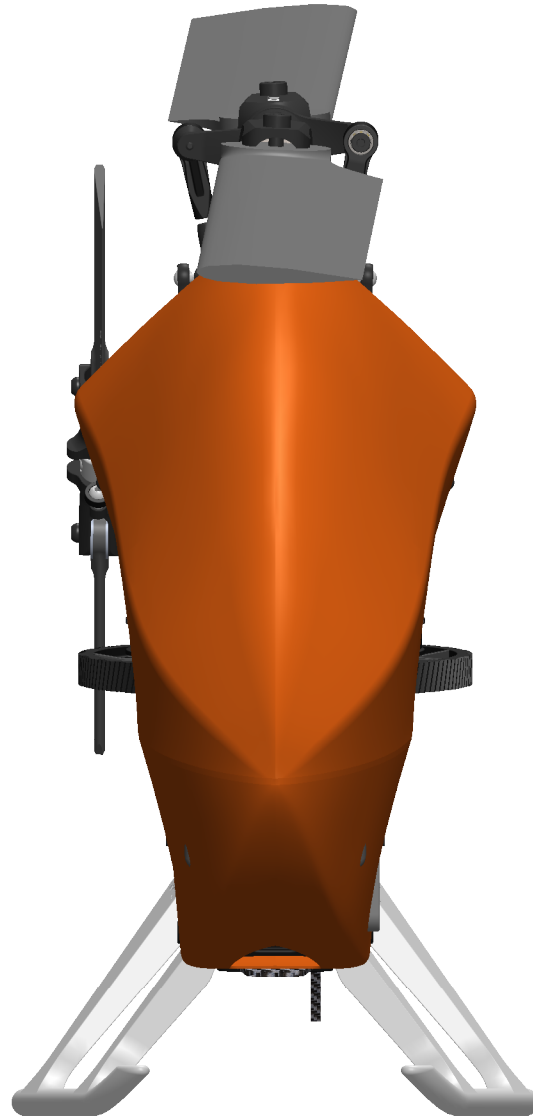


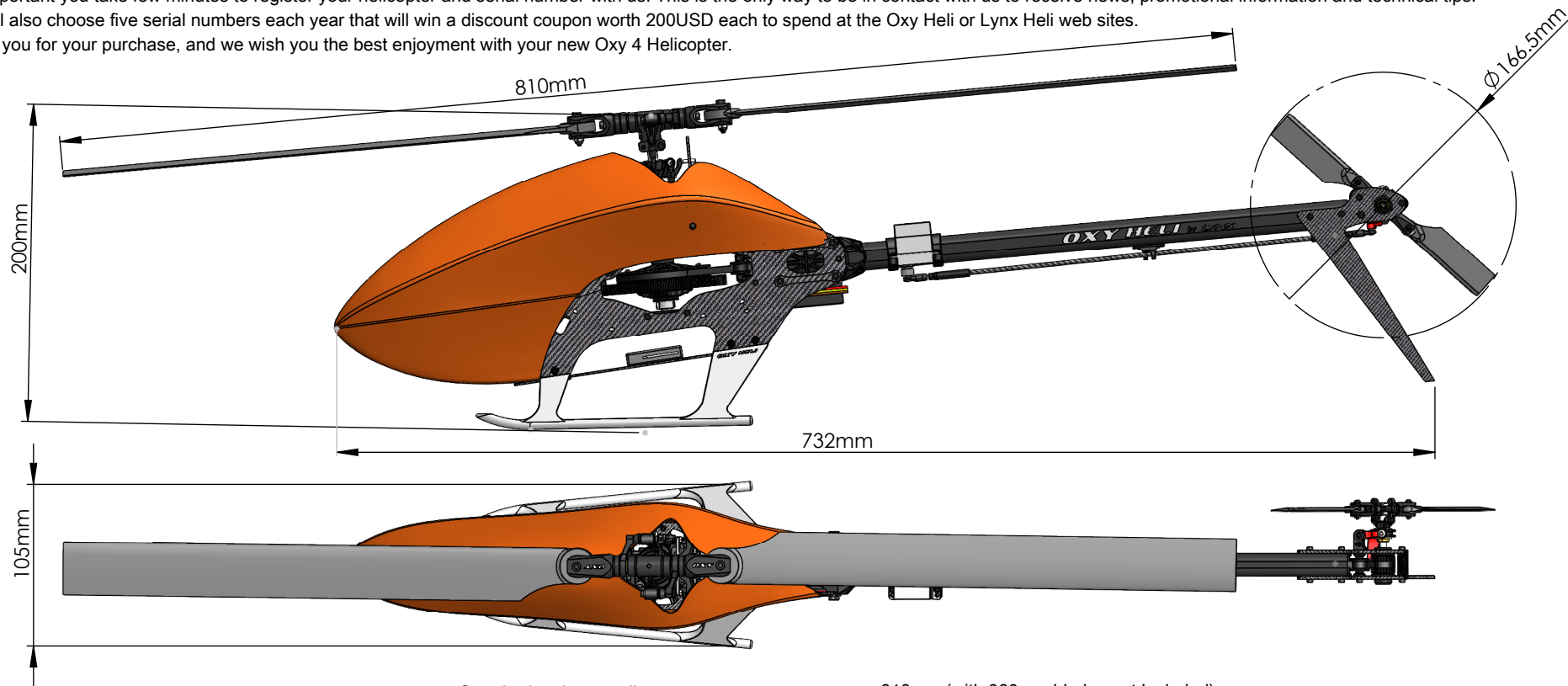
OXY4
360NB Instruction Manual



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Chapter 4 - What's Inside The Box	page 5 - 6
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Chapter 13 - Flybarless Installation	page 27
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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	: 810mm (with 360mm blades not Included).
-Standard main blade length	: 325mm
-Main Grip Clamping	: M3 / 6 mm root.
-Standard tail rotor diameter	: 166.5 mm.
-Standard tail blade length	: 62/68 mm.
-Tail Blade Clamping	: M2 / 3.5 mm root.
-Weight	: 800g (ready to fly excluding batteries)
-Maximum motor size	: diameter 33mm.
-Maximum battery size	: length 105mm, height 35mm, width 43mm, 260 weight 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:

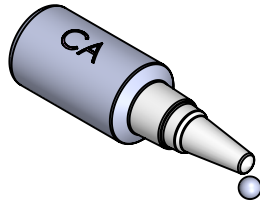
Only fly this model in areas designated for the use of model aircraft. Ensure you obtain indemnity insurance, normally available through your National model aircraft association. Remain at least 6 meters (20 feet) from the model at all times. Never allow spectators or animals any closer than 30 meters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



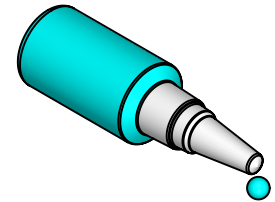
Use CA Glue



Use Loctite 243 Medium Strength



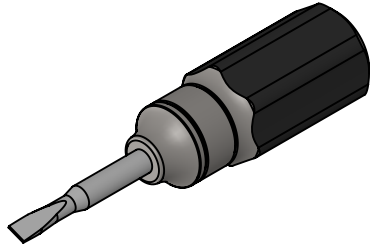
Use Loctite 648 Bonding



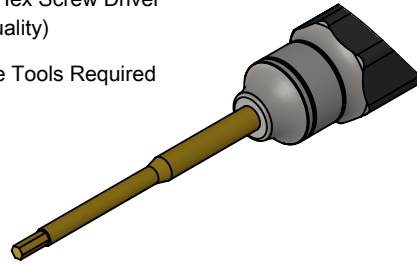
Use Silicone Grease

TOOLS REQUIRED

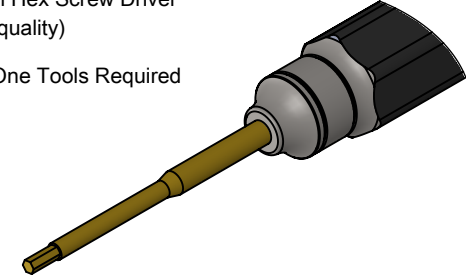
Small Tip - Flat Screw Driver

1.5mm Hex Screw Driver
(High quality)

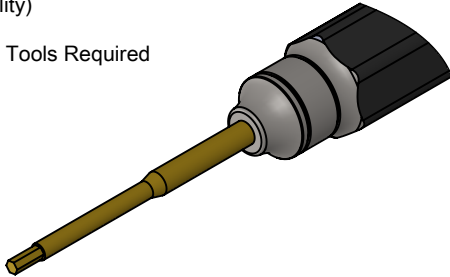
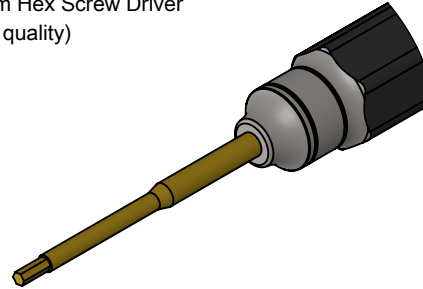
⚠ One Tools Required

1.3mm Hex Screw Driver
(High quality)

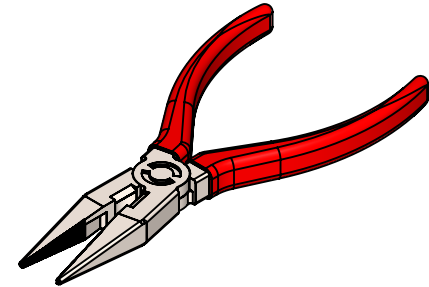
⚠ One Tools Required

2mm Hex Screw Driver
(High quality)

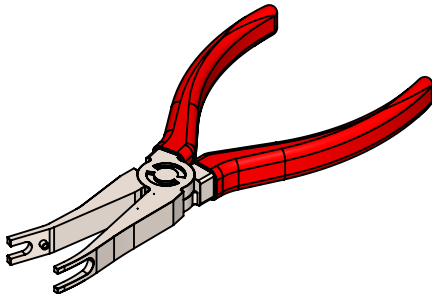
⚠ Two Tools Required

2.5mm Hex Screw Driver
(High quality)

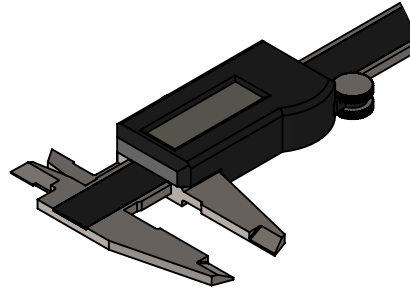
Needle Nose Pliers



Uniball Pliers

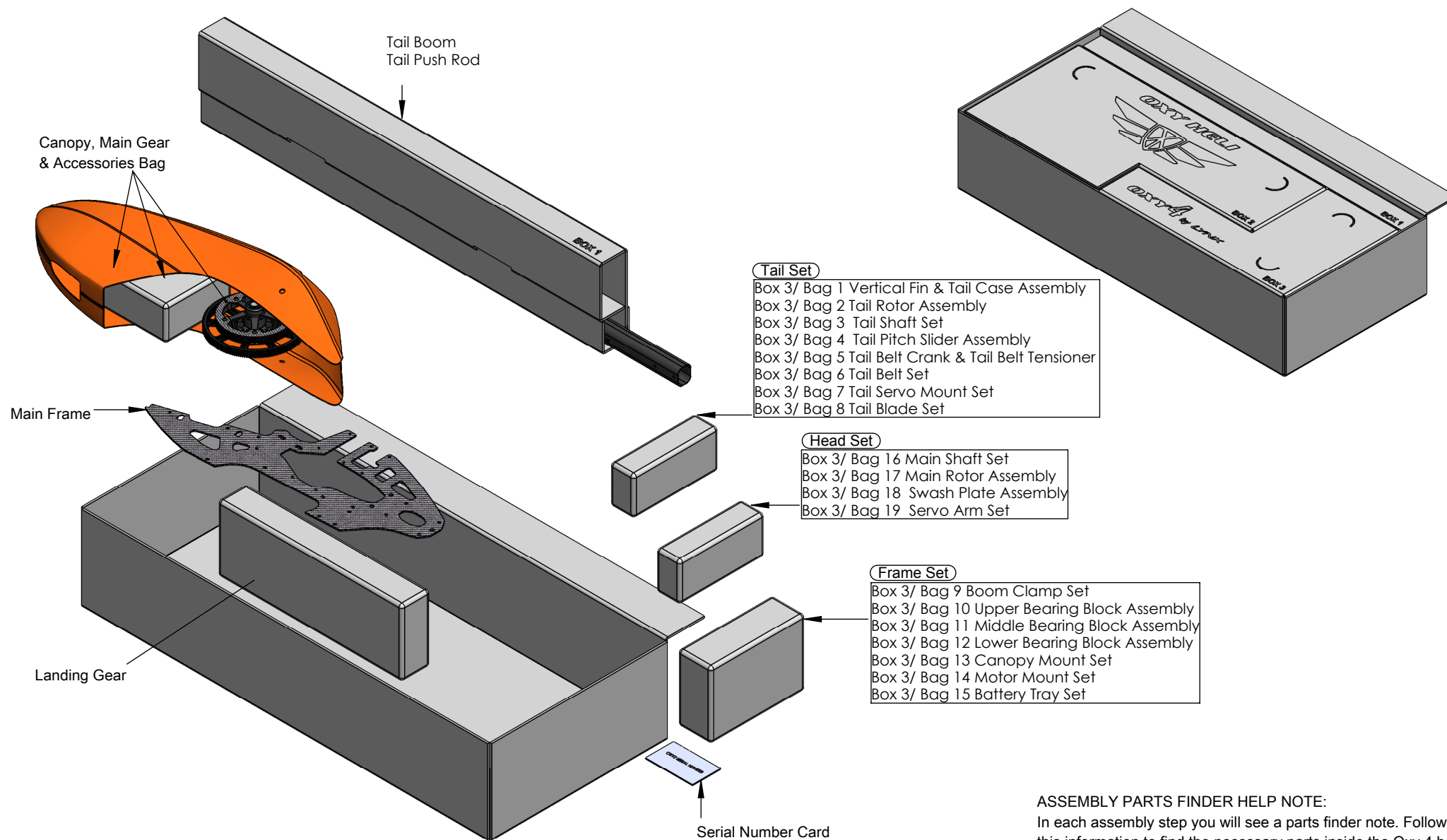


Caliper



Note :

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



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 – (3/4S 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	24
	Hard 3D	3300	3500	350-360	+/- 13	68	24
	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 between 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 4 is a 450 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 MICRO size servo speed: =>0.06 sec/60 at 6V.

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

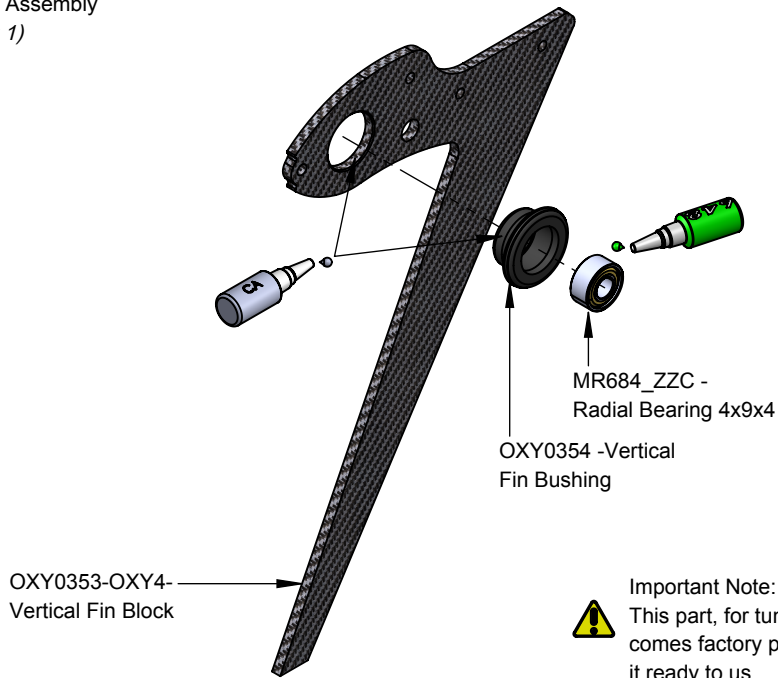
- FBL System: The OXY 4 is designed around the Ikon / Brain and Neo V-Bar Systems. Many other FBL systems can be used, depending on your personal choice. Max inner Frame dimension 33mm.

- Main blade: 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.

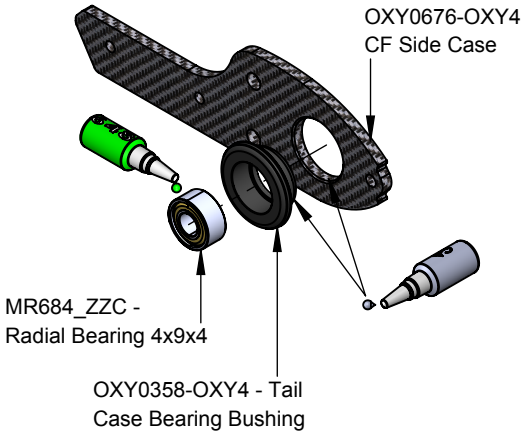
We offer 62 and 68mm tail blades to suit different head speeds. See table above for suggested tail blade size based on rpm.

Vertical Fin Assembly
(Box 3/Bag 1)



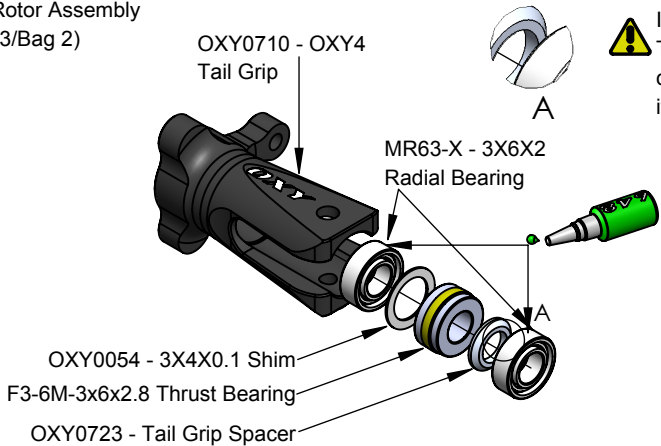
Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to us

Tail Case Assembly
(Box 3/Bag 1)

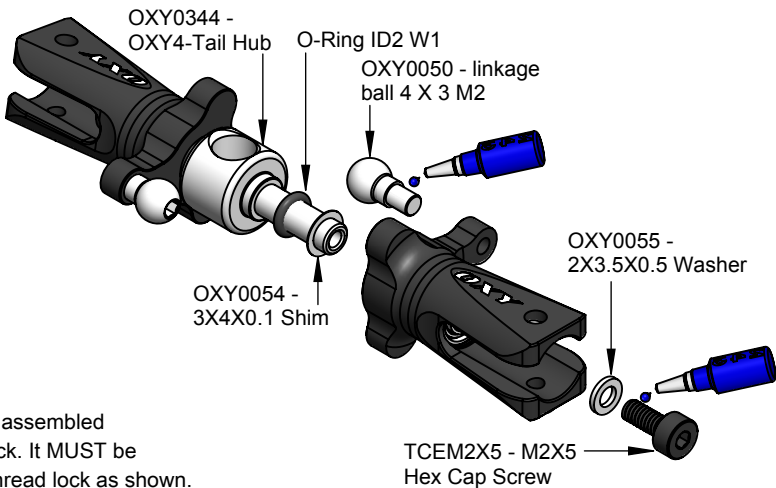


Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to us

Tail Rotor Assembly
(Box 3/Bag 2)

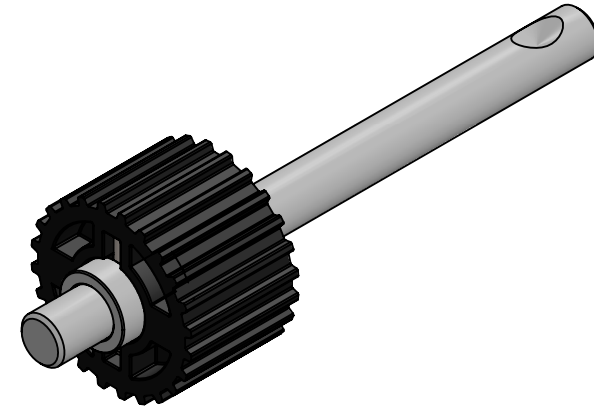
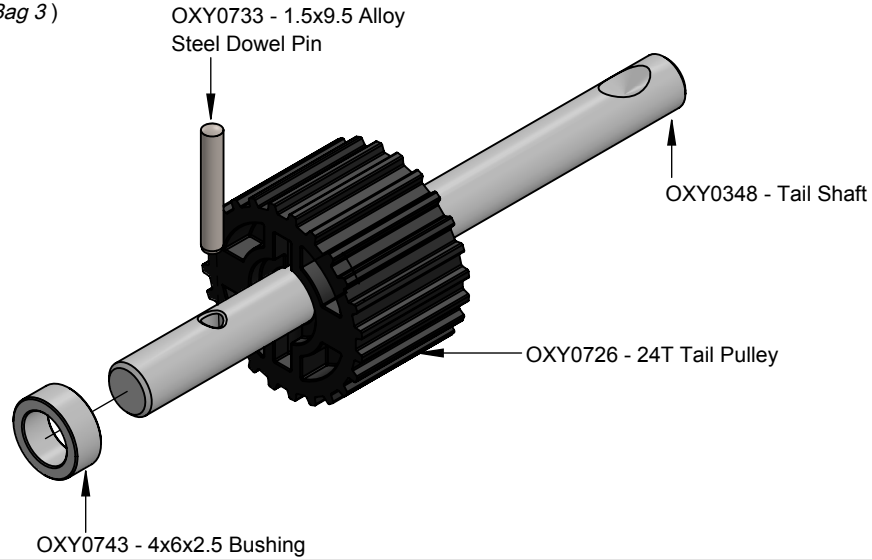


Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to use

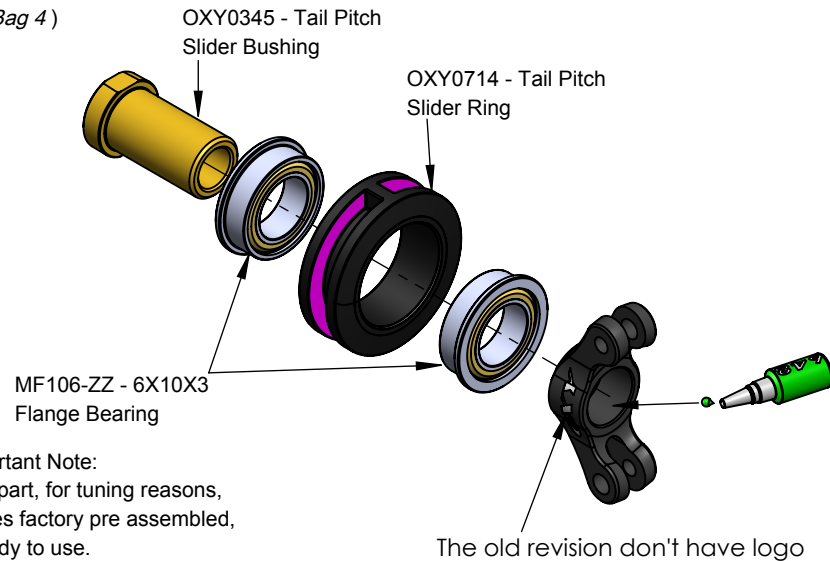


Important Note:
This part comes pre assembled
WITHOUT thread lock. It MUST be
re-assembled with thread lock as shown.

Tail Shaft Assembly (Box 3 / Bag 3)

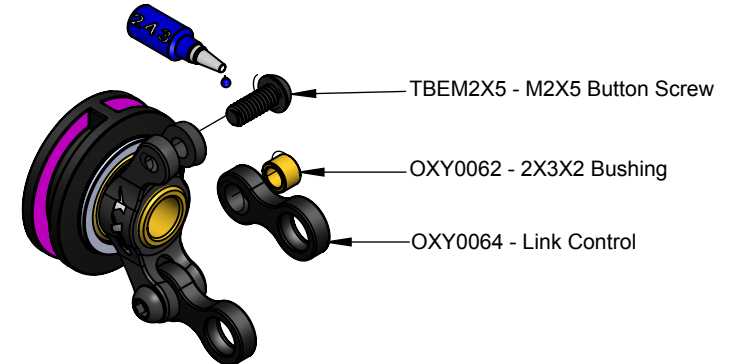


Tail Pitch Slider Assembly (Box 3 / Bag 4)



Important Note:

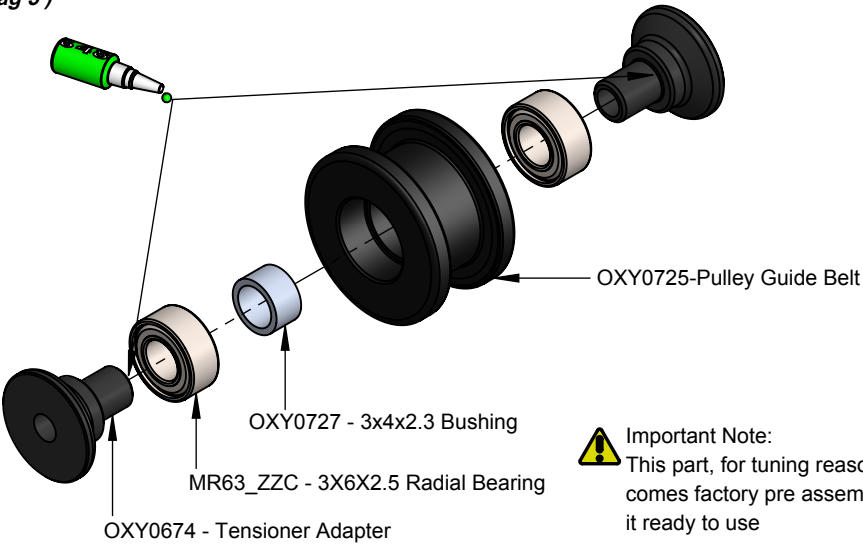
This part, for tuning reasons, comes factory pre assembled, it ready to use.



Important note:

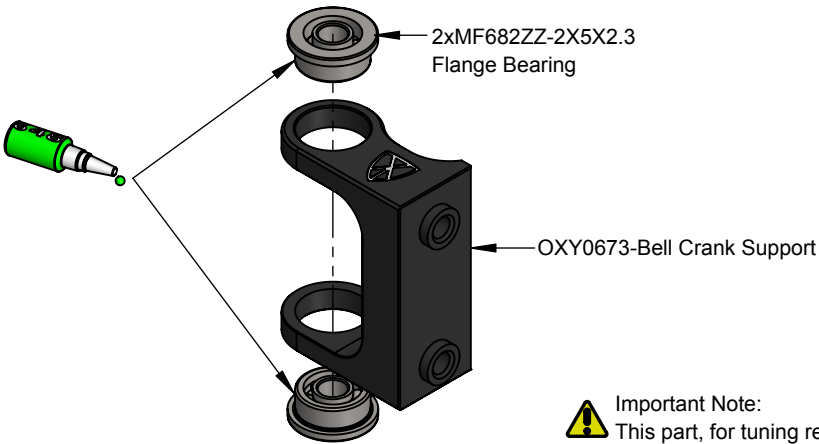
This part comes pre assembled WITHOUT thread lock. It MUST be re-assembled with thread lock as shown.

Tail Belt Tensioner Assembly
(Box 3 / Bag 5)



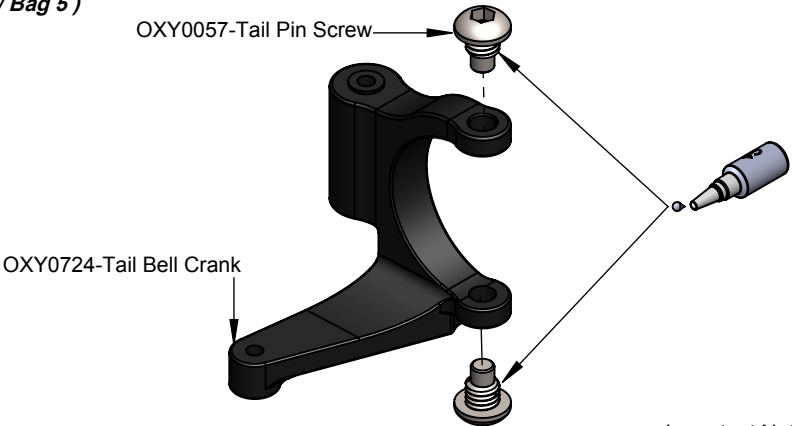
Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to use

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

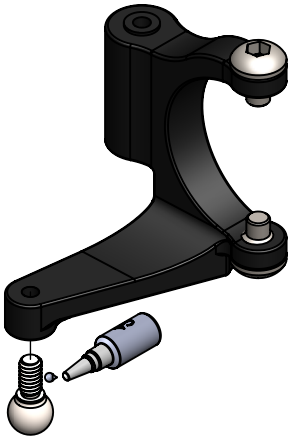


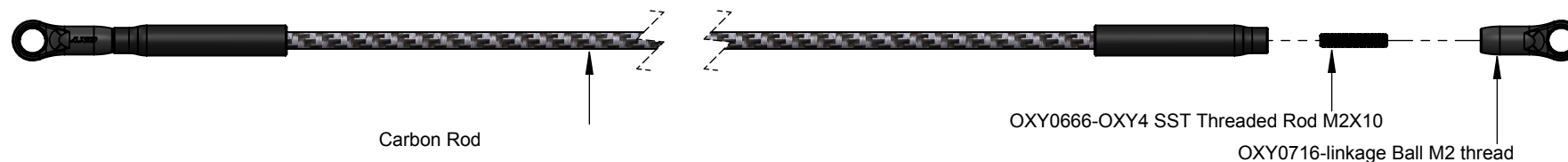
Important Note:
This part, for tuning reasons,
comes factory pre assembled,
it ready to use

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



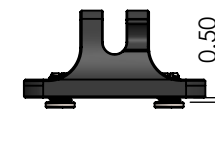
2 x OXY0539-Pin Screw

OXY0620-Guide Push Rod

Step 2:

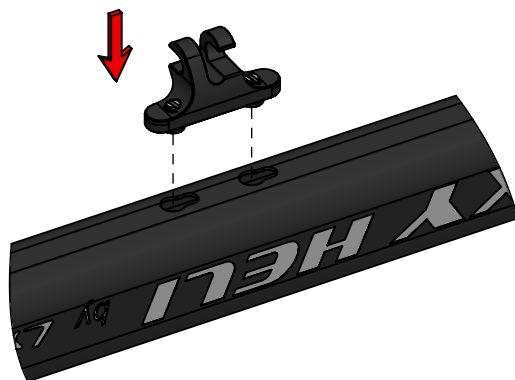


Note: Install the Pin Screw and leave a gap as shown.



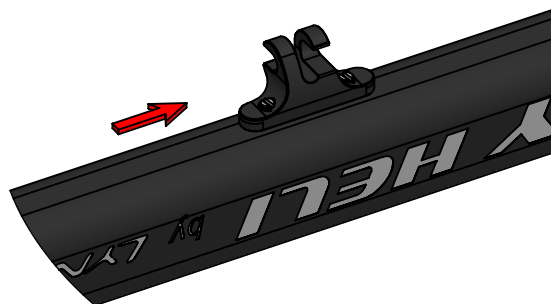
Step 3:

Push the part inside the boom sockets as shown



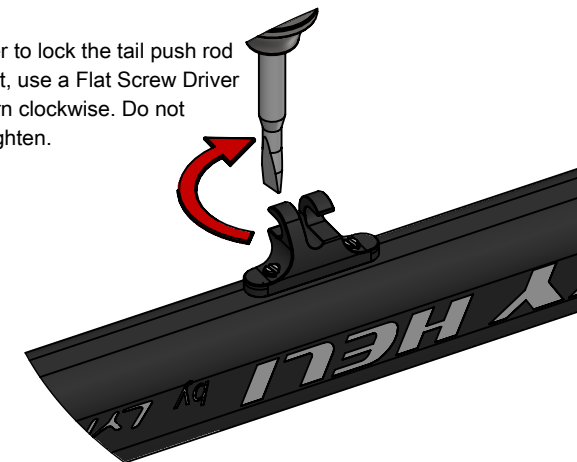
Step 4:

Slide the parts as shown

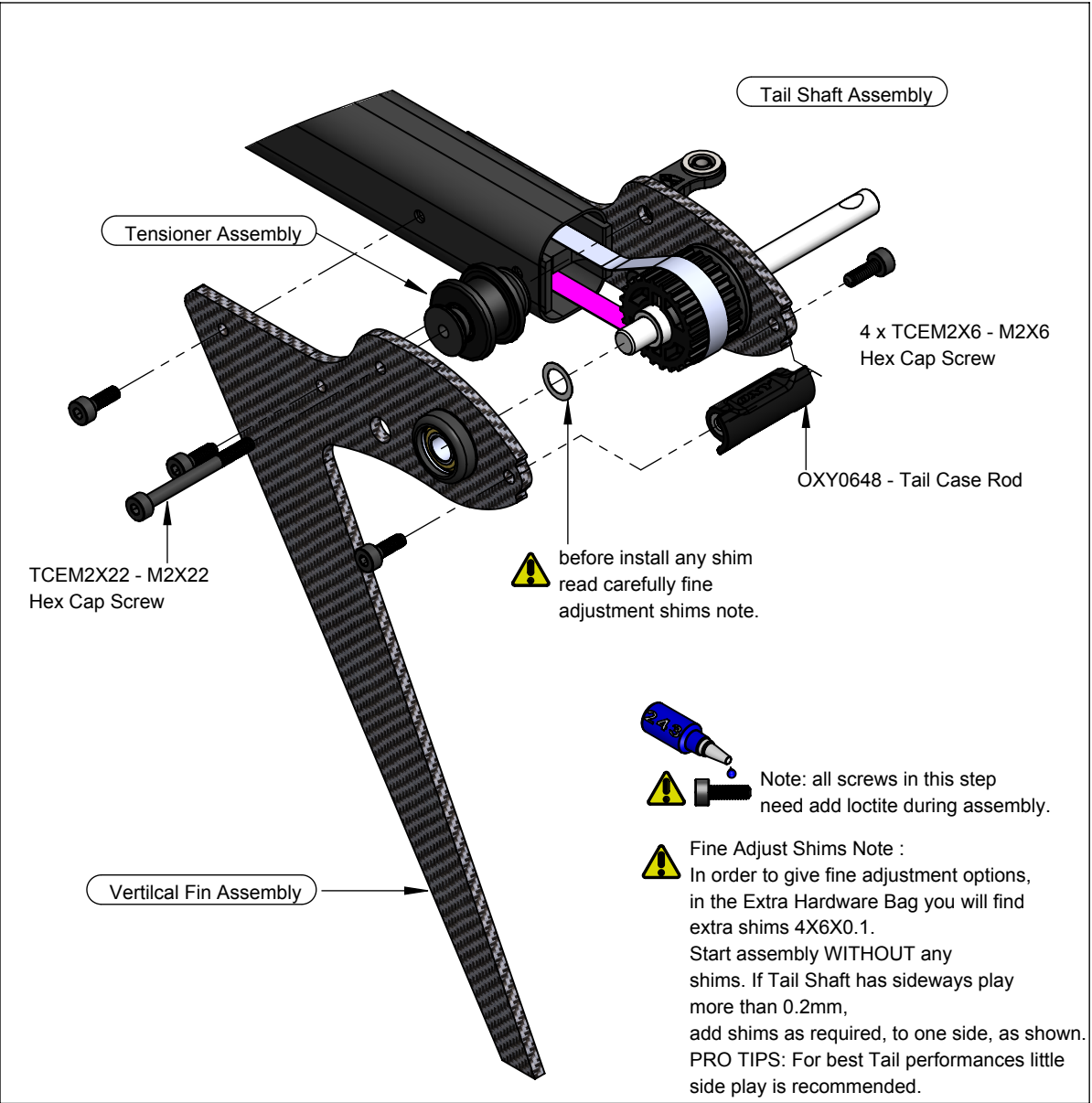
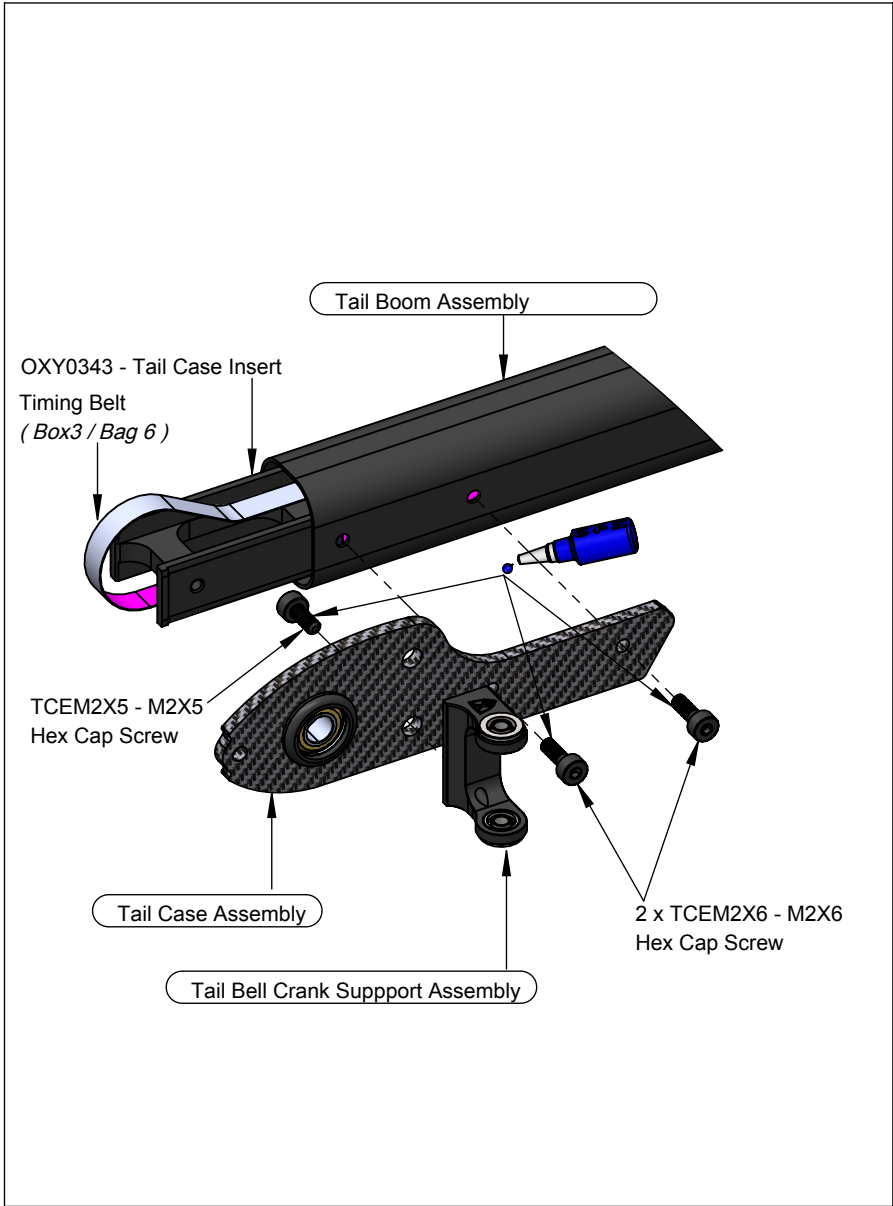


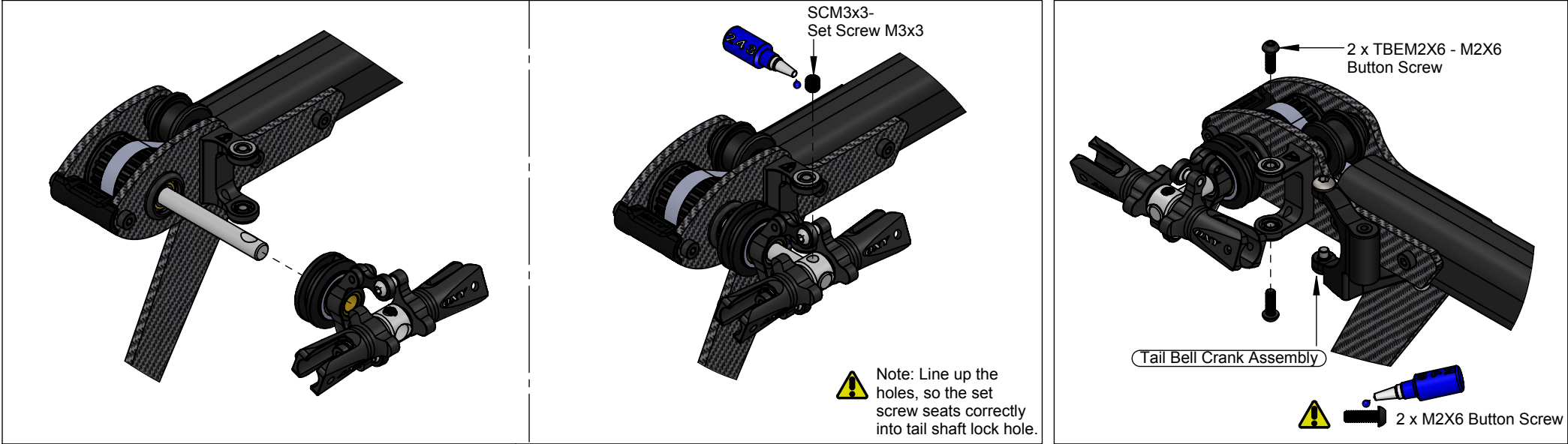
Step 5:

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



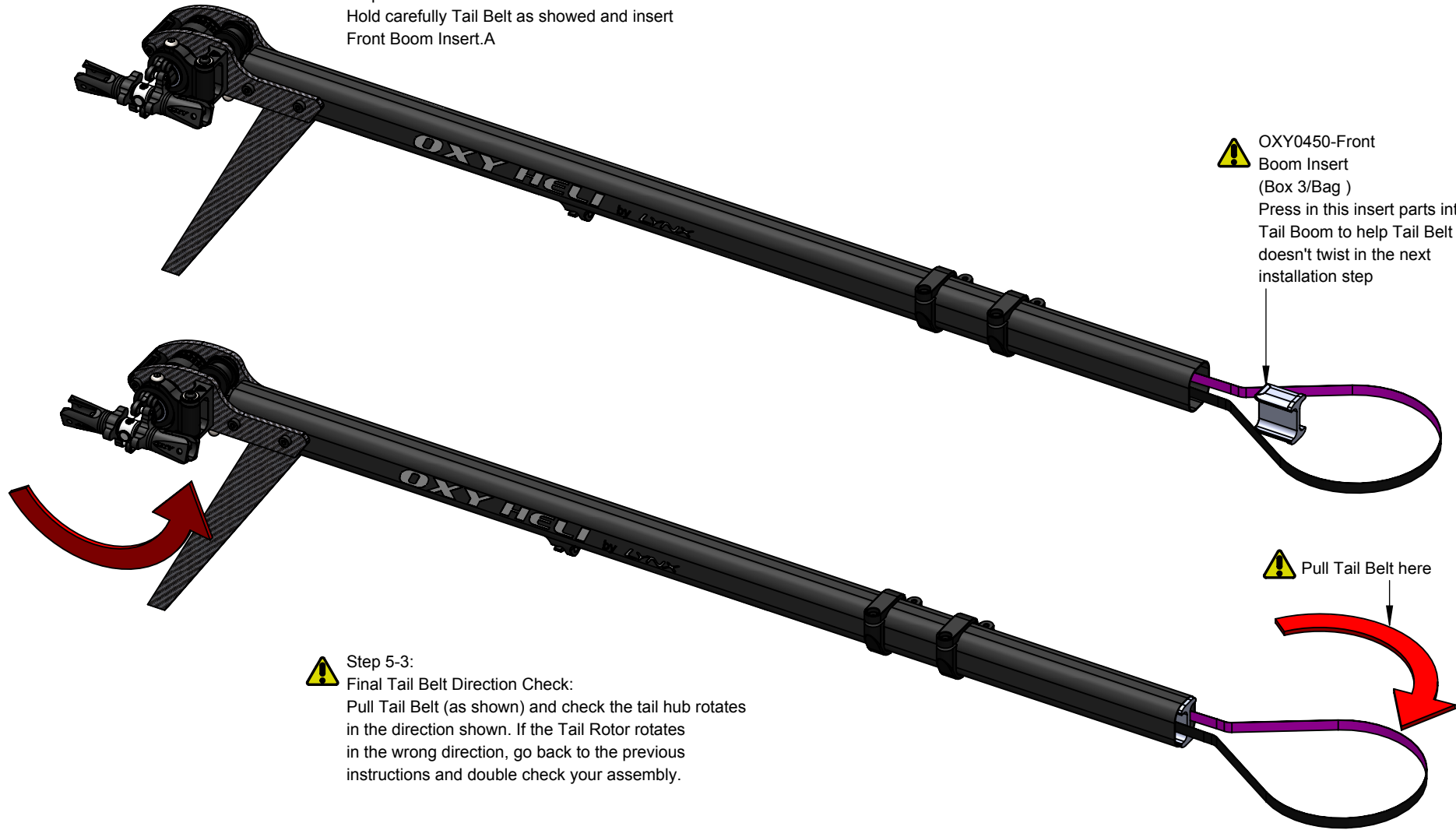
Important Note:
This part, for tuning reasons, comes factory pre assembly, it ready to use





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

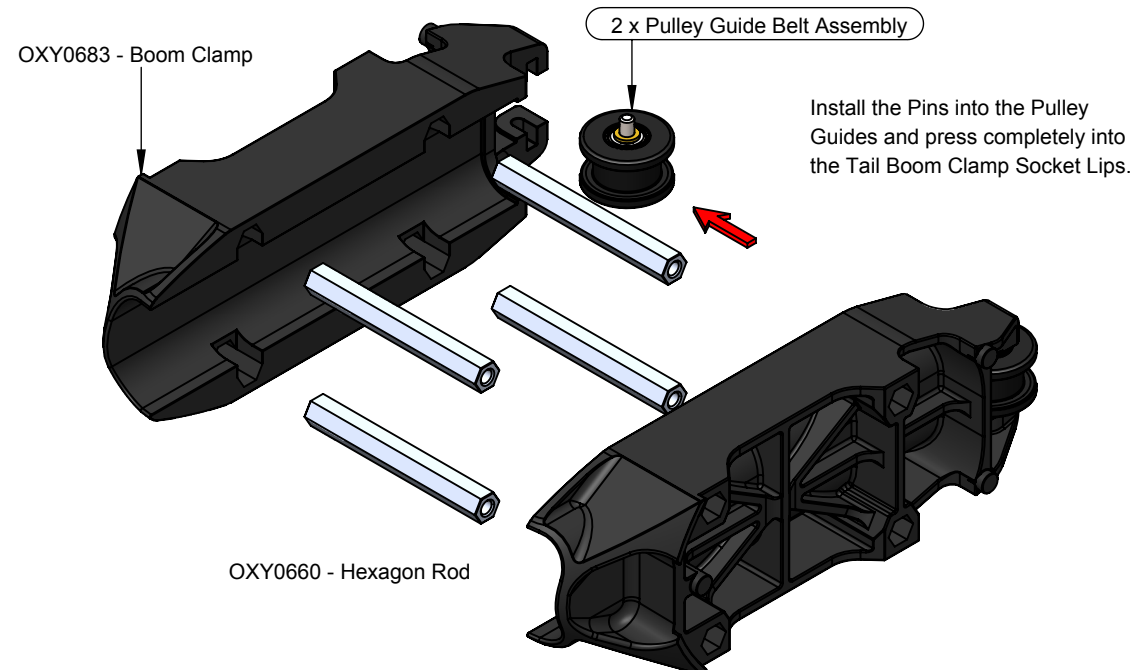
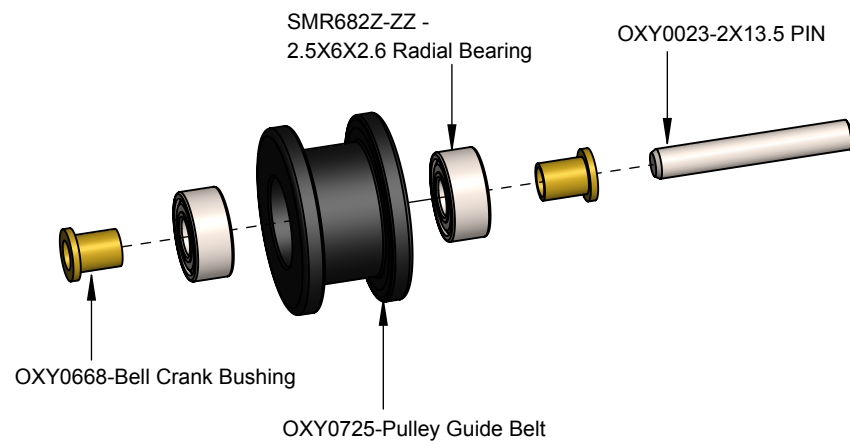


 Step 5-3:
Final Tail Belt Direction Check:
Pull Tail Belt (as shown) and check the tail hub rotates
in the direction shown. If the Tail Rotor rotates
in the wrong direction, go back to the previous
instructions and double check your assembly.

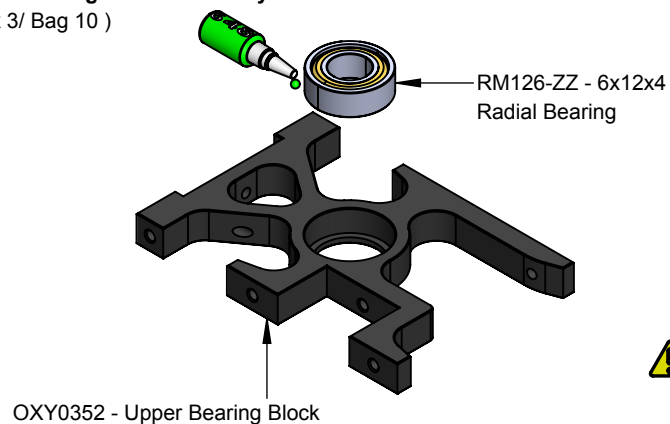
 Pull Tail Belt here

Boom Clamp Assembly

(Box 3/ Bag 9)

**Upper Bearing Block Assembly**

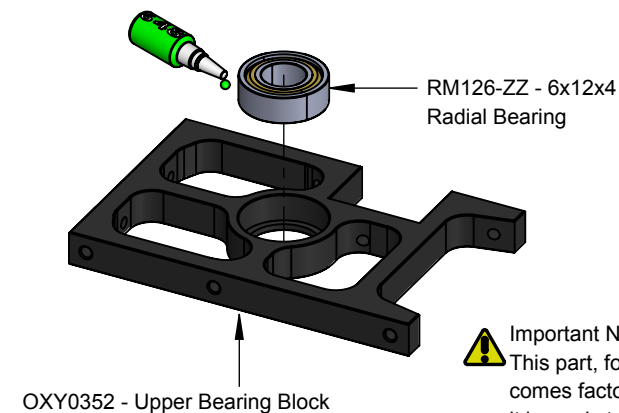
(Box 3/ Bag 10)



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

Middle Bearing Block Assembly

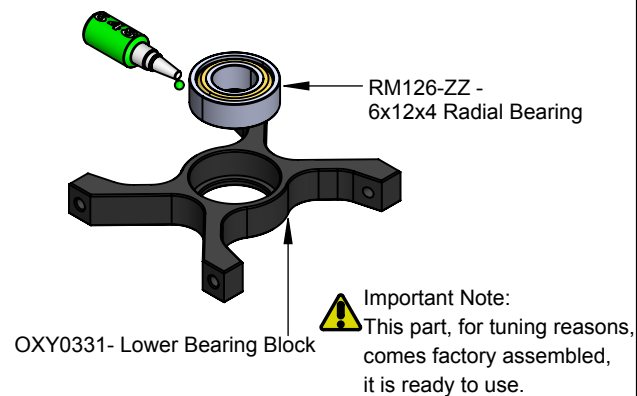
(Box 3/ Bag 11)



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

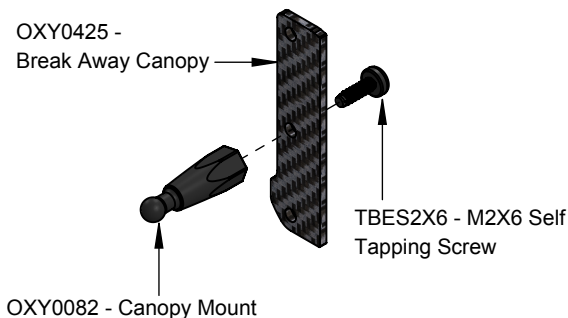
Lower Bearing Block Assembly

(Box 3/ Bag 12)



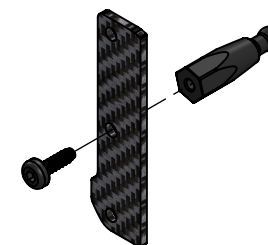
Break Away Canopy Assembly

(Box 3/ Bag 13)



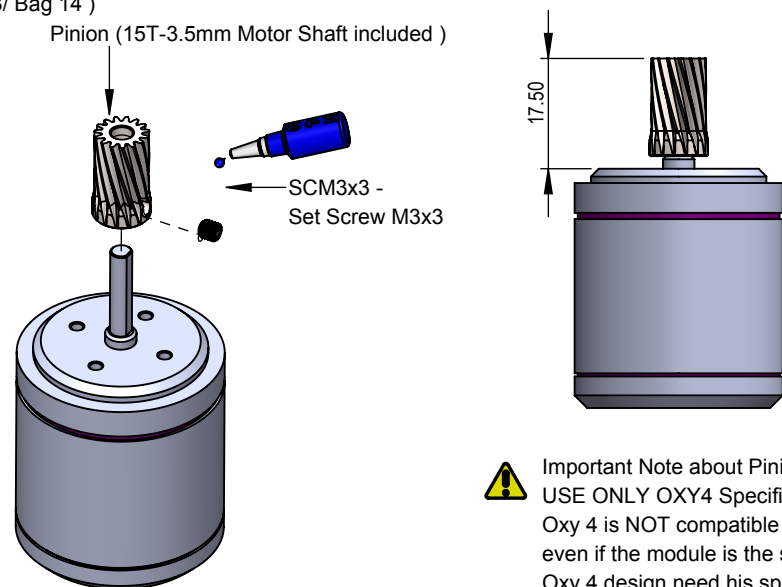
Left

Right

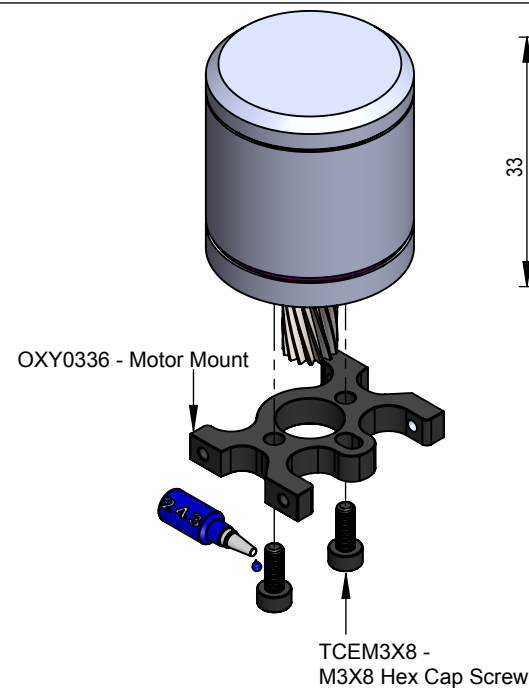


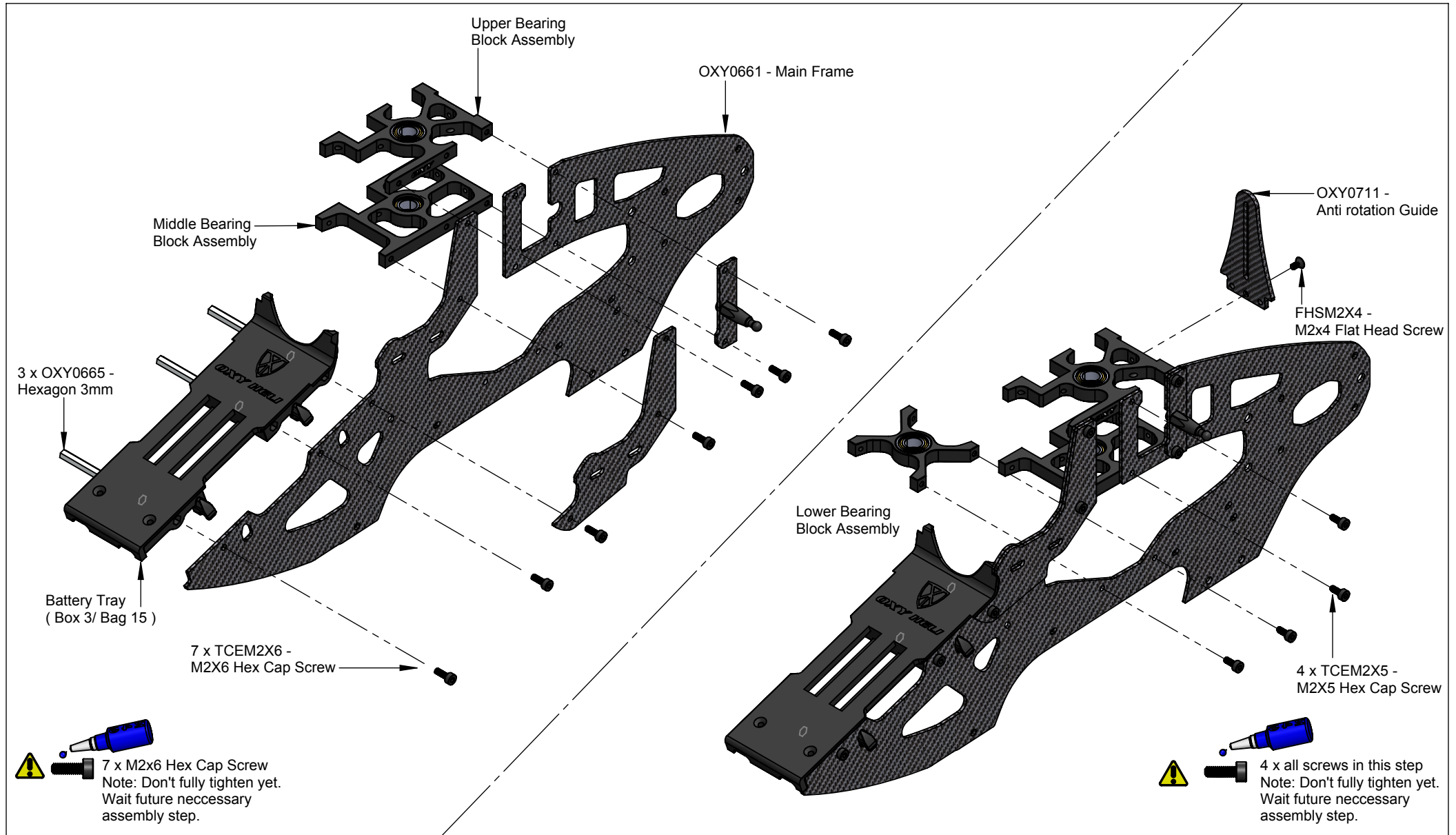
Motor Assembly

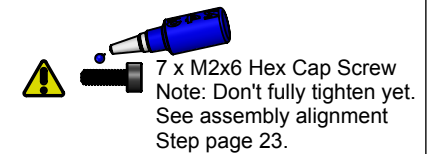
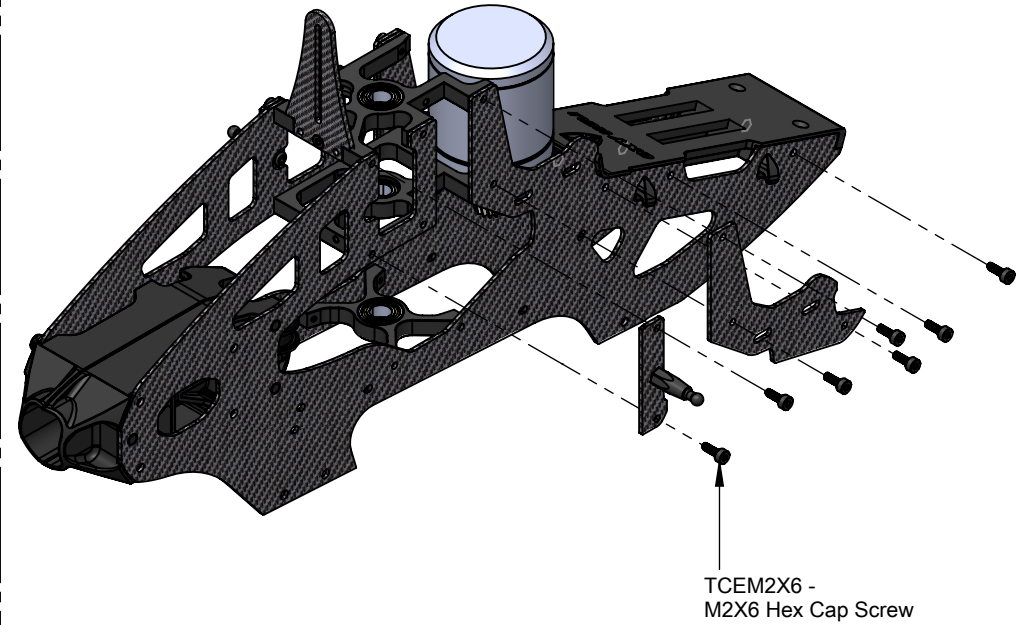
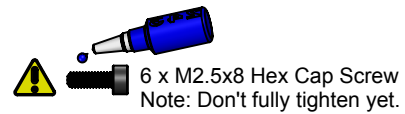
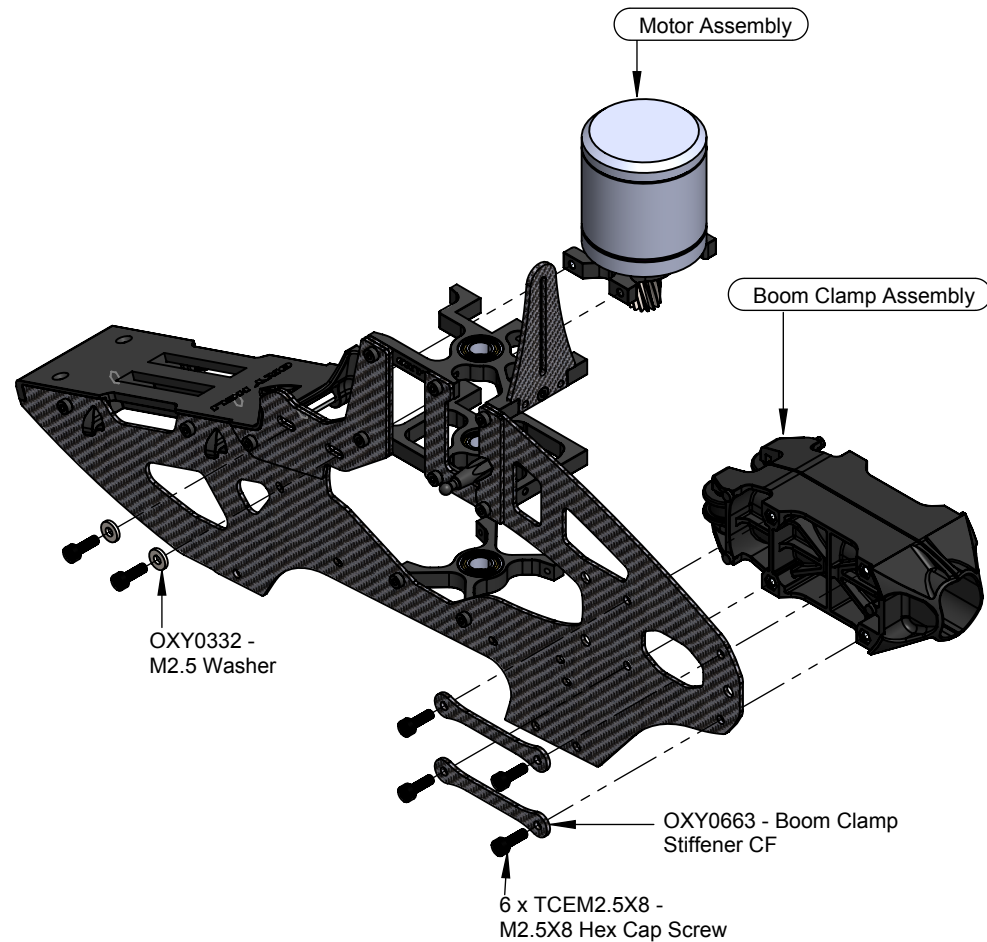
(Box 3/ Bag 14)

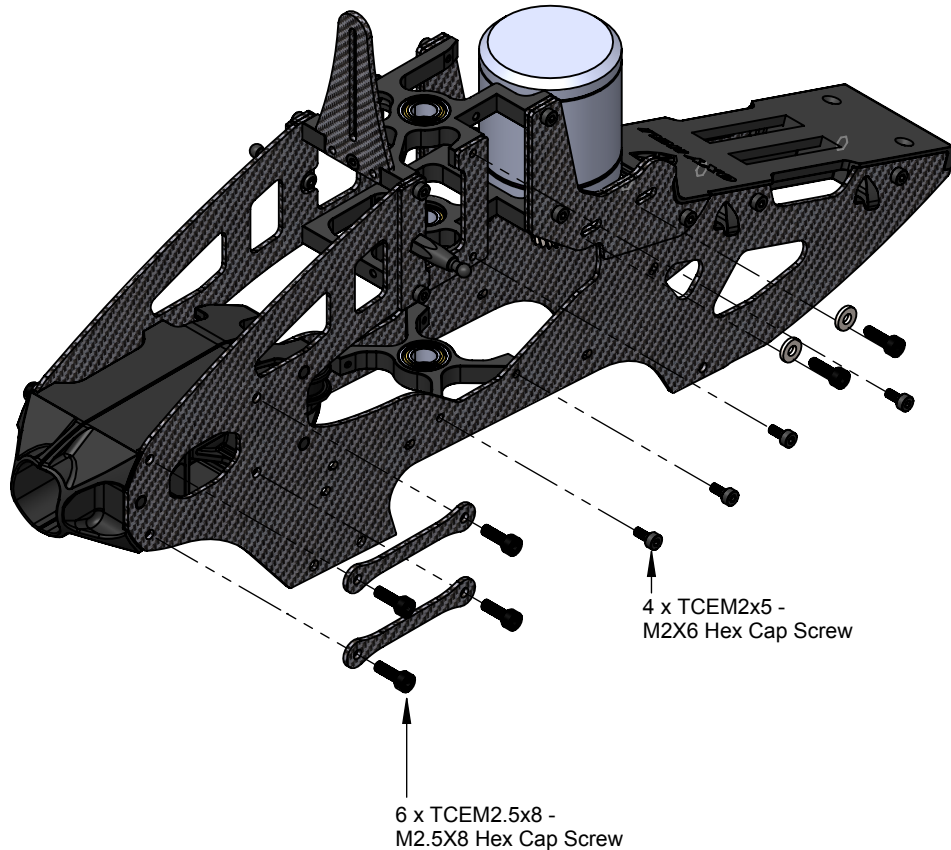


Important Note about Pinions:
USE ONLY OXY4 Specific Pinions.
Oxy 4 is NOT compatible with OXY 3 Pinion, even if the module is the same, 0.5mm.
Oxy 4 design need his specific pinions.
Using OXY 3 pinion in the OXY 4 Main Gear will seriously damaged.





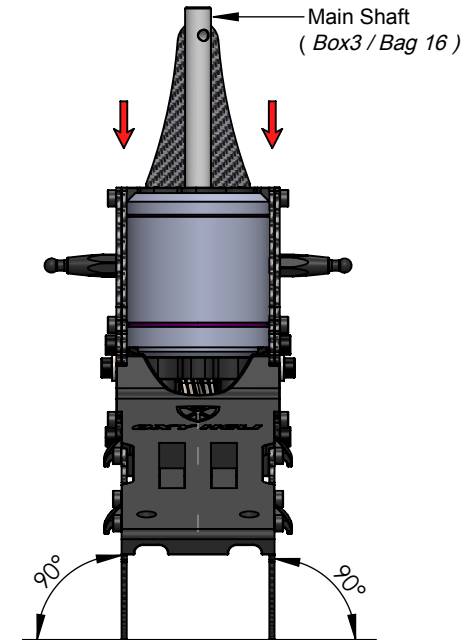




All Screw in this step
Note: Don't fully tighten yet.
See assembly alignment
Step page 16.

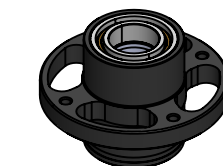
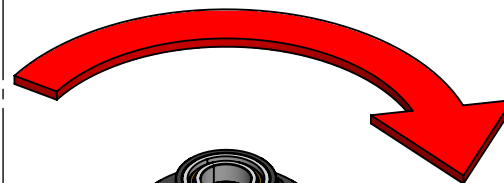
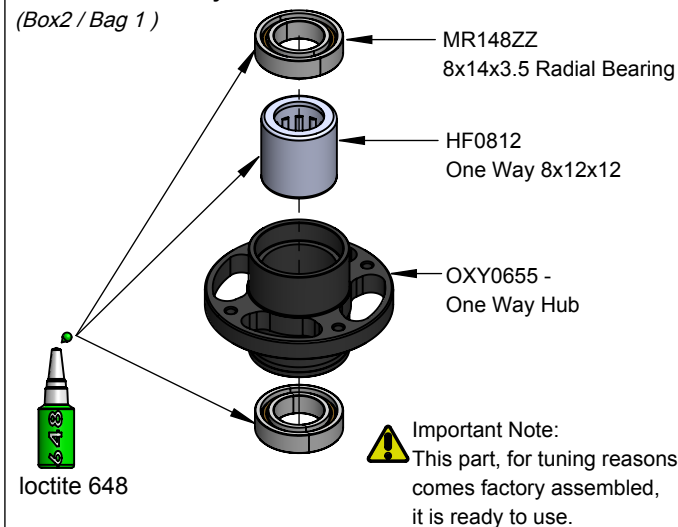


Install main shaft with frame assembly
on a flat surface, push down on both frames
together and then fully tighten all M2 Hex Cap
Screws (x22) holding the bearing blocks.

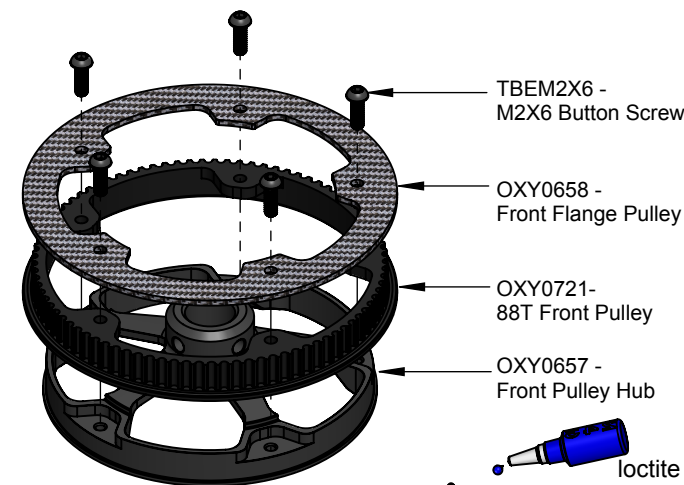


Main Gear Assembly

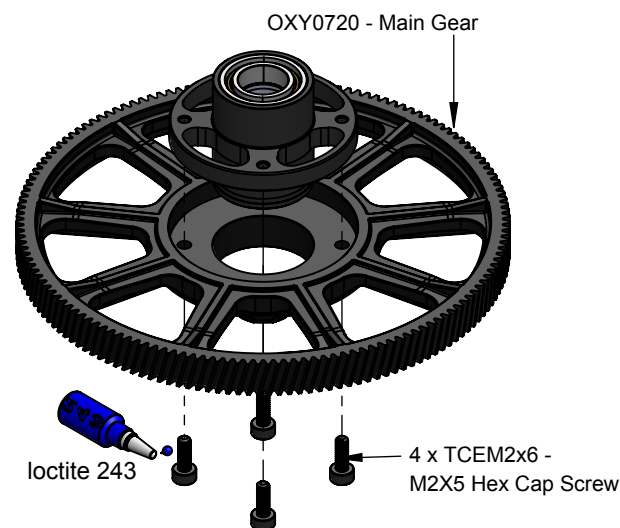
(Box2 / Bag 1)



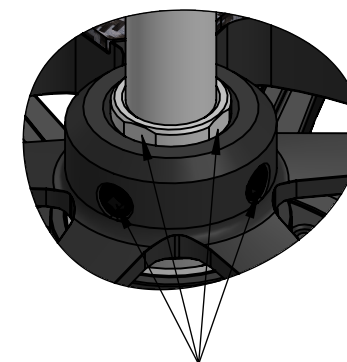
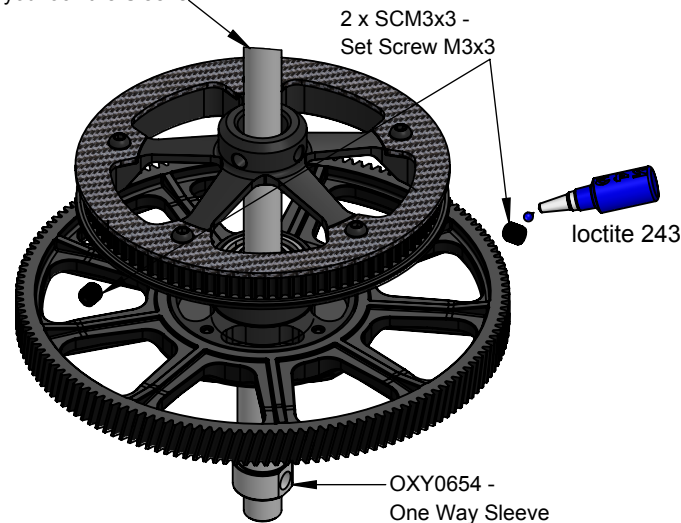
! the Sleeve is free
rotate as arrow hown



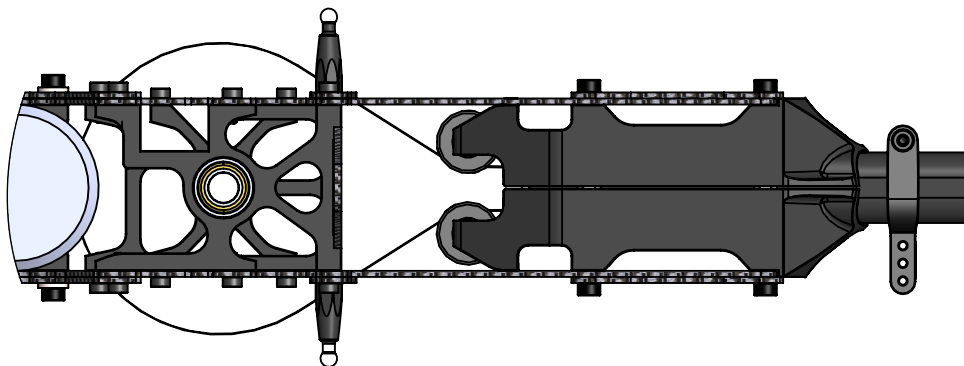
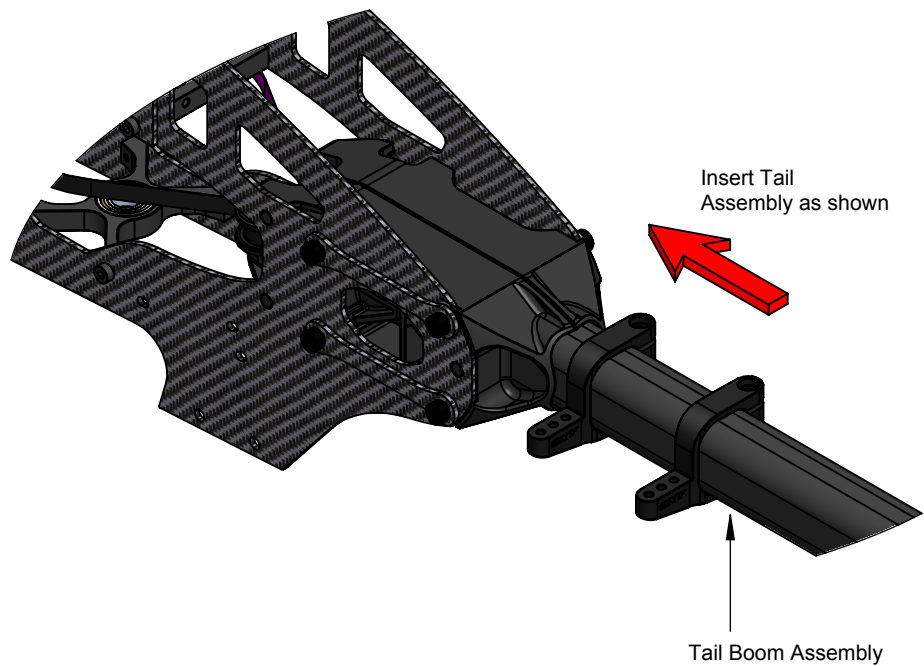
! 5 x TBEM2X6 -
M2X6 Button Screw

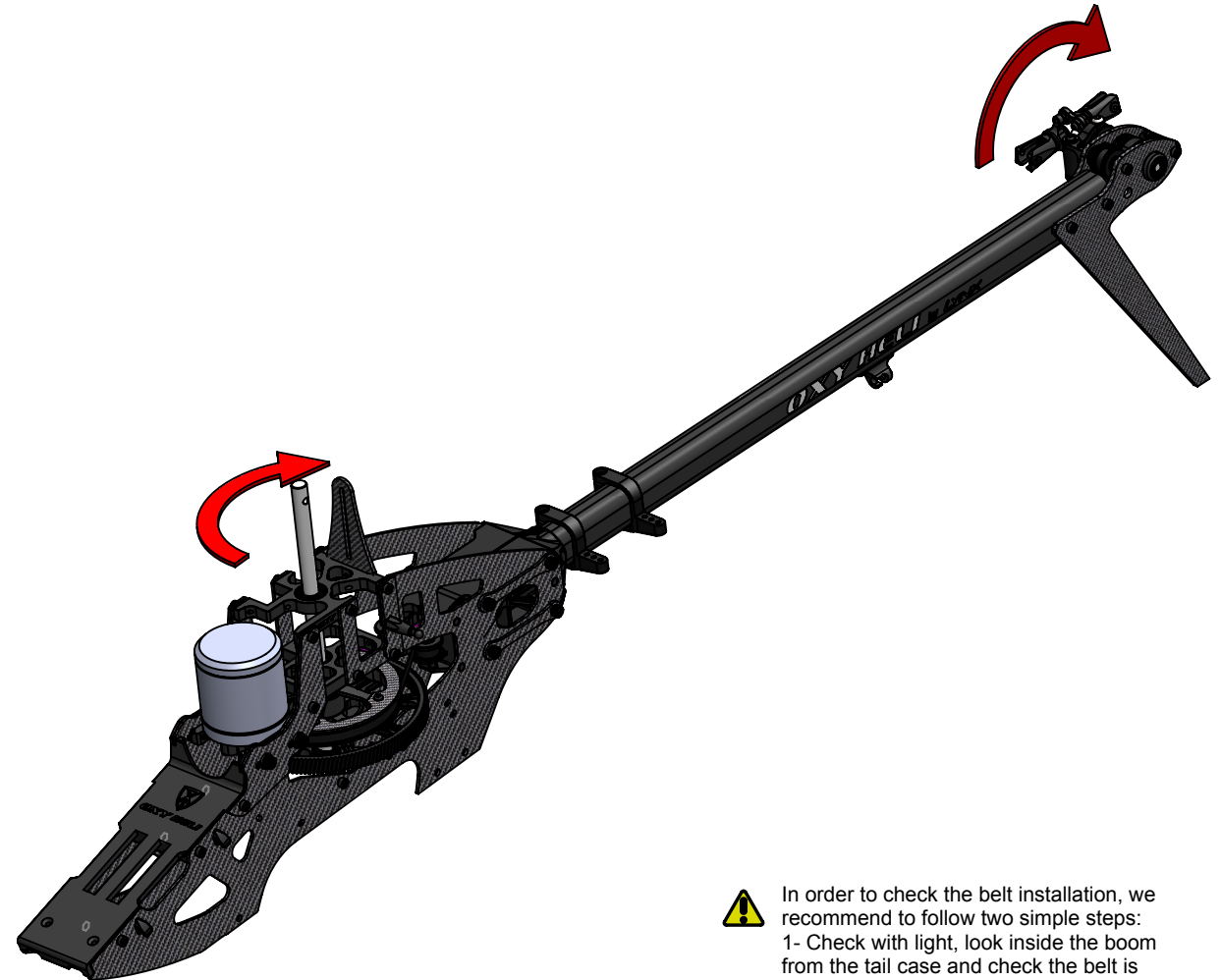
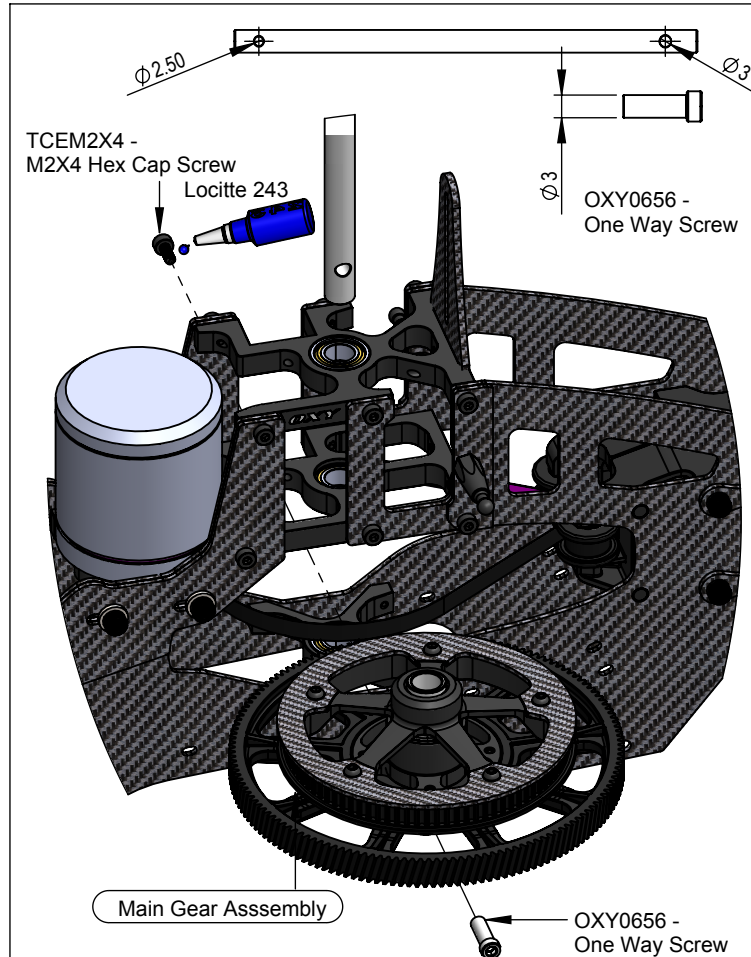


Insert the Main Shaft
before you lock the Sleeve



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

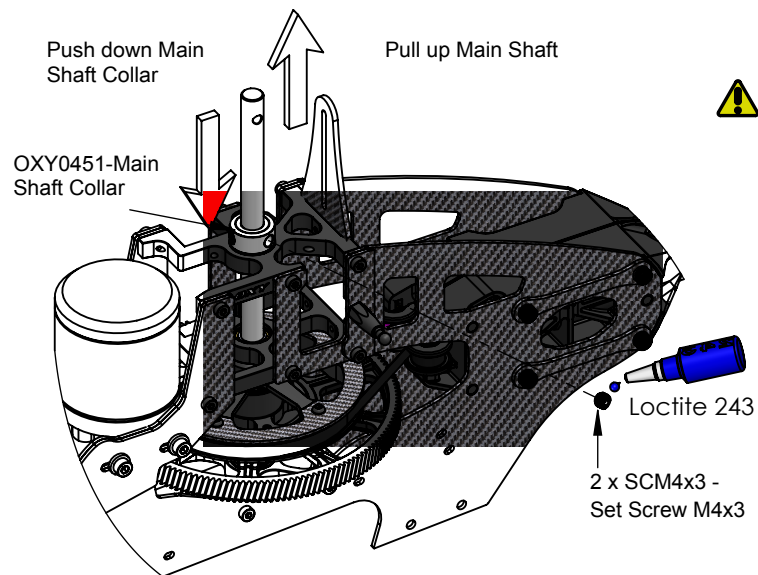




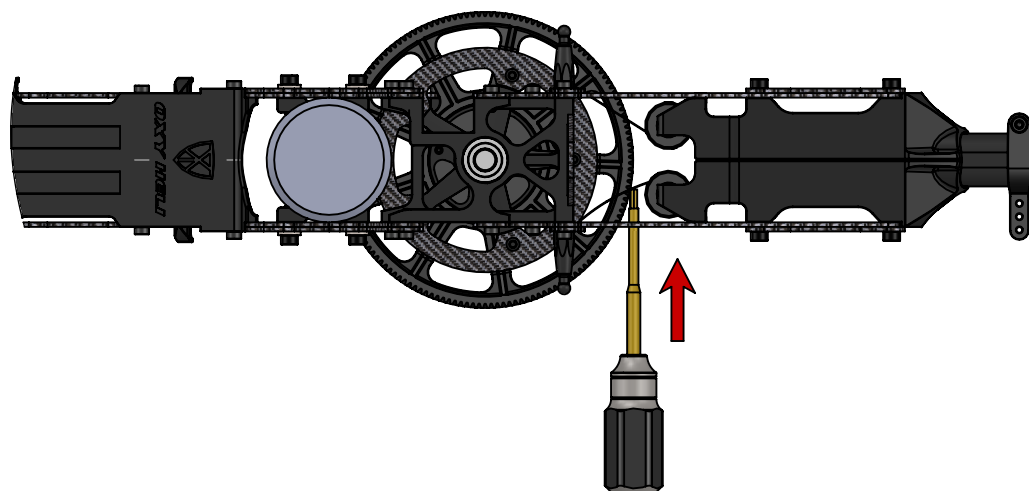
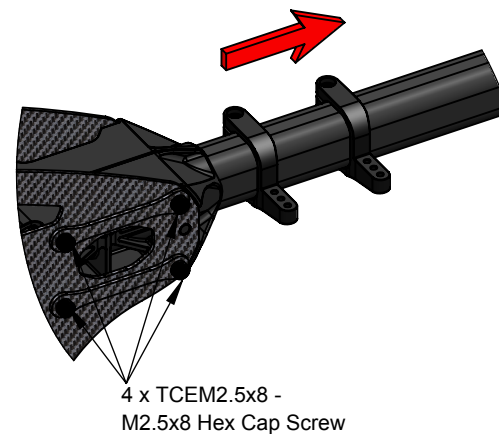
In order to check the belt installation, we recommend to follow two simple steps:

1- Check with light, look inside the boom from the tail case and check the belt is only twisted 90 degrees.

2- Rotate the main gear in the flight direction (as shown) and check the tail hub rotates in the direction shown. If the Tail Rotor rotates in the wrong direction, go back to previous instructions and double check your assembly.



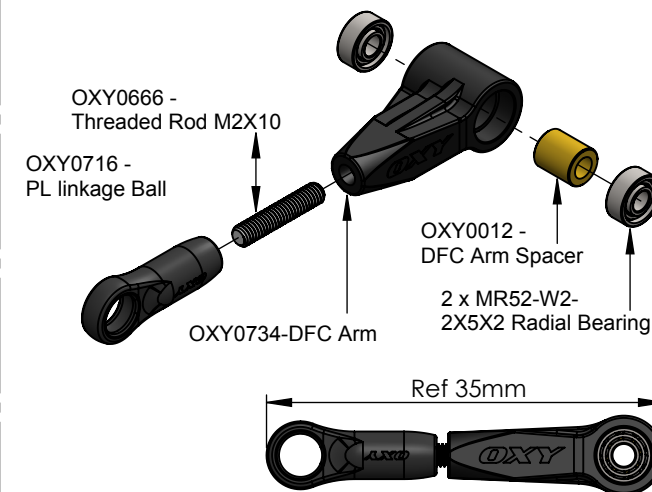
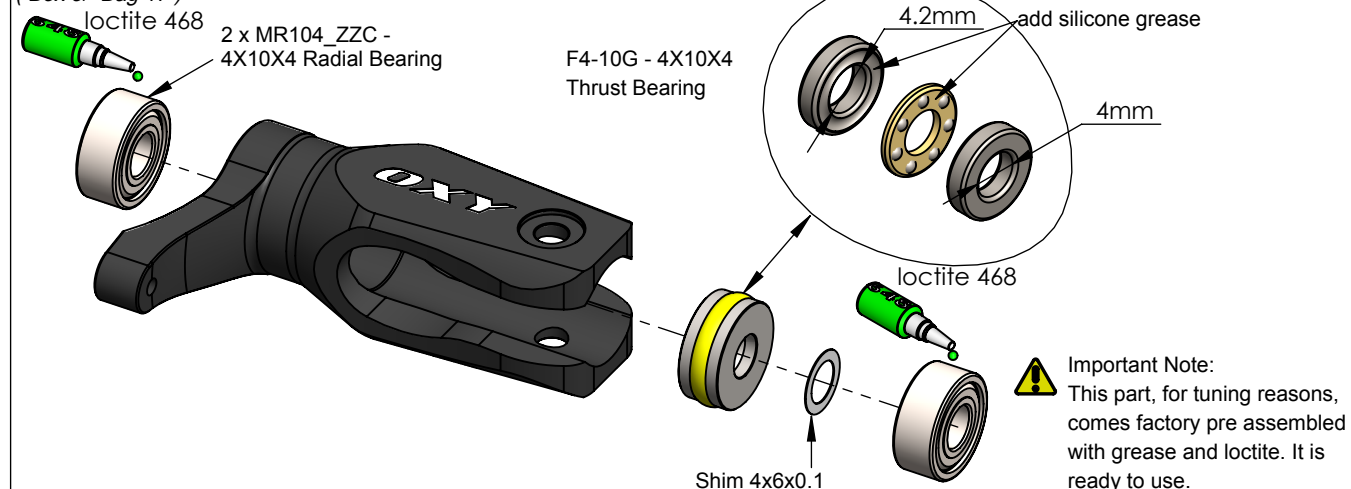
- Be sure the boom is assembled and installed correctly.
- Loosen the tail boom by loosening the eight M2.5x8 Hex Cap Screws.
- Adjust the Belt tension by pulling on the Tail Boom.
- Tighten the eight M2.5x8 Hex Cap Screws.
- The belt must have good tension. We suggest re-checking after a few flights.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

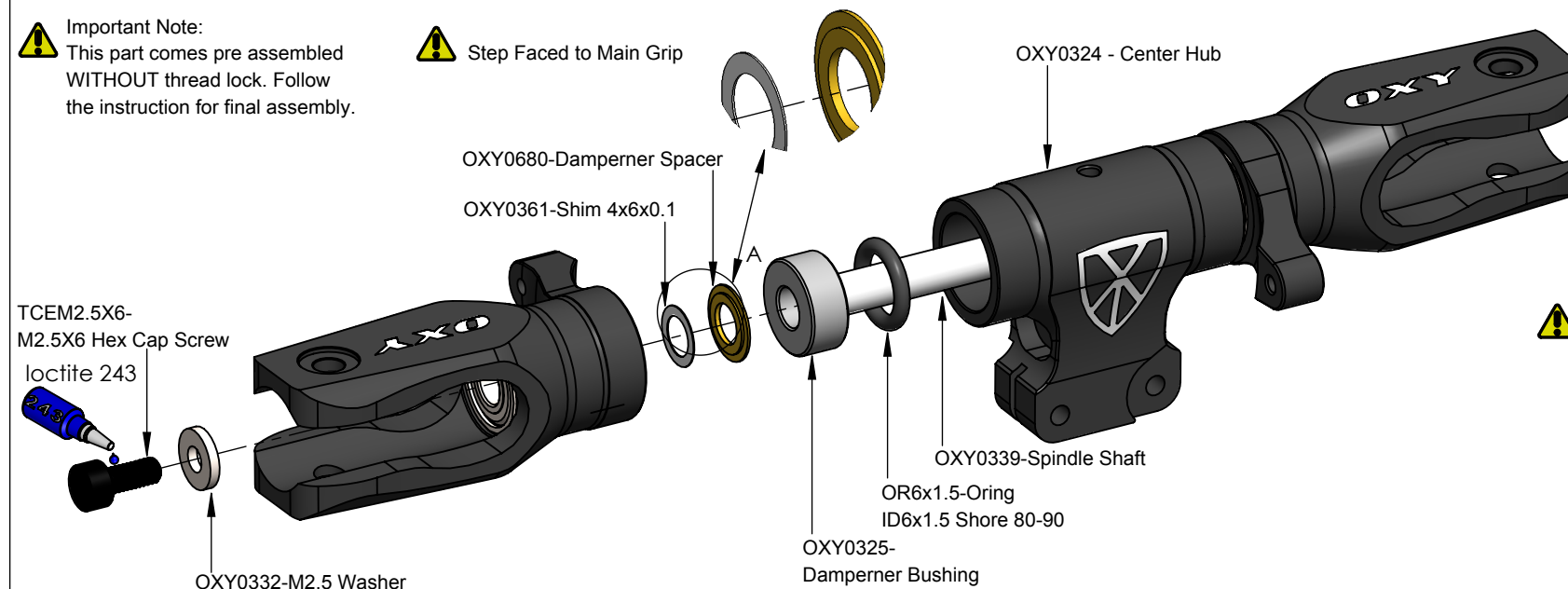
Main Rotor Assembly

(Box 3/ Bag 17)

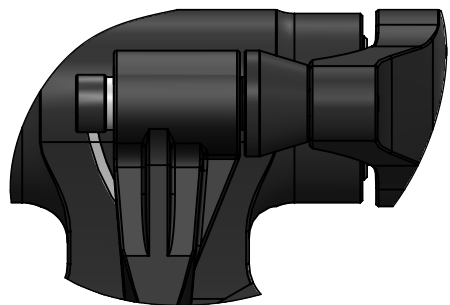
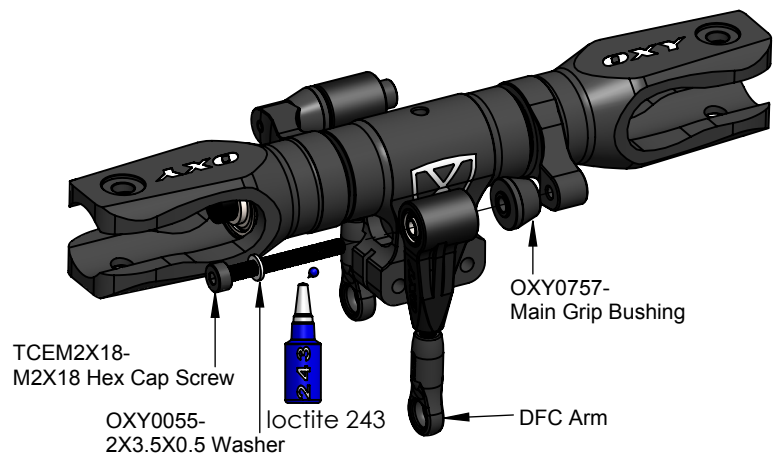


Important Note: This part comes pre assembled WITHOUT thread lock. Follow the instruction for final assembly.

Step Faced to Main Grip

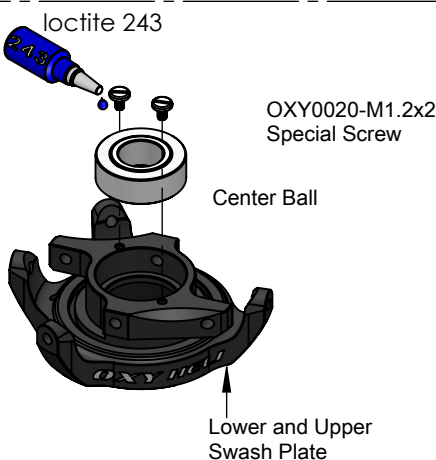


Fine Adjust Shims: In order to give fine adjustment options, the extra Hardware Bag contains extra Shims 4x6x0.1. Start assembly with one (each side) pre installed shim. If the Main Grips have sideways play, add shims as required. Each Grips must have the same number of shims. If you add one shim on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

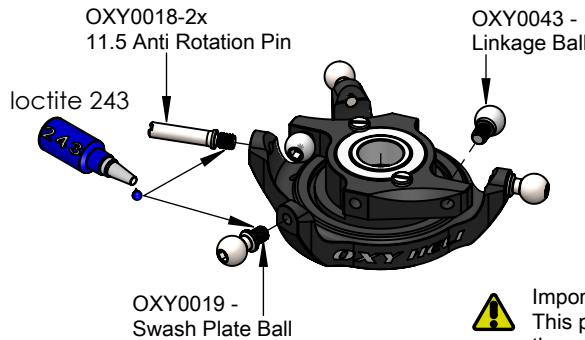


- Important Note:**
This part comes pre assembled **WITHOUT** thread lock. Follow the instruction for final assembly
- !** Once you finish assembly, ensure the DFC Arms can rotate without friction. If the DFC Arms are assembled correctly, rotation should be smooth and without friction. In case of any friction, recheck each component and re-assembly as necessary.

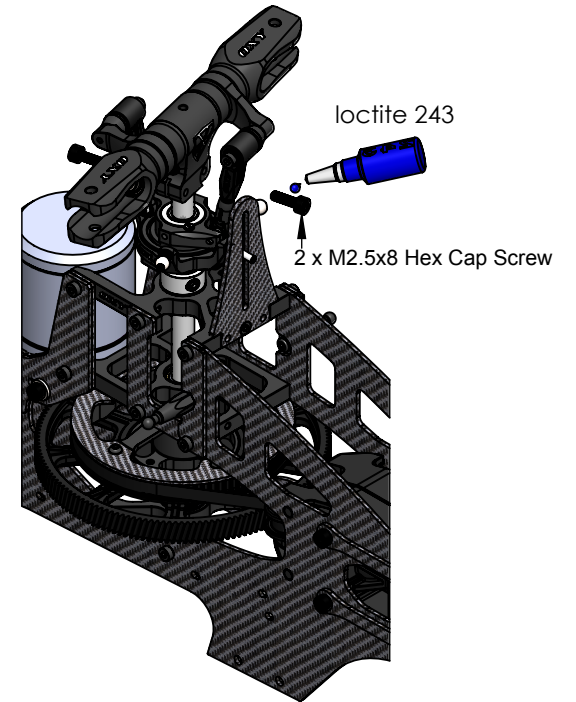
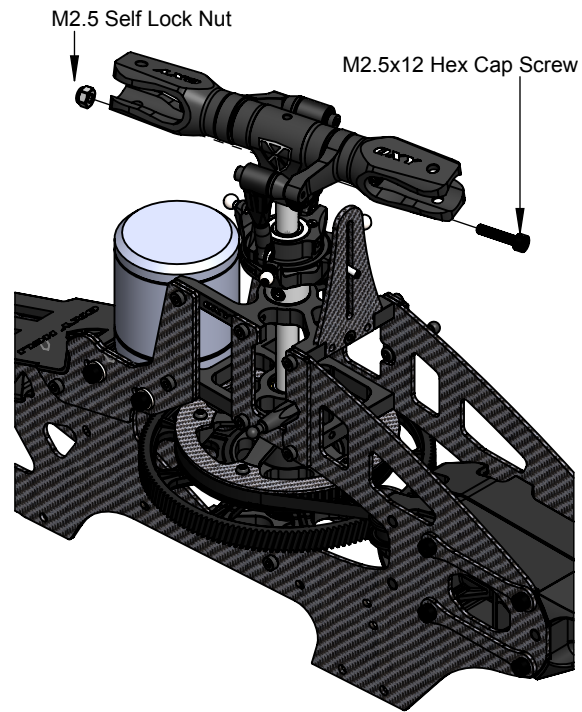
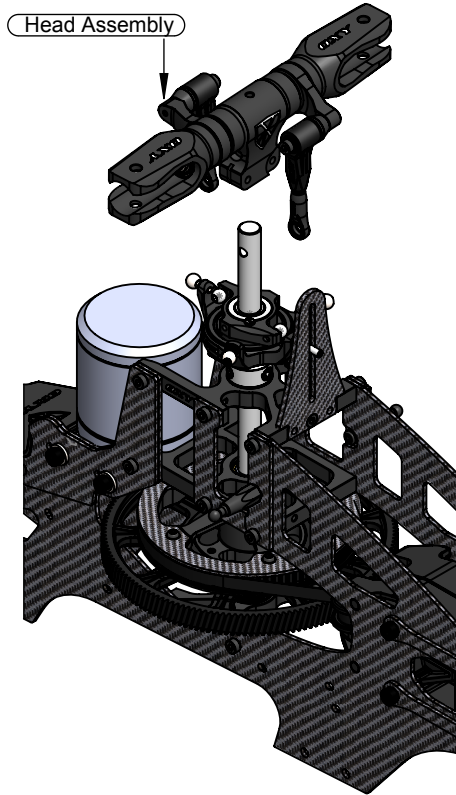
Swash Plate Assembly
(Box 3/ Bag 18)



- !** 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.

Linkage Ball Position

OXY0085 - Servo Arm (Box 3/ Bag 19)

After Cut

OXY0716 - PL linkage Ball

OXY0667 - Pitch Rod

10.25mm

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.

Front Cyclic Servo

OXY0085 - Servo Arm

OXY0092 - Linkage Ball

OXY0108 - M2 Hex Nut

loctite 243

Left Cyclic Servo

OXY0085 - Servo Arm

OXY0092 - Linkage Ball

OXY0108 - M2 Hex Nut

loctite 243

Right Cyclic Servo

OXY0085 - Servo Arm

OXY0092 - Linkage Ball

OXY0108 - M2 Hex Nut

loctite 243

Tail Servo

OXY0085 - Servo Arm

OXY0092 - Linkage Ball

OXY0108 - M2 Hex Nut

loctite 243

Optional Tail Servo

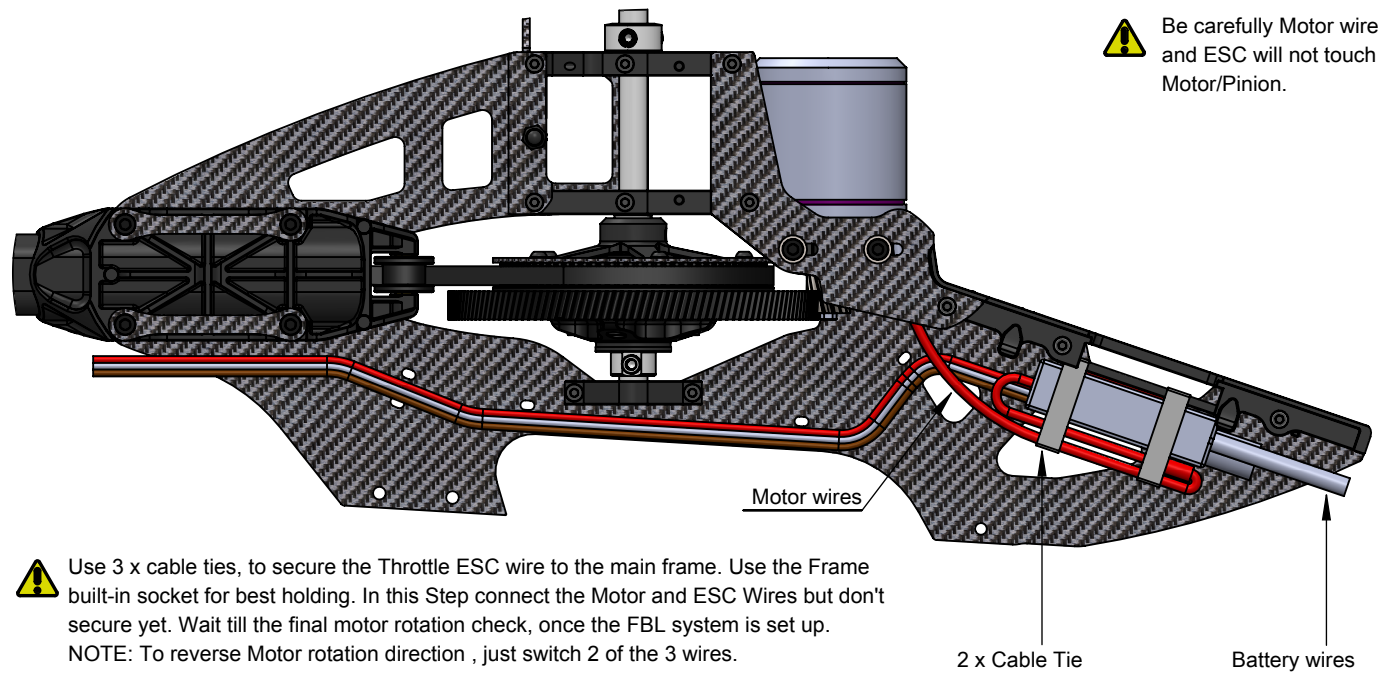
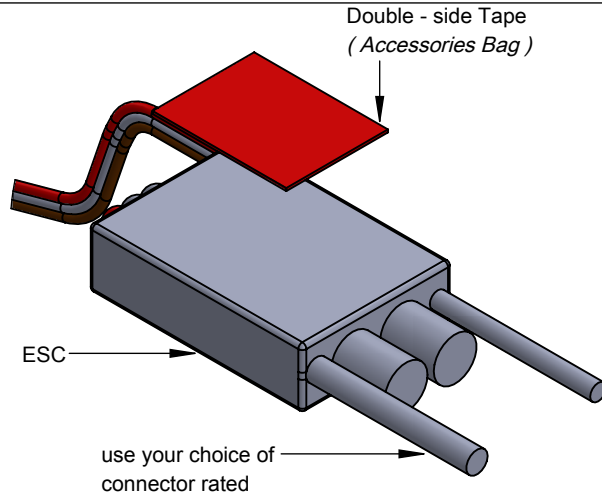
Mini servo spacer

OXY0736 - CF Tail Servo Stiffener

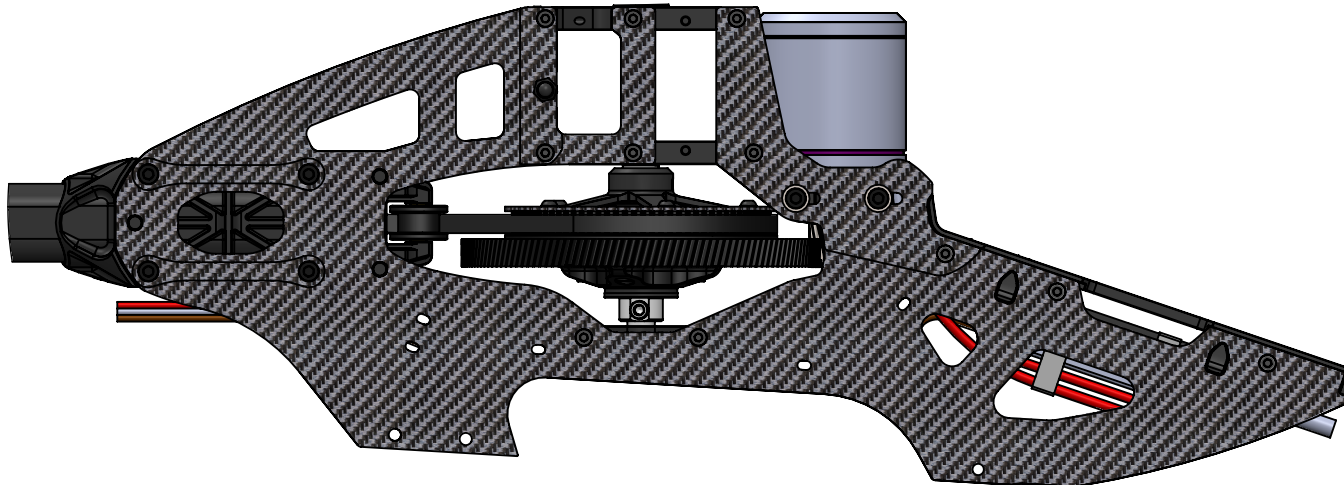
Max 15mm

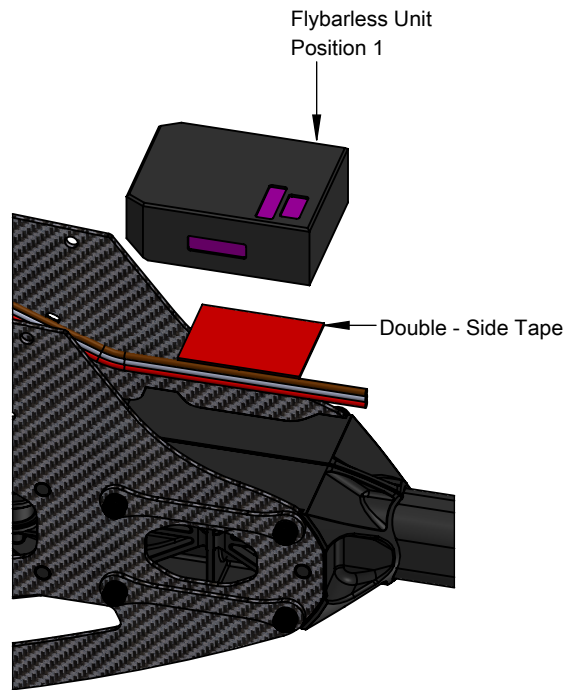
4 x M2x8 Self Tapping Screw

CA Glue

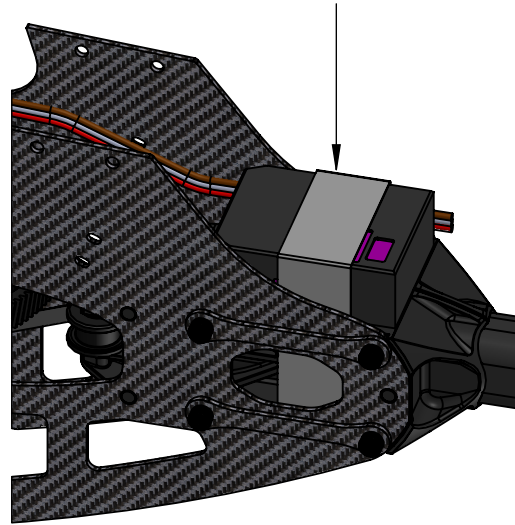


⚠ Use 3 x cable ties, to secure the Throttle ESC wire to the main frame. Use the Frame built-in socket for best holding. In this Step connect the Motor and ESC Wires but don't secure yet. Wait till the final motor rotation check, once the FBL system is set up.
NOTE: To reverse Motor rotation direction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

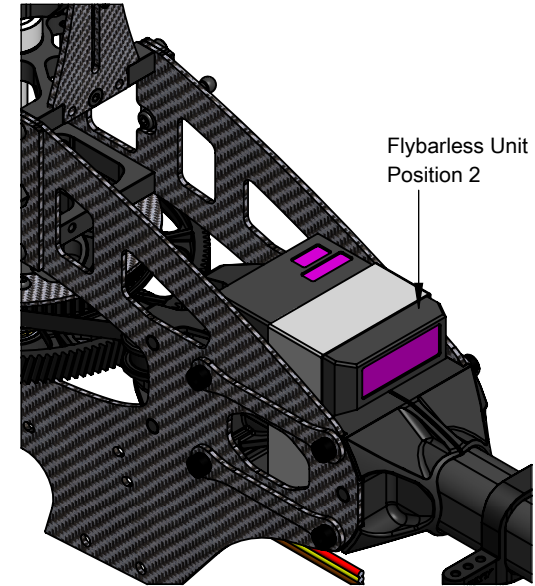


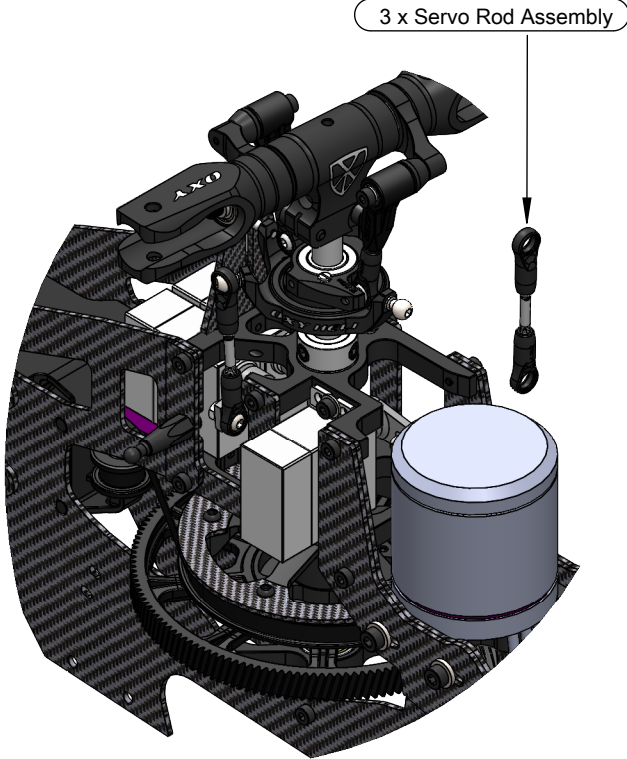
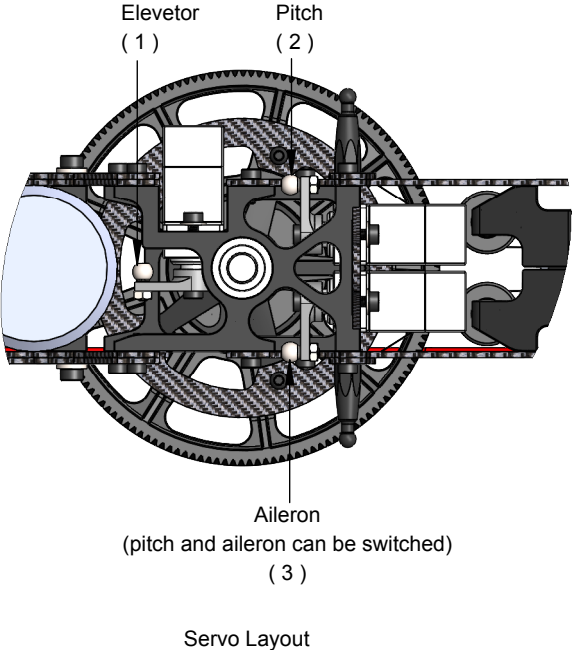
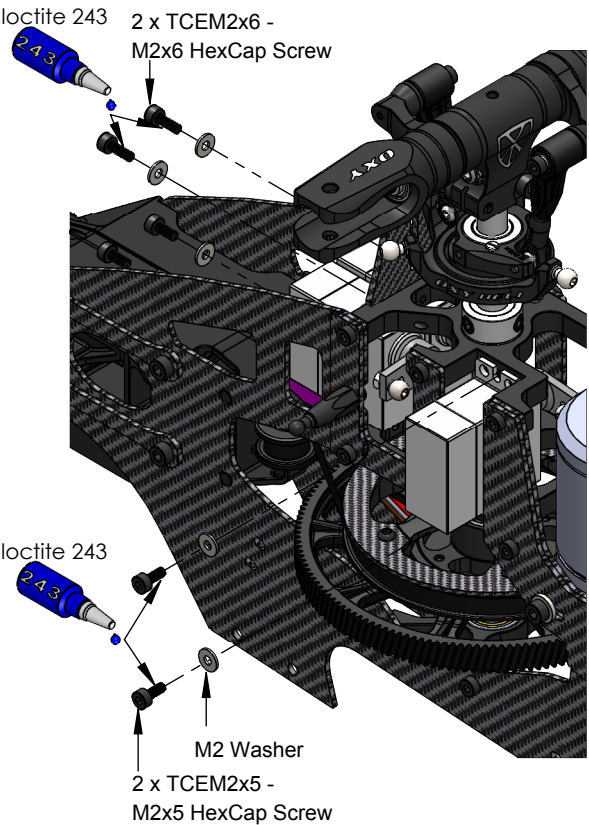


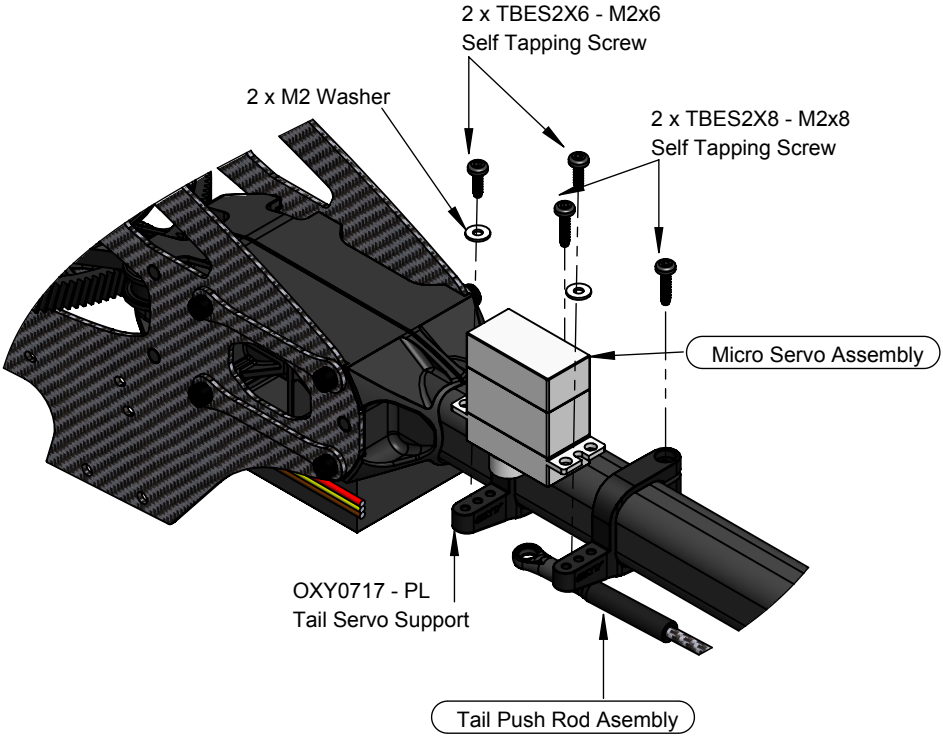
For extra FBL support we suggest to add Electronic Hook and Loop as shown.



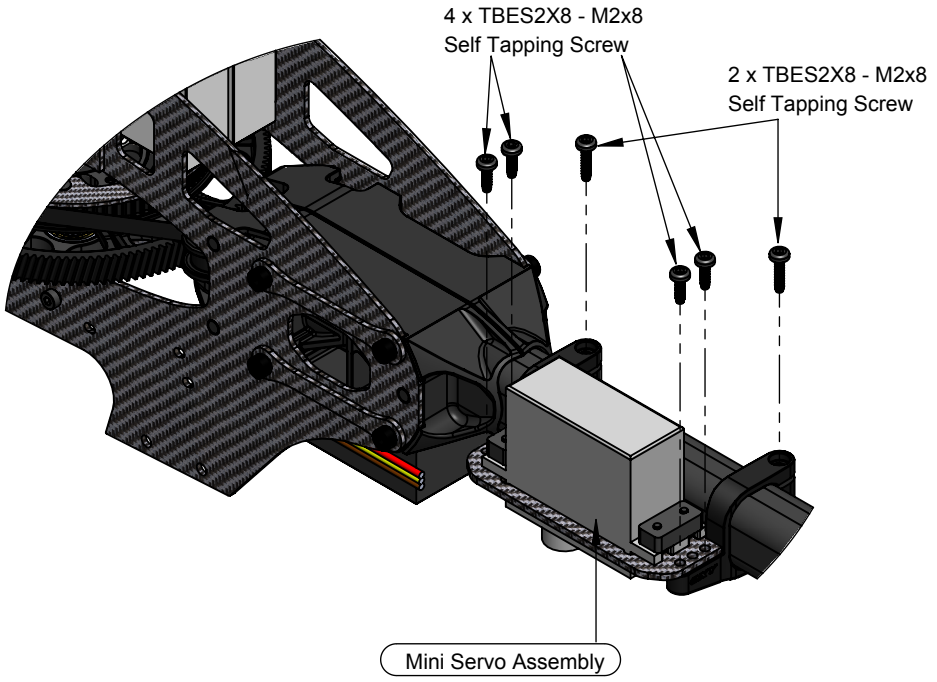
 The FBL system can be installed at the bottom or top of the boom clamp. We suggest to use the bottom for easy wiring and servo removal.



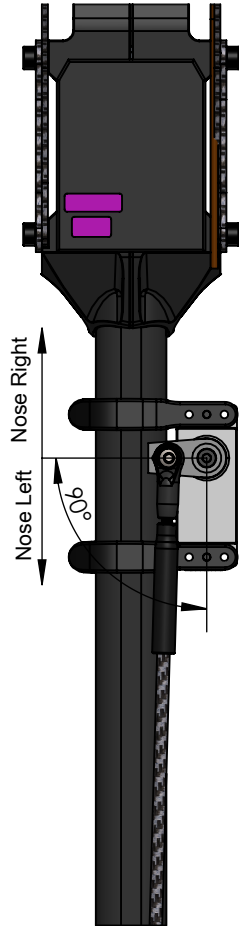




Optional Tail Servo Installation



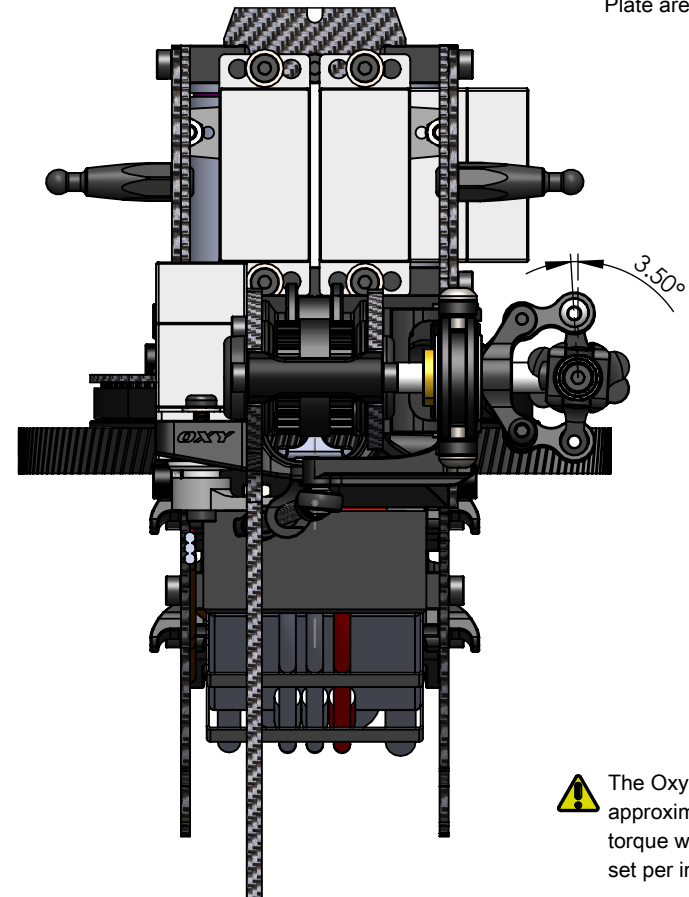
⚠ Arm position with centered Rudder stick.



Leveler
(Accessories Bag)

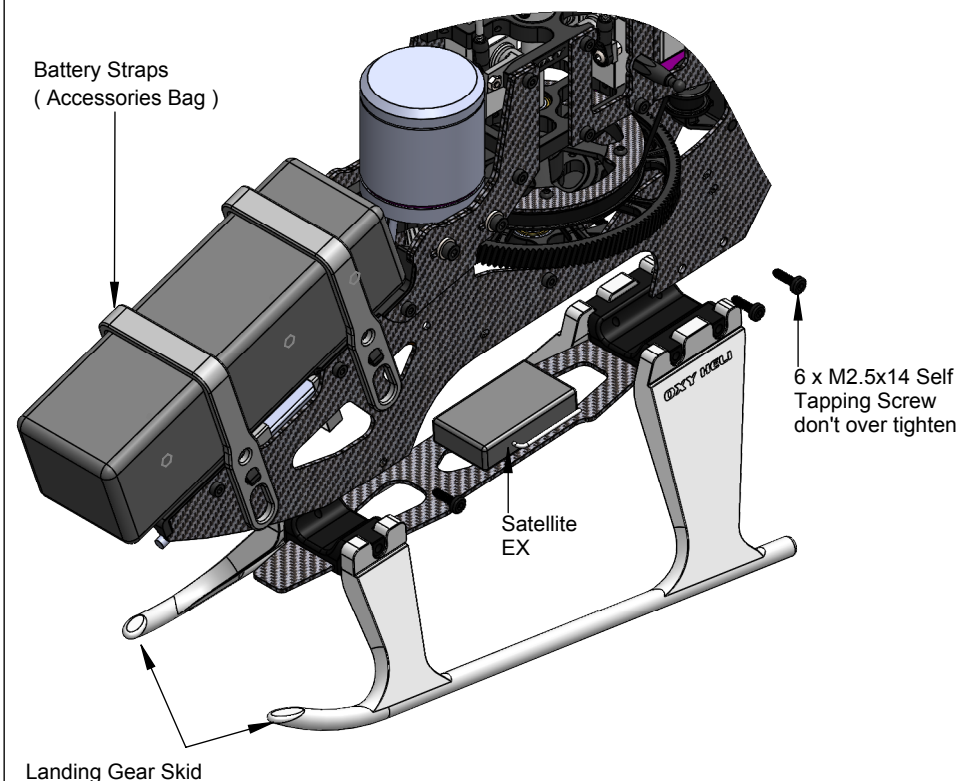


⚠ With Rudder Stick centered and the Tail Servo Arm in the center position, adjust the Tail Push Rod length until the Tail Bell Crank and Tail Case Plate are parallel as shown.

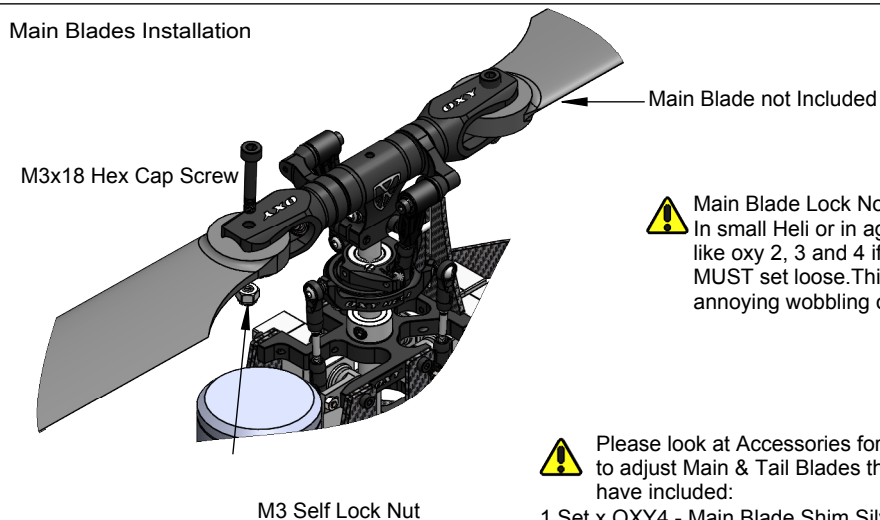


⚠ The Oxy 4 Tail System has approximately 3.5 of counter torque with the Tail Bell Crank set per instructions.

Landing Gear & Battery Installation



Main Blades Installation

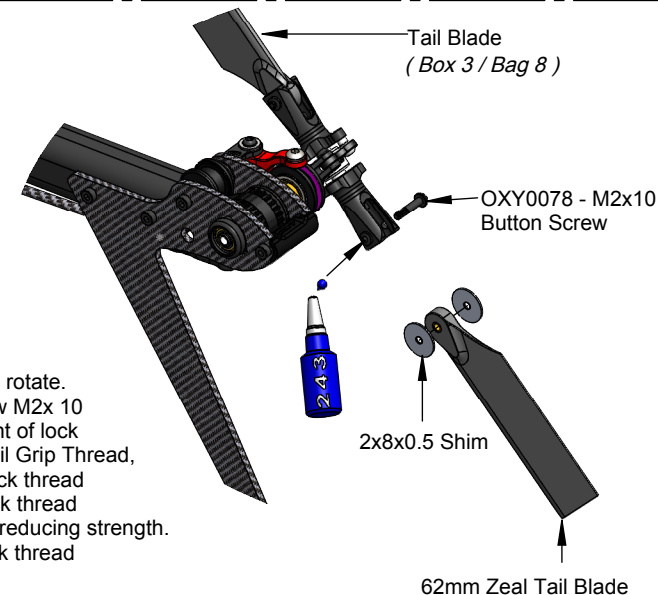


⚠ Main Blade Lock Note:
In small Heli or in aggressive head design like oxy 2, 3 and 4 if you fly on hard terrain MUST set loose. This suggestion will avoid annoying wobbling on ramp up or landing.

⚠ Please look at Accessories for the shims you need to adjust Main & Tail Blades thickness, in the kit have included:

- 1 Set x OXY4 - Main Blade Shim Silver = 0.5mm thickness
- 1 Set x OXY4 - Main Blade Shim Black = 0.6mm thickness
- 1 Set x OXY4 - Main Blade Shim Red = 0.75mm thickness
- 1 Set x OXY4 - Tail Blade Shim Silver = 0.5mm thickness

Tail Blades Installation



⚠ Tail blade need be loose. Set it free to rotate.
About lock thread, to assure the Screw M2x 10 use it but carefully. Apply small amount of lock thread NOT in the Screw but in the Tail Grip Thread, using a tooth pick. Be careful about lock thread contamination on plastic tail blade, lock thread contains chemical that effect plastics, reducing strength. After assembly clean carefully any lock thread excess to avoid contamination effect.

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:

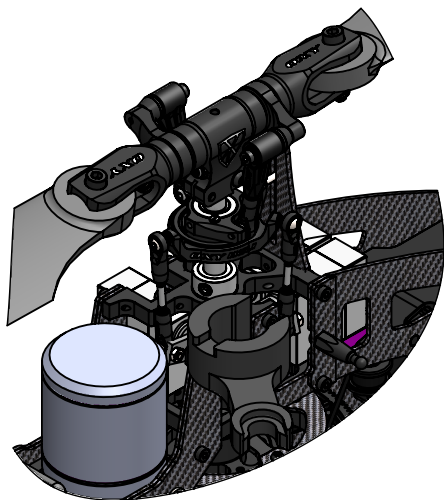
Use the suggested settings for 450 Helicopters **BUT** start with a **LOWER** Tail Gain (Increase after test per need)

IKON / Brain = 20%

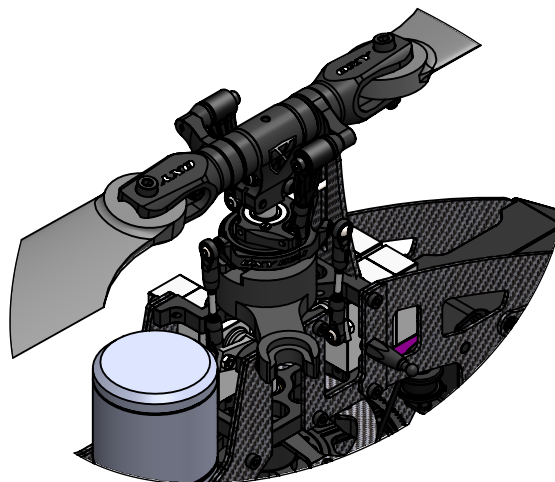
Mini V-Bar = 250 Heli suggested gain.



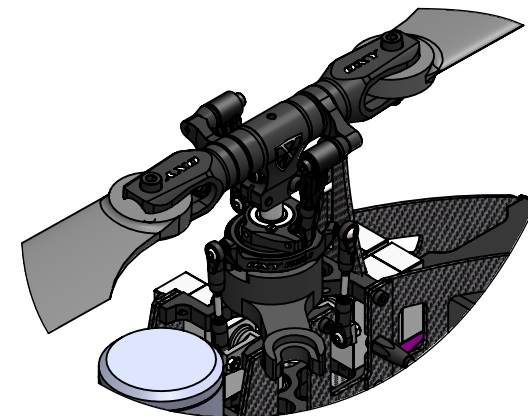
Lift up swash plate
as shown to have
space for inserting Leveler.

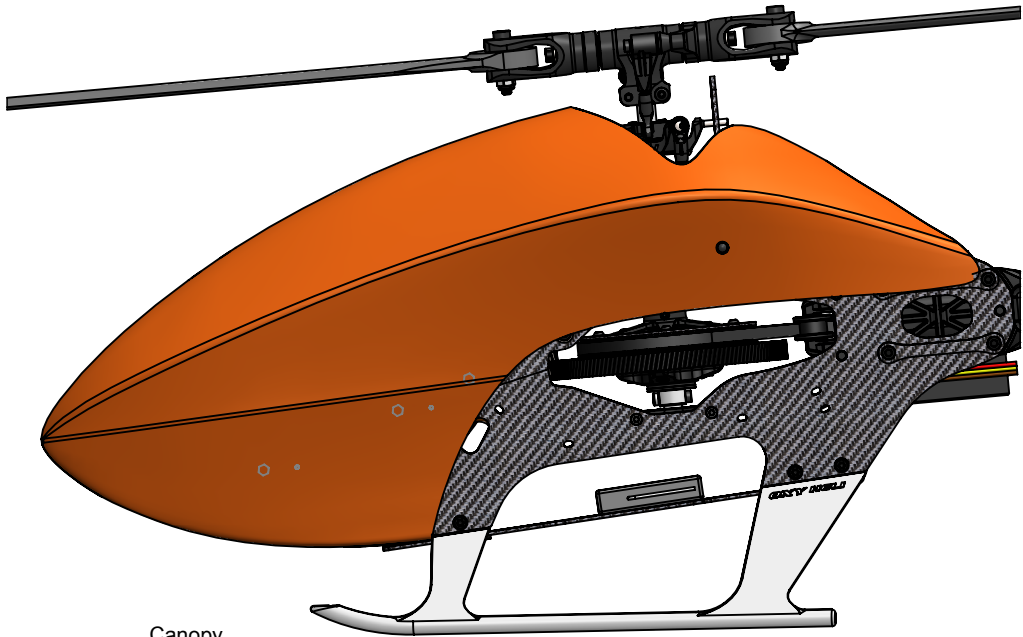


Rotate Leveler as shown

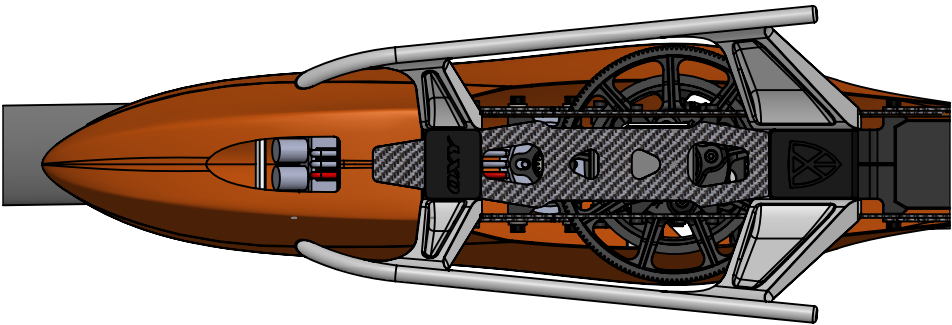


Lower Swash Plate down
until Swash Plate
touch Leveler as shown.

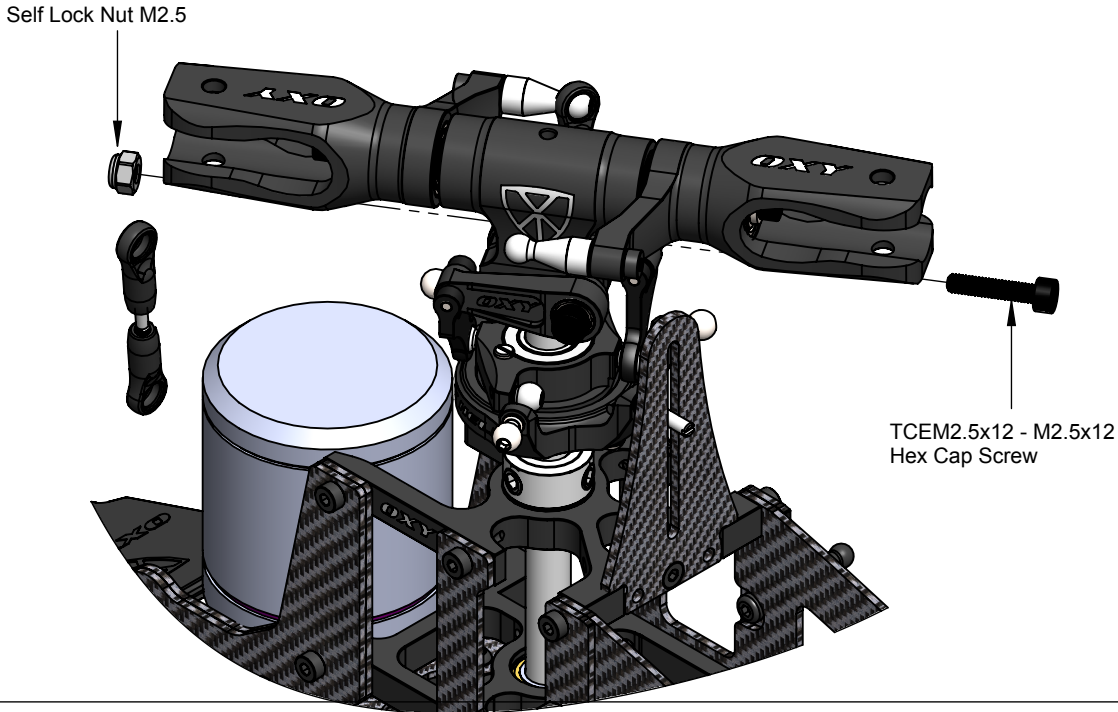
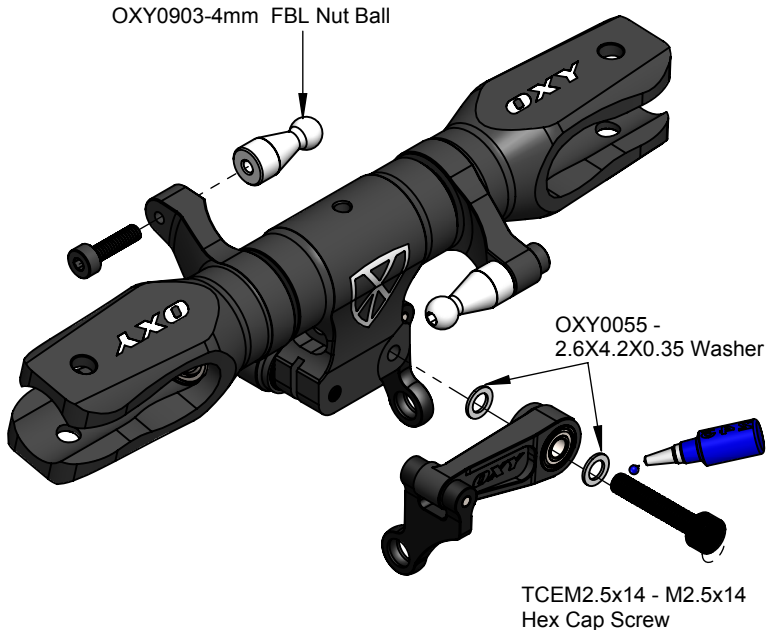
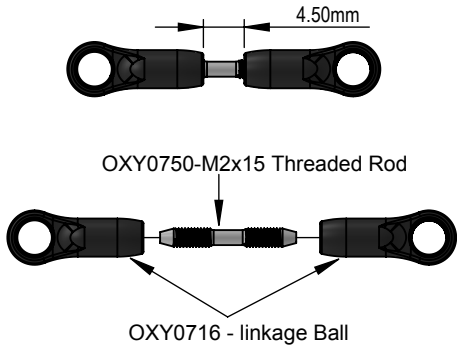
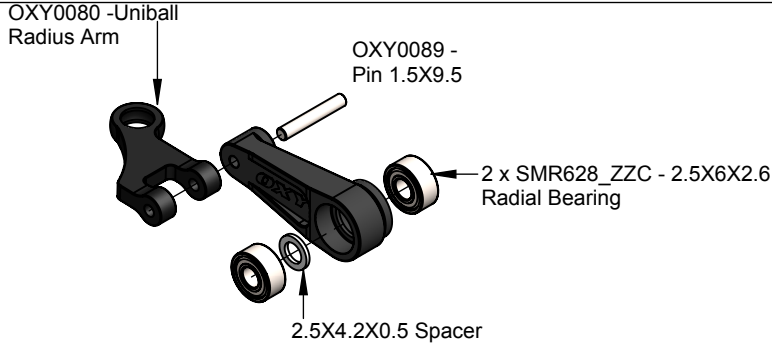


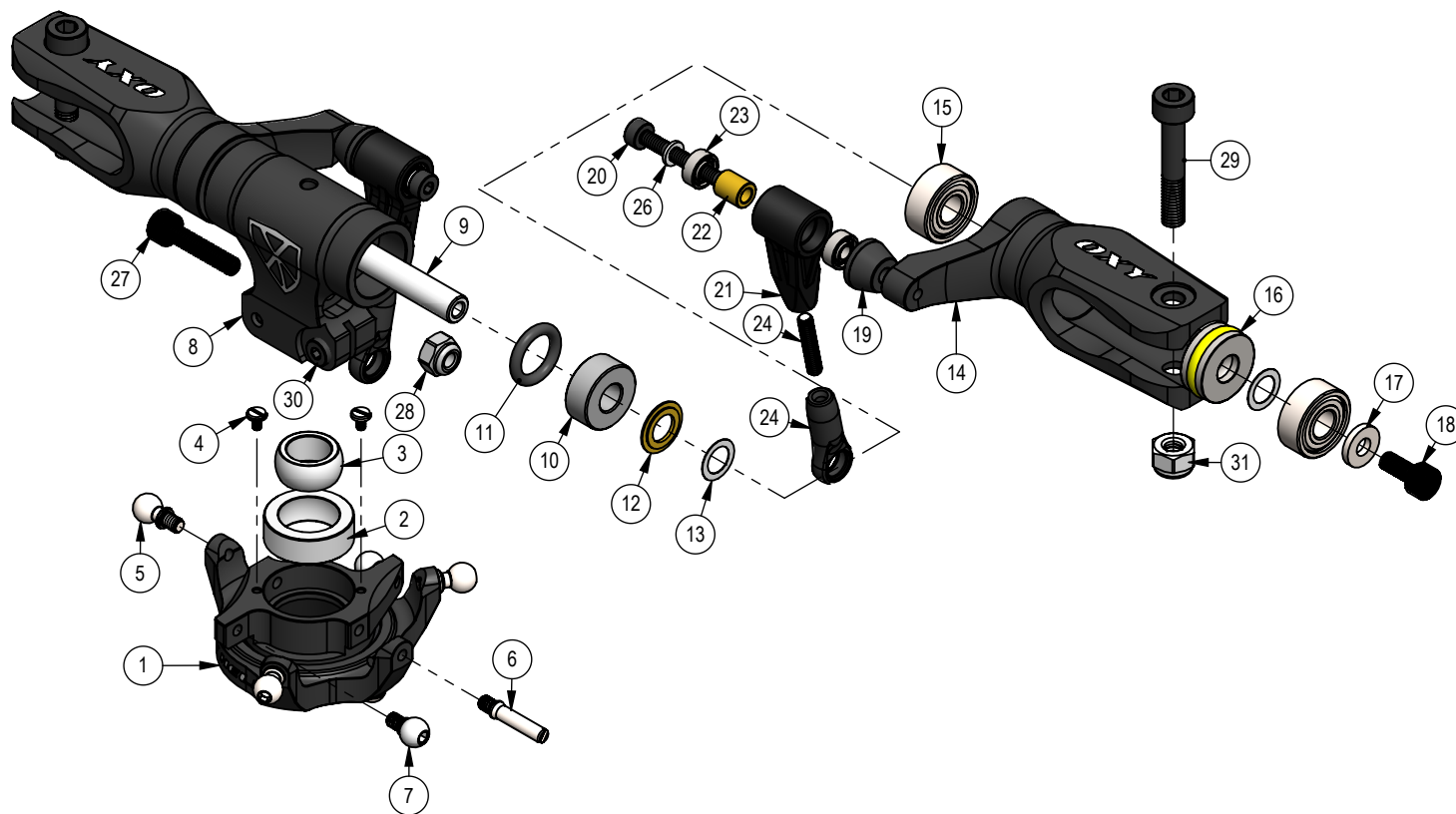


Canopy

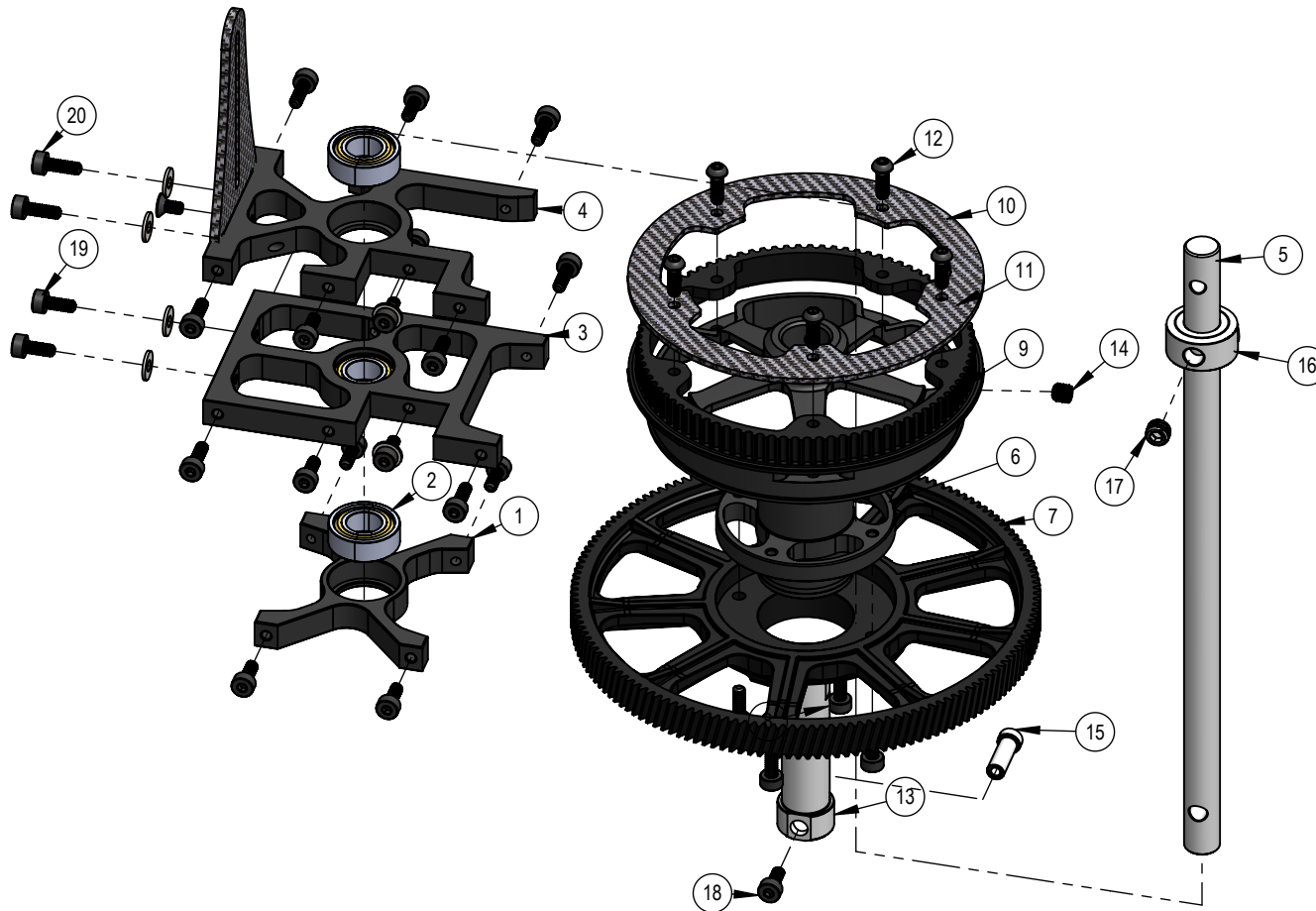


 The FBL Head System is optional and not included in the STD kit.

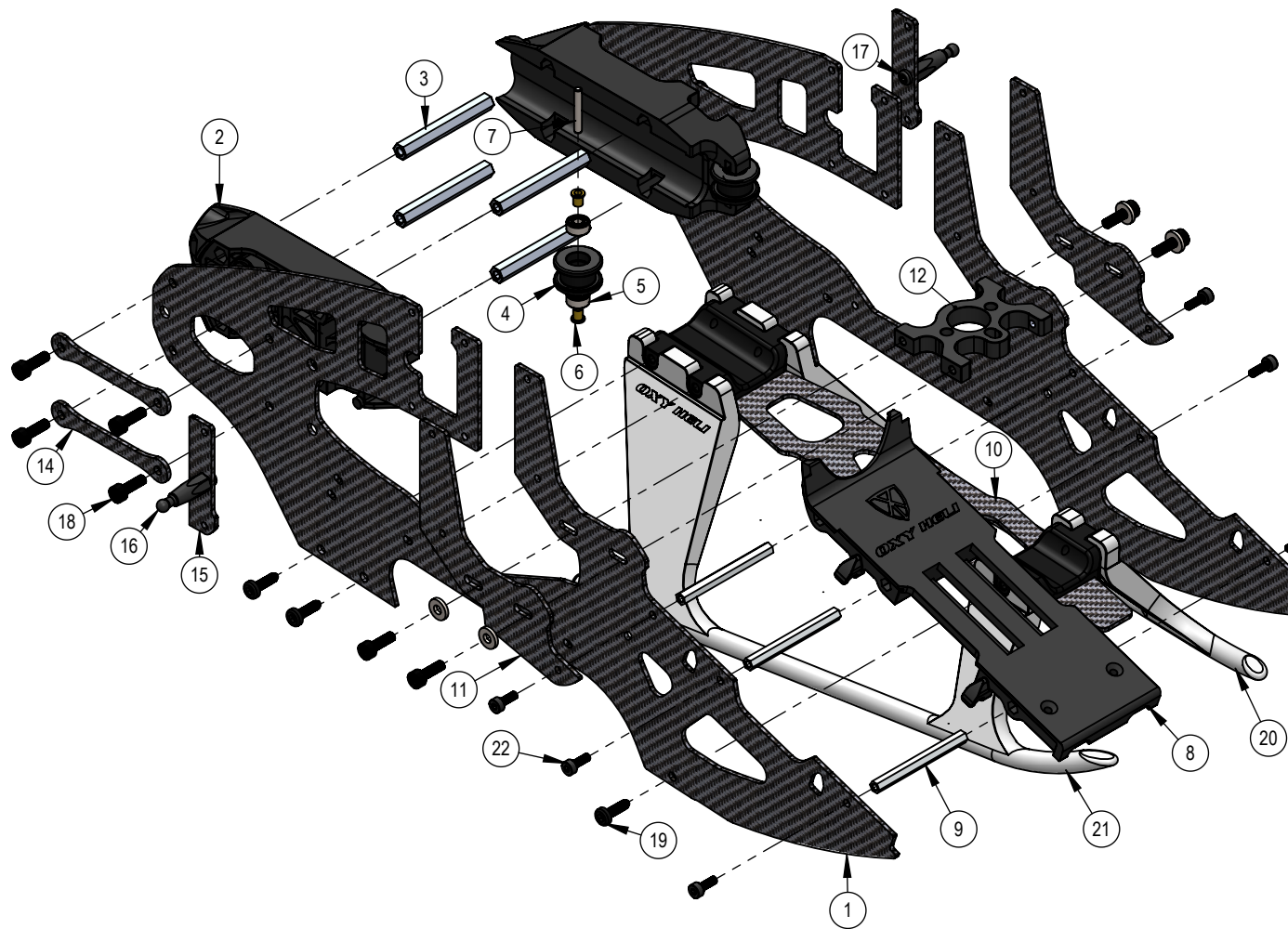




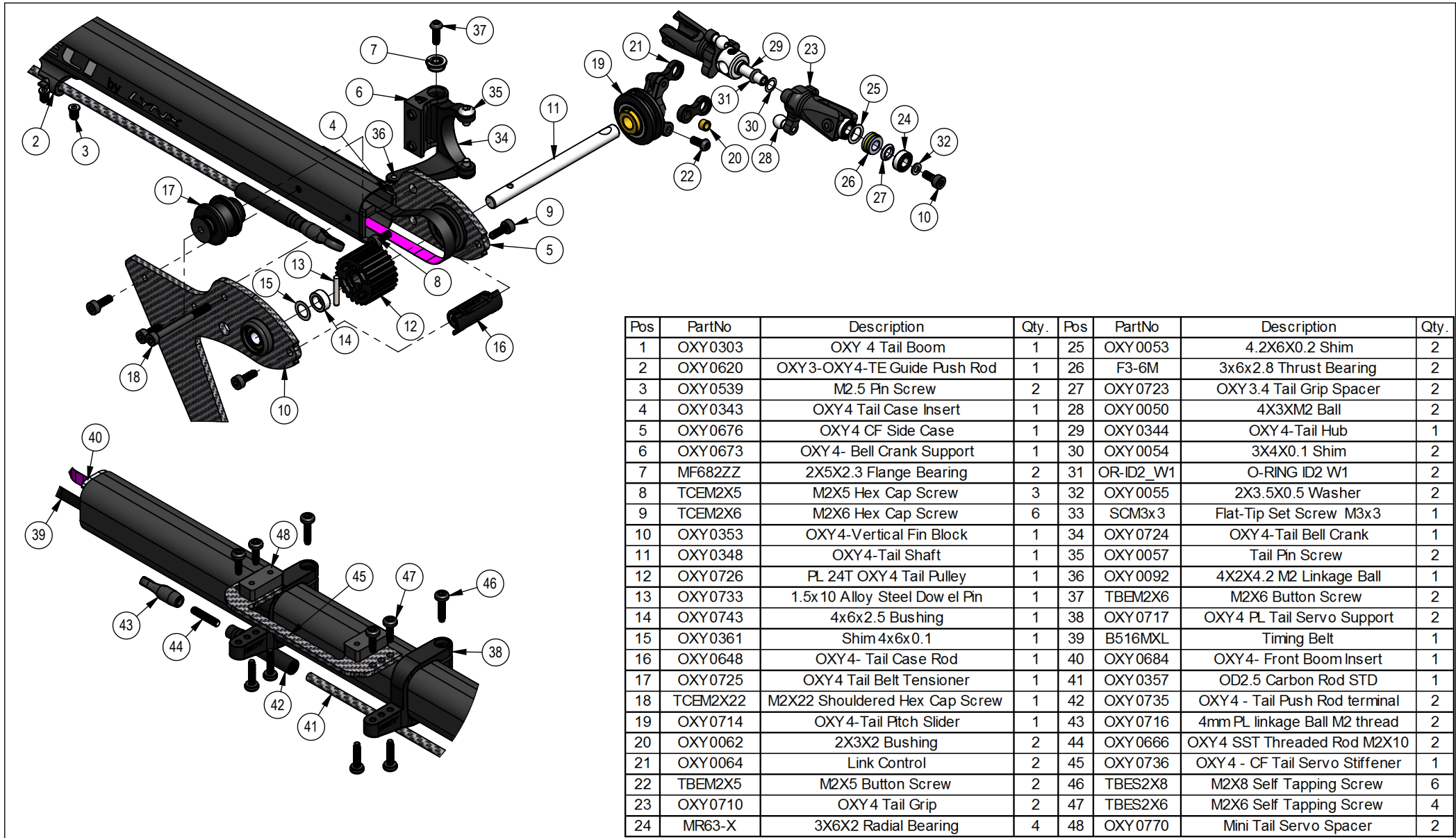
Pos	PartNo	Description	Qty.
1	OXY 0696	OXY 4 Lower Swash Plate	1
2	OXY 0694	OXY 4 Ball Holder	1
3	OXY 0695	OXY 4 Center Ball	1
4	OXY 0020	M1.2x2 Special Screw	2
5	OXY 0019	M2 Wash Plate Ball	3
6	OXY 0018	2x11.5 Anti Rotation Pin	1
7	OXY 0043	4X2 Linkage Ball	2
8	OXY 0324	Center Hub	1
9	OXY 0339	OXY 4-Spindle Shaft	1
10	OXY 0325	OXY 4-Damperner Bushing	2
11	OR6x1.5	Oring ID6x1.5 Shore 80-90	2
12	OXY 0680	OXY 4-Damperner 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





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



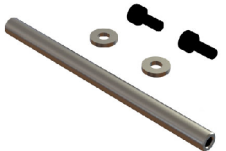
- 2 x Main Grip Assembly
- 2 x M3X18 Shouldered Hex Cap Screw
- 2 x M3 Self Lock Nut

OSP - 1004
OXY4 - Main Grip Service Bag



- 2 x 4X10X4 Thrust Bearing
- 4 x 4X10X4 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-Dampner Bushing
- 4 x Oring ID6x1.5
- 4 x OXY4-Dampner 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

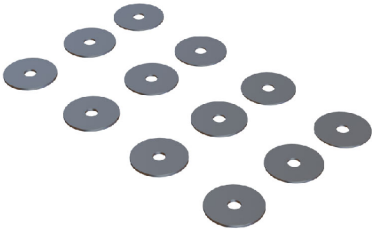


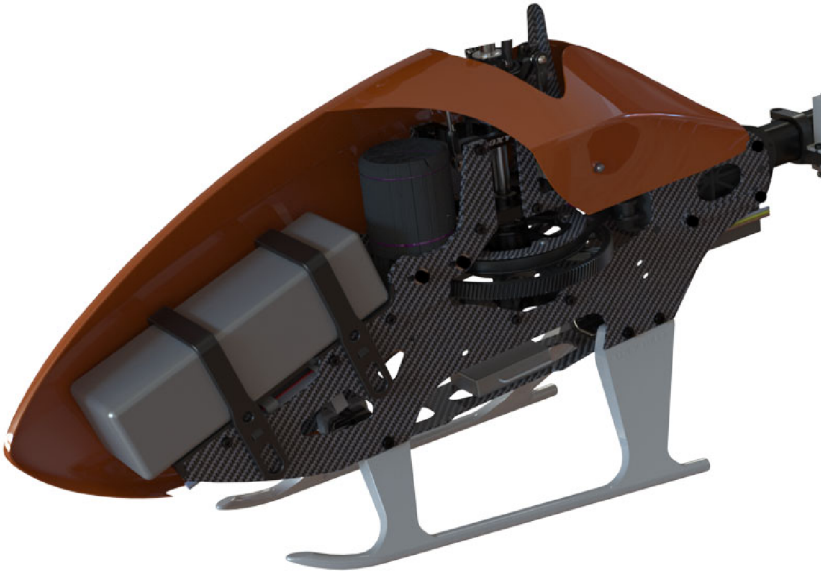
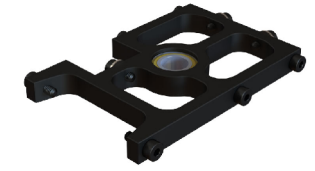
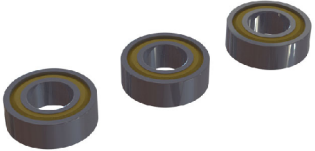
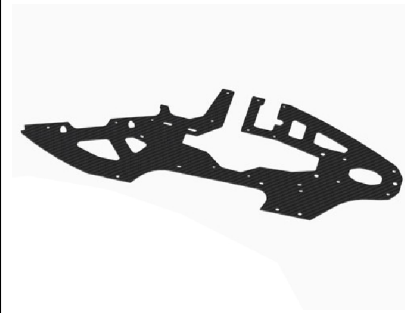
- 1 x OXY4 Ball Holder
- 1 x OXY4 Center Ball
- 2 x M1.2x2 Special Screw
- 1 x 2x11.5 Anti Rotation Pin
- 3 x M2 Wash Plate Ball
- 4x Linkage Ball

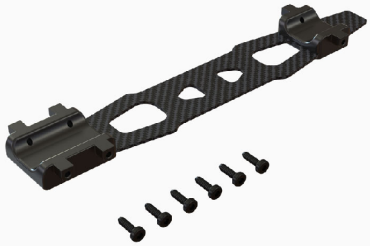
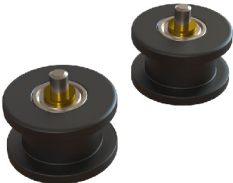
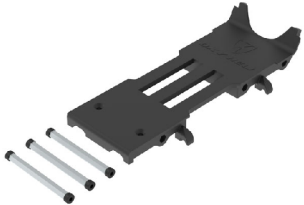
OSP-1009
OXY4 - Carbon Steel Main Shaft



- 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

OSP-1008 OXY4 - PL Linkage Ball, 10pcs  10 x Plastic Linkage Ball	OSP-1012 Threaded Rod M2x10  10 x M2x10 Threaded Rod	OSP - 1048 Threaded Rod M2x20  10 x Threaded Rod M2X20	SP-OXY3-036 OXY3 - Servo Arm Set, 4 PC  4 x Servo Arm 4 x linkage Ball 4 x Hex Nut	OSP-1059 OXY4-FBL-Head-System  1 Set FBL
OSP-1076-OXY4- FBL-Antirotation-Arm, Service-Bag  M2.5x6CS-10 - Hex Cap Screw M2x6, 10 PCS	OSP-1075 V2-FBL-Linkage-Ball,-Set  5 x FBL Still Linkage Ball 5 x FBL Bushing	OSP - 1013 OXY4 - Blade Holder  1 x OXY4 Blade Holder	ZHM-NRG325C  1 x ZEAL Energy Carbon Fiber Main Blades 325mm (Neon Orange)	M2x6CS-10 - Hex Cap Screw M2x6, 10 PCS  10 x Hex Cap Screw M2x6
M2.5x6CS-10 - Hex Cap Screw M2x6, 10 PCS  10 x Hex Cap Screw M2.5x6	M2.5x12CS-10 - Hex Cap Screw M2.5x12, 10 PCS  10 x Hex Cap Screw M2.5x12	M2.5-SLN-10 Self Lock Nut M2.5  10 x 10 Self Lock Nut M2.5	M3-SLN-10 Self Lock Nut M3  10 x 10 Self Lock Nut M3	SP-0072 OXY4 - Main Blade Shim Set  4 x 3x15x0.5 Shim 4 x 3x15x0.6 Shim 4 x 3x15x0.7 Shim

	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  2 x OXY4 Motor Mount Stiffener	OSP - 1026 OXY4 - Carbon Anti Rotation Guide  1 x OXY4 - Anti rotation Guide

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

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

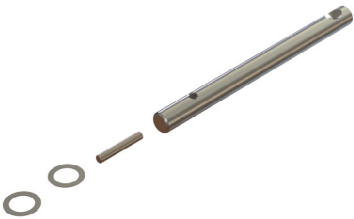
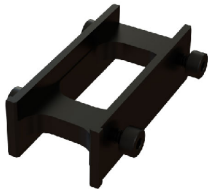


Button Screw M2x6, 10 PCS

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



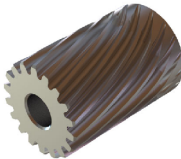
10 x Self Tapping M2.5x8

		OSP - 1035 OXY4-Tail Shaft  1 x OXY4-Tail Shaft 1 x 1.5x9.5 Alloy Steel Dowel Pin 2 x Shim 4x6x0.1	OSP - 1036 OXY4 - Tail Case Hub  1 x OXY4 Tail Case Insert 4 x M2X6 Hex Cap Screw	OSP - 1037 OXY4 - Tail Case Cover  OXY4- Tail Case Rod M2X6 Hex Cap Screw
		OSP - 1038 OXY4 - Tail Case Bearing Block Assembly  1 x Tail Case Assembly 2 x M2x6 Hex Cap Screw	OSP - 1039 OXY4 - Tail Pitch Slider  1 x Pitch Slider, Set	OSP - 1040 OXY4 - Tail Bell Crank  1 x Tail Bell Crank, Set
OSP - 1041 OXY4 - Bell Crank Support  OXY4 - Tail Bell Crank Support, Set	OSP - 1042 OXY4 - Tensioner Tail Belt  OXY4 - Tail Belt Tensioner, Set	OSP - 1043 OXY4 - Tail Grip  2 x Tail Grip Assembly	OSP - 1044 OXY4 - Tail Rotor Hub, Spare  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	OSP-1045 OXY4 - Vertical Fin  1 x Vertical Fin Set

OSP-1046 OXY4 - 325mm Tail Push Rod Set 	OSP - 1047 OXY4 - 325mm Tail Boom 	OSP-1068 OXY4 - Stretch Kit 360 Combo 	OSP-1070 OXY4 - 360 - Tail Push Rod 	OSP-1069 OXY4 - 360 Tail Boom 
1 x Tail Push Rod, Set	1 x Tail STD Boom	2 x Tail STD Boom		1 x 360mm Tail Boom
SP-OXY3-025 OXY3 - Tail Rotor - Service Bag 	OSP - 1053 OXY4 - 23T Tail Pulley 	OSP - 1054 OXY4 - 24T Tail Pulley 	OSP-1060 OXY4 325mm Timing Belt Spare 	OSP-1071 OXY4 360mm Timing Belt Spare , 1Pcs 
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	1 x 23T Tail Pulley 1 x Bushing 1 x Shim 4x6x0.1 1 x 1.5mm Pin	1 x 24T Tail Pulley 1 x Bushing 1 x Shim 4x6x0.1 1 x 1.5mm Pin	2 xTiming Belt B516MXL 2 x Front Boom Insert	1 xTiming Belt B557MXL 1 x Front Boom Insert
SP-OXY3-028 - OXY3 Tail Pitch Slider - Service Bag 	OSP-1049 OXY4 - Tail Servo Mount, Set 	OSP-1074 OXY4 - Mini Servo Adapter 	OSP-1050 OXY4 - Tail Blade 62mm - Black, 2Pcs 	OSP-1051 OXY4 - Tail Blade 68mm - Black, 2Pcs 
2 x Bushing 2 x Link Control 2 x M2x5 Button Screw	2 x Washer M2 2 x Self Tapping Screw M2x6 2 x Self Tapping Screw M2x8 2 x Tail Servo Mount	1 x Mini Tail Servo Adapter 2 x Spacer 2 x M2x6 Self Tapping Screw 2 x M2x8 Self Tapping Screw	2 x Tail Blade 62mm	2 x Tail Blade 68mm

M3x3SC-10 Set Screw M3x3, 10 PCS 	M2x8SBH-10 Self-Tapping Button Hex Screw M2x8, 10 PCS 	M2x6SBH-10 Self-Tapping Button Hex Screw M2x6, 10 PCS 	M2x5CS-10 Hex Cap Screw M2x5, 10 PCS 	M2x6BH-10 Button Hex Cap Screw M2x6, 10 PCS 
10 x Set Screw M3x3	10 x Self-Tapping Button Hex Screw M2x8	10 x Self-Tapping Button Hex Screw M2x6	10 x Hex Cap Screw M2x5	10 x Button Screw M2x6
M2x5BH-10 Button Hex Cap Screw M2x5, 10 PCS 				
10 x Button Screw M2x5				

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

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	LX0362 3-4 mm Spindle Shaft Wrench  1 x 3 - 4 mm Spindle Shaft Wrench	LX1568 4mm Plastic Linkage Ball Reamer Too  1 x 4mm Plastic Linkage Ball Reamer Tool	M2x22SCS-10 Shoulder Hex Cap Screw M2x22, 10 PCS  10 x Shoulder Hex Cap Screw M2x22, 10 PCS
M4x3SC-10 - Set Screw M4x3, 10 PCS  10 x Set Screw M4x3, 10 PCS	OSP-1061 OXY4 STD Canopy  1 x Canopy	SP-0065 OXY4 - Helicoidal Pinion 14T - 3.17mm Motor Shaft  1x 14T -3.17mm Motor Shaft Pinion 1 x Set Screw M3x3	SP-0066 OXY4 - Helicoidal Pinion 15T, - 3.5mm Motor Shaft  1x 15T -3.5mm Motor Shaft Pinion 1 x Set Screw M3x3	SP-0067 OXY4 - Helicoidal Pinion 17T - 3.5mm Motor Shaft  1x 17T -3.5mm Motor Shaft Pinion 1 x Set Screw M3x3
OSP-1086 OXY4 - Helicoidal Pinion 12T - 3.17mm Motor Shaft  1x 12T -3.17mm Motor Shaft Pinion 1 x Set Screw M3x3	OSP-1087 OXY4 - Helicoidal Pinion 13T - 3.5mm Motor Shaft  1x 13T -3.5 mm Motor Shaft Pinion 1 x Set Screw M3x3	OSP-1088 OXY4 - Helicoidal Pinion 15T - 3.17mm Motor Shaft  1x 15T -3.17 mm Motor Shaft Pinion 1 x Set Screw M3x3	OSP-1089 OXY4 - Helicoidal Pinion 16T - 3.5mm Motor Shaft  1x 16T -3.5 mm Motor Shaft Pinion 1 x Set Screw M3x3	OSP-1090 OXY4 - Helicoidal Pinion 18T - 3.5mm Motor Shaft  1x 18T -3.5 mm Motor Shaft Pinion 1 x Set Screw M3x3

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			