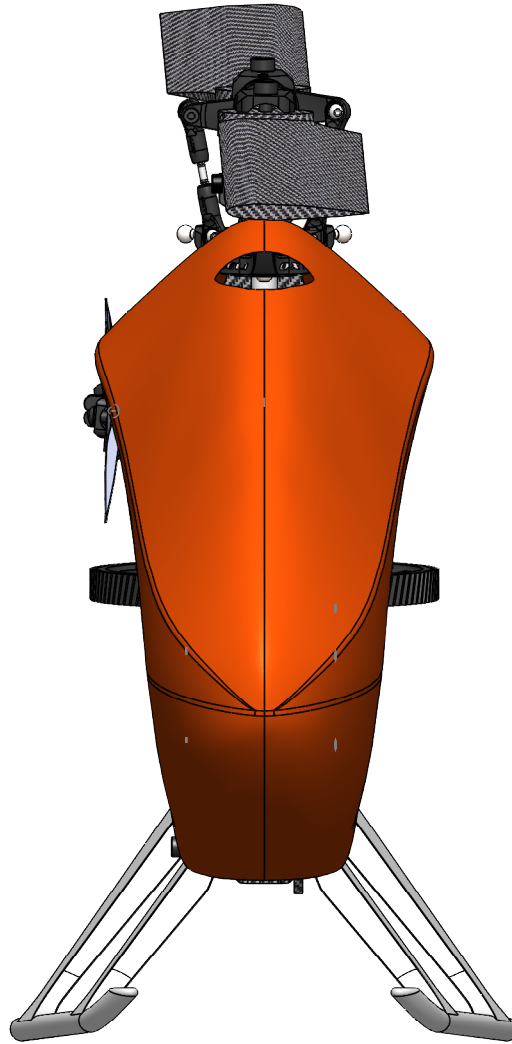


OXY4 MAX

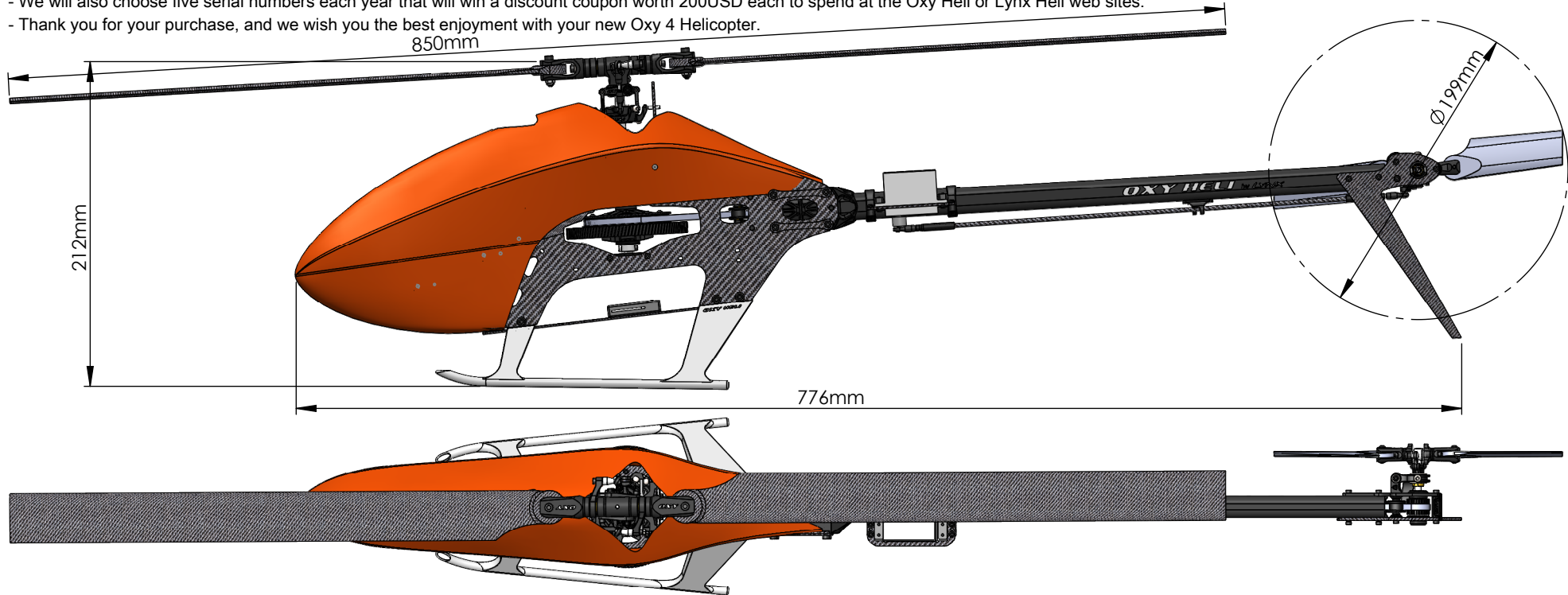
380-Instruction Manual



Chapter 1 - Specifications	page 2
Chapter 2 - Important Notes	page 3
Chapter 3 - Required Tools for Assembly	page 4
Chapter 4 - What's Inside The Box	page 5 - 6
Chapter 5 - Pinion Selection & RPM	page 7
Chapter 6 - Tail Assembly	page 8 - 13
Chapter 7 - Main Frame Assembly	page 14 - 18
Chapter 8 - Align and Lock Frame Panel	page 19
Chapter 9 - Transmission Assembly	page 20-21
Chapter 10 - Belt Tension & Adjustment	page 22
Chapter 11 - Main Rotor Assembly	page 23-25
Chapter 12 - ESC Installation	page 26
Chapter 13 - Flybarless Installation	page 27
Chapter 14 - Servo & Servo Rod Preparation	page 28
Chapter 15 - Cyclic Servo Installation	page 29
Chapter 16 - Tail Servo Installation	page 30
Chapter 17 - Landing Gear & Battery Installation	page 31
Chapter 18 - Main & Tail Blades Installation	page 31
Chapter 19 - Adjustment Servo with Leveler	page 32-33
Chapter 20 - Exploded View	page 34-37

VERY IMPORTANT NOTE:

- Visit the Oxy Heli web site www.oxyheli.com to download the latest version of the manual.
- Inside Box 3 you will find your serial number card. Please take a moment to visit the Oxy Heli web site and follow the instructions to register your helicopter and serial number.
- It is important you take few minutes to register your helicopter and serial number with us. This is the only way to be in contact with us to receive news, promotional information and technical tips.
- We will also choose five serial numbers each year that will win a discount coupon worth 200USD each to spend at the Oxy Heli or Lynx Heli web sites.
- Thank you for your purchase, and we wish you the best enjoyment with your new Oxy 4 Helicopter.



-Standard main rotor diameter	: 850mm (with 383mm blades).
-Standard main blade length	: 383mm
-Main Grip Clamping	: M3 / 6 mm root.
-Standard tail rotor diameter	: 199 mm.
-Standard tail blade length	: 70 mm.
-Standard Main Pulley	: 88T
-Standard tail Pulley	: 24T
-Tail Blade Clamping	: M2.5 / 3 mm root.
-Weight	: 800g (ready to fly excluding batteries)
-Maximum motor size	: diameter 41mm.
-Maximum battery size	: length 110mm, height 51mm, width 36mm, weight 380 gr
-Recommend battery	: max size.....

IMPORTANT NOTE:

This model helicopter has been designed and produced to be a high performance 3D machine. With its simple design and low parts count, pilots of all skill levels will appreciate its easy repairability. This is not a toy. Please take care assembling the model, and take care and responsibility when you fly it. We take no responsibility for any damage or injuries, either direct or consequential, from the use of this product. If you are not experienced in the assembly and flying of a high performance model helicopter we recommend you seek the assistance of an experienced pilot. Above all, fly safely and we hope you enjoy this model.

SAFETY GUIDELINES:

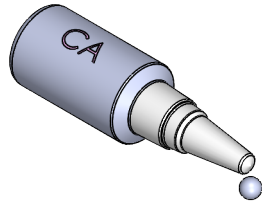
Only fly this model in areas designated for the use of model aircraft. Ensure you obtain indemnity insurance, normally available through your National model aircraft association. Remain at least 6 meters (20 feet) from the model at all times. Never allow spectators or animals any closer than 30 meters (100 feet) from the model.

NOTES FOR ASSEMBLY:

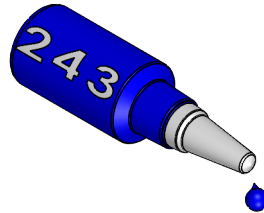
Please read this instruction manual fully before beginning assembly of this model helicopter. Be sure to use quality tools during the assembly process, and remember not to overtighten small fasteners. Note the following symbols which are used in this manual. Use thread lock sparingly where indicated. If you are unsure about an assembly step, please seek the advice of an experienced pilot. Warranty on any parts is only applicable prior to assembly of the part on the model. **NONE OF THE PRE ASSEMBLED PARTS HAVE THREAD LOCK ON THE SCREWS. IS IMPORTANT TO READ AND FOLLOW THE ASSEMBLY NOTES IN EACH STEP. INCORRECT ASSEMBLY OR NOT USING THREAD LOCK WILL CAUSE A CRASH OR INJURY.**



Important note



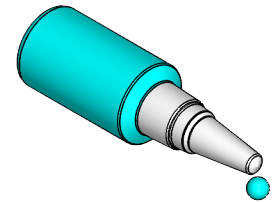
Use CA Glue



Use Loctite 243 Medium Strength



Use Loctite 648 Bonding

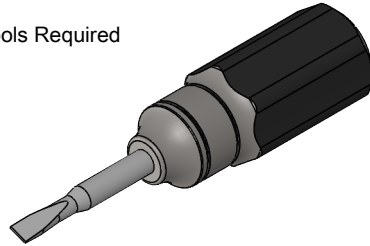


Use Silicone Grease


TOOLS REQUIRED

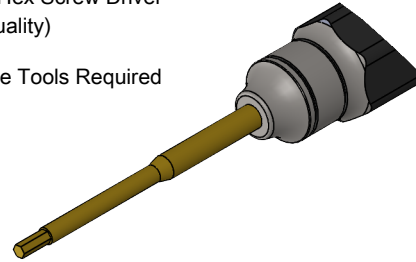
Small Tip - Flat Screw Driver

 One Tools Required




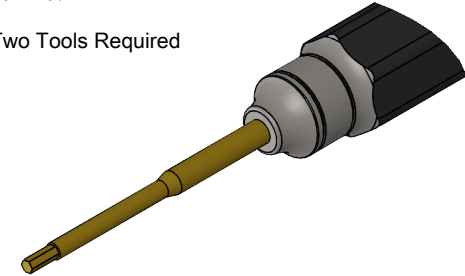
1.5mm Hex Screw Driver
(High quality)

 One Tools Required

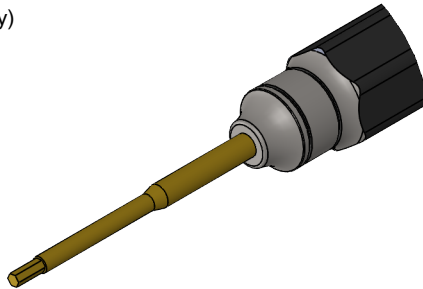


2mm Hex Screw Driver
(High quality)

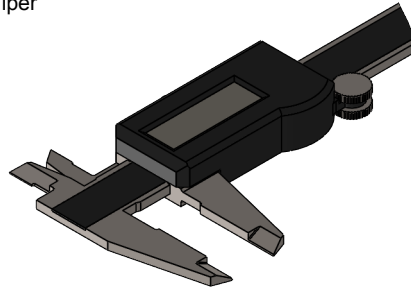
 Two Tools Required



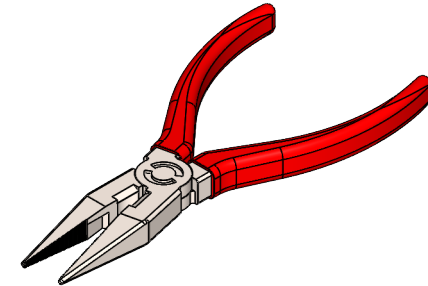
2.5mm Hex Screw Driver
(High quality)



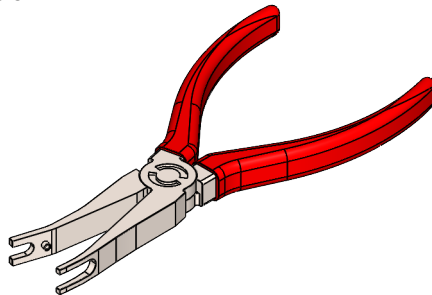
Caliper



Needle Nose Pliers

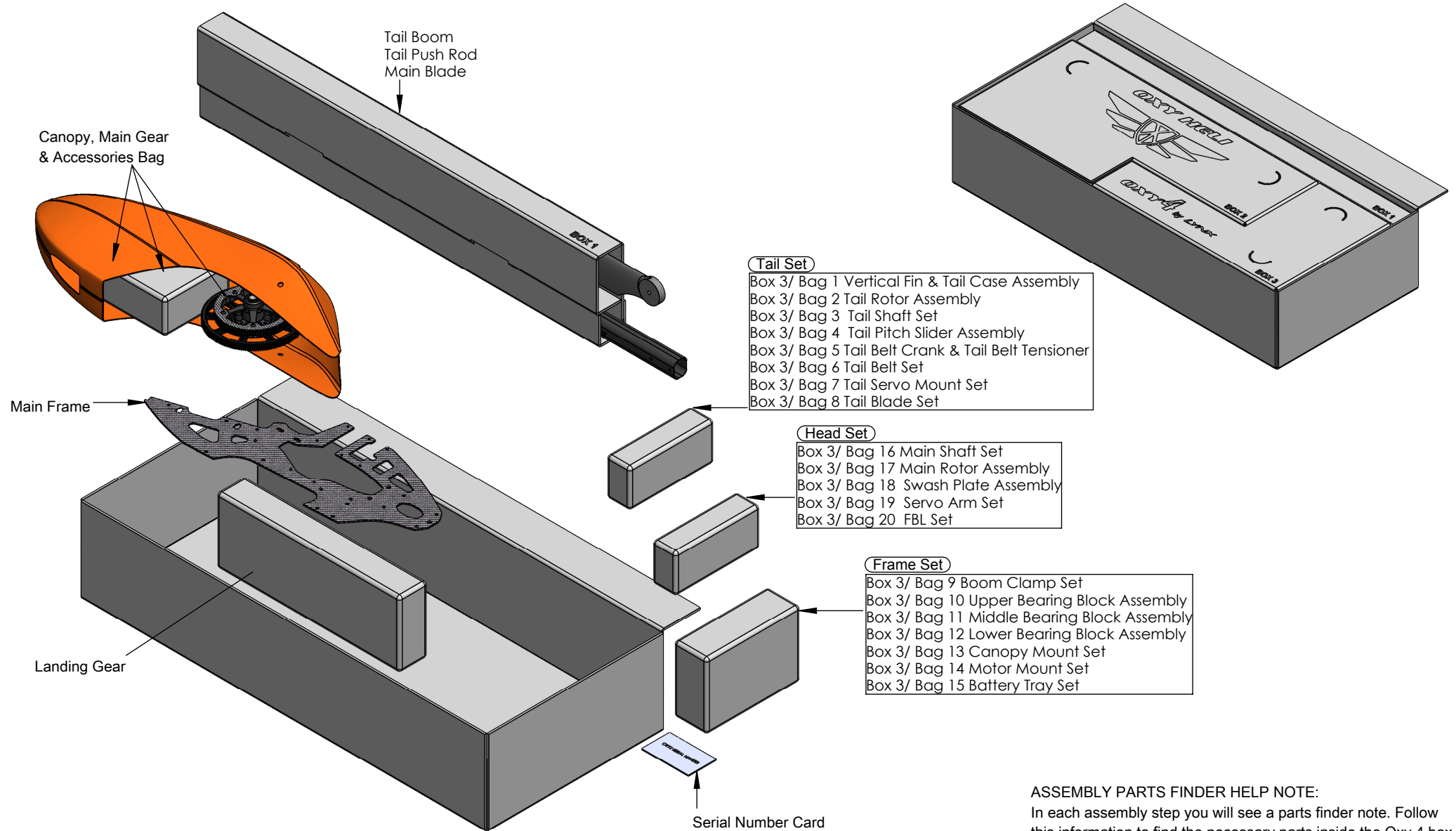


Uniball Pliers



Note :

We recommend high quality steel tools during assembly.
Hex Screw driver in particular must have precise Tip
Hexagonal dimension.



ASSEMBLY PARTS FINDER HELP NOTE:
 In each assembly step you will see a parts finder note. Follow this information to find the necessary parts inside the Oxy 4 box.

OXY 4 MAX - FLY STYLE / HEAD / TAIL SETTINGS

In order to choose the best setup for your OXY4 MAX, and optimize performance, it is important to know some basic information:

1- The Motor Kv - See your motor specifications.

2- Battery Pack - (3/4S or 6S)

3- Your target head speed, If you use a head speed calculator, use **110 Teeth** for the main gear and one of the available pinions.

Or use this simple formula:

$$\text{Theoric Max RPM} = \frac{((N \text{ Cell} \times 3.74) \times \text{KV Motor})}{(\text{Main Gear T} / \text{Pinion T})}$$

If you use governor, in order to assure that RPM will be constant during the fly, set a gear ratio to have theoric Max RPM approx 10% higher than your expected governed RPM. Your TX Throttle value should be set between 75 to 85%

Example: Target RPM Governed at 80% throttle value = 3500, the theoric Max RPM should be approx. 3850.

This formula and value can be effected by many factors such: Battery quality, Battery C Rate, Motor Power and Fly Style. In any case can give you basic information choosing your Motor KV and Pinion (Gear Ratio).

Table below will give you basic suggestion about RPM and Tail Setting (tail pulley / tail ratio) in order to guide on your OXY4 MAX Fly Style needs.

	Fly Style	Head Speed		Main Blade	Pitch	Tail Blade	Tail Shaft Pulley
OXY4 MAX	Hover	2000	2500	380	+10/-3	70	23
	Fly 2D	2500	3000	380	+10/-5	70	23/24
	Soft 3D	3000	3500	380	+/-12	70	24 (STD)
	Hard 3D	3500	3800	380	+/-13	70	24 /25
	Extreme 3D	3800	4000	380	+/-13	70	25

OXY 4 MAX - ELECTRONICS AND POWER SUGGESTIONS

Head Speed Note: Although OXY 4 MAX can handle very high Head Speed, we suggest not to exceed 4000 RPM to maintain a good compromise between performances and efficiency. Our Test confirmed that OXY4 MAX can perform from 2000 up to 4000 RPM, for more information about your personal Fly Style need and relative Head and Tail Settings, see above Info and Table: "Fly Style - Head - Tail Settings"

CONFIGURATION EXAMPLES:

Since the OXY 4 MAX is a high performance 3D RC helicopter, we suggest using high quality electronics and power components including Servos, FBL , Motor, Battery and ESC.

Remember that OXY 4 MAX is a 380 RC Heli - use light components to maximize flight time and performance. Always consider the acceleration G force in fly, few extra gram can become Kg during some maneuvers, compromising the best performance. Always choose the electronics and the power system suitable for your fly style, "more is not always better"!

FROM OUR TEST HERE OUR ELECTRONICS SUGGESTIONS:

CYCLIC SERVO: Metal Gears MICRO Servos with speed: =>0.06 sec/60 at 6V. Lynx suggestion: LX2649 - KST Lynx DS215MG-V3 Servo,

RUDDER SERVO: Metal Gear MICRO or MINI Servo with speed =>0.06 sec/60 at 6V , Specific Rudder Servo with 760µs Pulse are suggested for best tail performance. Lynx suggestion: LX2650 KST Lynx DS213X - 760µs Micro Tail Servo, 1Pc.

BATTERY: 6S - 1800mAh up to 2200mAh - 45C rate or higher. Maximum sizes and weight: length 110mm, height 51mm, width 36mm, 380g.

ESC: 50A up to 80A - ESC can be installed in two position for the best CG configuration, under the Battery Tray or under Main Gear. Lynx suggestion: HW 60A or HW80A ESC

MOTOR with OXY 4 325 CNC Main Gear OSP-1079 and dedicated Pinions: Caliber 2520 / 2618 - 1800KV - ø3.5mm x L17.4mm Shaft. Possibility to use different motor with 3 mounting holes options: M2.5-25mm / M3-25mm / M3-16mm.

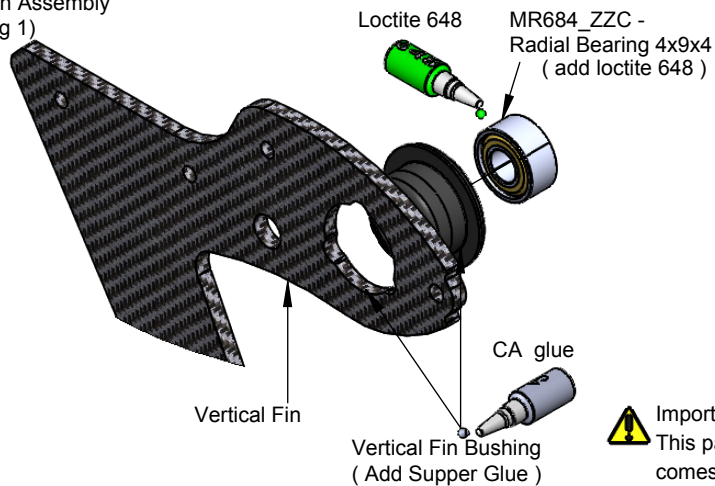
MOTOR with STD OXY4 MAX Main Gear and dedicated Pinions: Caliber 2822 up to 3215 - 890 to 1100KV - ø5mm x L20mm Shaft. Possibility to use different motor with 3 mounting holes options: M2.5-25mm / M3-25mm / M3-16mm. *Is also possible (not recommended, just possible!) replacing Main Gear and Pinion use OXY 4 325 - 360 Motors.*

FBL System: The OXY 4 MAX is designed around the Ikon / Brain and Neo V-Bar Systems. Many other FBL systems can be used, depending on your personal choice. Max inner Frame dimension 33mm.

MAIN BLADE: OXY4 MAX Main Blade Zeal 380mm Energy (Kit Included), can fly with 360mm up to 386mm. Main Grips use M3 Screw and 6 mm Root.

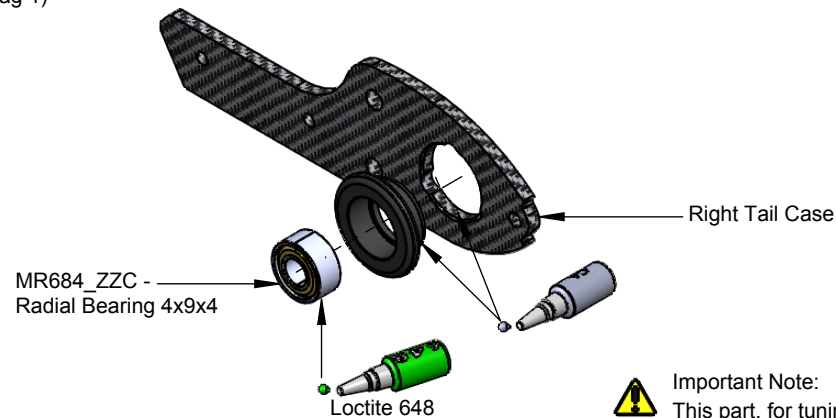
TAIL BLADE: OXY4 MAX Tail Blade 70mm (Kit Included), can fly with 70mm up to 72mm. Tail Grip use M2.5 Screw and 3mm Root.

Vertical Fin Assembly
(Box 3/Bag 1)



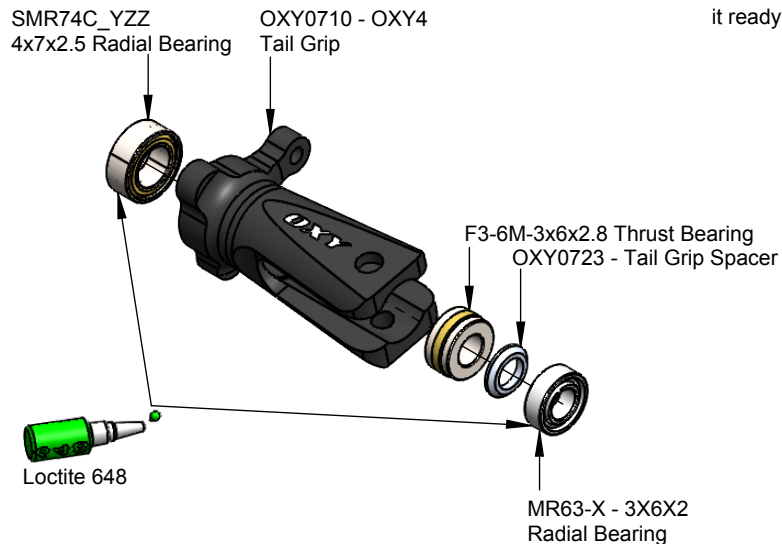
⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to us.

Vertical Fin Assembly
(Box 3/Bag 1)

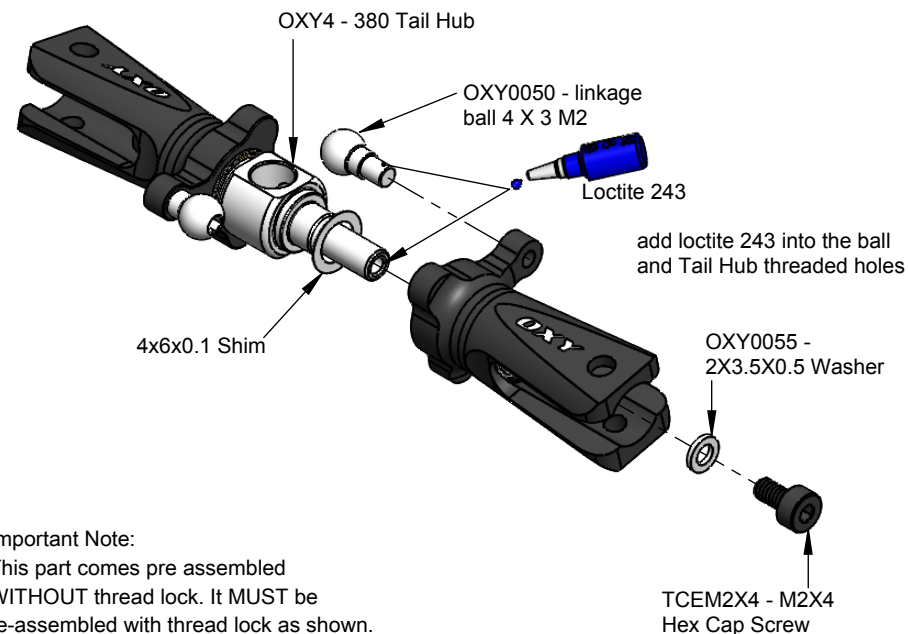


⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use.

Tail Rotor Assembly
(Box 3/Bag 2)

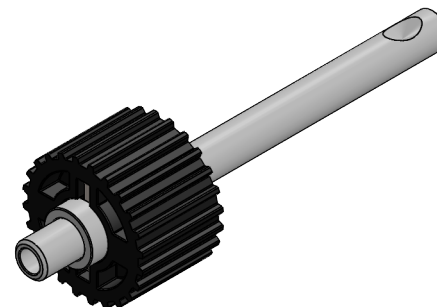
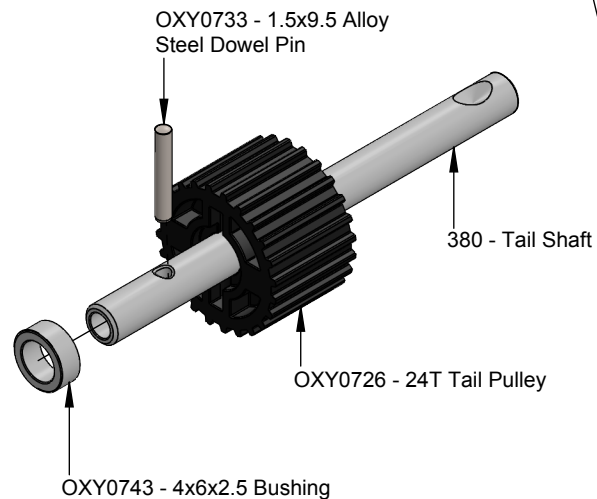


⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use

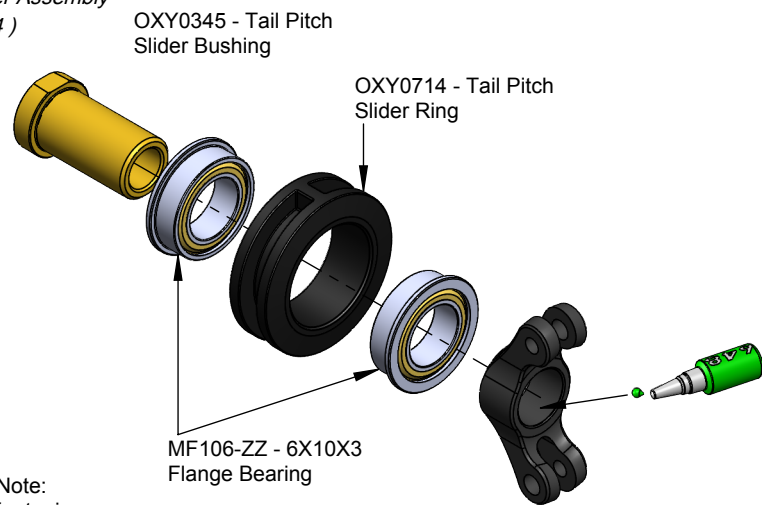


⚠ Important Note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

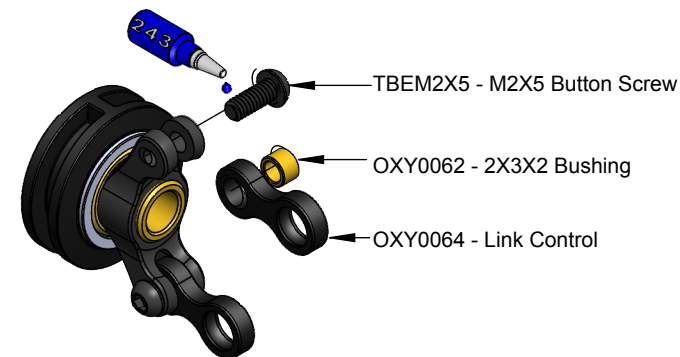
Tail Shaft Assembly
(Box 3 / Bag 3)



Tail Pitch Slider Assembly
(Box 3 / Bag 4)

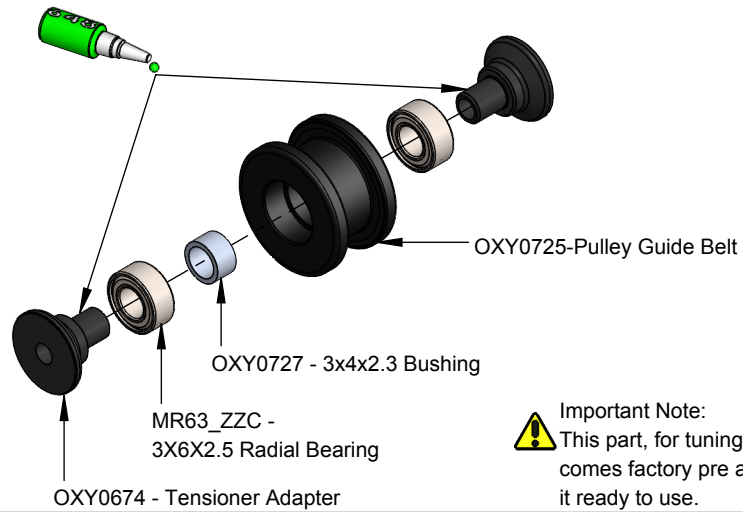


⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use.



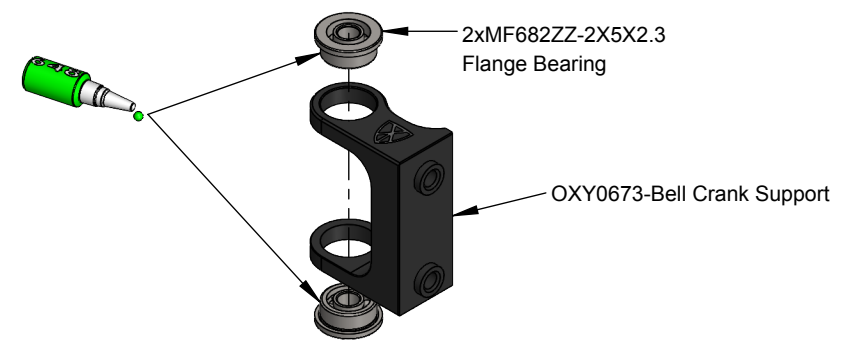
⚠ Important note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

Tail Belt Crank Support Assembly
(Box 3 / Bag 5)



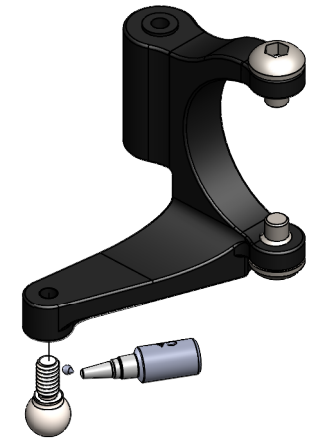
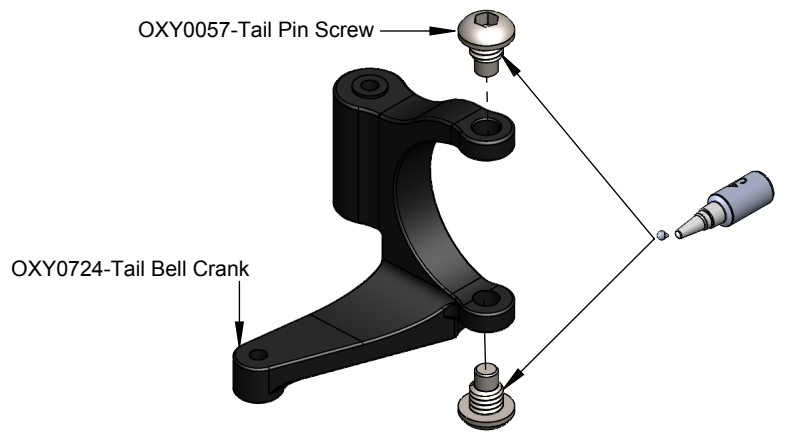
Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to use.

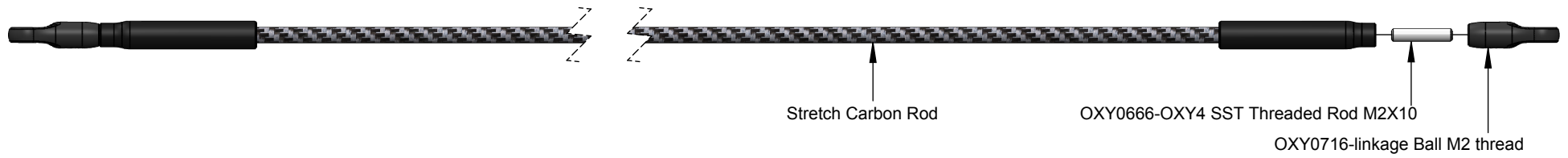
Tail Belt Crank Support Assembly
(Box 3 / Bag 5)



Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to use

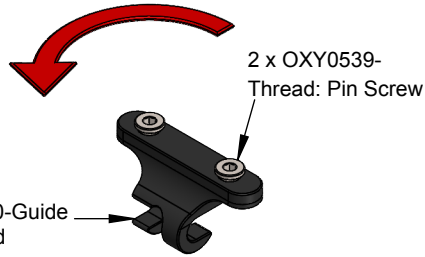
Tail Belt Crank Support Assembly
(Box 3 / Bag 5)





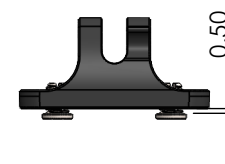
Step 1:

- Note: to install this pin screw rotate counter clock wire
- Note Pin Screw Thread: Pin Screw Oxy designed the Pin Screw with a counter clockwise thread. This will help on the final locking operation. Be careful to follow our instructions to get a perfect assembly



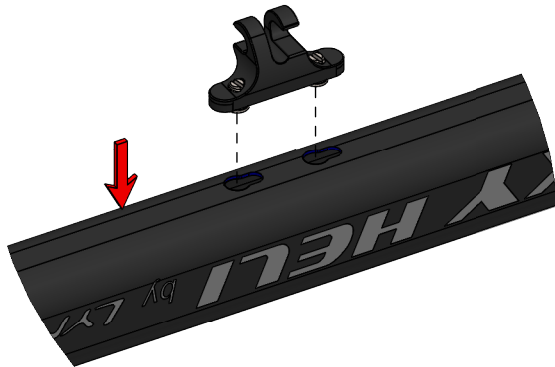
Step 2:

Note: Install the Pin Screw and leave a gap as shown.



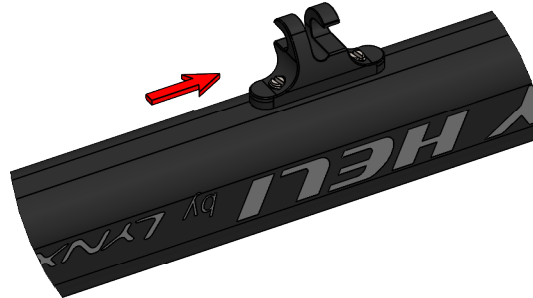
Step 3:

Push the part inside the boom sockets as shown



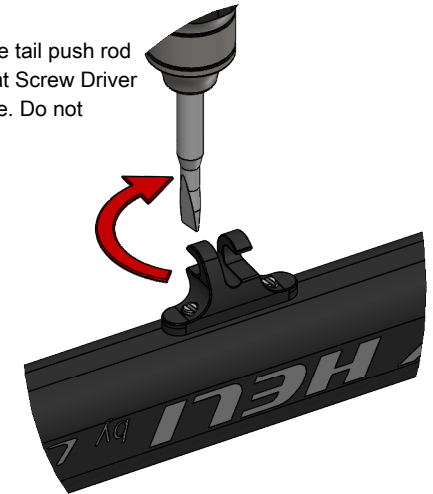
Step 4:

Slide the parts as shown

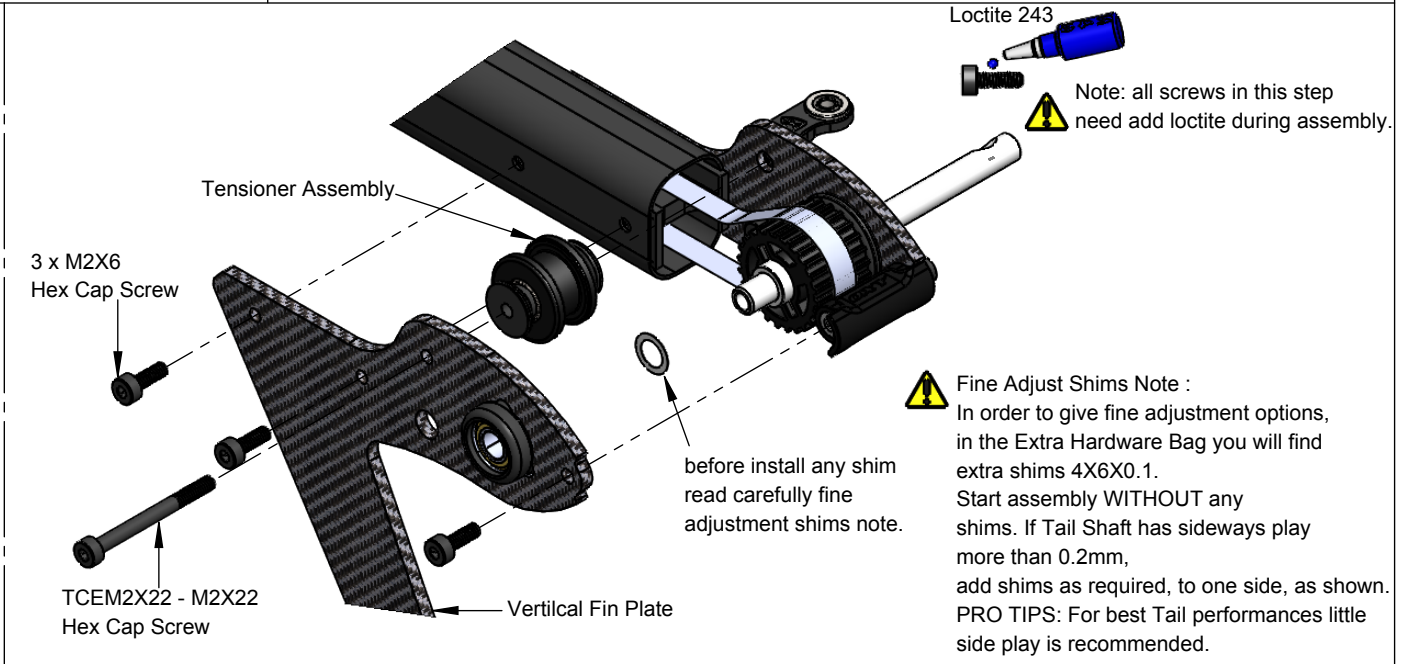
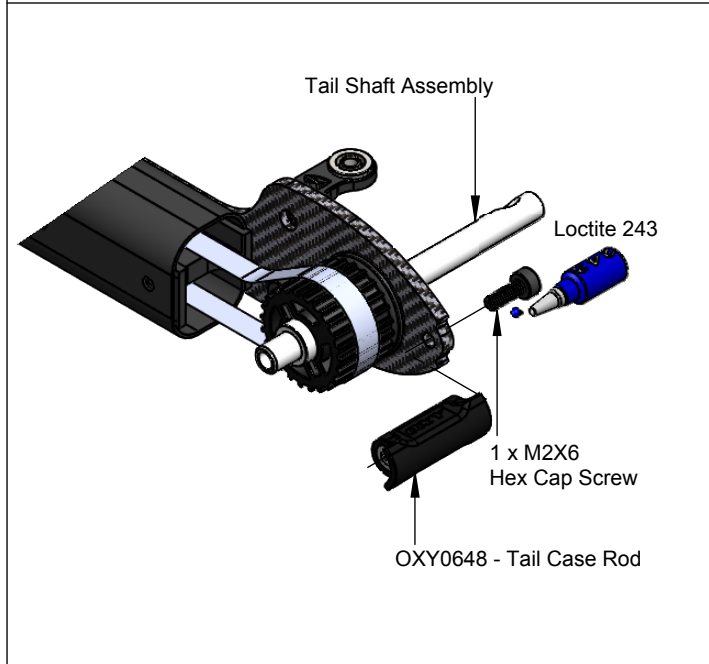
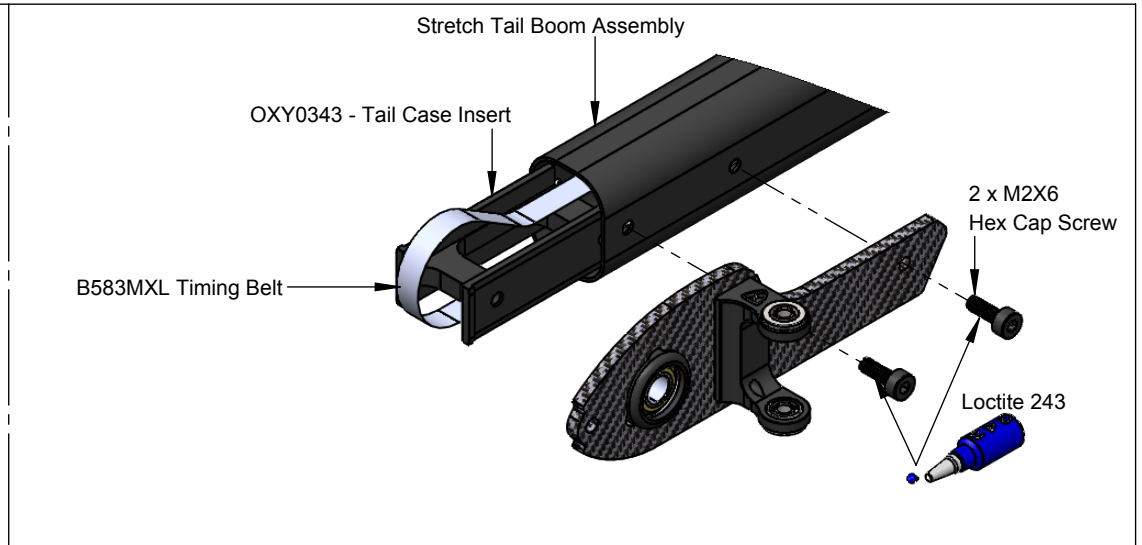
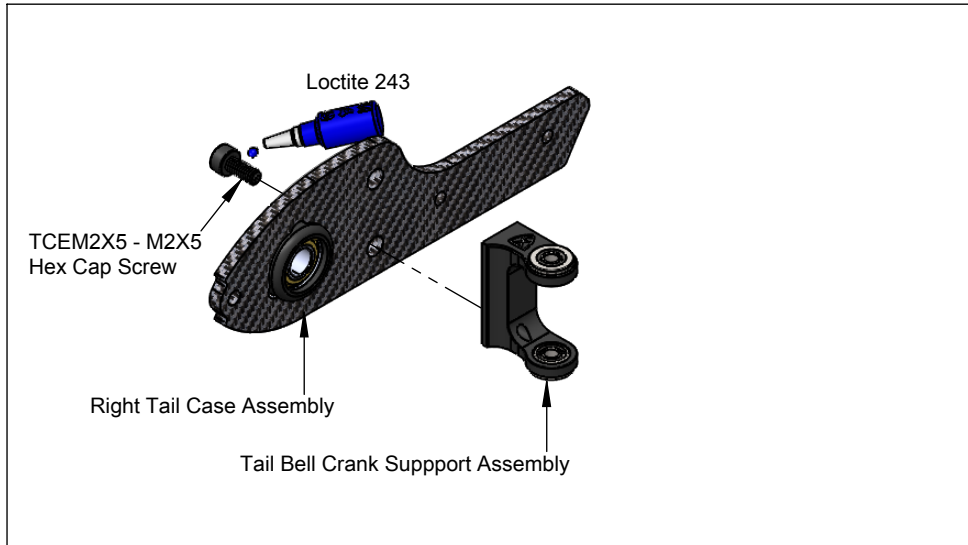


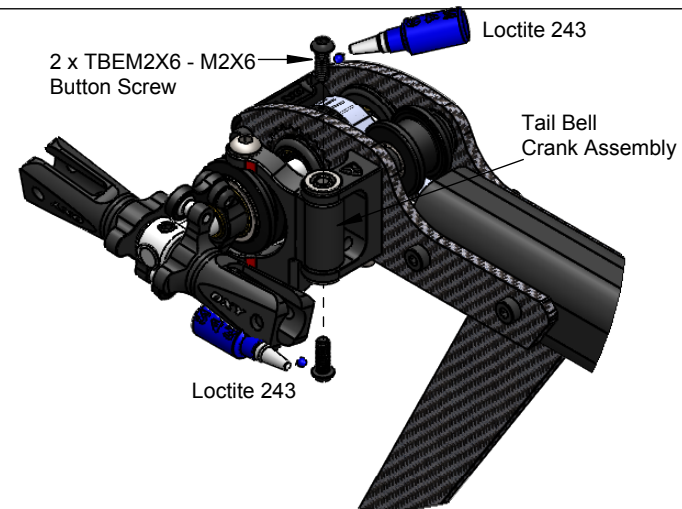
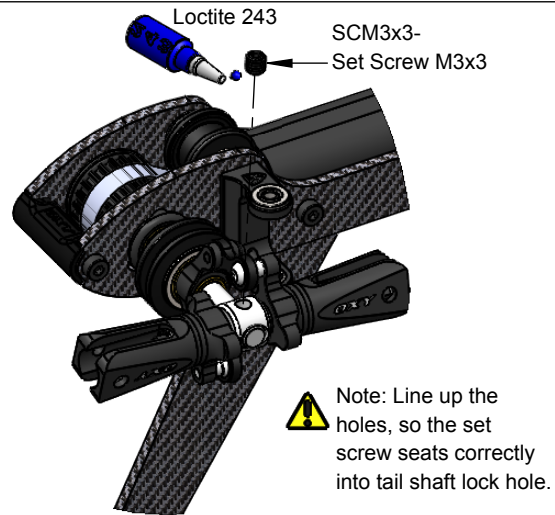
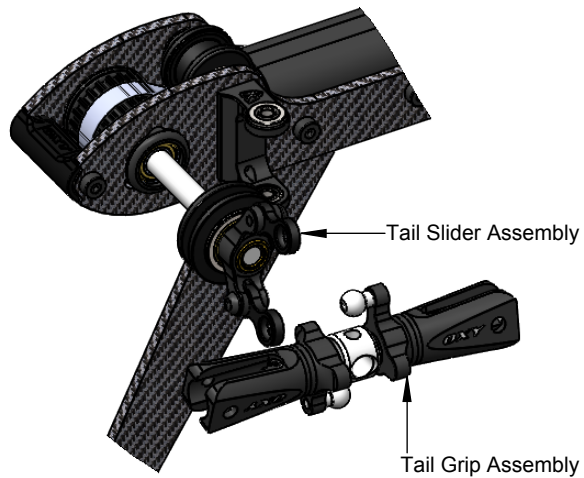
Step 4:

In order to lock the tail push rod support, use a Flat Screw Driver and turn clockwise. Do not over tighten.

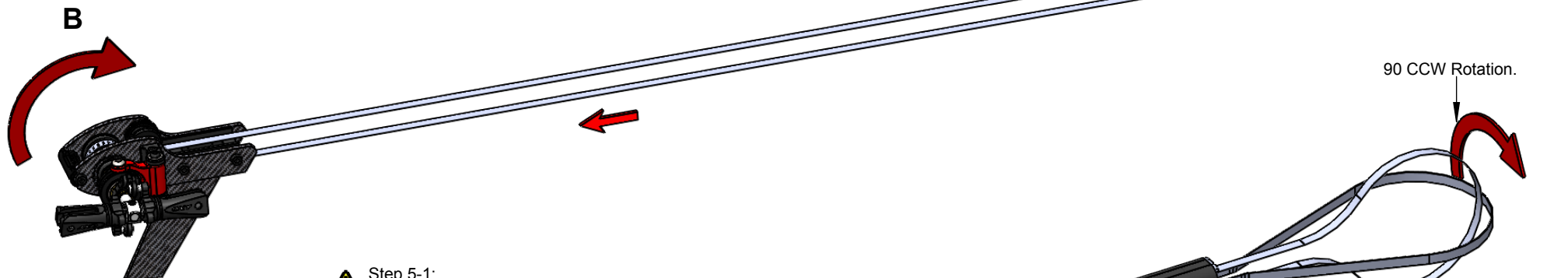


Important Note:
This part, for tuning reasons, comes factory pre assembly, it ready to use.





⚠ TAIL BELT ASSEMBLY AND DIRECTION CHEK:
 In order to check correct belt install,
 move belt position A CW and
 the position B must rotate CW.
 Before go forward on Tail Assembly check carefully
 if Belt is installed per need.
 Belt MUST move without any friction.




⚠ Step 5-1:
 Tail belt is showed straight coming out,
 form tail boom. Be careful to
 check the belt if not twisted inside the boom.
 Use a flashlight to check inside the boom, for better vision.
 Rotate the belt 90 degrees CCW as shown.


90 CCW Rotation.




Step 5-2:
Hold carefully Tail Belt as showed and insert
Front Boom Insert.A

 OXY0450-Front
Boom Insert
(Box 3/Bag)
Press in this insert parts into
Tail Boom to help Tail Belt
doesn't twist in the next
installation step

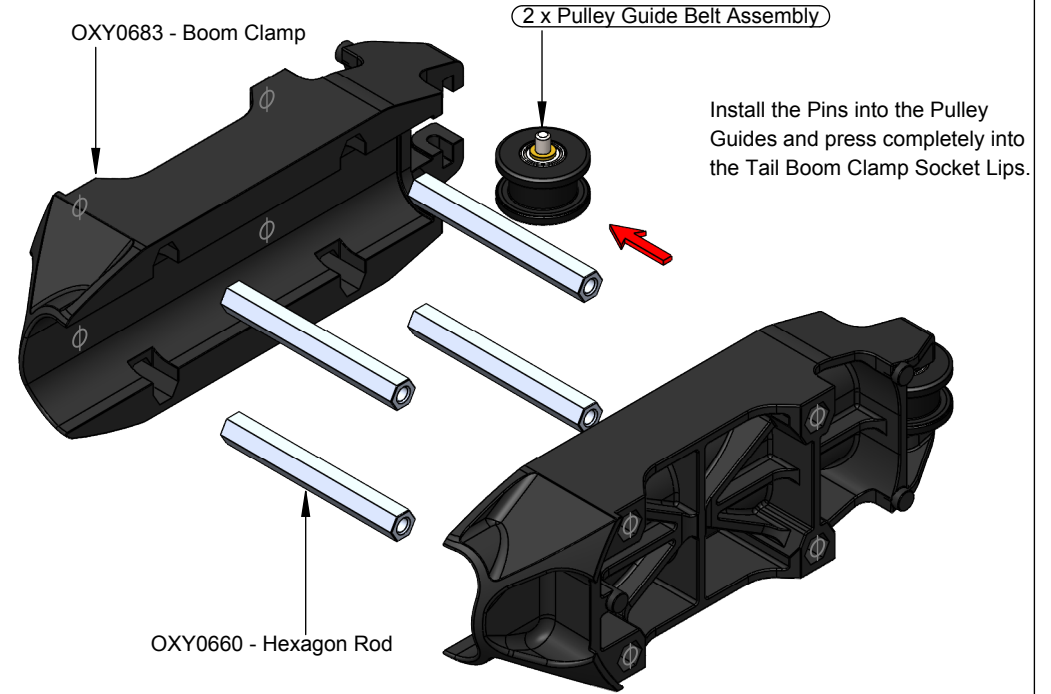
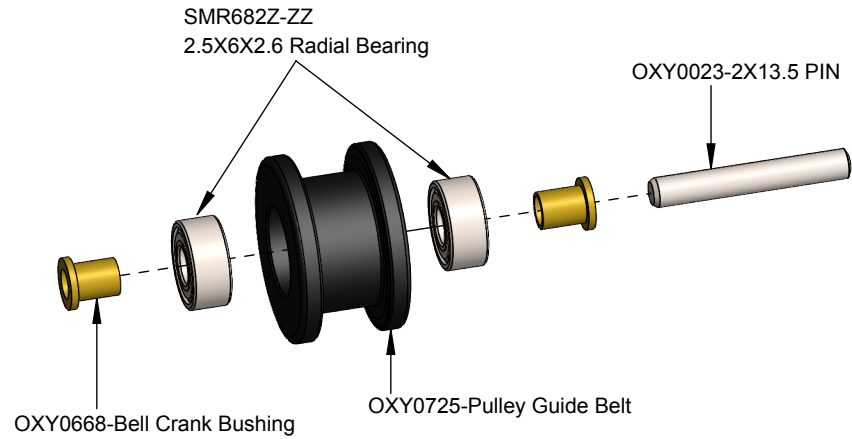


 Step 5-3:
Final Tail Belt Direction Check:
Pull Tail Belt (as shown) and check the tail hub rotates
in the direction shown. If the Tail Rotor rotates
in the wrong direction, go back to the previous
instructions and double check your assembly.

 Pull Tail Belt here

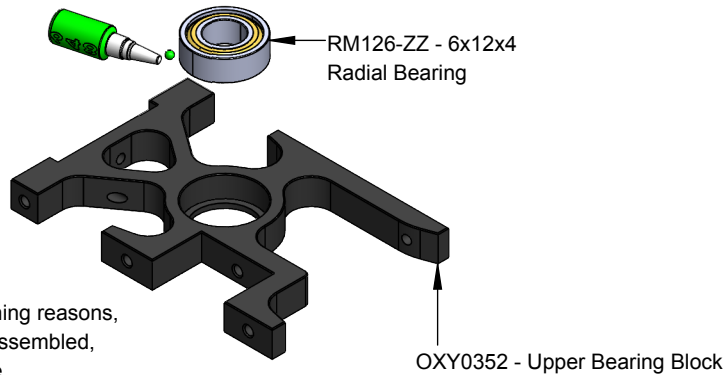
Boom Clamp Assembly

(Box 3/ Bag 9)



Upper Bearing Block Assembly

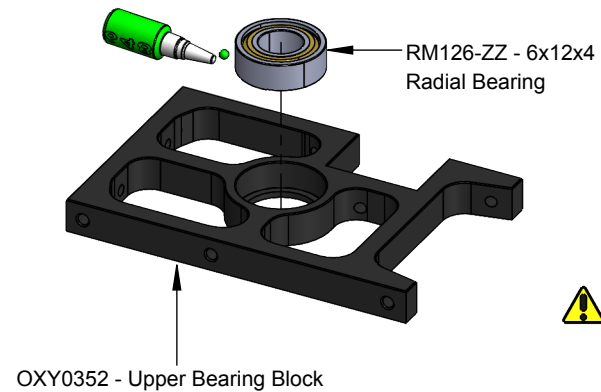
(Box 3/ Bag 10)



⚠ Important Note:
This part, for tuning reasons, comes factory assembled, it is ready to use.

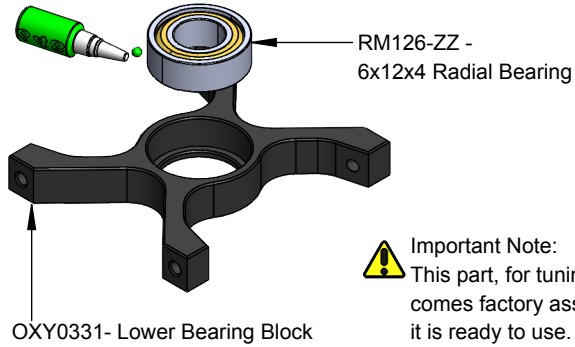
Middle Bearing Block Assembly

(Box 3/ Bag 11)



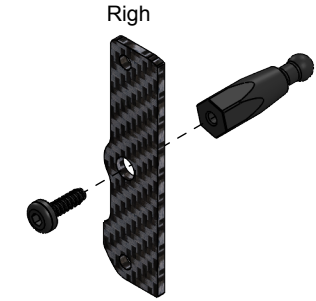
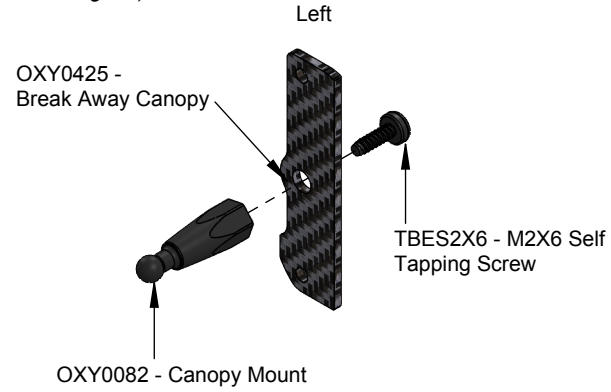
⚠ Important Note:
This part, for tuning reasons, comes factory assembled, it is ready to use.

Lower Bearing Block Assembly
(Box 3/ Bag 12)

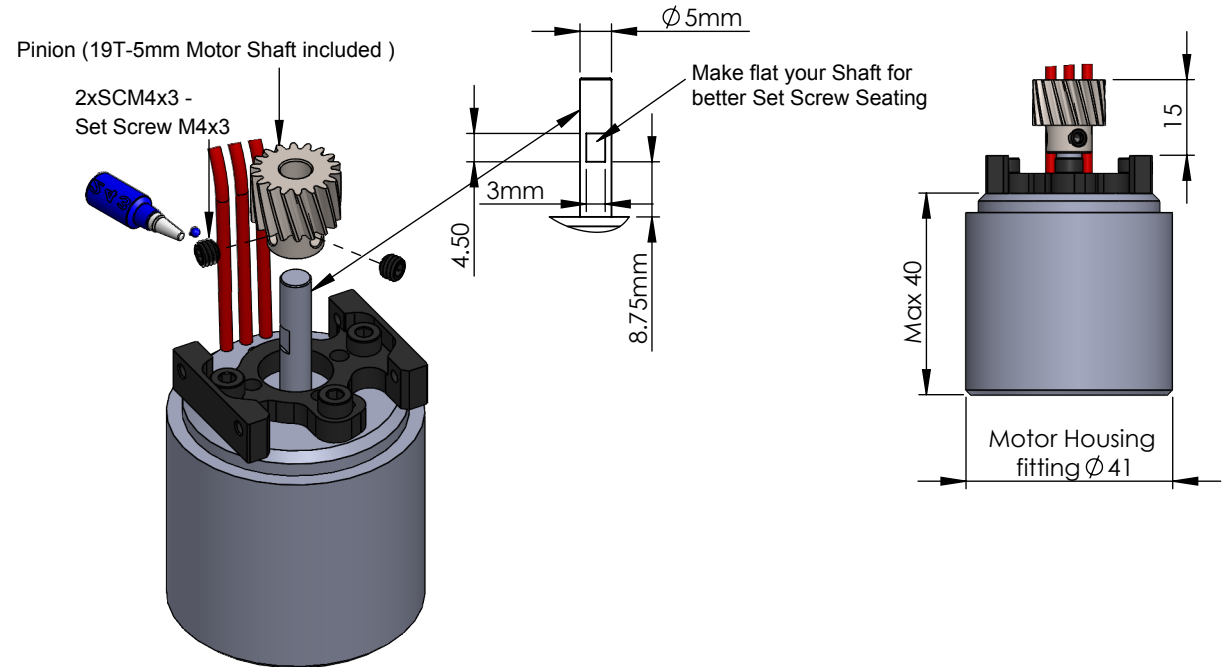
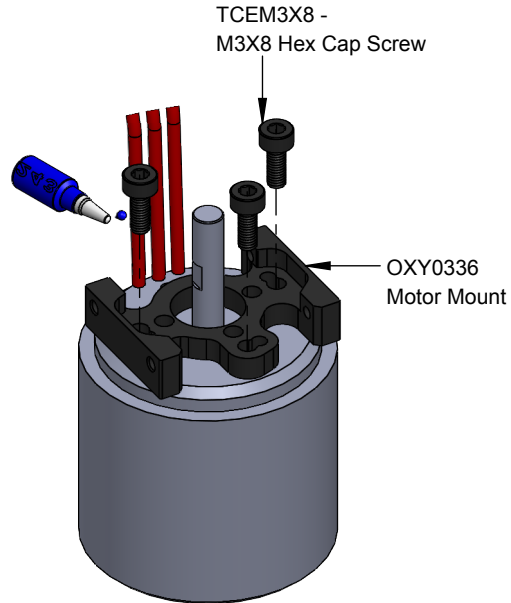


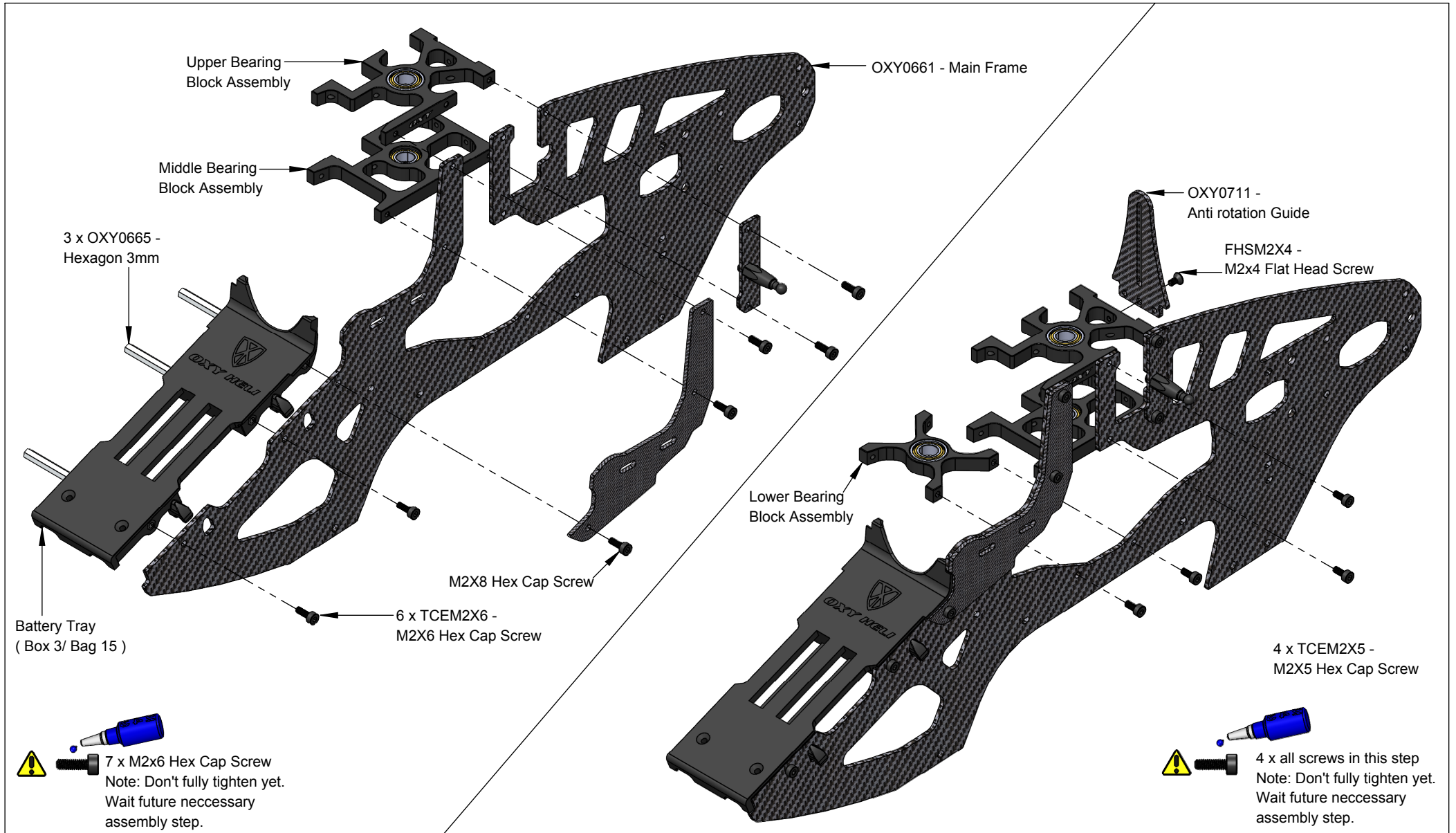
Important Note:
This part, for tuning reasons, comes factory assembled, it is ready to use.

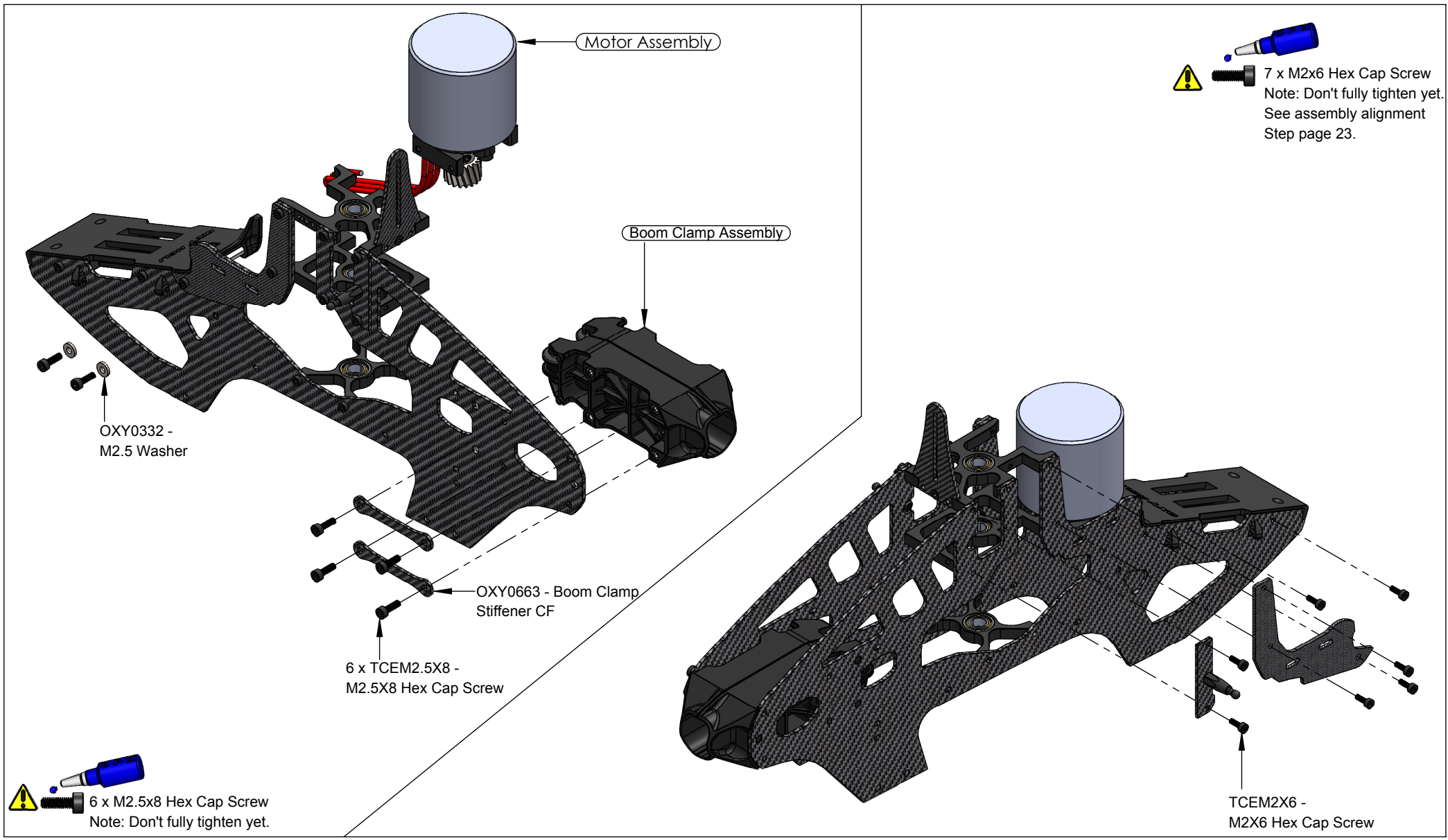
Break Away Canopy Assembly
(Box 3/ Bag 13)

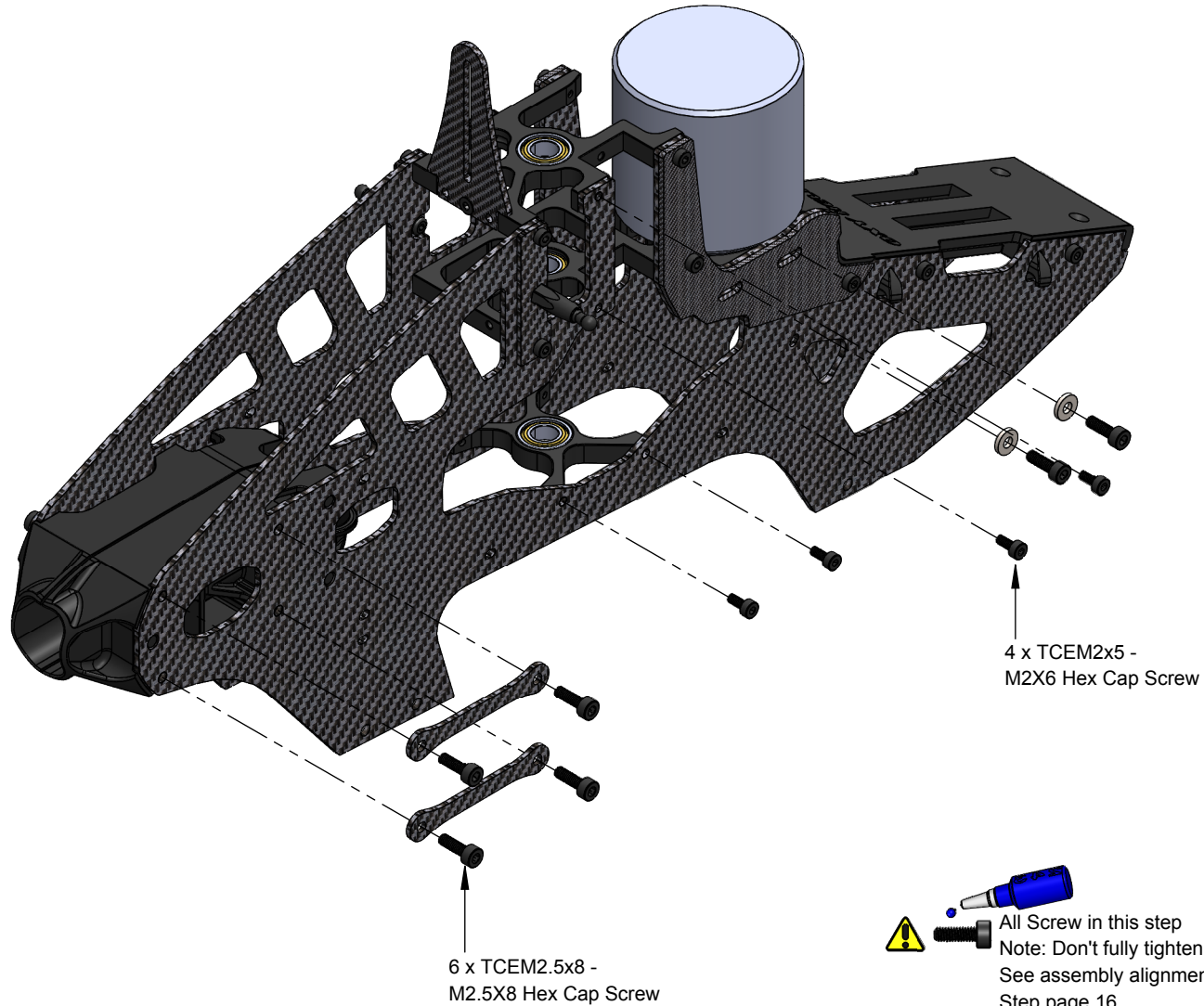


Motor Assembly
(Box 3/ Bag 14)

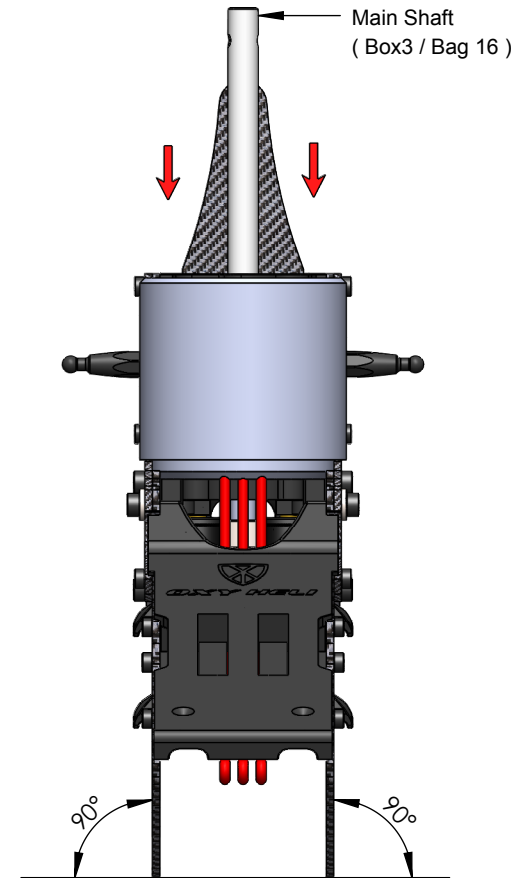






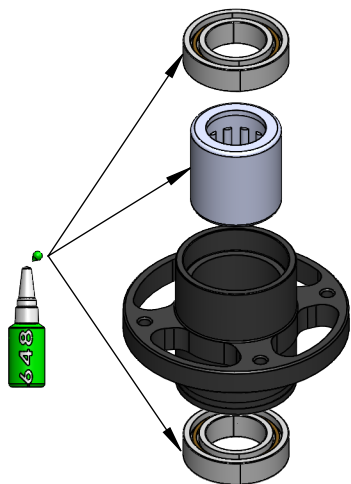


Install main shaft with frame assembly on a flat surface, push down on both frames together and then fully tighten all M2 Hex Cap Screws (x22) holding the bearing blocks.



Main Gear Assembly

(Box2 / Bag 1)

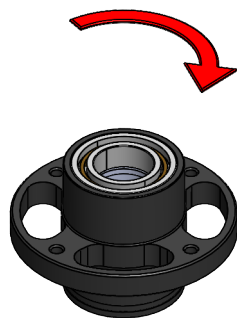


MR148ZZ
8x14x3.5 Radial Bearing

HF0812
One Way 8x12x12

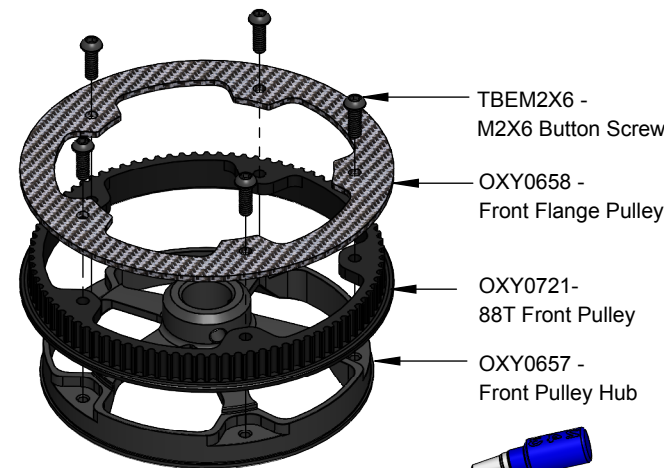
OXY0655 -
One Way Hub

Important Note:
This part, for tuning reasons, comes factory assembled, it is ready to use.



! the Sleeve is free rotate as arrow Shown

! Important note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.



TBEM2X6 -
M2X6 Button Screw

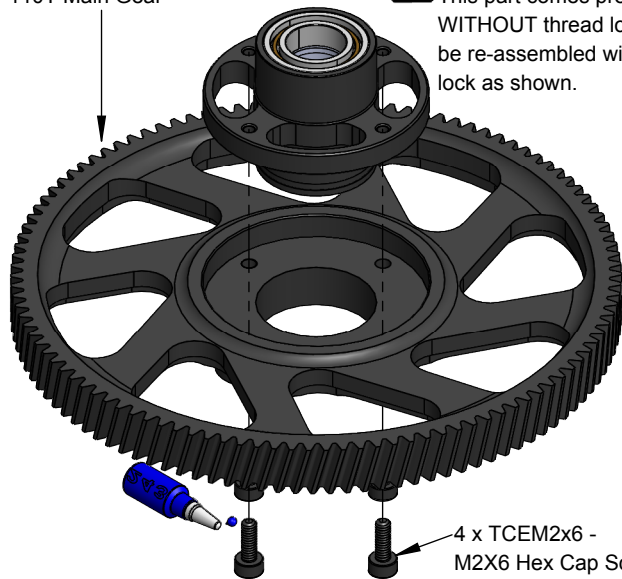
OXY0658 -
Front Flange Pulley

OXY0721-
88T Front Pulley

OXY0657 -
Front Pulley Hub

! 5 x TBEM2X6 -
M2X6 Button Screw

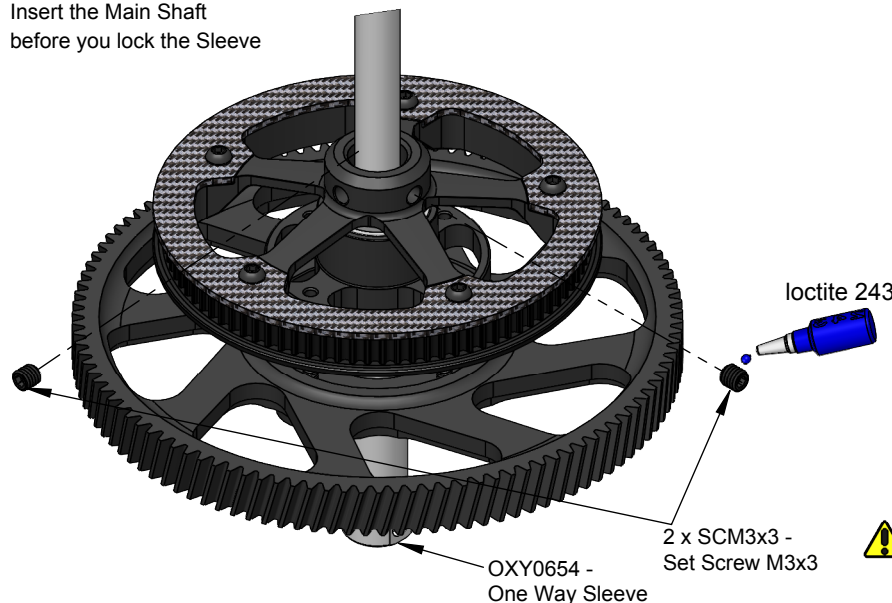
110T Main Gear



! Important note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

4 x TCEM2x6 -
M2X6 Hex Cap Screw

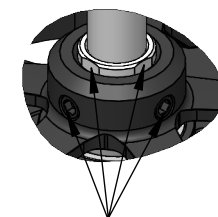
Insert the Main Shaft before you lock the Sleeve



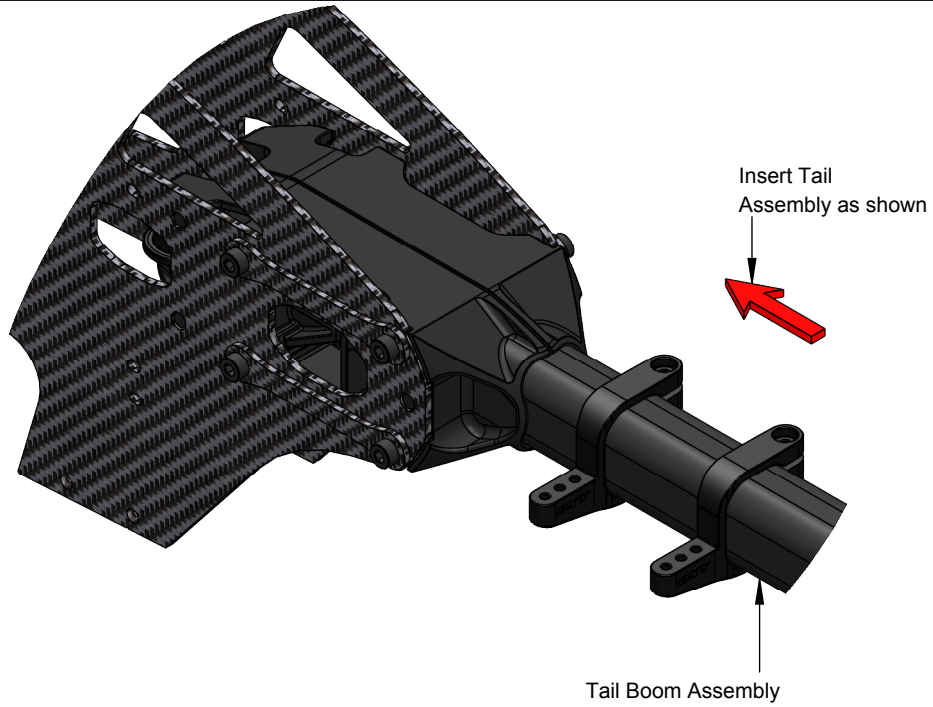
OXY0654 -
One Way Sleeve


2 x SCM3x3 -
Set Screw M3x3

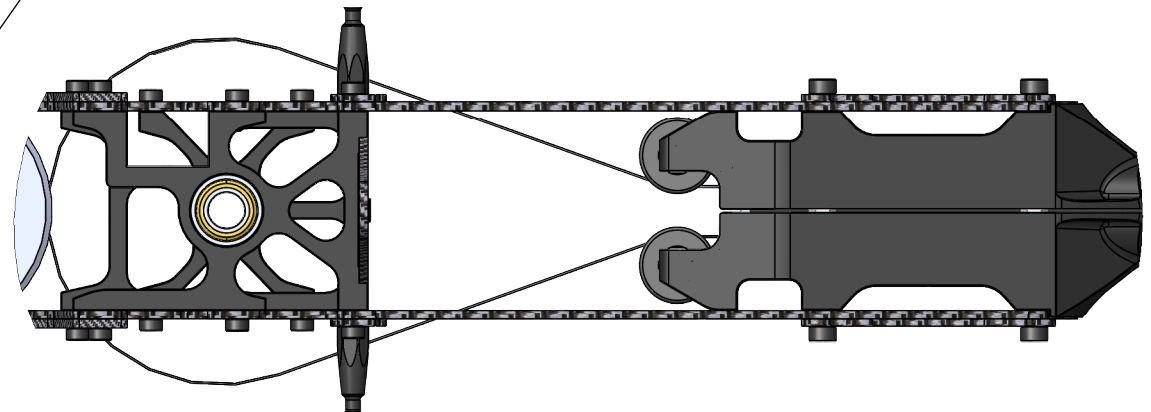
! Important note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

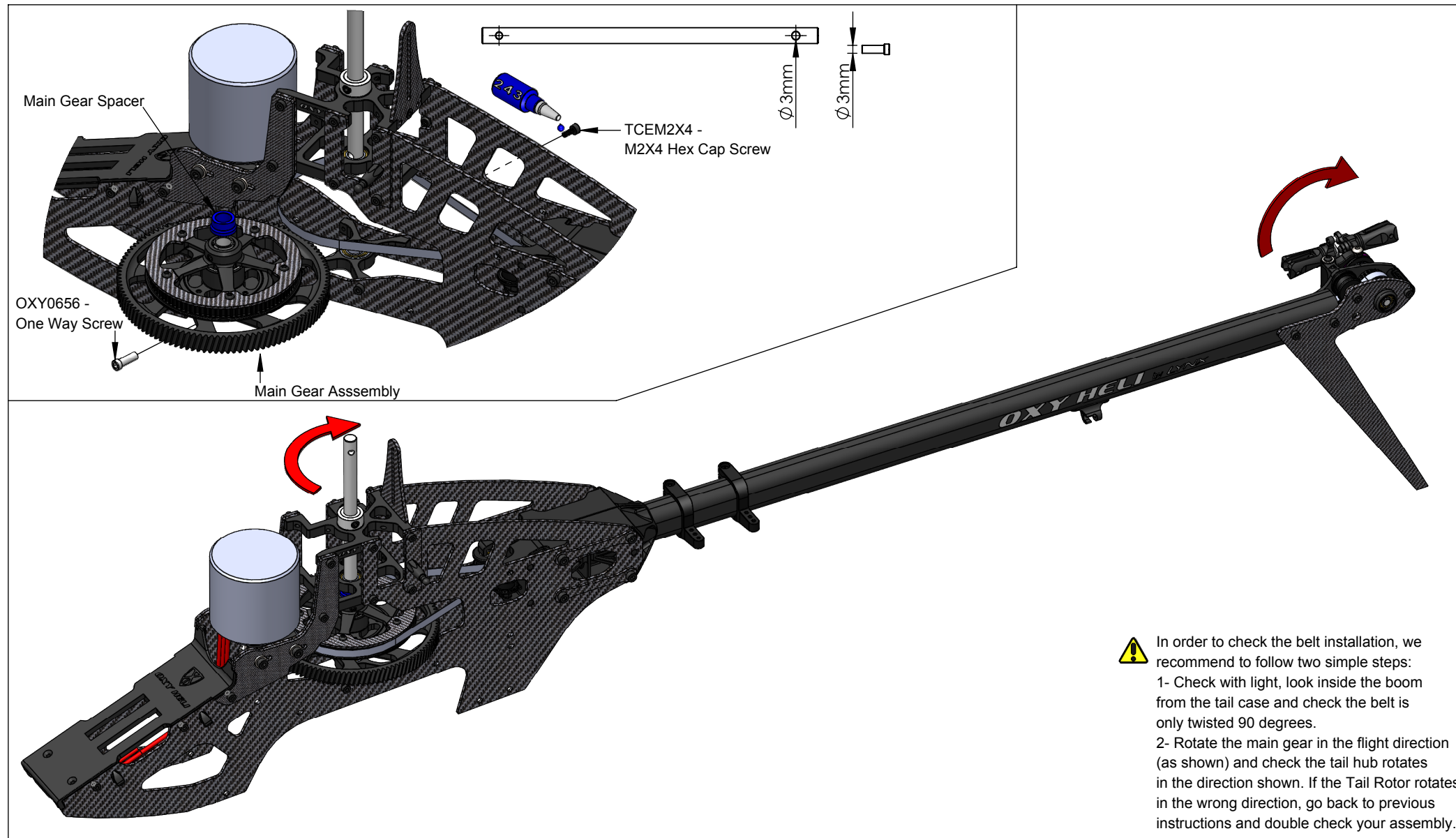


2 Set Screw are seat onto the flat surface of OXY0654 One Way Sleeve

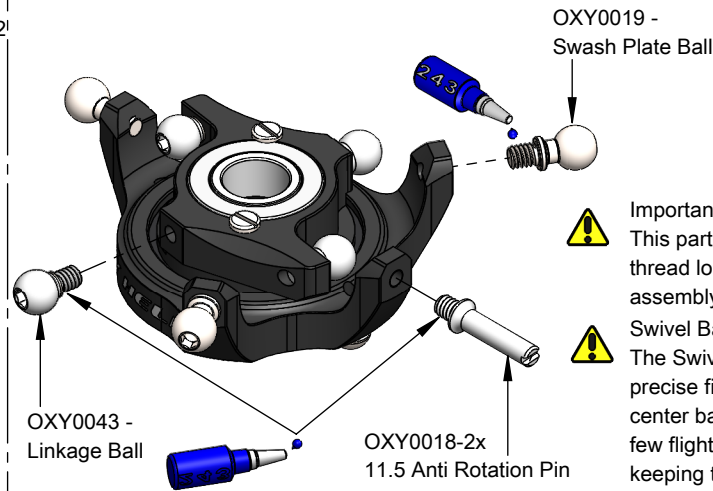
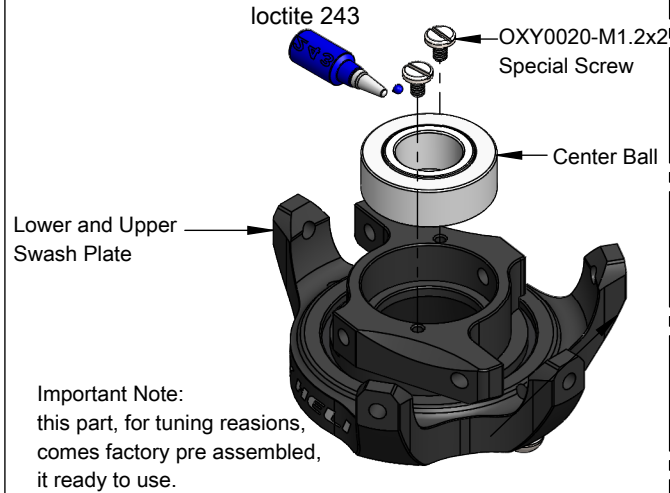


 Before next assembly step check carefully Tail Belt assembly position as shown.

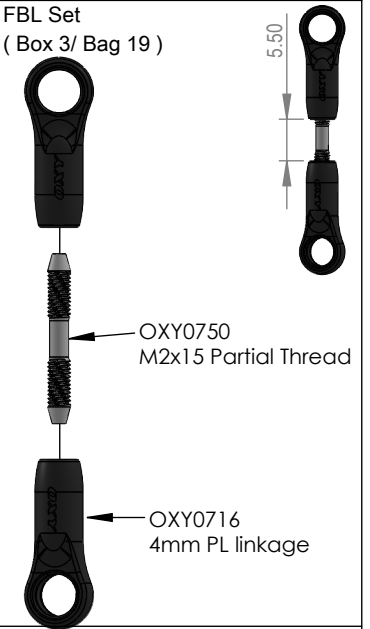




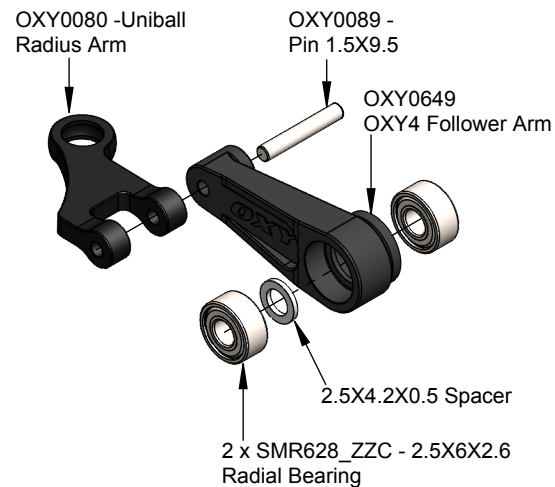
Swash Plate Assembly
(Box 3/ Bag 18)



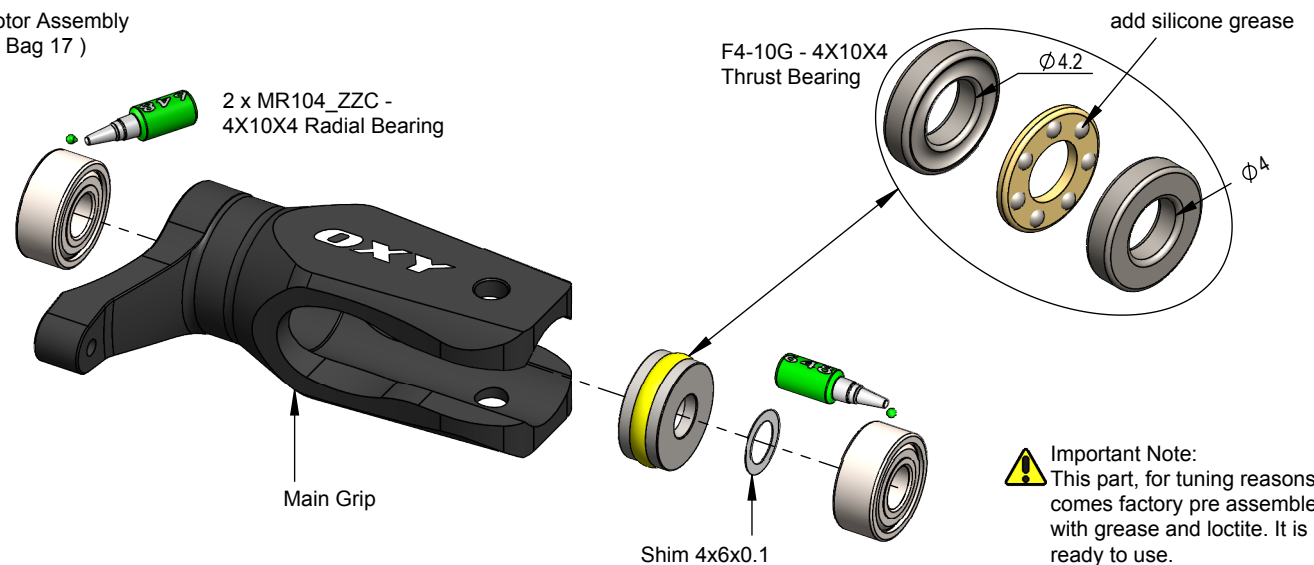
FBL Set
(Box 3/ Bag 19)

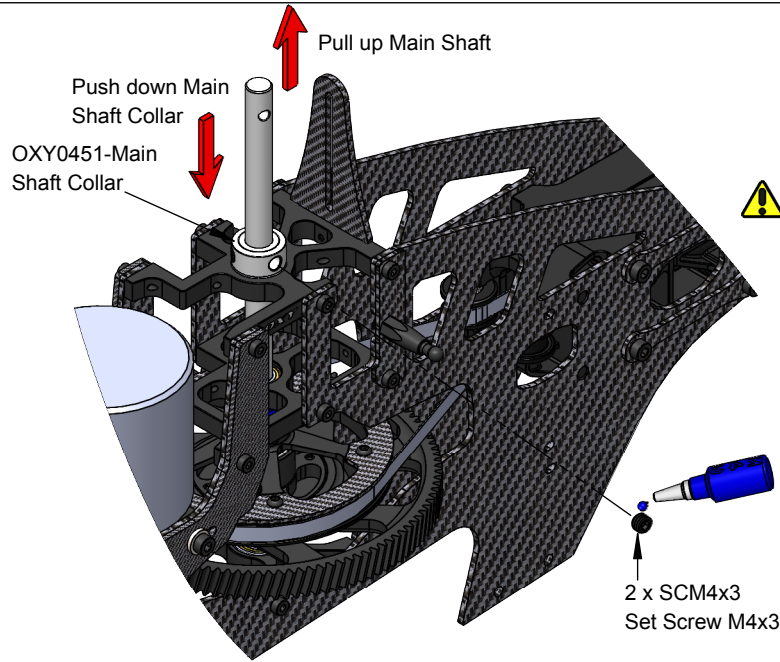


FBL Set
(Box 3/ Bag 19)

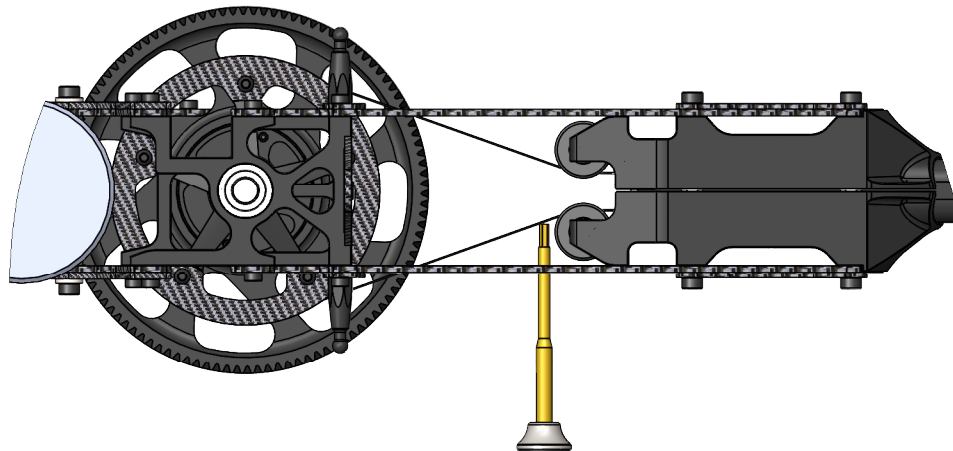
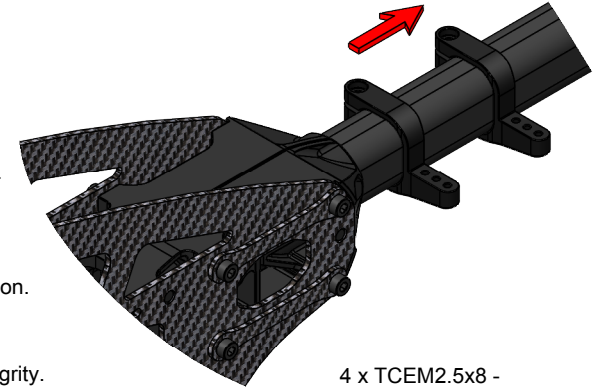


Main Rotor Assembly
(Box 3/ Bag 17)





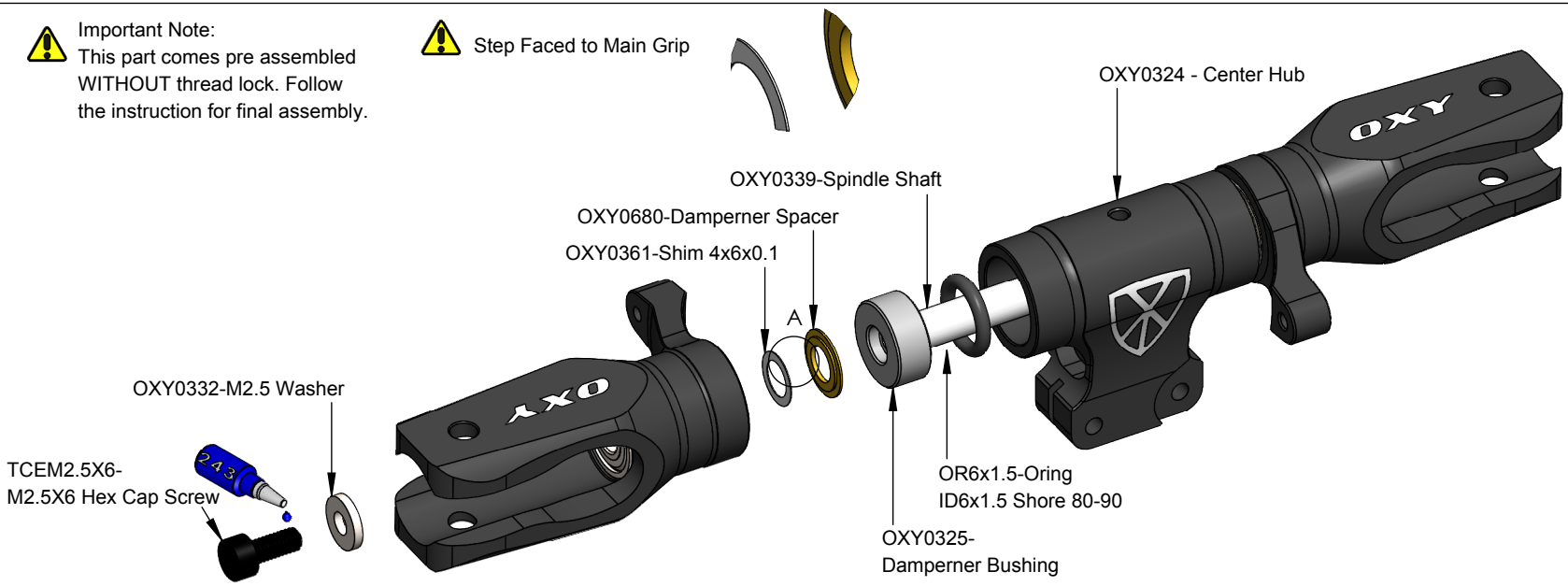
- Be sure the boom is assembled and installed correctly.
- Loosen the tail boom by loosening the eight M2.5x8 Hex Cap Screws.
- Adjust the Belt tension by pulling on the Tail Boom.
- Tighten the eight M2.5x8 Hex Cap Screws.
- The belt must have good tension. We suggest re-checking after a few flights. We suggest to check belt tension often, before each flying session.
- If spool up get difficult, may Tail Belt is over tight, recheck and eventually loose Belt tension little bit
- If the belt is often loose, you should check the lock system or belt integrity.
- Tests show that a hard 3D pilot can perform over 400 flights before the belt will fail. We recommend replacing the Tail Belt after 300 flights, even if it does not show wear, to avoid it breaking unexpectedly in flight.
- After a crash, spend some time checking Belt integrity and replace if any teeth are missing.



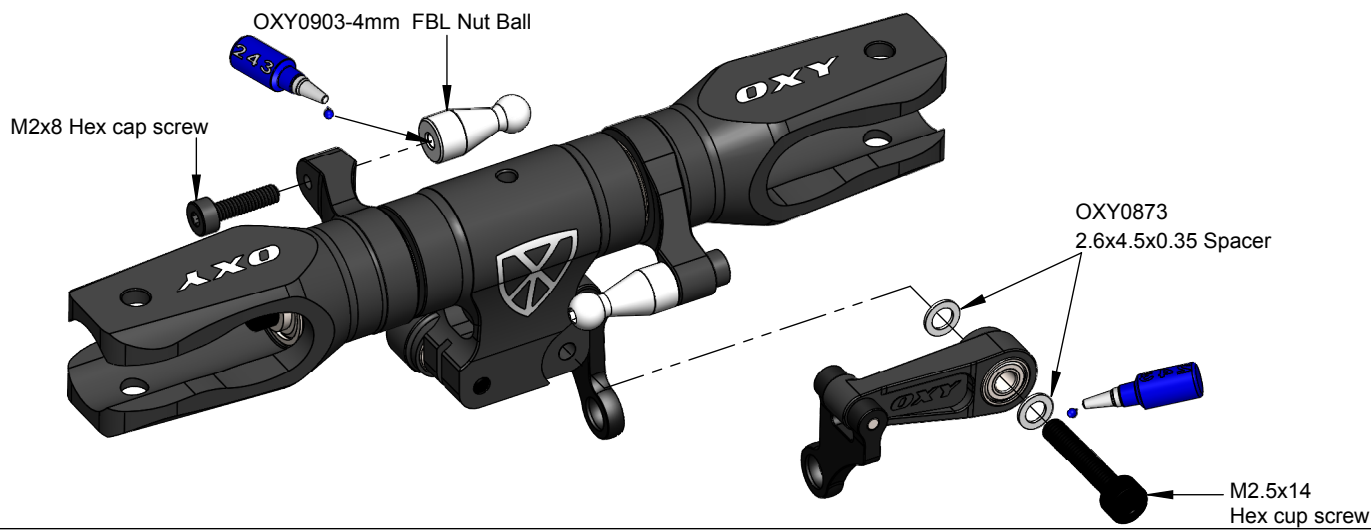
- Use a Screw Driver to check Belt Tension (suggested max deflection is 1mm)
- Note: We recommend a tight Belt tension.
- If spool up get difficult, may Tail Belt is over tight, recheck and eventually loose Belt tension little bit
- Check the Belt tension again after the first 2 flights.
- With a new Tail Belt, when the head is rotated slowly, it is normal to hear a tooth sound as the belt engages with the Main Pulley. This sound is normal and will disappear after a few flights and the necessary "break-in".

⚠ Important Note:
 This part comes pre assembled
 WITHOUT thread lock. Follow
 the instruction for final assembly.

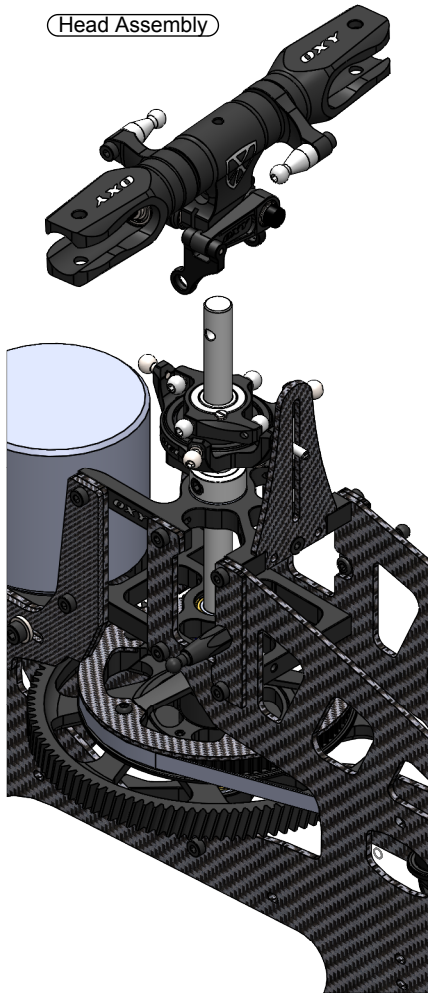
⚠ Step Faced to Main Grip



Fine Adjust Shims:
 In order to give fine adjustment options,
 the extra Hardware Bag contains extra
 Shims 4x6x0.1. Start assembly
 with one (each side)pre installed shim.
 If the Main Grips have
 sideway play, add shims as required.
 Each Grips must have the same number
 of shims. If you add one shim on the left
 side, you need to also add one shim on
 the right side

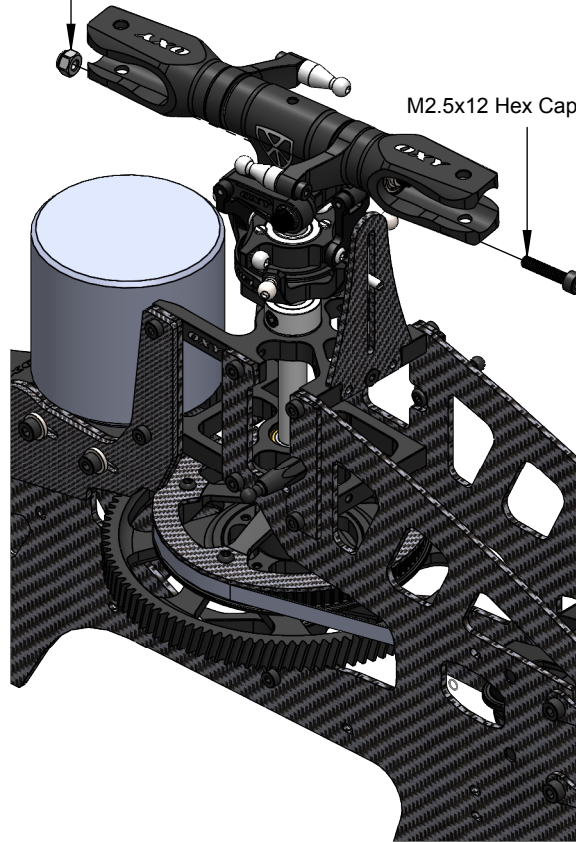


Head Assembly

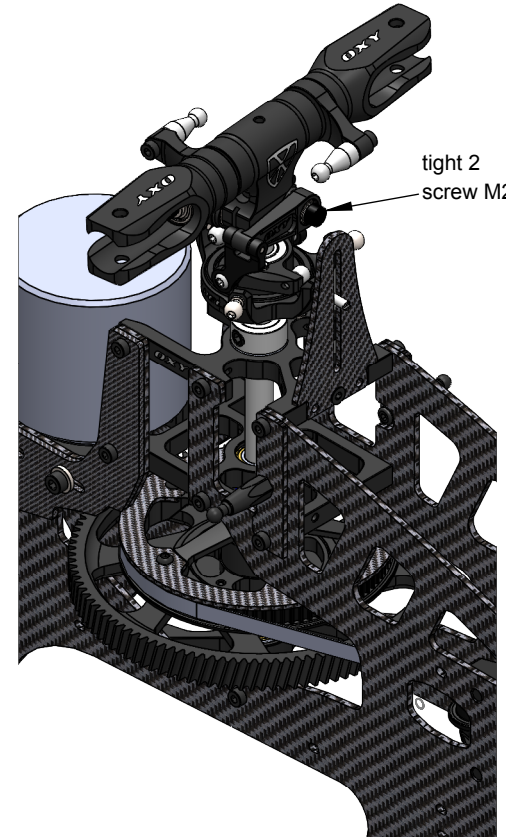


M2.5 Self Lock Nut

M2.5x12 Hex Cap Screw

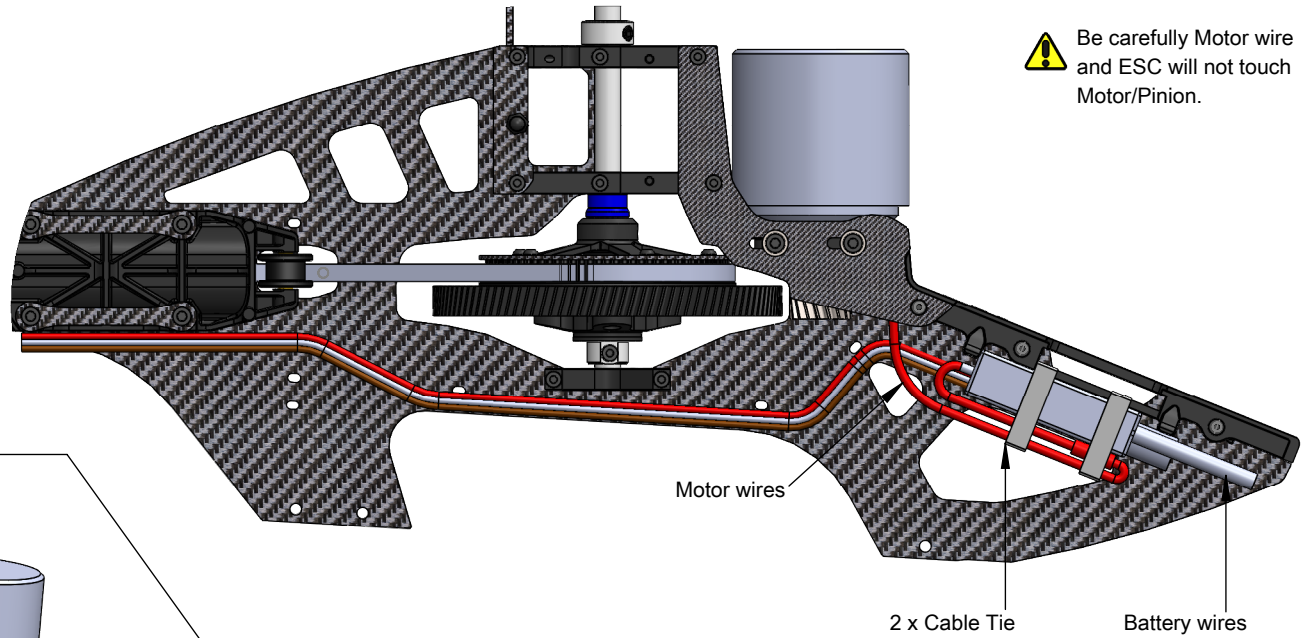
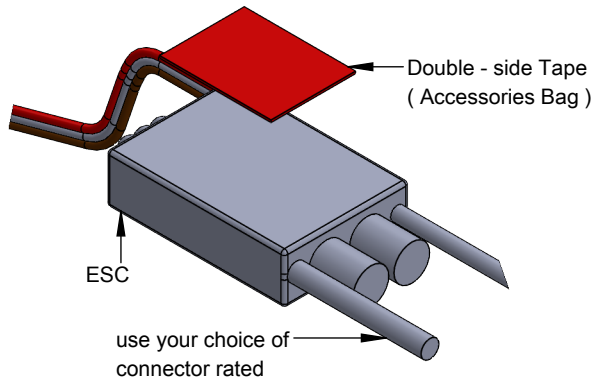


tight 2
screw M2.5x14

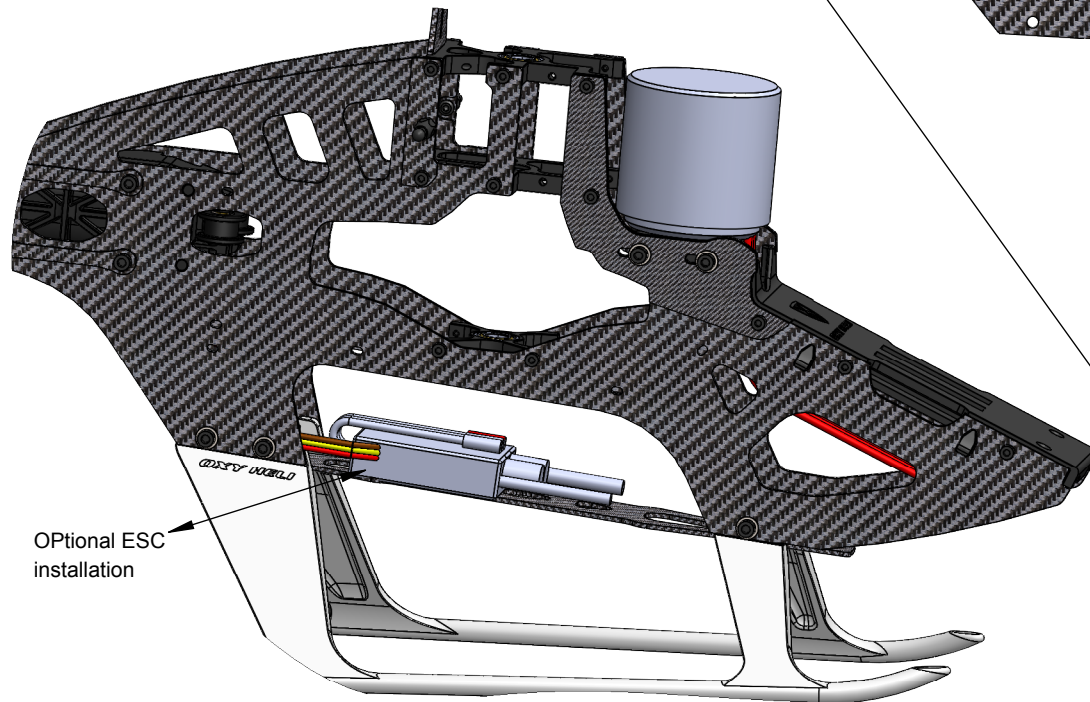


- You should now do some initial setup of your FBL unit and servos.
- We recommend you select a new model in your transmitter, and reset your FBL unit and start with a clean setup in it as well.
- After binding your transmitter to the receiver system used with the FBL unit, work your way through the FBL setup instructions to the point you plug in your servos.
- Now set your collective stick in the middle position, and position the servo arms as close to the correct positions you can on each servo see the following pages for arm orientations on the various servos.
- Next confirm the servos work in the correct direction, then return the collective stick to the center position.
- Now use your FBL unit to trim the servos so the arms are exactly horizontal (see pictures below).
- This procedure varies between units. Carefully label the position of the servos, then proceed with the installation of the servos as shown.

<p>Linkage Ball Position</p> <p>7.50 10 After Cut OXY0085 - Servo Arm (Box 3/ Bag 19)</p>	<p>OXY0716 - PL linkage Bal OXY0667 - Pitch Rod 10.25mm</p> <p>! It is really important the servo rods screw onto the linkages the same amount. The Plastic ball links have a Lynx logo to give you information about turn adjustment, but have a symmetrical ball socket shape and can be installed in either direction to achieve the best fine tuning.</p>	<p>Front Cyclic Servo</p> <p>OXY0085 - Servo Arm OXY0092 - Linkage Ball OXY0108 - M2 Hex Nut loctite 243</p>	
<p>Left Cyclic Servo</p> <p>OXY0108 - M2 Hex Nut OXY0092 - Linkage Ball OXY0085 - Servo Arm loctite 243</p>	<p>Right Cyclic Servo</p> <p>OXY0085 - Servo Arm OXY0108 - M2 Hex Nut OXY0092 - Linkage Ball loctite 243</p>	<p>Tail Servo</p> <p>OXY0108 - M2 Hex Nut OXY0085 - Servo Arm OXY0092 - Linkage Ball loctite 243</p>	<p>Optional Tail Servo</p> <p>Mini Servo Mini tail servo spacer OXY0736 - CF Tail Servo Stiffener Max 15mm 4 x M2x8 Self Tapping Screw CA Glue</p>

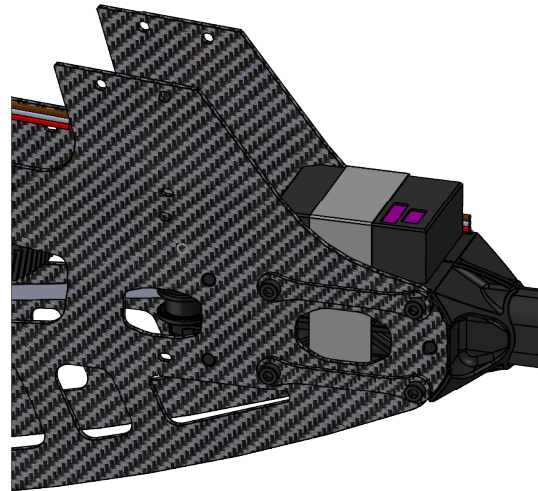
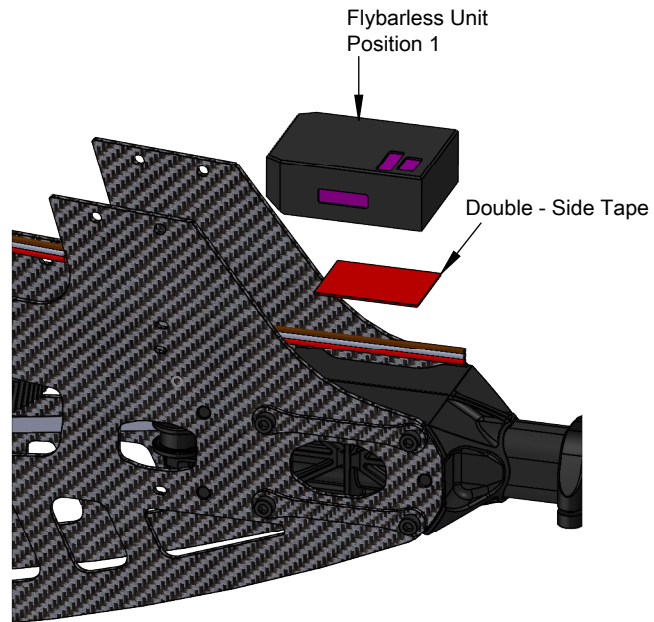


⚠ Be carefully Motor wire and ESC will not touch Motor/Pinion.

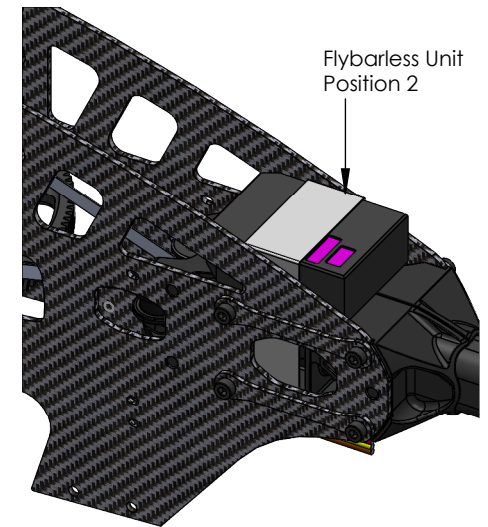


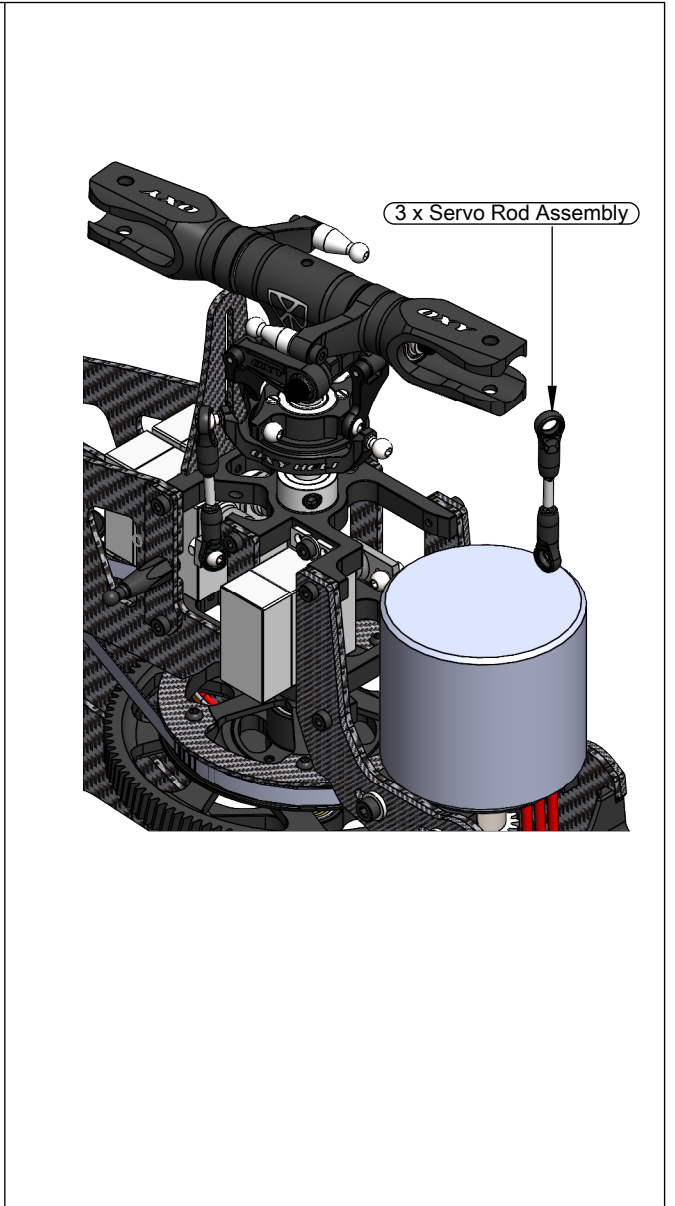
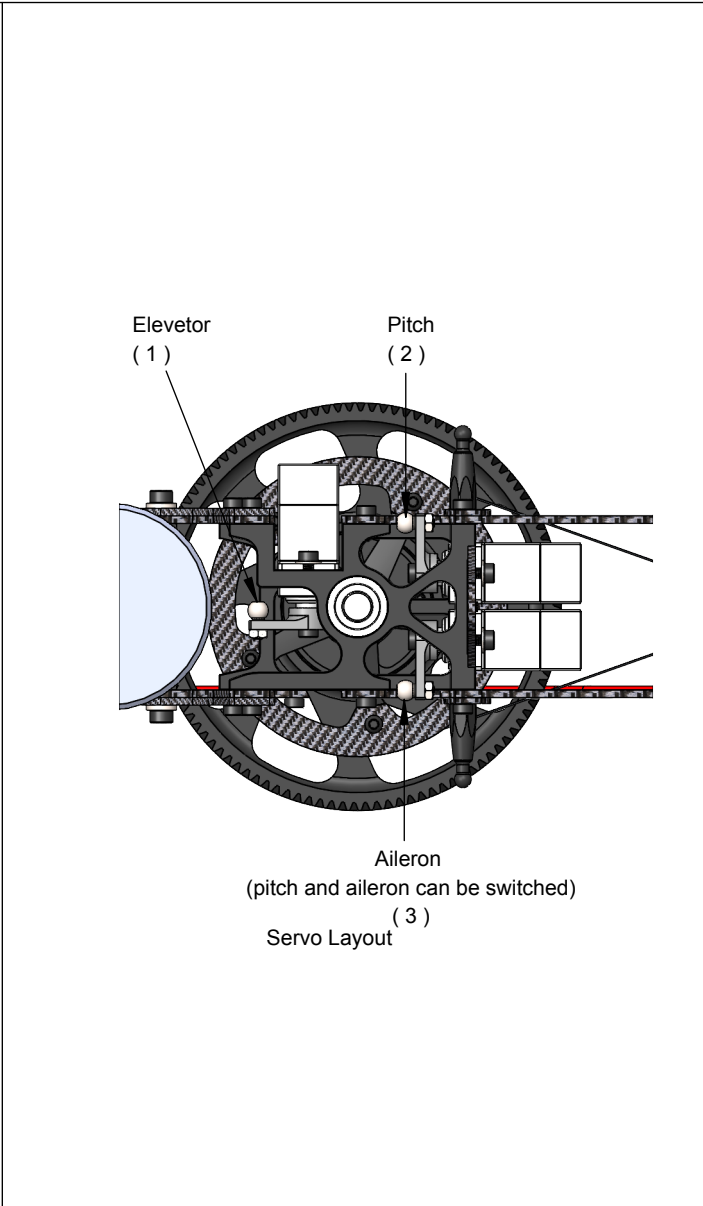
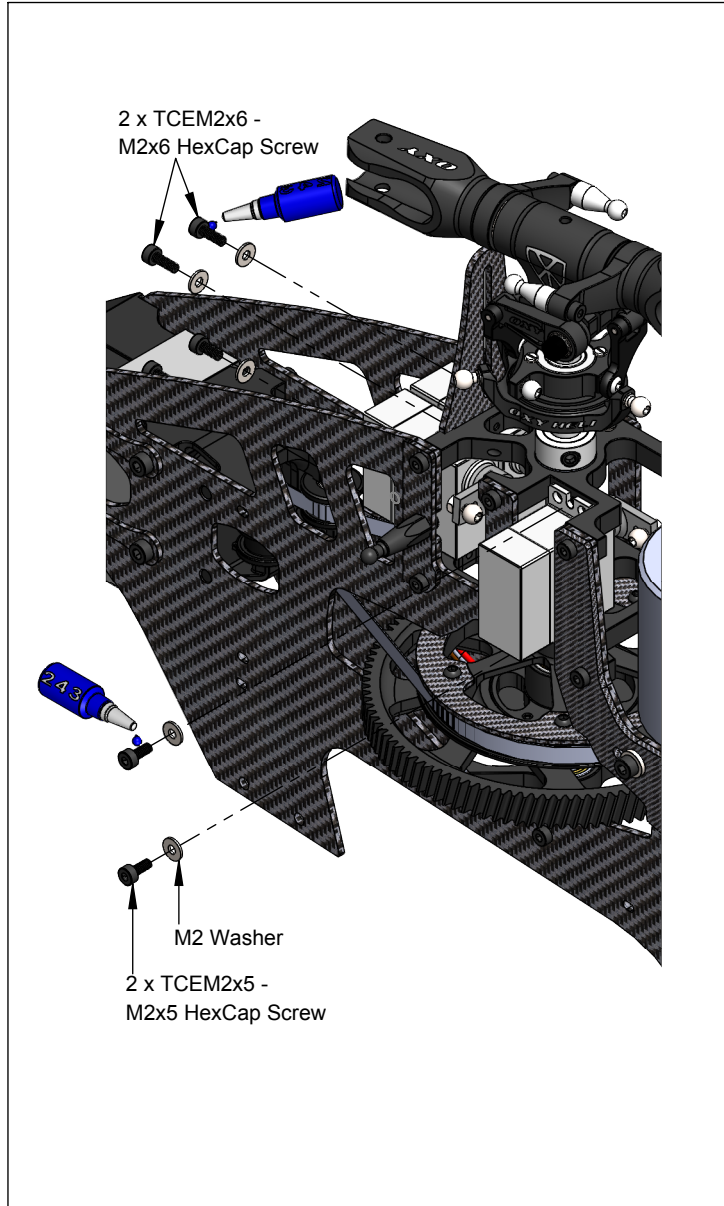
Use 3 x cable ties, to secure the Throttle ESC wire to the main frame. Use the Frame built-in socket for best holding. In this Step connect the Motor and ESC Wires but don't secure yet. Wait till the final motor rotation check, once the FBL system is set up.
 NOTE: To reverse Motor rotation direction , just switch 2 of the 3 wires.

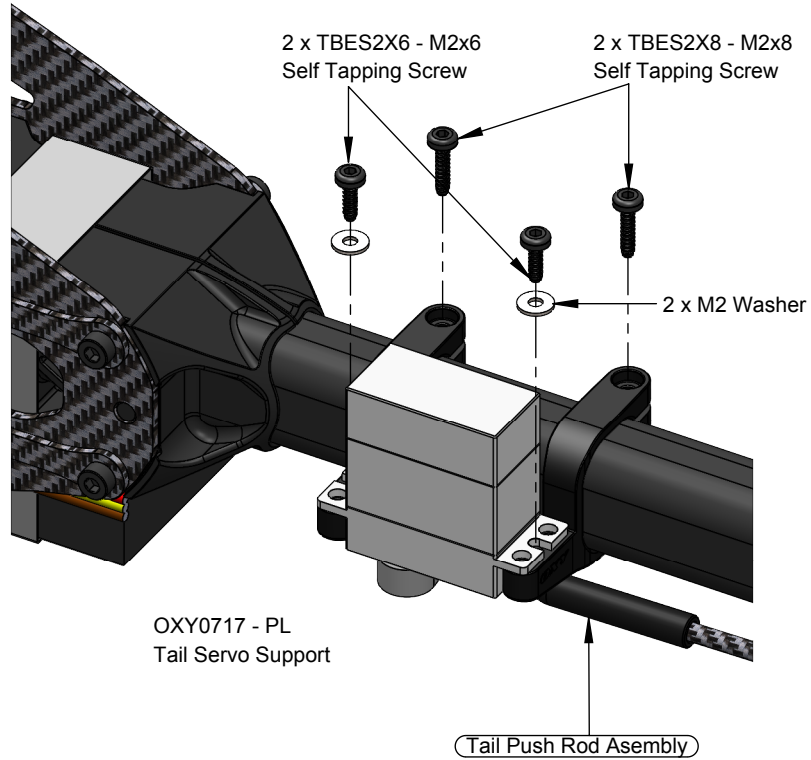
For extra FBL support we suggest to add Electronic Hook and Loop as shown.



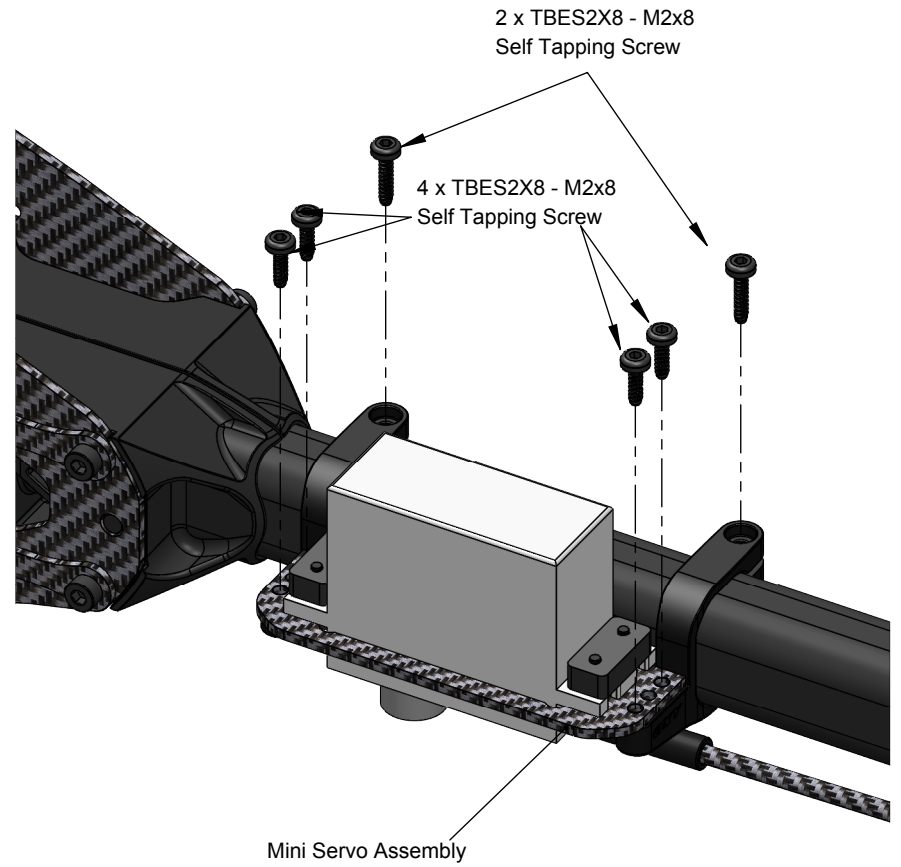
The FBL system can be installed at the bottom or top of the boom clamp. We suggest to use the bottom for easy wiring and servo removal.





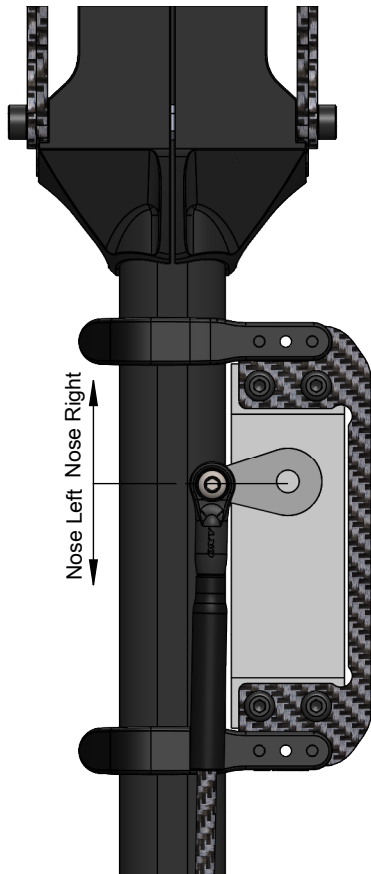


Optional Tail Servo Installation





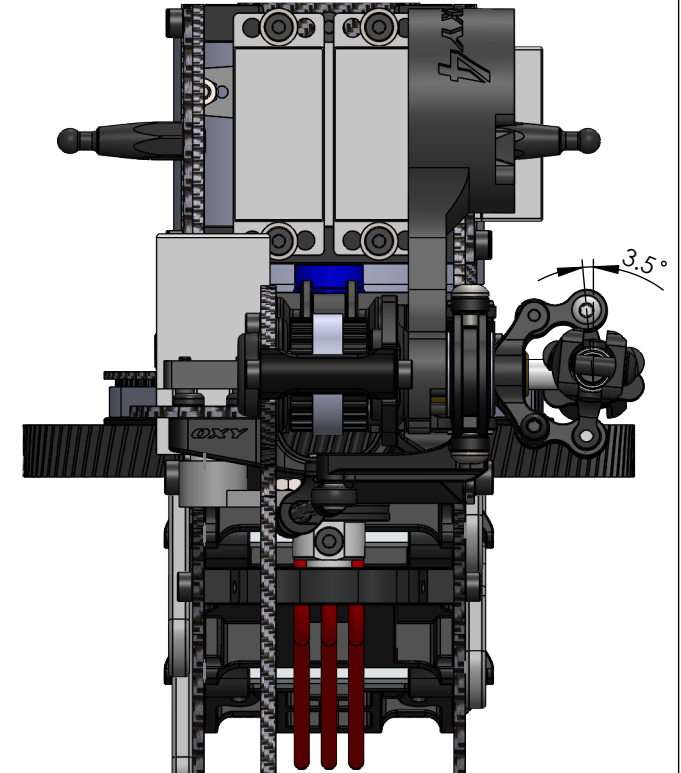
Arm position with centered Rudder stick.



Leveler
(Accessories Bag)

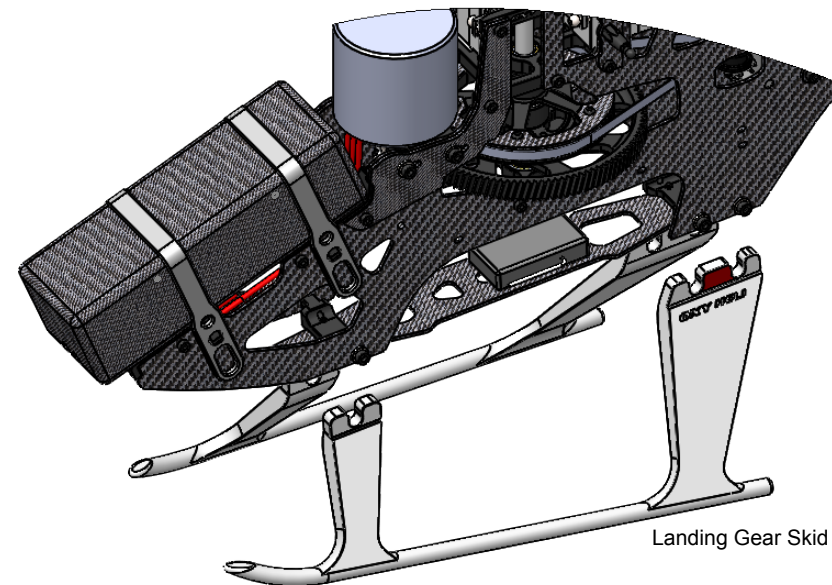
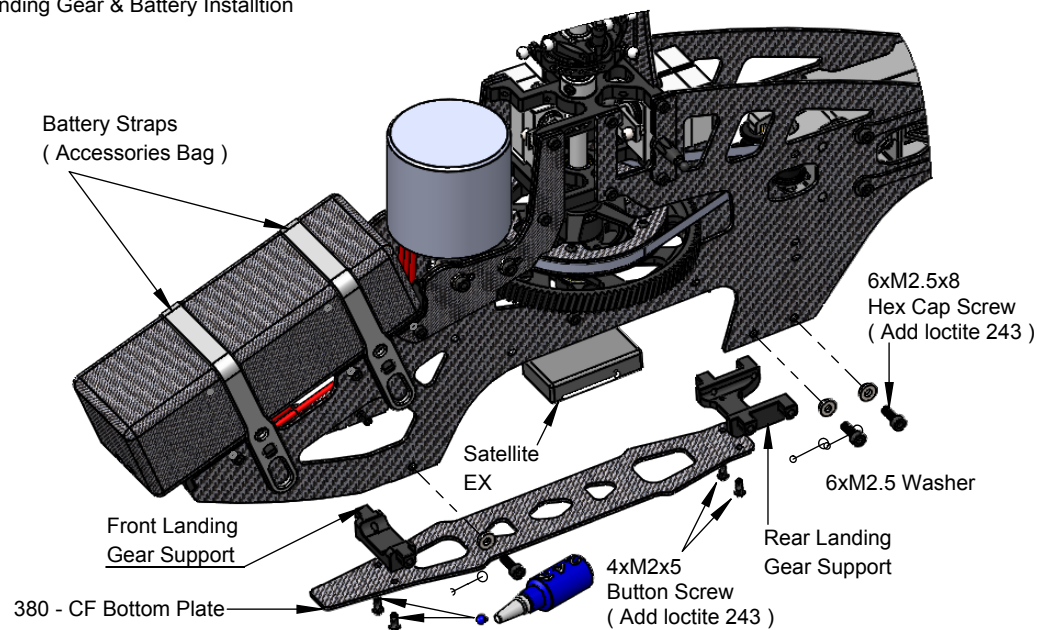


With Rudder Stick centered and the Tail Servo Arm in the center position, adjust the Tail Push Rod length until the Tail Bell Crank and Tail Case Plate are parallel as shown.

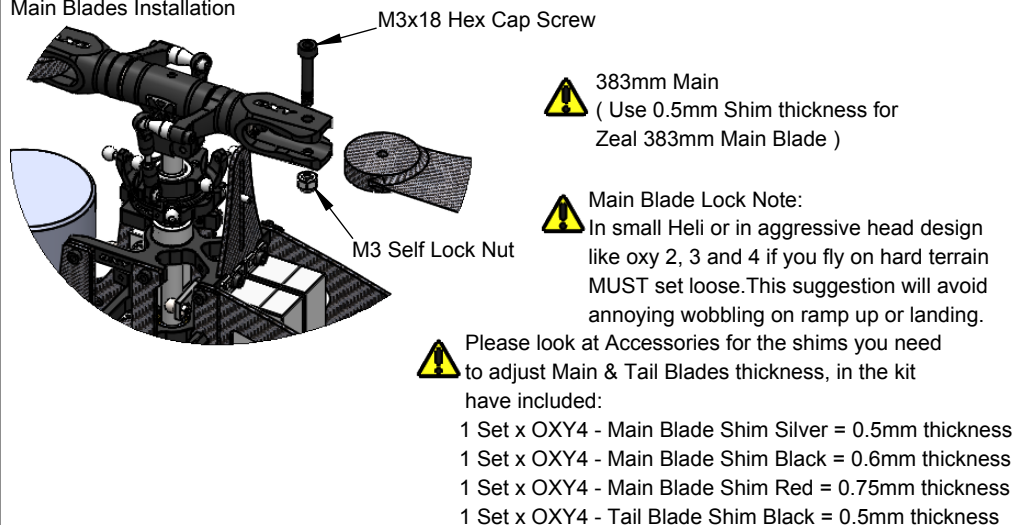


The Oxy 4 Tail System has approximately 3.5 of counter torque with the Tail Bell Crank set per instructions.

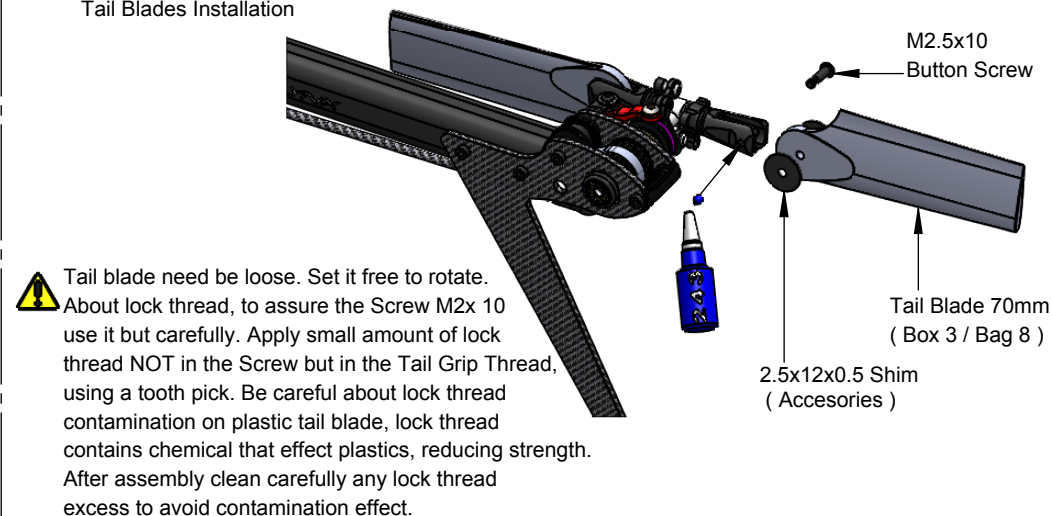
Landing Gear & Battery Installation



Main Blades Installation



Tail Blades Installation



Before Fly:

Now complete the setup of your FBL system. In the Accessories Bag you will find an Oxy 4 Swash Plate Leveler.

This Tool is designed to fit under the Swash Plate without disassembly any parts. This simple tool will both level the swash and give the Zero Pitch Position.

Starting gyro gain: The Oxy 4 was designed around famous FBL Systems (IKON / Brain / mini V-Bar), and we suggest you start with the following standard set up and adjust after test flying.

Cyclic Set Up:

Use suggested settings for 450 Helicopters and adjust after test flights.


See our table on page 6 for RPM and Pitch Settings. Cyclic Max pitch should be +/- 10.5 deg.

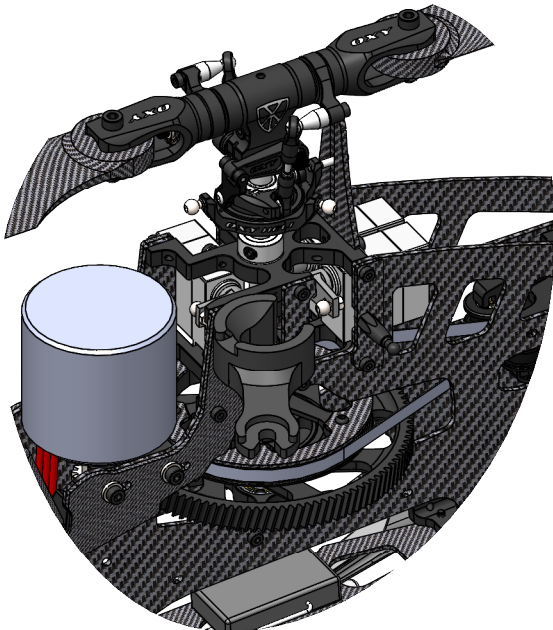
Tail Set Up:

Use the suggested settings for 450 Helicopters BUT start with a LOWER Tail Gain (Increase after test per need)

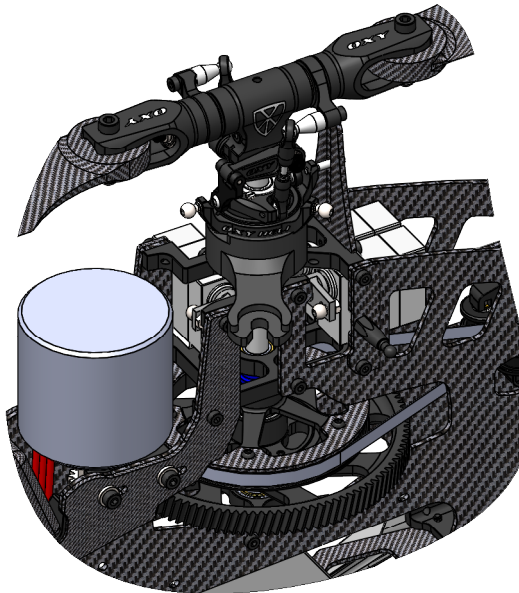
IKON / Brain = 20%


Mini V-Bar = 250 Heli suggested gain.

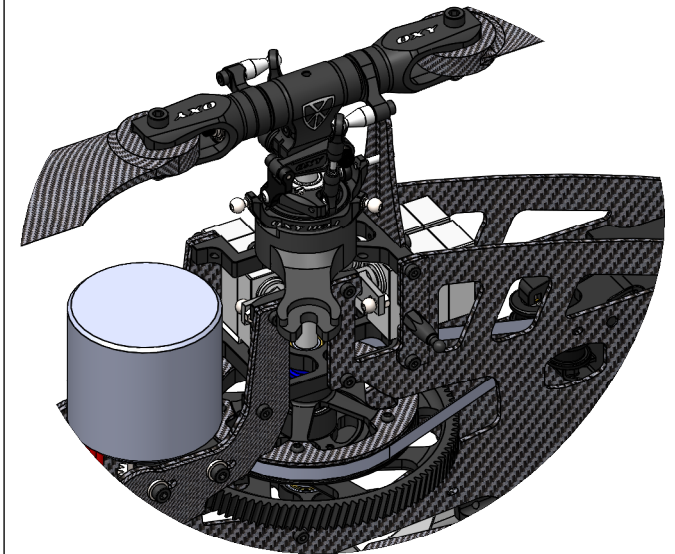
 Lift up swash plate as shown to have space for inserting Leveler.

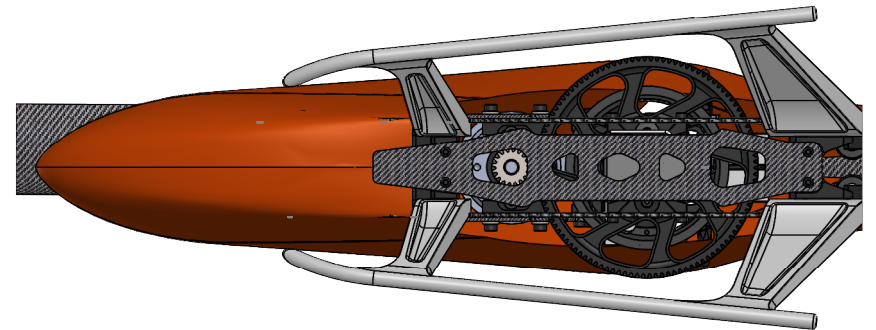
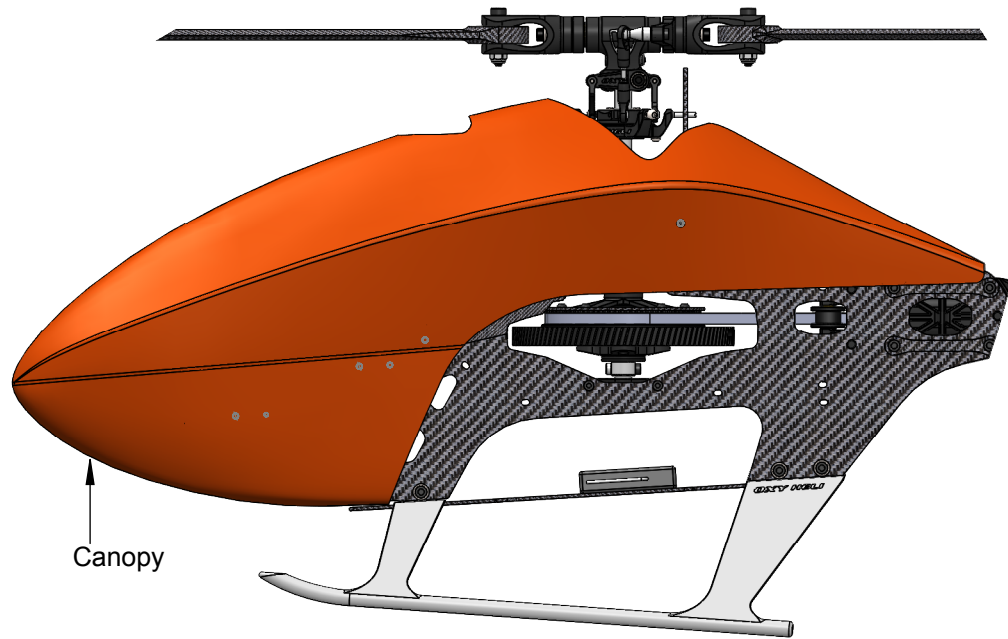


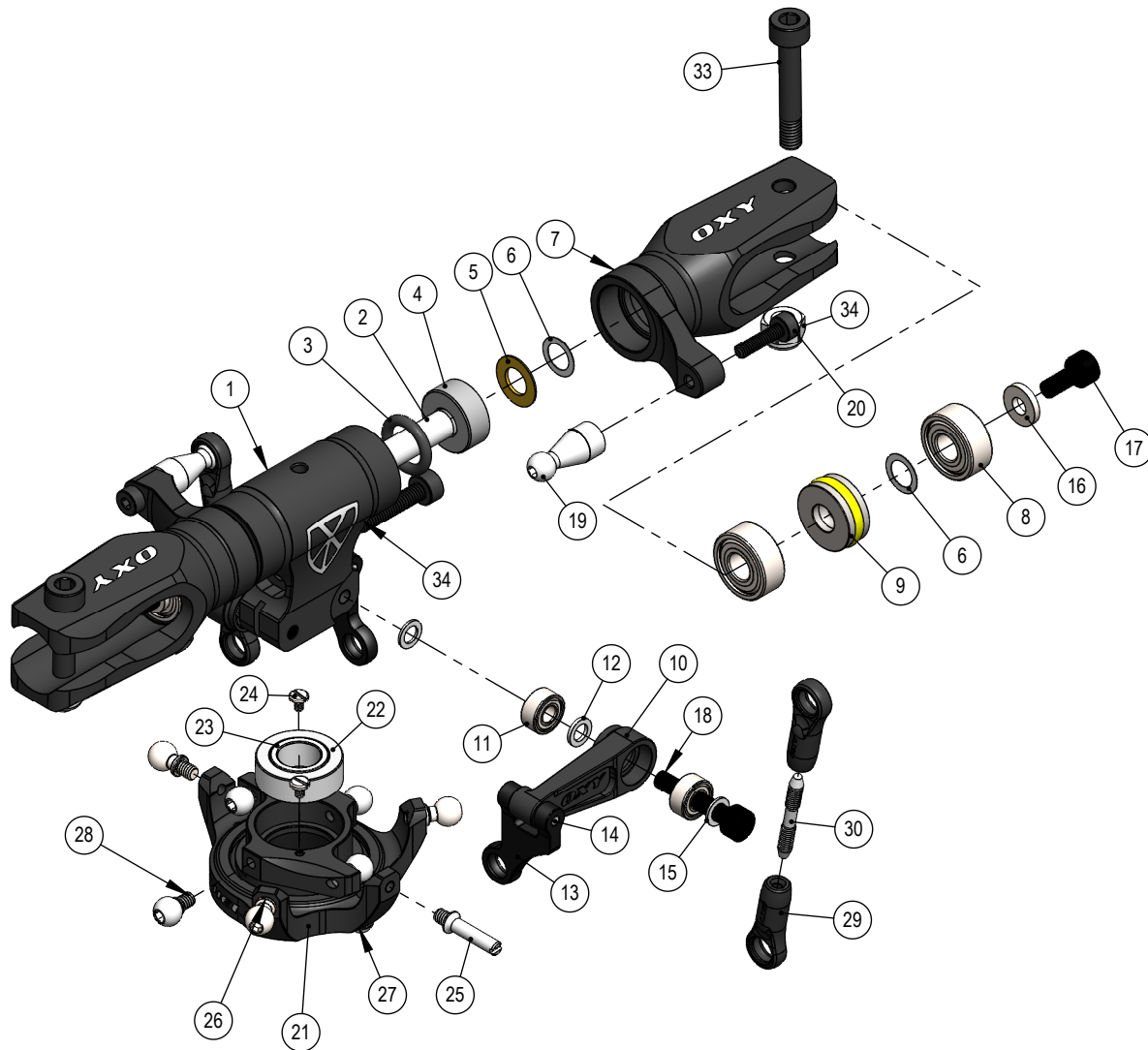
 Rotate Leveler as shown



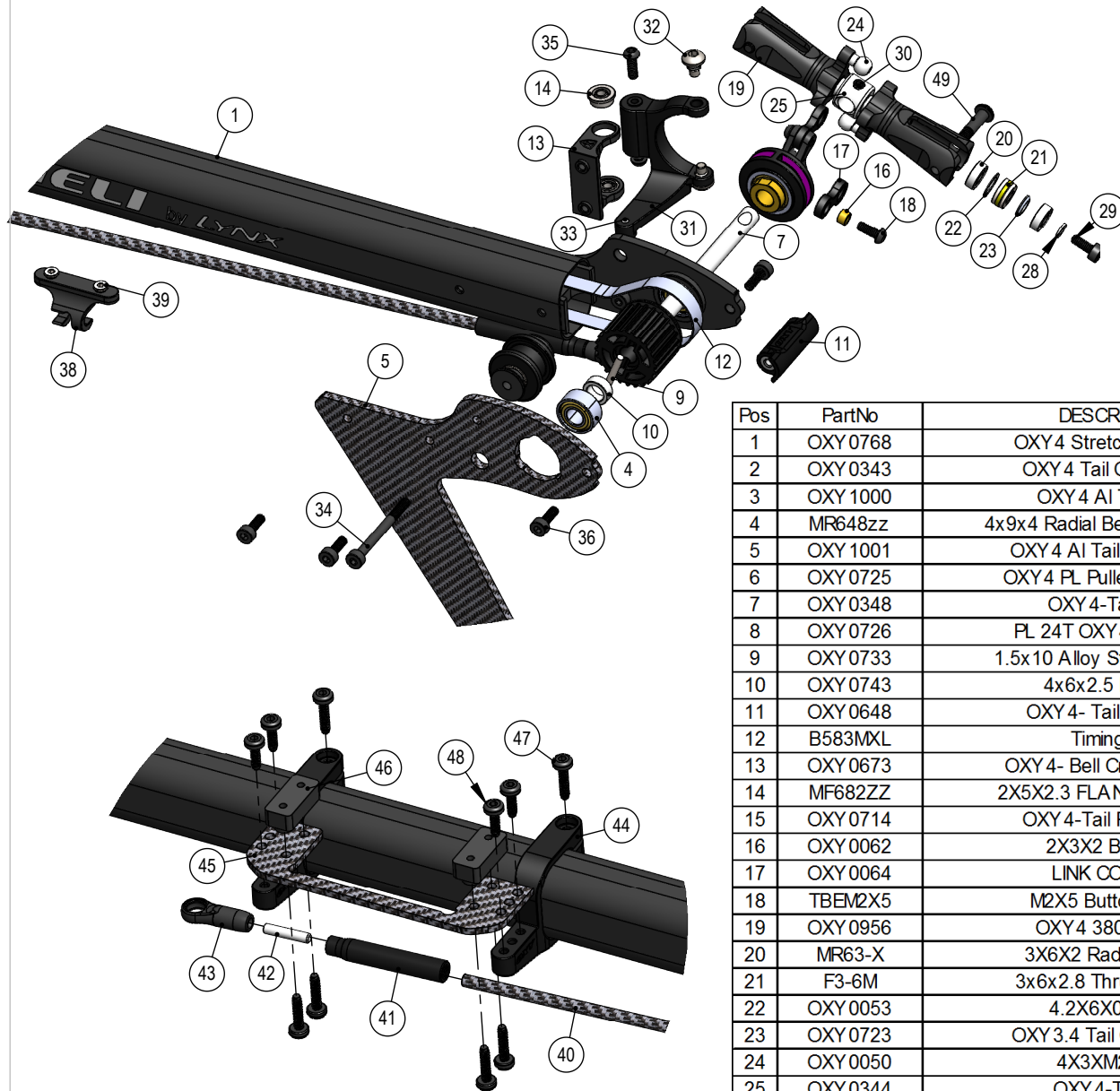
 Lower Swash Plate down until Swash Plate touch Leveler as shown.



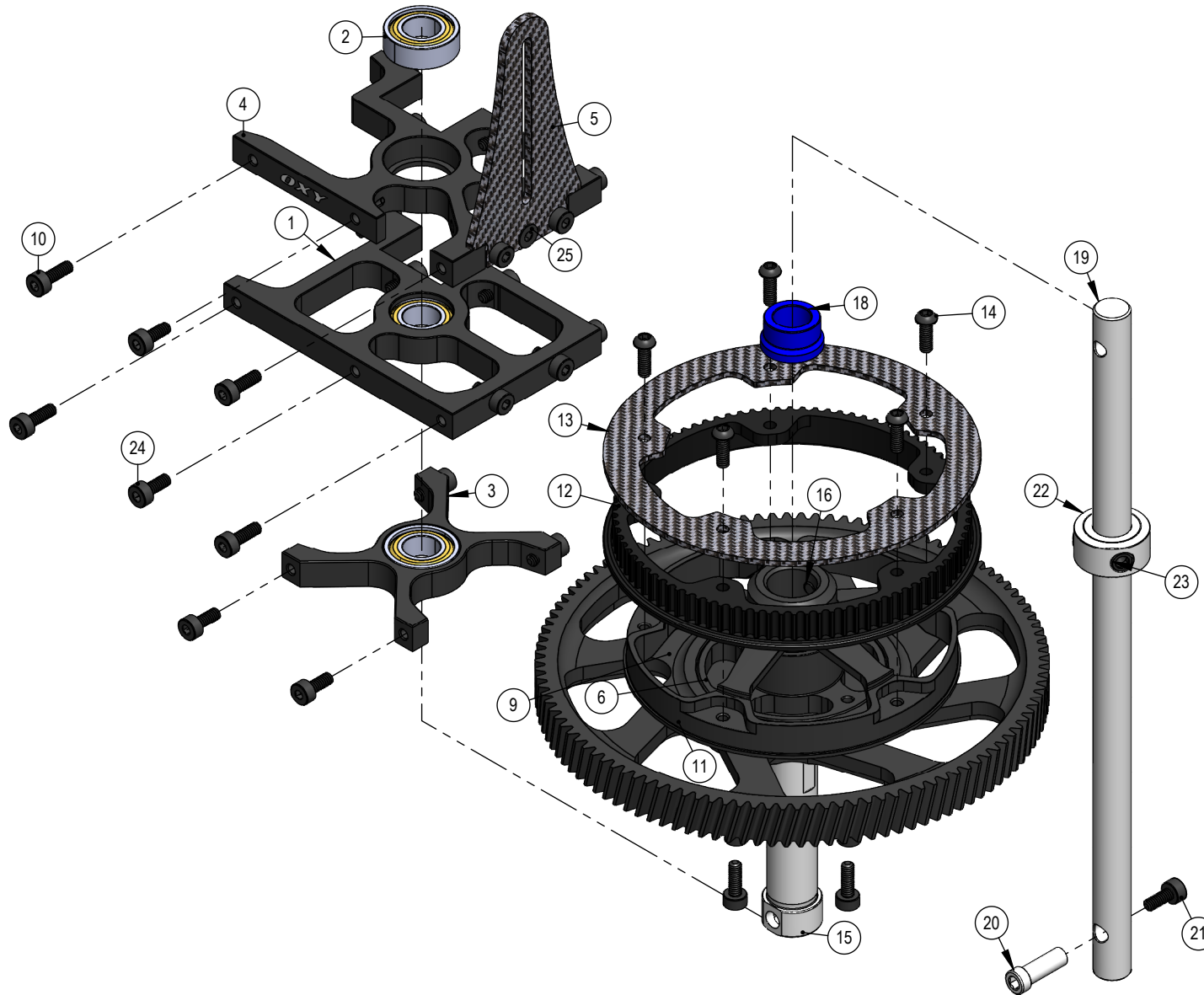




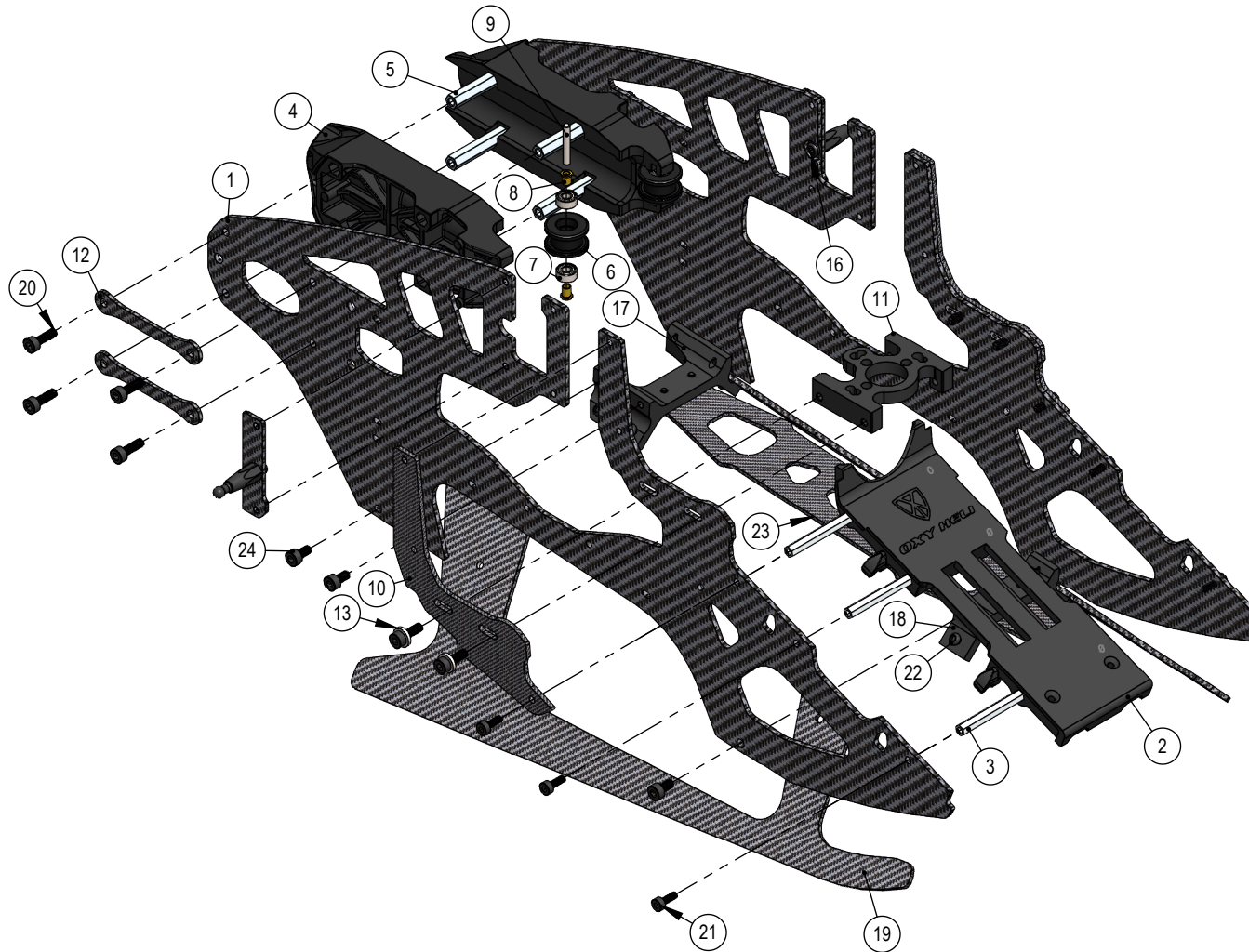
Pos	PartNo	DESCRIPTION	QTY.
1	OXY0324	Center Hub	1
2	OXY0339	OXY 4-Spindle Shaft	1
3	OR6x 1.5	Oring ID6x1.5 Shore 80-90	2
4	OXY0325	OXY 4-Damperner Bushing	2
5	OXY0680	OXY 4-Damperner Spacer	2
6	OXY0361	Shim 4x6x0.1	4
7	OXY0333	OXY 4-Main Grip	2
8	MR104_ZZC	4X10X4 RADIAL BEARING	4
9	F4-10G	4X10X4 Thrust Bearing	2
10	OXY0649	OXY 4 Follow er Arm	2
11	SMR682Z-ZZ	2.5X6X2.6 Radial Bearing	4
12	OXY0870	2.5X4X0.5 Washer	2
13	OXY0080	UNIBALL RADIUS ARM	2
14	OXY0089	1.5x9.5 Alloy Steel Dow el Pin	2
15	OXY0873	2.6x4.5x0.35 Spacer	4
16	OXY0332	M2.5 Washer	2
17	TCEM2.5X6	M2.5X6 Hex Cap Screw	2
18	TCEM2.5X14	M2.5x14 Hex Cap Screw	2
19	OXY0903	4mm FBL Nut Ball	2
20	TCEM2X8	M2X8 Hex Cap Screw	2
21	OXY0696	OXY 4 Low er Sw ash Plate	1
22	OXY0694	OXY 4 Ball Holder	1
23	OXY0695	OXY 4 Center Ball	1
24	OXY0020	M1.2x2 Special Screw	2
25	OXY0018	2x11.5 ANTIROTATION PIN	1
26	OXY0019	M2 WASH PLATE BALL	3
27	OXY0111	M1.6X3 Button Screw	2
28	OXY0043	4X2 LINKAGE BALL	4
29	OXY0716	4mm PL linkage Ball M2 thread	4
30	OXY0750	M2x15 Partial Thread	2
31	SLNM2.5	M2.5 Self Lock Nut	1
32	TCEM2.5x12	M2.5X12 Hex Cap Screw	1
33	TCEM3X18	M3X18 Hex Cap Screw Shouldered	2
34	SLNM3	M3 Self Lock Nut	2



Pos	PartNo	DESCRIPTION	QTY.	Pos	PartNo	DESCRIPTION	QTY.
1	OXY0768	OXY4 Stretch Tail Boom	1	26	OR-ID2_W1	O-RING ID2 W1	2
2	OXY0343	OXY4 Tail Case Insert	1	27	OXY0054	3X4X0.1 Shim	2
3	OXY1000	OXY4 AI Tail Case	1	28	OXY0055	2X3.5X0.5 Washer	2
4	MF648zz	4x9x4 Radial Bearing (Japan)	2	29	TCEM2X5	M2X5 Hex Cap Screw	3
5	OXY1001	OXY4 AI Tail Fin Adapter	1	30	SCM3x3	Flat-Tip Set Screw M3x3	1
6	OXY0725	OXY4 PL Pulley Guide Belt	1	31	OXY0724	OXY4-Tail Bell Crank	1
7	OXY0348	OXY4-Tail Shaft	1	32	OXY0057	Tail Pin Screw	2
8	OXY0726	PL 24T OXY4 Tail Pulley	1	33	OXY0092	4X2X4.2 M2 Linkage Ball	1
9	OXY0733	1.5x10 Alloy Steel Dow el Pin	1	34	TCEM2X22	M2X22 Shouldered Hex Cap Screw	1
10	OXY0743	4x6x2.5 Bushing	1	35	TBEM2X6	M2X6 Button Screw	2
11	OXY0648	OXY4- Tail Case Rod	1	36	TCEM2X6	M2X6 Hex Cap Screw	6
12	B583MXL	Timing Belt	1	37	OXY1009	OXY4-380 - Vertical Fin Plate	1
13	OXY0673	OXY4- Bell Crank Support	1	38	OXY0620	OXY3-OXY4-TE Guide Push Rod	1
14	MF682ZZ	2X5X2.3 FLANGE BEARING	2	39	OXY0539	M2.5 Pin Screw	2
15	OXY0714	OXY4-Tail Pitch Slider	1	40	OXY0758	OXY4- Stretch Tail Push Rod	1
16	OXY0062	2X3X2 BUSHING	2	41	OXY0735	OXY4 - Tail Push Rod terminal	2
17	OXY0064	LINK CONTROL	2	42	OXY0666	OXY4 SST Threaded Rod M2X10	2
18	TBEM2X5	M2X5 Button Screw	2	43	OXY0716	4mm PL linkage Ball M2 thread	2
19	OXY0956	OXY4 380 Tail Grip	2	44	OXY0717	OXY4 PL Tail Servo Support	2
20	MR63-X	3X6X2 Radial Bearing	4	45	OXY0736	OXY4 - CF Tail Servo Stiffener	1
21	F3-6M	3x6x2.8 Thrust Bearing	2	46	OXY0770	Mini Tail Servo Spacer	2
22	OXY0053	4.2X6X0.2 Shim	2	47	TBES2X8	M2X8 Self Tapping Screw	6
23	OXY0723	OXY3.4 Tail Grip Spacer	2	48	TBES2X6	M2X6 Self Tapping Screw	4
24	OXY0050	4X3XM2BALL	2	49	OXY1006	M2.5x10 Button Shoulder Screw	2
25	OXY0344	OXY4-Tail Hub	1				



Pos	PartNo	DESCRIPTION	QTY.
1	OXY0335	Middle Bearing Block	1
2	RM126-ZZ	6x12x4 Radial Bearing	3
3	OXY0331	LOWER BEARING BLOCK	1
4	OXY0352	Upper Bearing Block	1
5	OXY0711	OXY4- Anti rotation Guide	1
6	OXY0655	OXY4-One Way Hub	1
7	HF0812	One Way 8x12x12	1
8	MR148ZZ	8x14x3.5 Radial Bearing	2
9	OXY0993	Oxy 380 Main Gear	1
10	TCEM2X6	M2X6 Hex Cap Screw	14
11	OXY0657	OXY4- Front Pulley Hub	1
12	OXY0721	OXY4 88T Front Pulley	1
13	OXY0658	OXY4- Front Flange Pulley	1
14	TBEM2X6	M2X6 Button Screw	5
15	OXY0654	OXY4 One Way Sleeve	1
16	SCM3x3	Flat-Tip Set Screw M3x3	2
18	OXY1011	Main Gear Bushing Adapter	1
19	OXY0927	OXY4 380 Main Shaft	1
20	OXY0656	OXY4 One Way Screw	1
21	TCEM2X4	M2X4 HEX CAP SCREW	1
22	OXY0334	OXY4 Main Shaft Lock Ring	1
23	SCM4X3	M4x3 Flat-Tip Set Screw	2
24	TCEM2X5	M2X5 Hex Cap Screw	12
25	FHSM2X4	M2x4 Flat Head Screw	1



Pos	PartNo	DESCRIPTION	QTY.
1	OXY0954	OXY 4 380 Main Frame	2
2	OXY0722	OXY 4 PL Battery Tray	1
3	OXY0665	OX4 H3x32 M2	3
4	OXY0683	OXY 4- Boom Clamp	2
5	OXY0660	OXY 4 H4x32mm M2.5	4
6	OXY0725	OXY 4 PL Pulley Guide Belt	2
7	SMR682Z-ZZ	2.5X6X2.6 Radial Bearing	4
8	OXY0668	OXY 4 Bell Crank Bushing	4
9	OXY0023	2X13.5 PIN	2
10	OXY1017	OXY 4-380 CF Motor Mount Stiffener	2
11	OXY0951	OXY 4 380 Motor Mount	1
12	OXY0663	OXY 4 Boom Clamp Stiffener CF	4
13	OXY0332	M2.5 Washer	4
14	OXY0425	OXY 4 - Break Aw ay Canopy	2
15	OXY0082	Canopy Mount	2
16	TBES2X6	M2X6 Self Tapping Screw	2
17	OXY0901	OXY 4-AL Back Landing Gear Support	1
18	OXY0900	OXY 4-AL Front Landing Gear Support	1
19	OXY1010	OXY 4-380 - Landing Gear Skid	2
20	TCEM2.5x8	M2.5X8 Hex Cap Screw	12
21	TCEM2X6	M2X6 Hex Cap Screw	6
22	TBEM2X5	M2X5 Button Screw	10
23	OXY0955	OXY 4 380 Bottom Plate	1
24	TCEM2.5X5	M2.5X5 Hex Cap Screw	6




OSP - 1002
OXY4 - Center Hub



1 x Center Hub
 1 x M2.5x12 Hex Cap Screw
 2 x M2X6 Hex Cap Screw
 1 x M2.5 Self Lock Nut

OSP-1202
OXY4 CNC Main Grip, Black - 1 Pcs



2 x Main Grip Assembly
 2 x M3X18 Shouldered Hex Cap Screw
 2 x M3 Self Lock Nut

OSP - 1004
OXY4 - Main Grip Service Bag




2 x 4X10X4 Thrust Bearing
 4 x 4X10X4 RadialL Bearing
 2 x Shim 4x6x0.1

OSP - 1010
OXY4 - Carbon Steel Spindle Shaft



1 x OXY4-Spindle Shaft
 2 x M2.5 Washer
 2 x M2.5X6 Hex Cap Screw

OSP - 1011
OXY4 - Dampeners, 2 Set



4 x OXY4-Dampener Bushing
 4 x Oring ID6x1.5
 4 x OXY4-Dampener Spacer
 4 x Shim 4x6x0.1

SP-0059-OXY4
FBL-Head-System



SP-0076-OXY4
FBL-Antirotation-Arm, Service-Bag



OSP - 1057
OXY4 - DFC Arm -Spacer Set, 4Pcs



4 x M2X18 Hex Cap Screw
 4 x 2X3.5X0.5 Washer
 4 x OXY4 - Main Grip Bushing - Black

OSP - 1005
OXY4 - Swashplate, Set



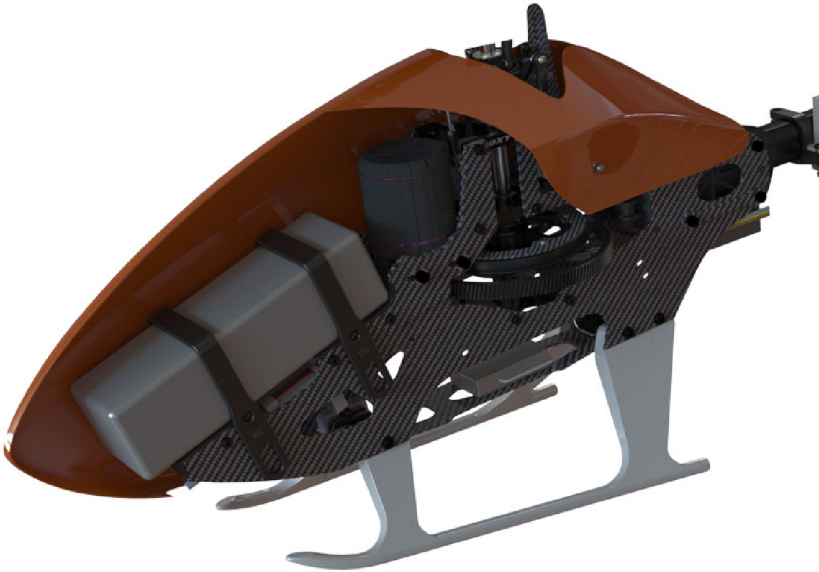

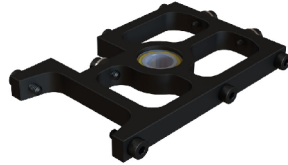



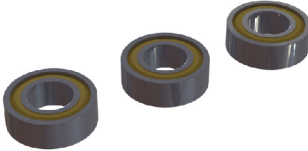



1 x Swash Plate, Set

OSP - 1006
OXY4 - Swashplate - Service Bag



1 x OXY4 Ball Holder
 1 x OXY4 Center Ball
 2 x M1.2x2 Special Screw
 1 x 2x11.5 Anti Rotation Pin
 3 x M2 Wash Plate Ball
 4x Linkage Ball

<p>OSP-1008 OXY4 - PL Linkage Ball, 10pcs</p> 	<p>OSP-1012 Threaded Rod M2x10</p> 	<p>OSP - 1048 Threaded Rod M2x20</p> 	<p>SP-OXY3-036 OXY3 - Servo Arm Set, 4 PC</p>  <p>4 x Servo Arm 4 x linkage Ball 4 x Hex Nut</p>	<p>OSP-1103 FBL-Linkage-Ball-Screw</p> 
<p>10 x Plastic Linkage Ball</p> <p>OSP-1124 OXY3-OXY4-DFC-Set</p> 	<p>10 x M2x10 Threaded Rod</p> <p>SP-0007 OXY4-DFC-Arm,Service-Bag</p> 	<p>10 x Threaded Rod M2X20</p> <p>OSP - 1013 OXY4 - Blade Holder</p>  <p>1 x OXY4 Blade Holder</p>	<p>ZHM-NRG325C</p>  <p>1 x ZEAL Energy Carbon Fiber Main Blades 325mm (Neon Orange)</p>	<p>M2x6CS-10 - Hex Cap Screw M2x6, 10 PCS</p>  <p>10 x Hex Cap Screw M2x6</p>
<p>M2.5x6CS-10 - Hex Cap Screw M2x6, 10 PCS</p>  <p>10 x Hex Cap Screw M2.5x6</p>	<p>M2.5x12CS-10 - Hex Cap Screw M2.5x12, 10 PCS</p>  <p>10 x Hex Cap Screw M2.5x12</p>	<p>M2.5-SLN-10 Self Lock Nut M2.5</p>  <p>10 x 10 Self Lock Nut M2.5</p>	<p>M3-SLN-10 Self Lock Nut M3</p>  <p>10 x 10 Self Lock Nut M3</p>	<p>SP-0072 OXY4 - Main Blade Shim Set</p>  <p>4 x 3x15x0.5 Shim 4 x 3x15x0.6 Shim 4 x 3x15x0.7 Shim</p>

	<p>OSP - 1019 OXY4 - Upper Main Shaft Bearing Block</p>  <p>1 x Upper Bearing Block 1 x 6x12x4 Radial Bearing 1 x M2x4 Flat Head Screw 3 x Washer M2 3 x M2X5 Hex Cap Screw 6 x M2X6 Hex Cap Screw</p>	<p>OSP - 1020 OXY4 - Middle Main Shaft Bearing Block</p>  <p>1 x Lower Bearing Block 1 x 6x12x4 Radial Bearing 3 x Washer M2 5 x M2X5 Hex Cap Screw 4 x M2X6 Hex Cap Screw</p>	<p>OSP - 1021 OXY4 - Lower Main Shaft Bearing Block</p>  <p>1 x Lower Bearing Block 1 x 6x12x4 Radial Bearing 4 x M2X5 Hex Cap Screw</p>	
	<p>OSP - 1022 OXY4 - Motor Mount</p>  <p>1 x OXY4-Motor Mount 4 x M2.5 Washer 8 x M2.5X8 Hex Cap Screw</p>	<p>OSP - 1017 OXY4 - Tail Boom Clamp Mount, Set</p>  <p>2 x OXY4 Boom Clamp 4 x OXY4 H4x32mm M2.5 4 x OXY4 Boom Clamp Stiffener 8 x M2.5X8 Hex Cap Screw</p>	<p>OSP - 1023 OXY4 - Main Shaft Bearing Block - Service Bag</p>  <p>3 x 6x12x4 Radial Bearing</p>	
<p>OSP - 1018 OXY4 - Boom Mount Lock Rod</p>  <p>4 x OXY4 H4x32mm M2.5 8 x M2.5X8 Hex Cap Screw</p>	<p>OSP - 1024 OXY4 - Break Away Canopy Plate</p>  <p>2 x Break Away Canopy Plate</p>	<p>OSP - 1026 OXY4 - Carbon Anti Rotation Guide</p>  <p>1 x OXY4 - Anti rotation Guide</p>		

<p>OSP-1224-OXY4 380-AL-landing-Gear-Support,-Black-Set</p> 	<p>OSP-1223 OXY4-380 Landing Gear Skid, White</p> 	<p>OSP - 1027 OXY4 - Belt Pulley Guide, Set</p> 	<p>OSP-1187 OXY4-380-CNC-Main-Gear</p> 	<p>OSP - 1029 OXY4 - One Way Hub Assembly</p> 
<p>OSP - 1030 OXY4 - Front Pulley Assembly</p> 	<p>OSP - 1031 OXY4 - Front Pulley Spare</p> 	<p>OSP - 1032 OXY4-One Way Sleeve</p> 	<p>OSP - 1034 OXY4- Battery Tray</p> 	<p>SP-OXY3-015 - OXY3 - Battery Oring , 4PC</p> 
<p>OSP-1077 OXY3-OXY4 - Canopy Mount</p> 	<p>OSP-1073 OXY4 - Sleeve Locking Screw</p> 	<p>OSP - 1052 OXY4 - Boom Clamp Stiffener, 4Pcs</p> 	<p>M2.5x8CS-10 - Hex Cap Screw M2.5x8, 10 PCS</p> 	<p>M3x8CS-10 - Hex Cap Screw M3x8, 10 PCS</p> 
<p>4 x Canopy Mount 4 x Self Tapping Screw</p>	<p>2 x Sleeve Locking Screw 2 x M2x4 Hex Cap Screw</p>	<p>4 x OXY4 Boom Clamp Stiffener CF</p>	<p>10 x Hex Cap Screw M2.5x8, 10 PCS</p>	<p>10 x Hex Cap Screw M3x8, 10 PCS</p>

M2x6CS-10 -
Hex Cap Screw M2x6, 10 PCS



10 x Hex Cap Screw M2x6, 10 PCS

M2x5CS-10 -
Hex Cap Screw M2x5, 10 PCS



10 x Hex Cap Screw M2x5, 10 PCS

M2x4CS-10 -
Hex Cap Screw M2x4, 10 PCS



Hex Cap Screw M2x4, 10 PCS

M3x3SC-10 - Set Screw M3x3, 10 PCS



Set Screw M3x3, 10 PCS

M2x6BH-10 -
Button Hex Cap Screw M2x6, 10 PCS



Button Screw M2x6, 10 PCS

M2.5x8SBH-10
Self-TappingScrew M2.5x8, 10 PCS



10 x Self Tapping M2.5x8

	<p>OSP-1235 OXY4 - 380 Tail Shaft</p>  <p>1 x OXY4-Tail Shaft 1 x 1.5x9.5 Alloy Steel Dowel Pin 2 x Shim 4x6x0.1</p>	<p>OSP - 1036 OXY4 - Tail Case Hub</p>  <p>1 x OXY4 Tail Case Insert 4 x M2X6 Hex Cap Screw</p>	<p>OSP - 1037 OXY4 - Tail Case Cover</p>  <p>OXY4- Tail Case Rod M2X6 Hex Cap Screw</p>	
	<p>OSP-1178 OXY4-AL-Right-Tail-Case</p> 	<p>OSP-1234 OXY4 - 380 Tail Pitch Slider</p>  <p>1 x Pitch Slider, Set</p>	<p>OSP - 1040 OXY4 - Tail Bell Crank</p>  <p>1 x Tail Bell Crank, Set</p>	
<p>OSP - 1041 OXY4 - Bell Crank Support</p>  <p>OXY4 - Tail Bell Crank Support, Set</p>	<p>OSP - 1042 OXY4 - Tensioner Tail Belt</p>  <p>OXY4 - Tail Belt Tensioner, Set</p>	<p>OSP-1195 OXY4-380-Tail-Grip</p>  <p>1 x Tail Grip Assembly</p>	<p>OSP - 1032 OXY4 - Tail Rotor Hub, Spare</p>  <p>1 x OXY4-Tail Hub 1 x Set Screw M3x3 2 x M2X4 Hex Cap Screw 2 x 2X3.5X0.5 Washer</p>	<p>OSP-1154 OXY4 25T Tail Pulley</p>  <p>1 x 25T Tail Pulley 1 x Bushing 1 x Shim 4x6x0.1 1 x 1.5mm Pin</p>

<p>OSP-1068 OXY4 - Stretch Kit 360 Combo</p>  <p>2 x Tail STD Boom</p>	<p>OSP-1069 OXY4 - 360 Tail Boom</p>  <p>1 x 360mm Tail Boom</p>	<p>OSP-1070 OXY4 - 360 - Tail Push Rod</p> 	<p>OSP-1071 OXY4 360mm Timing Belt Spare , 1Pcs</p>  <p>1 x Timing Belt B557MXL 1 x Front Boom Insert</p>	<p>ZHT-070C ZEAL Carbon Fiber Tail Blades 70mm</p> 
<p>SP-OXY3-025 OXY3 - Tail Rotor - Service Bag</p>  <p>2 x Steel Ball 2 x Bearing Spacer 2 x Thrust Bearing 3x6x2.8 2 x Radial Bearing 3x6x2 2 x Radial Bearing 4x7x2.5 2 x Button Screw M2.5x10</p>	<p>OSP - 1053 OXY4 - 23T Tail Pulley</p>  <p>1 x 23T Tail Pulley 1 x Bushing 1 x Shim 4x6x0.1 1 x 1.5mm Pin</p>	<p>OSP - 1054 OXY4 - 24T Tail Pulley</p>  <p>1 x 24T Tail Pulley 1 x Bushing 1 x Shim 4x6x0.1 1 x 1.5mm Pin</p>	<p>OSP-1231 OXY4 Vertical Fin rev 2</p> 	<p>OSP-1051 OXY4 - Tail Blade 68mm - Black, 2Pcs</p> 
<p>SP-OXY3-028 - OXY3 Tail Pitch Slider - Service Bag</p>  <p>2 x Bushing 2 x Link Control 2 x M2x5 Button Screw</p>	<p>OSP-1049 OXY4 - Tail Servo Mount, Set</p>  <p>2 x Washer M2 2 x Self Tapping Screw M2x6 2 x Self Tapping Screw M2x8 2 x Tail Servo Mount</p>	<p>OSP-1074 OXY4 - Mini Servo Adapter</p>  <p>1 x Mini Tail Servo Adapter 2 x Spacer 2 x M2x6 Self Tapping Screw 2 x M2x8 Self Tapping Screw</p>	<p>OSP-1050 OXY4 - Tail Blade 62mm - Black, 2Pcs</p>  <p>2 x Tail Blade 62mm</p>	<p>2 x Tail Blade 68mm</p>

M3x3SC-10
Set Screw M3x3, 10 PCS



10 x Set Screw M3x3

M2x8SBH-10
Self-Tapping Button Hex Screw
M2x8, 10 PCS



10 x Self-Tapping Button Hex Screw M2x8

M2x6SBH-10
Self-Tapping Button Hex Screw
M2x6, 10 PCS



10 x Self-Tapping Button Hex Screw M2x6

M2x5CS-10
Hex Cap Screw M2x5, 10 PCS



10 x Hex Cap Screw M2x5

M2x6BH-10
Button Hex Cap Screw M2x6, 10 PCS









10 x Button Screw M2x6

M2x5BH-10
Button Hex Cap Screw M2x5, 10 PCS



10 x Button Screw M2x5

<p>OSP-1055 OXY4 - Leveler Tool</p> 	<p>OSP-1056 OXY4 - Vertical Fin Sticker</p> 	<p>SP-OXY3-054 OXY3 - Battery Hook & Loop, 2 Set</p> 	<p>SP-OXY3-055 - OXY3 Double Side Adhesive Tape, 2PC</p> 	<p>SP-OXY3-057 OXY3 - Cable Ties Set</p> 
<p>1 x Leveler Tool M3x18CS-10 Hex Cap Screw M3x18, 10 PCS</p> 	<p>M3x3SC-10 Set Screw M3x3, 10 PCS</p> 	<p>2 x OXY3 - Battery Hook & Loop, 2 Set M2.5-SLN-10 Self Lock Nut M2.5</p> 	<p>2 x Double Side Adhesive Tape M2x8SBH-10 Self-Tapping Button Hex Screw M2x8, 10 PCS</p> 	<p>M2x6SBH-10 Self-Tapping Button Hex Screw M2x6, 10 PCS</p> 
<p>10 x Hex Cap Screw M3x18 M3-SLN-10 Self Lock Nut M3</p> 	<p>10 x Set Screw M3x3 M2x18CS-10 Hex Cap Screw M2x18, 10 PCS</p> 	<p>10 x Self Lock Nut M2.5 M2x6CS-10 Hex Cap Screw M2x6, 10 PCS</p> 	<p>10 x Self-Tapping Button Hex Screw M2x8 M2x5CS-10 Hex Cap Screw M2x5, 10 PCS</p> 	<p>10 x Self-Tapping Button Hex Screw M2x6 M2.5x12CS-10 Hex Cap Screw M2.5x12, 10 PCS</p> 
<p>10 x Self Lock Nut M3</p>	<p>10 x Hex Cap Screw M2x18</p>	<p>10 x Hex Cap Screw M2x6</p>	<p>10 x Hex Cap Screw M2x5</p>	<p>10 x Hex Cap Screw M2.5x12</p>

<p>M2x6BH-10 Button Hex Cap Screw M2x6, 10 PCS</p>  <p>10 x Button Screw M2x6</p>	<p>M2x5BH-10 Button Hex Cap Screw M2x5, 10 PCS</p>  <p>10 x Button Screw M2x5</p>	<p>LX0362 3-4 mm Spindle Shaft Wrench</p>  <p>1 x 3 - 4 mm Spindle Shaft Wrench</p>	<p>LX1568 4mm Plastic Linkage Ball Reamer Too</p>  <p>1 x 4mm Plastic Linkage Ball Reamer Tool</p>	<p>M2x22SCS-10 Shoulder Hex Cap Screw M2x22, 10 PCS</p>  <p>10 x Shoulder Hex Cap Screw M2x22, 10 PCS</p>
<p>M4x3SC-10 - Set Screw M4x3, 10 PCS</p>  <p>10 x Set Screw M4x3, 10 PCS</p>				