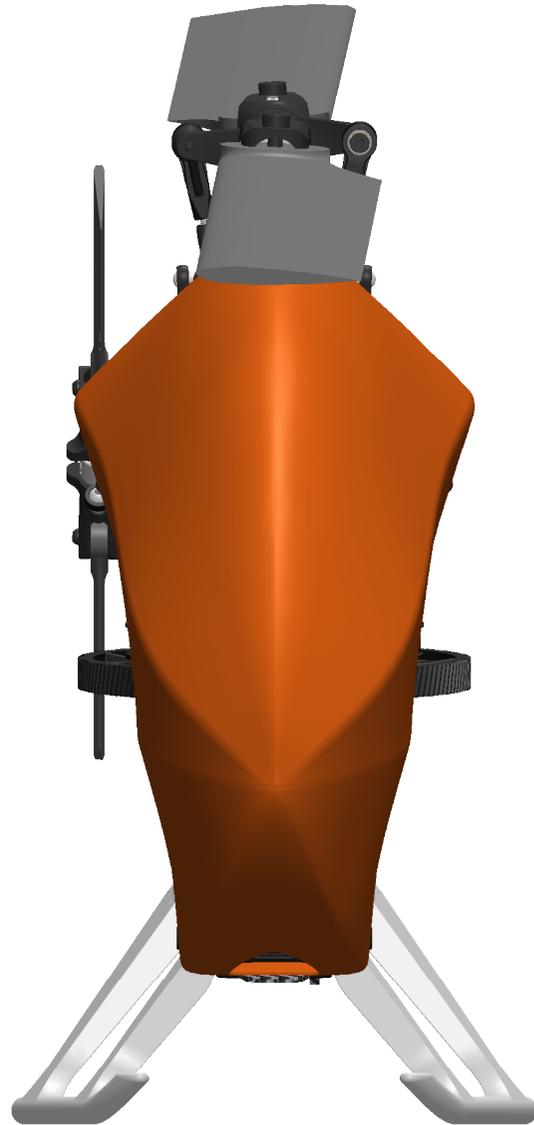


OXY4
Instruction Manual



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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



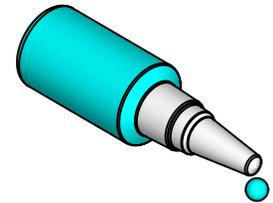
Use CA Glue



Use Loctite 243 Medium Strength



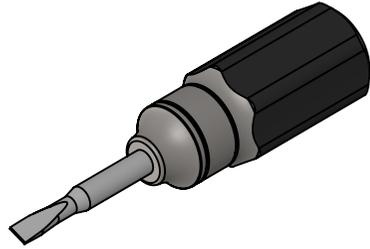
Use Loctite 648 Bonding



Use Silicone Grease

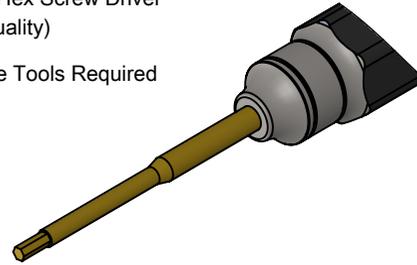
TOOLS REQUIRED

Small Tip - Flat Screw Driver



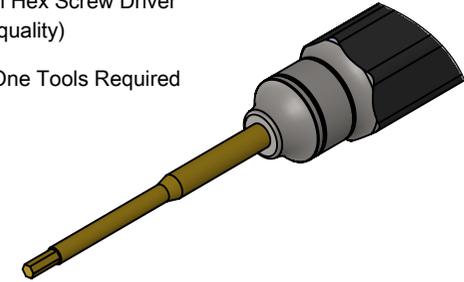
1.5mm Hex Screw Driver
(High quality)

⚠ One Tools Required



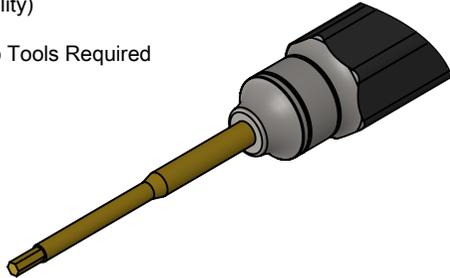
1.3mm Hex Screw Driver
(High quality)

⚠ One Tools Required

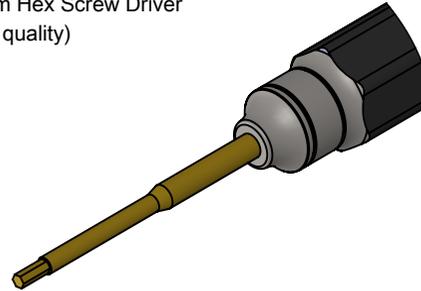


2mm Hex Screw Driver
(High quality)

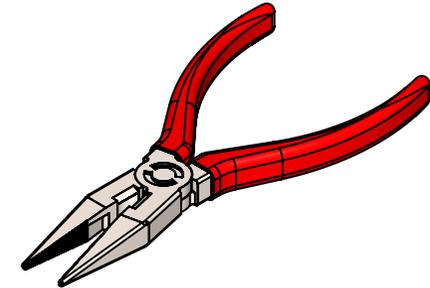
⚠ Two Tools Required



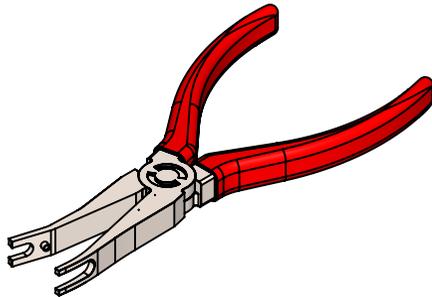
2.5mm Hex Screw Driver
(High quality)



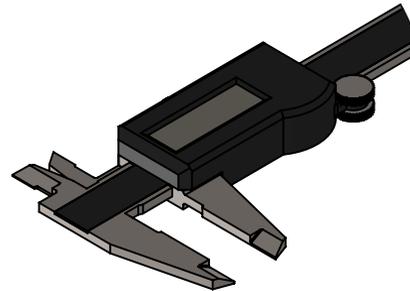
Needle Nose Pliers

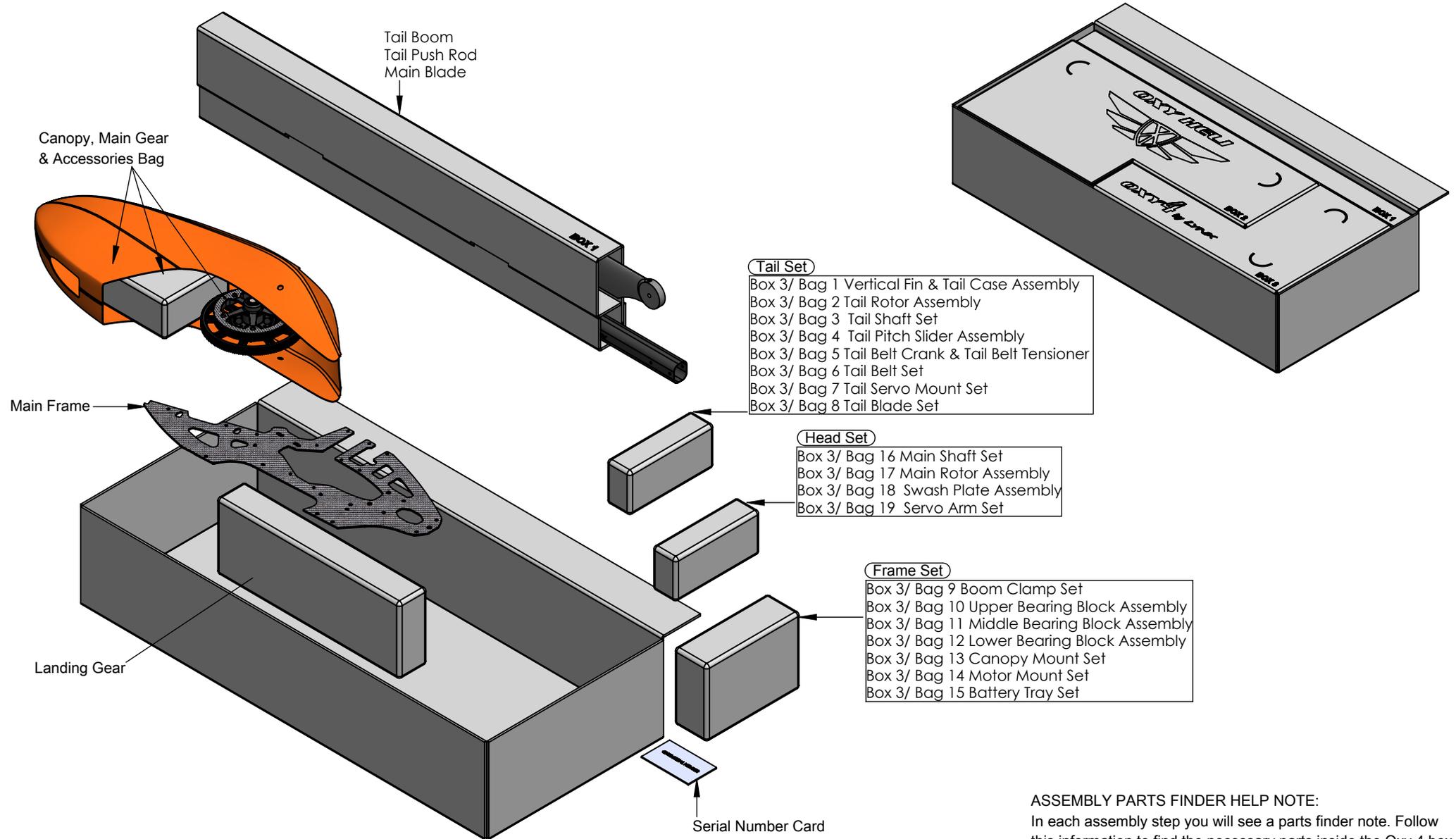


Uniball Pliers



Caliper





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 POWER SYSTEM AND HEAD SPEED SET-UP

In order to choose the best setup for your Oxy 4, and optimize performance, it is important to know some basic information:

- 1- Motor Kv – Min - Max - See your motor specification
- 2- Battery Pack – (3s or 6S)
- 3- Your target head speed

If you use a head speed calculator, use 150T for the main gear and one of the available pinions 14T – 15T – 16T – 17T -18T .

	Fly style	Head speed		Main Blade	Pitch	Tail blade	Tail Shaft Pulley
OXY 4 325mm	Hover	2800	3300	325	+ 10 / -3	68	24
	Fly 2D	2800	3300	325	+ 10 / -5	68	24
	Soft 3D	3000	3500	325	+/- 12	62	24
	Hard 3D	3500	4000	325	+/- 14	62	24
	Extreme 3D	4000	4500	325	+/- 14	62	24

	Fly style	Head speed		Main Blade	Pitch	Tail blade	Tail shaft pulley
OXY 4 350mm 360mm	Hover	2300	2700	350-360	+ 10 / -3	68	23
	Fly 2D	2500	3000	350-360	+ 10 / -5	68	23
	Soft 3D	3000	3300	350-360	+/- 12	68	23
	Hard 3D	3300	3500	350-360	+/- 13	68	23
	Extreme 3D	3700	4000	350-360	+/- 13	68	24

Head Speed Note: Although Oxy 4 can handle very high Head Speed, we suggest not to exceed 4500 RPM to maintain a good compromise btw performances and efficiency. Configuration examples Since the Oxy4 is a high performance 3D RC

helicopter, we suggest using high quality power components including motor, battery and ESC. Remember the Oxy 2 is a 200 class heli – use light components to maximize flight time and performance. Here are some suggestions:

- Motor: Suggested 3SKV: 3500 to 4000 or 6SKV: 1500 to 1900, 2216 to 2620 caliber series (stator diameter – stator length).

- Battery: 3S or 6S with capacity 3s to max 2250 (estimate) 6s to max 1800

(1800 max best suited for stretched Oxy 4) 45C discharge rate. Maximum size: length 110mm, height 34mm, width 43.5mm, weight 250g.

- ESC: 50 to 60A – with BEC V or higher.

- Cyclic servos: Standard Sub MICRO size servo speed: =>0.06 sec/60 at 6V.

- Rudder servo: Standard MICRO size servo – speed =>0.06 sec/60 at 6V – a specific rudder servo is suggested for best tail authority.

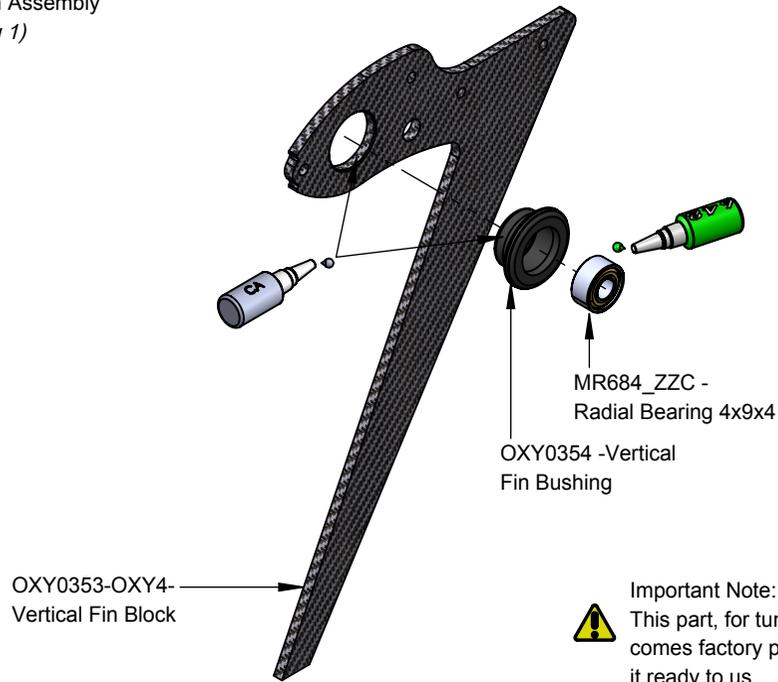
- FBL system: The Oxy 4 was designed around the U-Ikon / U-Brain and Neo V-Bar Systems. But many other smaller size FBL systems can be used, depending on your personal choice. Max inner Frame dimension 33mm.

- Main blade: The Oxy 4 can fly with main blades from 320 to 360mm. Our testing was with Zeal 325mm and Zeal 360 Carbon main blade. The Oxy 4 main grips use M3 clamp screw and have a 6 mm root.

- Tail blades: The Oxy 4 uses our own OEM tail blades, either 62 or 68mm (included with the kit). They use a M2 clamp screw and 3.5 root.

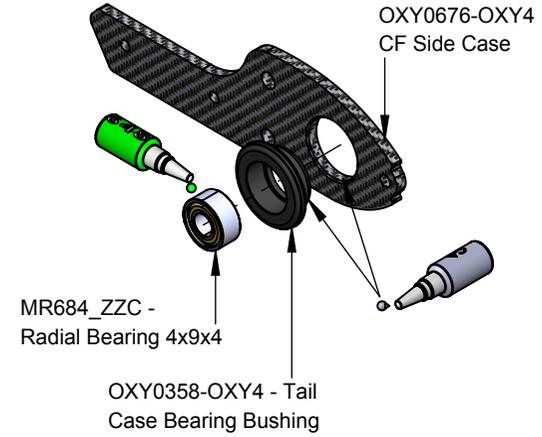
We offer 62 and 68mm tail blades to suit different head speeds. Use 68mm tail blades when your head speed is lower than 4500rpm and 68mm with higher head speeds.

Vertical Fin Assembly
(Box 3/Bag 1)



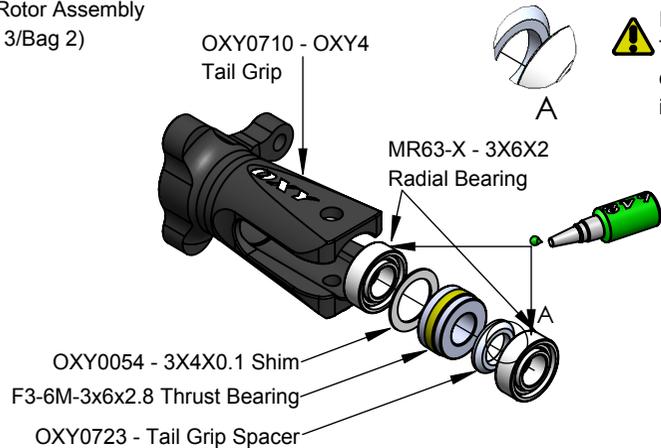
Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to us

Tail Case Assembly
(Box 3/Bag 1)

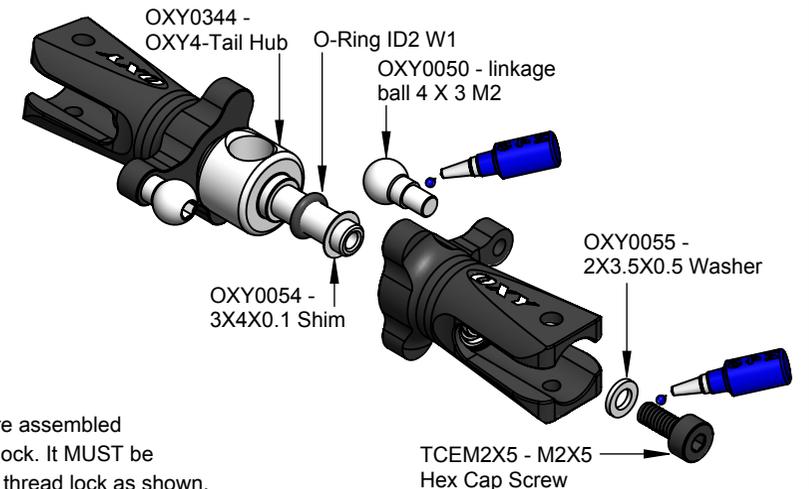


Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to us

Tail Rotor Assembly
(Box 3/Bag 2)

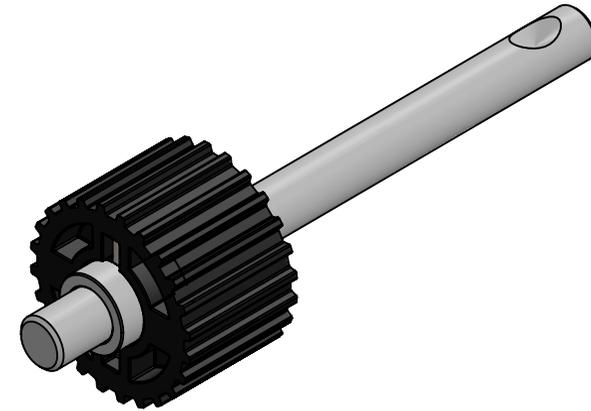
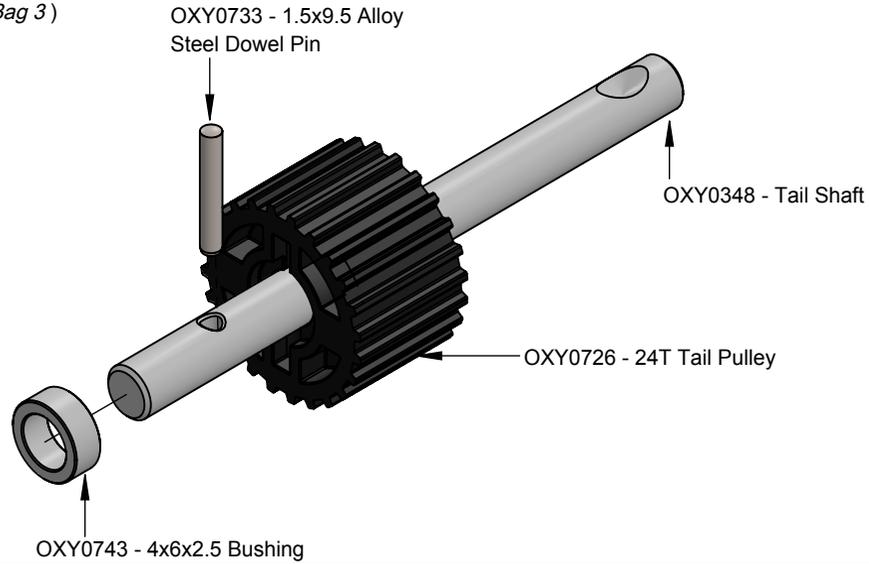


Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use

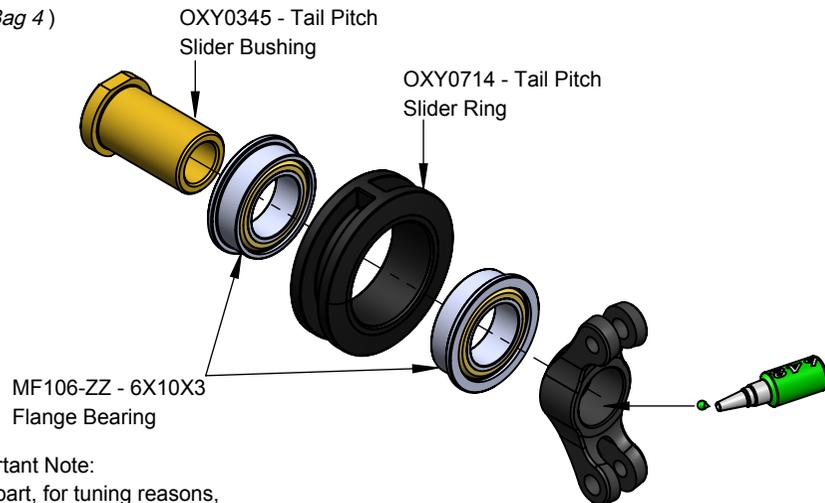


Important Note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

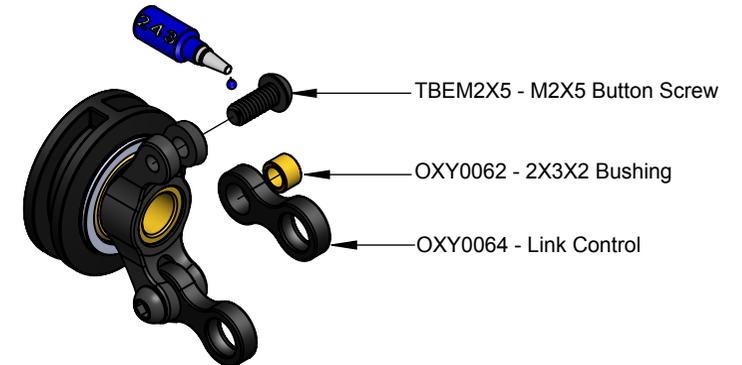
Tail Shaft Assembly
(Box 3 / Bag 3)



Tail Pitch Slider Assembly
(Box 3 / Bag 4)

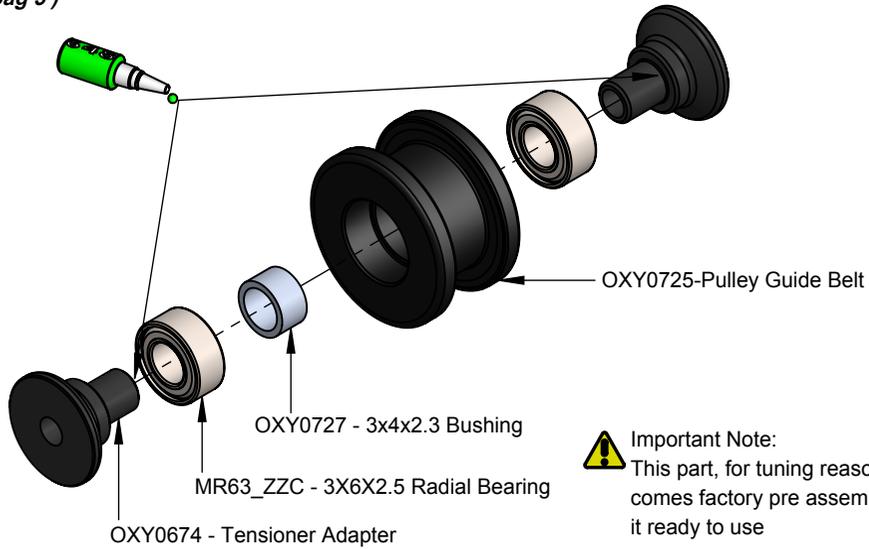


⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use.



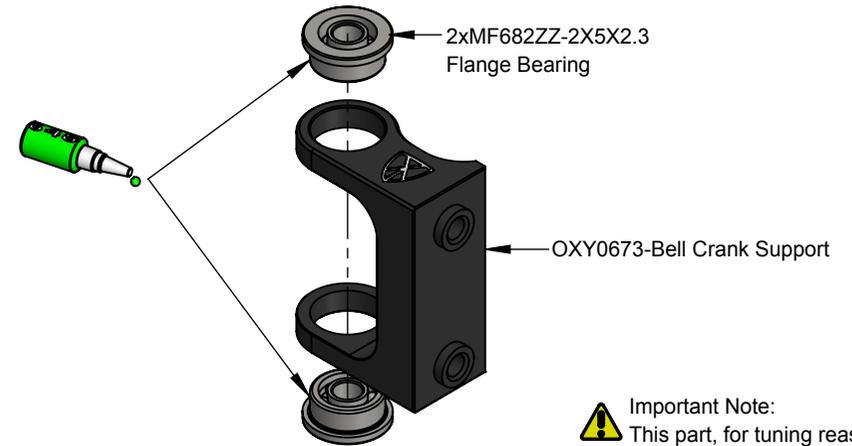
⚠ Important note:
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

Tail Belt Tensioner Assembly
(Box 3 / Bag 5)



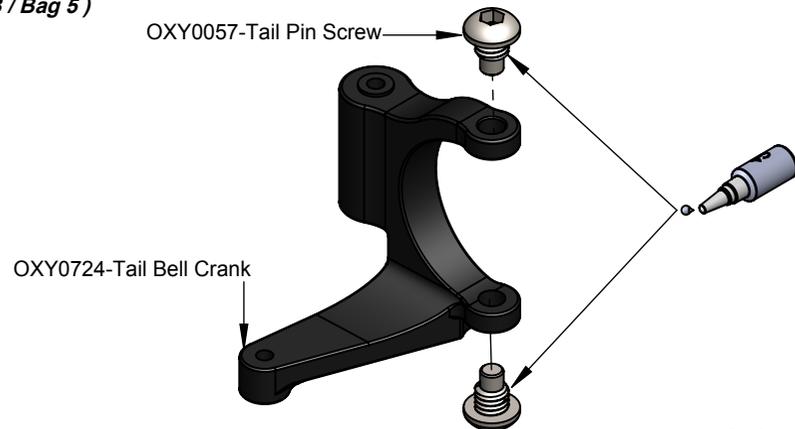
⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use

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

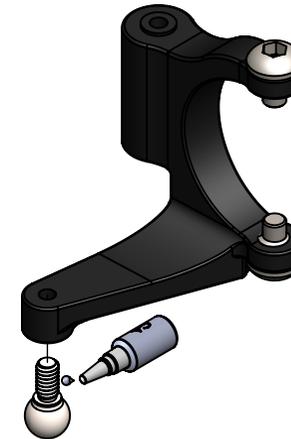


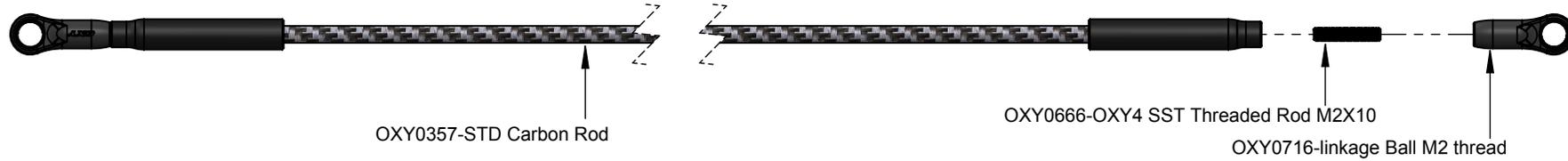
⚠ Important Note:
This part, for tuning reasons, comes factory pre assembled, it ready to use

Tail Belt Crank Assembly
(Box 3 / Bag 5)



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





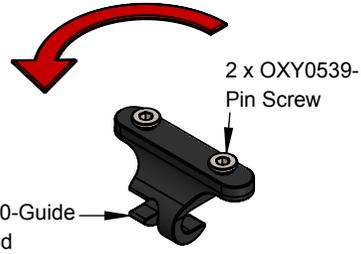
Step 1:



Note: to install this pin screw rotate counter clock wire



Note Pin Screw Thread: 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:

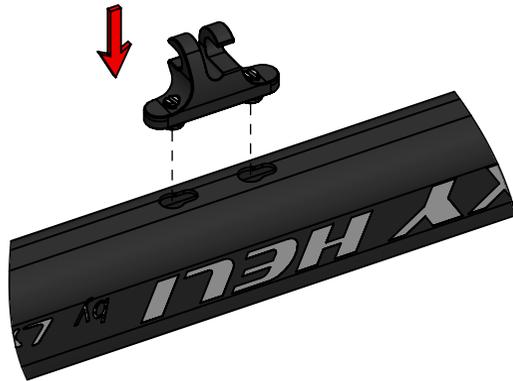


Note: Install the Pin Screw and leave a gap as shown.



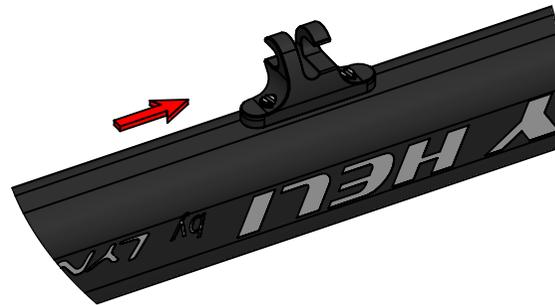
Step 3:

Push the part inside the boom sockets as shown



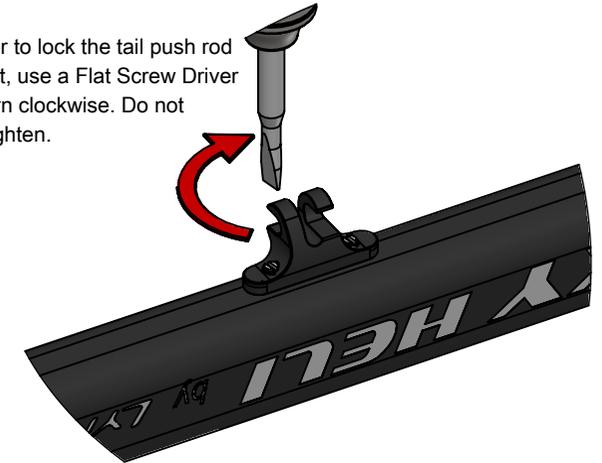
Step 4:

Slide the parts as shown

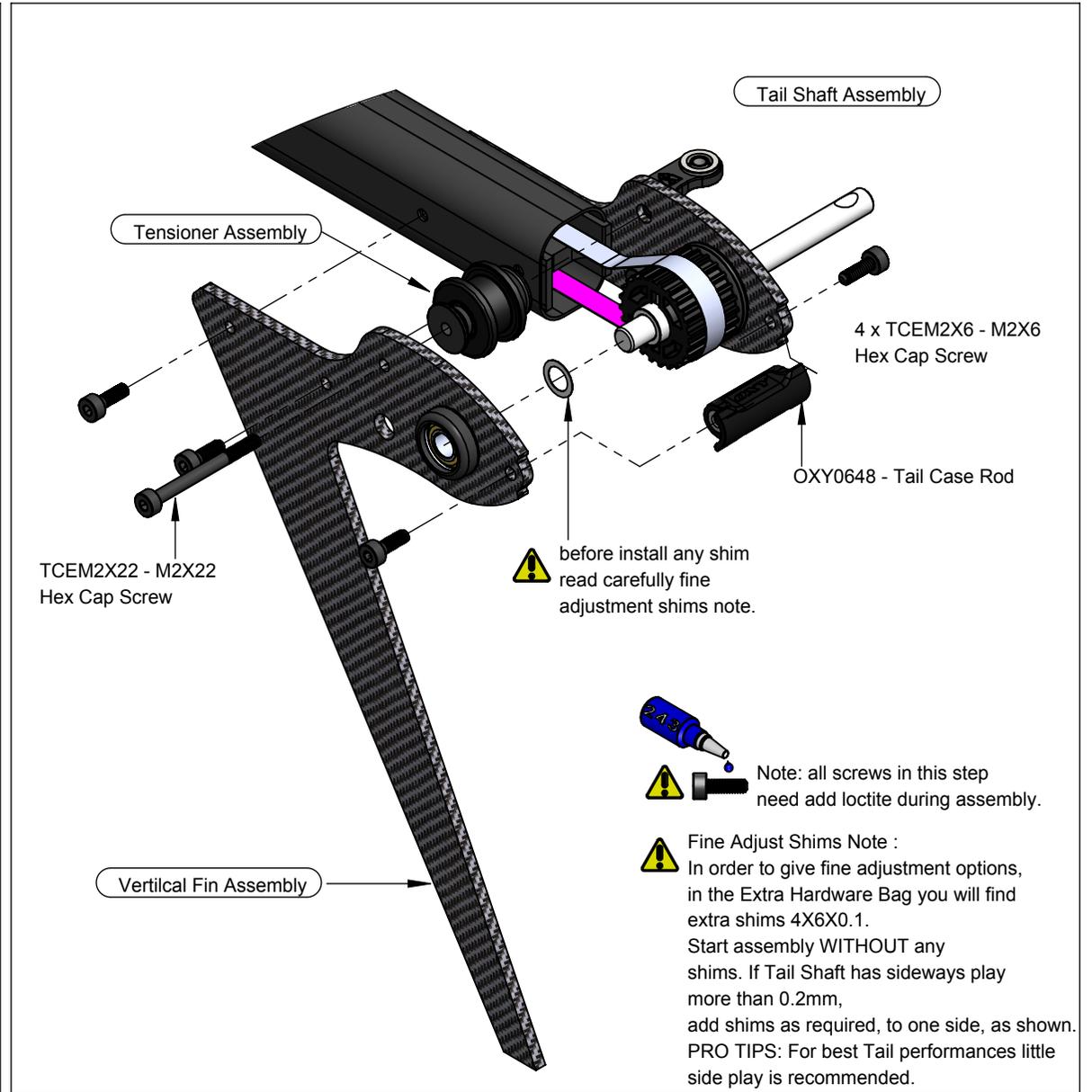
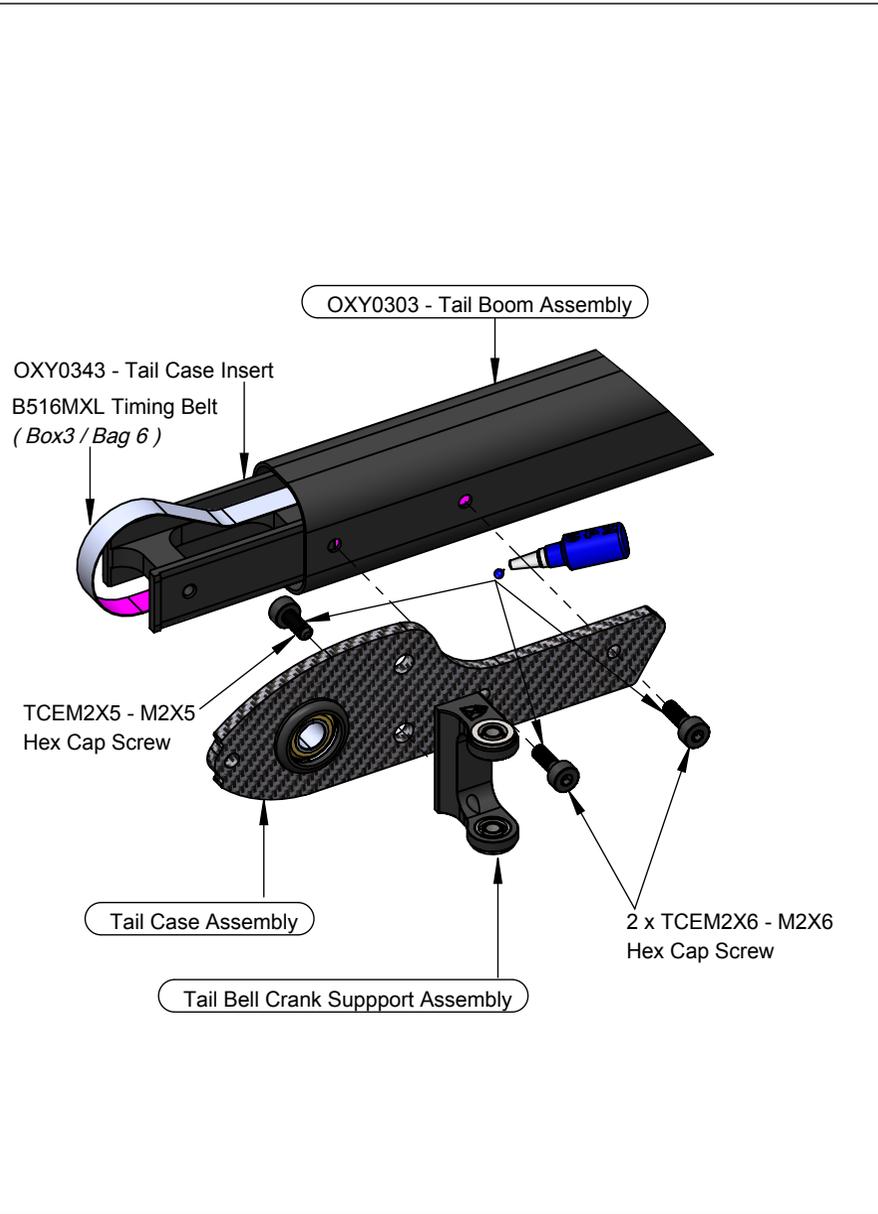


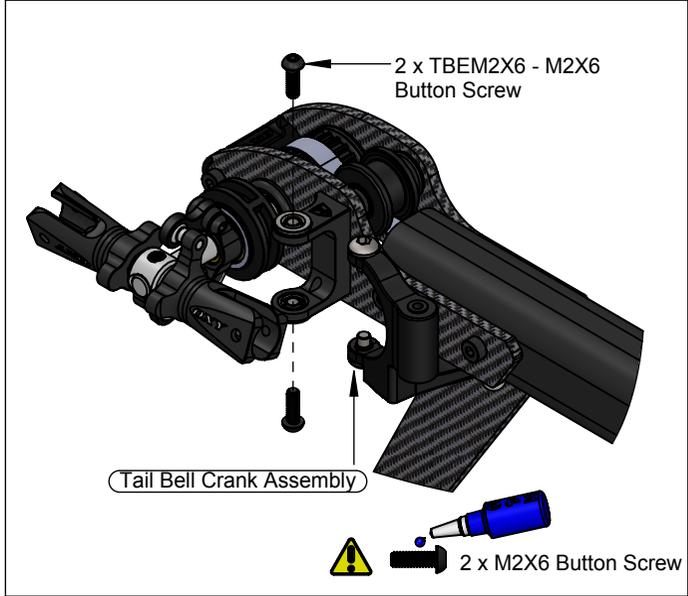
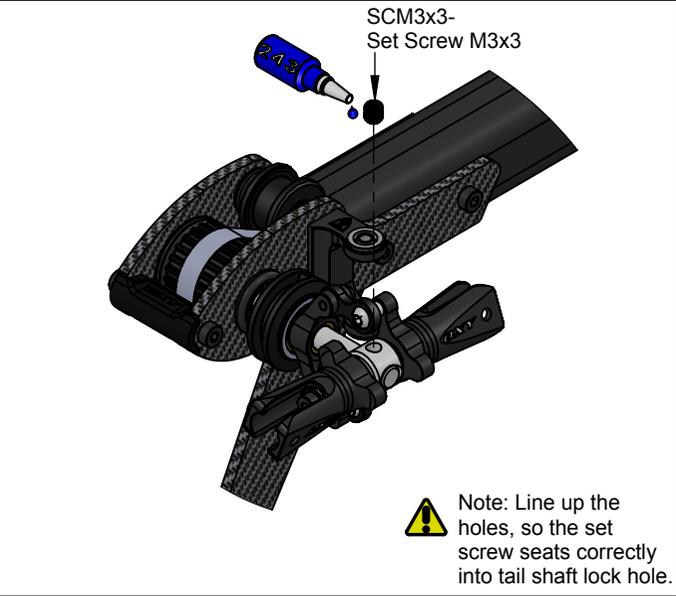
Step 5:

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

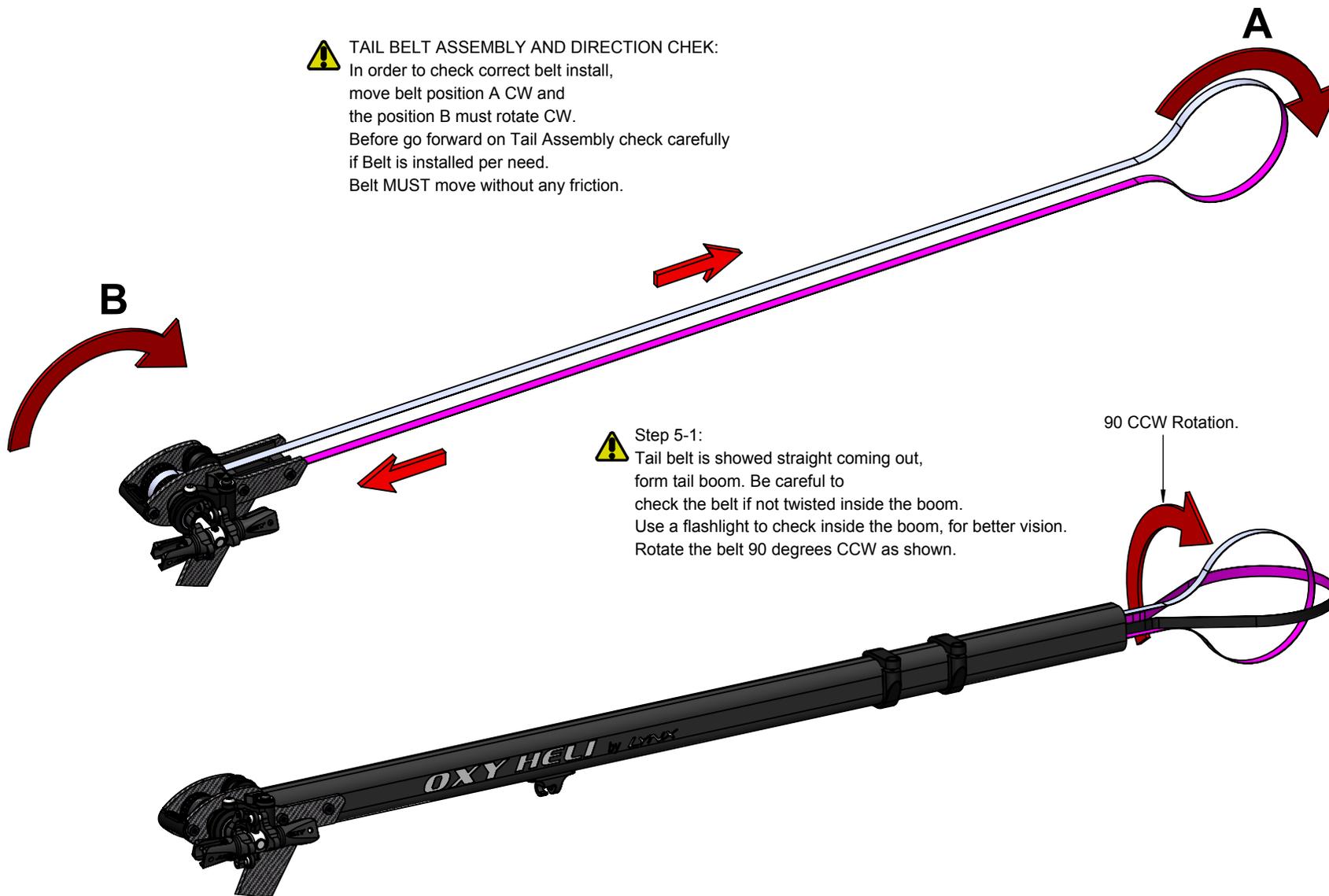


Important Note: This part, for tuning reasons, comes factory pre assembly, it ready to use





⚠ 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.

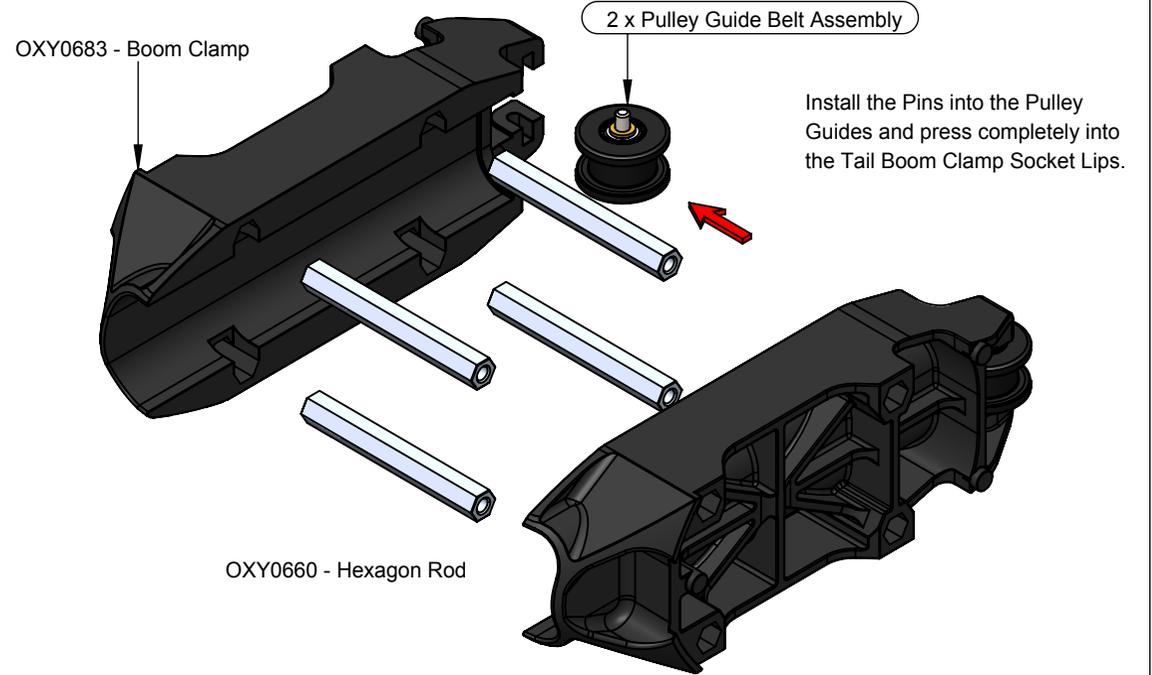
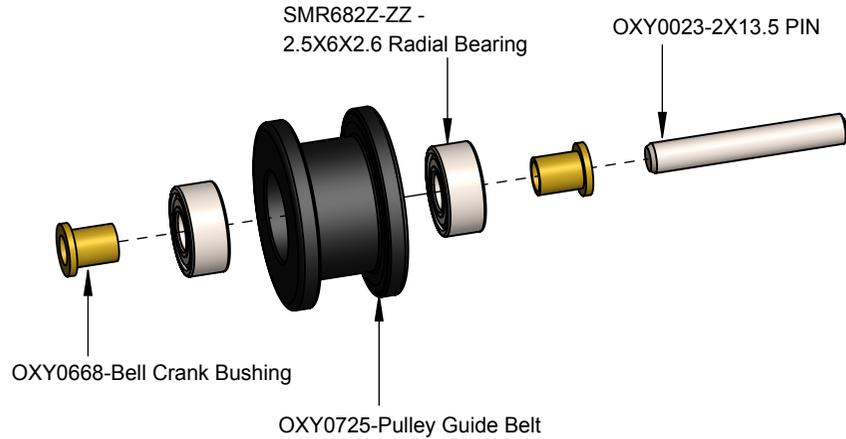
Step 5-2:
Hold carefully Tail Belt as showed and insert
Front Boom Insert.A

 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



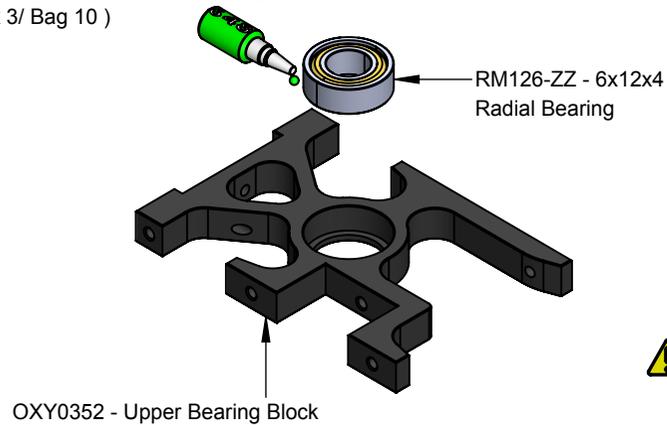
Boom Clamp Assembly

(Box 3/ Bag 9)



Upper Bearing Block Assembly

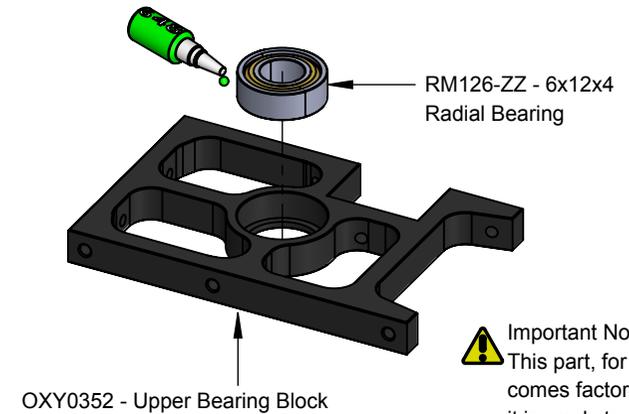
(Box 3/ Bag 10)



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

Middle Bearing Block Assembly

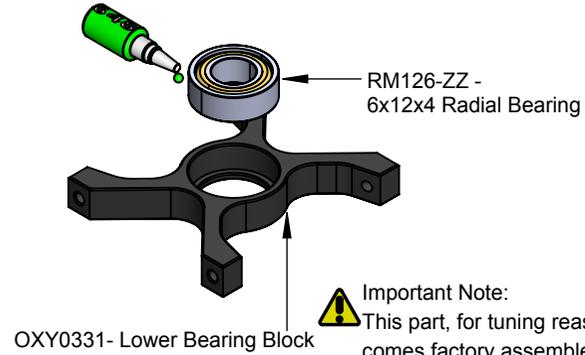
(Box 3/ Bag 11)



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

Lower Bearing Block Assembly

(Box 3/ Bag 12)



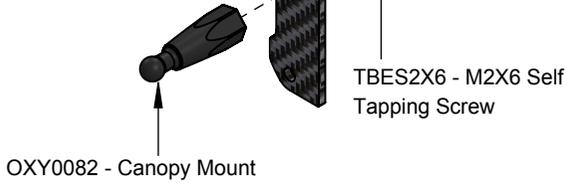
Important Note:
 ⚠ This part, for tuning reasons, comes factory assembled, it is ready to use.

Break Away Canopy Assembly

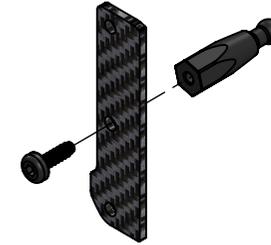
(Box 3/ Bag 13)

OXY0425 - Break Away Canopy

Left



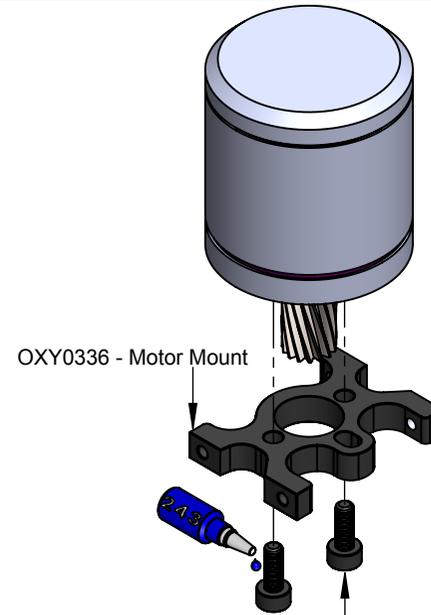
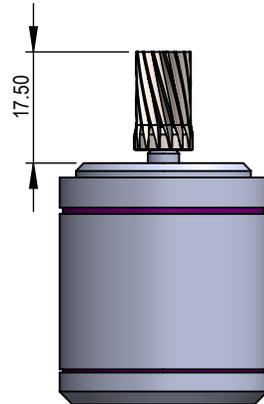
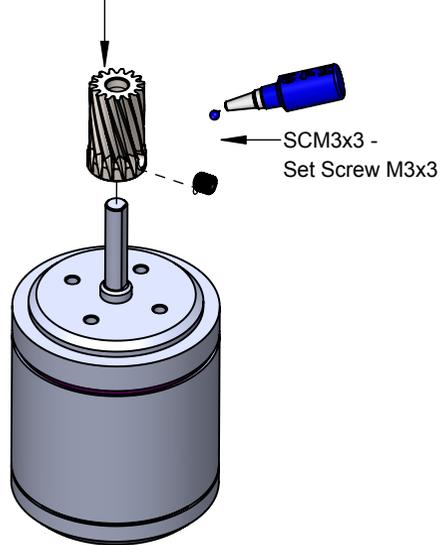
Right



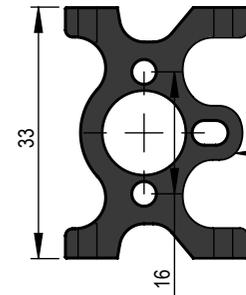
Motor Assembly

(Box 3/ Bag 14)

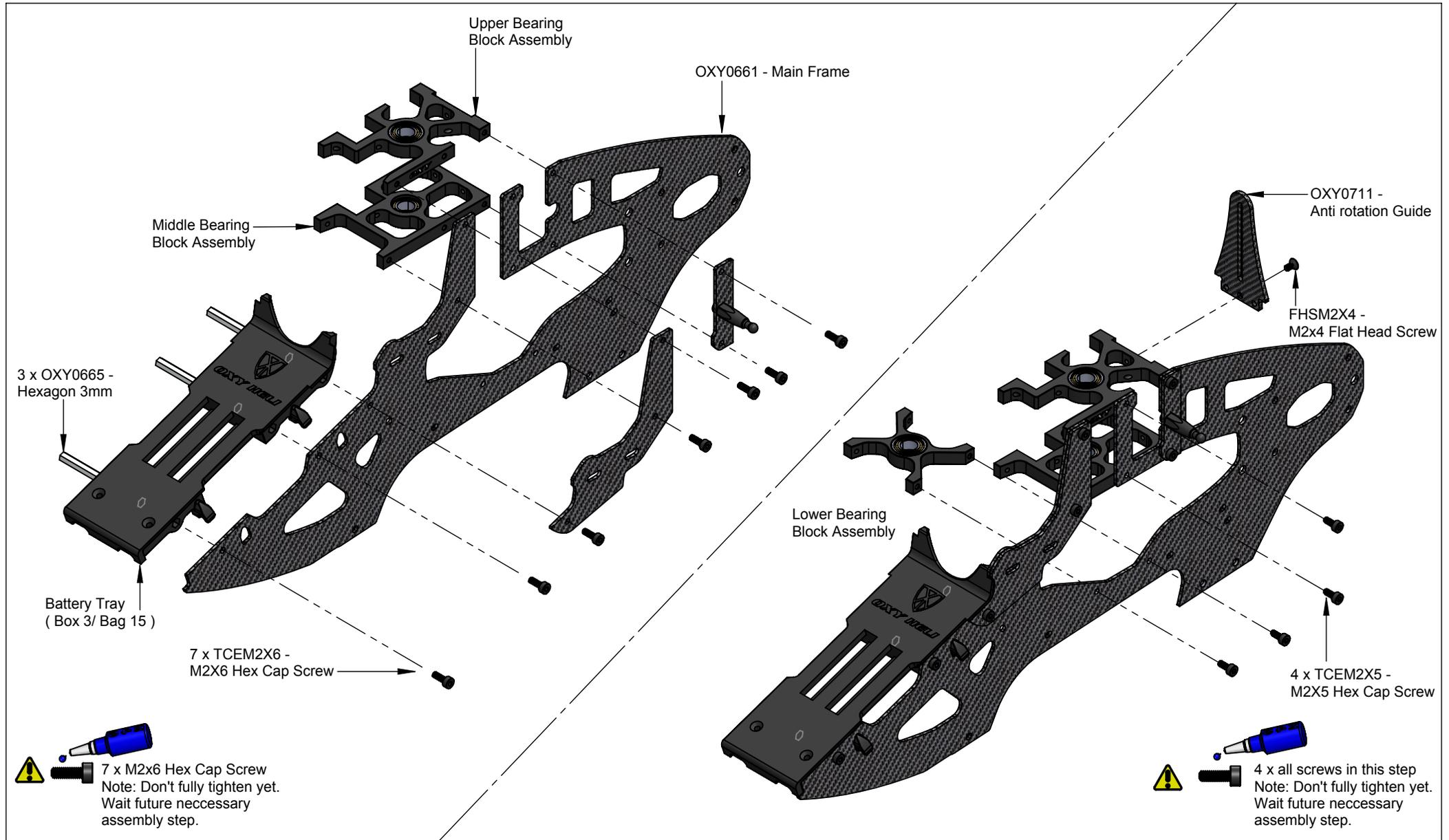
Pinion (15T-3.5mm Motor Shaft included)

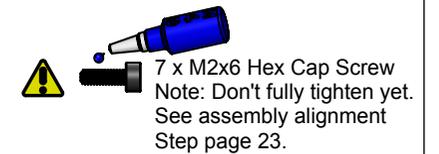
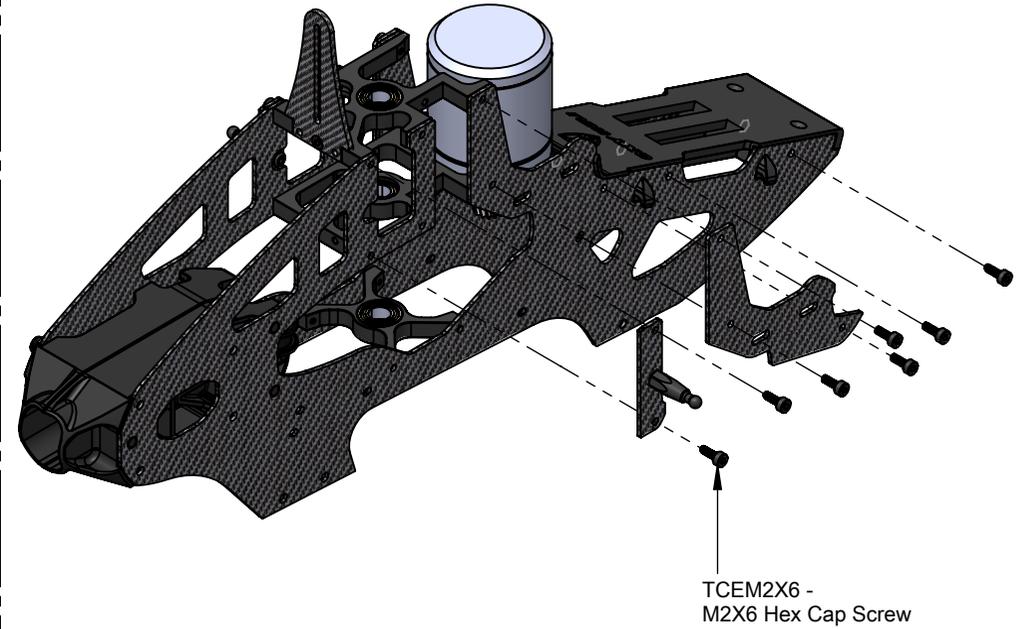
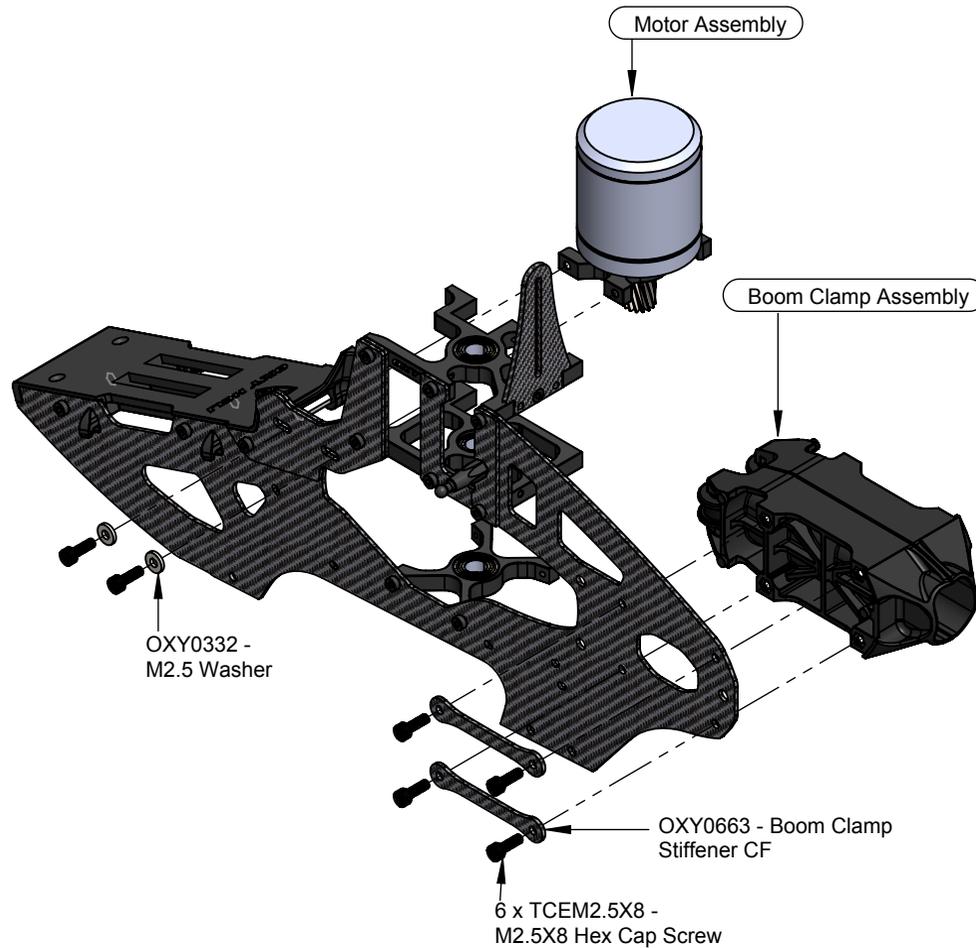


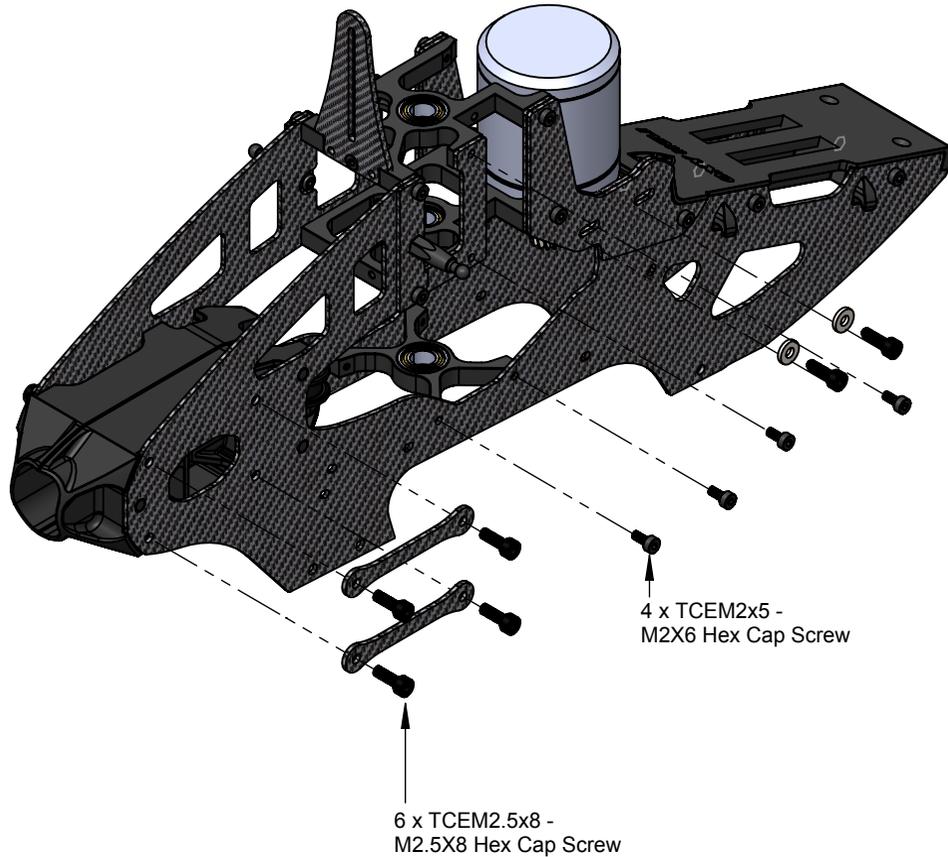
TCEM3X8 - M3X8 Hex Cap Screw



⚠ This hole is in the nose of helicopter

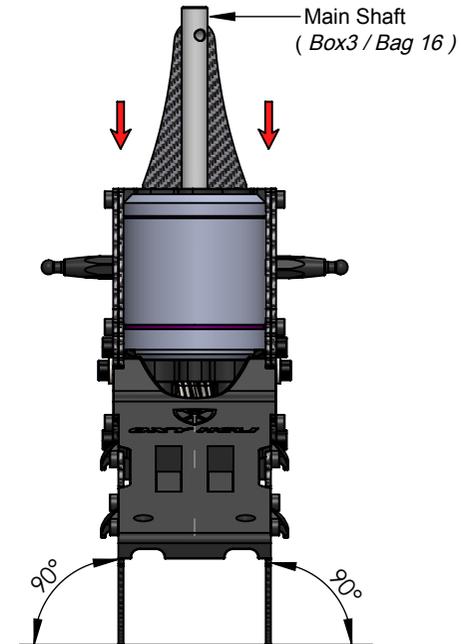






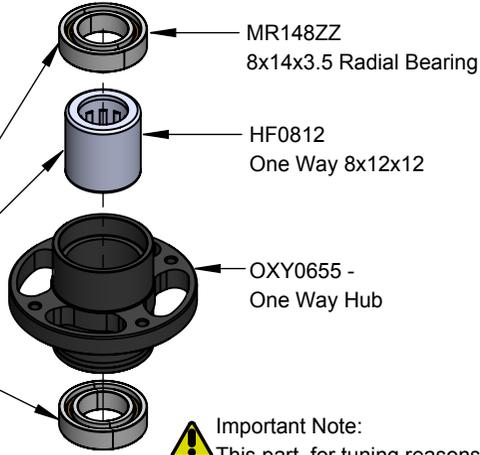
All Screw in this step
 Note: Don't fully tighten yet.
 See assembly alignment
 Step page 16.

 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.



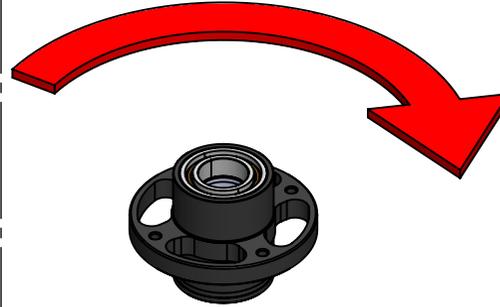
Main Gear Assembly

(Box2 / Bag 1)

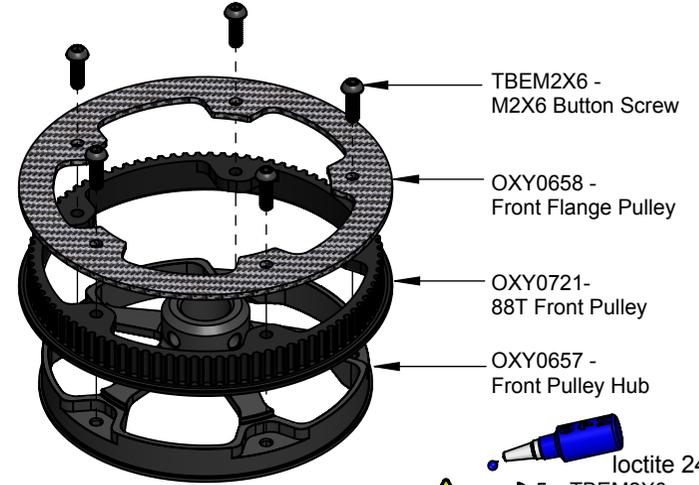


loctite 648

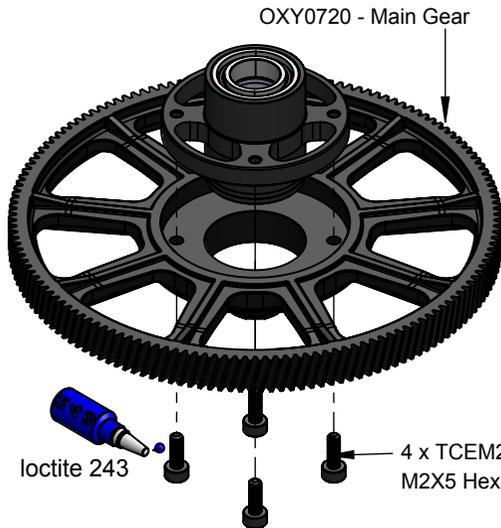
Important Note:
 ⚠ This part, for tuning reasons, comes factory assembled, it is ready to use.



⚠ the Sleeve is free rotate as arrow hown



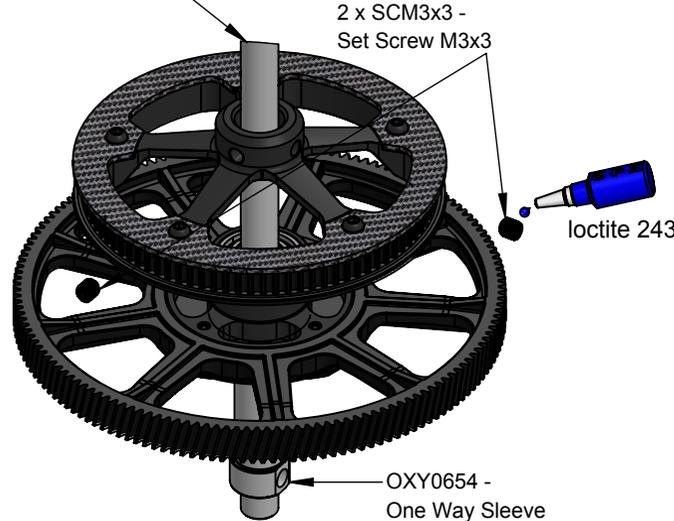
loctite 243
 ⚠ 5 x TBEM2X6 - M2X6 Button Screw



loctite 243

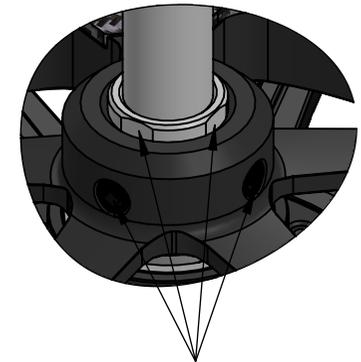
4 x TCEM2x6 - M2X5 Hex Cap Screw

Insert the Main Shaft before you lock the Sleeve

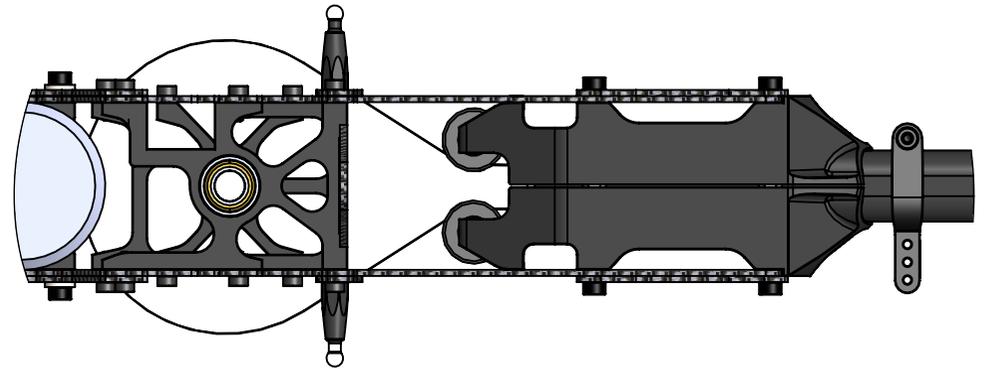
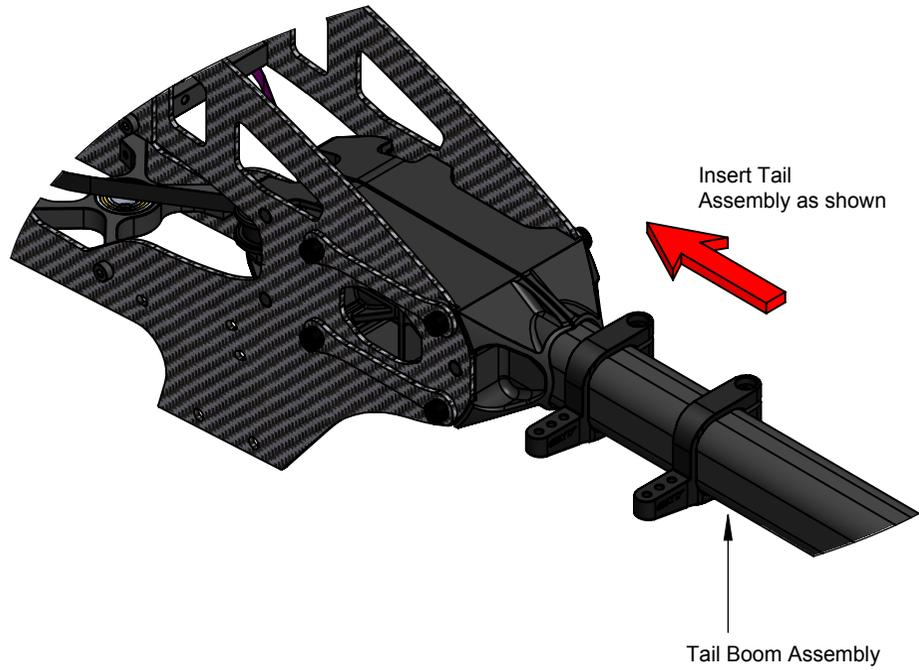


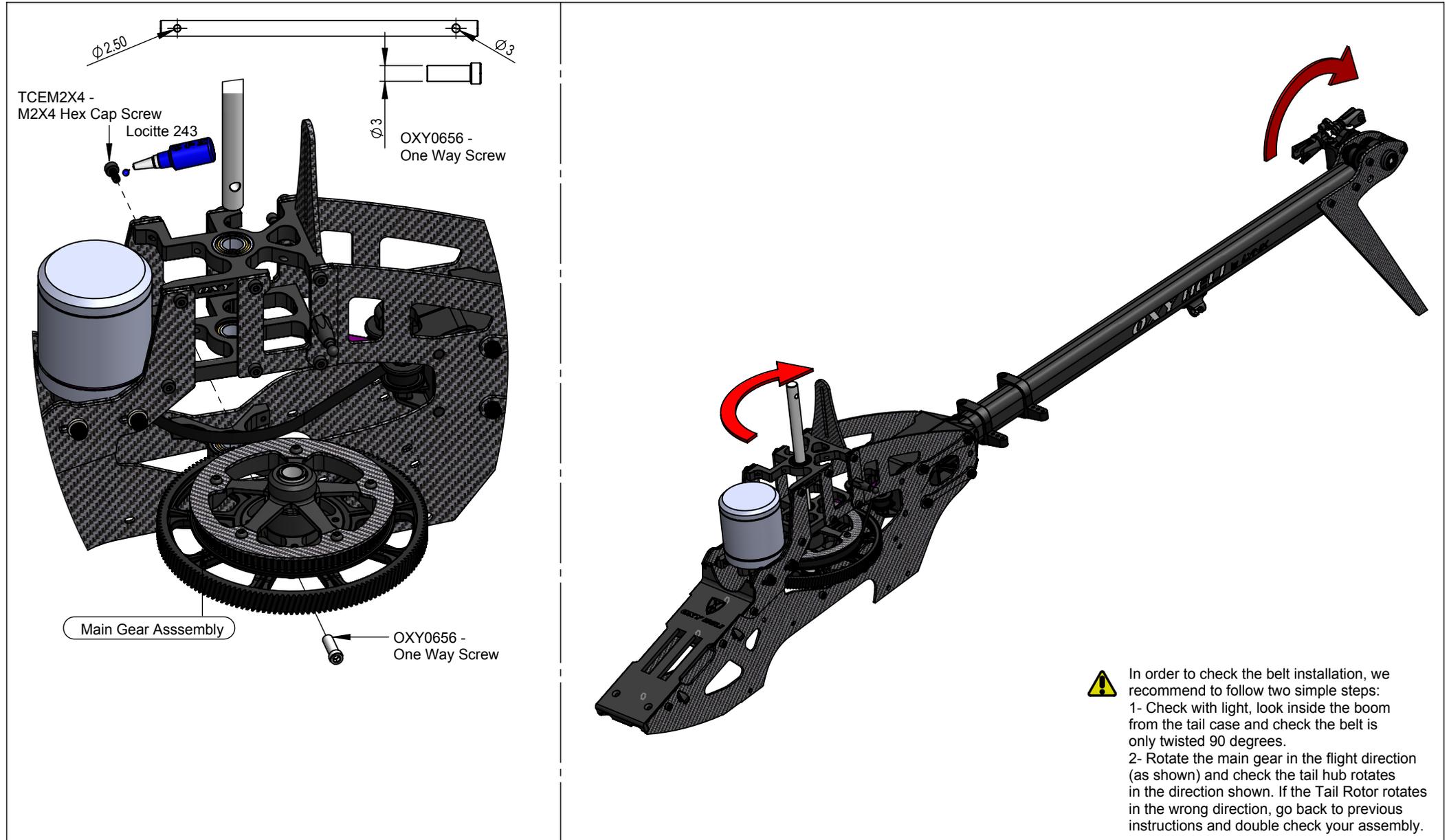
loctite 243

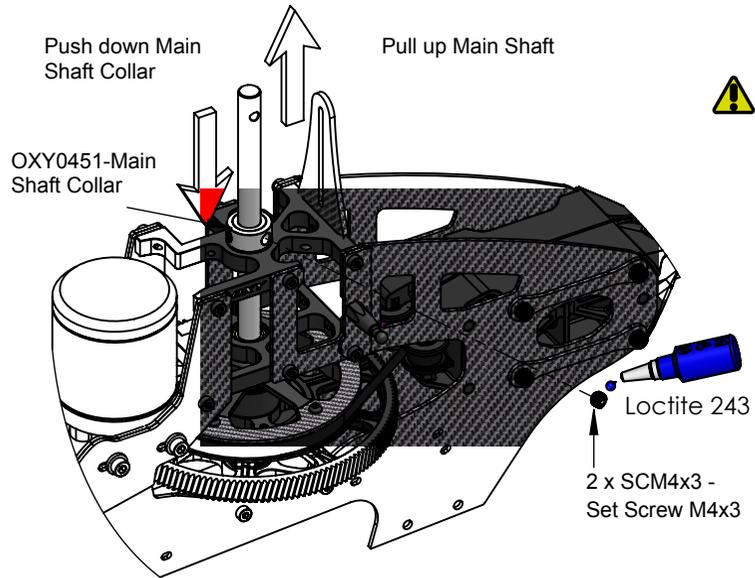
OXY0654 - One Way Sleeve



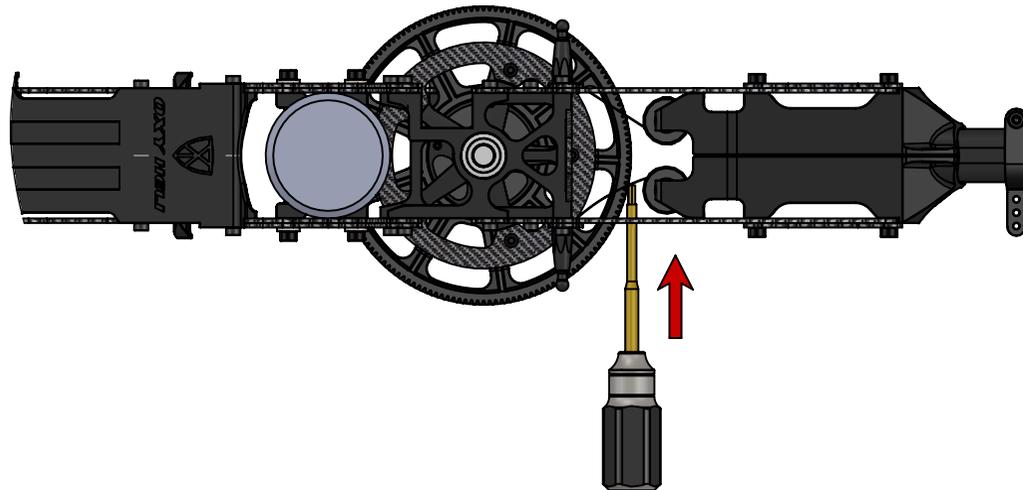
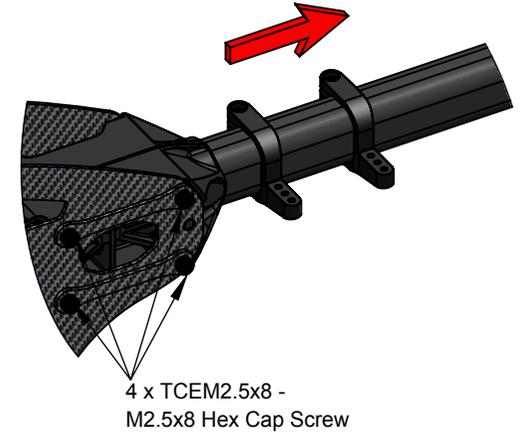
2 Set Screw are seat onto the flat surface of OXY0654 One Way Sleeve







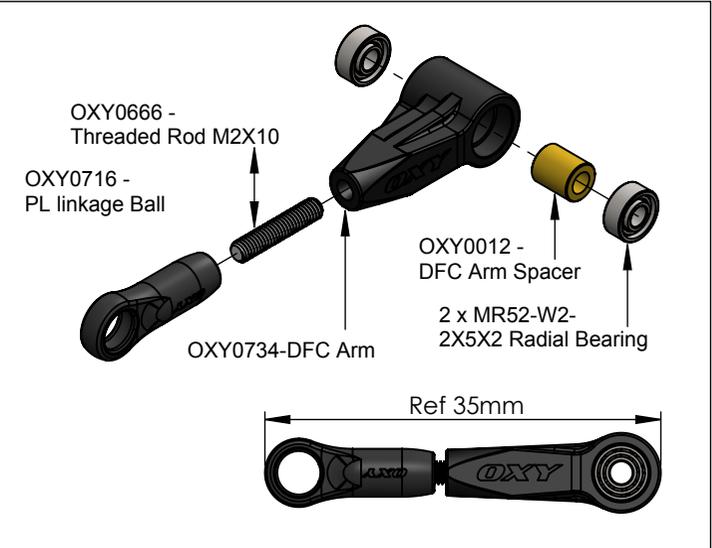
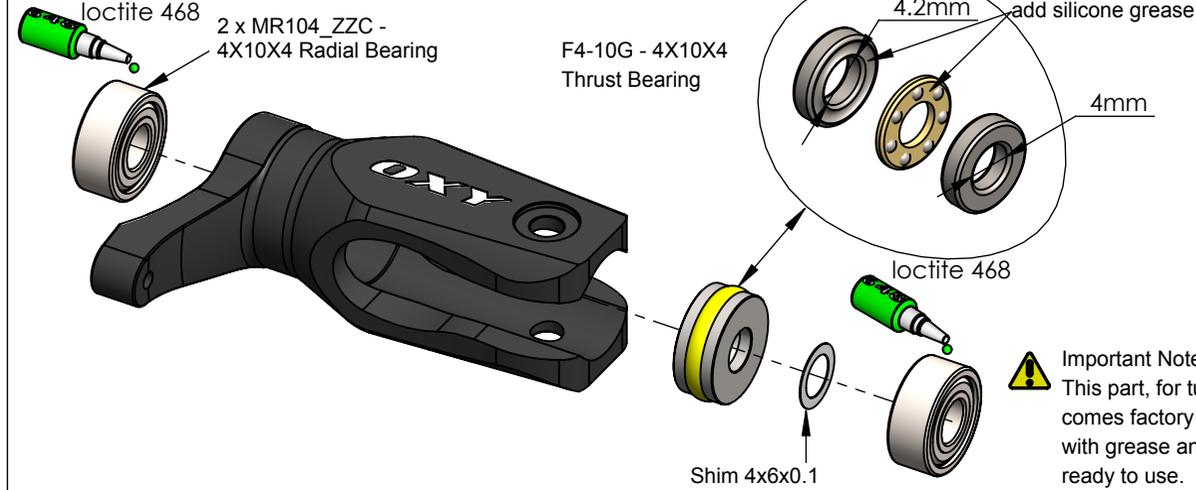
- Be sure the boom is assembled and installed correctly.
- Loosen the tail boom by loosening the eight M2.5x8 Hex Cap Screws.
- Adjust the Belt tension by pulling on the Tail Boom.
- Tighten the eight M2.5x8 Hex Cap Screws.
- The belt must have good tension. We suggest re-checking after a few flights. 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".

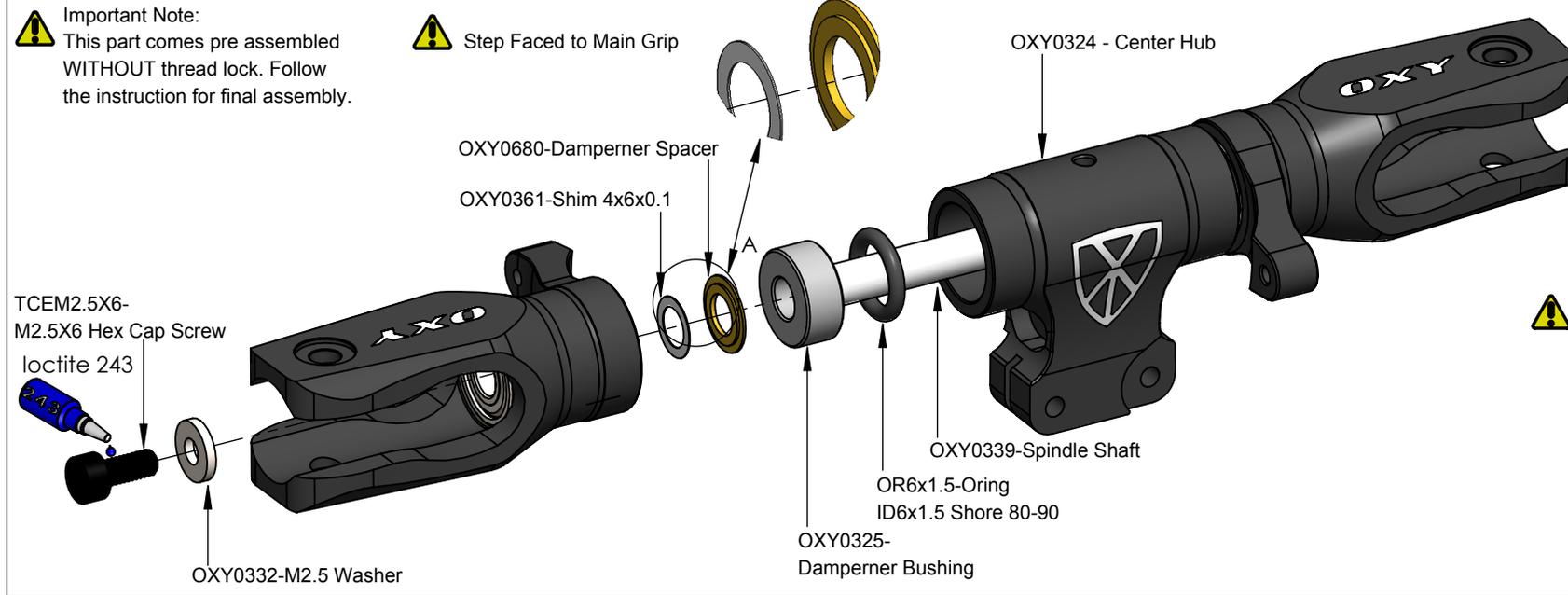
Main Rotor Assembly

(Box 3/ Bag 17)

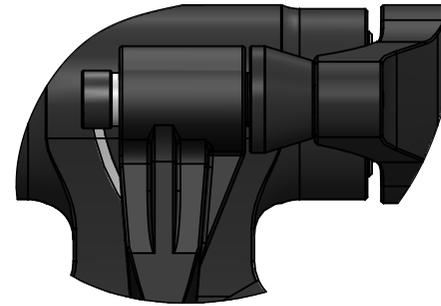
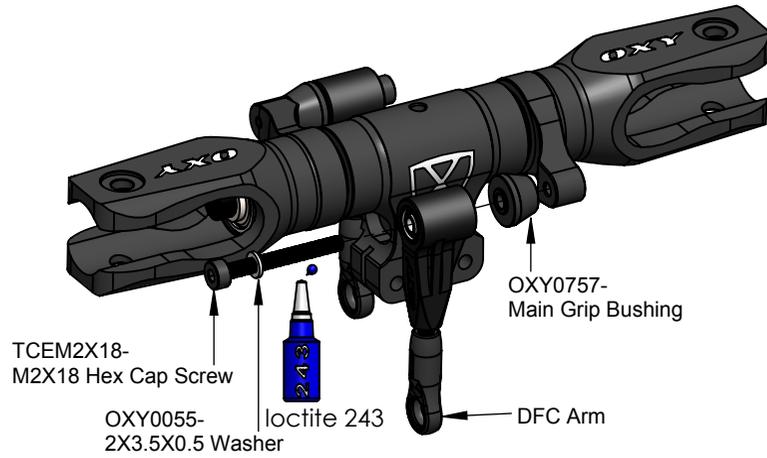


⚠ Important Note:
This part comes pre assembled WITHOUT thread lock. Follow the instruction for final assembly.

⚠ Step Faced to Main Grip



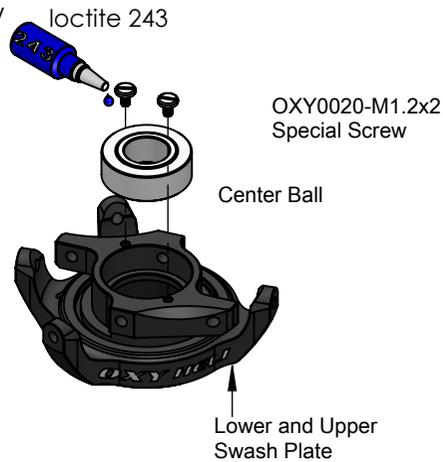
⚠ Fine Adjust Shims:
In order to give fine adjustment options, the extra Hardware Bag contains extra Shims 4x6x0.1. Start assembly with one (each side) pre installed shim. If the Main Grips have sideways play, add shims as required. Each Grips must have the same number of shims. If you add one shim on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



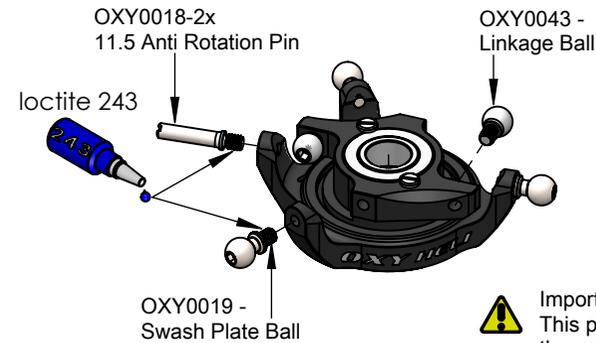
⚠ Important Note:
This part comes pre assembled **WITHOUT** thread lock. Follow the instruction for final assembly

⚠ Once you finish assembly, ensure the DFC Arms can rotate without friction. If the DFC Arms are assembled correctly, rotation should be smooth and without friction. In case of any friction, recheck each component and re-assembly as necessary.

Swash Plate Assembly
(Box 3/ Bag 18)

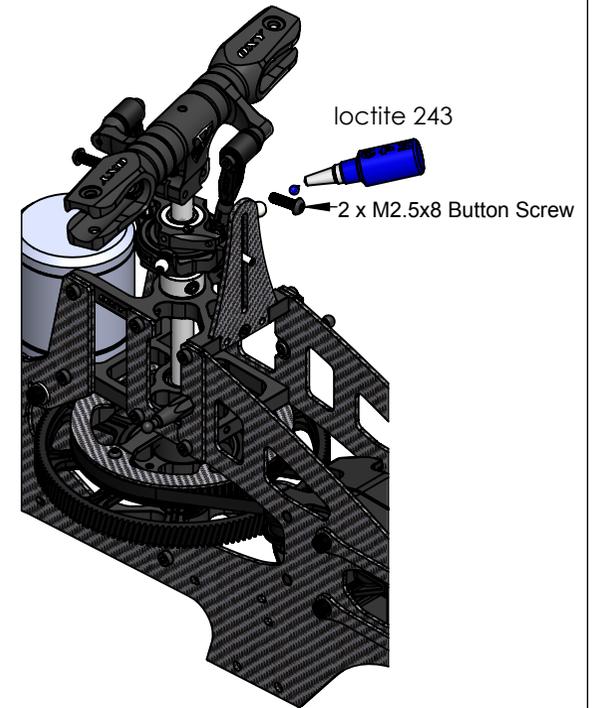
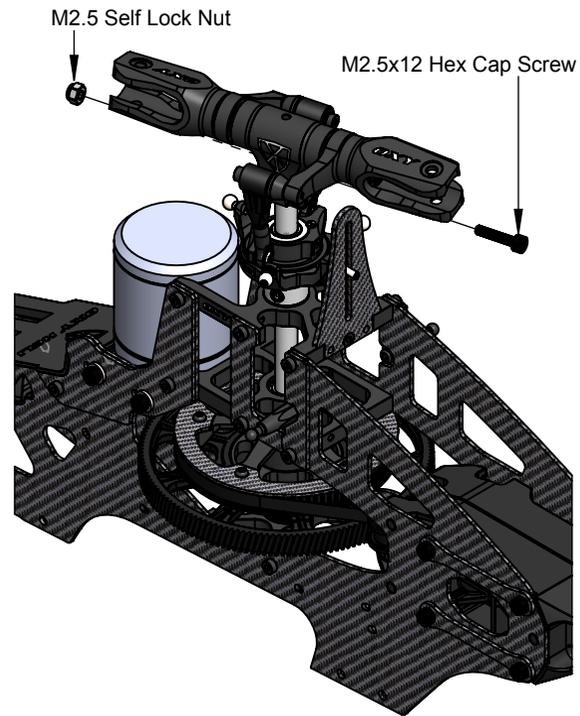
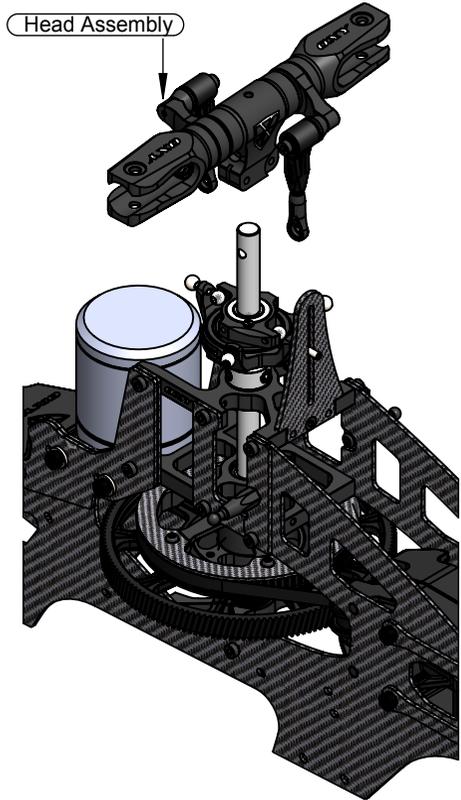


⚠ Important Note:
this part, for tuning reasons, comes factory pre assembled, it ready to use.



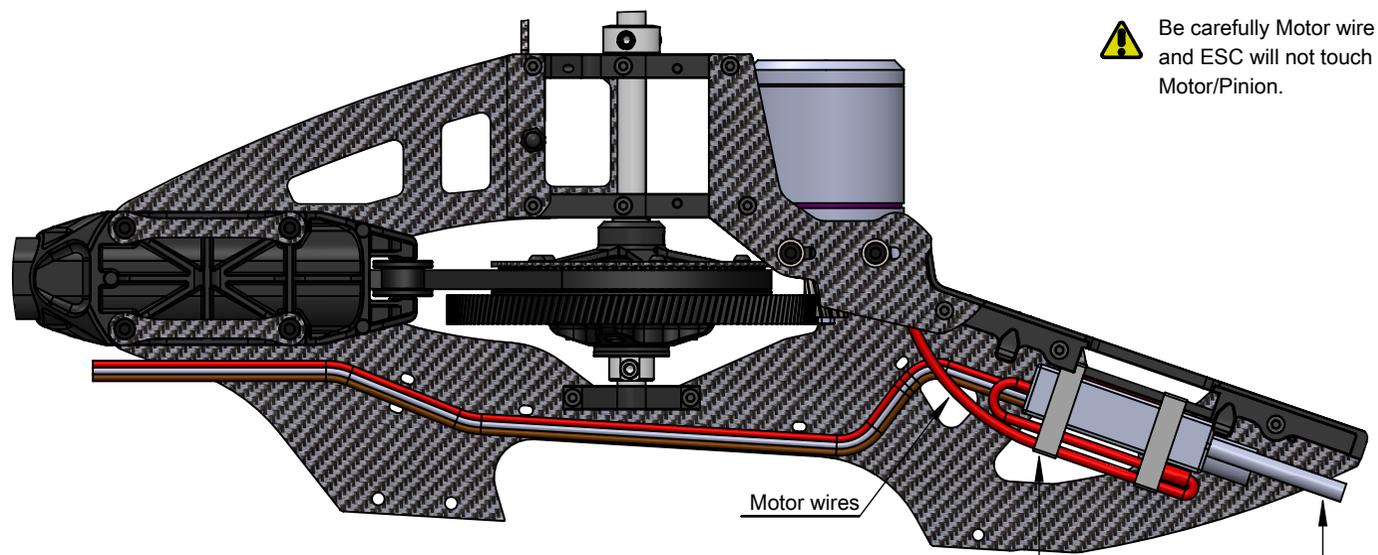
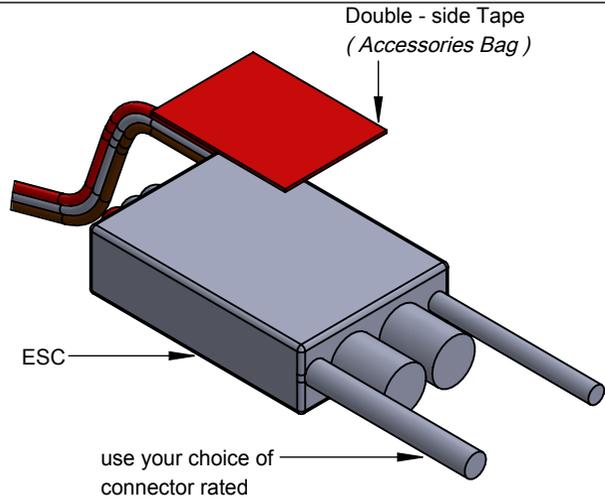
⚠ Important Note:
This part comes pre assembled **WITHOUT** thread lock. Follow the instruction for final assembly.

⚠ Swivel Ball Note:
The Swivel Ball is pre-assembled with a precise fitting. When new, the Swash Plate center ball will have a little friction. After a few flights and "break-in" it will come smooth, keeping the best precision without play.



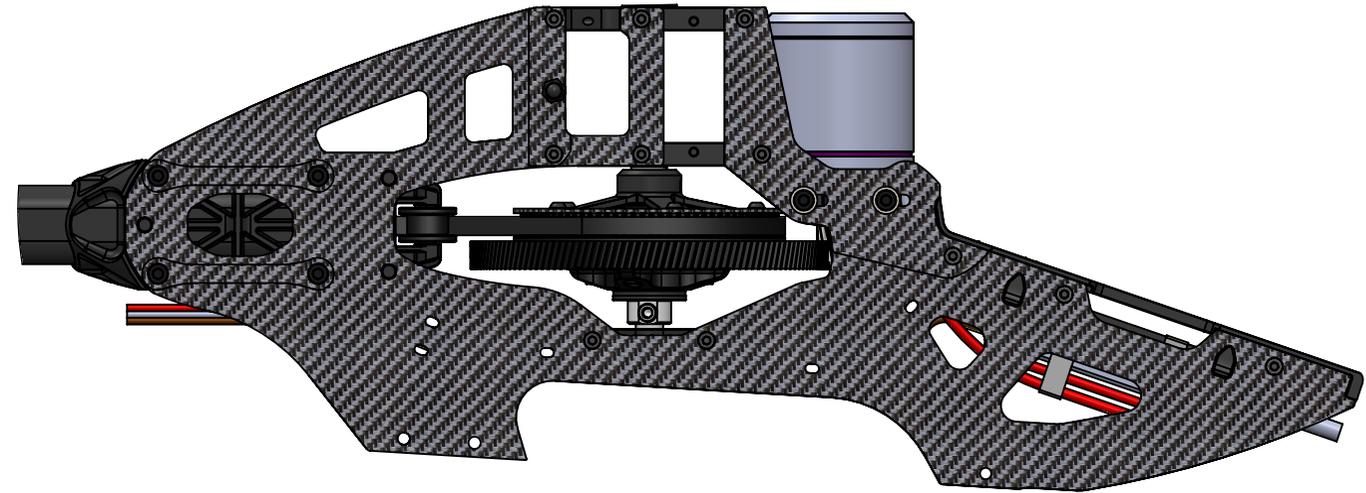
- You should now do some initial setup of your FBL unit and servos.
- We recommend you select a new model in your transmitter, and reset your FBL unit and start with a clean setup in it as well.
- After binding your transmitter to the receiver system used with the FBL unit, work your way through the 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.

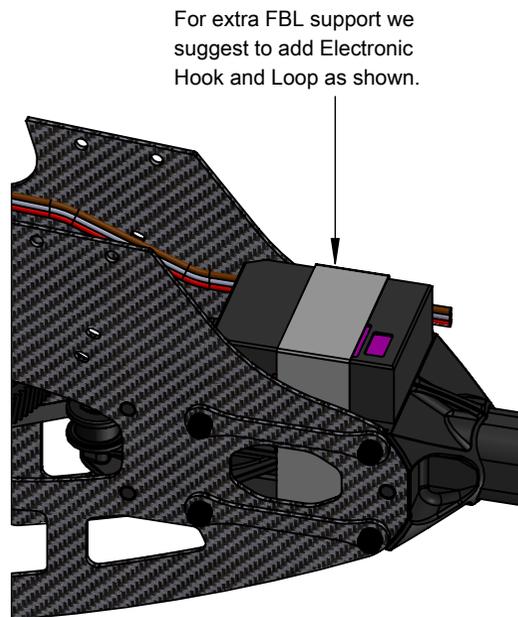
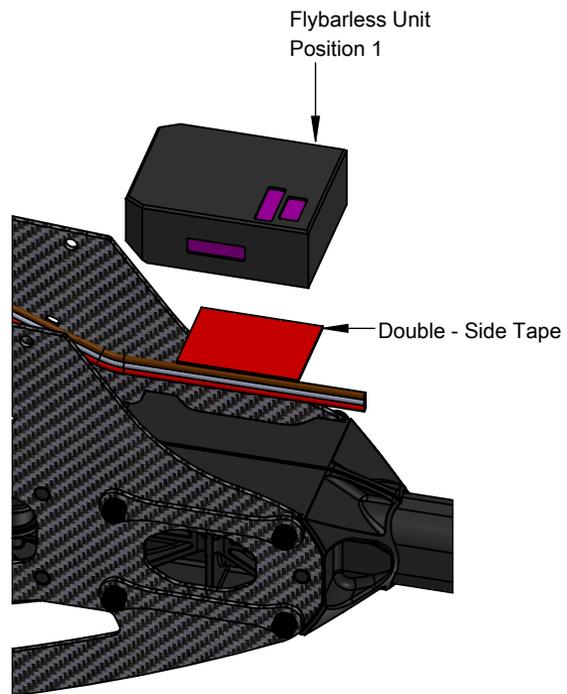
<p>Linkage Ball Position</p> <p>7.50 10 After Cut OXY0085 - Servo Arm (Box 3/ Bag 19)</p>	<p>OXY0716 - PL linkage Ball OXY0667 - Pitch Rod 10.25mm</p> <p>! It is really important the servo rods screw onto the linkages the same amount. The Plastic ball links have a Lynx logo to give you information about 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>OXY0085 - Servo Arm OXY0092 - Linkage Ball OXY0108 - M2 Hex Nut loctite 243</p>	<p>Right Cyclic Servo</p> <p>OXY0085 - Servo Arm OXY0092 - Linkage Ball OXY0108 - M2 Hex Nut loctite 243</p>	<p>Tail Servo</p> <p>OXY0085 - Servo Arm OXY0092 - Linkage Ball OXY0108 - M2 Hex Nut 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>



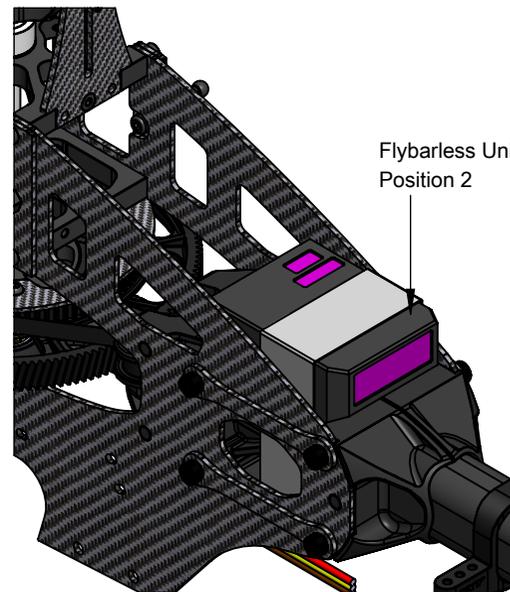
⚠ Be carefully Motor wire and ESC will not touch Motor/Pinion.

⚠ 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.

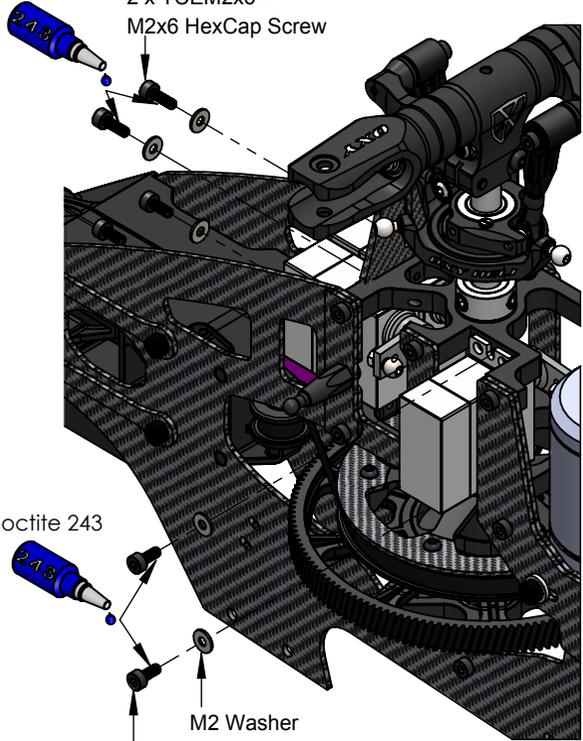




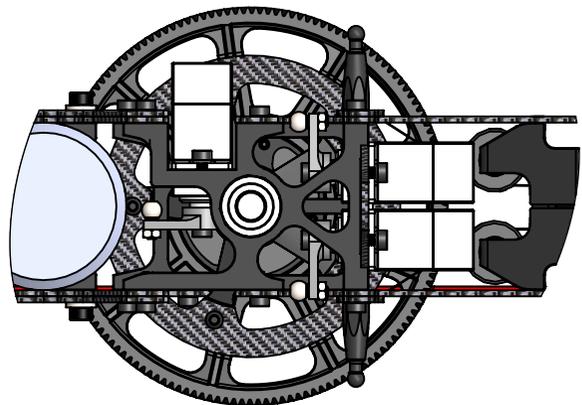
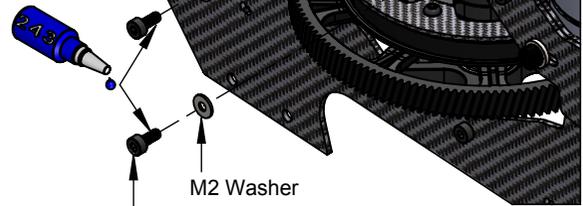
 The FBL system can be installed at the bottom or top of the boom clamp. We suggest to use the bottom for easy wiring and servo removal.



loctite 243
2 x TCEM2x6 -
M2x6 HexCap Screw

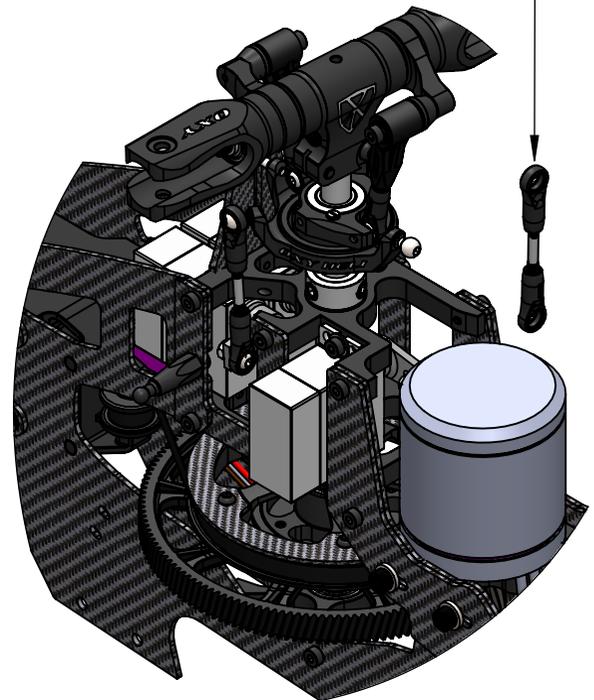


loctite 243
M2 Washer
2 x TCEM2x5 -
M2x5 HexCap Screw

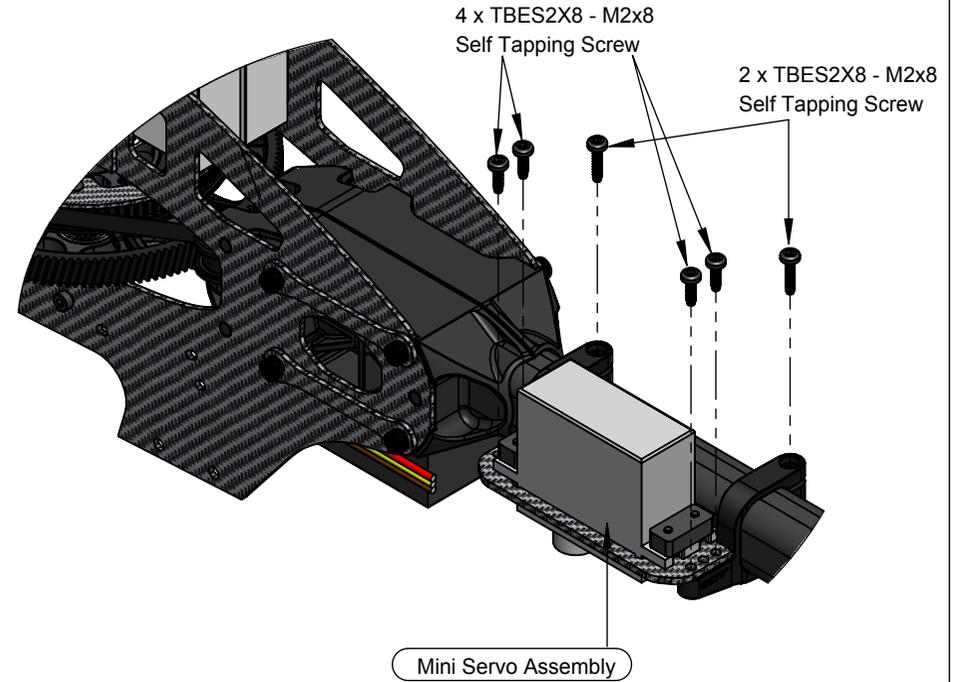
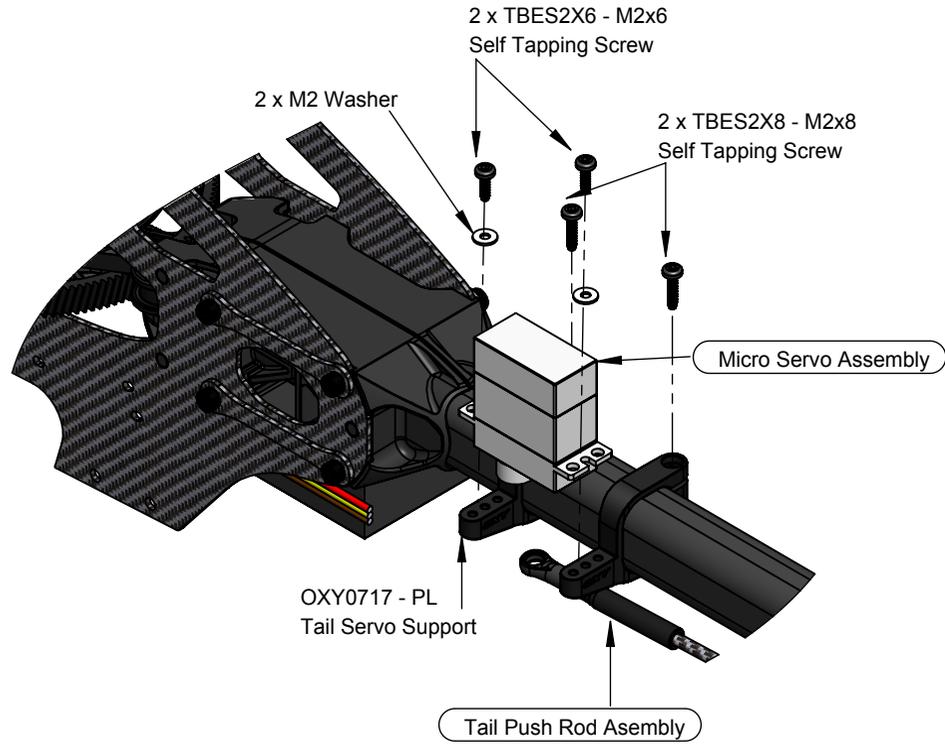


Servo Layout

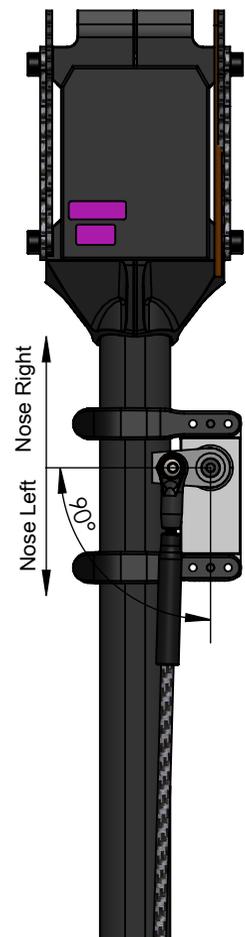
3 x Servo Rod Assembly



Optional Tail Servo Installation



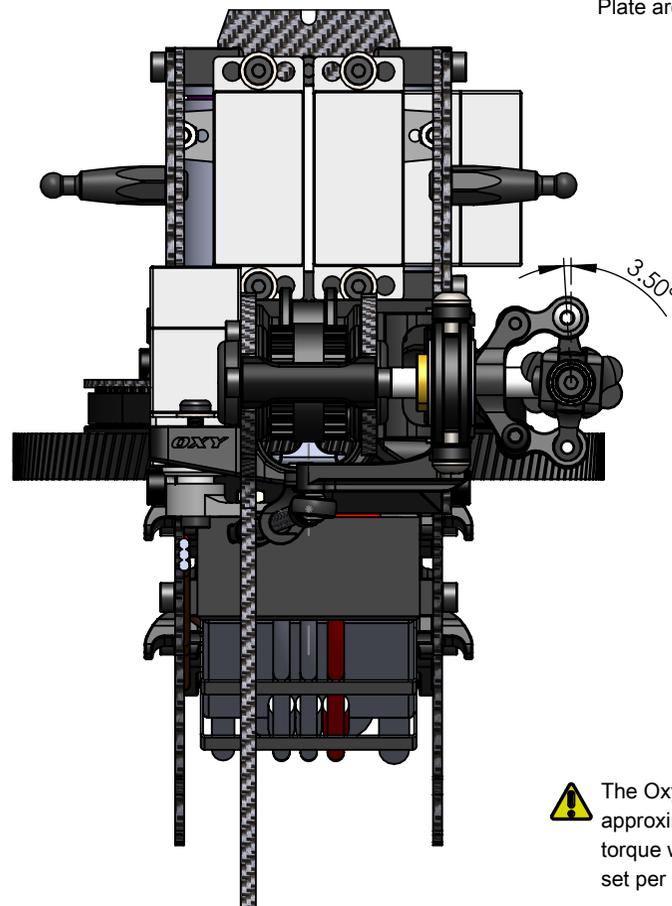
 Arm position with centered Rudder stick.



Leveler
(Accessories Bag)

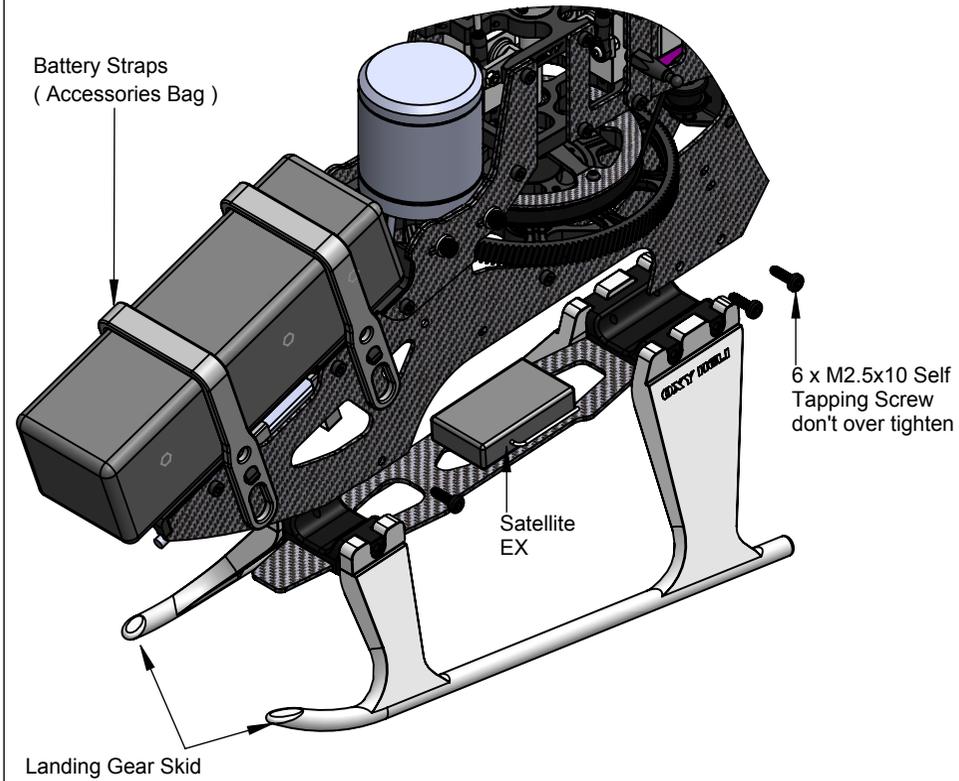


 With Rudder Stick centered and the Tail Servo Arm in the center position, adjust the Tail Push Rod length until the Tail Bell Crank and Tail Case Plate are parallel as shown.

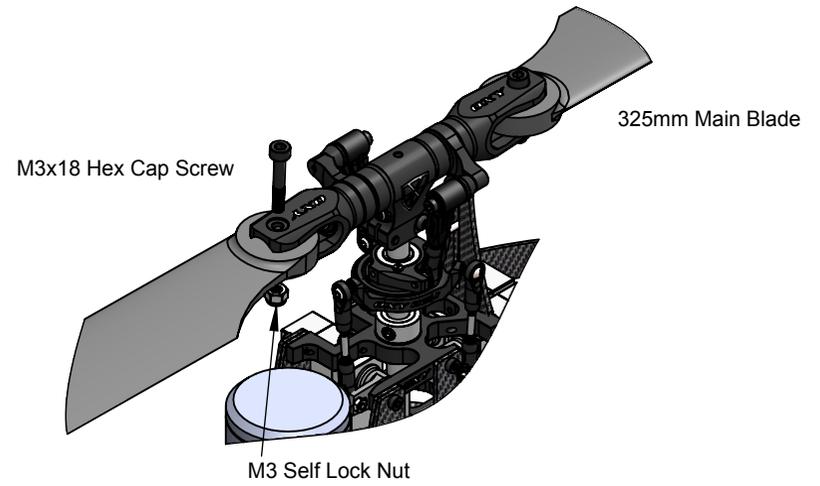


 The Oxy 4 Tail System has approximately 3.5 of counter torque with the Tail Bell Crank set per instructions.

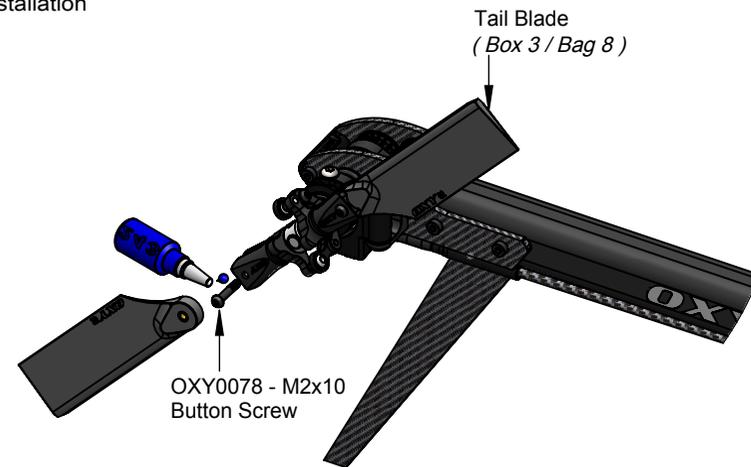
Landing Gear & Battery Installtion



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 15 for RPM and Pitch Settings. Cyclic Max pitch should be +/- 10.5 deg.

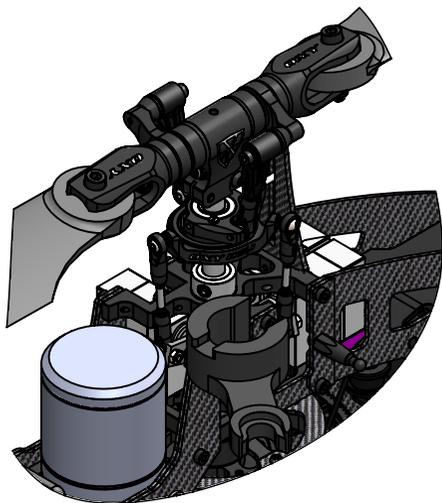
Tail Set Up:

Use the suggested settings for 450 Helicopters BUT start with a lower Tail Gain

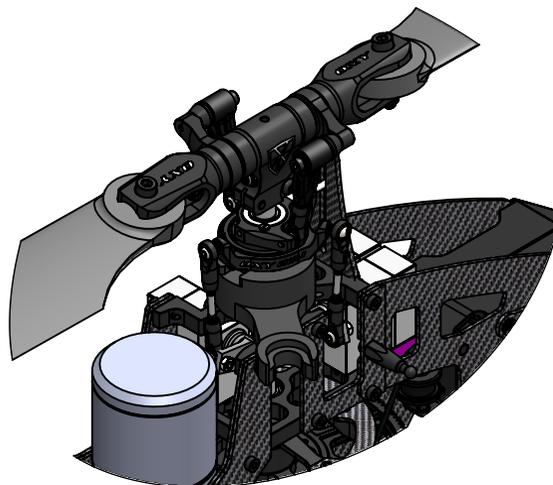
IKON / Brain = 20%

Mini V-Bar = 250 Heli suggested gain.

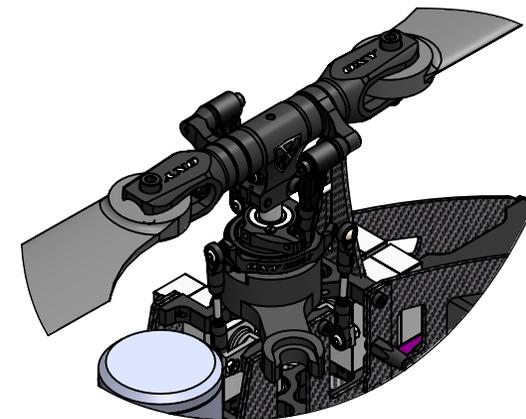
 Lift up swash plate as shown to have space for inserting Leveler.

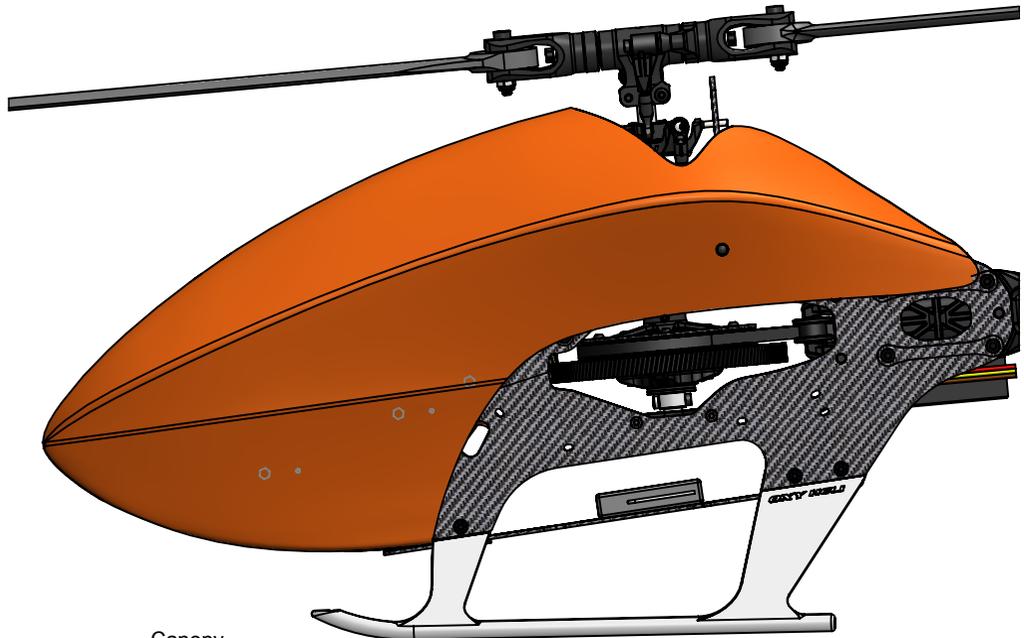


 Rotate Leveler as shown

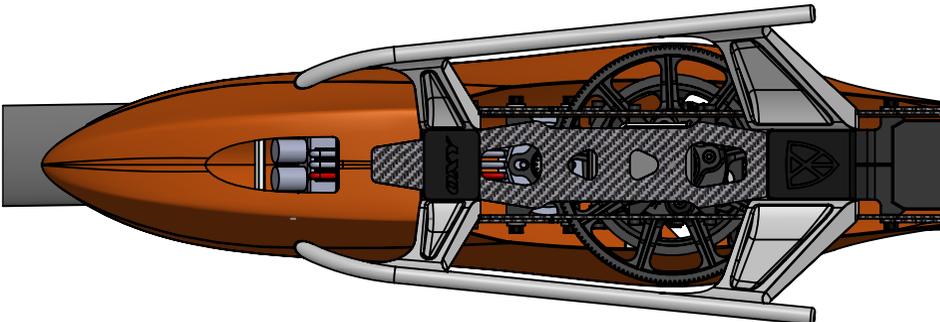


 Lower Swash Plate down until Swash Plate touch Leveler as shown.

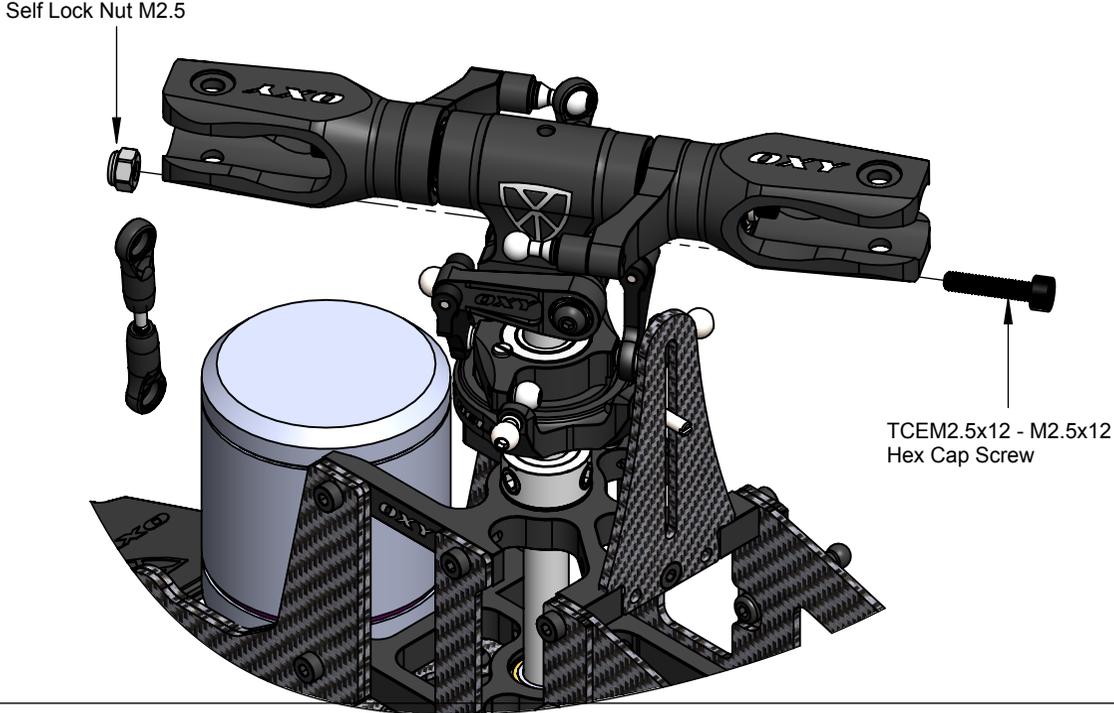
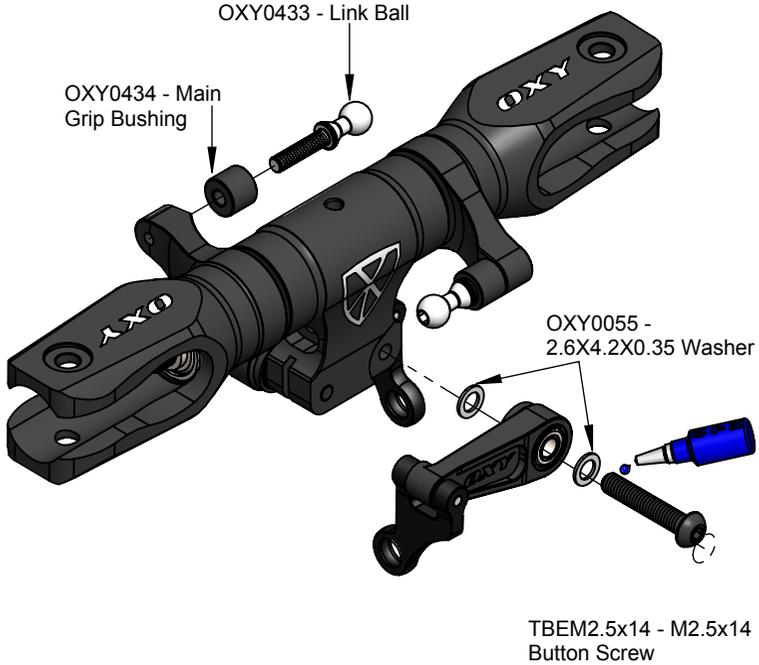
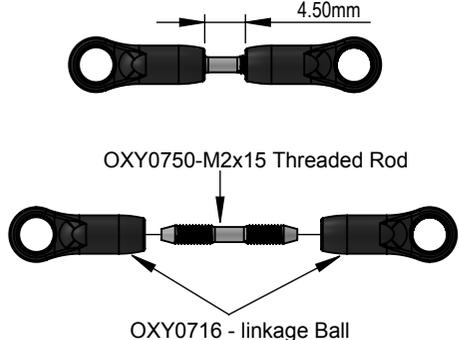
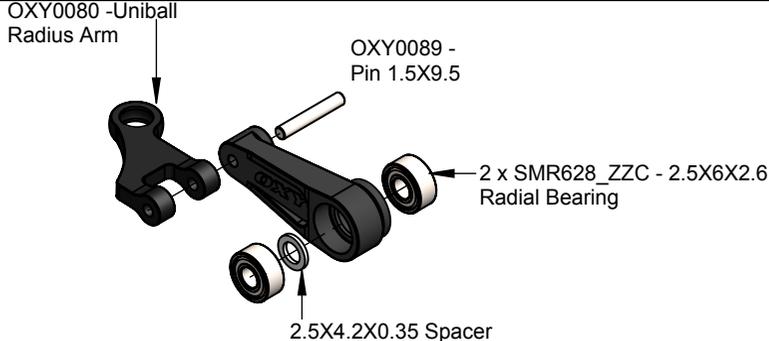


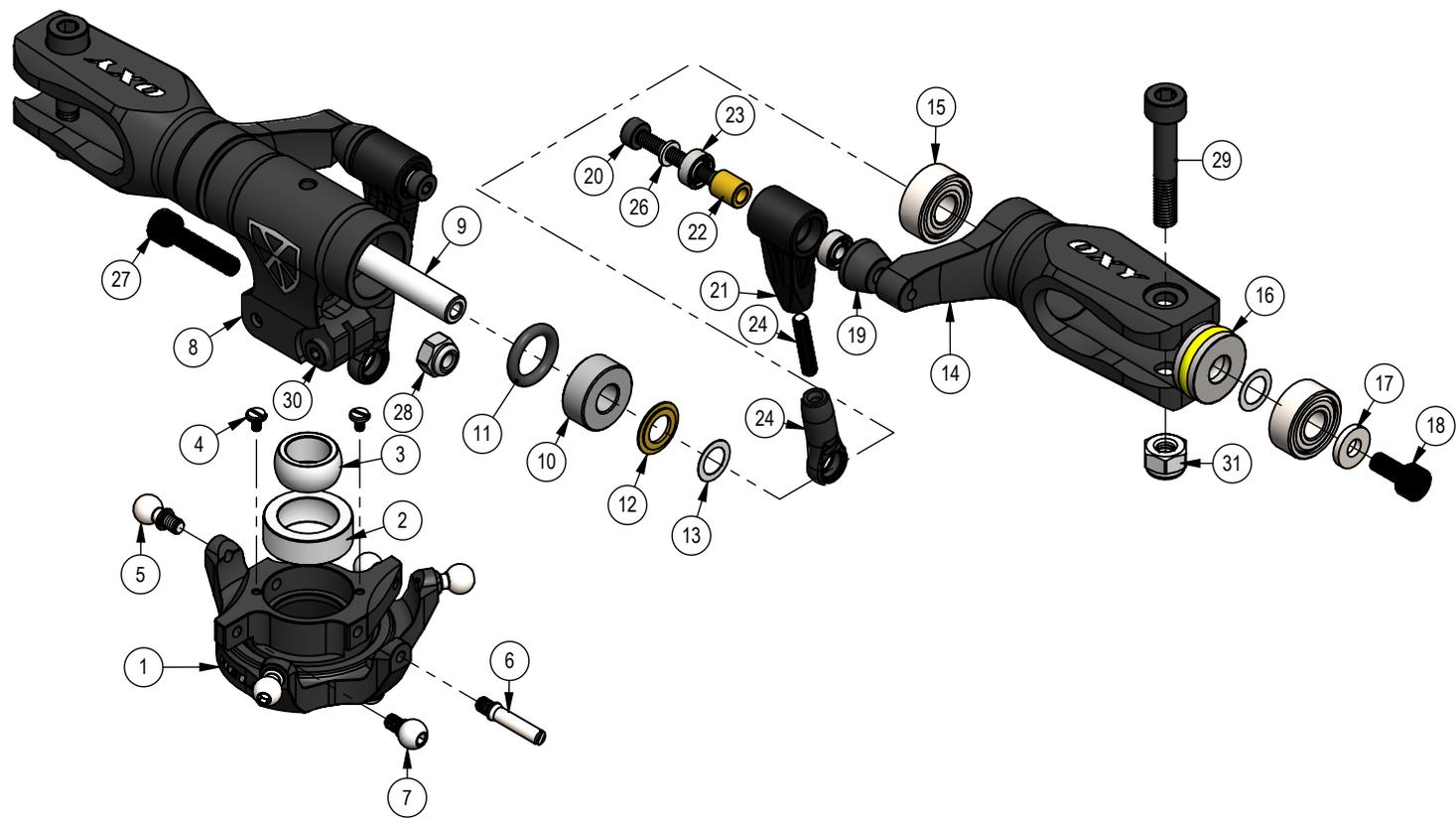


Canopy

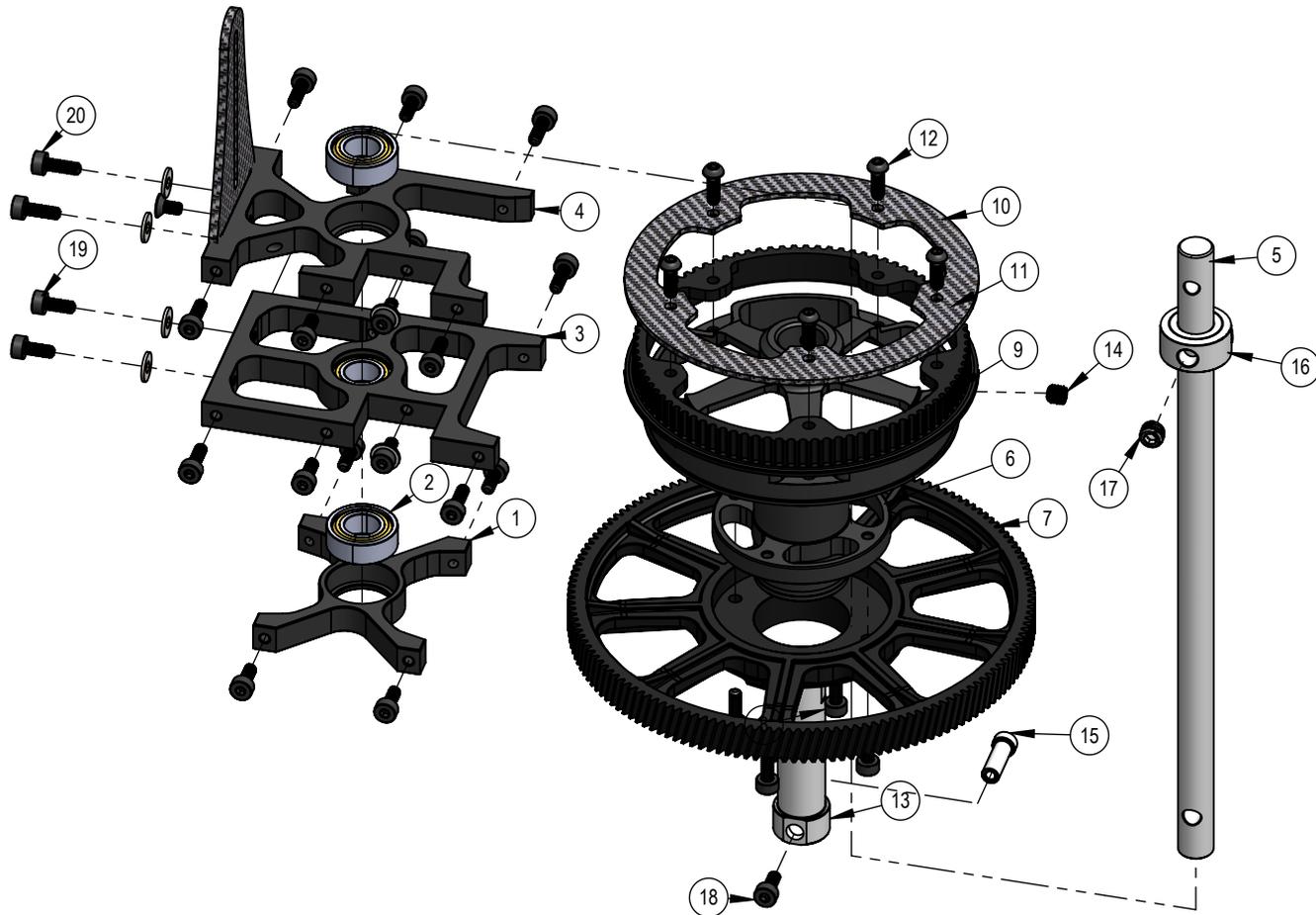


 FBL Head System not Included in the kit

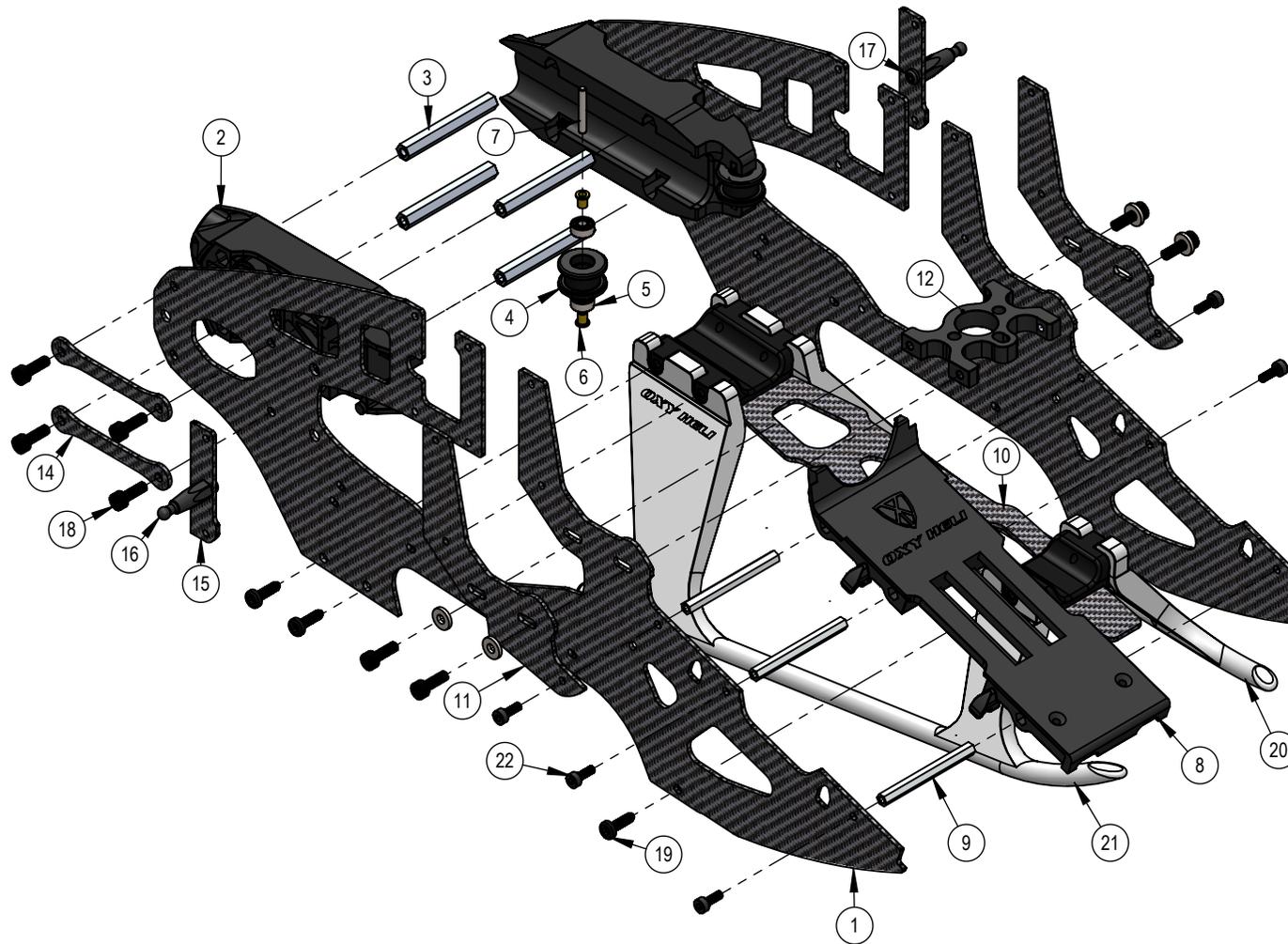




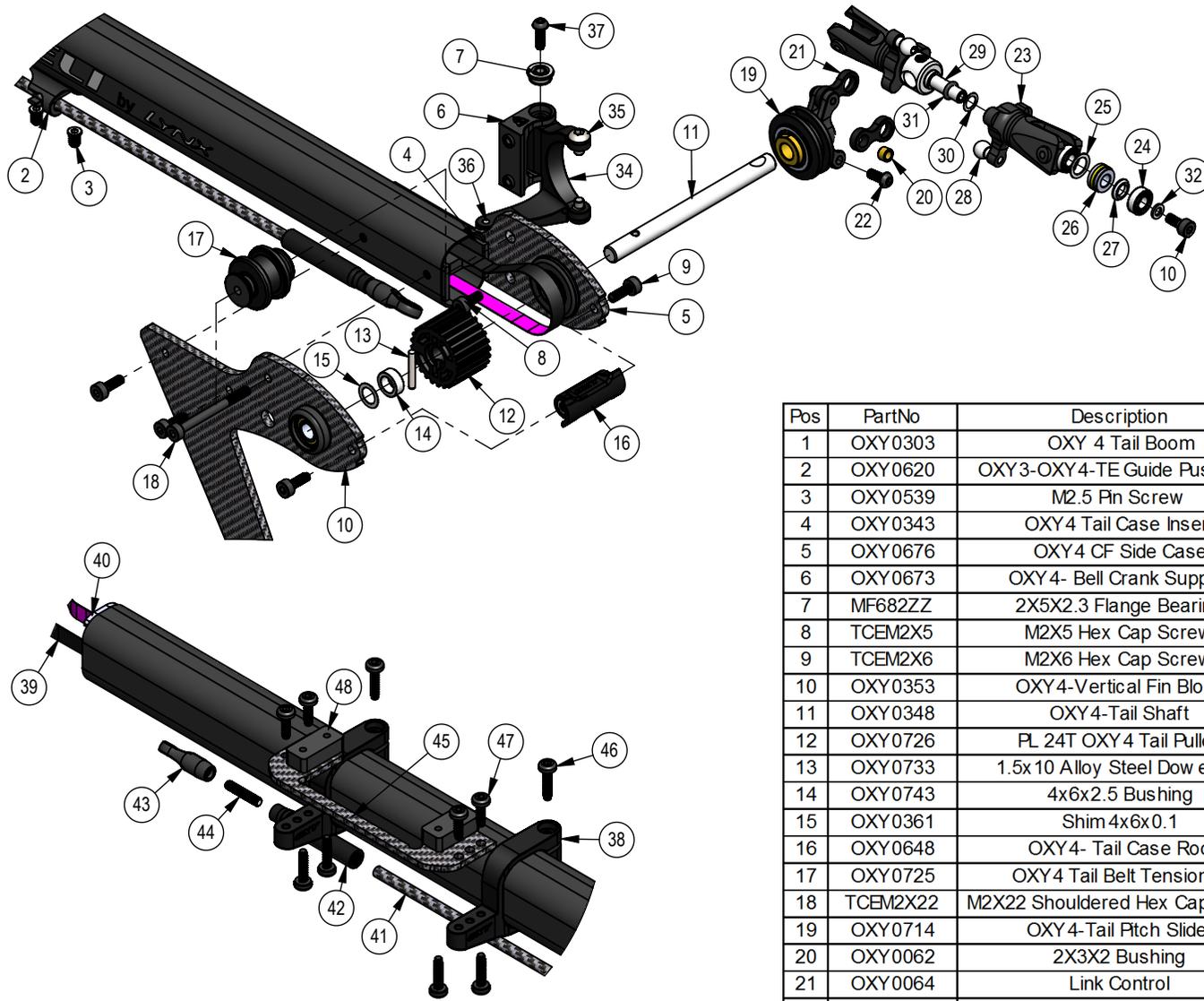
Pos	PartNo	Description	Qty.
1	OXY 0696	OXY 4 Lower Swash Plate	1
2	OXY 0694	OXY 4 Ball Holder	1
3	OXY 0695	OXY 4 Center Ball	1
4	OXY 0020	M1.2x2 Special Screw	2
5	OXY 0019	M2 Wash Plate Ball	3
6	OXY 0018	2x11.5 Anti Rotation Pin	1
7	OXY 0043	4X2 Linkage Ball	2
8	OXY 0324	Center Hub	1
9	OXY 0339	OXY 4-Spindle Shaft	1
10	OXY 0325	OXY 4-Dampner Bushing	2
11	OR6x1.5	Oring ID6x1.5 Shore 80-90	2
12	OXY 0680	OXY 4-Dampner Spacer	2
13	OXY 0361	Shim 4x6x0.1	4
14	OXY 0333	OXY 4-Main Grip	2
15	MR104_ZZC	4X10X4 RADIAL BEARING	4
16	F4-10G	4X10X4 Thrust Bearing	2
17	OXY 0332	M2.5 Washer	2
18	TCEM2.5X6	M2.5X6 Hex Cap Screw	2
19	OXY 0757	OXY 4 - Main Grip Bushing - Black	2
20	TCEM2X18	M2X18 Hex Cap Screw	2
21	OXY 0734	OXY 4-DFC Arm	2
22	OXY 0012	DFC Arm Spacer	2
23	MR52-W2	2X5X2 Radial Bearing	4
24	OXY 0716	4mm PL linkage Ball M2 thread	2
25	OXY 0666	OXY 4 SST Threaded Rod M2X10	2
26	OXY 0055	2X3.5X0.5 Washer	2
27	TCEM2.5X12	M2.5x12 Hex Cap Screw	1
28	SLNM2.5	M2.5 Self Lock Nut	1
29	TCEM3X18	M3X18 Hex Cap Screw Shouldered	2
30	TCEM2X6	M2X6 Hex Cap Screw	2
31	SLNM3	M3 Self Lock Nut	2



Pos	PartNo	Description	Qty.
1	OXY0331	Low er Bearing Block	1
2	RM126-ZZ	6x12x4 Radial Bearing	3
3	OXY0335	Middle Bearing Block	1
4	OXY0352	Upper Bearing Block	1
5	OXY0203	OXY4-Main Shaft	1
6	OXY0655	OXY4-One Way Hub	1
7	OXY0720	OXY4 Injection Main Gear	1
8	TCEM2X6	M2X6 Hex Cap Screw	4
9	OXY0657	OXY4- Front Pulley Hub	1
10	OXY0658	OXY4- Front Flange Pulley	1
11	OXY0721	OXY4 88T Front Pulley	1
12	TBEM2X6	M2X6 Button Screw	5
13	OXY0654	OXY4 One Way Sleeve	1
14	SCM3x3	Flat-Tip Set Screw M3x3	2
15	OXY0656	OXY4 One Way Screw	1
16	OXY0334	OXY4 Main Shaft Lock Ring	1
17	SCM4X3	M4x3 Flat-Tip Set Screw	2
18	TCEM2X4	M2X4 Hex Cap Screw	1
19	TCEM2X5	M2X5 Hex Cap Screw	8
20	TCEM2X6	M2X6 Hex Cap Screw	10



Pos	PartNo	Description	Qty.
1	OXY0661	OXY4- Main Frame	2
2	OXY0683	OXY4- Boom Clamp	2
3	OXY0660	OXY4 H4x32mm M2.5	4
4	OXY0725	OXY4 PL Pulley Guide Belt	2
5	SMR682Z-ZZ	2.5X6X2.6 Radial Bearing	4
6	OXY0668	OXY4 Bell Crank Bushing	4
7	OXY0023	2X13.5 Pin	2
8	OXY0722	OXY4 PL Battery Tray	1
9	OXY0665	OX4 H3x32 M2	3
10	OXY0323	OXY4- Bottom Plate	1
11	OXY0662	OXY4 Motor Mount Stiffener	2
12	OXY0336	OXY4-Motor Mount	1
13	OXY0332	M2.5 Washer	4
14	OXY0663	OXY4 Boom Clamp Stiffener CF	4
15	OXY0425	OXY4 - Break A way Canopy	2
16	OXY0082	Canopy Mount	2
17	TBES2X6	M2X6 Self Tapping Screw	2
18	TCEM2.5x8	M2.5X8 Hex Cap Screw	12
19	TBES2.5X8	M2.5X8 Self Tapping Screw	6
20	OXY0718	Right Landing Gear Skid (Sport)	1
21	OXY0719	Right Landing Gear Skid (Sport)	1
22	TCEM2X6	M2X6 Hex Cap Screw	6



Pos	PartNo	Description	Qty.	Pos	PartNo	Description	Qty.
1	OXY0303	OXY 4 Tail Boom	1	25	OXY0053	4.2X6X0.2 Shim	2
2	OXY0620	OXY3-OXY4-TE Guide Push Rod	1	26	F3-6M	3x6x2.8 Thrust Bearing	2
3	OXY0539	M2.5 Pin Screw	2	27	OXY0723	OXY 3.4 Tail Grip Spacer	2
4	OXY0343	OXY4 Tail Case Insert	1	28	OXY0050	4X3XM2 Ball	2
5	OXY0676	OXY4 CF Side Case	1	29	OXY0344	OXY 4-Tail Hub	1
6	OXY0673	OXY4- Bell Crank Support	1	30	OXY0054	3X4X0.1 Shim	2
7	MF682ZZ	2X5X2.3 Flange Bearing	2	31	OR-ID2_W1	O-RING ID2 W1	2
8	TCEM2X5	M2X5 Hex Cap Screw	3	32	OXY0055	2X3.5X0.5 Washer	2
9	TCEM2X6	M2X6 Hex Cap Screw	6	33	SCM3x3	Flat-Tip Set Screw M3x3	1
10	OXY0353	OXY4-Vertical Fin Block	1	34	OXY0724	OXY4-Tail Bell Crank	1
11	OXY0348	OXY4-Tail Shaft	1	35	OXY0057	Tail Pin Screw	2
12	OXY0726	PL 24T OXY 4 Tail Pulley	1	36	OXY0092	4X2X4.2 M2 Linkage Ball	1
13	OXY0733	1.5x10 Alloy Steel Dow el Pin	1	37	TBEM2X6	M2X6 Button Screw	2
14	OXY0743	4x6x2.5 Bushing	1	38	OXY0717	OXY4 PL Tail Servo Support	2
15	OXY0361	Shim 4x6x0.1	1	39	B516MXL	Timing Belt	1
16	OXY0648	OXY4- Tail Case Rod	1	40	OXY0684	OXY4- Front Boom Insert	1
17	OXY0725	OXY4 Tail Belt Tensioner	1	41	OXY0357	OD2.5 Carbon Rod STD	1
18	TCEM2X22	M2X22 Shouldered Hex Cap Screw	1	42	OXY0735	OXY4 - Tail Push Rod terminal	2
19	OXY0714	OXY4-Tail Pitch Slider	1	43	OXY0716	4mm PL linkage Ball M2 thread	2
20	OXY0062	2X3X2 Bushing	2	44	OXY0666	OXY4 SST Threaded Rod M2X10	2
21	OXY0064	Link Control	2	45	OXY0736	OXY 4 - CF Tail Servo Stiffener	1
22	TBEM2X5	M2X5 Button Screw	2	46	TBES2X8	M2X8 Self Tapping Screw	6
23	OXY0710	OXY 4 Tail Grip	2	47	TBES2X6	M2X6 Self Tapping Screw	4
24	MR63-X	3X6X2 Radial Bearing	4	48	OXY0770	Mini Tail Servo Spacer	2



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 - 1003
OXY4 - Main Grip - Black, 2Pcs - Set



- 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 Radial 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

OSP - 1058
OXY4 - DFC set



- 2 x DFC Assembly

OSP - 1007
OXY4 - DFC Arm, Service Bag



- 4 x OXY4-DFC Arm

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

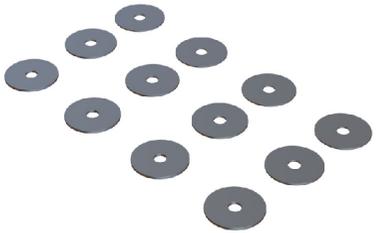


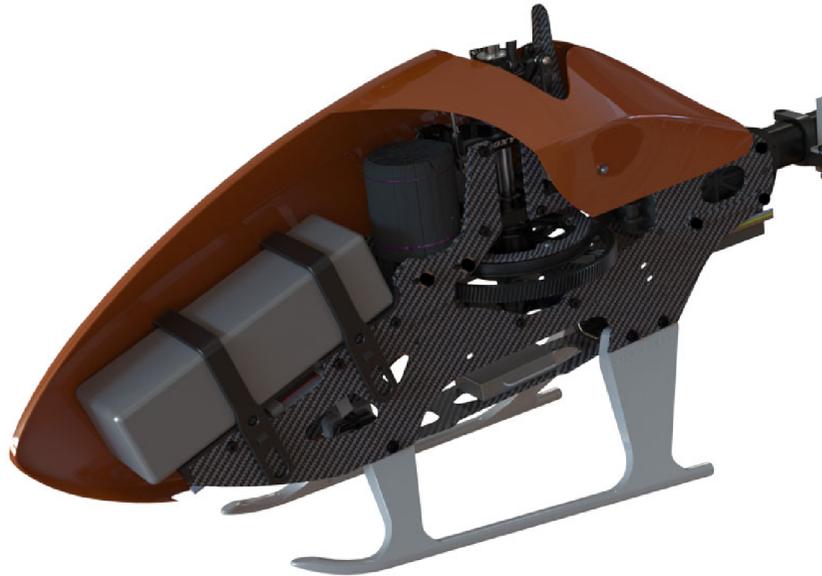
- 1 x OXY4 Ball Holder
- 1 x OXY4 Center Ball
- 2 x M1.2x2 Special Screw
- 1 x 2x11.5 Anti Rotation Pin
- 3 x M2 Wash Plate Ball
- 4x Linkage Ball

OSP-1009
OXY4 - Carbon Steel Main Shaft



- 1 x OXY4-Main Shaft
- 1 x OXY4 Main Shaft Lock Ring
- 1 x M4x3 Flat-Tip Set Screw
- 1 x M2.5 Self Lock Nut
- 1 x M2.5x12 Hex Cap Screw

<p>OSP-1008 OXY4 - PL Linkage Ball, 10pcs</p>  <p>10 x Plastic Linkage Ball</p>	<p>OSP-1012 Threaded Rod M2x10</p>  <p>10 x M2x10 Threaded Rod</p>	<p>OSP - 1048 Threaded Rod M2x20</p>  <p>10 x 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-1059 OXY4-FBL-Head-System</p>  <p>1 Set FBL</p>
<p>OSP-1076-OXY4- FBL-Antirotation-Arm, Service-Bag</p> 	<p>OSP-1075 V2-FBL-Linkage-Ball,-Set</p>  <p>5 x FBL Still Linkage Ball 5 x FBL Bushing</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>



OSP - 1019
OXY4 - Upper Main Shaft Bearing Block



- 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

OSP - 1020
OXY4 - Middle Main Shaft Bearing Block



- 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

OSP - 1021
OXY4 - Lower Main Shaft Bearing Block



- 1 x Lower Bearing Block
- 1 x 6x12x4 Radial Bearing
- 4 x M2x5 Hex Cap Screw

OSP - 1022
OXY4 - Motor Mount



- 1 x OXY4-Motor Mount
- 4 x M2.5 Washer
- 8 x M2.5x8 Hex Cap Screw

OSP - 1017
OXY4 - Tail Boom Clamp Mount, Set



- 2 x OXY4 Boom Clamp
- 4 x OXY4 H4x32mm M2.5
- 4 x OXY4 Boom Clamp Stiffener
- 8 x M2.5x8 Hex Cap Screw

OSP - 1023
OXY4 - Main Shaft Bearing Block - Service Bag



- 3 x 6x12x4 Radial Bearing

OSP - 1018
OXY4 - Boom Mount Lock Rod



- 4 x OXY4 H4x32mm M2.5
- 8 x M2.5x8 Hex Cap Screw

OSP - 1014
OXY4 - Main Frame



- 1 x OXY4 Main Frame

OSP - 1024
OXY4 - Break Away Canopy Plate



- 2 x Break Away Canopy Plate

OSP - 1025
OXY4 - Motor Mount Stiffener Plate



- 4 x OXY4 Motor Mount Stiffener

OSP - 1026
OXY4 - Carbon Anti Rotation Guide



- 1 x OXY4 - Anti rotation Guide

<p>OSP-1015-OXY4-CF-Bottom-Plate</p>  <p>1 x CF-Bottom-Plate 6 x M2.5x10 Self Tapping Screw</p>	<p>OSP-1016-OXY4-Plastic Landing Gear Skid,Set</p>  <p>1 Set landing Gear Skid</p>	<p>OSP - 1027 OXY4 - Belt Pulley Guide, Set</p>  <p>2 x Pulley Guide Belt Assembly</p>	<p>OSP - 1028 OXY4 - Main Gear, 2PC</p>  <p>2 x Injection Main Gear</p>	<p>OSP - 1029 OXY4 - One Way Hub Assembly</p>  <p>1 x Main Gear Hub Set</p>
<p>OSP - 1030 OXY4 - Front Pulley Assembly</p>  <p>1 x OXY4 - Front Pulley Hub 2 x Set Screw M3x3</p>	<p>OSP - 1031 OXY4 - Front Pulley Spare</p>  <p>1 x OXY4 88T Front Pulley 1 x OXY4- Front Flange Pulley 5 x M2X6 Button Screw</p>	<p>OSP - 1032 OXY4-One Way Sleeve</p>  <p>1 x OXY4 One Way Sleeve 1 x OXY4 One Way Screw 1 x M2X4 Hex Cap Screw</p>	<p>OSP - 1034 OXY4- Battery Tray</p>  <p>1 x OXY4 PL Battery Tray 3 x OX4 H3x32 M2 M2X6 Hex Cap Screw</p>	<p>SP-OXY3-015 - OXY3 - Battery Oring , 4PC</p>  <p>4 x Battery Strap</p>
<p>OSP-1077 OXY3-OXY4 - Canopy Mount</p>  <p>4 x Canopy Mount 4 x Self Tapping Screw</p>	<p>OSP-1073 OXY4 - Sleeve Locking Screw</p>  <p>2 x Sleeve Locking Screw 2 x M2x4 Hex Cap Screw</p>	<p>OSP - 1052 OXY4 - Boom Clamp Stiffener, 4Pcs</p>  <p>4 x OXY4 Boom Clamp Stiffener CF</p>	<p>M2.5x8CS-10 - Hex Cap Screw M2.5x8, 10 PCS</p>  <p>10 x Hex Cap Screw M2.5x8, 10 PCS</p>	<p>M3x8CS-10 - Hex Cap Screw M3x8, 10 PCS</p>  <p>10 x Hex Cap Screw M3x8, 10 PCS</p>

<p>M2x6CS-10 - Hex Cap Screw M2x6, 10 PCS</p>  <p>10 x Hex Cap Screw M2x6, 10 PCS</p>	<p>M2x5CS-10 - Hex Cap Screw M2x5, 10 PCS</p>  <p>10 x Hex Cap Screw M2x5, 10 PCS</p>	<p>M2x4CS-10 - Hex Cap Screw M2x4, 10 PCS</p>  <p>Hex Cap Screw M2x4, 10 PCS</p>	<p>M3x3SC-10 - Set Screw M3x3, 10 PCS</p>  <p>Set Screw M3x3, 10 PCS</p>	<p>M2x6BH-10 - Button Hex Cap Screw M2x6, 10 PCS</p>  <p>Button Screw M2x6, 10 PCS</p>
<p>M2.5x8SBH-10 Self-TappingScrew M2.5x8, 10 PCS</p>  <p>10 x Self Tapping M2.5x8</p>				

	<p>OSP - 1035 OXY4-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 - 1038 OXY4 - Tail Case Bearing Block Assembly</p>  <p>1 x Tail Case Assembly 2 x M2x6 Hex Cap Screw</p>	<p>OSP - 1039 OXY4 - 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 - 1043 OXY4 - Tail Grip</p>  <p>2 x Tail Grip Assembly</p>	<p>OSP - 1044 OXY4 - Tail Rotor Hub, Spare</p>  <p>1 x OXY4-Tail Hub 1 x Set Screw M3x3 2 x O-RING ID2 W1 2 x 3X4X0.1 Shim 2 x M2X5 Hex Cap Screw 2 x 2X3.5X0.5 Washer</p>	<p>OSP-1045 OXY4 - Vertical Fin</p>  <p>1 x Vertical Fin Set</p>

<p>OSP-1046 OXY4 - 325mm Tail Push Rod Set</p>  <p>1 x Tail Push Rod, Set</p>	<p>OSP - 1047 OXY4 - 325mm Tail Boom</p>  <p>1 x Tail STD Boom</p>	<p>OSP-1068 OXY4 - Stretch Kit 360 Combo</p>  <p>2 x Tail STD Boom</p>	<p>OSP-1070 OXY4 - 360 - Tail Push Rod</p> 	<p>OSP-1069 OXY4 - 360 Tail Boom</p>  <p>1 x 360mm Tail Boom</p>
<p>SP-OXY3-025 OXY3 - Tail Rotor - Service Bag</p>  <p>2 x Steel Ball 2 x M2 Washer 2 x Shim 4.2x6x0.2 2 x Bearing Spacer 2 x Thrust Bearing 3x6x2.8 4 x Radial Bearing 3x6x2 2 x Button Screw M2x10</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-1060 OXY4 325mm Timing Belt Spare</p>  <p>2 x Timing Belt B516MXL 2 x Front Boom Insert</p>	<p>OSP-1071 OXY4 360mm Timing Belt Spare , 1Pcs</p>  <p>1 x Timing Belt B557MXL 1 x Front Boom Insert</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>OSP-1051 OXY4 - Tail Blade 68mm - Black, 2Pcs</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>1 x Leveler Tool</p>	<p>OSP-1056 OXY4 - Vertical Fin Sticker</p> 	<p>SP-OXY3-054 OXY3 - Battery Hook & Loop, 2 Set</p>  <p>2 x OXY3 - Battery Hook & Loop, 2 Set</p>	<p>SP-OXY3-055 - OXY3 Double Side Adhesive Tape, 2PC</p>  <p>2 x Double Side Adhesive Tape</p>	<p>SP-OXY3-057 OXY3 - Cable Ties Set</p> 
<p>M3x18CS-10 Hex Cap Screw M3x18, 10 PCS</p>  <p>10 x Hex Cap Screw M3x18</p>	<p>M3x3SC-10 Set Screw M3x3, 10 PCS</p>  <p>10 x Set Screw M3x3</p>	<p>M2.5-SLN-10 Self Lock Nut M2.5</p>  <p>10 x Self Lock Nut M2.5</p>	<p>M2x8SBH-10 Self-Tapping Button Hex Screw M2x8, 10 PCS</p>  <p>10 x Self-Tapping Button Hex Screw M2x8</p>	<p>M2x6SBH-10 Self-Tapping Button Hex Screw M2x6, 10 PCS</p>  <p>10 x Self-Tapping Button Hex Screw M2x6</p>
<p>M3-SLN-10 Self Lock Nut M3</p>  <p>10 x Self Lock Nut M3</p>	<p>M2x18CS-10 Hex Cap Screw M2x18, 10 PCS</p>  <p>10 x Hex Cap Screw M2x18</p>	<p>M2x6CS-10 Hex Cap Screw M2x6, 10 PCS</p>  <p>10 x Hex Cap Screw M2x6</p>	<p>M2x5CS-10 Hex Cap Screw M2x5, 10 PCS</p>  <p>10 x Hex Cap Screw M2x5</p>	<p>M2.5x12CS-10 Hex Cap Screw M2.5x12, 10 PCS</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>	<p>OSP-1061 OXY4 STD Canopy</p>  <p>1 x Canopy</p>	<p>SP-0065 OXY4 - Helicoidal Pinion 14T - 3.17mm Motor Shaft</p>  <p>1x 14T -3.17mm Motor Shaft Pinion 1 x Set Screw M3x3</p>	<p>SP-0066 OXY4 - Helicoidal Pinion 15T, - 3.5mm Motor Shaft</p>  <p>1x 15T -3.5mm Motor Shaft Pinion 1 x Set Screw M3x3</p>	<p>SP-0067 OXY4 - Helicoidal Pinion 17T - 3.5mm Motor Shaft</p>  <p>1x 17T -3.5mm Motor Shaft Pinion 1 x Set Screw M3x3</p>
<p>OSP-1086 OXY4 - Helicoidal Pinion 12T - 3.17mm Motor Shaft</p>  <p>1x 12T -3.17mm Motor Shaft Pinion 1 x Set Screw M3x3</p>	<p>OSP-1087 OXY4 - Helicoidal Pinion 13T - 3.5mm Motor Shaft</p>  <p>1x 13T -3.5 mm Motor Shaft Pinion 1 x Set Screw M3x3</p>	<p>OSP-1088 OXY4 - Helicoidal Pinion 15T - 3.17mm Motor Shaft</p>  <p>1x 15T -3.17 mm Motor Shaft Pinion 1 x Set Screw M3x3</p>	<p>OSP-1089 OXY4 - Helicoidal Pinion 16T - 3.5mm Motor Shaft</p>  <p>1x 16T -3.5 mm Motor Shaft Pinion 1 x Set Screw M3x3</p>	<p>OSP-1090 OXY4 - Helicoidal Pinion 18T - 3.5mm Motor Shaft</p>  <p>1x 18T -3.5 mm Motor Shaft Pinion 1 x Set Screw M3x3</p>

OSP-1091
OXY4 - Helicoidal Pinion 13T
- 3.17mm Motor Shaft



1x 13T -3.17 mm Motor Shaft Pinion
1 x Set Screw M3x3

OSP-1092
OXY4 - Helicoidal Pinion 14T
- 3.5mm Motor Shaft



1x 14T -3.5 mm Motor Shaft Pinion
1 x Set Screw M3x3