





### VERY IMPORTANT NOTE:

- Oxy Team continue work on manual update to give the most and recent assembly and set up, visit the Oxy Heli web site lynxheli.com (Products/Oxy Heli/ Kits/ select your kit) to download the latest version of the manual.
- Inside Box 3 you will find your serial number card and serial number tag. Please take a moment to visit the lynxheli.com web site ((Products/Oxy Heli/ Kits/ select your kit) 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 5 Helicopter.



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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.







# OXY 5 - FLIGHT STYLE / HEAD / TAIL SETTINGS

In order to choose the best setup for your OXY 5, and optimize performance, it is important to know some basic information:

1- Battery Pack you intent to use - (from 6S to 12S)

2- The Motor Kv - See your motor specifications.

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

Or use this simple formula:

Theoric Max RPM =  $\frac{((N \text{ Cell } x 4.00) \times KV \text{ Motor})}{(Main \text{ Gear } T / Pinion T)}$ 

If you use governor, in order to assure that RPM will be constant during the flight, set a gear ratio to have theory Maximum RPM approximately 10% higher than you're expected governed RPM. Your TX Throttle value should be set between 75 to 85%

Example: Target RPM Governed at 80% throttle value = 2000, theory Max RPM should be approx. 2200.

This formula and value can be affected by many factors such: Battery quality, Battery C Rate, Motor Power and Flight Style.

In any case can give you basic information choosing your Motor KV and Pinion (Gear Ratio).

Table below will give you basic suggestion about RPM and Tail Setting (tail pulley / tail ratio) in order to guide on your OXY 5 Flight Style needs.

Main Blade	Motor	Battery	Flight Style	Head	Speed	Max Pitch	Tail Pulley	Tail Blade	Dampeners
500 / 525	40/15-20	6s 3500	Novis	1900	2300	+ / - 10	18	<mark>8</mark> 5	HSS
			Soft 3D	2300	2600	+ / - 12	19	85	HSS
			Hard 3d	2600	2900	+ / - 14	19	85	HHS
550 / 560	40/20-25	6s 5000 12s 3000	Novis	1800	2000	+ / - 10	18	95	HSH
			Soft 3D	2000	2400	+ / - 12	19	95	HSH
			Hard 3d	2400	2600	+ / - 14	19	<mark>9</mark> 5	HHH
570	40/20 to 30 42/25	6s 5000 12s 4000	Novis	1700	2000	+ / - 10	18	95	HSH
			Soft 3D	2000	2300	+ / - 12	19	95	HSH
			Hard 3d	2300	2500	+ / - 14	19	<mark>9</mark> 5	HHH
600 / 625	40/20 to 35 42/25 45/25	6s 5000 12s 4000	Novis	1600	1900	+ / - 10	18	105	HSH
			Soft 3D	1900	2200	+ / - 12	19	105	HHH
			Hard 3d	2200	2500	+ / - 14	19	105	RIGID

Above information are basic average suggestion.

Dampener Legend (read Ring Hardness from Main Shaft to Main Blade direction). For Example HSH = Inner O-Ring Hard / Midle O-Ring Soft / Externa O-Ring Hard

# **OXY 5 - ELECTRONICS AND POWER SUGGESTIONS**

Head Speed Note: Although OXY 5 can handle very high Head Speed, we suggest not to exceed the maximum RPM on the table above, to maintain a good compromise between performances and efficiency. Tail Settings, see above Info and Table: "Flight Style - Head - Tail Settings"

# CONFIGURATION EXAMPLES:

Since the OXY 5 is a high performance 3D RC helicopter, we suggest using high quality electronics and power components including Servos, FBL, Motor, Battery and ESC.OXY 5 from box is designed to use Cyclic Standard Size Servo and Rudder Standard or Mini Size Servo, however thanks a simple optional bracket system can use Cyclic Mini Size Servo. From our test we can suggest Cyclic Mini Size Servos for Main Blade from 500 to 560 and Standard Servo Size from 550 to 570, in any case is hard for us give a precise direction, because in the end we don't know your personal flight performance. In any case our basic direction cannot be wrong. Remember that OXY 5 like any other top performance Heli require light components to maximize flight time and performance. Always consider the acceleration G force in flight, few extra gram can become Kg during some maneuvers, compromising the best performance. Always choose the electronics and the power system suitable for your flight style, "more is not always better"!

## FROM OUR TEST HERE OUR ELECTRONICS SUGGESTIONS:

FROM OUR TEST HERE OUR ELECTRONICS SUGGESTIONS:

CYCLIC SERVO: (Standard Kit) : Standard HELI Size Servo- With Optional Mini Servo Bracket: Mini HELI Size Servo.

RUDDER SERVO: Standard or Mini HELI Size Servo, narrow pulse and fast throw - (Suggested Specific Rudder Servos)

BATTERY: Hard to list here all the option OXY 5 gives, however if 6S from 3500 up 5500 and if 12S from 2500 up 4000. For more information about maximum battery size, please check User Manual Page 2.

ESC: 100 to 150A

MOTOR: 4015, 4020, 4025, 4035, 4225 - 500 / 1200 KV depending on your Battery Set-Up.

FBL System: The OXY 5 is designed around the Ikon / Brain and Neo V-Bar Systems. Many other FBL systems can be used, depending on your personal choice. Boom Clamp Bottom

Side can accept any of the current FBL available.

MAIN BLADE: OXY 5 can spin 500 up to 575mm Main Blade, 4mm Screw 10 or 12mm Root.

TAIL BLADE: OXY 5 can spin 85 up to 105mm Tail Blade, 3mm Screw 4mm Root.

OUR PILOTS STANDARD SET-UP

Name	Level	Battery	ESC	Motor		Tail Pulley	Cyclic Servos	Tail Servo	FBL	Main Blade	Tail Blade	Head Speed	Dampeners Set
Aaron Wolf	Pro	6s 5100	Scorpion Tribunus 120A	Scorpion 4025-110kv	13	19	KST X20 V2-2208	KST X20 V2-1035	NEO	R-Tech 560	R-Tech 95	2400	HHH + 1 Shim
Alessandro Isella	Advance d	12s 3500	Castle Edge 120HV	700mx - 545 kv	12	19	KST BLS815	KSTBLS805x	SK 540	SAB 570	SAB 95	2400	HSH + 1 Shim
Henrik Clausen	Pro	6s 5000	IONIX 100A	RAGE 4219	13	19	MKS HV9767	MKS HV9780	NEO	R-Tech 560	R-Tech 95	2400	HSH + 1 Shim
Joe Herison	Sport	12s 3300	HW 130A V4	Quantum 4125-560kv	12	19	KST DS725MG	KST DS525MG	iKon 2/Inte	R-Tech 560	R-Tech 96	2350	HSH + 1 Shim
Luca Ursini	Advance d	6s 4400	YEP 100A	XNOVA 4020 L 1200kv	12	19	Outrage	Outrage	Brain2/BT	SAB 570	SAB 95	2350	HSH + 1 Shim
Lukas Dinger	Pro	6s 5200	Kontronik Kolibri 140LV	Pyro 650-1030kv	13	19	Deko 6295	Deko 5125	<b>DEMON</b> Axon	VTX 557	SpinBlade 95	2350	HSH + 1 Shim
Mark Alswager	Advance d	6s 5000	Kontronik Jive P120HV	XNOVA 4020 L 1200kv	12	19	MKS HBL599/HBL575	MKS X8 HBL880	NEO	VTX 557	R-Tech 93	2500	HHH + 1 Shim
Matte w Cramer	Advance d	6s 5000	Kontronik Jive P120HV	XNOVA 4020 L 1200kv	12	19	MKS HBL599/HBL575	MKS X8 HBL880	NEO	VTX 557	R-Tech 93	2500	HHH + 1 Shim
Rasmus Jakobsen	Pro	12s 2800	Scorpion Tribunus 130A	Scorpion 4025-550kv	13	19	KST X20 V2-2208	KST X20 V2-1035	NEO	SpinBlade 570	SpinBlade 95	2650	HsH + 1 Shim
Rich Knapp	Sport	6s 5000	HW 130A V4	XNOVA 4020 -1000kv	12	19	KST DS589MG	BK DS-5005HV	Brain 2/BT	VTX 557	R-Tech 96	2000	HSH + 1 Shim

Above information are personal preference of our Test Pilot, brands and electronics set up are just for information purpose.



















# Frame Set Assembly Parts 1/2









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#### Chapter 9: Main Gear Assembly

















Use a Screw Driver to check Belt Tension (suggested max deflection is 1mm) - Note: We recommend a tight Belt tension. - If motor struggles during spool up, the belt tension may be too tight. Recheck tension and loosen slightly as needed. - 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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### Chapter 12: Main Rotor Assembly





- 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.

















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turn the key clockwise to adjust the Servo Rod and Pitch Rod longer



turn the key counter clockwise to adjust the Servo Rod and Pitch Rod Shorter









Chapter 19: Landing Gear and Battery Installation





#### Chapter 20: Main Blades & Tail Blades Installtion



Please look at Accessories for the shims you need to adjust Main & Tail Blades thickness, in the kit have included: 1 Set x OXY5 - Main Blade Plastic Spacer = 1.5mm thickness 1 Set x OXY5 - Main Blade Shim Silver = 0.5mm thickness

1 Set x OXY5 - Tail Blade Plastic Spacer = 1mm thickness

- For Main Blade have 10mm Root thickness please use Main Blade Shim PLastic 1.5mm thickness

- For Main Blade have 12mm Root thickness please use Main Blade Shim Silver 0.5mm thickness



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Pos	PartNo	DESCRIPTION	QTY.
1	OXY0861	OXY5 Center Hub	1
2	OXY0834	OXY5 Spindle Shaft	1
3	OXY 1093	Oring 7.5w 3.5 70 Shore	6
4	OXY0871	8X12.5X1 Steped Washer	2
5	OXY0879	8x12.5x0.1Shim	2
6	OXY0862	OXY5 Main Grip	2
7	MR148-ZZ	8x14x4 Radial Bearing	4
8	OXY0880	OXY5 Grip Arm	2
9	OXY 1075	M3 Linkage Ball 5mm	6
10	TCEM3X8	M3X8 Hex Cap Screw	2
11	OXY 0908	11x14x1 Spacer	2
12	F8-14G	8x14x4 Thrust Bearing	2
13	OXY0872	6x12x1 Washer	2
14	TBEM6x10	M6x10 Button Screw	2
15	OXY 0899	OXY5-Follow er Arm	2
16	OXY0881	2.5X4.5X4.5 Bushing	2
17	SMF682X-ZZ	2.5x6x2.6 Flange Bearing	8
18	OXY 1041	OXY5 Radius Arm	2
19	OXY0877	2.6x4x7 Bushing	2
20	OXY0870	2.5X4X0.5 Washer	8
21	TCEM2.5X18	M2.5x18 Hex Cap Screw	4
22	OXY0863	OXY5 low er Sw ash Plate	1
23	OXY0866	OXY5 SW Center Ball	1
24	OXY0868	OXY5 SW CF Cover	1
25	TBEM2X5	M2X5 Button Screw	7
26	OXY0832	XY5 low er Sw ash Plate B	2
27	OXY 0833	OXY5 Anti Rotation Ball	1
28	MR63_ZZC	RADIAL BEARING 3X6X2.5	3
29	OXY0054	3X4X0.1 Shim	2
30	OXY0778	3.1x4.4x0.5 Washer	1
31	TCEM4x25S17	M4x25 Hex Cap Screw	2
32	SLNM4	M4 Self Look Nut	3
33	TCEM4x20S12	M4x20 Hex Cap Screw	1
34	TCEM3X10	M3X10 Hex Cap Screw	2
35	OXY 1062	M3x40 Turnbuckle Rod	2
36	DR1252	Linkage Ball	4





POS	PartNo	DESCRIPTION	QIY.
1	OXY 0944	OXY5-Low er Bearing Block	1
2	SMR900-ZZC	10X22X6 Radial Bearing	3
3	OXY 0878	OXY5 Main Shaft	1
4	OXY0849	OXY5 Upper Bearing Block	1
5	TBEM2X5	M2X5 Button Screw	3
6	OXY0842	OXY5 Main Gear Hub	1
7	MR6701_ZZ	12X18X4 RADIAL BEARING	1
8	HF1216	12x18x16 One Way Bearing	1
9	OXY 0988	12X14X0.3 Shim	1
10	OXY 0986	One Way Bushing	1
11	OXY 1060	12X14X0.1 Shim	1
12	OXY 0843	OXY5 Main Pulley Hub	1
13	OXY 0846	OXY5 Main Gear Sleeve	1
14	OXY 0990	OXY5 Main Gear Sleeve Cap	1
15	OXY 0845	OXY5 Front Belt Pulley	1
16	OXY 0841	OXY5 110T M01 Main Gear	1
17	TCEM2.5X6	M2.5X6 Hex Cap Screw	12
18	OXY 0844	OXY5 Jesus Pin	1
19	OXY0332	M2.5 Washer	2
20	OXY 0850	OXY5 Middle Bearing Block	1
21	OXY 0848	OXY5 Anti Rotation Guide	1
22	OXY 1073	OXY5 Quick Release Pin	1
23	CP0040	17-7062-3-Battery Quick Release Button	1
24	SCM3x4	Flat-Tip Set Screw M3x4	1
25	OXY 1089	OXY5- Quick Release Spring 0.4XOD4x25	1
26	OXY 1069	OXY5- Quick Release Battery, Spring	1
27	OXY 1072	3x8x1 Washer	6
28	OXY 0853	OXY5- Front std Servo Support	2
29	OXY 1087	OXY 5 Servo Tab	6
30	TCEM3X10	M3X10 Hex Cap Screw	6
31	TCEM3X14	M3X14 Hex Cap Screw	2
32	TCEM3X6	M3X6 Hex Cap Screw	2
33	TCEM3X8	M3X8 Hex Cap Screw	7
34	TCEM2.5x8	M2.5X8 Hex Cap Screw	10
35	TCEM2.5x12	M2.5X12 Hex Cap Screw	4

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M2.5X8 Hex Cap Screw

OXY5 Tail Push Rod

Linkage Ball

QTY

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4		$\begin{array}{c} 3 \\ 9 \\ -28 \\ 21 \\ \end{array}$		(47) (47) (50)			49	46
0		Pos	PartNo	DESCRIPTION	QTY	Po	PartNo	DESCRIPTION
		1	OXY0780	OXY5 STD Tail Boom	1	26	OXY0811	OXY 5-Tail Hub
	60	2	OXY0822	OXY5 Tail Case Insert	1	27	OXY1036	3x6x1 Washer
. /		3	OXY0974	Tail Case Plate	1	28	OXY0874	5mm Servo Ball
/	(12)	4	OXY1003	OXY5-Tail bearing	2	29	TCEM2X6	M2X6 Hex Cap Screw
\ \		5	RM126-ZZ	6x12x4 Radial Bearing	2	30	OXY1043	OXY5 PL Slider Ring
)		6	TCEM2X5	M2X5 Hex Cap Screw	6	31	OXY 1005	OXY5- Tail Pitch Slider Bushing
		7	OXY0818	OXY5 Tail Bell Crank	1	32	OXY0816	OXY5- Tail Slider Haft Moon
		8	SMF682X-ZZ	2.5x6x2.6 Flange Bearing	2	33	MR128-ZZ	8X12X3.5 Radial Bearing
		9	OXY0332	M2.5 Washer	2	34	OXY1038	2x3x3 Bushing
		10	TCEM2.5X6	M2.5X6 Hex Cap Screw	5	35	OXY 1042	OXY5 Link Control
		11	OXY0973	OXY5-Vertical Fin	1	36	OXY0817	OXY5 Tail Bell Crank
		12	OXY0821	Tail Case Rod	1	37	OXY 1058	OXY5 - Tail Bell Crank Pin
		13	TCEM3X6	M3X6 Hex Cap Screw	4	38	OXY0977	Bell Crank Arm
		14	OXY0883	OXY5-Front Pulley Guide	1	39	SCM4X4	M4x4 Flat-Tip Set Screw
		15	OXY0823	OXY5 Tail Belt Tensioner	2	40	TCEM3X8	M3X8 Hex Cap Screw
		16	MF84-zz	4x8x3 flange Bearing	2	41	TCEM2.5X30	M2.5x30 Shoulder Hex Cap
		17	OXY0812	OXY5 Tail Shaft	1	42	HTD3M-1698	Timing Belt
		18	OXY0966	OXY5 19T Tail Pulley	1	43	TCEM3X16S1	M3X16 10mm Shouldered Hex
		19	OXY1061	Bushing 6x8.5x3.6	1	44	SLNM3	M3 Self Lock Nut
		20	OXY1059	2.5x14 Dowel Pin	1	45	OXY0040	6X8X0.1 SHIM
		21	OXY0810	OXY4 Tail Grip	2	46	OXY0802	OXY5 AL Tail Servo Mount
		22	MR105	5x10x3 Radial Bearing	4	47	OXY 1087	OXY5 Servo Tab

8X10X0.2 SHIM

5x10x4 Thrust Bearing

OXY5 Tail Grip Spacer

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2 49

2 50 TCEM2.5x8

OXY0804

DR1252

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OXY0039

F5-10M

OXY0807

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		OSP-1267-OXY5 - Center Hub	OSP-1268-OXY5 - Main Grip	OSP-1269-OXY5 Main Grip Bearing
	Contraction of the second			
ACC IN THE REAL OF		1 x Center Hub 2 x M3x10 Hex Cap Screw	1 x Main Grip 2 x 8x14x4 Radial Bearing 1 x M4x25 Hex Cap Screw	4 x 8x14x4 Radial Bearing
		1 x M4 Self Lock Nut	1 x 8x14x4 Thrust Bearing 1 Spacer 11x14x1	2 x 8x14x4 Thrust Bearing 2 Spacer 11x14x1
		OSP-1270 OXY 5 - Dampeners Ring Soft	OSP-1271 OXY 5 - Dampeners Ring Hard	OSP-1272-OXY5 Spindle-Shaft
OSP 1273 OVY5		6 x Oring 7.5W3.5 70 Shore	6 x Oring 7.5W3.5 90 Shore	1 x Spindle 2 x Spacer 6x12x1 2 x M6x10 Button Screw OSE-1272-OXY5
Follower Arm	Radius Arm	Pitch Arm Ball Linkage	40mm Turnbuckle Rod	Plastic Linkage Ball
		COROSCO COROSCO		
1 Set follower Arm	1 Set Radius Arm	5 x 5mm Pitch Ball	2 x 40mm Turnbuckle Rod	10 x Plastic Ball Linkage

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OSP-1278-OXY5 Swashplate	OSP-1279-OXY5 Swashplate Swivel Ball	OSP-1352-OXY5 Spindle Step Spacer, Set	OSP-1281-OXY5 Main-Shaft	OSP-1282-OXY5 Main-Grip-Arm
CALL OF HERE	1 x Center Ball 1 CF Cover 4 x Pitch Ball		0	
1 x Swash Plate	2 x Lower SW Ball 1 x Anti Rotation Ball 3 x M2x5 Button Screw	1 x Spindle Step Spacer	1 x Man Shart 1 x M4x20 Hex Cap Screw 1 x M4 Self Lock Nut	1 x Grip Arm 1 x M3x8 Hex Cap Screw 1 x Pitch Ball
M4x20CS-10 Hex Cap Shoulder Screw M4x20, 10PCS	M4x25CS-10 Hex Cap Shoulder Screw M4x25, 10PCS	M3x10CS-10 Hex Cap Screw M3x10, 10 PCS	M2.5x18CS-10 Hex Cap Screw M2.5x18, 10 PCS	OSP-1353 Washer 2.5x4x0.5, 10pcs
10 x M4x20 Shouldred Hex Cap Screw	10 x M4x25 Shouldred Hex Cap Screw	10 x M3x10 Hex Cap Screw	10 x M2.5x18 Hex Cap Screw	10 x 2.5x4x0.5 Washer
M4-SLN-10 Self Lock M4	OSP-1280-OXY5 Blade-Holder	OSP-1341-OXY5 Main Blade Spacer 1.5mm	OSP-1342-OXY5 Main Blade Spacer 0.5mm	OSP-1357 OXY5-Leveler
	et an			
10 x M4 Self Lock Nut	1 x Blade Holder	4 x 1.5 Main Blade Spacer	4 x 0.5 Main Blade Spacer	1 x Leveler

OSP-1386 OXY5 - Rigid Dampener	OSP-1401 OXY5 - MEG Turnbuckle Pitch Rod		
2 x POM Dampener			
2 x O-ring 7.5 w3.5 90 shore			
2 x shim 8.1x11x0.1	2 x M3x47 Turnbuckle Pitch Rod		
1	1		



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		OSP-1283-OXY5 Upper Bearing Block	OSP-1286-OXY5 Standard Servo Support	OSP-1284-OXY5 Middle Bearing Block
		1 x Upper Bearing Block 1 x 10x22x6 Radial Bearing 2 x M3x8 Hex Cap Screw 2 x M3x10 Hex Cap Screw 1 x M2.5x8 Hex Cap Screw 2 x M2.5x12 Hex Cap Screw	1 x Front Servo Arm Support 2 x M2.5x8 Hex Cap Screw	1 x Middle Bearing Block 1 x Middle Bearing Block 1 x 10x22x6 Radial Bearing 2 x M3x8 Hex Cap Screw 2 x M3x10 Hex Cap Screw 5 x M2.5x8 Hex Cap Screw 2 x M2.5x12 Hex Cap Screw
		OSP-1285-OXY5	OSP-1346-OXY5	OSP-1288-OXY5 Front Boom Mount
		1 x Lower Bearing Block	1 x Batter Tray Lock Pin	2 x Boom Clamp 4 x Smm Havaron Part
		1 x 10x22x6 Radial Bearing 4 x M3x8 Hex Cap Screw	1 x Set Screwy M3x4 1 x Spring 3x25	4 x M3 x8 Hex Cap Screw 1 x M3x22 Hex Cap Screw
OSP-1289-OXY5 Antirotation Guide	OSP-1290-OXY5 ESC Plate	4 x 3x8x1 Washer OSP-1291-OXY5 Middle Frame Plate	1 x Bushing OSP-1292-OXY5 Quick Release Battery Tray	OSP-1293-OXY5 Main Gear Hub
2 x M3x10 Hex Cap Screw 2 x M3x14 Hex Cap Screw	1 ESC Tray Set	1 CF Middle Tray	1 Battery Tray Plate	1 Main Gear Hub Assembly

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OSP-1294-OXY5 CNC Main Gear	OSP-1467 OXY5 - Main Pulley	OSP-1308-OXY5 Rear Cyclic mini Servo Support	OSP-1297-OXY5 One Way Sleeve	OSP-1298-OXY5 One Way Lock Pin
1 x Main Gear	1 x Front Pulley	1 x Pulley Hub	1 x Main Gear Sleeve	1 x Jesus Pin
OSP-1407 OXY5 Plastic Landing Gear Strut, White	OSP-1300-OXY5 Bottom Plate Landing Gear	OSP-1405 OXY5 Plastic Landing Gear, Tube	OSP-1302-OXY5 Main Frame, 1Pcs	OSP-1303-OXY5 Front Length
1 x Landing Gear Support Set	1 x Bottom Plate	Landian Geor Tube Set		S Engl Length Sat
OSP-1304-OXY5 Back Length	OSP-1305-OXY5 Std CE Canopy Mount Plate	OSP-1306-OXY5 Quick Release canopy	OSP-1307-OXY5 Frame Spacer Bushing	
Rear Length, Set	Canopy Mount Plate, Set	Quick Release Canopy, Set	Frame Space Bushing, 10 Pcs	Rear Cyclic Servo



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OSP-1309-OXY5 Front Right Cyclic mini Servo Support	OSP-1310-OXY5 Front Left Cyclic mini Servo Support	OSP-1311-OXY5 Servo Arm F	OSP-1312-OXY5 12T 6mm Pinion	OSP-1313-OXY5 13T 6mm Pinion
O O				
Right Front Cyclic mini Servo Support	Front Left Cyclic mini Servo Support	Servo Arm, 5pcs	1 x Pinion 12T	1 x Pinion 13T
OSP-1314-OXY5 14T 6mm Pinion	OSP-1358-OXY5 12T 5mm Pinion	OSP-1359-OXY5 13T 5mm Pinion	OSP-1360-OXY5 14T 5mm Pinion	OSP-1318-OXY5 Front Pulley Guide Belt Support
1 x Pinion 14T	000 4047 000/5	000 1007 010/5		Front Pulley Guide Belt Support
Front Pulley Guide Belt	mini-Servo-Support-Set	Motor Mount	Servo Tab	mini-Servo-Tab
Front Pulley Guide Belt, Set	mini Servo Support, Set	1 x Motor Mount	Servo tab, 10pcs	mini Servo tab, 10pcs

OSP-1378 OXY5 - Motor Shaft Extra Support	OSP-1425-OXY5-Front-Frame-Spacer	OSP-1426-OXY5-Rear-Frame-Spacer	OSP-1427-OXY5-Main-Gear-Bushing	OSP-1428-OXY5-Main-Gear-One-Way-Case
1 x Thirst Motor Mount Block 1 x 5x13x4 Flange Bearing 1 x 6x13x5 Flange Bearing 4 x M3x12 Hex Cap Screw	2 v. Front Frome Concer		d v. Mais Cons Ducking	1 v. One Wase Case
1 x Main Gear One Way Sleeve	1 x Main Gear Hub	1 x Main Gezr Hub. Set		
1 x Main Gear One way Sleeve	1 X Main Gear Hub	1 x Main Gear Hub, Set		

OSP-1335-OXY5 45mm Turnbuckle Rod	OSP-1277-OXY5 Plastict Linkage Ball, 10Pcs	OSP-1339-OXY5 Servo Ball	OSP-1354 3x8x1-Washer	M2x6CS-10 Hex Cap Screw M2x6, 10 PCS
			°°°°°°	
45mm Turnbuckle Rod, 3Pcs	Plastict Linkage Ball, 10Pcs	Servo Ball, 5pcs	3x8x1-Washer, 10pcs	M2x6 Hex Cap Screw, 10pcs
M2.5x8CS-10 Hex Cap Screw M2.5x8, 10 PCS	M2.5x10CS-10 Hex Cap Screw M2.5x10, 10 PCS	M2.5x12CS-10 Hex Cap Screw M2.5x12, 10 PCS	M2.5x14CS-10 Hex Cap Screw M2.5x14, 10 PCS	M3x6CS-10 Hex Cap Screw M3x6, 10PCS
Hex Cap Screw M2.5x8, 10 PCS M3x8CS-10	Hex Cap Screw M2.5x10, 10 PCS M3x10CS-10	Hex Cap Screw M2.5x12, 10 PCS M3x14CS-10	Hex Cap Screw M2.5x14, 10 PCS M3x22CSFT-10	Hex Cap Screw M3x6, 10PCS OSP-1338
Hex Cap Screw M3x8, 10 PCS	Hex Cap Screw M3x10, 10 PCS	Hex Cap Screw M3x14, 10PCS	Hex Cap Screw M3x22, 10PCS	IU-X22X6-Radial-Bearing
Hex Cap Screw M3x8, 10 PCS	Hex Cap Screw M3x10, 10 PCS	Hex Cap Screw M3x14, 10PCS	Hex Cap Screw M3x22, 10PCS	10x22x6 Radial Bearing

		OSP-1315-OXY5 Tail Boom	OSP-1316-OXY5 Tail Servo Mount	OSP-1317-OXY5 Tail Case Insert
C. S.		Concernance of the second		
and the second second		1 x Tail Boom	Tail Servo Mount, Set	1 x Tail Case Insert
		OSP-1320-OXY5	OSP-1322-OXY5	OSP-1321-OXY5
	1	Vertical Fin, Set	Tail Case Side	Tail Case Rod
OSP-1323-OXY5 Tail hub	OSP-1324-OXY5 Tail Shaft	OSP-1325-OXY5 18T Tail Pulley	OSP-1326-OXY5 19T Tail Pulley	OSP-1327-OXY5 20T Tail Pulley
1 x Tail hub	1 x Tail Shaft	1 x 18T Pulley	1 x 19T Pulley	1 x 20T Pulley

OSP-1328-OXY5 Tail Pitch Slider	OSP-1329-OXY5 Tail pitch slider linkage	OSP-1330-OXY5 Bell Crank Support	OSP-1331-OXY5 Tail Bell Crank	OSP-1332-OXY5 Tail Push Rod Standard Lenght
1 x Tail Pitch Slider	2 x Platic Link Control. Spare	1 x Bell Crank Support, Set	1 x Tail Bell Crank	1 x Tail Push Rod
OSP-1334-OXY5 Tail Belt STD Lenght	OSP-1336-OXY5 Tail Grip	OSP-1337-OXY5 Tail Grip Service Part	OSP-1343-OXY5 Tail Blade Spacer	OSP-1344-OXY5 Tail Case Bearing Service Bag
		2 x Thrust Bearing 5x10x4 4 x Radial Bearing 5x10x3 2 x Shim 8x10x0.2		
1 x HTD3M 1698mm Timing Belt	1 x Tail Grip	2 x Tail Grip Spacer	4 x 1mm Tail Blade Spacer	2 x 6x12x4 Radial Bearing
Tail Bell Crank Service Bag	M2.5X30CS-10-Hex Cap Shoulder Screw M2.5x30,10PCS	Hex Cap Screw M3x6, 10PCS	Hex Cap Screw M3x8, 10 PCS	Hex Cap Screw M2.5x6, 10 PCS
1 x ball 3 x M2x6 Hex Cap Screw	M2.5x30 Hex Cap Screw	M3x6CS-10 Hex Cap Screw M3x6, 10PCS	Hex Cap Screw M3x8 10PCS	Hex Cap Screw M2.5x6, 10 PCS
M2x6CS-10 - Hex Cap Screw M2x6, 10 PCS	OSP-1454-OXY5-HF-Verticl-Fin	OSP-1455-OXY5-HF-Tail-Case	OSP-1422-OXY5-Black White Matte Painted STD Tail Boom	OSP-1423-OXY5-Black White Matte Painted 625 Tail Boom
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ST S	EE SO SI		O25 FILEU	O TO THE LINE AND
Hex Cap Screw M2x6, 10 PCS	1 x HF Vertical Fin	1 x HF Side Case	1 x STD Matte Black-White Painted Boom	1 x 625 Matte Black-White Painted Boom
OSP-1374 OXY5 - MEG Stretch Tail Belt	OSP-1375 OXY5 - MEG Stretch Tail Push Rod	OSP-1451-OXY5 HF 21T Tail Pulley	OSP-1452-OXY5-HF-22T-Tail-Pulley	OSP-1453-OXY5 HF Tail Tensioner
1 x Meg Tail Belt	1 x Meg Tail Rod	1 x 21T tail Pulley. Set	1 x 22T tail Pulley. Set	1 x Tensioner. Set
OSP-1373 OXY5 - MEG Stretch Tail Boom				

SP-0XY3-054 - 0XY3	LX0194 - 10/15mm	LX5242 - Omicron Threadlocker	LX5648 - Omicron Retaining Compound	SP-OXY3-055 - OXY3
Battery Hook & Loop, 2 Set	Electronic Hook & Loop	Medium Strength	High Strength Bonding	Double Side Adhesive Tape, 2PC
		DVERON Warange Krozz Lorver 181	DIVERCIA International Interna	
Battery Hook & Loop, 2 Set	Electronic Hook & Loop			Double Side Adhesive Tape, 2PC
			DAY DAY	

Update list 5 - August - 2019: edit page 11 Add Pro Tips To optimize assembly precision and compensate tollerance slack, add little ammount of superglue 401 or 402, between Tail Pulley and Tail Shaft as shown. For service operation, heat with lighter the Shaft to unlock the parts. 5 - August - 2019: edit page 14 Add Pro Tips: To optimize assembly precision and compensatetollerance slack, add little ammount of superglue 401 or 402, between Tail Case Bearing and Tail Shaft as shown. For service operation, gently push out the shaft. 5 - August - 2019: page 15 Add Pro Tips: add litte ammount of loctite 243 between Tail Hub and Tail Shaft, will increase the assemby precision and strenght. For service operation, heat with lighter the Hub and unlock lockthread. 5 - August - 2019: page 28 Edit Fine Adjust Shims Note: In order to give fine adjustment options, in the Extra Hardware Bag you will find extra shims 12X18X0.1. Start assembly one shim. If Gear Hub has play more than 0.1, add shims as required, Add Pro Tips: The Gear Hub must have at lest 0.1mm vertical play. 5 - August - 2019: page 30 Edit main Shaft Side Note. 5 - August - 2019: page 31 Add Note: In order to remove Main Shaft vertical play, Lower Bearing Block MUST move UP! To remove eventually residual Main Shaft vertical play, gently increase Jesus Pin Screw tighten. 5 - August - 2019: page 34 Add note for Linkage Ball Position: In our testing 17.5mm default servo ball mount works best for most FBL and servo combinations. However depending on your servo resolution and FBL for example NEO you may yield better results with 14.5mmposition. 5 - August - 2019: page 34 Main Gear/Pinion Mesh Pro Tips: Push motor / pinion against main gear, then rotate main gear by hand, find if there is any high spot, if there is, then set your gear mesh tight there. By tight, push lightly by hand. Then rotate gear, slighty by hand. Then lock down the motor position. Then check by hand, high spot should just contact, rest you should feel just a hair click of backslash. 15 - May - 2020: page 35 Update dimension Meg Head Pitch Rod 64.75mm (Was 59.75mm) 15 - May - 2020: page 3 Add addendum for Mea 05-Oct - 2020: page 35 Upadate Head Pitch Rod

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3th Motor mount Blockpage 7	78

## Semi-Rigid Dampener





