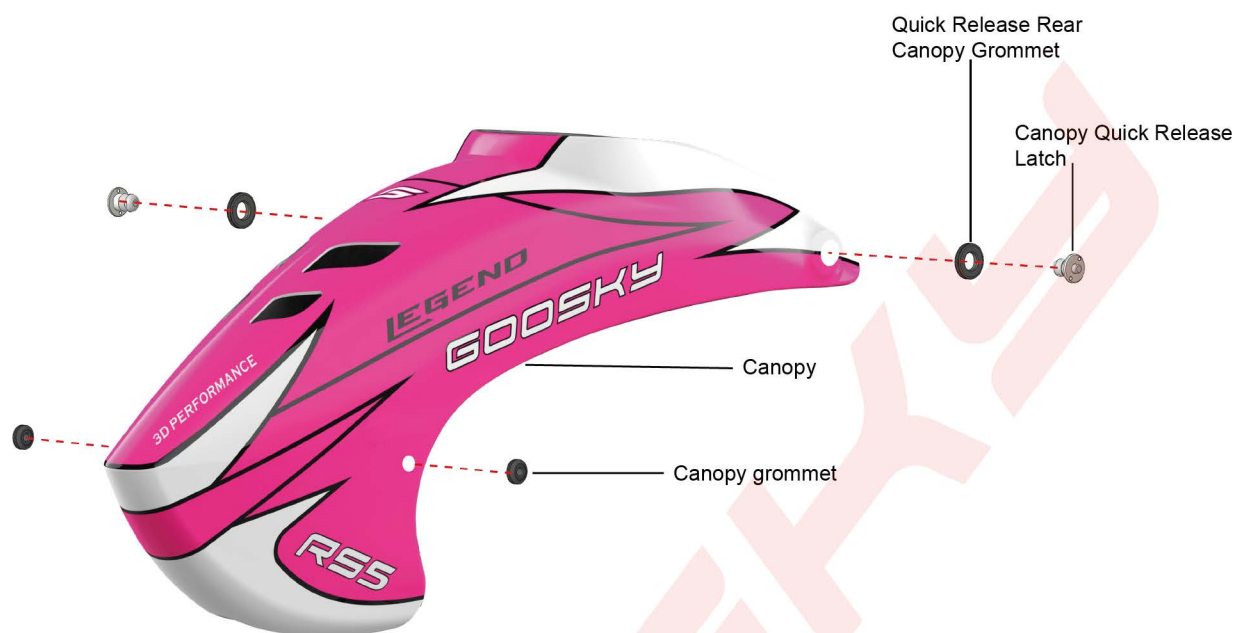






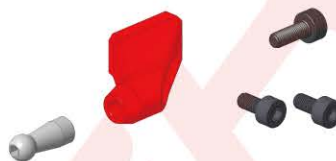
Note: the red lines show where the electric wires can be run.



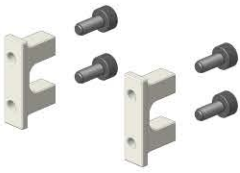
**! CAUTION**

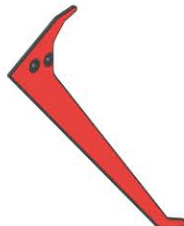
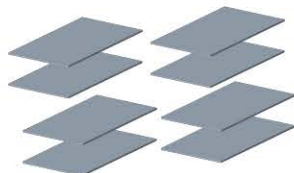
Before takeoff, please fasten the canopy in place to prevent it from falling off during the flight.

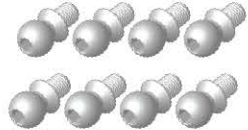


Model: GT060001 Package: Hang tag +PE bag Product name: Aluminum Center Hub 	Model: GT060002 Package: Hang tag +PE bag Product name: Balance bush 	Model: GT060003 Package: Hang tag +PE bag Product name: Main Rotor Head Damper Set - 90 degree 	Model: GT060004 Package: Hang tag +PE bag Product name: Main Rotor Head Damper Set - 80 degree 
Model: GT060005 Package: Hang tag +PE bag Product name: Main Rotor Head Damper Set - POM 	Model: GT060006 Package: Hang tag +PE bag Product name: Main Blade Grip (Single) 	Model: GT060007 Package: Hang tag +PE bag Product name: Pitch control arm set (Single) 	Model: GT060008 Package: Hang tag +PE bag Product name: Feathering Shaft Set 
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  X10	Model: GT060011 Package: Hang tag +PE bag Product name: Main Blade Grip Washers  X4	Model: GT060012 Package: Hang tag +PE bag Product name: Servo to swash link  X5
Model: GT040013 Package: Hang tag +PE bag Product name: Ball link M3 RS5、RS7 	Model: GT060014 Package: Hang tag +PE bag Product name: Washout arm set (Single) 	Model: GT060015 Package: Hang tag +PE bag Product name: Washout links 	Model: GT060016 Package: Hang tag +PE bag Product name: Main Shaft 
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 

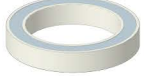
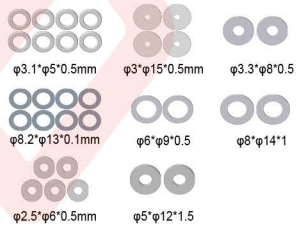
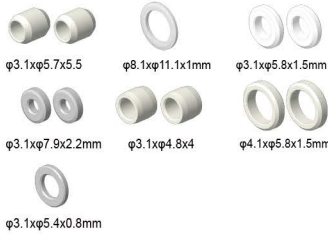
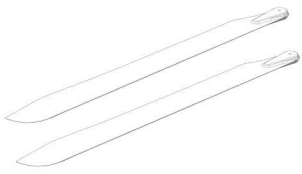
Model: GT060021 Package: Hang tag +PE bag Product name: Oneway Bearing Seat 	Model: GT060022 Package: Hang tag +PE bag Product name: Oneway Bearing 	Model: GT060023 Package: Hang tag +PE bag Product name: Main Gear 	Model: GT060024 Package: Hang tag +PE bag Product name: Main shaft locating ring 
Model: GT060025 Package: Hang tag +PE bag Product name: Tail Belt 	Model: GT060026 Package: Hang tag +PE bag Product name: Main frame bearing holder 	Model: GT060027 Package: Hang tag +PE bag Product name: Front Servo Bracket 	Model: GT060028 Package: Hang tag +PE bag Product name: Rear Servo Bracket 
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 	Model: GT060031 Package: Hang tag +PE bag Product name: Front Belt pulley support 	Model: GT060032 Package: Hang tag +PE bag Product name: Front Belt pulley (Single Set) 
Model: GT060033 Package: Hang tag +PE bag Product name: Tail boom clamp-front 	Model: GT060034 Package: Hang tag +PE bag Product name: Gyro plate 	Model: GT060035 Package: Hang tag +PE bag Product name: Anti-rotation bracket 	Model: GT060036 Package: Hang tag +PE bag Product name: Battery rail set (Left and Right) 
Model: GT060037 Package: Hang tag +PE bag Product name: Front canopy mount 	Model: GT040038 Package: Hang tag +PE bag Product name: Battery latch Set RS5、RS7 	Model: GT060039 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、RS7 

Model: GT040183 Package: Hang tag +PE bag Product name: Quick Release Rear Canopy Grommets RSS RS7  X4	Model: GT060040 Package: Hang tag +PE bag Product name: Tail Servo Bracket 	Model: GT060041 Package: Hang tag +PE bag Product name: Servo Screw set RS5 RS7 	Model: GT060042 Package: Hang tag +PE bag Product name: Upper Side Panel - L 
Model: GT060043 Package: Hang tag +PE bag Product name: Upper Side Panel - R 	Model: GT060044 Package: Hang tag +PE bag Product name: Lower Side Panel - L 	Model: GT060045 Package: Hang tag +PE bag Product name: Lower Side Panel - R 	Model: GT060046 Package: Hang tag +PE bag Product name: Front Frame Carbon plate 
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 
Model: GT060051 Package: Hang tag +PE bag Product name: Main motor Concentricity Cage 	Model: GT060052 Package: Hang tag +PE bag Product name: Landing skid 	Model: GT060053 Package: Hang tag +PE bag Product name: Skid pipes 	Model: GT060054 Package: Hang tag +PE bag Product name: Tail push rod 
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: GT060057 Package: Hang tag +PE bag Product name: Tail boom 	Model: GT060058 Package: Hang tag +PE bag Product name: Vertical Fin - Pink 

Model: GT060059 Package: Hang tag +PE bag Product name: Vertical Fin - Orange 	Model: GT060060 Package: Hang tag +PE bag Product name: Tail box mount plate set 	Model: GT060061 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 	Model: GT060064 Package: Hang tag +PE bag Product name: Tail Belt pulley 	Model: GT040076 Package: Hang tag +PE bag Product name: Tail bell crank RS5, RS7 	Model: GT060065 Package: Hang tag +PE bag Product name: Tail slider 
Model: GT0400078 Package: Hang tag +PE bag Product name: Tail pitch slider link RS5, RS7 	Model: GT060066 Package: Hang tag +PE bag Product name: Tail Shaft 	Model: GT060067 Package: Hang tag +PE bag Product name: Tail feathering shaft 	Model: GT060068 Package: Hang tag +PE bag Product name: Tail Damper - 90 degree 
Model: GT060069 Package: Hang tag +PE bag Product name: Tail blade grip 	Model: GT060070 Package: Hang tag +PE bag Product name: Tail 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 RS5, RS7 
Model: GT040085 Package: Hang tag +PE bag Product name: Battery Strap RS5, RS7  X4	Model: GT040086 Package: Hang tag +PE bag Product name: Antenna Bracket Set RS5, RS7 	Model: GT060072 Package: Hang tag +PE bag Product name: Foam blade holder 	Model: GT060073 Package: Hang tag +PE bag Product name: Canopy - Orange 

Model: GT060074 Package: Hang tag +PE bag Product name: Canopy - Pink 	Model: GT040093 Package: Hang tag +PE bag Product name: Canopy grommets RS5, RS7  X4	Model: GT040094 Package: Hang tag +PE bag Product name: Tail arm pivot Screw RS5, RS7  X2	Model: GT020078 Package: Hang tag +PE bag Product name: M3 finishing washers - Red RS4, RS5, RS7  X4
Model: GT040095 Package: Hang tag +PE bag Product name: M4 finishing washers - Red RS7, RS5  X4	Model: GT040096 Package: Hang tag +PE bag Product name: Ball head Screws-φ5x13.15 RS5, RS7  X2	Model: GT040097 Package: Hang tag +PE bag Product name: Ball head Screws- φ5x27 RS5, RS7  X2	Model: GT040098 Package: Hang tag +PE bag Product name: Ball head Screws-φ5x11.15 RS7, RS5  X8
Model: GT040099 Package: Hang tag +PE bag Product name: Ball head Screws-φ5x10.15 RS5, RS7  X4	Model: GT0400100 Package: Hang tag +PE bag Product name: Ball head Screws-φ5x6.15 RS5, RS7 	Model: GT060075 Package: Hang tag +PE bag Product name: Screws - M4X27 Suitable for: main blades  X4	Model: GT060076 Package: Hang tag +PE bag Product name: Screw - M4X22  X4
Model: GT060077 Package: Hang tag +PE bag Product name: Screw - M5X12  X5	Model: GT060078 Package: Hang tag +PE bag Product name: Screw - M4X12  X5	Model: GT060079 Package: Hang tag +PE bag Product name: Screw - M4X6  X5	Model: GT060080 Package: Hang tag +PE bag Product name: Screw - M3X30  X2
Model: GT060081 Package: Hang tag +PE bag Product name: Screw - M3X25  X10	Model: GT040103 Package: Hang tag +PE bag Product name: Screw - M3X22 RS5, RS7  X5	Model: GT060082 Package: Hang tag +PE bag Product name: Screw - M3X20  X5	Model: GT060083 Package: Hang tag +PE bag Product name: Screw - M3X18  X5

Model: GT060084 Package: Hang tag +PE bag Product name: Screw - M3X16  X5	Model: GT040102 Package: Hang tag +PE bag Product name: Screw - M3X14  X6	Model: GT040108 Package: Hang tag +PE bag Product name: Screw - M3X12  X5	Model: GT040109 Package: Hang tag +PE bag Product name: Screw - M3X10  X10
Model: GT020094 Package: Hang tag +PE bag Product name: Screw - M3X8  X10	Model: GT040111 Package: Hang tag +PE bag Product name: Screw - M3X6  X10	Model: GT040112 Package: Hang tag +PE bag Product name: Screw - M2.5X8  X10	Model: GT040113 Package: Hang tag +PE bag Product name: Screw - M2.5X6  X10
Model: GT020127 Package: Hang tag +PE bag Product name: Screw - M2.5X12  X10	Model: GT020148 Package: Hang tag +PE bag Product name: Screw - M2.5X10  X10	Model: GT040114 Package: Hang tag +PE bag Product name: Screw - M2.5X5  X10	Model: GT060085 Package: Hang tag +PE bag Product name: Screw - M2.5X6  X10
Model: GT020095 Package: Hang tag +PE bag Product name: Screw - M2X10-L4  X10	Model: GT060086 Package: Hang tag +PE bag Product name: Screw - M2X8  X10	Model: GT020097 Package: Hang tag +PE bag Product name: Screw - M2X6  X10	Model: GT020125 Package: Hang tag +PE bag Product name: Screw - M2X4  X10
Model: GT060087 Package: Hang tag +PE bag Product name: Grub Screw - M2.5X14  X5	Model: GT060088 Package: Hang tag +PE bag Product name: Grub Screw - M4X4  X10	Model: GT020120 Package: Hang tag +PE bag Product name: M3 locknut  X10	Model: GT020130 Package: Hang tag +PE bag Product name: M2 locknut  X10

Model: GT060089 Package: Hang tag +PE bag Product name: Bearing($\phi 4^* \phi 8^* 3$) Suitable for: tail blade grip  X2	Model: GT060090 Package: Hang tag +PE bag Product name: Bearing ($\phi 8^* \phi 14^* 4$) Suitable for: Tail Slider  X2	Model: GT060091 Package: Hang tag +PE bag Product name: Bearing($\phi 6^* \phi 15^* 5$) Suitable for: Tail case  X2	Model: GT060092 Package: Hang tag +PE bag Product name: Bearing($\phi 8 \times \phi 16 \times 5 \text{mm}$) Suitable for: Main blade grip  X2
Model: GT060093 Package: Hang tag +PE bag Product name: Bearing($\phi 30 \times \phi 42 \times 7 \text{mm}$) Suitable for: Swash outer Ring  X1	Model: GT060094 Package: Hang tag +PE bag Product name: Bearing(GE12C) Suitable for: For Swashplate  X1	Model: GT040128 Package: Hang tag +PE bag Product name: Bearing(683ZZ-$\phi 3^* \phi 7^* 3$) Suitable for: RS7 Tail Belt pulley / RS5 Washout arm, Washout links, Tail Belt pulley RS5, RS7  X2	Model: GT060095 Package: Hang tag +PE bag Product name: Bearing($\phi 12^* \phi 21^* 5$) Suitable for: Oneway Bearing Reinforcement sleeve, Main frame bearing holder  X2
Model: GT000064 Package: Hang tag +PE bag Product name: Swashplate bearing-6701ZZ Suitable for: Oneway Bearing Reinforcement Cover S2, RS5  X2	Model: GT040123 Package: Hang tag +PE bag Product name: Bearing ($\phi 15^* \phi 21^* 4$) Suitable for: RS7 Oneway Bearing cover, Single Bearing Seat / RS5 Third bearing seat RS5, RS7  X2	Model: GT040120 Package: Hang tag +PE bag Product name: Bearing ($\phi 8^* \phi 19^* 6$) Suitable for: Main motor concentricity holder RS5, RS7  X1	Model: GT040124 Package: Hang tag +PE bag Product name: Bearing (623ZZ-$\phi 3^* \phi 10^* 4$) Suitable for: Front Belt Pulley RS5, RS7  X2
Model: GT040125 Package: Hang tag +PE bag Product name: Bearing (693ZZ-$\phi 3^* \phi 8^* 4$) Suitable for: RS7 FBL Control Arm, FBL control arm ball joint, tail bell crank / RS5 tail bell crank RS5, RS7  X2	Model: GT060096 Package: Hang tag +PE bag Product name: Washers 	Model: GT060097 Package: Hang tag +PE bag Product name: Spacer sleeve set 	Model: GT060098 Package: Hang tag +PE bag Product name: AZ-560 Main blades Suitable for: 550 Sized helicopter 
Model: GT060099 Package: Hang tag +PE bag Product name: AZ-95 Tail blades Suitable for: 550 Sized helicopter 	Model: GT060100 Package: Hang tag +PE bag Product name: Tail boom clamp---rear 	Model: GT060108 Package: Hang tag +PE bag Product name: canopy mount plate 	



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