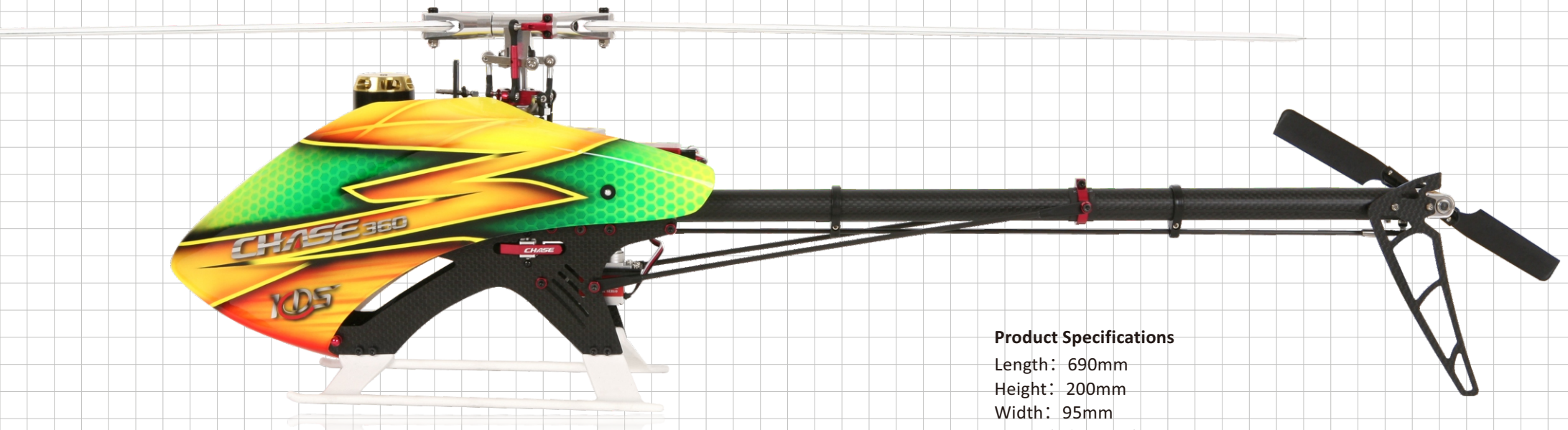
CHASE 360 HELICOPTER

INSTRUCTION MANUAL

Version No：20150423



Thank you for buying Chase products. Please read this manual carefully before assembling. We recommend that you keep this manual for future reference regarding tuning and maintenance.

SAFETY PRECAUTIONS

This radio controlled helicopter is NOT A TOY! It has some technical requirements, you must pay attention to the flying environment and correct operation. Never fly your radio controlled helicopter over people or near crowds. Teenagers must fly under the guardian's guide. Beginners must fly under the guardian of experienced pilot.

Product Specifications

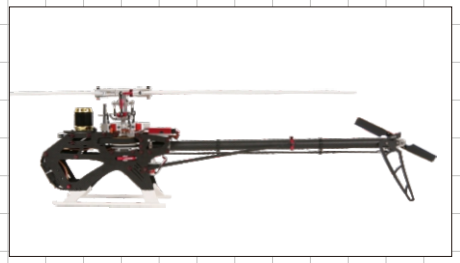
Length：690mm
Height：200mm
Width：95mm
Main Blade Length：360mm
Tail Blade Length：58-62mm
Motor Pinion：18T/19T
Servo：KDS N300S/T
Motor KV：1900KV
Driving Gear：(18/50)(18/80)
Gear Ratio：18T(12.34:1)
Tail Gear Ratio: 4.73:1
Flying Weight: 1100g
Battery：22.2V 1300-1500mAh
ESC：50A 6S

Version No：20150423

1.INTRODUCTION

Congratulations on your purchase of the Chase 360 radio controlled helicopter kit. Chase 360 was designed in Europe by Australia by Glen Kimpton and is proudly manufactured by KDS Model. Our goal was to offer you something different with a minimum of parts, easy maintenance, and outstanding flying performances.
It's time to fly different!...





Enjoy the built and have a great time with you Chase 360!

IMPORTANT NOTES

R/C helicopters, including the Chase 360 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 using and make sure to be conscious of your own personal safety and the safety of others and your environment when operating all CHASE products. Chase 360, KDS Model, their affiliates and authorized distributors are not responsible for personal injuries to the operators and others, and property damages that could occur from the assembly, maintenance or your use/misuse of this product. Always respect the rules provided by your local remote control aircraft organization.

NOTE FOR ASSEMBLY

The following manual provide important instructions to correctly assemble the model. It is structured in a logical way, based on the work done in previous step. If you change the order, it may result in additional or unnecessary steps. So we suggest you to read this user manual very carefully to understand correctly the assembly procedure. Failure to do so may not only downgrade performances but also increase the risk of danger. Apply thread lock as indicated, allow the threadlock to cure before mounting parts. It is recommended to use threadlock on each bolt or screw that are engaged with metal parts.

2.SAFETY NOTES

- **LOCATE AN APPROPRIATE LOCATION**

R/C helicopters fly at high speed, thus posing a certain degree of potential danger. Choose an appropriate flying site consisting of flat, smooth ground, a clear open field, or a large open room, such as gymnasium or warehouse without obstacles. Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others and your model. Do not play your model in inclement weather, such as rain, wind, snow or darkness.

- **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(recommend you to practice with computer-based flight simulator).

- **ALWAYS BE AWARE OF THE ROTATING BLADES**

During the operation of the helicopter, the main rotor will be spinning at a high rate of speed. The blades are capable of inflicting serious bodily injury and damage 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 the model.

• 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.

• KEEP AWAY FROM HEAT

R/C models are made up of various forms of plastic. 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 temperature environment.

• PROPER OPERATION

Please use the replacement of parts on the manual to ensure the safety of instructors. This product is for R/C model, so do not use for other purpose.

• SAFE OPERATION

Operate this unit within your ability. Do not fly under tired condition or improper operation, which may cause danger.

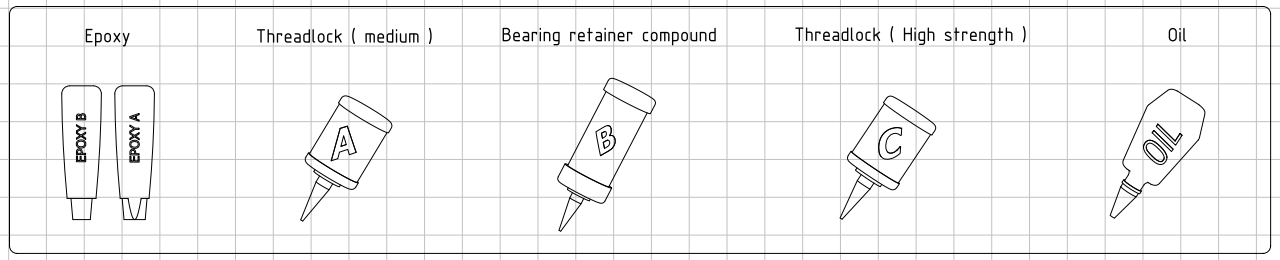
3.Safety Check Before Flying

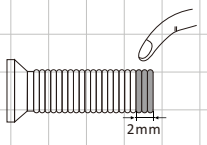
Before flying, for safety reasons, make sure that no one else is operating a R/C model on the same frequency as yours.
Before flying, please check that the power of your transmitter and your helicopter are sufficient for the flight.
Before turning on the transmitter, please check that the throttle stick is in its lowest position, IDLE UP switch must be on OFF position.
When turning off the model, please follow the power on/off procedure. Power ON: turn on the transmitter first, then turn on helicopter power. Power OFF: turn off the helicopter power first and then turn off the transmitter. Improper operating procedure may cause the model to be out of control, so please do make this your habit.
Before operation, check that every movement is smooth and directions are correct. Inspect servos carefully for interferences and broken gears.
Check for missing or loose screws and nuts. See if there is any cracked and/or incomplete assembly of parts.
Check main rotor blades and rotor holders carefully. Broken and premature failures of parts might result in a dangerous situation or crash.
Check all ball links to avoid excess play and replace as needed. Failure to do so will result in poor flight stability.
Check that the battery and power plugs are fastened. Vibrations and violent flight might loosen the plugs and so lead to out of control.
Check for the tension of main drive belt.

4.Tools Required

-Hex drivers : 1.5, 2, 2.5, 3, 4mm
-Nut Drivers : 2, 4, 7mm
-Ball link pliers
-Diagonal cutting pliers
-Scissors
-Metric ruler
-Soldering iron + solder (for motor and ESC wiring)
-Pitch gauge (for set up)
-Swashplate leveller
-Threadlock blue * (medium)
-Threadlock red * (high strength)
-Bearing retainer compound
-Epoxy A+B Glue
-Grease
-Oil
*Colors may vary depending on your area.

When you see the marks as below, please use glue or grease to ensure flying safety.





"A" Glue width: approx. 2mm

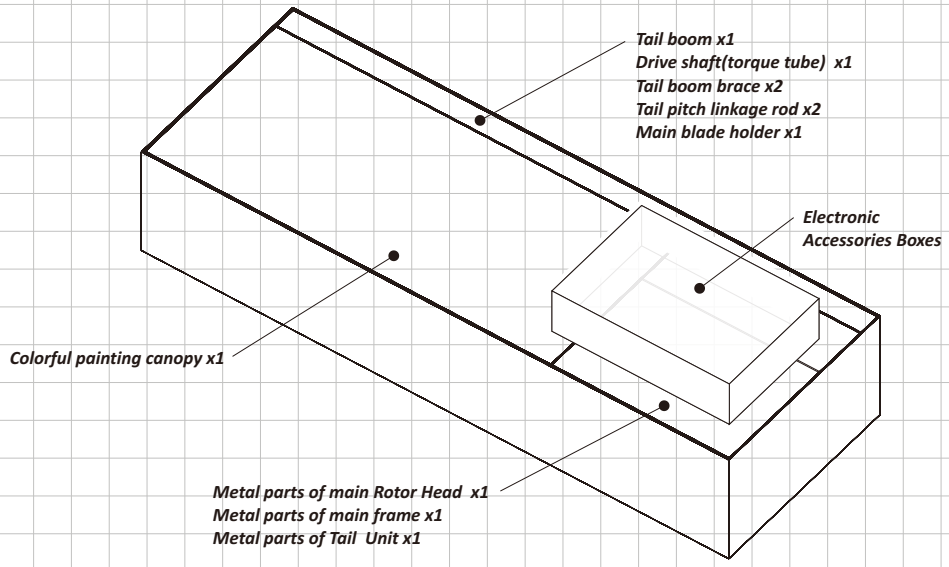
"OIL" Lubrication grease. "A" thread lock, apply a small amount on screws or metal parts and wipe surplus off. When disassembling, recommend to heat the metal joint about 15 seconds. (NOTE: Keep plastic parts away from heat.)

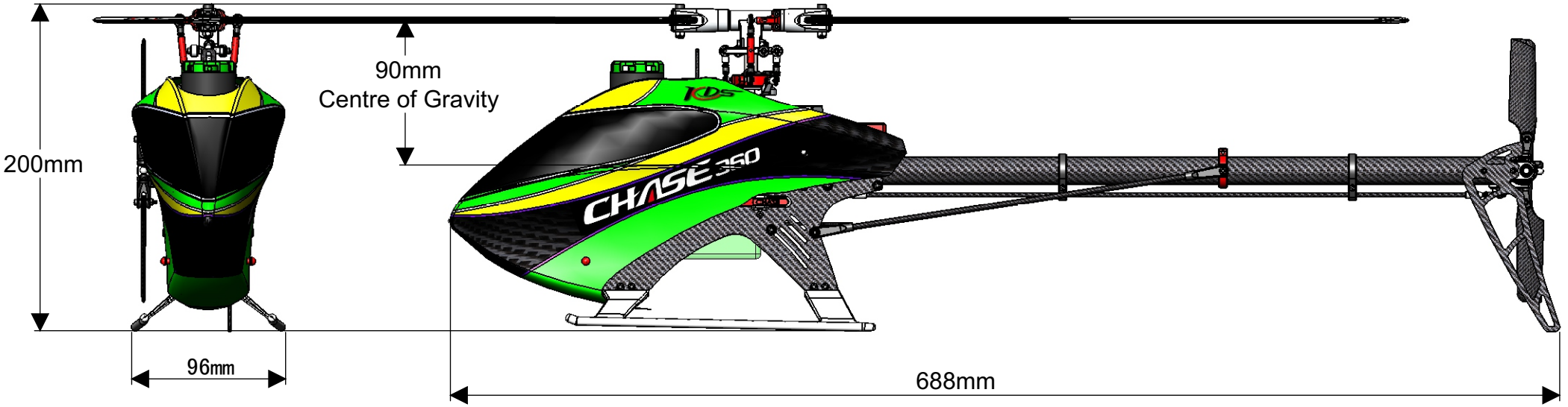
5.Equipment Required for Assembly

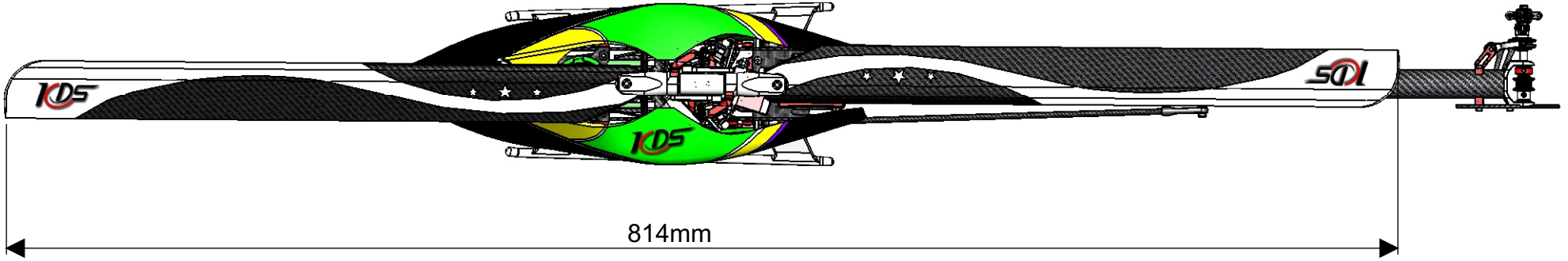
- Brushless electric motor: 6s Lipo - 1900KV
(3mm Bolt holes, 25mm mount width, 4mm * 57.5mm motor shaft)
- Speed controller: minimum 50A
(ESC specs limits should be rated accordingly to the maximum amps handling by the motor)
- Lipo Batteries: 6S 1200-1500 mAh
- Electronic flybarless system
- 3 cyclic servos, standard size
- 1 tail rotor servo, standard size, high speed required
- 360 mm main rotor blades
- 58-62mm tail rotor blades
- 6 channel or more helicopter transmitter system, 2.4 Ghz frequency preferred
- Receiver 6 channel or more (working with your transmitter specs)

RADIO TRANSMITTER AND ELECTRONIC EQUIPMENT REQUIRED FOR ASSEMBLY

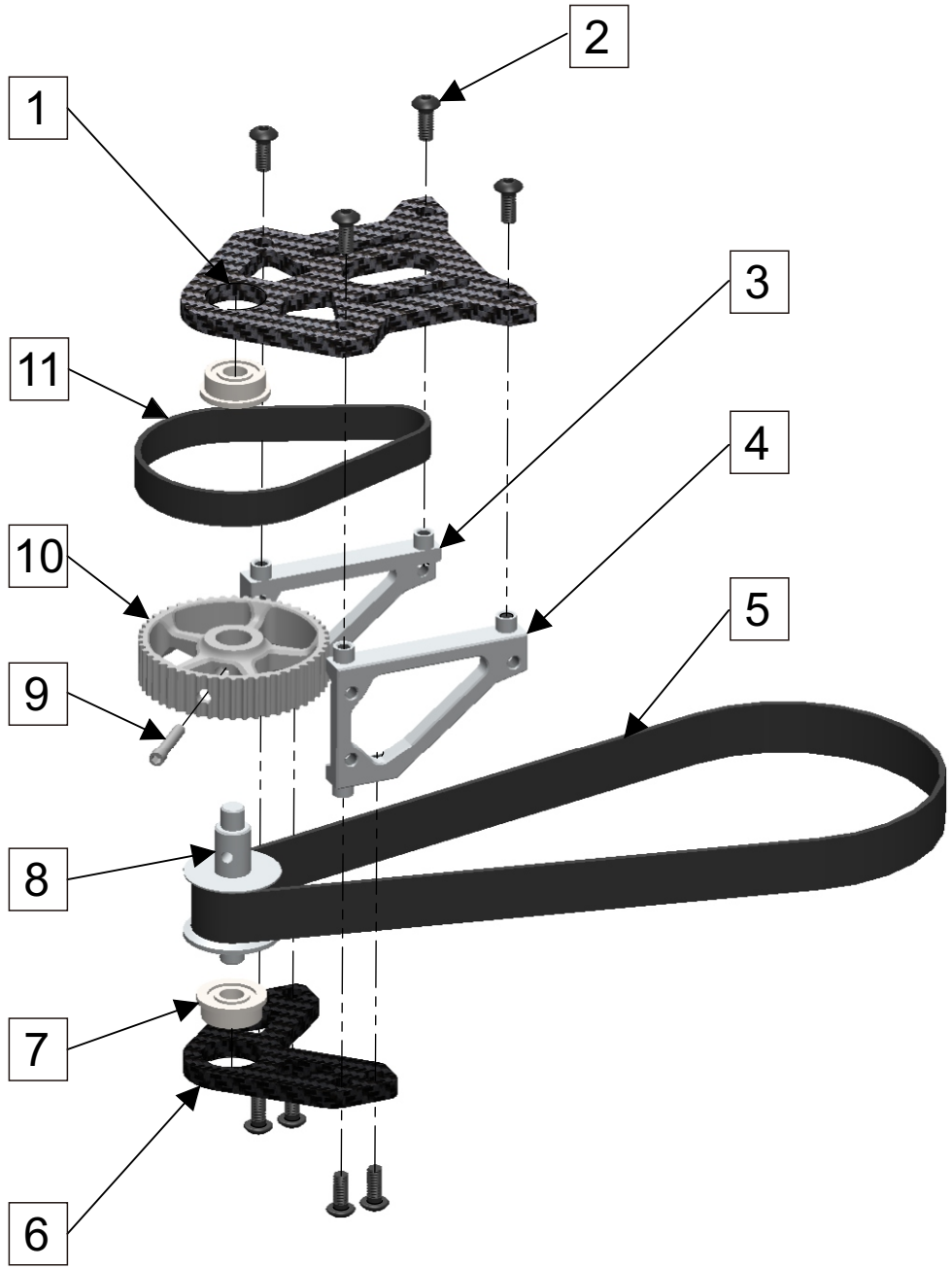
6.Package Illustration




200mm
90mm
Centre of Gravity
96mm
688mm

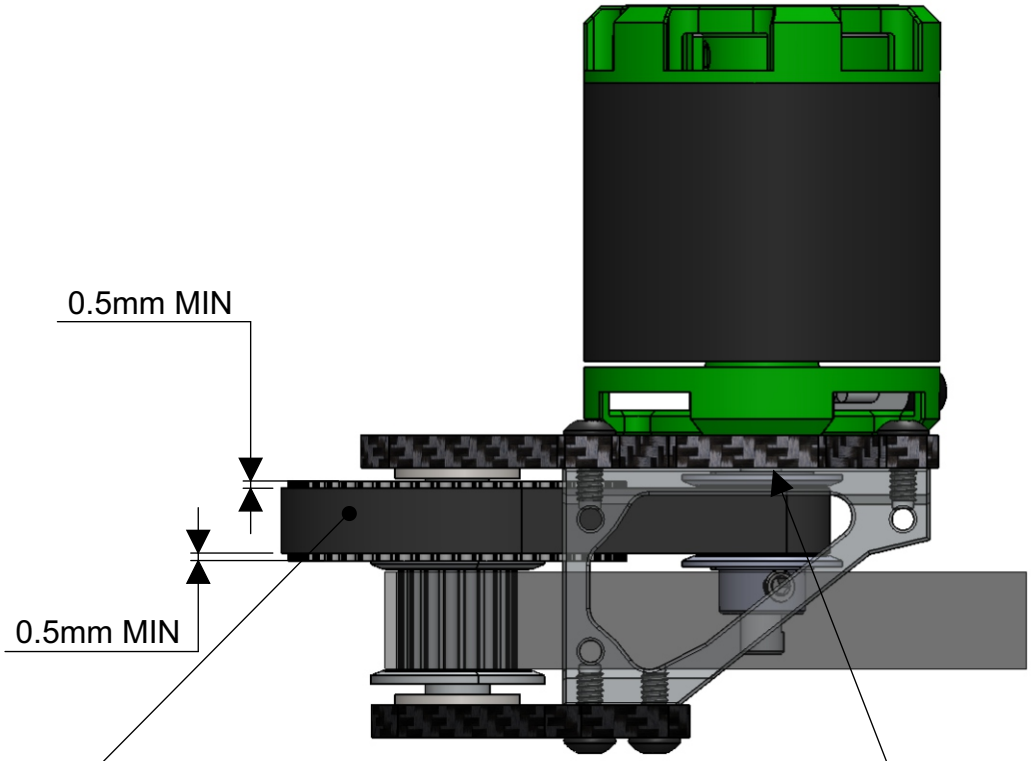

814mm

ITEM NO.	DESCRIP TION	QTY.
1	Upper motor block	1
2	Round head screw(M2. 5 x 6)	8
3	Motor mount bracket right	1
4	Motor mount bracket left	1
5	Main belt（147MXL-9MM）	1
6	Lower motor block	1
7	Bearing （4x10x4）	2
8	18T 2nd Stage pinion	1
9	1ST Stage pulley pin	1
10	50T Pulley	1
11	1ST Stage belt （63MXL−6mm）	1



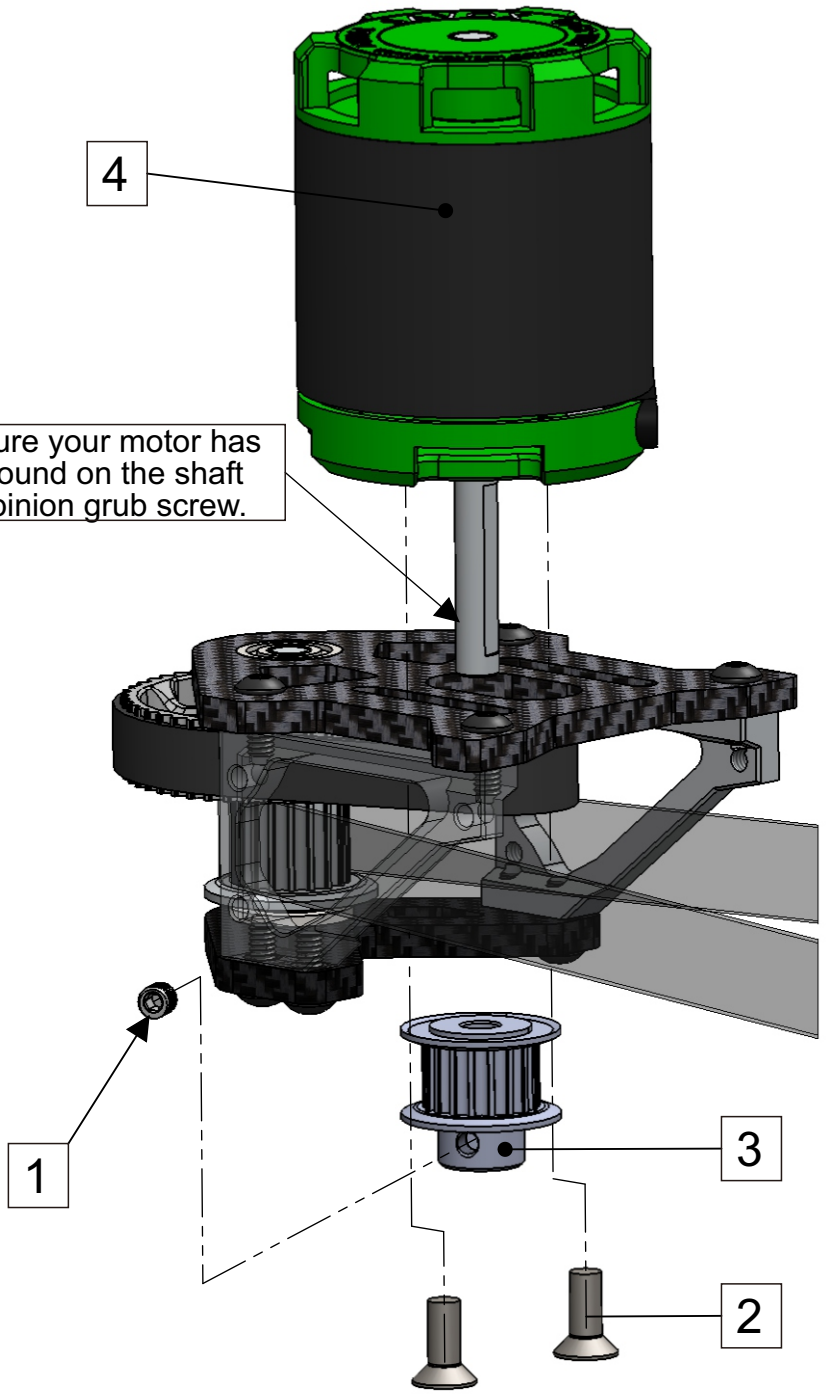
ITEM NO	DESCRIP TION	QTY.
1	Set Screw （M3）	1
2	Flat head screw M3X6	2
3	pinion 18T(19T)	1
4	Motor（1880KV）	1

This step can be completed at any time.
But is easier before installing the 1st stage assembly into the model

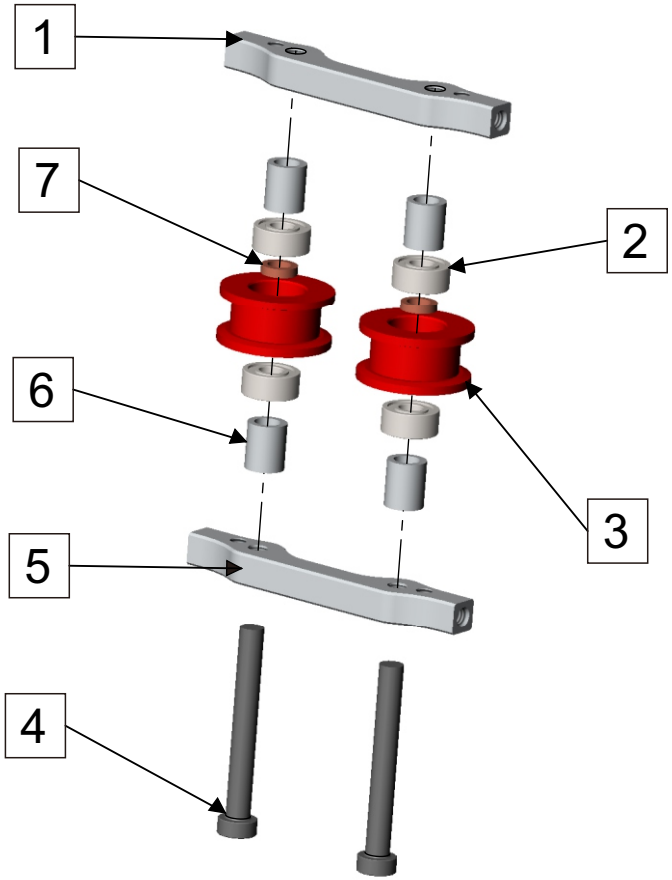


Turn the motor over by hand to test belt positioning.
Adjust the motor pinion height until the belt runs central on the front pulley

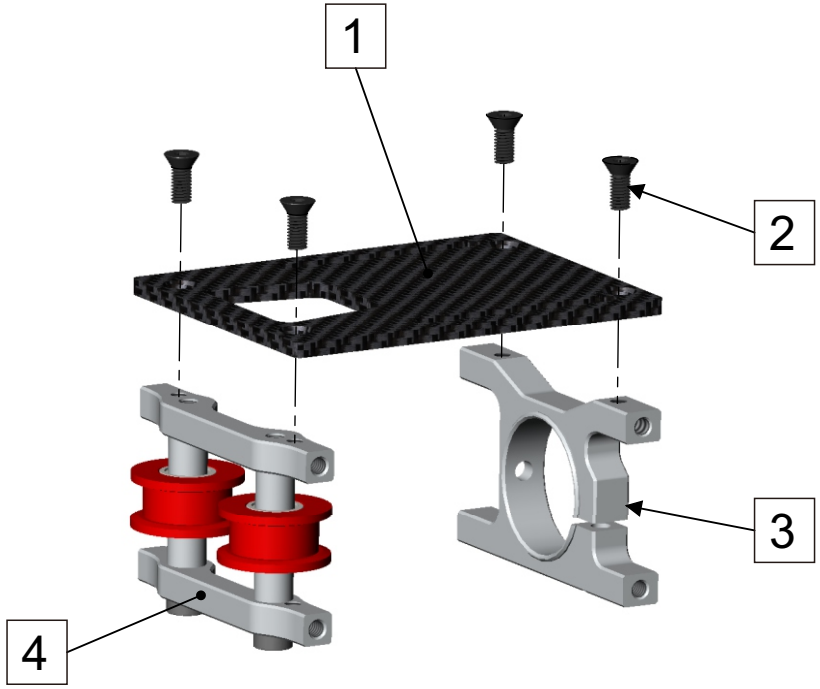
tip : the pinion should be positioned as close as possible to the top plate to avoid rubbing and correct belt alignment



ITEM NO.	DESCRIP TION	QTY.
1	UP Pulley holder SET	1
2	Bearing（3x7x3）	4
3	Belt guide pulley	2
4	CAP Screw (M3 x 24）	2
5	Down Pulley holder SET	1
6	Spacer sleeve	4
7	spacing washer	2

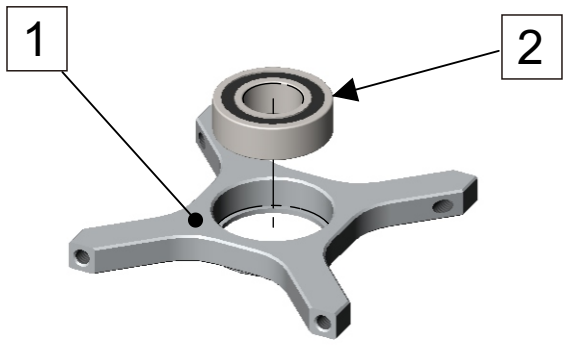


ITEM NO.	DESCRIP TION	QTY.
1	GYRO TRAY	1
2	Flat head screw M2. 5X6	4
3	Boom Clamp	2

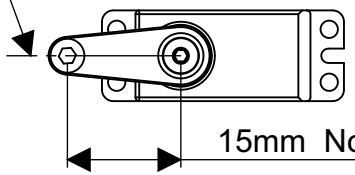


ITEM NO.	DESCRIP TION	QTY.
1	Round head screw (M2 x 6)	6
2	CYCLIC SERVO	3
3	Lock Nut (M2)	6
4	Round head screw (M2. 5 x 6)	6
5	UPPER BEARING BLOCK	4
6	Bearing (8x16x5)	1
7	SERVO MOUNT	3

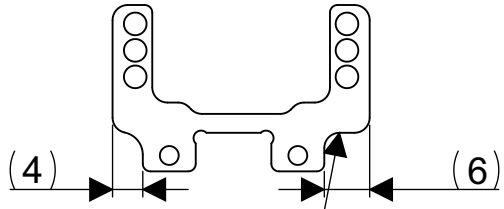
ITEM NO.	DESCRIP TION	QTY.
1	LOWER BEARING BLOCK	1
2	Bearing (8x16x5)	1



Tip - It is best to position the servo arms on servos (with 0 trim) closest to level during this step.

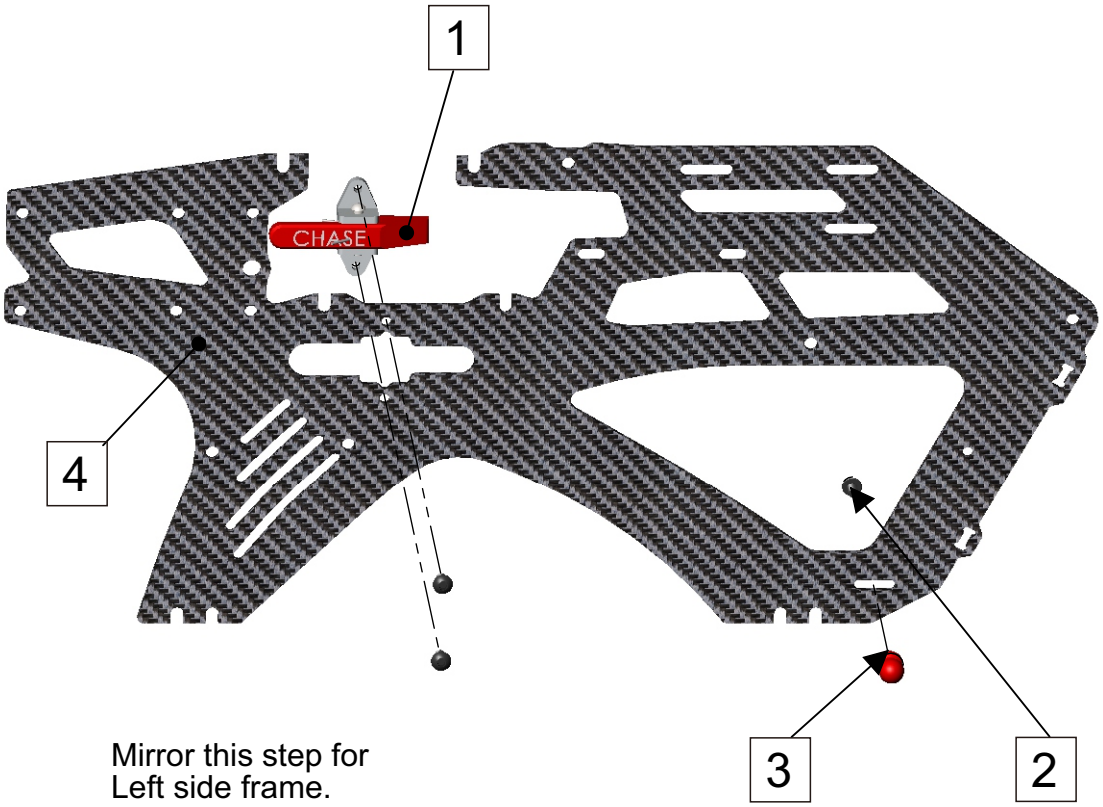


Power the servo to adjust the central point at level condition before assemble

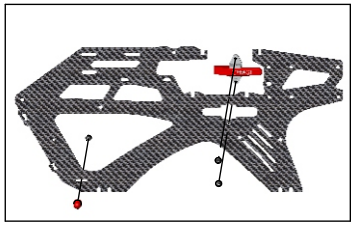


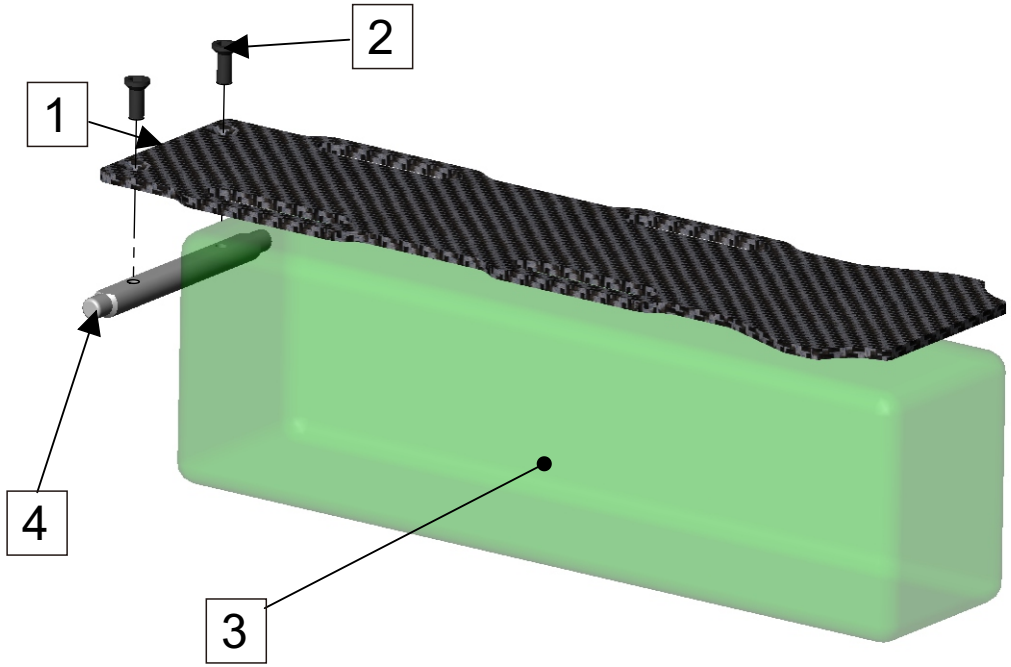
Long side of the brackets face clockwise.

ITEM NO	DESCRIP TION	QTY.
1	Lipo tray button (right)	1
2	Round head screw (M2 x 4)	3
3	canopy locating pin	1
4	Side frame	1



Mirror this step for
Left side frame.

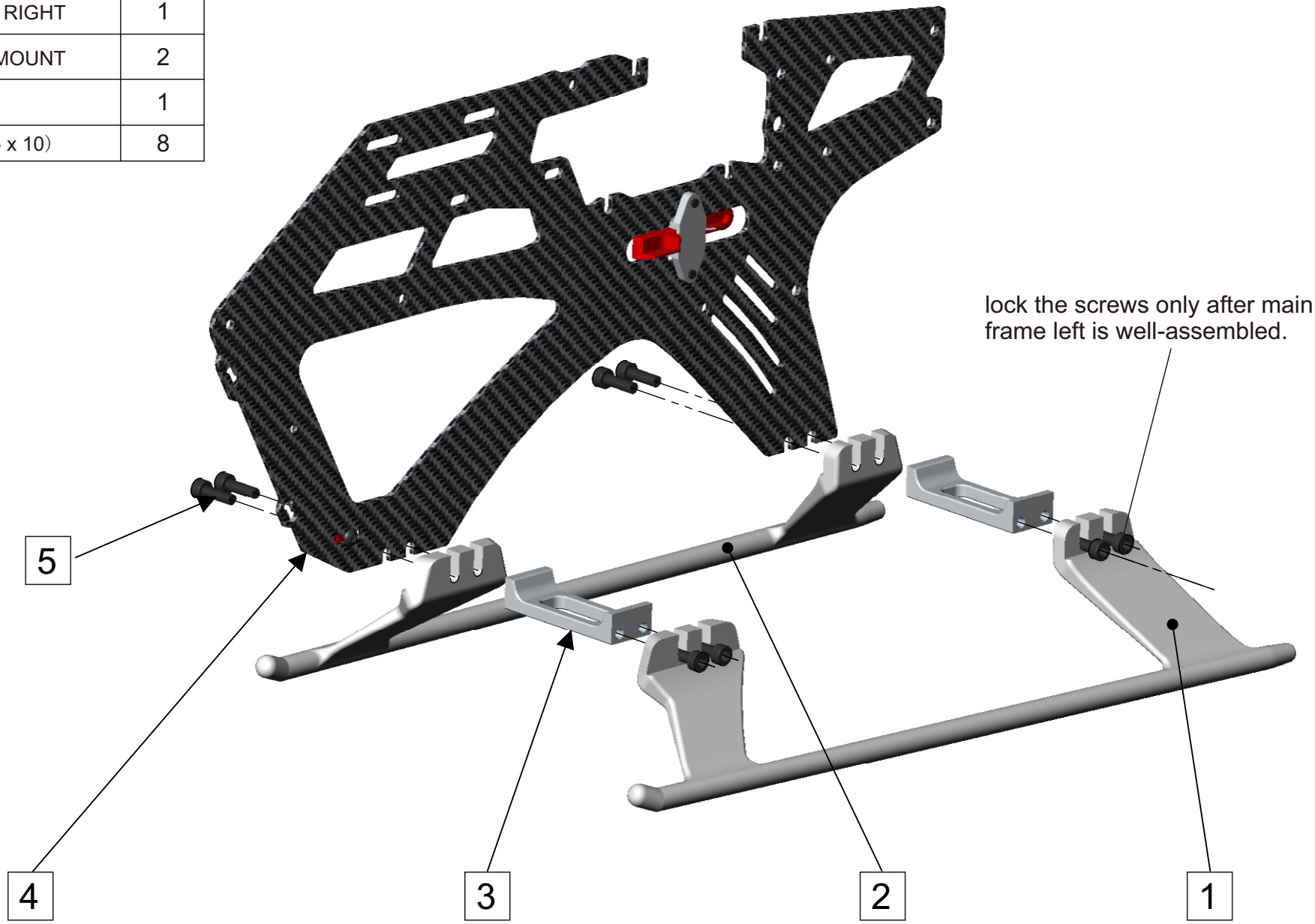




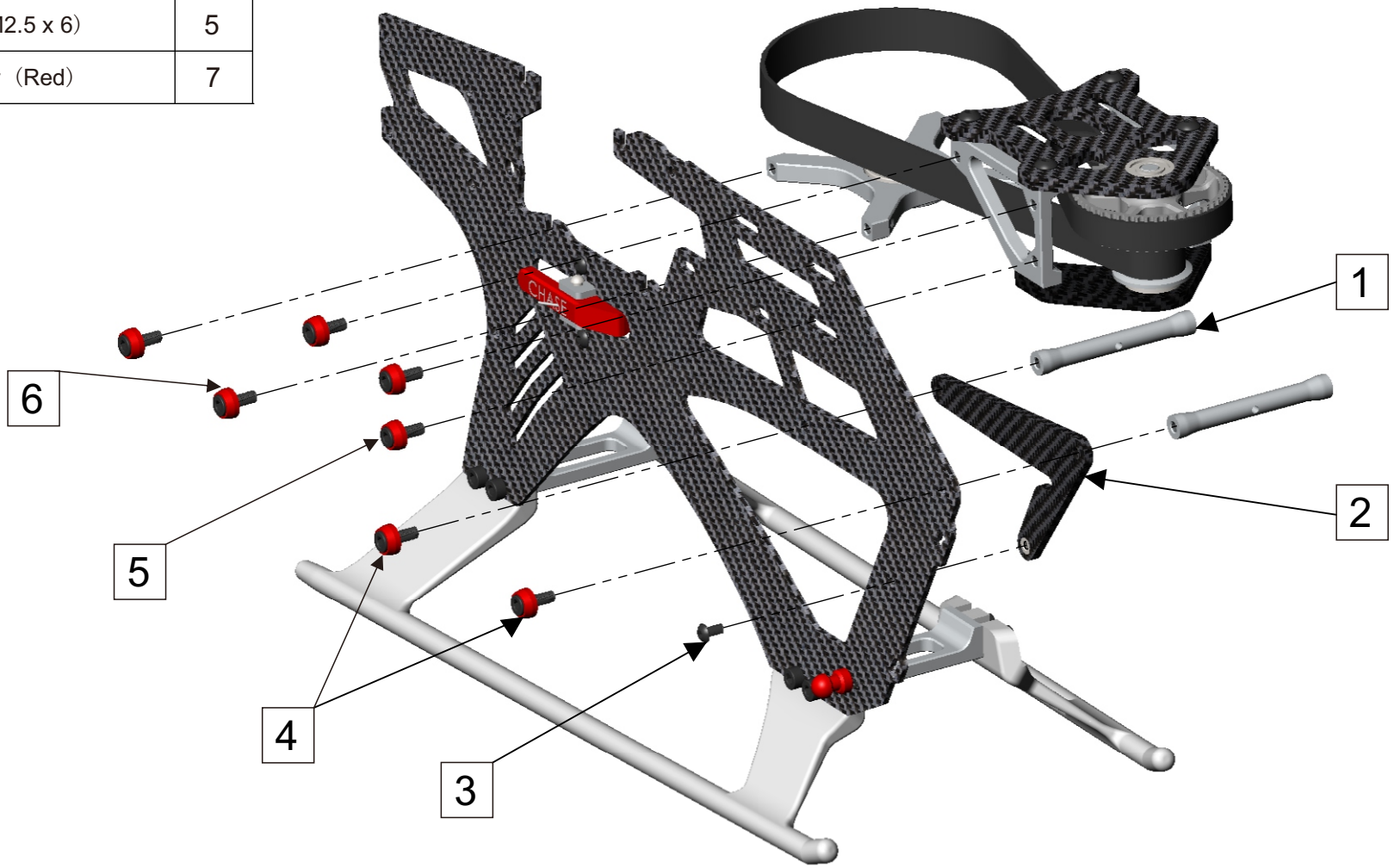
Recommended lipo 1200 - 1400 mah.
Size restrictions 39mm x 45mm x 116mm.
Or unlimited length with front tail servo mount option (Refer to Step 26)

ITEM NO	DESCRIP TION	QTY.
1	Lipo tray	1
2	Flat head screw M2x6	2
3	LIPO 1200 - 1400mAh	1
4	Lipo tray fixed mount	1

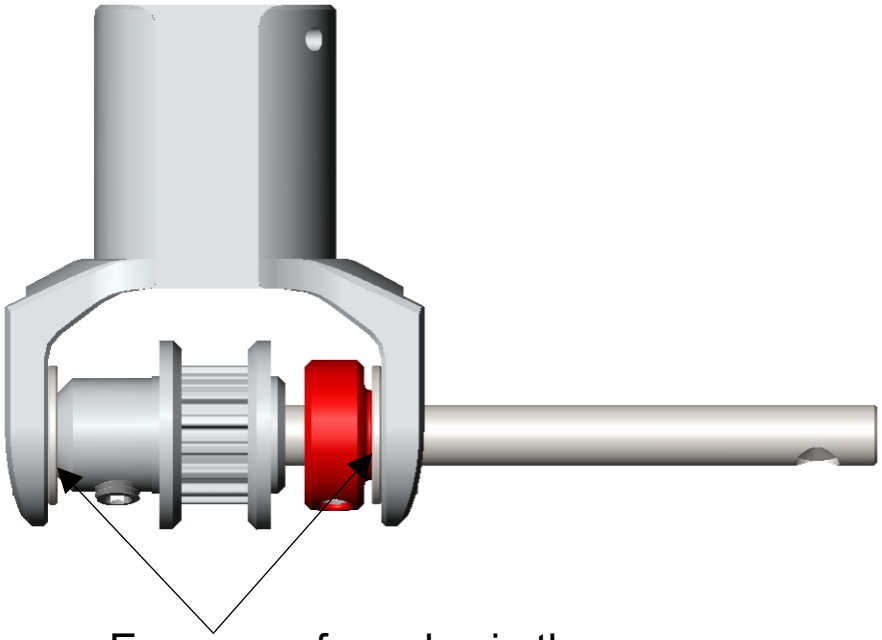
ITEM NO	DESCRIP TION	QTY.
1	LANDING GEAR - LEFT	1
2	LANDING GEAR - RIGHT	1
3	LANDING GEAR MOUNT	2
4	FROM STEP 6	1
5	CAP Screw (M2.5 x 10)	8



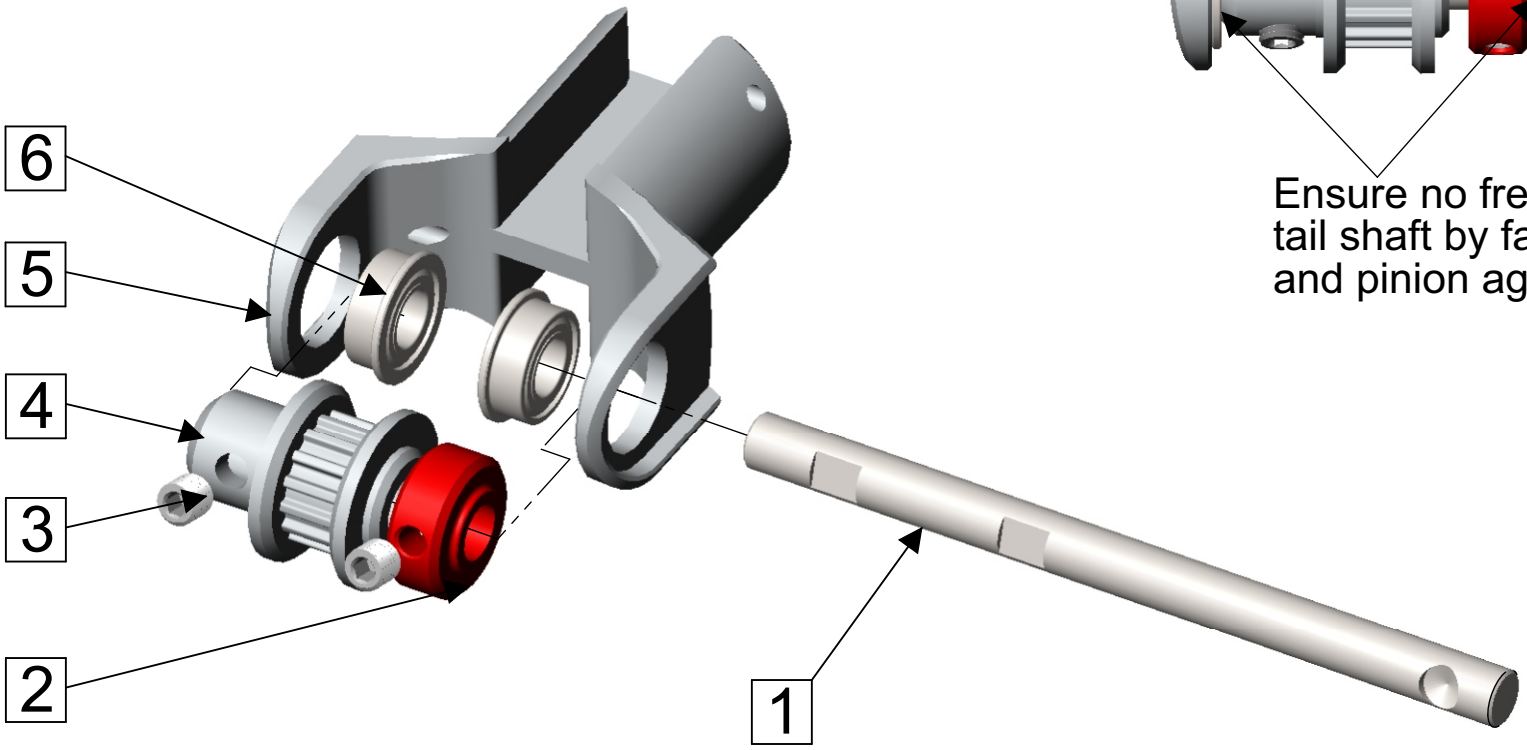
ITEM NO.	DESCRIP TION	QTY.
1	FRAME SPACERS	2
2	Lipo sliding rail （right）	1
3	Round head screw (M2 x 4)	2
4	CAP Screw (M2.5 x 8)	2
5	CAP Screw (M2.5 x 6)	5
6	Frame Washer （Red）	7



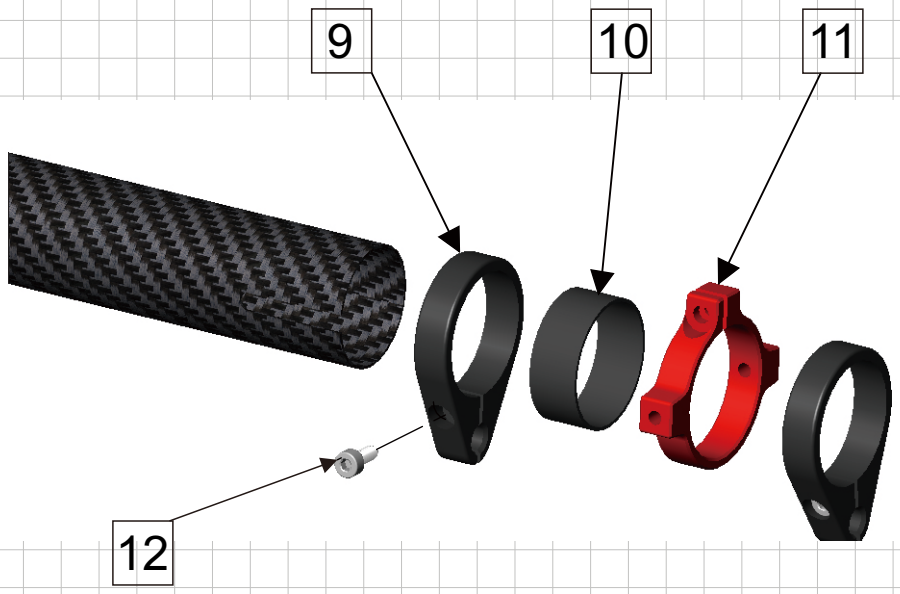
ITEM NO	DESCRIP TION	QTY.
1	Tail shaft	1
2	Tail shaft locking collar	1
3	Set Screw （M3x3）	2
4	Tail Pinion（15T）	1
5	Tail Box	1
6	Bearings （4x8x3）	2

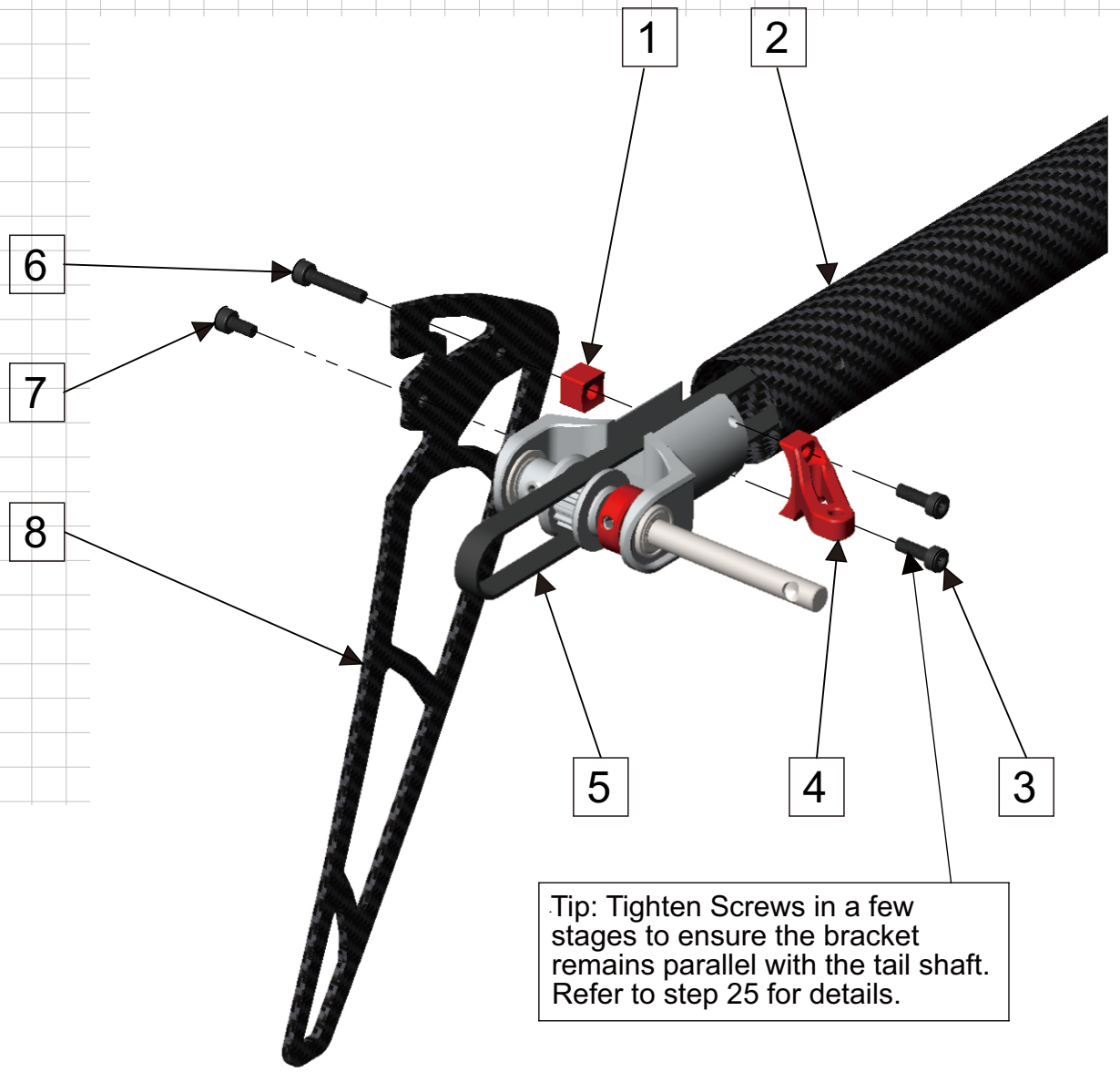


Ensure no free play in the
tail shaft by fastening the Locking collar
and pinion against the bearings.



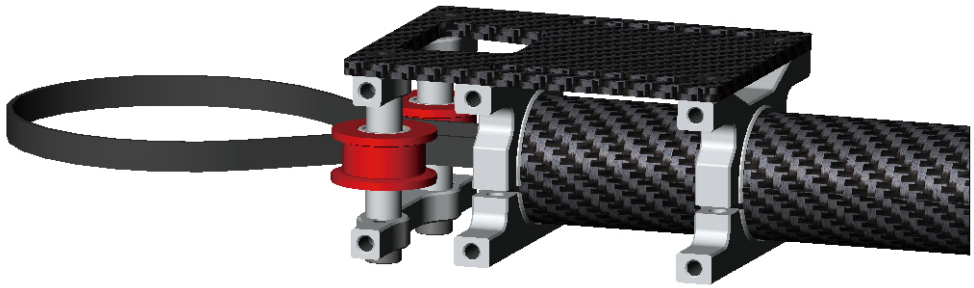
ITEM NO.	DESCRIP TION	QTY.
1	Fin Spacer	1
2	Tail Boom	1
3	CAP Screw (M2 x 6)	2
4	Pitch Slider Bracket	1
5	Tail Belt	1
6	CAP Screw (M2 x 10)	1
7	CAP Screw (M2 x 4)	1
8	CF Vertical stabilizer	1
9	Tail control guide	2
10	Heat shrink tubing	1
11	Tail boom brace mount	1
12	CAP Screw (ST2 x 6)	2

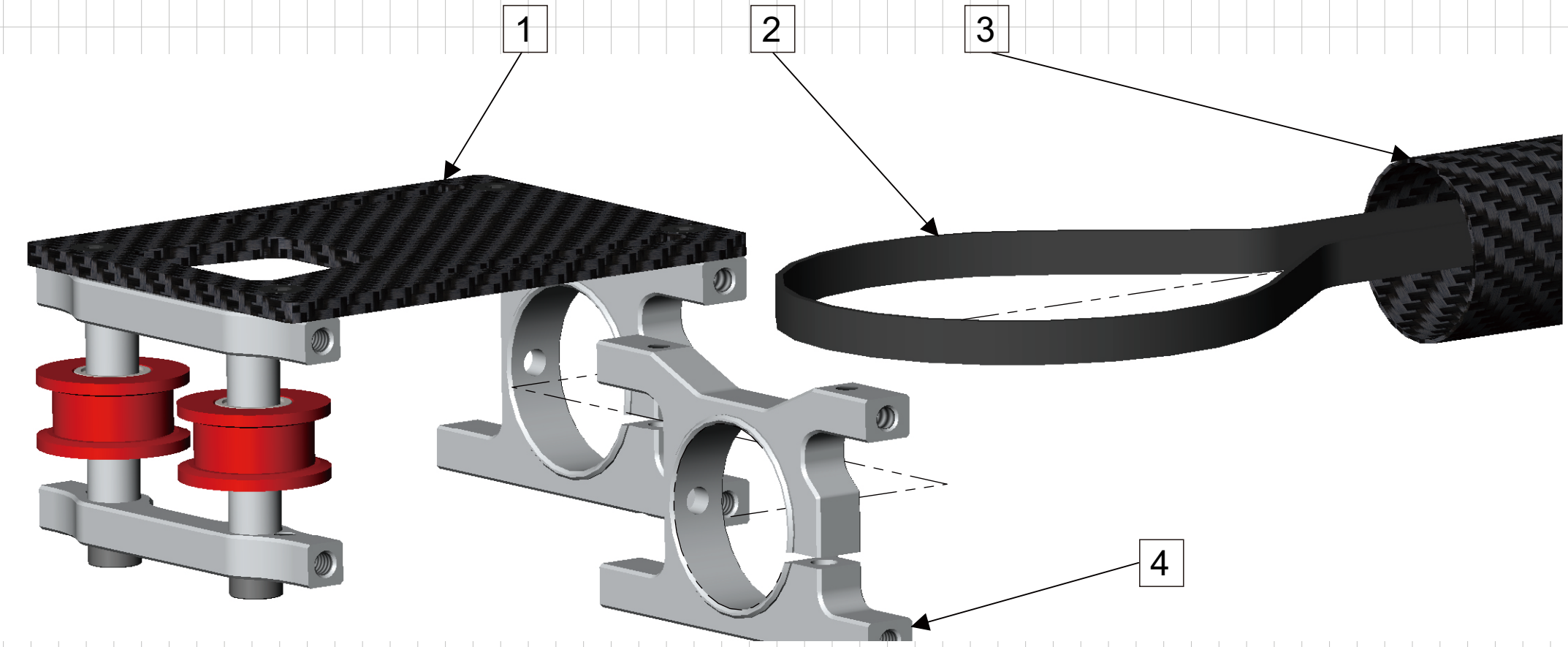




Tip: Tighten Screws in a few stages to ensure the bracket remains parallel with the tail shaft. Refer to step 25 for details.

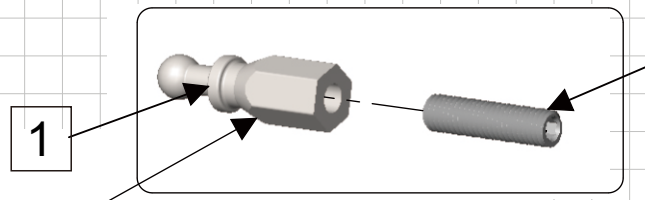
ITEM NO.	DESCRIP TION	QTY.
1	Parts From Step 4	1
2	Tail Belt	1
3	Parts from Step 10	1
4	Boom Clamp	1



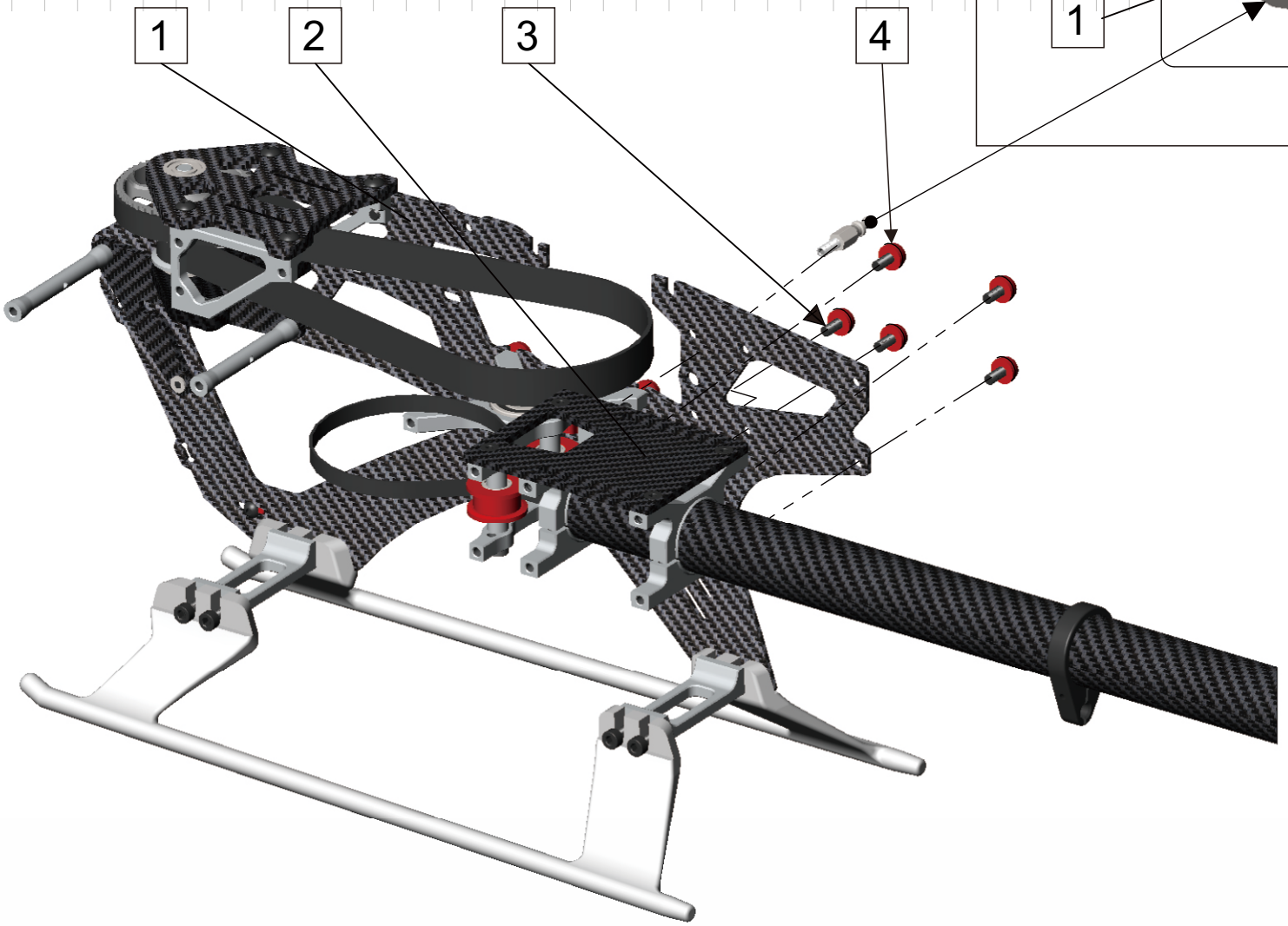


ITEM NO.	DESCRIP TION	QTY.
1	Parts From Step 5	1
2	Parts From Step 10	1
3	CAP Screw (M2. 5 x 6)	5
4	Frame Washer (Red)	5

ITEM NO.	DESCRIP TION	QTY.
1	Front canopy mounting bolt	1
2	Set Screw (M2. 5x10)	1

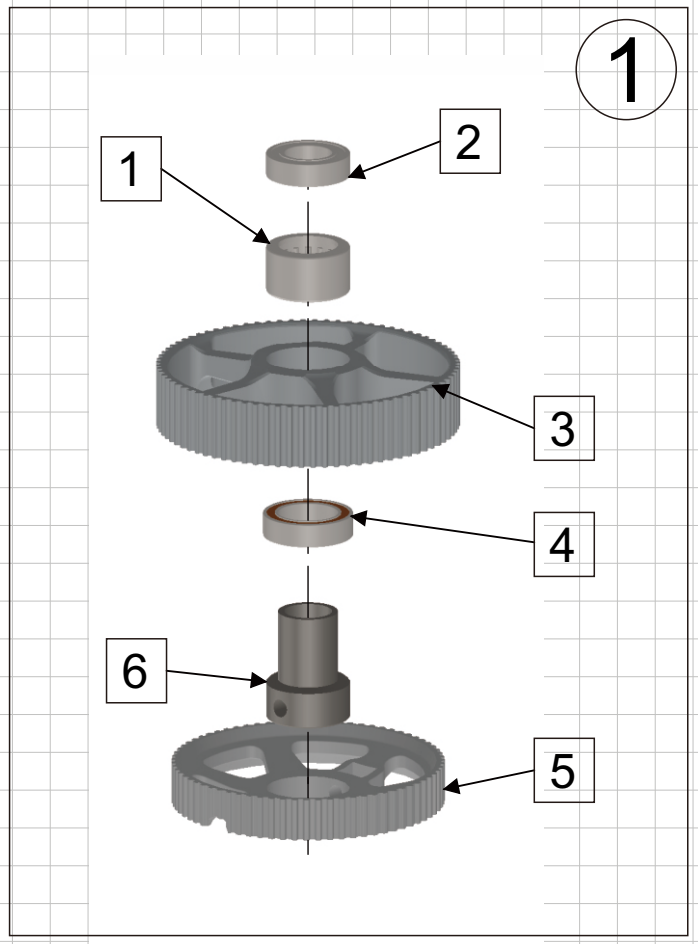


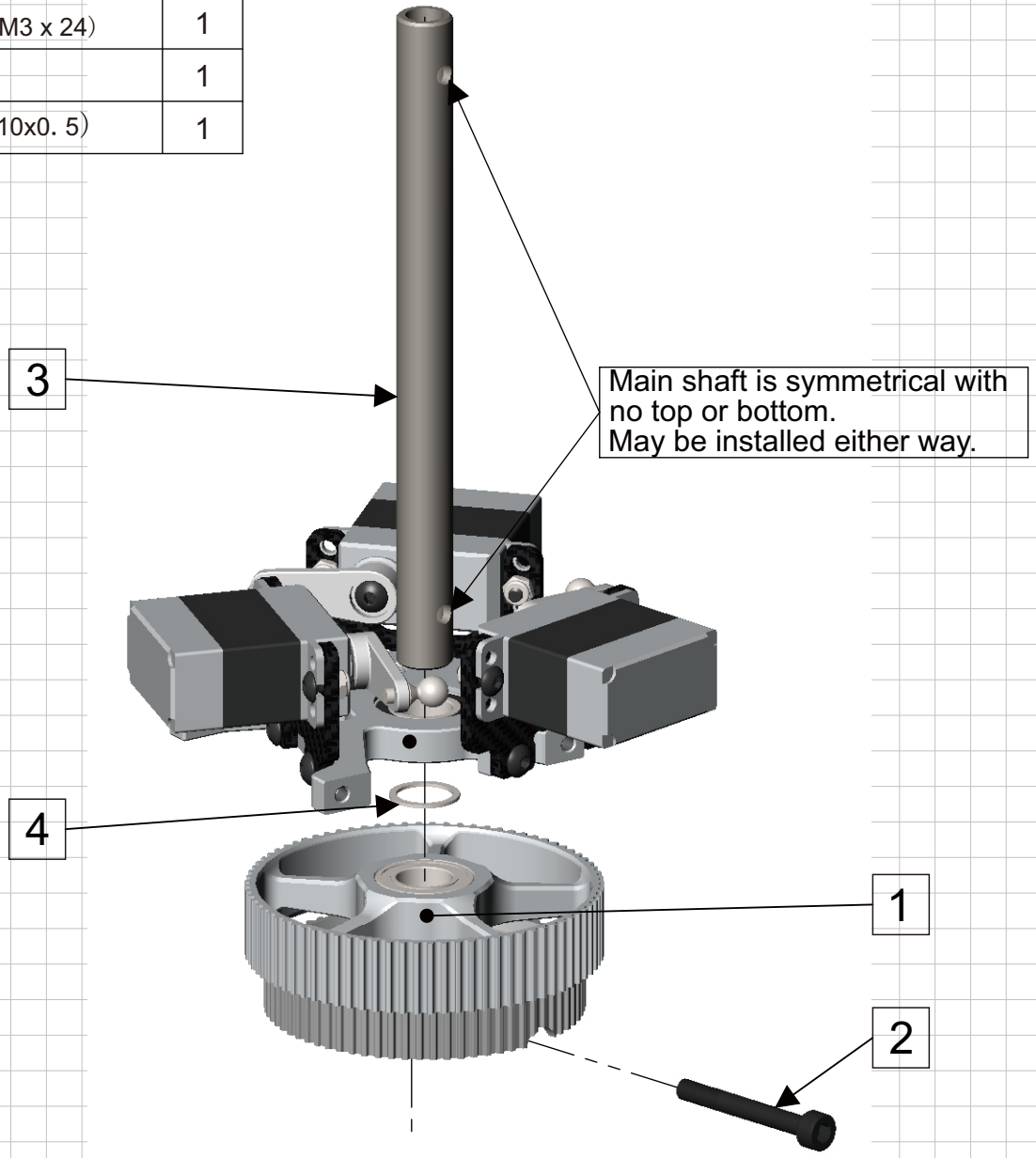
X2



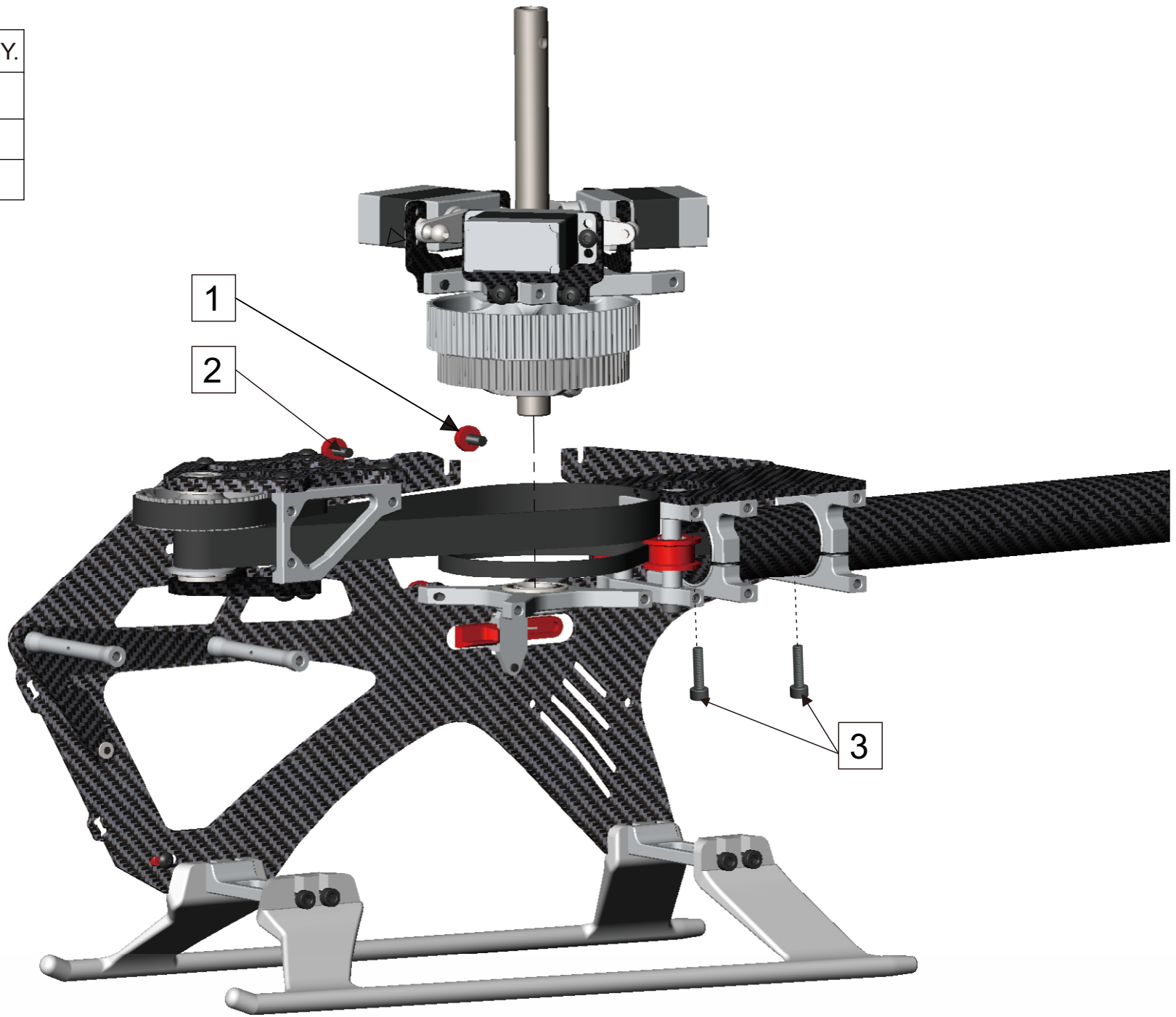
ITEM NO.	DESCRIP TION	QTY.
1	One way bearing（10x14x6）	1
2	Bearing （8x14x4）	1
3	First reduction gear（80T）	1
4	Bearing （10x15x4）	1
5	Auto-rotation gear (50t)	1
6	Shaft sleeve（10x14x6）	1

ITEM NO.	DESCRIP TION	QTY.
1	Parts From Step 1	1
2	CAP Screw (M3 x 24)	1
3	Main shaft	1
4	Washer （8x10x0. 5）	1

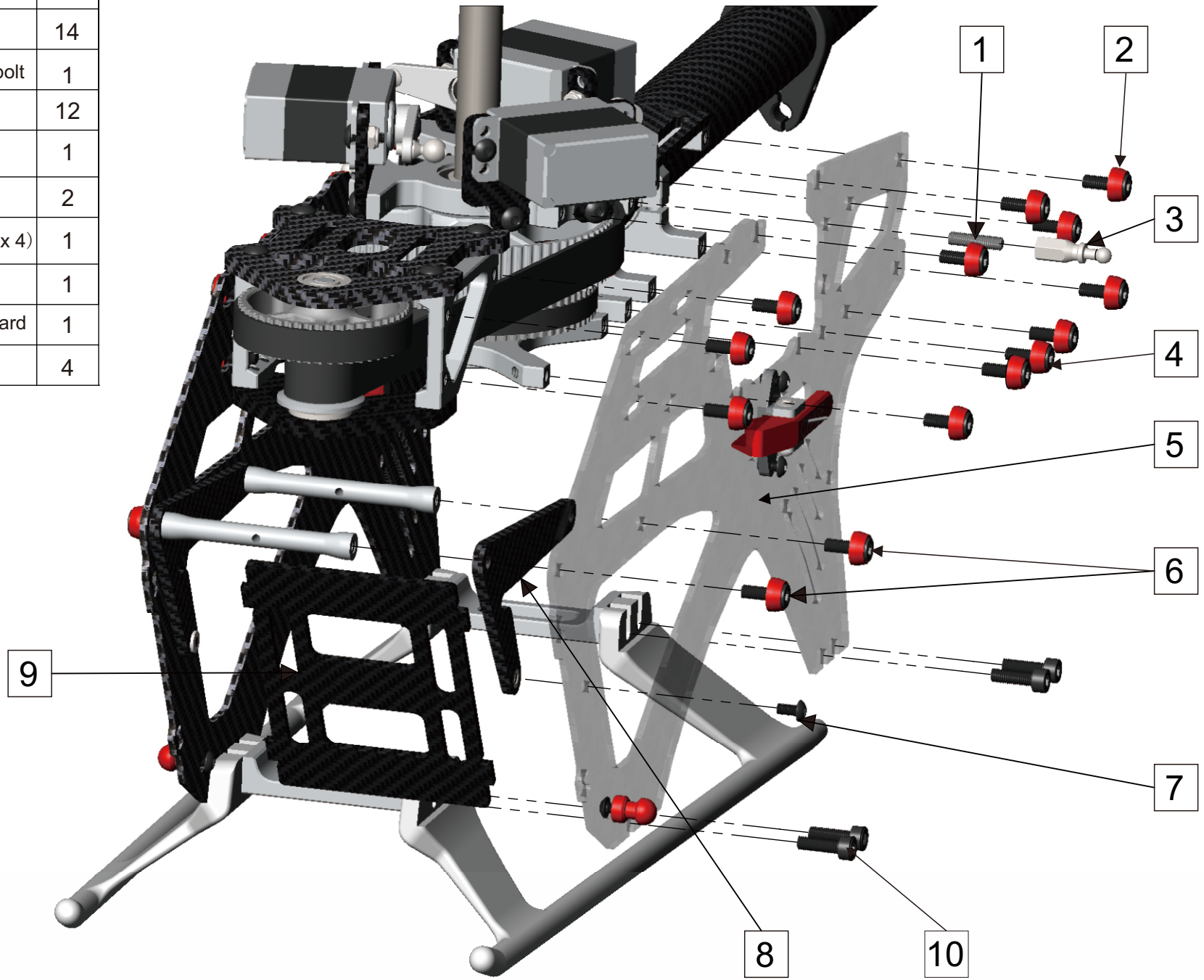




ITEM NO.	DESCRIP TION	QTY.
1	Frame Washer（Red）	2
2	CAP Screw (M2. 5 x 6）	2
3	CAP Screw (M2. 5 x 10）	2

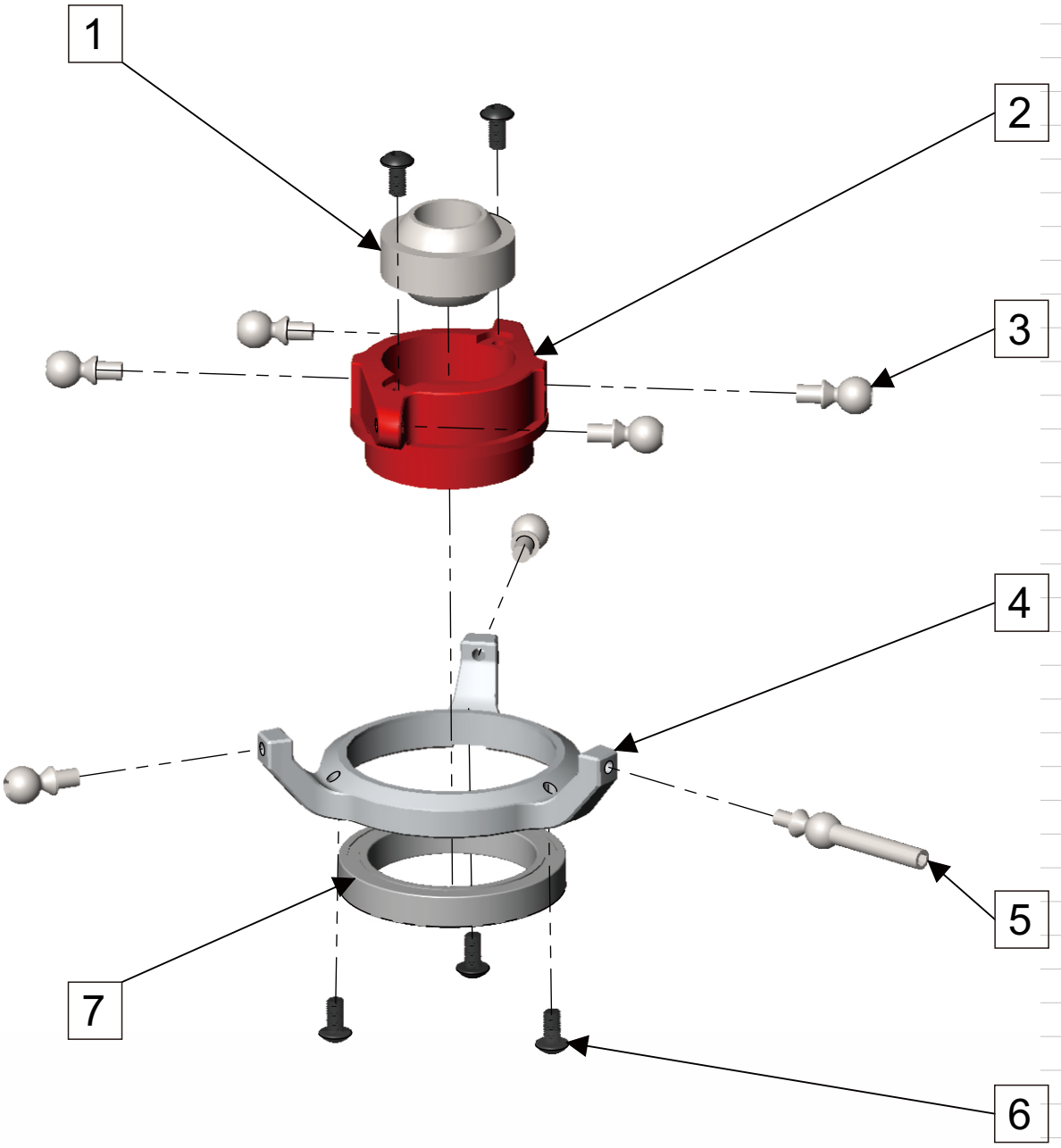


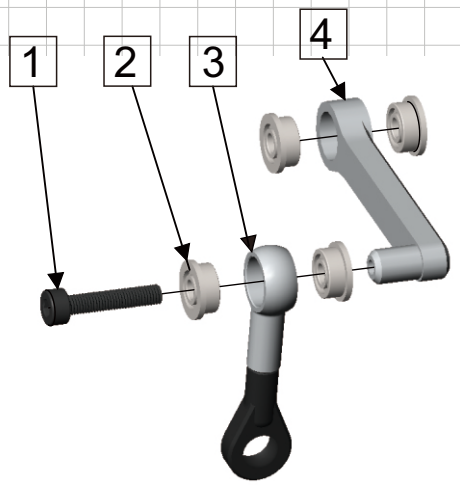
ITEM NO.	DESCRIP TION	QTY.
1	Set Screw （M2. 5x10）	1
2	Frame Washer （Red）	14
3	Rear canopy mounting bolt	1
4	CAP Screw (M2. 5 x 6）	12
5	Side frame	1
6	CAP Screw (M2. 5 x 8）	2
7	Round head screw (M2 x 4）	1
8	Lipo sliding rail left	1
9	CF front electronics board	1
10	CAP Screw (M2. 5 x 10）	4



ITEM NO.	DESCRIP TION	QTY.
1	Oscillating bearing	1
2	Swashplate Internal	1
3	Linkage ball A	6
4	Swashplate Outer ring	1
5	Swashplate mounting pin	1
6	Round head screw (M2 x 4)	5
7	Bearing (20x27x4)	1

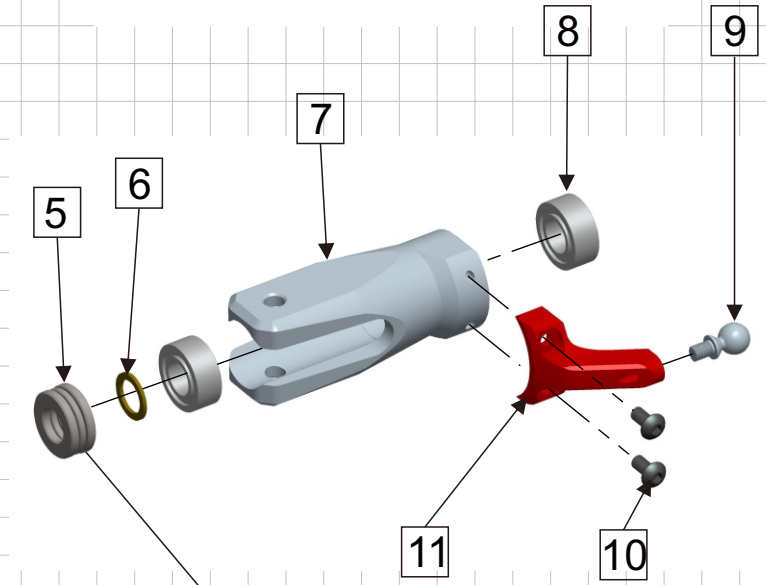
note : factory pre-assembled

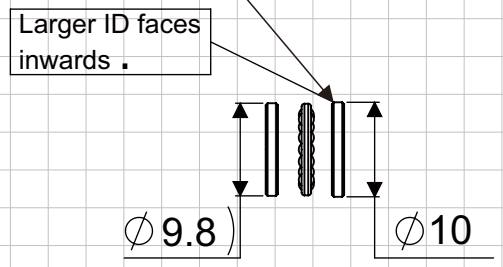




ITEM NO	DESCRIP TION	QTY.
1	CAP Screw (M2 x 10)	2
2	Bearings (2x5x2. 5)	8
3	Flybarless linkage arm	2
4	Flybarless swashplate control arm	2
5	Thrust bearing (F5-10M)	2
6	Washer (5x7x0. 5)	2
7	Main rotor holder	2
8	Bearings (5x10x4)	4
9	Linkage ball A	2
10	Round head screw (M2 x 4)	4
11	Main rotor branch control arm	2

ITEM NO	DESCRIP TION	QTY.
1	Washer (5x9x0. 8)	2
2	Damper rubber	2
3	Main rotor housing	1
4	Feathering shaft	1
5	Washer (2x5x0. 5)	2
6	Round head screw (M3 x 6)	2
7	Washer (3x8x0. 9)	2





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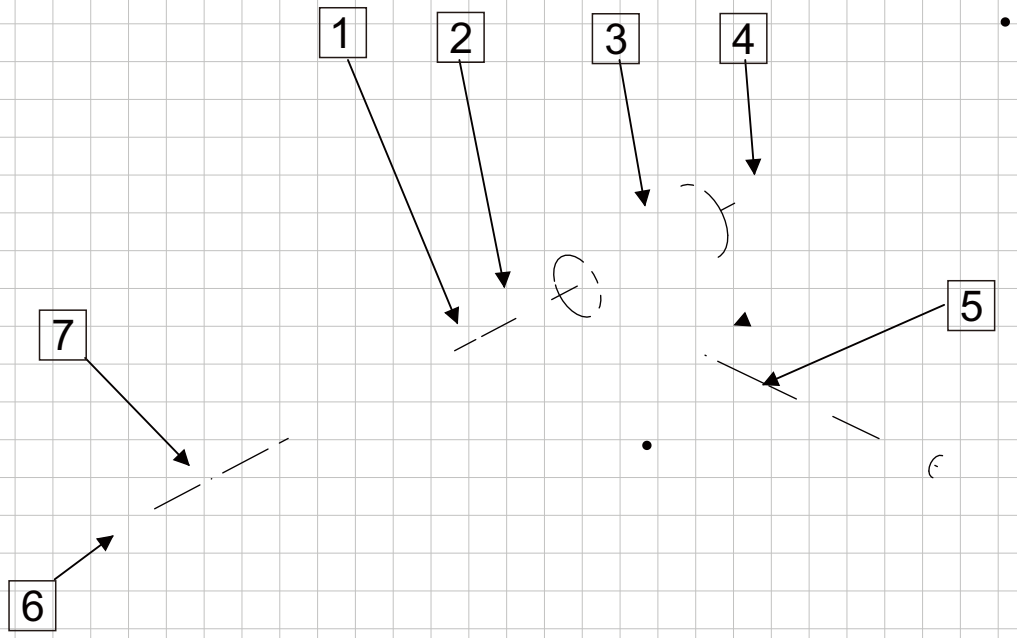
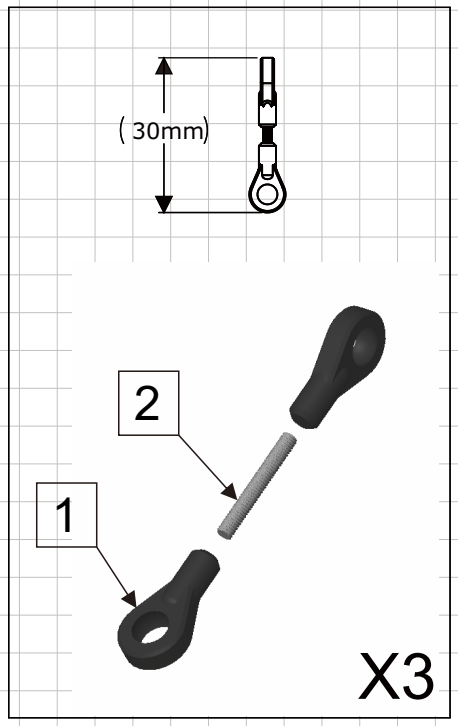
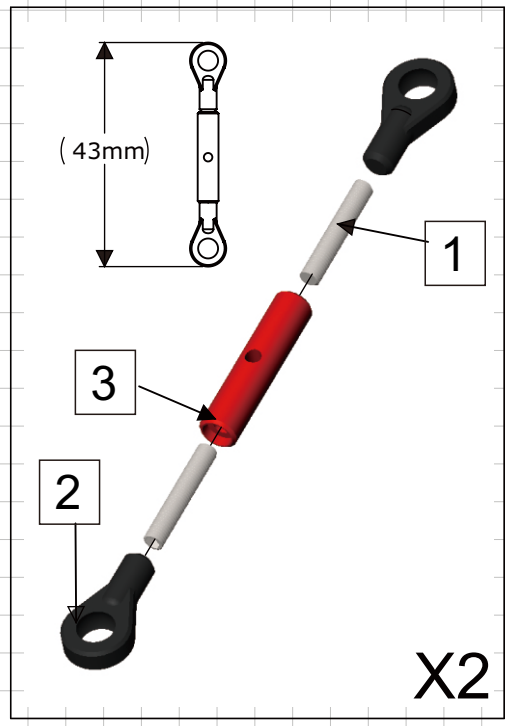


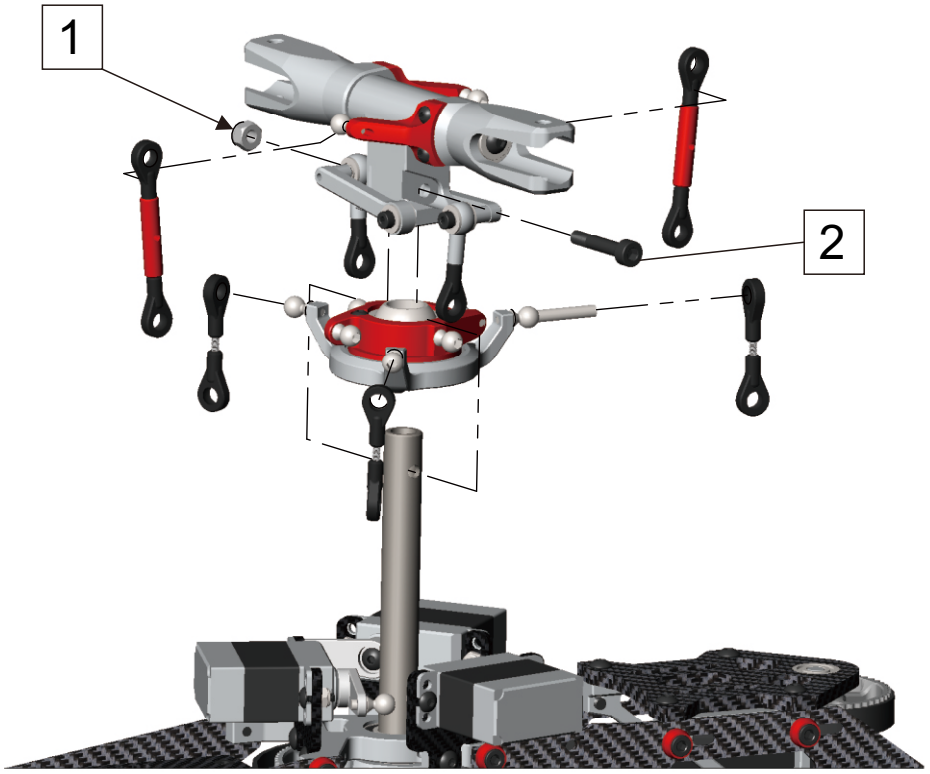
ITEM NO.	DESCRIP TION	QTY.
1	Ball link A	6
2	Linkage rod （15mm）	3

ITEM NO.	DESCRIP TION	QTY.
1	Set Screw （M2. 5x10）	4
2	Ball link B	4
3	Linkage rod （15mm）	2

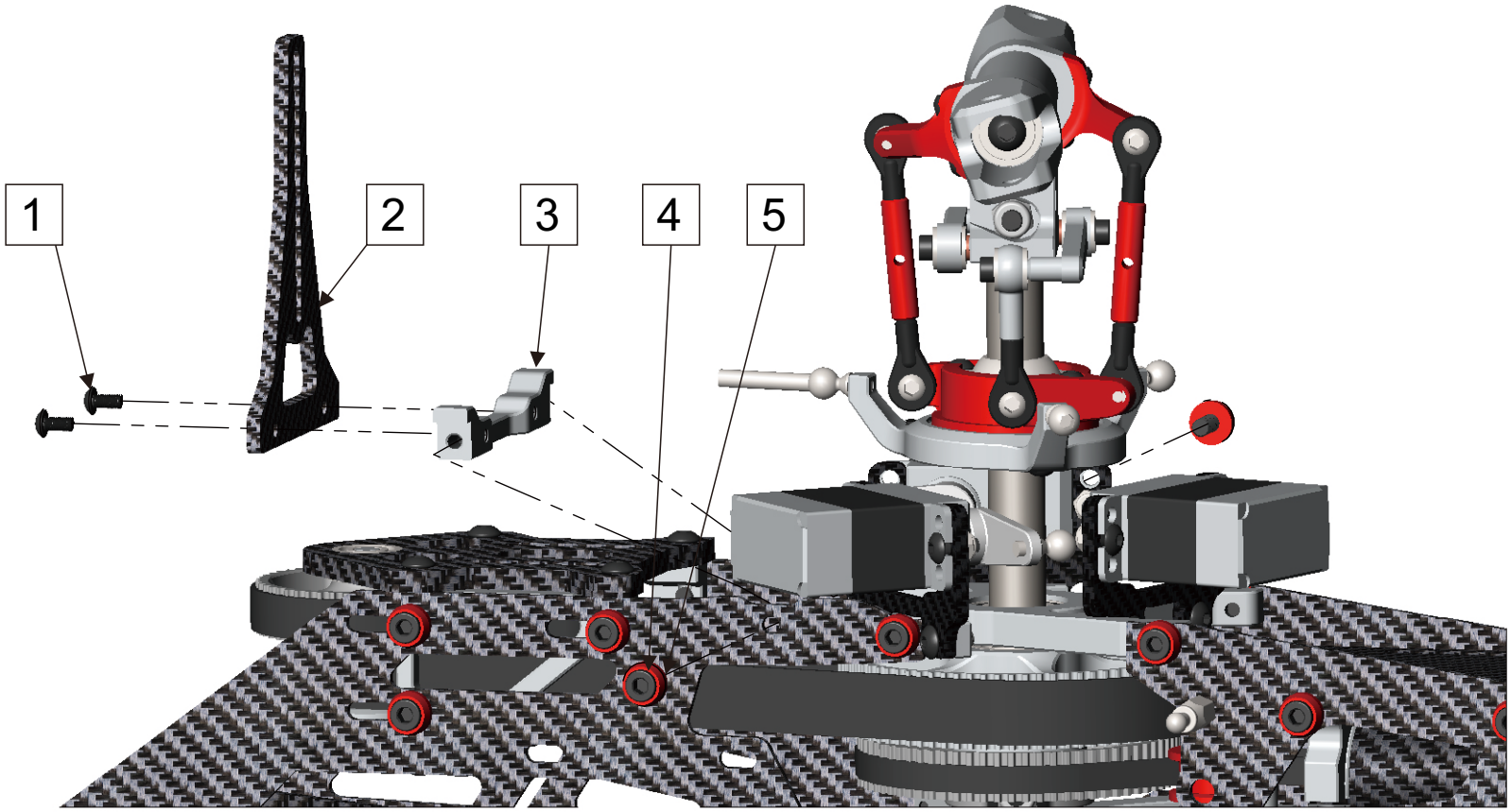
ITEM NO.	DESCRIP TION	QTY.
1	Lock Nut （M3）	1
2	CAP Screw (M3 x 16)	1







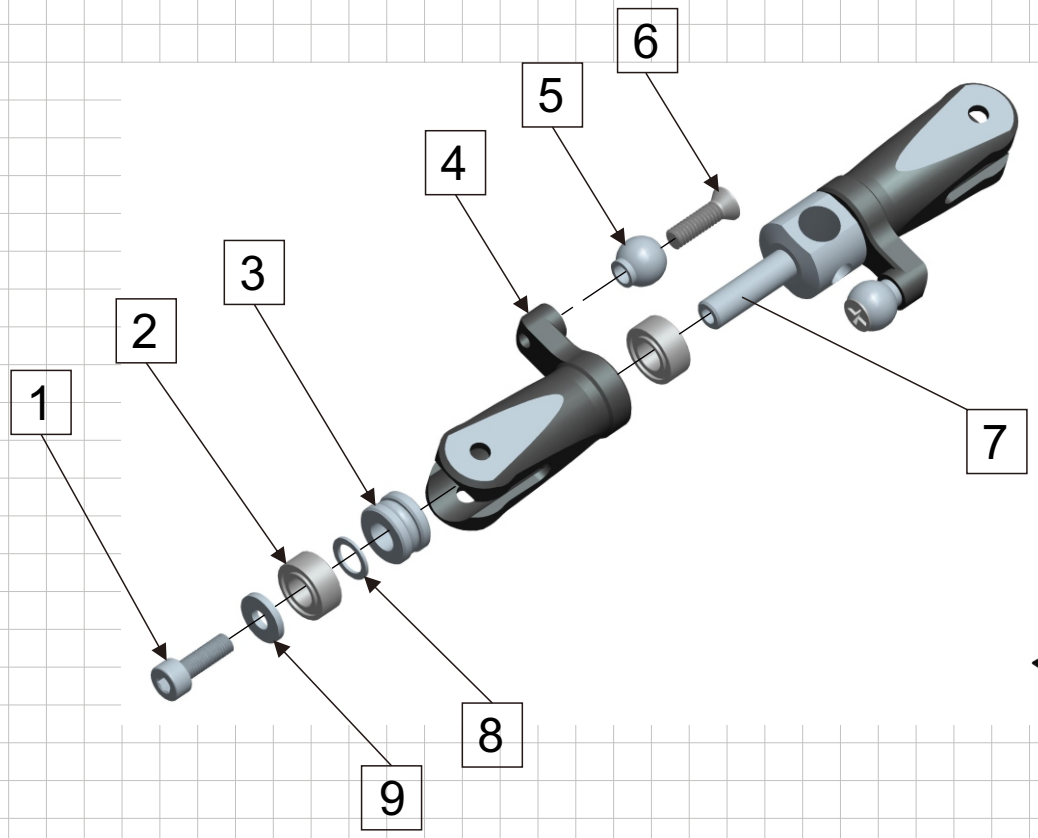
ITEM NO.	DESCRIP TION	QTY.
1	Round head screw (M2 x 6)	2
2	Anti-rotation bracket	1
3	Anti-rotation bracket mount	1
4	CAP Screw (M2. 5 x 6)	2
5	Frame Washer (Red)	2

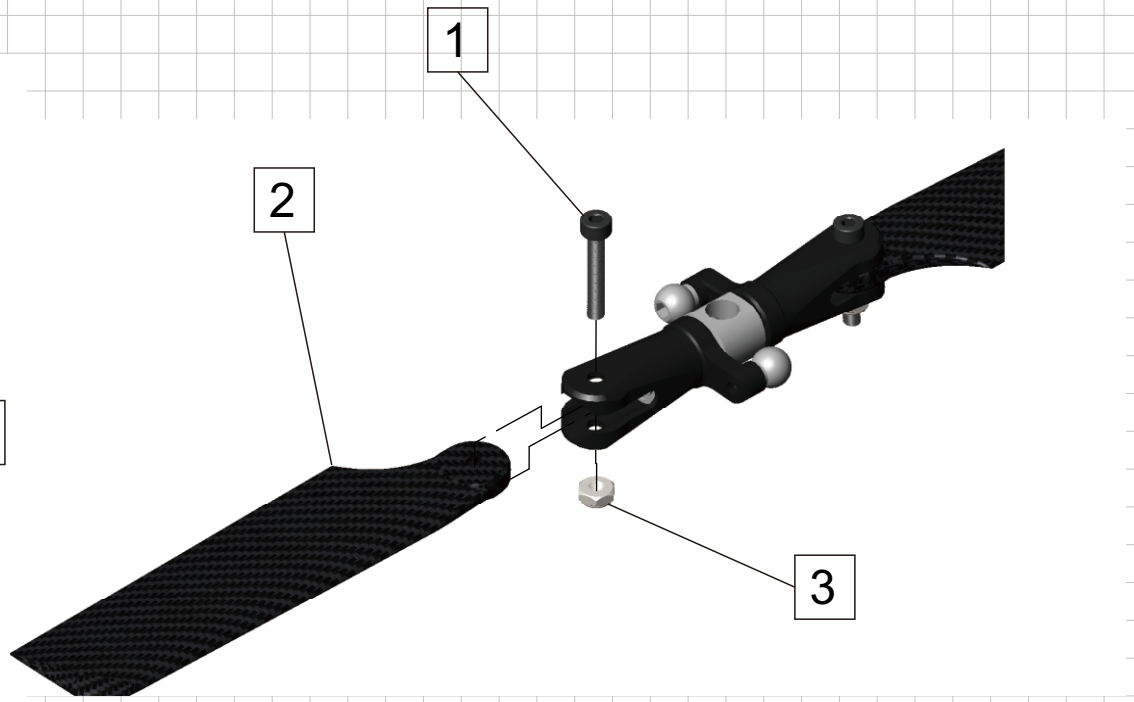


ITEM NO.	DESCRIP TION	QTY.
1	CAP Screw (M2 x 5)	2
2	Bearings (3x6x2. 5)	4
3	Thrust bearing (F5-10M)	2
4	Tail rotor holder	2
5	Linkage ball B	2

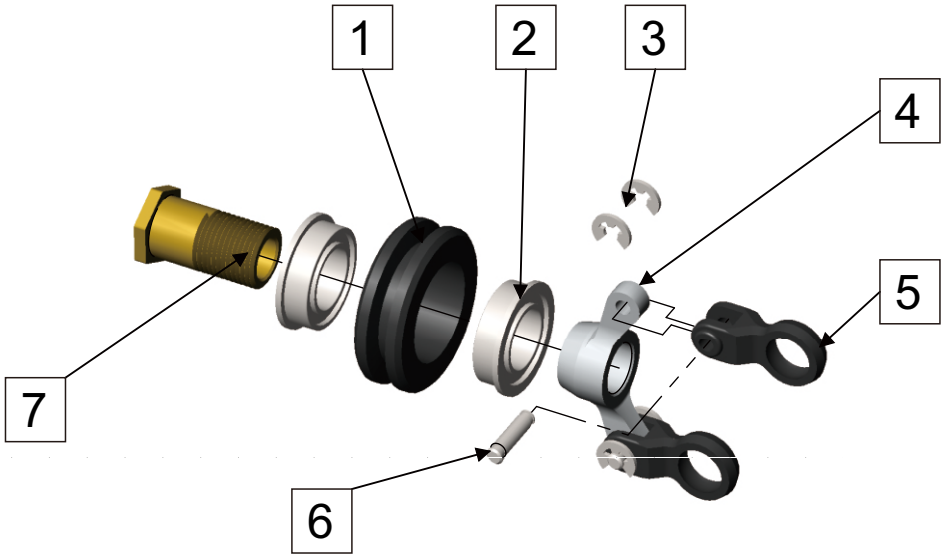
ITEM NO.	DESCRIP TION	QTY.
6	Flat head screw M2X7	2
7	Tail rotor T type holder	1
8	Washer (3. 1x4. 4x0. 3)	2
9	Washer (2. 1x5x0. 7)	2

ITEM NO.	DESCRIP TION	QTY.
1	CAP Screw (M2 x 12)	2
2	Tail blade	2
3	Lock Nut (M2)	2

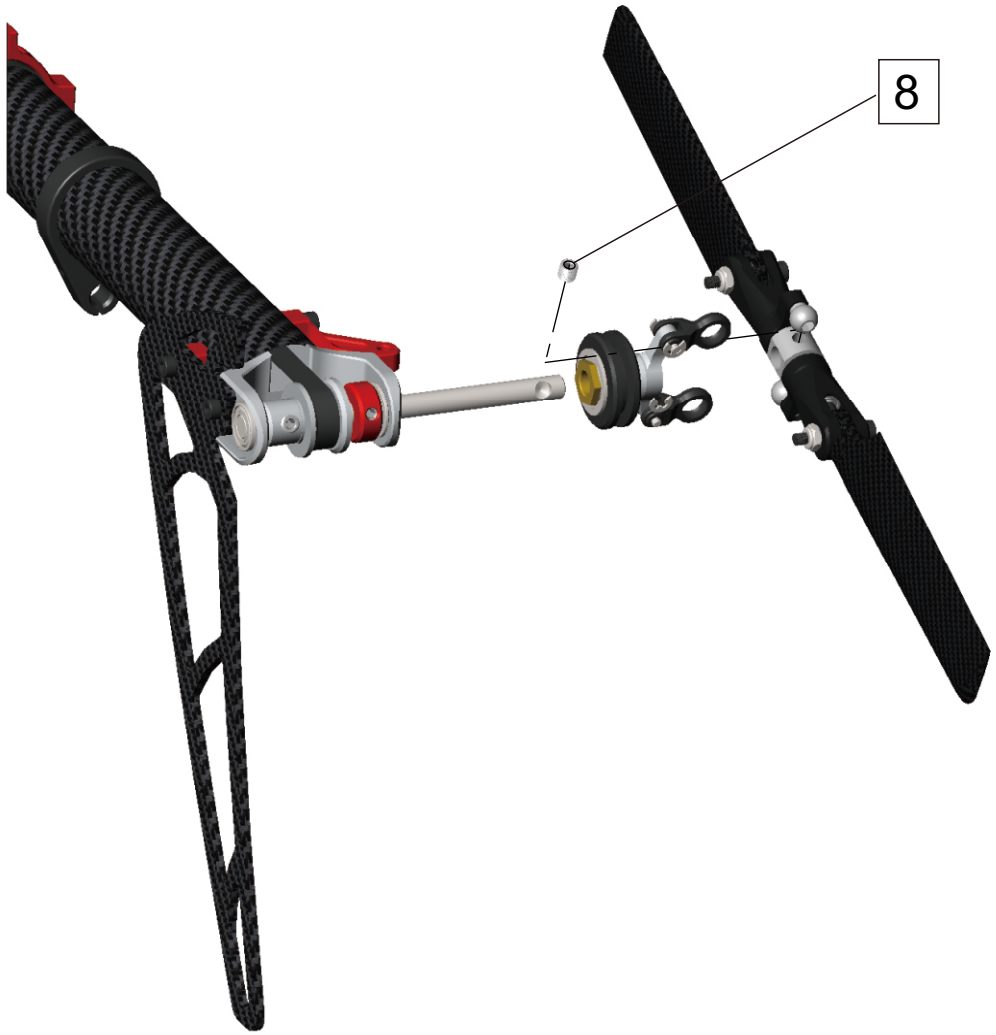


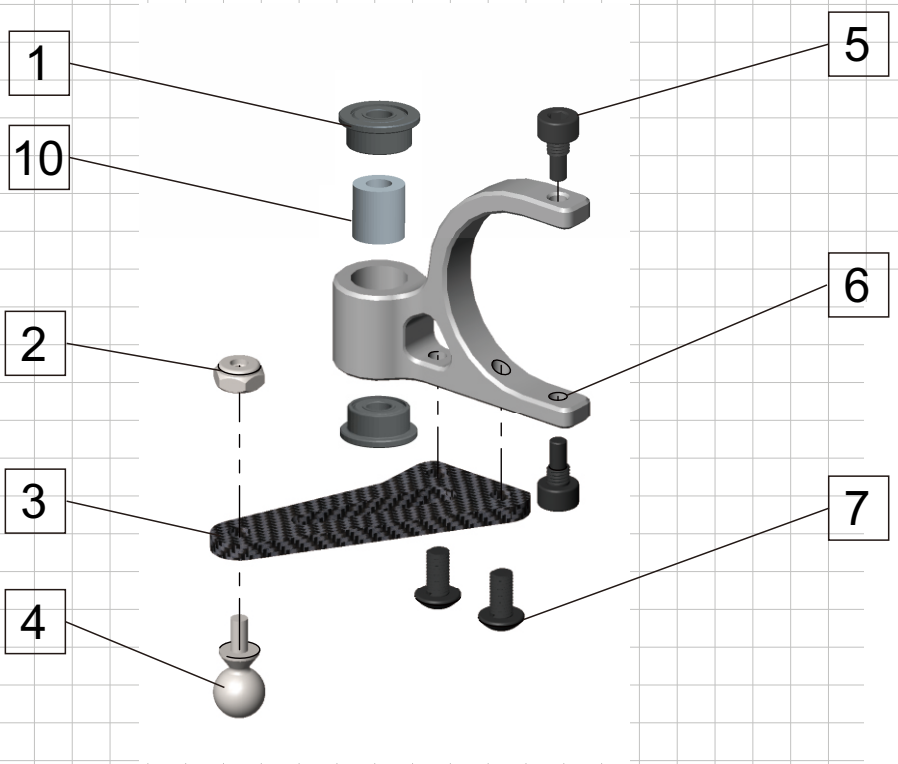


ITEM NO.	DESCRIP TION	QTY.
1	Tail push bearing mount	1
2	Bearings （6x10x3）	2
3	E - clip (1.5mm)	4
4	T type arm	1
5	Ball link for tail holder	2
6	Pin	2
7	Tail push bearing	1
8	Set Screw （M3x3）	1



Note : Factory pre-assembled

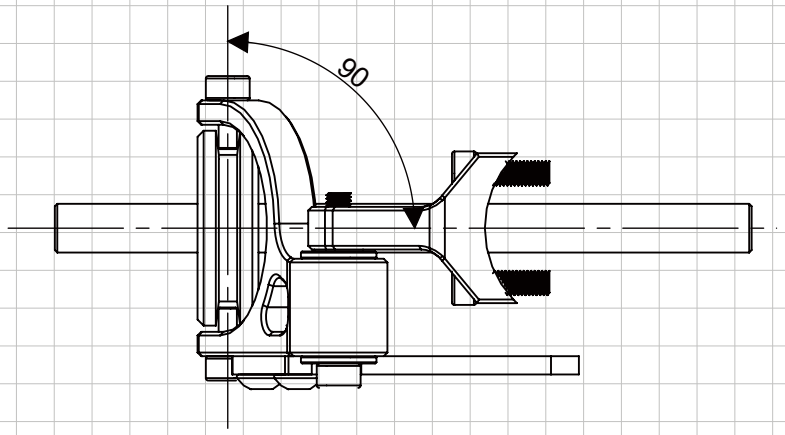


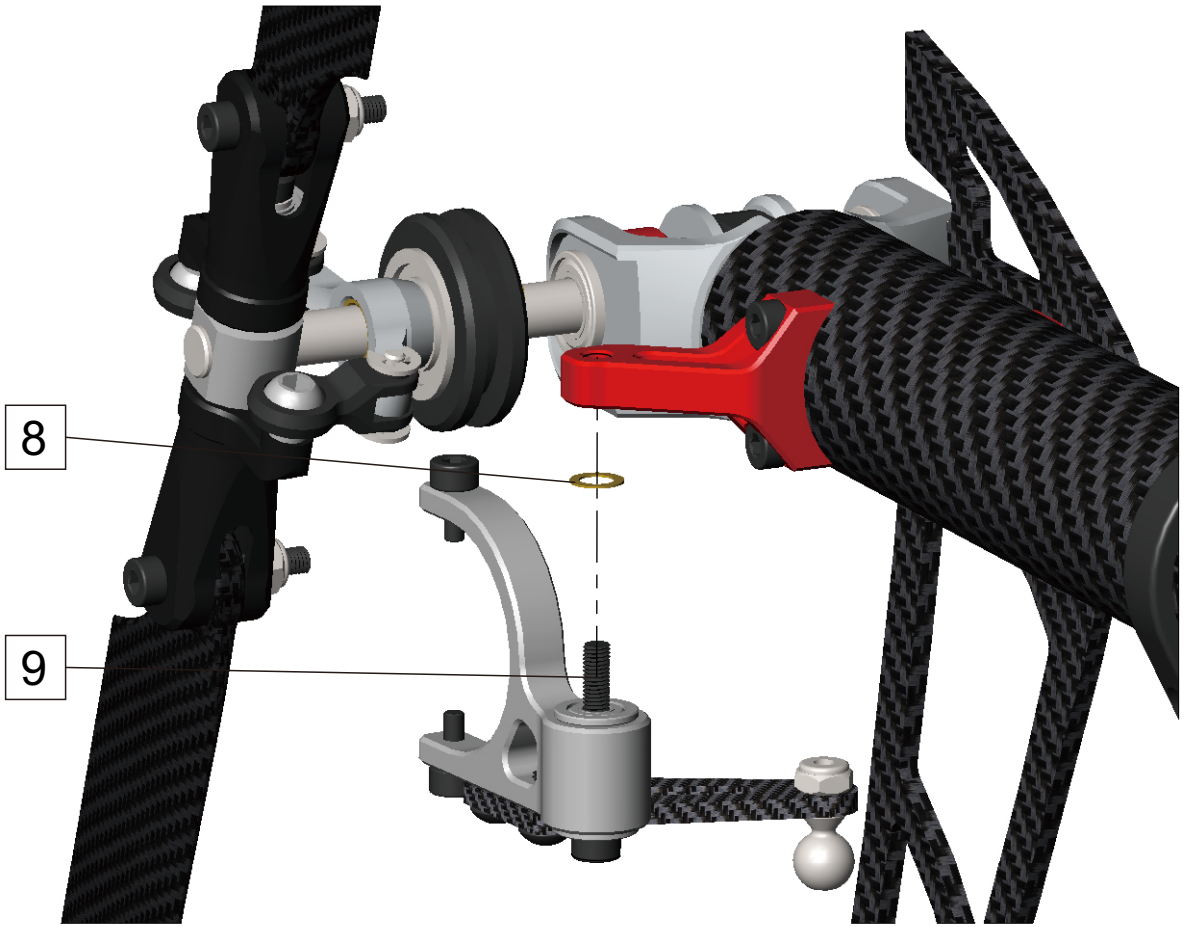


ITEM NO.	DESCRIP TION	QTY.
1	Flange Bearing (2x5x2. 5)	2
2	Lock Nut (M2)	1
3	Tail control arm	1
4	Linkage ball A	1
5	CAP Screw (M2 x 4)	2

ITEM NO.	DESCRIP TION	QTY.
6	Tail rocket arm	1
7	Round head screw (M2 x 4)	2
8	Washer (2x5x0. 5)	1
9	CAP Screw (M2 x 14)	1
10	Bearing spacer	1

Check that the pitch slider fork is square to the shaft and the slider does not bind. loosen bolts and adjust if required.





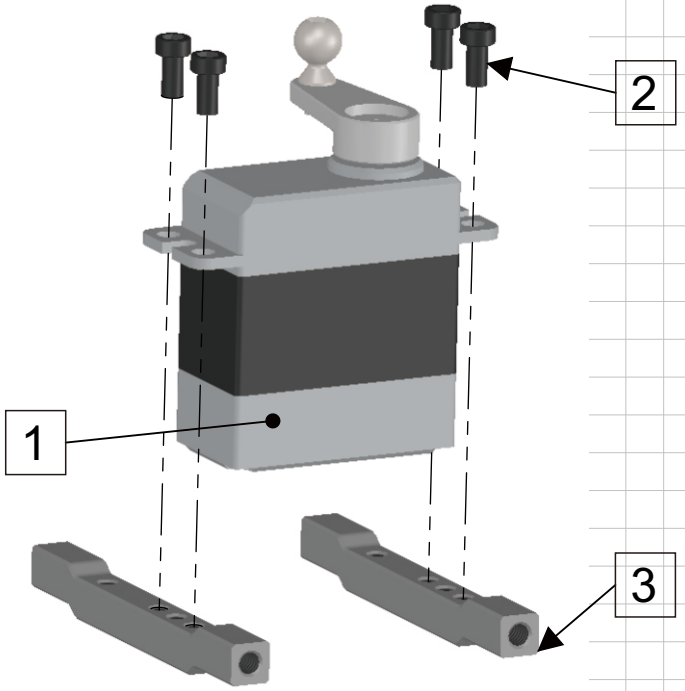
ITEM NO.	DESCRIP TION	QTY.
1	Tail Servo	1
2	CAP Screw (ST2 x 6)	4
3	Servo Mount	2

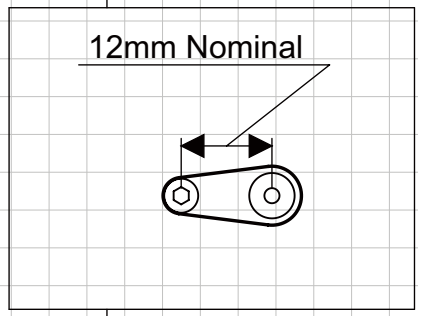
The Chase 360 has 2 Tail servo location options,

1. At the front, high in the frame for the lowest moment of inertia and optimal CG.
2. Under the tail boom at the rear of the frame.

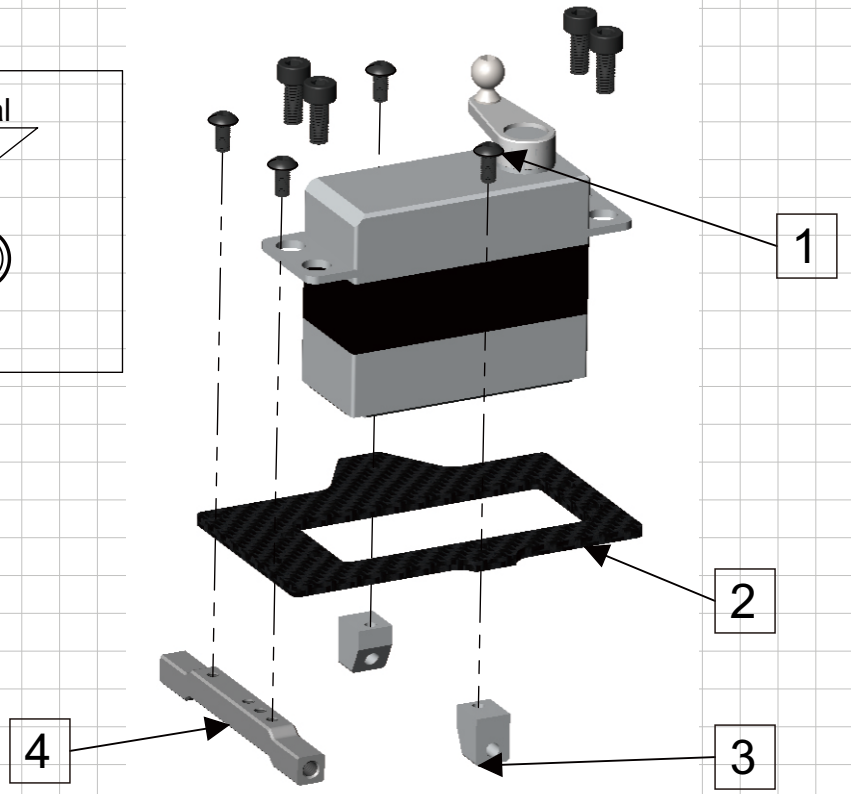
ITEM NO.	DESCRIP TION	QTY.
1	Round head screw (M2 x 4)	4
2	Tail Servo Fixed plate	1
3	Tail Servo mount	2
4	Servo spacer	1

Front servo mount option. Micro servo ONLY.

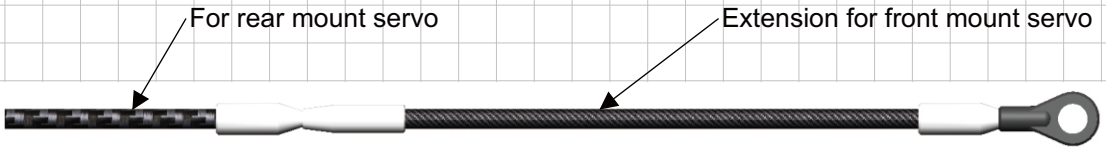


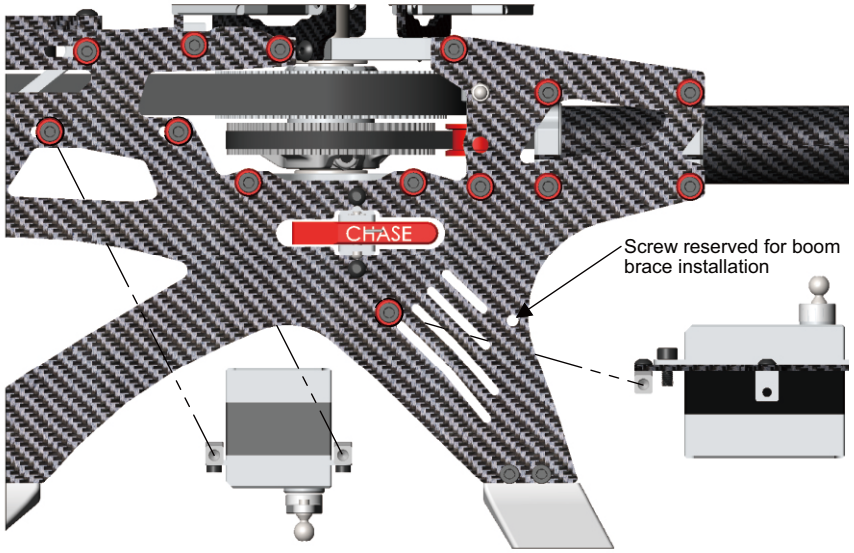


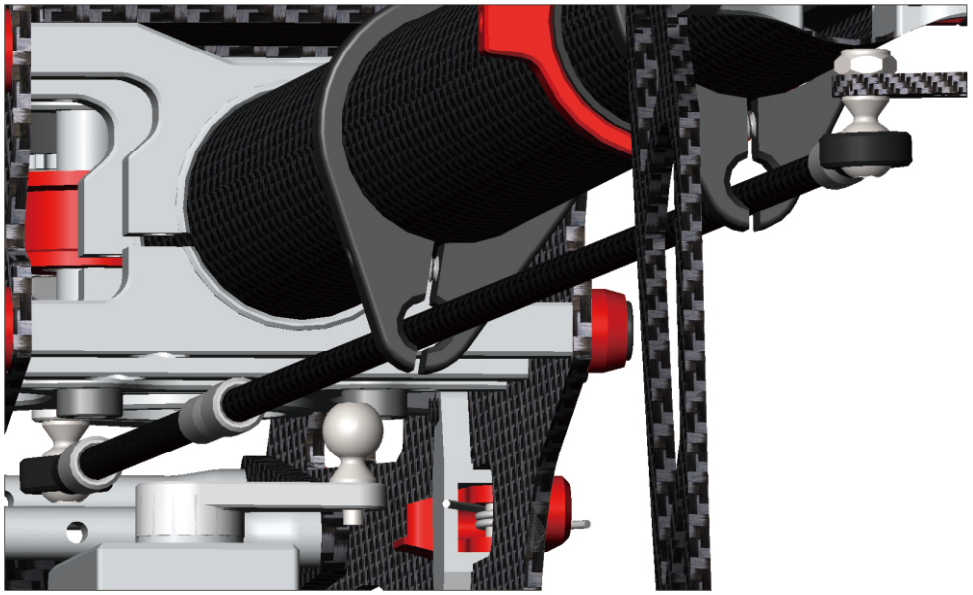
Rear servo mount option. Mini or Micro servo



Build the tail pushrod to suit your desired servo location

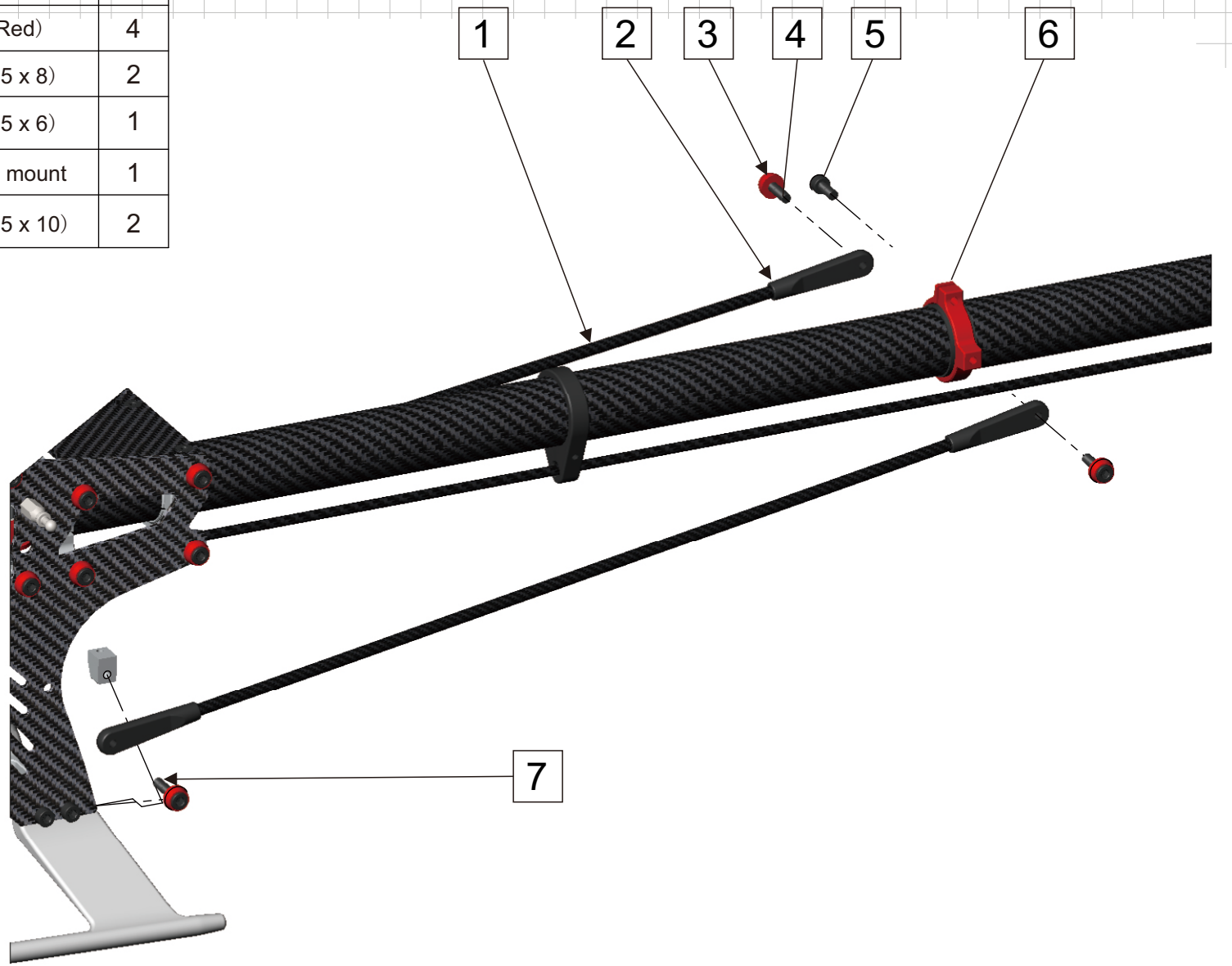






ITEM NO.	DESCRIP TION	QTY.
1	Tail boom brace	2
2	Tail boom brace end	4
3	Frame Washer（Red）	4
4	CAP Screw (M2. 5 x 8)	2
5	CAP Screw (M2. 5 x 6)	1
6	Tail boom brace mount	1
7	CAP Screw (M2. 5 x 10)	2

Note :the boom brace may be mounted in multiple locations.



PARTS LIST 1

Main rotor holder grips
KC-360-001

2 x Main rotor head

Main rotor holder arm
KC-360-002

2 x Main rotor holder arm

Main Rotor head block Housing
KC-360-003

1 x Main Rotor head block Housing

Main rotor paddle clip
KC-360-004

2 x Main rotor paddle clip

Washout control arm
KC-360-005

2 x Washout control arm

Radius arm
KC-360-006

2 x Radius arm

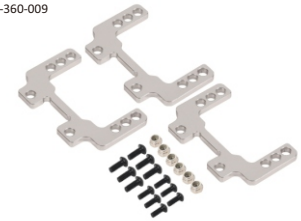
Complete Swashplate
KC-360-007

1 x Swashplate (complete)

Main Shaft Upper Bearing block mount
KC-360-008

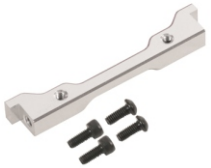
1 x Main Shaft Upper Bearing block mount

Servo mount
KC-360-009



3 x Servo mount

Swash rail mount
KC-360-010



1 x Swash rail mount

Motor mount bracket
KC-360-011

2 x Motor mount bracket

Upper Motor block
KC-360-012

1 x Upper Motor block

Second reduction gear mount
KC-360-013

1 x Second reduction gear mount

Shaft sleeve
KC-360-014

1 x Shaft sleeve

Battery tray block
KC-360-015

2 x Battery tray block

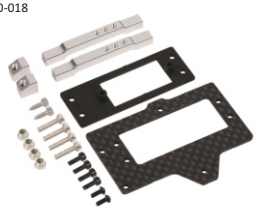
Pulley holder
KC-360-016

2 x Pulley holder

Pulley
KC-360-017

2 x Pulley

Rudder servo mount
KC-360-018



1 x Rudder servo mount

Slide panel
KC-360-019

2 x Slide panel

Main Shaft
KC-360-020

1 x Main Shaft

Pitch connecting arm
KC-360-021

1 x Pitch connecting arm

Tail Shaft
KC-360-022

1 x Tail Shaft

Feathering shaft Dampers
KC-360-023

1 x Feathering shaft Dampers

The first level belt
KC-360-024-W

1 x The first level belt 2GT-7.5mm

PARTS LIST 2

The second level belt 147MXL-9mm
KC-360-025

1 x The second level belt 147MXL-9mm

Tail belt 522MXL-4mm
KC-360-026

1 x Tail belt 522MXL-4mm

Motor pinion gear18T
KC-360-027-W

1 x Motor pinion gear18T

Motor pinion gear19T
KC-360-028-W

1x Motor pinion gear19T

First reduction gear50T
KC-360-029-A

1 x First reduction gear50T

Second reduction gear 18T
KC-360-030

1 x Second reduction gear 18T

Main gear 80T
KC-360-031

1 x Main gear 80T

Auto rotation gear 71T metal
KC-360-032-A

1 x Auto rotation gear 71T metal

Tail shaft spiral bevel gear (umbrella gear) 15T
KC-360-033

1 x Tail shaft spiral bevel gear (umbrella gear) 15T

CF frame plate
KC-360-034

2 x CF frame plate

CF front interval palte board
KC-360-035

2 x CF front interval palte board

CF Bottom plate
KC-360-036

1 x CF Bottom plate

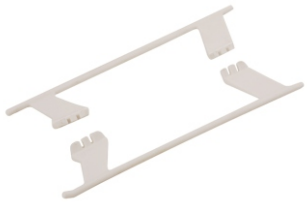
Tail boom mount
KC-360-037

2 x Tail boom mount

CF vertical stabilizer
KC-360-038

1 x CF vertical stabilizer

Landing gear
KC-360-039



2 x Landing gear

Landing gear mount
KC-360-040

2 x Landing gear mount

Tail gear box
KC-360-041

1 x Tail gear box

Tail picth Slider
KC-360-042

1 x Tail picth Slider

Tail Pitch Assembly
KC-360-043

1 x Tail Pitch Assembly

Tail rotor holder
KC-360-044

1 x Tail rotor holder

Tail Rotor Hub
KC-360-045

1 x Tail Rotor Hub

Tail boom support
KC-360-046

2 x Tail boom support

Tail pitch linkage rod
KC-360-047

2 x Tail pitch linkage rod

Swashplate anti-rotation bracket
KC-360-048

1 x Swashplate anti-rotation bracket

PARTS LIST 3

Canopy mounting bolt
KC-360-049

2 x Canopy mounting bolt

Main frame mount
KC-360-050

2 x Main frame mount

Linkage Ball Set
KC-360-051

10 x Linkage Ball Set

Ball link set
KC-360-052

1x Ball link set

Tail boom brace mount
KC-360-053

1 x Tail boom brace mount

CF Tail boom
KC-360-054

1 x CF Tail boom 425mm

Alu Tail Boom 425mm
KC-360-054-L

1 x Alu Tail Boom 425mm

Tail boom brace mounting ring
KC-360-055

1 x Tail boom brace mounting ring

CF Tail Pitch connecting piece
KC-360-056

1 x CF Tail Pitch connecting piece

Tail shaft locking collers ring
KC-360-057

2 x Tail shaft locking collers ring

Frame aluminum anodise washers set
KC-360-058

10 x Frame aluminum anodise washers set

Blade holder
KC-360-059

1 x Blade holder

Washers set
KC-360-060

1 x Washers set

Screw set
KC-360-061

1 x Screw set

Main Shaft Under Bearing block mount
KC-360-062

1 x Main Shaft Under Bearing block mount

Vertical stabilizer mount & Pitch slider bracket
KC-360-063

1 x Vertical stabilizer mount & Pitch slider bracket

Tail shaft spiral bevel gear (umbrella gear) 17T
KC-360-064

1 x Tail shaft spiral bevel gear (umbrella gear) 17T

one-way 10*14*8
KC-360-065

1 x one-way

Thrust bearing F3-16M
KC-360-066

1 x Thrust bearing F3-6mm

Thrust bearing F5-10M
KC-360-067

1 x Thrust bearing F5-10mm

Flange bearing
KC-360-068

1 x Flange bearing 2*5*2.5

Flange bearing
KC-360-069

1 x Flange bearing 4*8*3

Flange bearing
KC-360-070

1 x Flange bearing 4*10*4

Flange bearing
KC-360-071

2 x Flange bearing 6*10*3

PARTS LIST 4

Bearing
KC-360-072

2 x Bearing 3*6*2.5

Bearing 3*7*3
KC-360-073

2 x Bearing 3*7*3

Bearing
KC-360-074

10 x Bearing 5*10*4

Bearing
KC-360-075

1x Bearing 8*14*4

Bearing
KC-360-076

1 x Bearing 8*16*5

Bearing
KC-360-077

1 x Bearing 10*15*4

Chase Main blade
KC-360-078

1 x Chase Main blade 360mm

Tall blade 62MM
KC-360-079

1 x Tall blade 62mm

Canopy
KC-360-090

1 x Canopy

REGULAR MAINTENANCE

Regular maintenance is required to keep the KDS AGILE 5.5 helicopter in optimal and safe flying condition. The model requires precise configuration of the components and settings to be kept by the owner. Maintain regular maintenance on the model to avoid accidents or loss, and optimum performance.

MAINROTOR CHECKLIST

1. Main Rotor Housing: when the main rotor housing is worn or faulty, there will be obvious vibration and poor flight control. Check the main rotor, main shaft, and feathering shaft for wear or deformity. Replace parts as necessary to eliminate imbalance.
2. O-Rings:The O-Rings will lose their elasticity over time. This will cause excess play on rotor and cause instability. Replace them as needed.
3. Main Rotor Holder: When the helicopter dose not fly or reacts sluggishly, even after checking for proper setting of pitch and throttle, check the following items: Plastic parts, Bearings, Ball bearings, Rotor Blades.
   Check for excess play or broken parts, or binding or restricted movement. It is important to check for main rotor balance before each flight. Operating the model when out of balance will cause excessive wear and premature failure of parts, possibly resulting in a dangerous situation.
4. Control Arm Assembly: Check regularly for cracked, worn, bent or binding control arms and pushrods. Smooth morement of control arms and linkages is required for stable, vibration free flight.
5. Swashplate:Check for excess slop in the main ball where the main shaft rides on, and slop or looseness between the plastic and metal surfaces. Swashplate wear will result in poor stability and lack of control during flight. Replace them as necessary.

FUSELAGE/CHASSIS

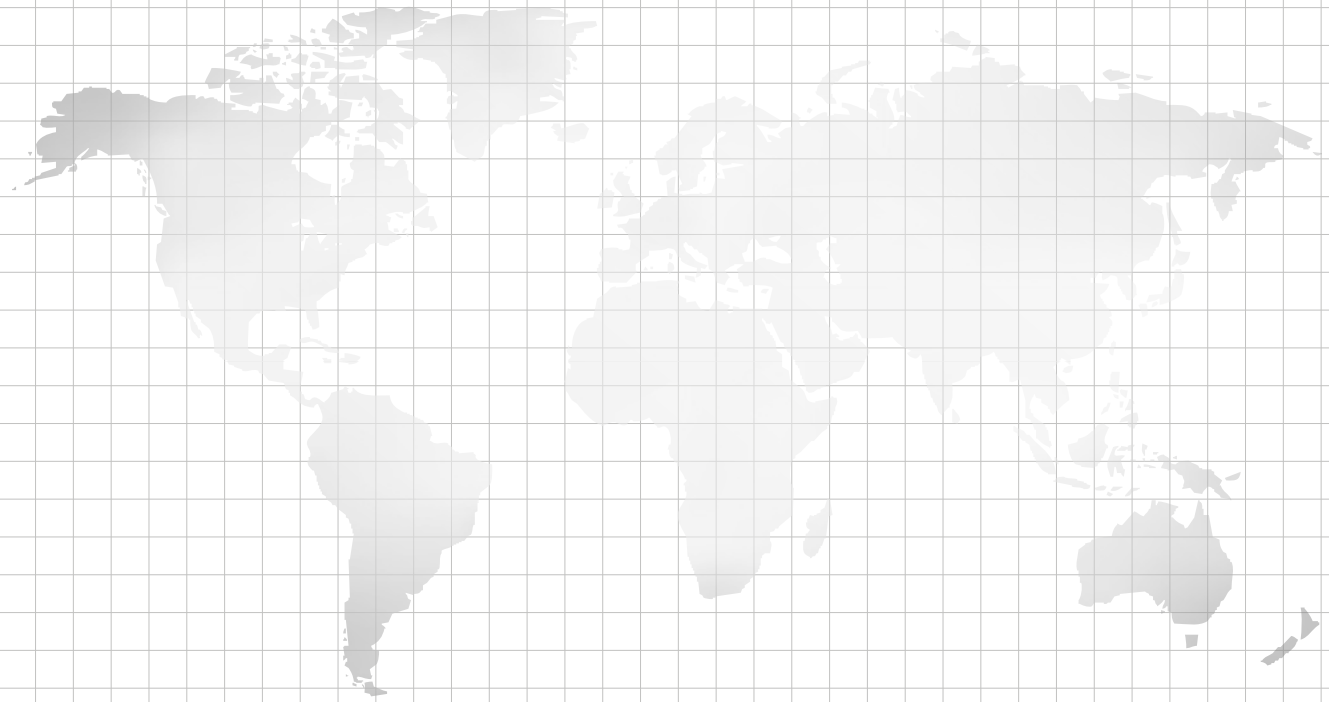
1. Main Shaft Bearing: Normal replacement interval for proper operation is between 60-100 flights. If flying 3D or extreme aerobatics often, inspect the bearing more frequently and shorten the interval as necessary.
2. One-way Bearing: One-way bearings have longer lifetimes. Failure is not common. To keep the one-way bearing in good operation, remove it to clean and lubricate after every 50 flights. If the main drive gear is loose, you should replace the one-way bearing.
3. Drive Belt: Agile and KDS uses only top quality, stretch-proof belts. It is however, impossible to prevent the belt from stretching or wearing out. Check belt tension regularly, and check for the wear on the teeth. Replace it as necessary.

LINKAGE RODS&CONNECTING PARTS

During assembly, take special care to keep the connecting parts in smooth operation, and avoid excess play or binding. Failure to do so will result in poor flight stability. The linkage rods and ends will break and wear due to normal usage, crashing, and poor maintenance and environment. Check for wear and proper operation regularly,replace them as needed.

TAIL ROTOR SYSTEM

1. Tail Rotor Control Set: Check the tail rotor bearing regularly. If there is excess play or gaps, replace it immediately. Avoid any binding or improper contact on the tail components and bearings as this will cause excess wear and heat, potentially melting or deforming the tail system.
2. Tail Unit Assembly: Avoid flying in tall grass or weeds. If grass or weed becomes lodged in the tail rotor unit, it will interfere with the operation, and cause the helicopter to lose control. Always check for foreign objects in the tail and clean them off immediately. Avoid using lubricants on the exposed surfaces of the model as it will attract and collect dirt and debris, and cause failure.
3. Tail Rotor Housing: Disassemble tail totor housing for cleaning and maintenance after every 50 flights. If the tail does not operate smoothly or shows any signs of stress or wear, please replace immediately.
4. Tail Rotor: Check the tail rotor blades regularly for damage, especitlly if the helicopter ever strikes the ground while flying, or after hard landings. Damaged tail rotor blades can induce vibration.



CHASE 360 HELICOPTER

... it's time to fly different!!!

Version No*: *20150315