

Sport

Instruction Manual



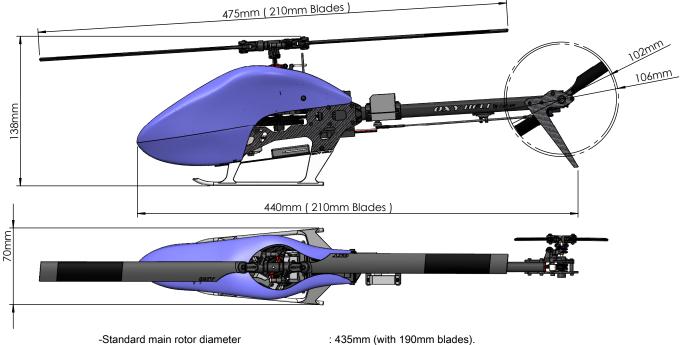
VERY IMPORTANT NOTE:

- Visit the Oxy Heli web site www.oxyheli.com to download the latest version of the manual.
- Inside Box 2 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 2 Helicopter.

INDEX

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





-Standard main rotor diameter

-Standard main blade length

-Standard tail rotor diameter

-Standard tail blade length

-Main Grip Clamping

-Tail Blade Clamping

-Maximum motor size

-Maximum battery size -Recommend battery

-Weight

: 475mm (with 210mm blades).

: 190mm/210mm

: M2 / 3.2 mm root.

: 102/106 mm.

: 38/41 mm.

: M1.6 / 3 mm root.

: 274g (ready to fly excluding batteries)

: diameter 26mm.

: length 72mm, height 25mm, width 35mm, weight 114gr

: 850 45C -1000 mAh 3s 40C max size.....

OXY MELI

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.

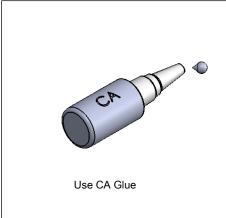
NOTES FOR ASSEMBLY:

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.

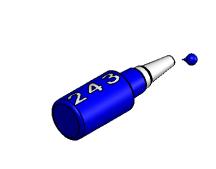
NONE OF THE PRE ASSEMBLED PARTS HAVE THREAD LOCK ON THE SCREWS. IS IMPORTANT TO READ AND FOLLOW THE ASSEMBLY NOTES IN EACH STEP. INCORRECT ASSEMBLY OR NOT USING THREAD LOCK WILL CAUSE A CRASH OR INJURY.



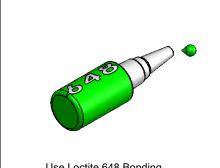
Important note



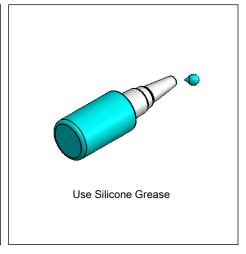


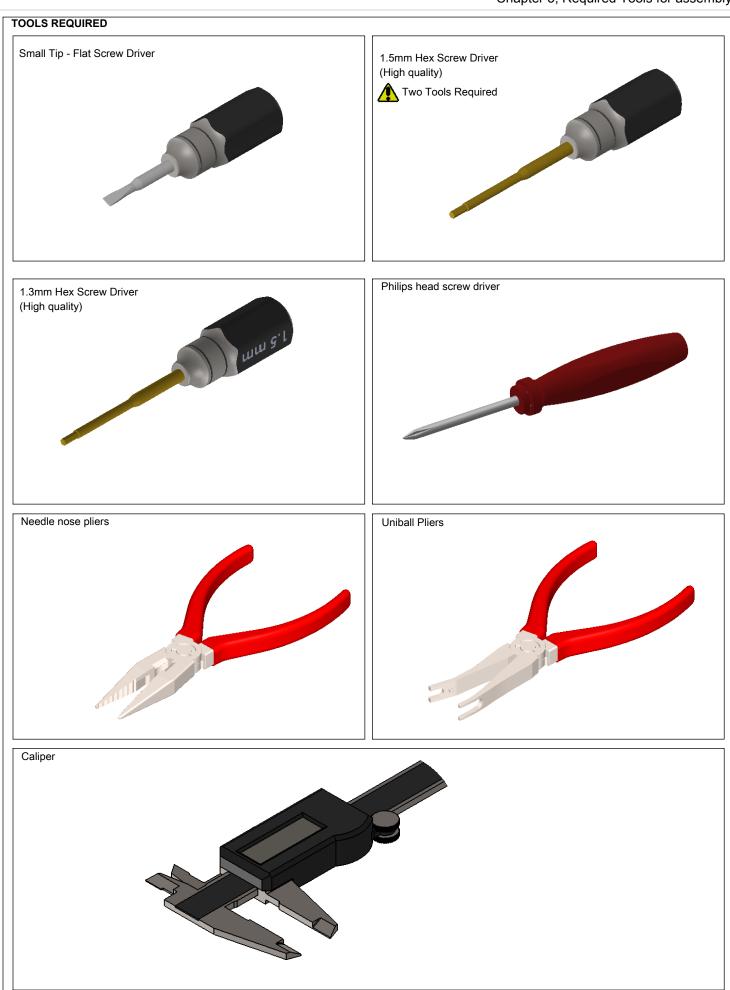


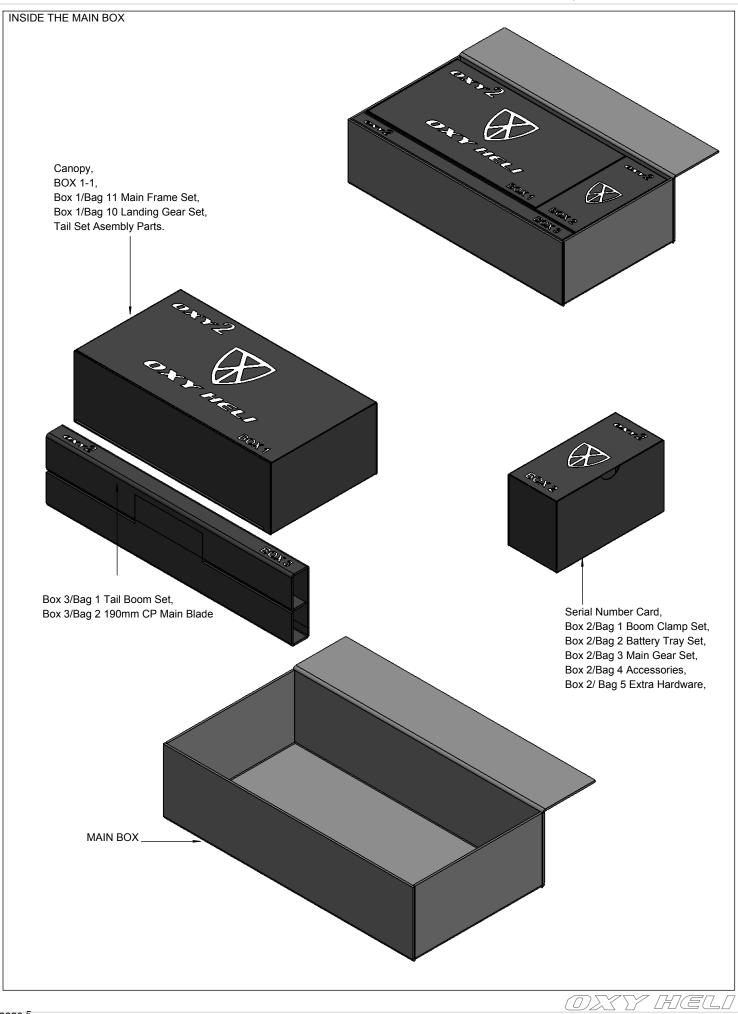
Use Loctite 243 Medium Strength



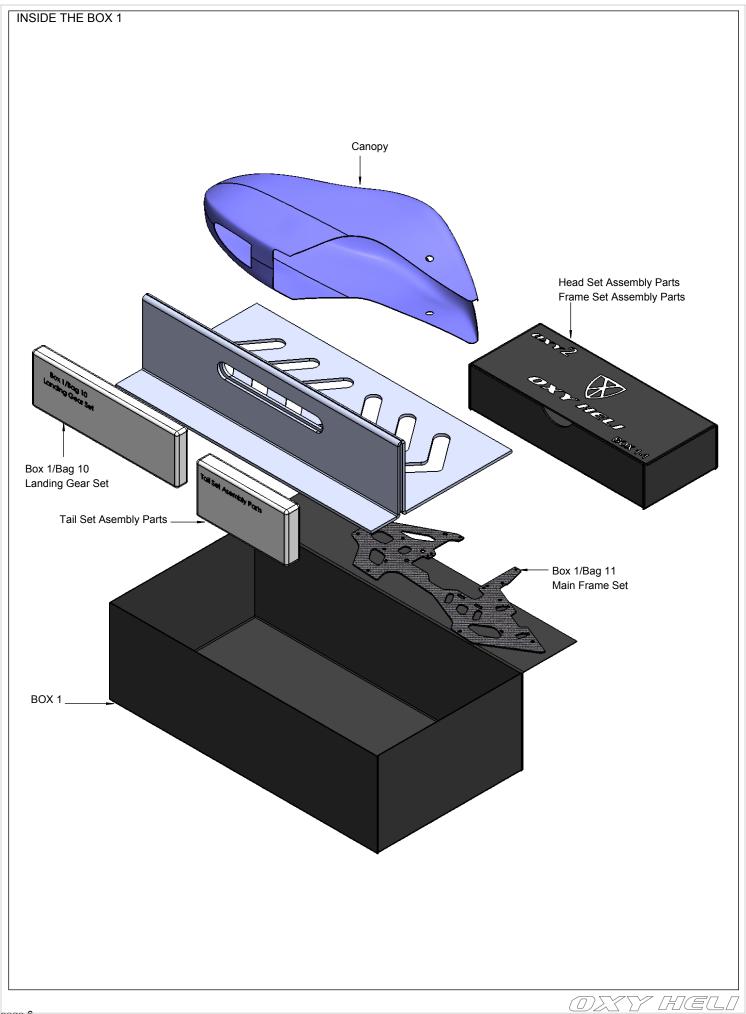
Use Loctite 648 Bonding







page 5



OXY 2 POWER SYSTEM AND HEAD SPEED SET-UP

In order to choose the best setup for your Oxy 2, and optimize performance, it is important to know some basic information:

- 1- Motor Kv Min 3600 Max 6000 See your motor specification
- 2- Battery Pack (3s or 4s)
- 3- Your target head speed

If you use a head speed calculator, use 113T for the straight main gear and one of the available pinions 10T - 11T - 12T - 13T - 14T - 15T - 17T. The kit comes with one pinions (11T-2mm Shaft) which enables a wide head speed range with 3s batteries and 5500Kv Motor perfect for novice and expert pilots.

 Oxy 2 Gear Ratio Chart

 10
 11.000

 11
 10.000

 12
 9.167

 13
 8.462

 14
 7.857

 16
 6.875

 18
 6.111

Oxy 2 Fly Style / Head Speed / Main Blade	/ Tail Blade / Max Pitch suggestion chart:
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	Fly Style	Head Speed		Main Blade	Pitch	Tail	Tail
	riy Style			Iviaiii biaue		Blade	Pulley
	Hover	3500	4000	190 CP	+10/-3	41	16 T
0.000	Fly 2D	4000	4500	190 CP	+ 10 / -5	41	16 T
OXY2	Soft 3D	4500	5000	190 CP	+/- 13	38	16 T
190mm	Hard 3D	5000	5500	190 CP	+/- 14	38	16 T
	Extreme 3D	5500	6000	190 CP	+/- 14	38	16 T

	Fly Style	Head S	Speed	Main Blade	Pitch	Tail Blade	Tail Pulley
0,072	Hover	3300	3750	210 CF	+10/-3	41	15T
	Fly 2D	3750	4200	210 CF	+ 10 / -5	41	15T
OXY2	Soft 3D	4200	4650	210 CF	+/- 13	41	16 T
210mm	Hard 3D	4650	5100	210 CF	+/- 14	41	16 T
	Extreme 3D	5100	5550	210 CF	+/- 14	41	16 T

Head Speed Note: Although Oxy 2 can handle very high Head Speed, we suggest not to exceed 5000 RPM to maintain a good compromise btw performances and efficiency.

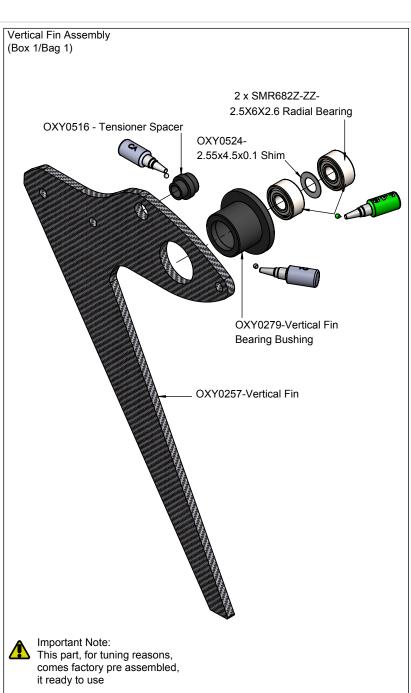
Over 5000 rpm to Max 5500 rpm we recommend to use CNC Main Grip SP-OXY2-002 - OXY2-FE - CNC Main Grip.

Configuration examples

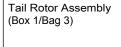
Since the Oxy2 is a high performance 3D RC helicopter, we suggest using high quality power components including motor, battery and ESC. Remember the Oxy 2 is a 200 class heli – use light components to maximize flight time and performance.

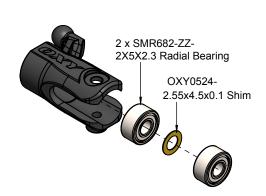
- Here are some suggestions:
- $\hbox{-}\,Motor: Suggested KV 3600KV to 6000KV, 16-11 to 19-12 caliber series (stator diameter-stator length).}$
- Battery: 3 or 4\$ with capacity from 800 to 1000mAh / 45C discharge rate. Maximum size: length 72mm, height 25mm, width 35mm, weight 114g.
- ESC: 25 to 30A with BEC 5V 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 2 was designed around the U-lkon / 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 26mm.
- Main blade: The Oxy 2 can fly with plastic or CF main blades from 190 to 210mm. Our testing was with Lynx 190mm Carbon Plastic main blades, and Zeal 210mm main blades. The Oxy 2 main grips use M2 clamp screw and have a 3.2 mm root.
- Tail blades: The Oxy 2 uses our own OEM tail blades, either 38 or 41 mm (included with the kit). They use a M1.6 clamp screw and 3 root.

We offer 38 and 41mm tail blades to suit different head speeds. Use 41mm tail blades when your head speed is lower than 4500rpm and 38mm with higher head speeds.

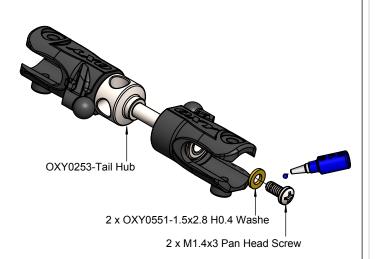


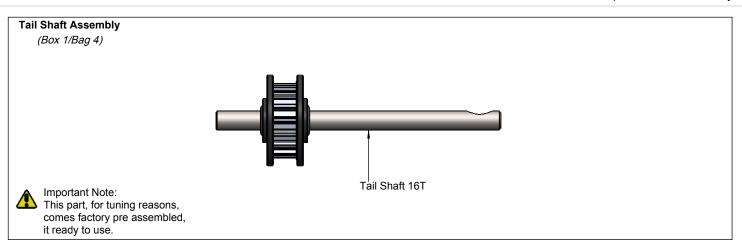


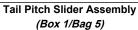


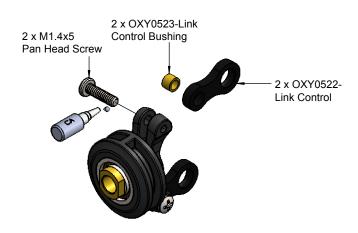


Important Note:
This part comes pre assembled
WITHOUT thread lock. It MUST be
re-assembled with thread lock as shown.





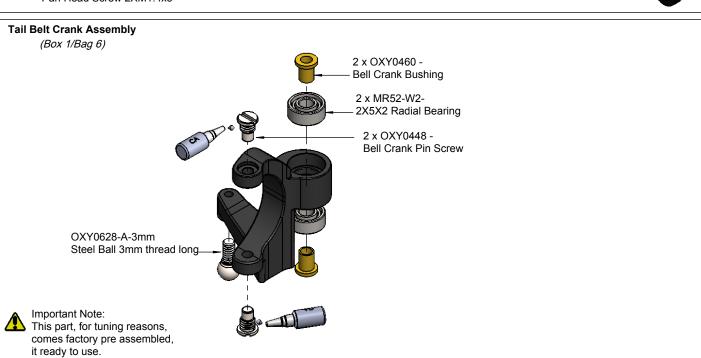


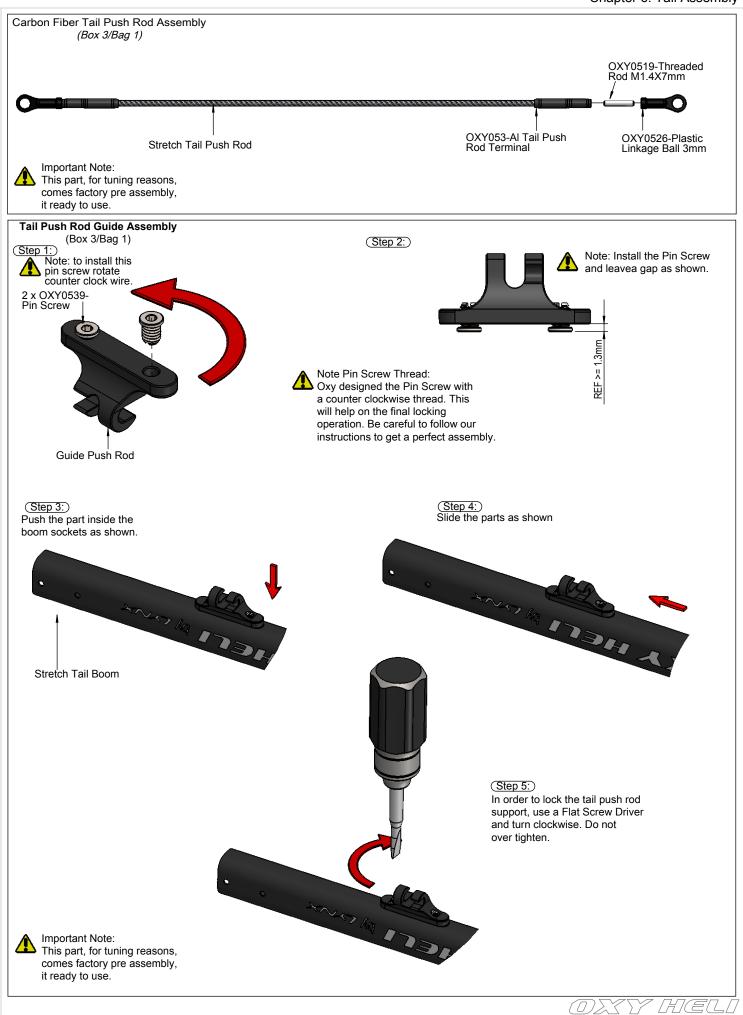


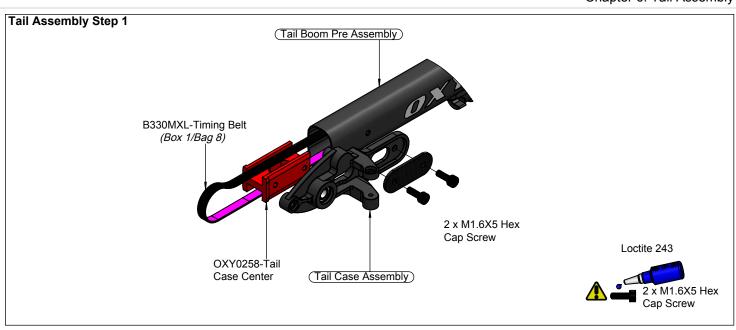
Important Note: This part comes pre assembled, WITHOUT THREAD lock. Follow the instruction for final assembly.

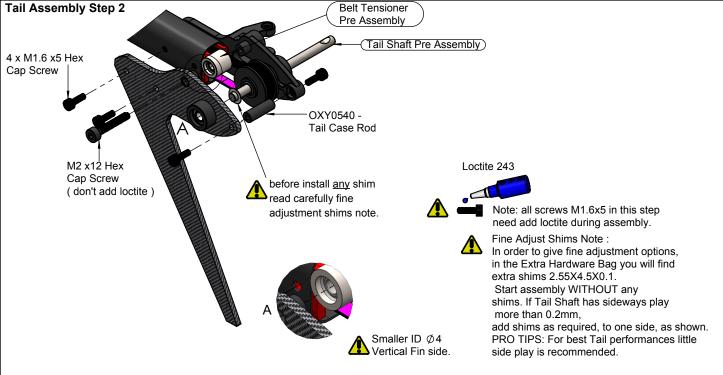


Do not over tighten Pan Head Screw 2XM1.4x5

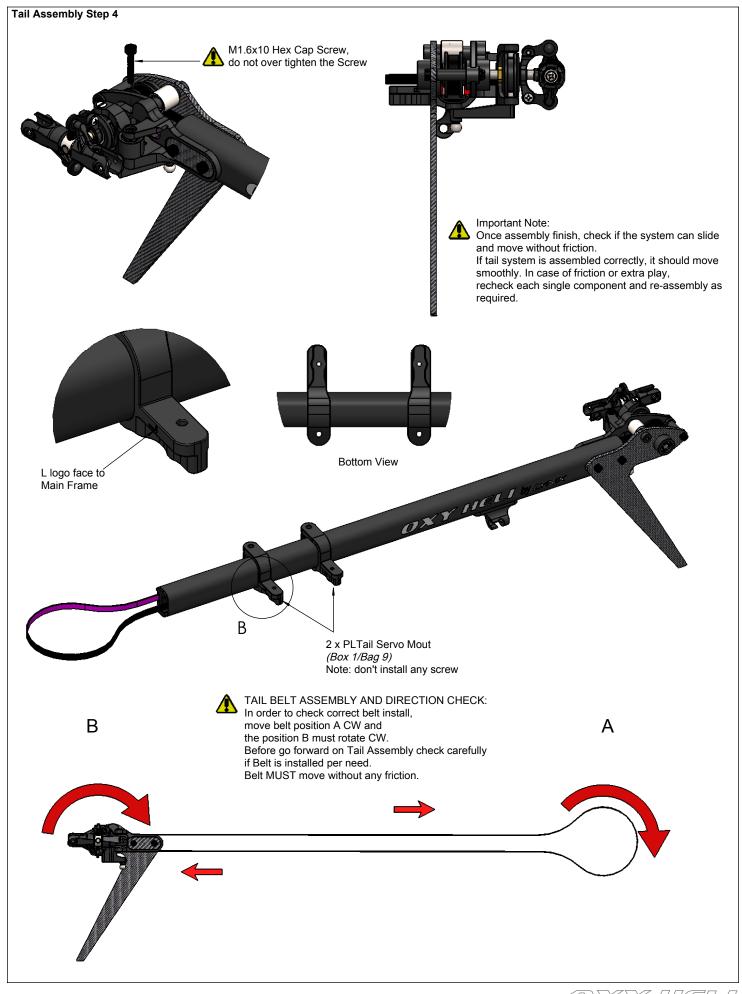


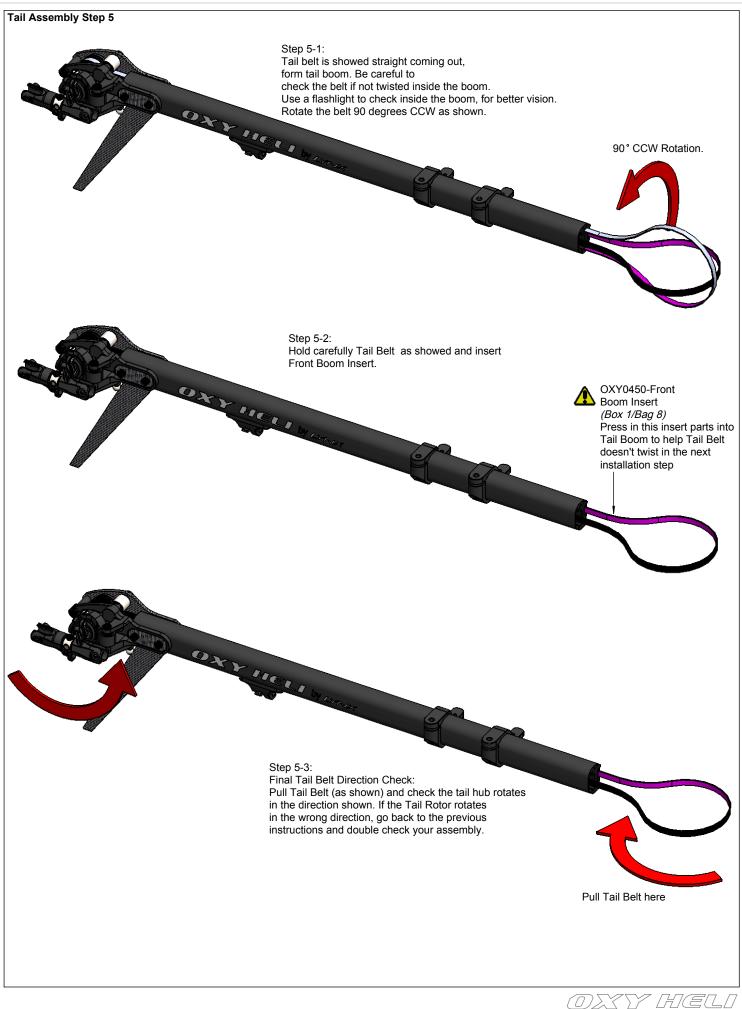






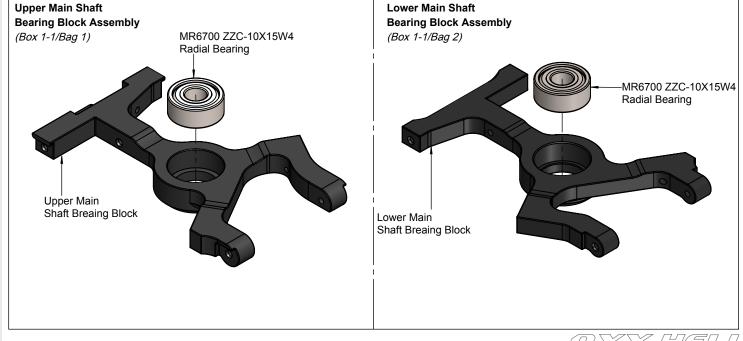


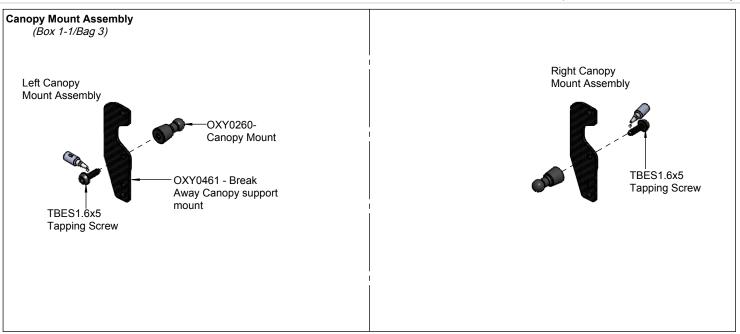


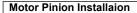


Boom Clamp Assembly (Box 2/Bag 1) Pulley Guide Belt Assembly 2 x MR52-W2-2X5X2 Radial Bearing Crank Bushing OXY05321.6X13.8 Pin OXY0242-Pulley Guide Belt Important Note: this part, for tuning reasons, comes factory pre assembled, it ready to use

Install the Pins into the Pulley Guides and press completely into the Tail Boom Clamp Socket Lips. 2 x OXY0452Boom Clamp 4 x OXY0453 - Boom Lock Rod







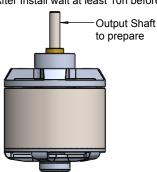
Note: Output Motor Shaft prepareration:

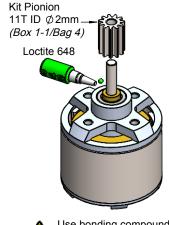
because OXY2 pinion have bonding assembly follow below step for best results.

- 1- Sand Paper output shaft.
- 2- Use bonding compound (Loctite 648 or Lynx LX5648).

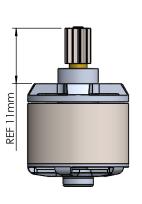
Don't use STD lock thread.

3- After Install wait at least 10h before fly.





Use bonding compound Loctite 648 or LX5648, don't use standard lock thread



after install wait until 10h before fly

Motor Installation

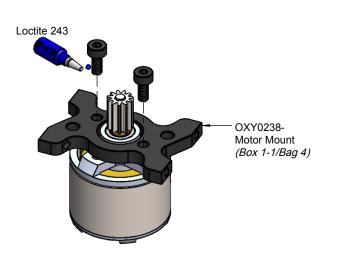


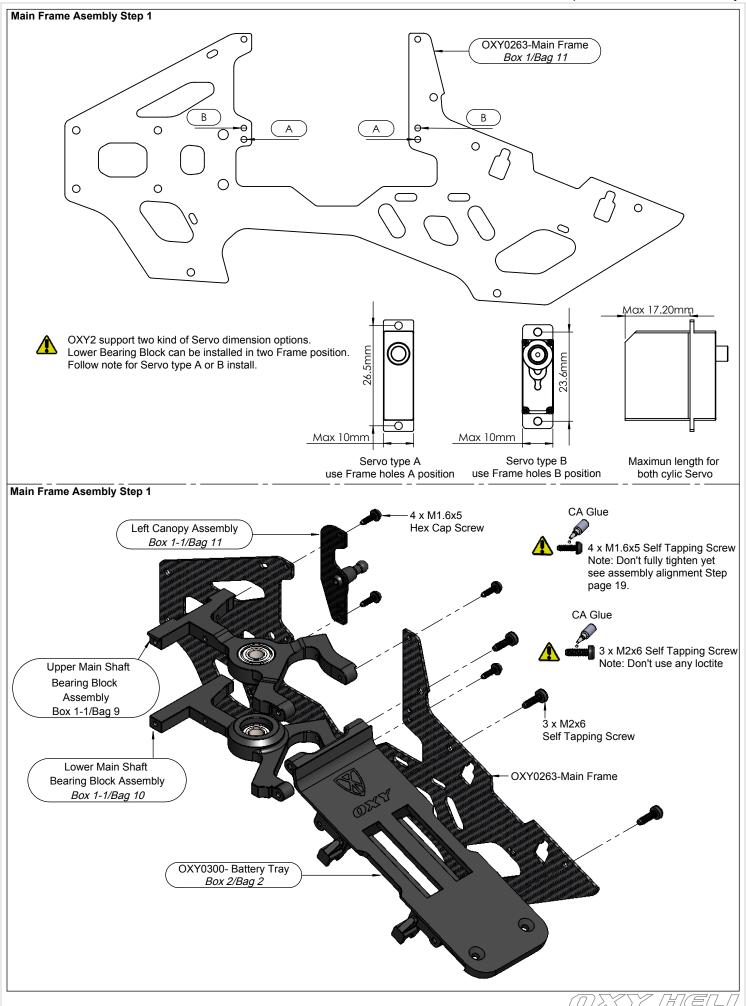
OXY2 support two size of motor fitting (13mm/M2 and 19mm/M2.5), choose the correct holes dependig on the used Motor.

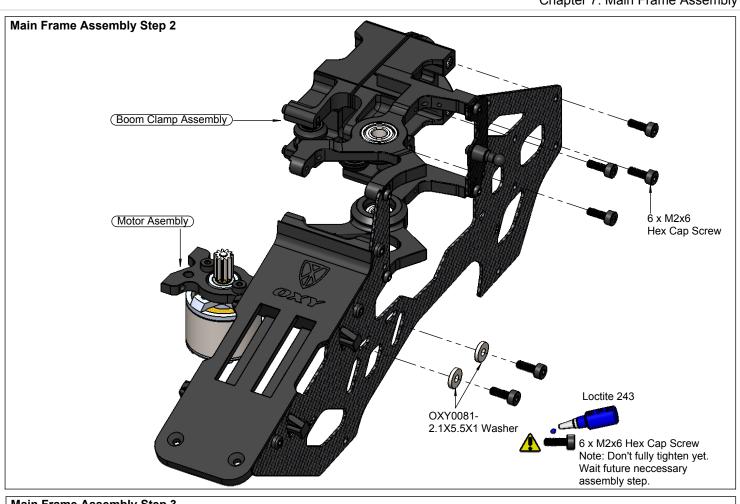


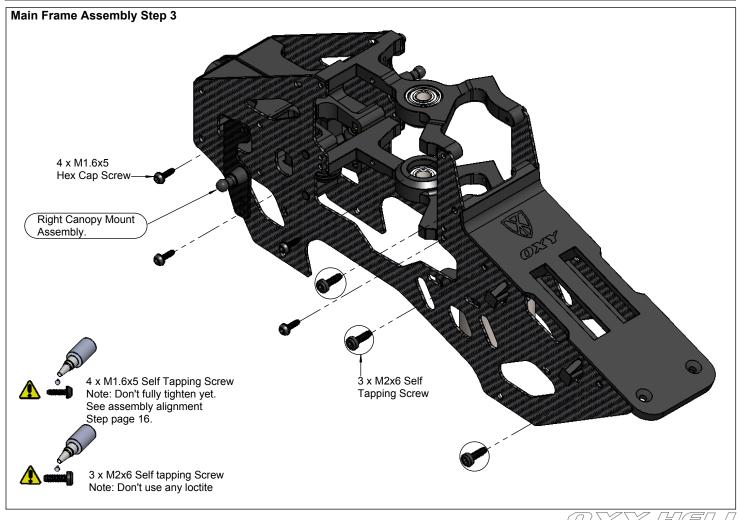
Use Hex Cap Screw M2x5 for 13mm holes Use Button Head Screw M2.5x5 for 19mm holes

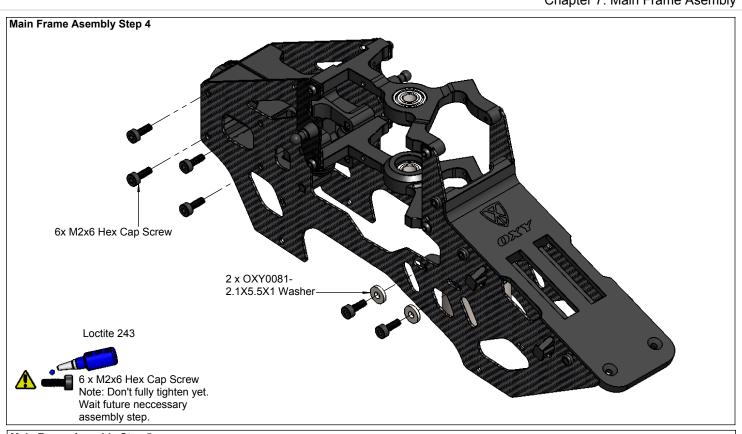


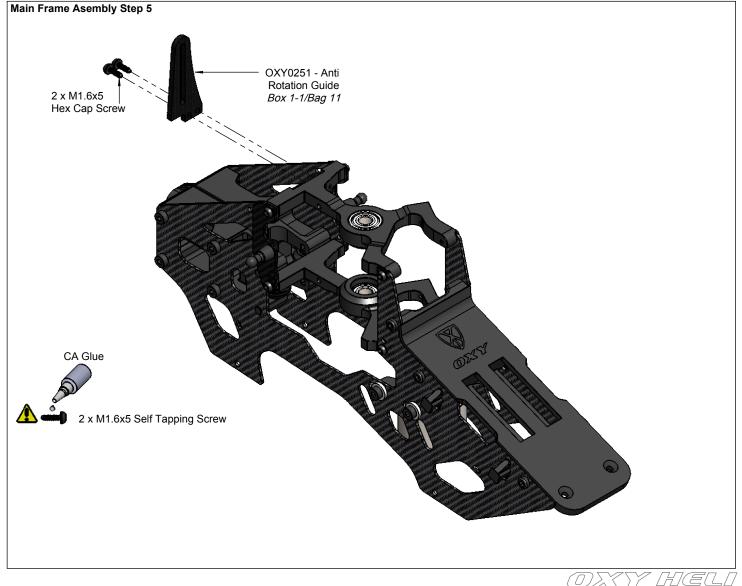


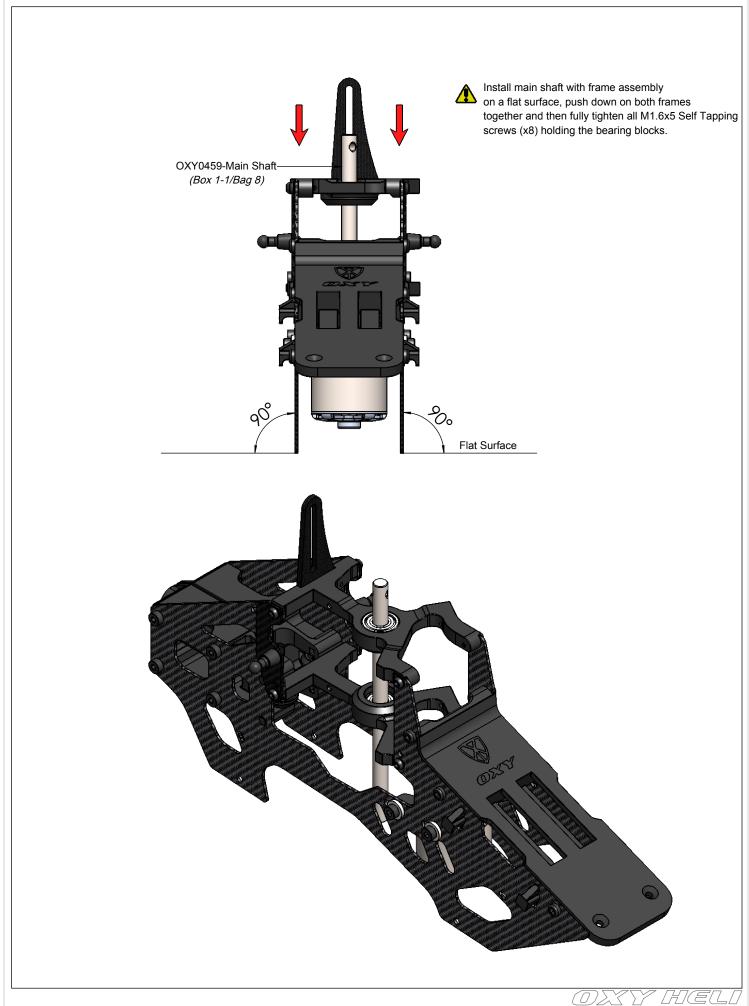


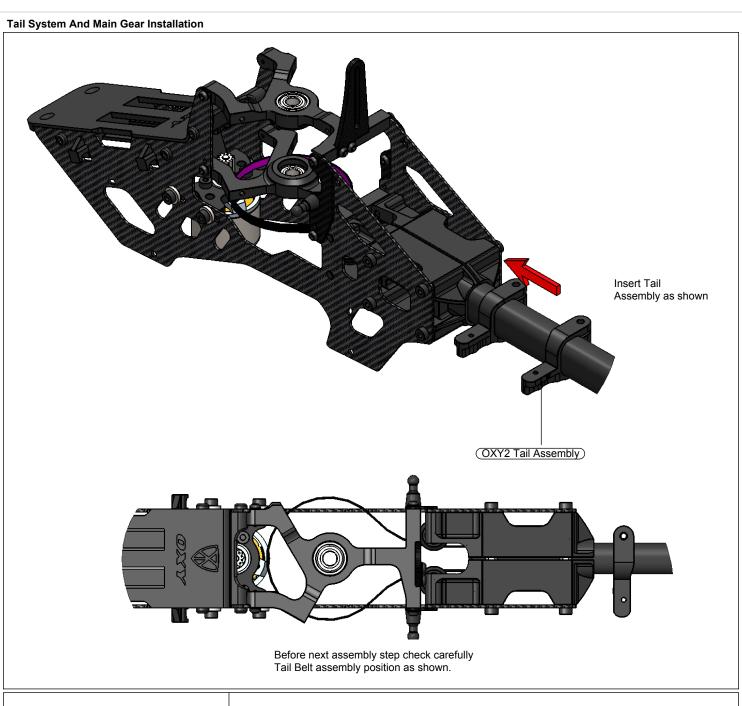


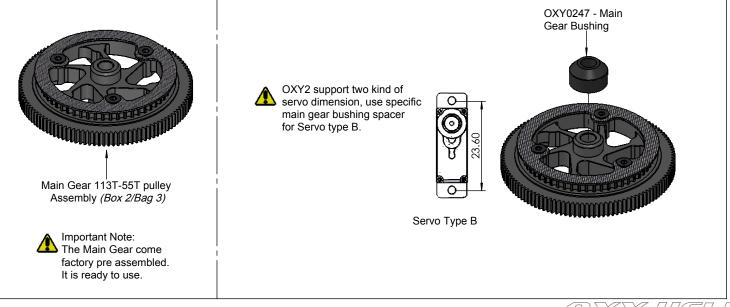


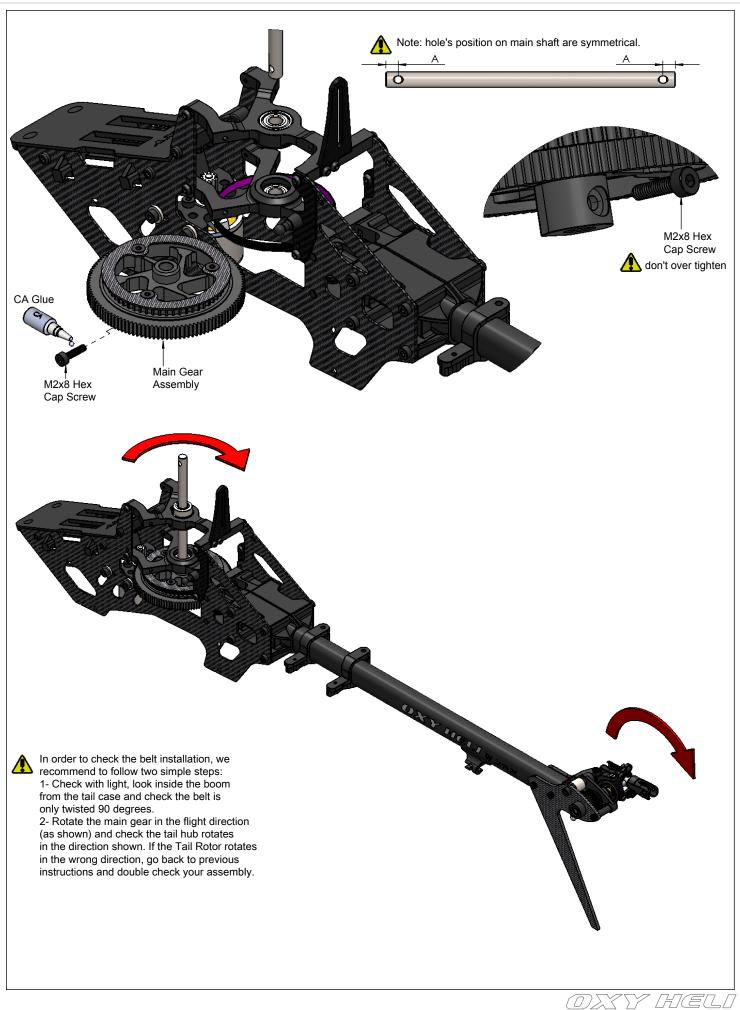




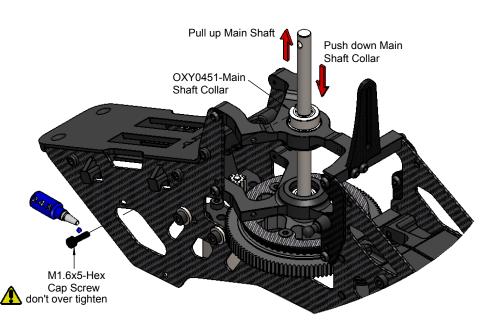






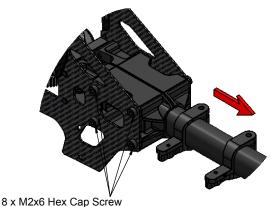


Main Shaft Collar and Tail Belt tensioning.



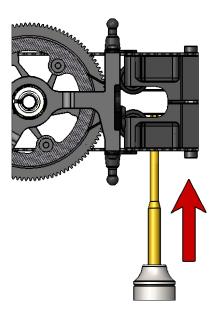


Tail Belt Pulley Note: Before tensioning Tail Belt, check if correctly positioned in both Belt Pulleys.





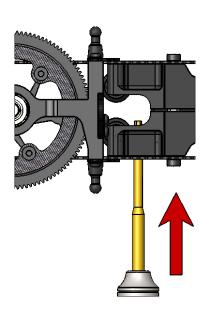
- Be sure the boom is assembled and installed correctly.
- Loosen the tail boom by loosening the eight M2x6 Hex Cap Screws.
- Adjust the Belt tension by pulling on the Tail Boom.
- Tighten the eight M2x6 Hex Cap Screws.
- The belt must have good tension. We suggest re-checking after a few flights. We 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.



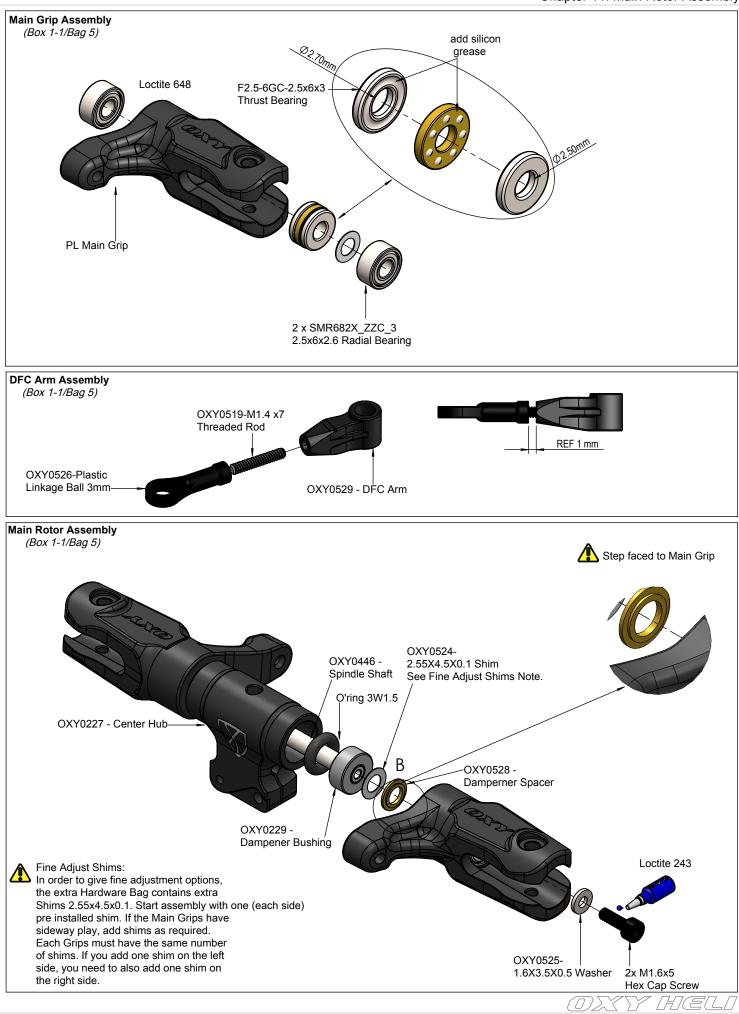


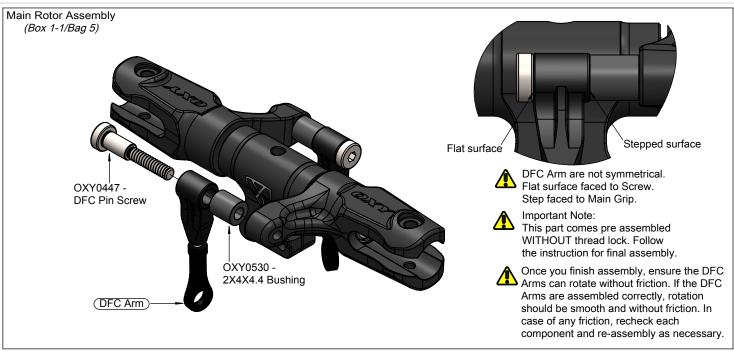
Use a Screw Driver to check Belt Tension (suggested max deflection is 1mm)

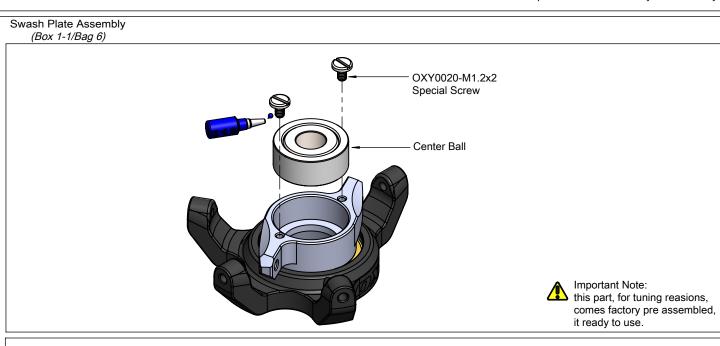
- Note: We recommend a tight Belt tension.
- If spool up get difficult, may Tail Belt is over tight, recheck and eventually loose Belt tension little bit
- Check the Belt tension again after the first 2 flights.
- With a new Tail Belt, when the head is rotated slowly, it is normal to hear a tooth sound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

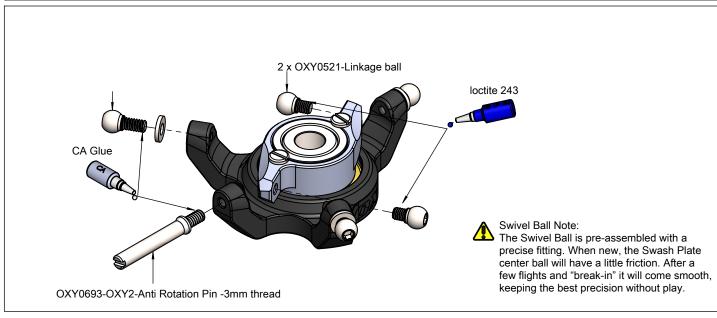


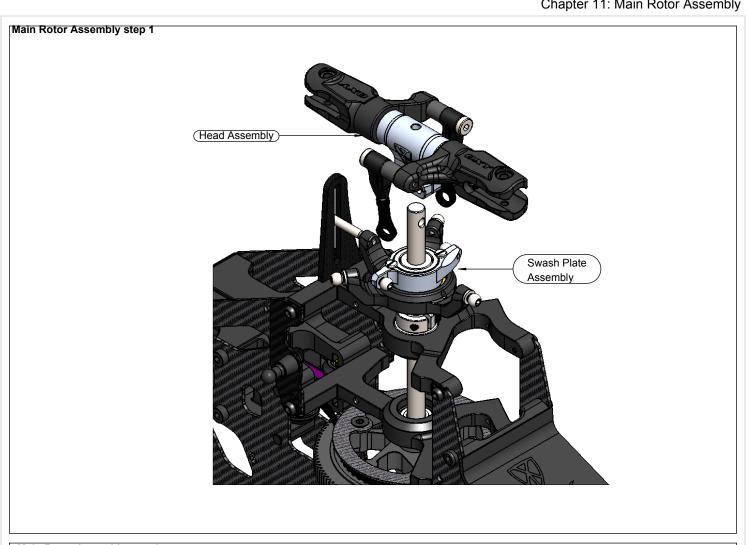
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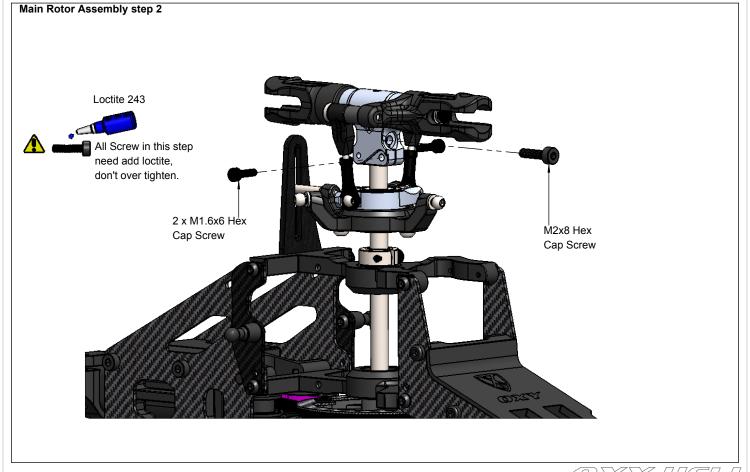


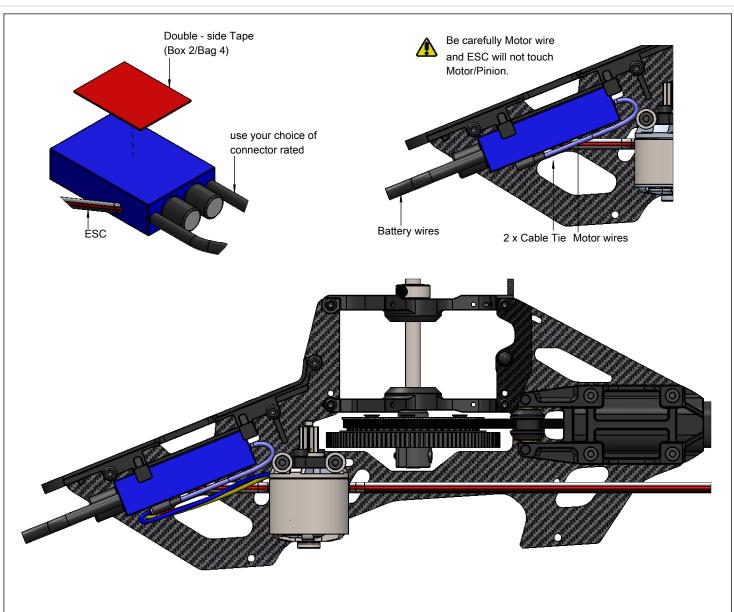


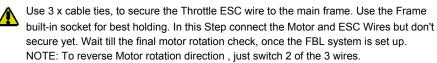


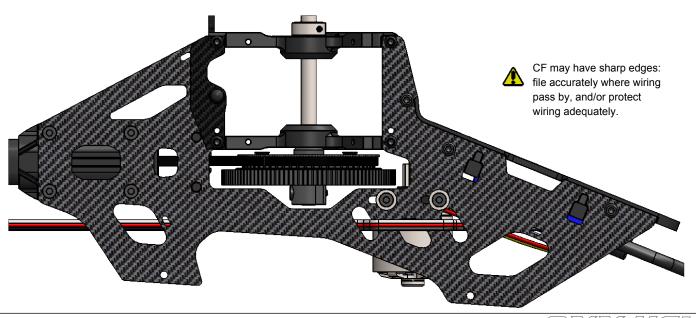


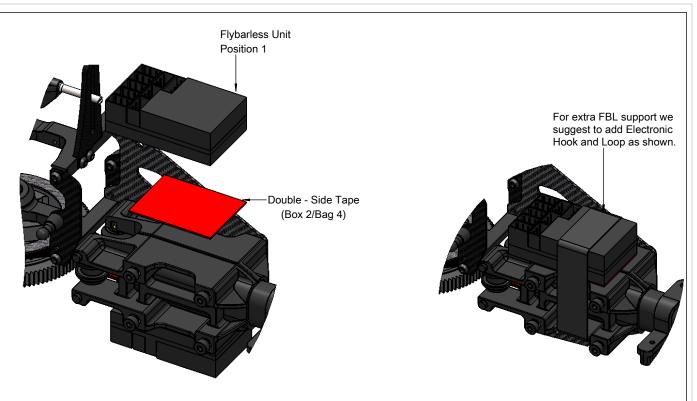






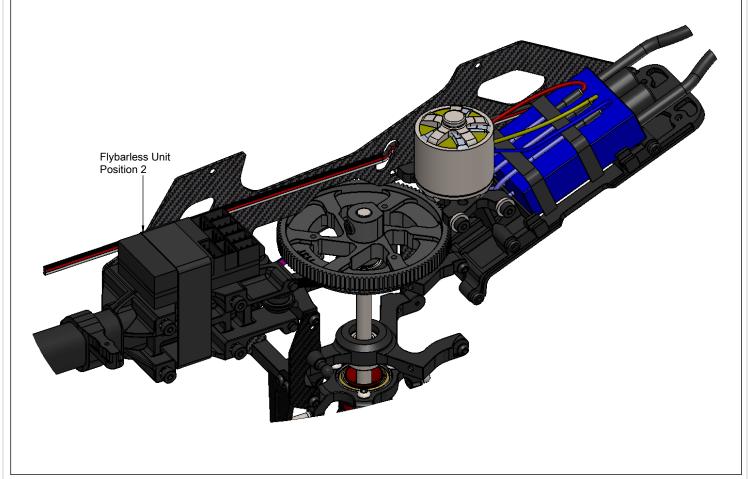








The FBL system can be installed at the bottom or top of the boom clamp. We suggest to use the bottom for easy wiring and servo removal.



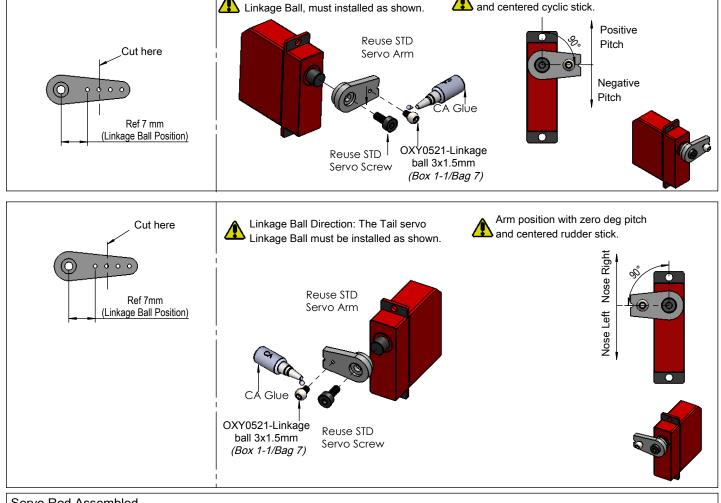
Arm position with zero deg pitch

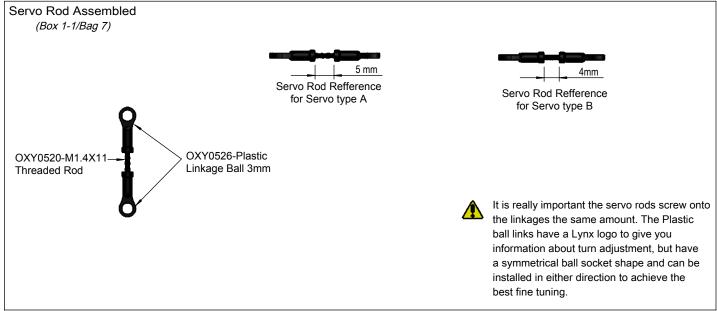
- You should now do some initial setup of your FBL unit and servos.

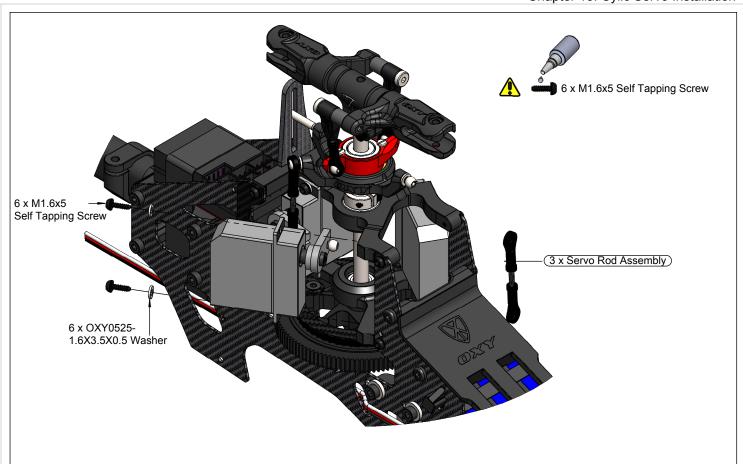
Cyclic Servo.

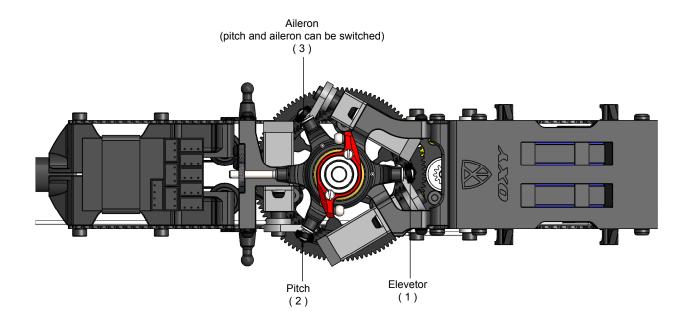
- We recommend you select a new model in your transmitter, and reset your FBL unit and start with a clean setup in it as well.
- After binding your transmitter to the receiver system used with the FBL unit, work your way through the FBL setup instructions to the point you plug in your servos.
- Now set 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 Direction: cyclic servo

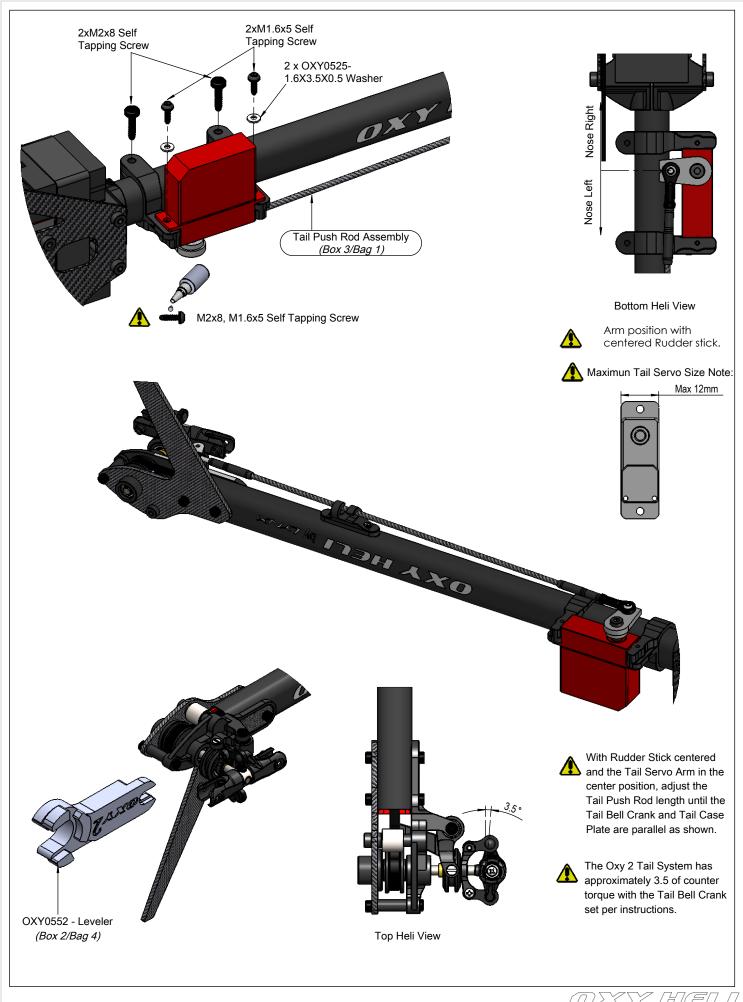


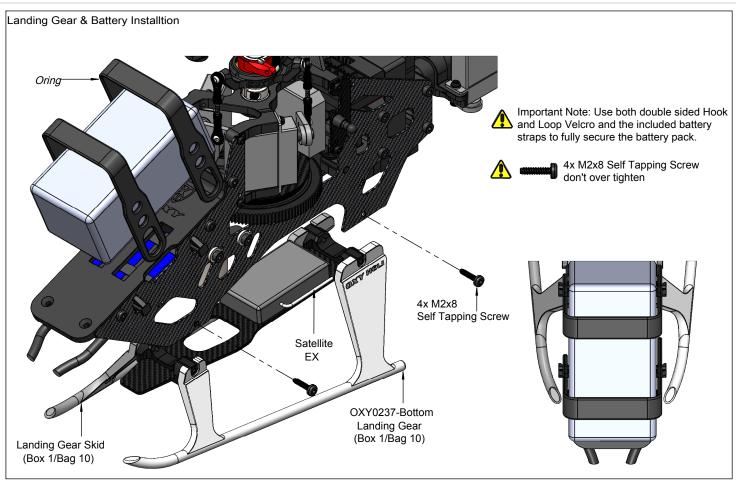


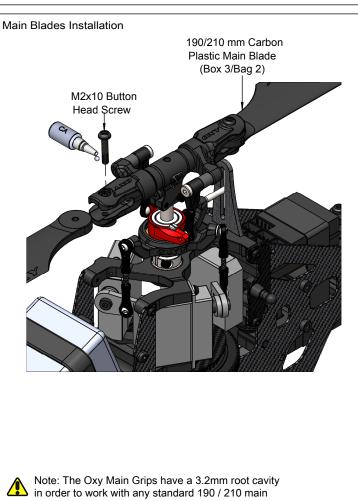




Servo Layout









blade root.

Before Fly:

Now complete the setup of your FBL system. In the Accessories Bag you will find an Oxy 3 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 2 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.

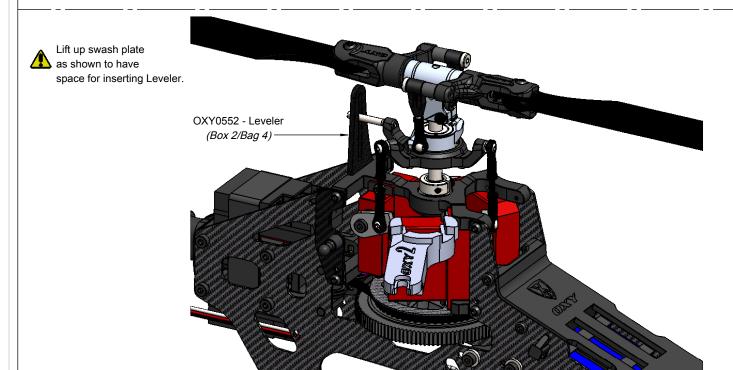
See our table on page 15 for RPM and Pitch Settings. Cyclic Max pitch should be +/- 10.5 deg.

Tail Set Up:

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

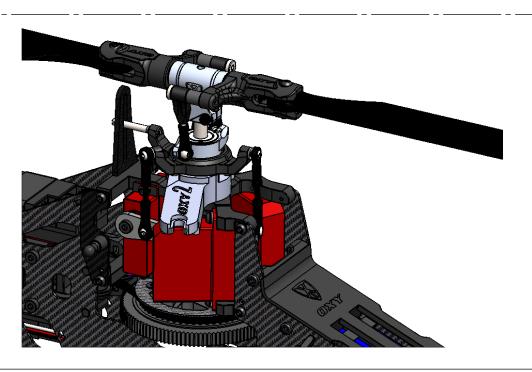
IKON / Brain = 20%

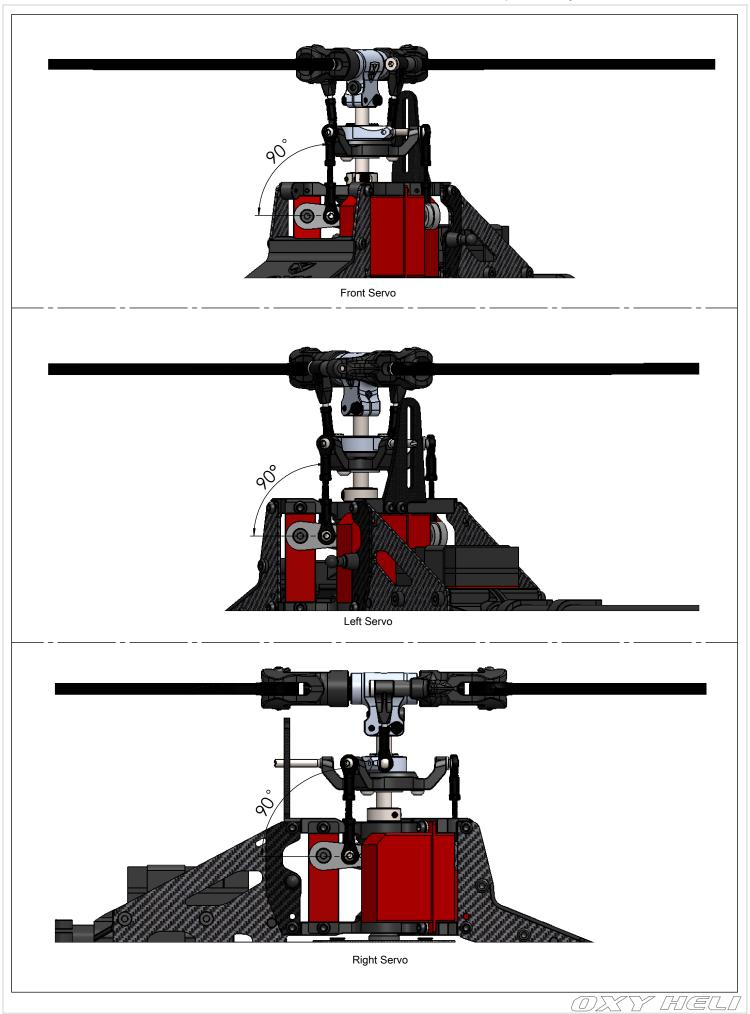
Mini V-Bar = 250 Heli suggested gain.





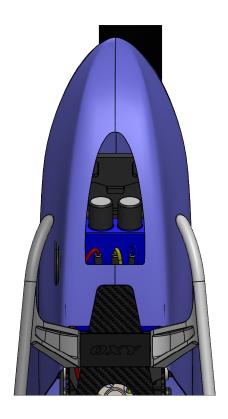
Lift Swash Plate down untill Swash Plate touch Leveler as shown.

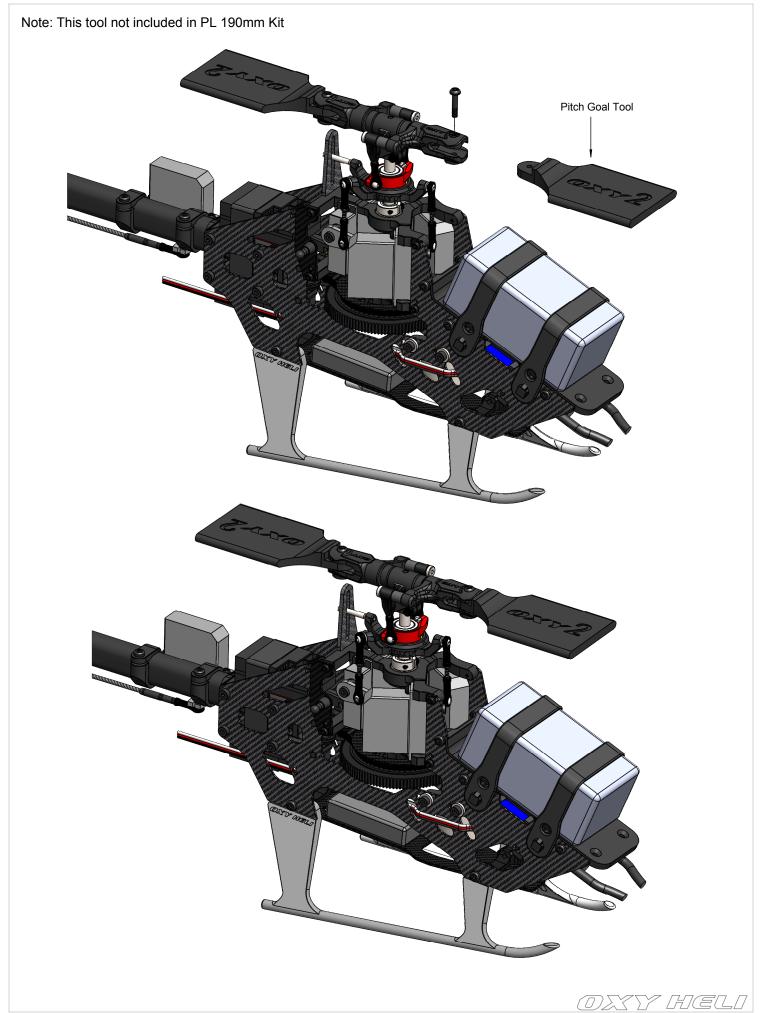


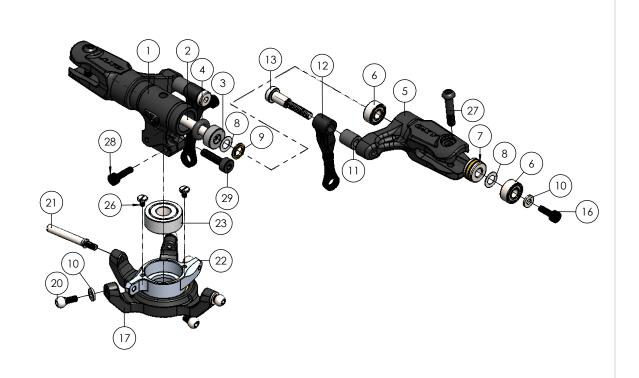




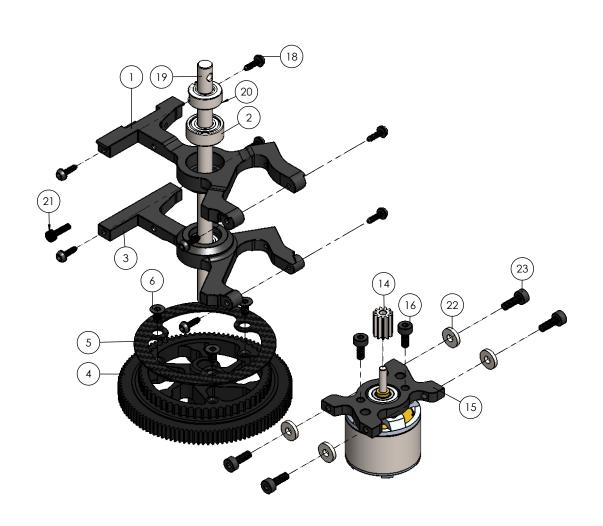
Oxy 2 Sport Lexan Canopy Temperature Range Warning:
Because Lexan Canopy is produced by thermoforming, the material used cannot be exposed temperature over 60 deg C (140 deg F).
We recommend, on very hot days, avoid to leave the canopy inside a closed car under direct sun for long time.
We recommend to don't use any hot air gun direct on the canopy.



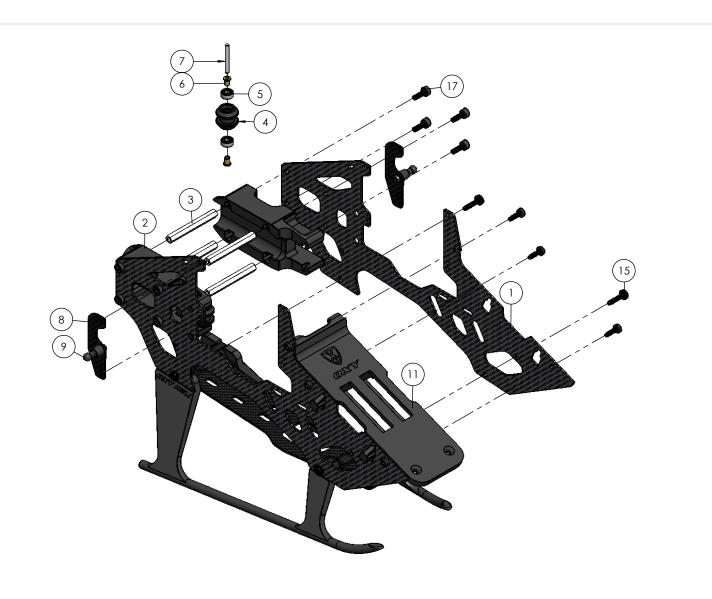




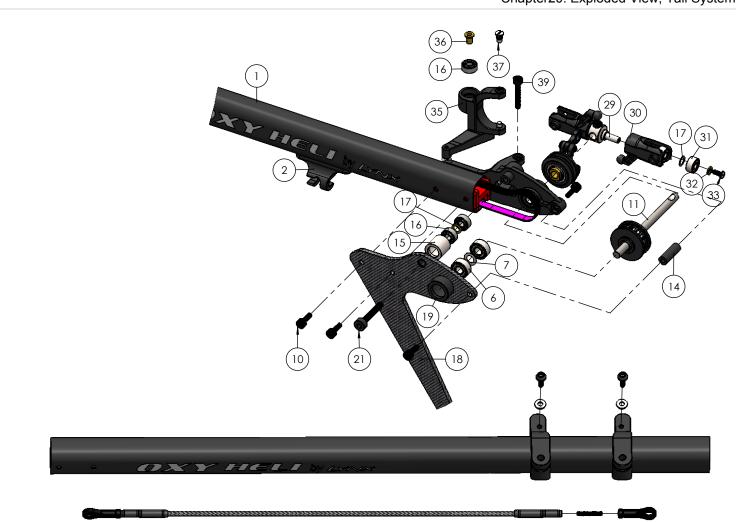
POS	PartNo	DESCRIPTION	QTY.
1	OXY0227	OXY2-CENTER HUB	1
2	OXY0446	OXY2 Sindle Shaft	1
3	OXY0229	OXY2-Dampener Bushing	2
4	OR3W1.5	Oring ID3x1.5	2
5	OXY0619	OXY2-PL Main Grip	2
6	SMR682Z-ZZ	2.5X6X2.6 Radial Bearing	4
7	F2.5-6GC	2.5x6x3 Thrust Bearing	2
8	OXY0524	2.55x4.5x0.1 Shim	4
9	OXY0528	OXY2-Damperner Spacer	2
10	OXY0525	1.6x3.5x0.5 Washer	5
11	OXY0530	OXY2-2x4X4.4 Bushing	2
12	OXY0529	OXY2-DFC Arm	2
13	OXY0447	OXY2-DFC Pin Screw	2
14	OXY0519	Threaded Rod M1.4X7mm	2
15	OXY0526	Plastic Linkage Ball 3mm	2
16	TCEM1.6X5	M1.6X5 Hex Cap Screw	2
17	OXY0598	OXY2-PL Lower Swash Plate	1
18	MR6700 ZZC	10X15W4 Radial Bearing	1
19	OXY0111	M1.6X3 BUTTOM SCREW	3
20	OXY0628	3mm Steel Ball 3mm thread long	3
21	OXY0693	OXY2-Anti Rotation PIN	1
22	OXY0233	OXY2-Upper Swash Plate	1
23	OXY0016	Ball Holder	1
24	OXY0017	Center Ball	1
25	OXY0521	Linkage ball 3x1.5mm - DR1265	2
26	OXY0020	M1.2x2 Special Screw	2
27	OXY0078	M2X10 BUTTOM SCREW	2
28	TCEM1.6X6	M1.6x6 Hex Cap Screw	2
29	TCEM2X8	M2X8 Hex Cap Screw	1
page 36			



POS	PartNo	DESCRIPTION	QTY.
1	OXY0602	Upper Main Shaft Bearing Block	1
2	MR104_ZZC	4X10X4 RADIAL BEARING	2
3	OXY0603	Lower Main Shaft Bearing Block	1
4	OXY0690	113T-55T Pulley Strait Main Gear	1
5	OXY0538	CF Main Gear Cover	1
6	FHSM2X4	M2x4 Flat Head Screw	3
14	OXY0744	OXY2-11T 0.4M 2mm Shaft Straight Pinion	1
15	OXY0238	OXY2-MOTOR MOUNT	1
16	TCEM2X5	M2X5 HEX CAP SCREW	2
17	OXY0263	OXY2-Main Frame	1
18	TBESM1.6x5	M1.6x5 Self Tapping Screw	8
19	OXY0459	OXY2-Main Shaft	1
20	OXY0451	OXY2-Main Shaft Collar	1
21	TCEM1.6X6	M1.6x6 Hex Cap Screw	1
22	OXY0081	2.1X5.5X1 WASHER	4
23	TCEM2X6	M2X6 Hex Cap Screw	4



POS	PartNo	DESCRIPTION	QTY.
1	OXY0263	OXY2-Main Frame	2
2	OXY0452	OXY2-Boom Clamp	2
3	OXY0453	Boom Lock Rod	4
4	OXY0623	OXY2-Pulley Guide Belt	2
5	MR52-W2	2X5X2 Radial Bearing	4
6	OXY0460	OXY2 Bell Crank Bushing	4
7	OXY0089	PIN 1.5X9.6	2
8	OXY0461	OXY2-Break Away Canopy	2
9	OXY0601	Canopy Mount	2
10	TBESM1.6x5	M1.6x5 Self Tapping Screw	2
11	OXY0300	OXY2- Battery Tray	1
12	OXY0237	OXY2-Bottom Landing Gear	1
13	OXY0240	OXY2-Right Landing Gear	1
14	OXY241	OXY2-Left Landing Gear	1
15	TBES2X8	M2X8 Self Tapping Screw	4
16	TBES2X6	M2X6 Self Tapping Screw	6
17	TCEM2X6	M2X6 Hex Cap Screw	8
page 38			



POS	PartNo	DESCRIPTION	QTY.	POS	PartNo	DESCRIPTION	QTY.
1	OXY 0578	OXY 2 Tail Boom STD (Black)	1	22	OXY 0607	OXY2-Tail Pitch Slider Ring	1
2	OXY 0622	OXY 2-TE Guide Push Rod	1	23	MR683	3x7x2 Radial Bearing	2
3	OXY 0539	M2.5 Pin Screw	2	24	OXY 0457	OXY 2-Tail Pitch Slider Bushing	1
4	OXY 0258	OXY 2-Tail Case Center	1	25	OXY 0608	Tail Pitch Slider Halffmoon	1
5	OXY 0513	OXY 2-Plastic Side Case	1	26	OXY 0522	OXY 2-Link Control	2
6	SMR682Z-ZZ	2.5X6X2.6 Radial Bearing	4	27	OXY 0523	OXY2-Link Control Buhing	2
7	OXY 0524	2.55x4.5x0.1 Shim	3	28	PanM1.4x5	M1.4x5 Pan Head Screw	2
8	OXY 0514	OXY 2-Tail Case Stiffener	1	29	OXY 0253	OXY 2-Tail Hub	1
9	B305MXL	305T W2.5 Timing Belt	1	30	OXY 0624	OXY 2-PL Tail grip	2
10	TCEM1.6X5	M1.6X5 Hex Cap Screw	6	31	SMR682-ZZ	2X5X2.3 Radial Bearing	4
11	OXY 0256	OXY 2-TAIL SHAFT	1	32	OXY 0551	1.5x2.8H0.4 Washer	2
12	OXY 0458	OXY 2-16T MXL TAIL PULLEY	1	33	PanM1.4x3	M1.4x3 Pan Head Screw	2
13	OXY 0456	OXY 2-Tail Flange Pulley	2	34	SCM3x3	Flat-Tip Set Screw M3x3	1
14	OXY 0540	OXY 2-Tail Case Rod	1	35	OXY 0604	OXY 2-Tail Bell Crank	1
15	OXY 0515	OXY 2-Tensioner Bushing	1	36	OXY 0460	OXY 2 Bell Crank Bushing	2
16	MR52-W2	2X5X2 RA DIA L BEARING	4	37	OXY 0448	OXY2-Bell Crank Pin Screw	2
17	OXY 0527	2x3.5x0.1 Shim	3	38	OXY 0628	3mm Steel Ball 3mm thread long	1
18	OXY 0745	OXY 2 Vertical Fin PL Tail Case Version	1	39	TCEM1.6X10	M1.6X10 Hex Cap Screw	1
19	OXY 0279	OXY 2-Vertical Fin Bushing	1	40	OXY 0605	OXY2-Tail Servo Support	1
20	OXY 0516	2x3.5x2.2 Bushing	1	41	OXY 0606	OXY2-Tail Servo Support	1
21	TCEM2X12	M2X12 Hex Cap Screw	1	42	OXY 0450	OXY2-Front Boom Insert	



SP-OXY2-143-OXY2-**CNC Aluminum Center Hub, Silver**



- 1 x OXY2-Center Hub 2 x M1.6x6 Hex Cap Screw
- 1 x M2X8 Hec Cap Screw

SP-OXY2-112 OXY2 - PL Main Grip, Set



- 2 x OXY2- Main Grip 4 x 2.5X6X2.6 Radial Bearing
- 2 x 2.5x6x3 Thrust Bearing
- 2 x 2.55x4.5x0.1 Shim
- 2 x M2X10 Buttom Screw

SP-OXY2-003 - OXY2 -Damperner, Set



- 2 x OXY2-Damperner Spacer
- 2 x 2.55x4.5x0.1 Shim
- 2 x OXY2-Dampener Bushing
- 2 x O'ring ID3x1.5

SP-OXY2-004 - OXY2 -Plastic DFC Arm, Set



- 2 x OXY2-DFC Arm
- 2 x Threaded Rod M1.4X7mm
- 2 x Plastic Linkage Ball 3mm

SP-OXY2-005 -3 mm Linkage Ball, 10Pcs



10 x Plastic Linkage Ball 3mm

SP-OXY2-006 -





10 x M1.4X11 Threaded Rod

SP-OXY2-007 -OXY2 - Main Shaft, 2 PCS



- 2 x OXY2-Main Shaft
- 1 x OXY2-Main Shaft Collar
- 1 x M1.6x6 Hex Cap Screw 4 x M2X8 Hex Cap Screw

SP-OXY2-008 - OXY2 -Spindle Shaft, 2 Set



2 x OXY2 Sindle Shaft 4 x 1.6x3.5x0.5 Washer

4 x M1.6X5 Hex Cap Screw

SP-OXY2-009 -3mm Steel Ball, 10 PCS



10 x Linkage ball 3x1.5mm

SP-OXY2-010 - OXY2 -Swash Plate, Service Bag



- 1 x Ball Holder 1 x Center Ball
- 2 x M1.2x2 Special Screw

SP-OXY2-113 OXY2 - PL Swash Plate, Set



- 1 x OXY2-Lower Swash Plate
- 1 x OXY2-Upper Swash Plate
- 1 x 10X15W4 Radial Bearing
- 1 x Center Ball
- 1 x Ball Holder
- 2 x M1.2x2 Special Screw
- 1 x OXY2-Anti Rotation Pin
- 1 x Linkage ball 3x1.5mm

SP-OXY2-013 - OXY2 -Main Grip Service Bag



- 4 x 2.5X6X2.6 Radial Bearing
- 2 x 2.5x6x3 Thrust Bearing
- 2 x 2.55x4.5x0.1 Shim
- 2 x M2X10 Button Screw

SP-OXY2-058 - OXY2 - DFC Pin Screw, Set



2 x OXY2-DFC Pin Screw 2 x OXY2-2x4X4.4 Bushing

SP-OXY2-099

Linkage Ball ø 3x6mm, 10Pc



10 x ø 3x6mm

SP-OXY2-125

OXY2 - PL Main Grip Spare, 4Pcs



4 x PL Main Grip

SP-OXY2-129 OXY2 - DFC Spare, 4Pcs



4 x DFC

SP-OXY2-130

Threaded Rod M1.4x7 , 10Pcs



10 x M1.4x7 Threaded Rod





SP-OXY2-014 - OXY2 -Anti Rotation Guide



1 x OXY2-Anti Rotaion Guide

SP-OXY2-114

OXY2 - PL Main Shaft Bearing Block, Set



- 1 x Upper Main Shaft Bearing Block
- 9 x M1.6X5 Hex Cap Screw
- 3 x 1.6x3.5x0.5 Washer
- 1 x 4X10X4 Radial Bearing

SP-OXY2-115

OXY2 - PL Main Shaft Bearing Block Only, Set



- 1 x Lower Main Shaft Bearing Block
- 7 x M1.6X5 Hex Cap Screw
- 3 x 1.6x3.5x0.5 Washer
- 1 x 4X10X4 Radial Bearing

SP-OXY2-017 - OXY2 -Motor Mount, Set



- 1 x OXY2 Motor Mount
- 6 x M2X6 Hex Cap Screw
- 4 x 2.1X5.5X1 Washer
- 2 x M2.5x5 Button Screw

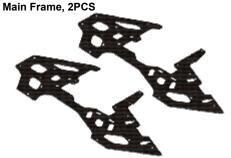
SP-OXY2-116

OXY2 - 113T Straight Main Gear



- 1 x CNC Main Gear 55t Pulley
- 1 x CF Main Gear Cover
- 3 x M2x4 Flat Head Screw
- 1 x M2X8 Hex Cap Screw

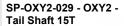
SP-OXY2-019 -OXY2 -



2 x OXY2-Main Frame









- 1 x OXY2-Tail Shaft 1 x 15T Tail Pulley
- 2 x OXY2-Tail Flange Pulley 4 x 2.55x4.5x0.1 Shim
- SD OVV2 117

SP-OXY2-117 OXY2 - PL Tail Grip, Set



- 2 x OXY2-PL Tail Grip
- 4 x 2X5X2.3 Radial Bearing
- 2 x 2x3.5x0.1 Shim
- 2 x M1.6x8 Hex Cap Screw

SP-OXY2-030 - OXY2 - Tail Shaft 16T



- 1 x OXY2-Tail Shaft
- 1 x 16T Tail Pulley
- 2 x OXY2-Tail Flange Pulley
- 4 x 2.55x4.5x0.1 Shim

SP-OXY2-033 - OXY2 -Tail Rotor - Service Bag



- 4 x 2X5X2.3 Radial Bearing
- 2 x 2x3.5x0.1 Shim
- 2 x Linkage ball 3x1.5mm
- 2 x M1.6x8 Hex Cap Screw

SP-OXY2-031 - OXY2 -Tail Rotor Hub, Spare



- 1 x OXY2-Tail Hub
- 2 x M1.4x3 Pan Head Screw
- 2 x 1.5x2.8H0.4 Washer
- 1 x Set Screw M3x3

SP-OXY2-118 OXY2 - PL Tail Bell Crank



- 1 x OXY2-PL Tail Bell Crank
- 2 x 2X5X2 Radial Bearing
- 2 x OXY2-Bell Crank Pin Screw
- 1 x Linkage ball 3x1.5mm
- 2 x OXY2 Bell Crank Bushing
- 1 x M1.6X10 Hex Cap Screw

SP-OXY2-119 OXY2 - PL Tail Case



1 x PL Tail Case

- 2 x 2.5X6X2.6 Radial Bearing
- 1 x 2.55x4.5x0.1 Shim
- 1 x M1.6X10 Hex Cap Screw
- 4 x M1.6X5 Hex Cap Screw
- 1 x Tail Case Rod

SP-OXY2-036 - OXY2 -CNC SST Tail Belt Tensioner



1 x OXY2-Tensioner Bushing

- 2 x 2X5X2 Radial Bearing
- 1 x 2x3.5x0.1 Shim
- 1 x M2X12 Hex Cap Screw

SP-OXY2-131 OXY2-Vertical Fin for PL Tail Case, Set



1 x OXY2-Vertical Fin

- 1 x 2x3.5x2.2 Bushing
- 1 x OXY2-Vertical Fin Bushing

OXY2-FE - Stretch Tail Push Rod

- 2 x 2.5X6X2.6 Radial Bearing
- 1 x 2.55x4.5x0.1 Shim

SP-OXY2-083

3 x M1.6X5 Hex Cap Screw

SP-OXY2-120 OXY2 - PL Tail Pitch Slider



2 x OXY2-Tail Pitch Slider Bushing

- 2 x OXY2- Tail Pitch Slider Ring
- 4 x 3x7x2 Radial Bearing
- 2 x OXY2-Tail Pitch Slider Haft Moon
- 4 x M1.4x5 Pan Head Screw

SP-OXY2-040 - OXY2 -Tail Pitch Slider - Service Bag



1 x std tail push Carbon Rod

- 2 x OXY2-Tail Push Rod Terminal
- 2 x Plastic Linkage Ball 3mm
- 2 x Threaded Rod M1.4X7mm
- 1 x Guide Push Rod
- 2 x M2.5 Pin Screw

SP-OXY2-042 - OXY2 -CNC Aluminum Tail Servo Mount- Set



SP-OXY2-043 - OXY2 -Tail Case Hub, Set

2 x OXY2-Link Control

2 x OXY2-Link Control Buhing

2 x M1.4x4 Pan Head Screw



SP-OXY2-082

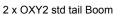
OXY2 - Stretch Tail Boom, 2Pcs



2 x CNC Tail Servo Mount

- 2 x 1.6x3.5x0.5 Washer
- 4 x M1.6X5 Hex Cap Screw

1 x OXY2-Tail Case Center 4 x M1.6X5 Hex Cap Screw

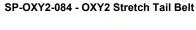


SP-OXY2-065 - OXY2 -Tail Bell Crank - Service Bag



2 x OXY2-Bell Crank Pin Screw

- 1 x Linkage ball 3x1.5mm
- 1 x M1.6X10 Hex Cap Screw





1 x 330T Timing Belt

1 x Front Boom Insert

		Chapter 21: Spare Parts
SP-OXY2-012 - OXY2 - Blade Holder	SP-OXY3-015 OXY2/3/4 - Battery Oring , 4PC	SP-OXY2-045 - OXY2 - 190mm Carbon Plastic Main Blade
A of the state of	3000	
1 x OXY2 Blader Holder	4 x Oring 55W2.5	2pcs 190mm Carbon Plastic Main Blade
SP-OXY2-046 - OXY2 - 38mm Tail Blade, Black	SP-OXY2-047 - OXY2 - 41mm Tail Blade, Black	SP-OXY2-139 OXY2 - Straight Pinion 11T, 12T - 2mm Motor Shaft
2pcs 38mm Tail Blade, Black	2pcs 41mm Tail Blade, Black	1 x Pinion 11T 2mm Motor Shaft 1 x Pinion 12T 2mm Motor Shaft
SP-OXY2-140	SP-OXY2-141	SP-OXY2-142
OXY2 - Straight Pinion 13T, 14T 2mm Motor Shaft	OXY2 - Straight Pinion 11T, 13T	OXY2 - Straight Pinion 15T, 17T
	2.5mm Motor Shaft	2.5mm Motor Shaft
1 x Pinion 13T 2mm Motor Shaft 1 x Pinion 14T 2mm Motor Shaft	1 x Pinion 11T 2.5mm Motor Shaft 1 x Pinion 13T 2.5mm Motor Shaft	1 x Pinion 15T 2.5mm Motor Shaft 1 x Pinion 17T 2.5mm Motor Shaft
SP-OXY2-064 - OXY2 - 3D Leveler Tool	SP-OXY2-063 - OXY2 - Fiber Glass Canopy Schema # 1	SP-OXY2-061 - OXY2 - Vertical Fin Sticker White
	over over 1	
1 x Leveler Tool	1 x Orange Canopy	1 x Vertical Fin Sticker White
		OXY HELI

SP-OXY2-062 - OXY2 -	SP-OXY2-059 - OXY2 -	SP-OXY2-060 - OXY2 -
Vertical Fin Sticker Green	Vertical Fin Sticker Yellow	Vertical Fin Sticker Orange
1 x Vertical Fin Sticker Green	1 x Vertical Fin Sticker yellow	1 x Vertical Fin Sticker Orange