

### Notes for safety:

1. This RC heli model is not a low motivity doll. It is with big force and high flying speed. Please try it under the guiding of somebody experienced.
2. Please fly under a safe condition.
3. After switch on the electricity, the heli might shake strongly or out of control when affected by electronic waves. Such as near the domestic electronic equipment, under a high pressure environment, or there is other remote controller using the same radio channel, or other unidentified wave. .So remember to keep a far and safe distance from these and people. Please be alert every minute and second.
4. The battery used here might cause a fire in case of short, dampness, bump, cracking and over loading.
5. This heli has a max rev. The max rev of the frame part is 3300rpm, and the max rev of main rotor, please look at the sign on the package. Please do not try to test it with the max rev. as in this situation the main rotor will be overloaded.
6. Please check and renew the main rotor frequently, as the stuff will be degraded and with less intensity after fierce and high speed movement.
7. Please electricize the battery according to the guide line related, so as to prevent any danger.
8. The players should be responsible for their own deed and responsible for the damage and injury happened during the operation process, if any.

# SJM400 PRO

## KIT:

- Kit weight (W/O main blade): 217g
- RTF weight: 600g
- Main rotor diameter: 655mm
- Main rotor specification: 305×30mm
- Flybar rod: 210×1.5mm
- Flybar rod specification: 58×30mm
- Tail rotor diameter: 110mm
- Tail rotor specification: 45×18mm
- Main shaft diameter: 4mm
- Tail rotor shaft diameter: 2mm
- Tail boom diameter (outer): 11mm
- Drive belt specification: 302MXL, width 2.5mm
- Main rotor:
  - Changeable screw distance
  - Adjustable mixing control;
  - Flybar in ball shape
  - Direct connected flybar control rod
- Revolving swash plate: ccpm120 degree
- Tail rotor blade: anti-shaking outer bearing in box shape
- Main drive gear: M0.4 180T
- Tail drive gear: M0.4 36T
- Speed ratio of main and tail drive gear: 1: 5.294
- Motor diameter limitation: 26mm
- 43 bearings on the whole kit

The whole heli is made of aluminum alloy, carbon fiber(SJM400 PRO-C), and fiberglass (SJM400 PRO-F) material and through CNC technology

## Motor And Other Electronics:

A set of remote controller and receiver with over six channels( in support of ccpm120degree) (optional)

A set of motor, ESC and BEC4.8~6v (optional)

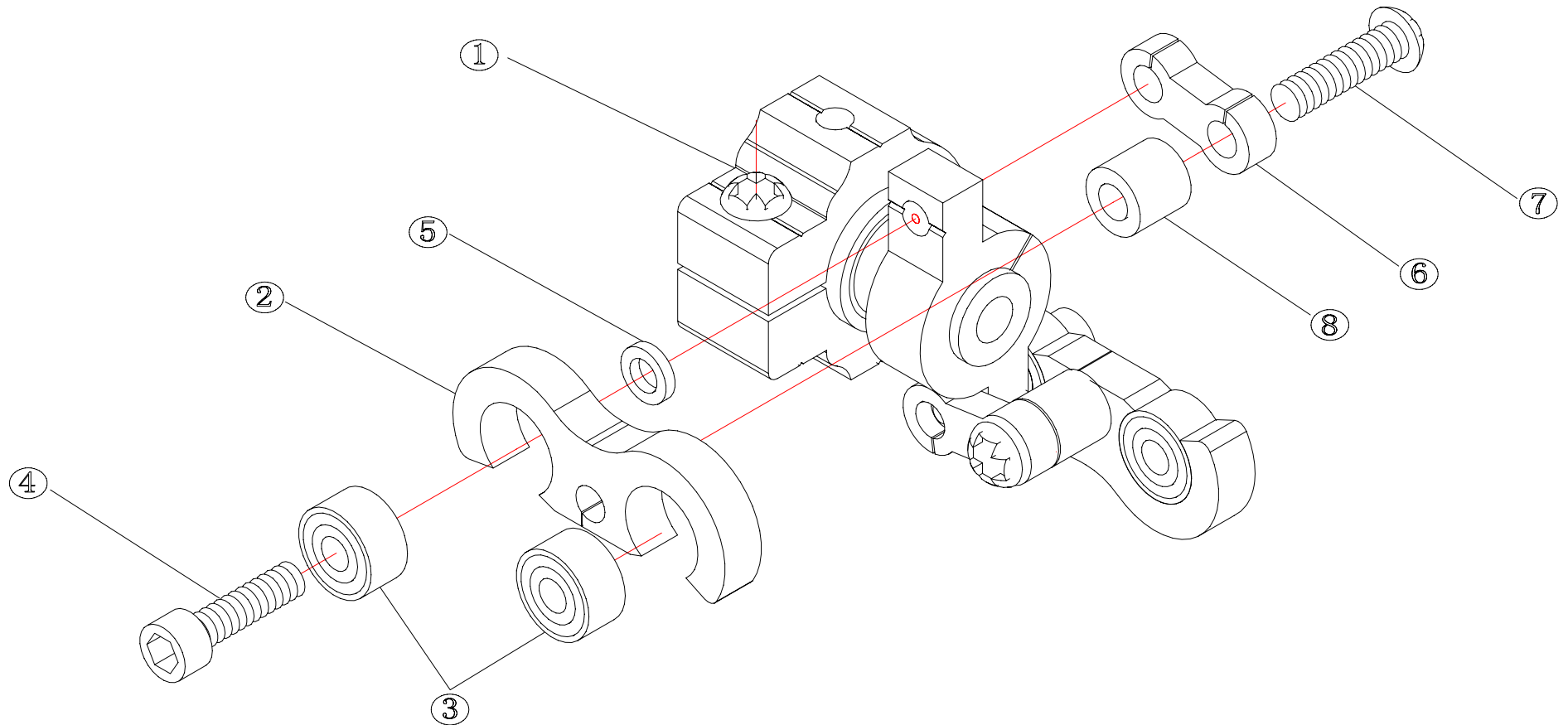
One or more batteries 11.1~14.8v (optional)

4 micro servos (optional)

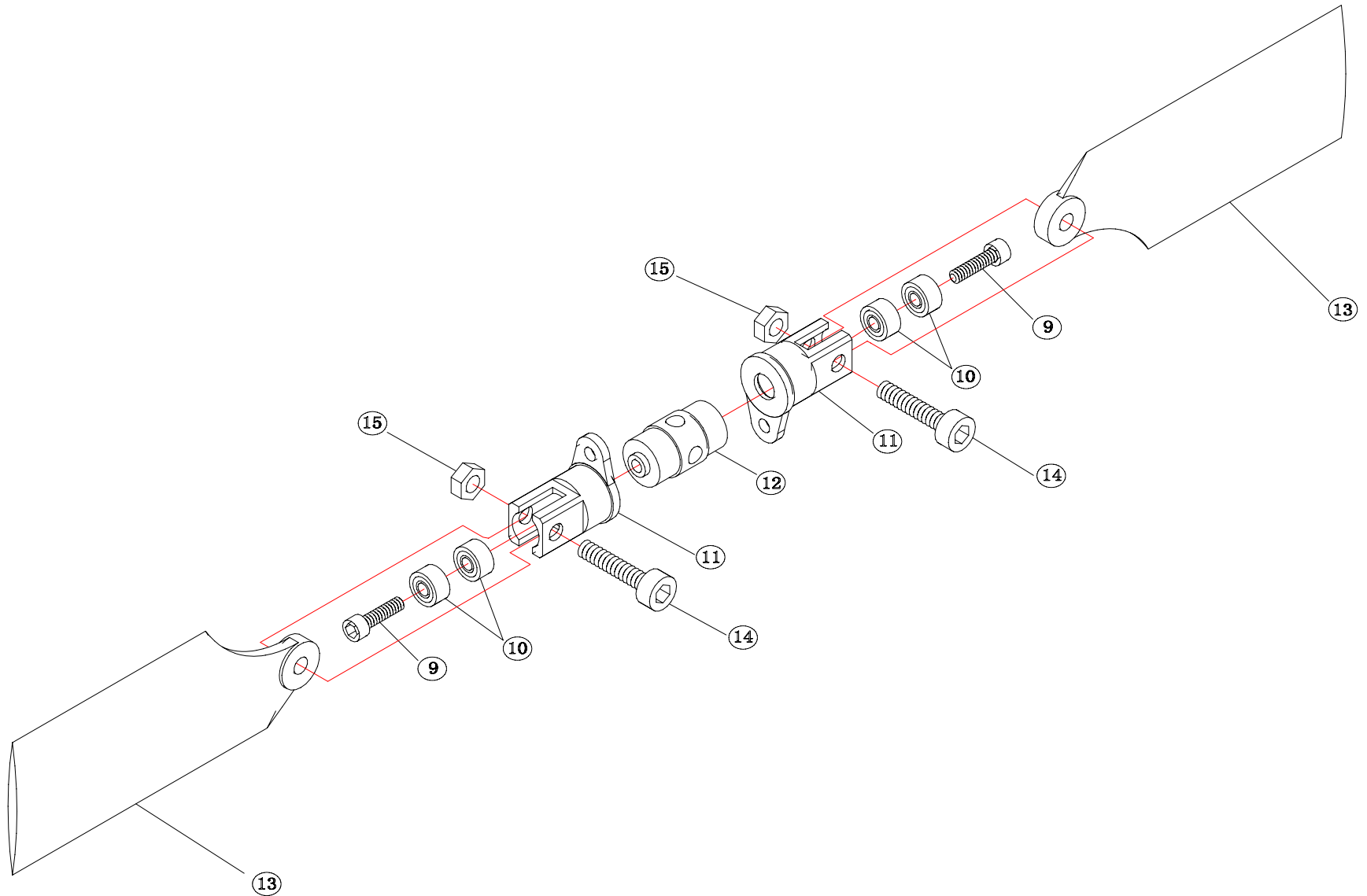
One gyro (optional)

One battery charger (optional)

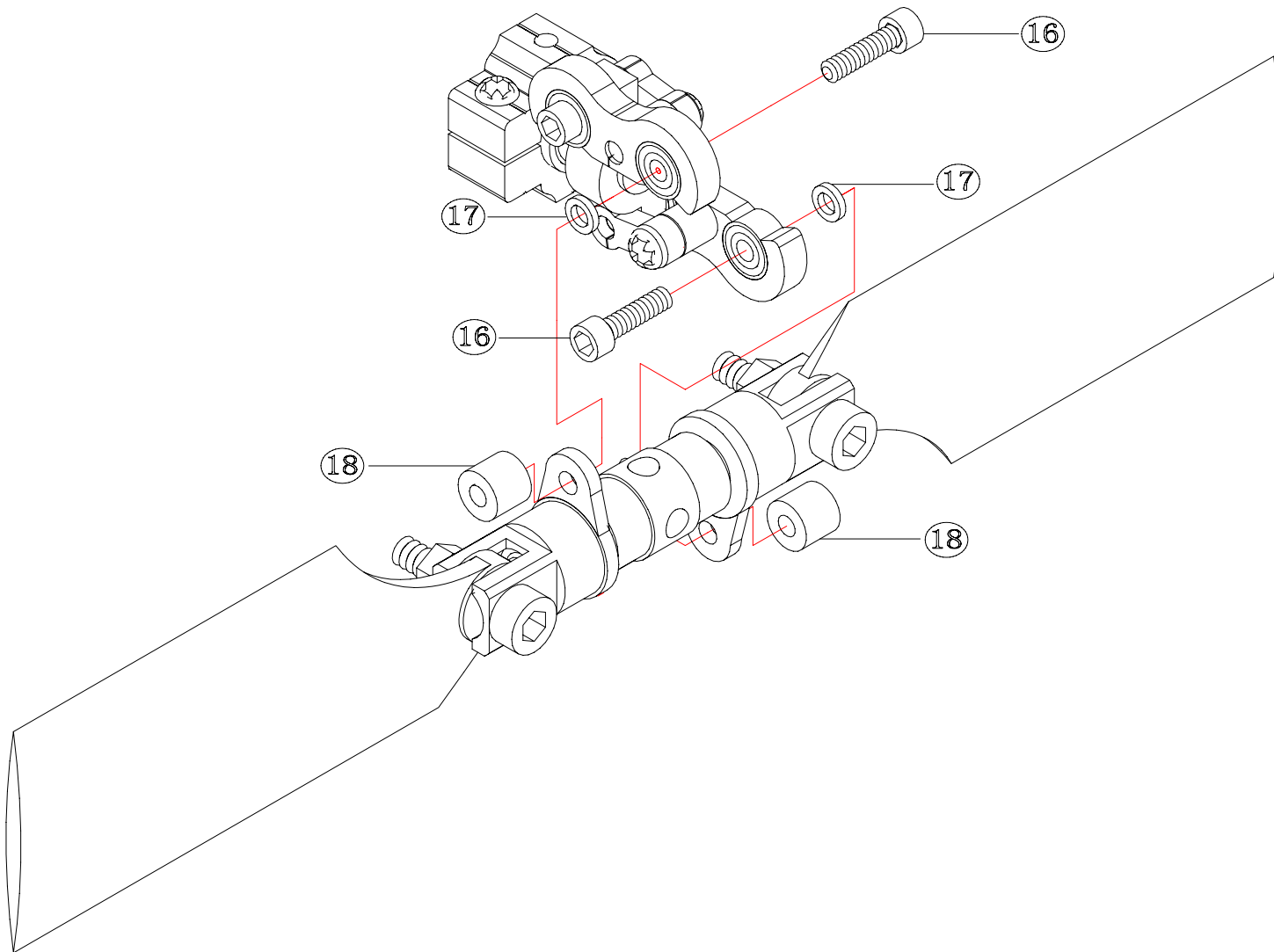
NO.	Part NO.	Discription	Q' TY	Specification	NO.	Part NO.	Discription	Q' TY	Specification
1	AL3016	Sliding shaft	1		5	AL3036	Underlay	2	$\varnothing 1.5 \times \varnothing 2.5 \times 0.5 \text{mm}$
2	AL3018	Tail claw	2		6	AL3018	Safety botton	2	
3	SJ10007	Bearing	4	$\varnothing 1.5 \times \varnothing 4 \times 2 \text{mm}$	7	SJ40001	Round head screw	2	M1.6 $\times$ 6mm
4	SJ20002	Cap screw	2	M1.5 $\times$ 7mm	8	AL3018	Cushion tube	2	$\varnothing 1.6 \times \varnothing 3 \times 2.9 \text{mm}$



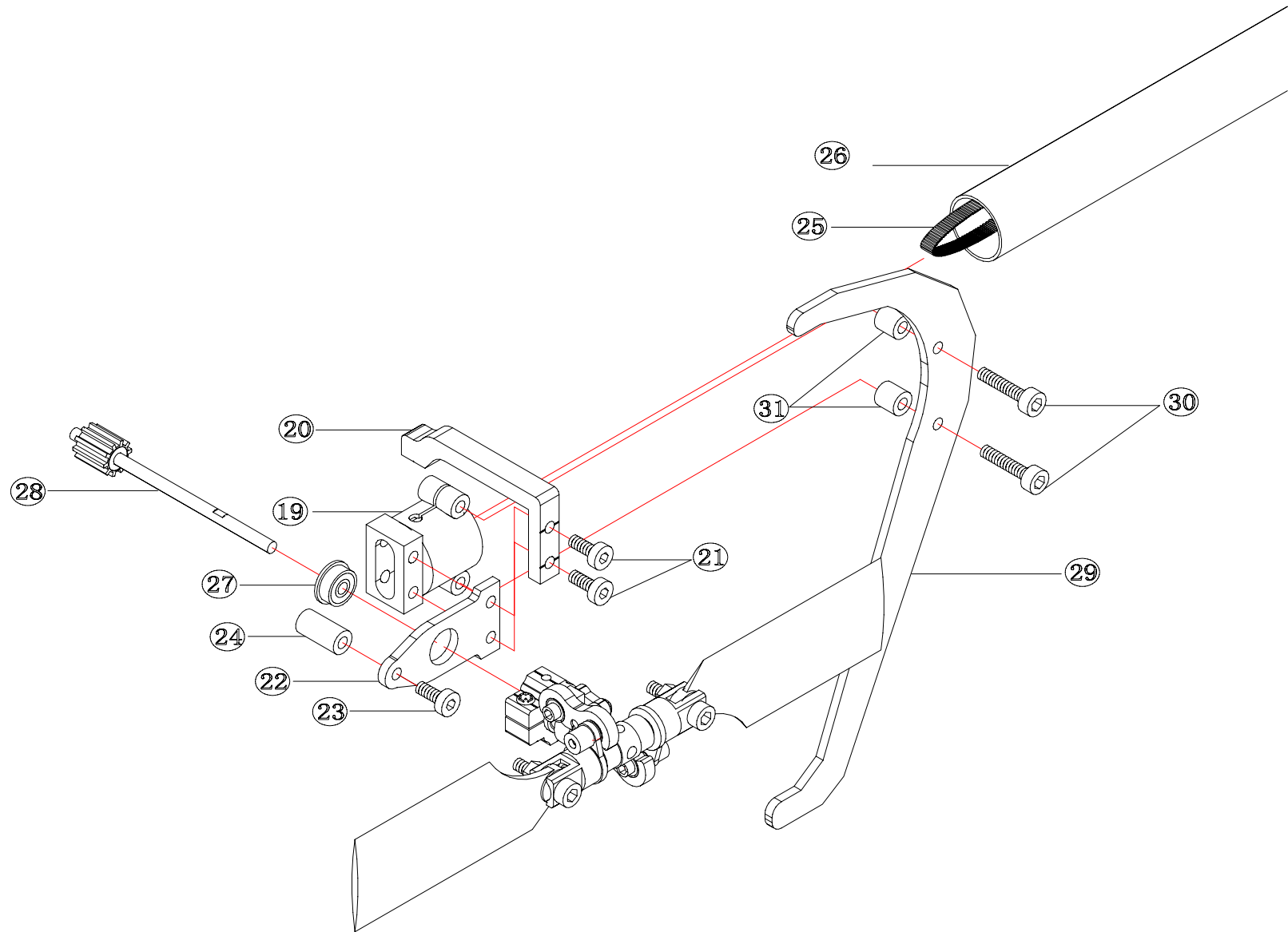
NO.	Part NO.	Discription	Q' TY	Specification	NO.	Part NO.	Discription	Q' TY	Specification
9	SJ20002	Cap screw	2	M1.5×7mm	13	PL1006	Tail blade	2	
10	SJ10007	Bearing	4	Ø1.5×Ø4×2mm	14	SJ20004	Cap screw	2	M2×8mm
11	AL3019	Tail blade clamp	2		15	SJ70001	Nut	2	M2
12	AL3020	Tail rotor head center	1						



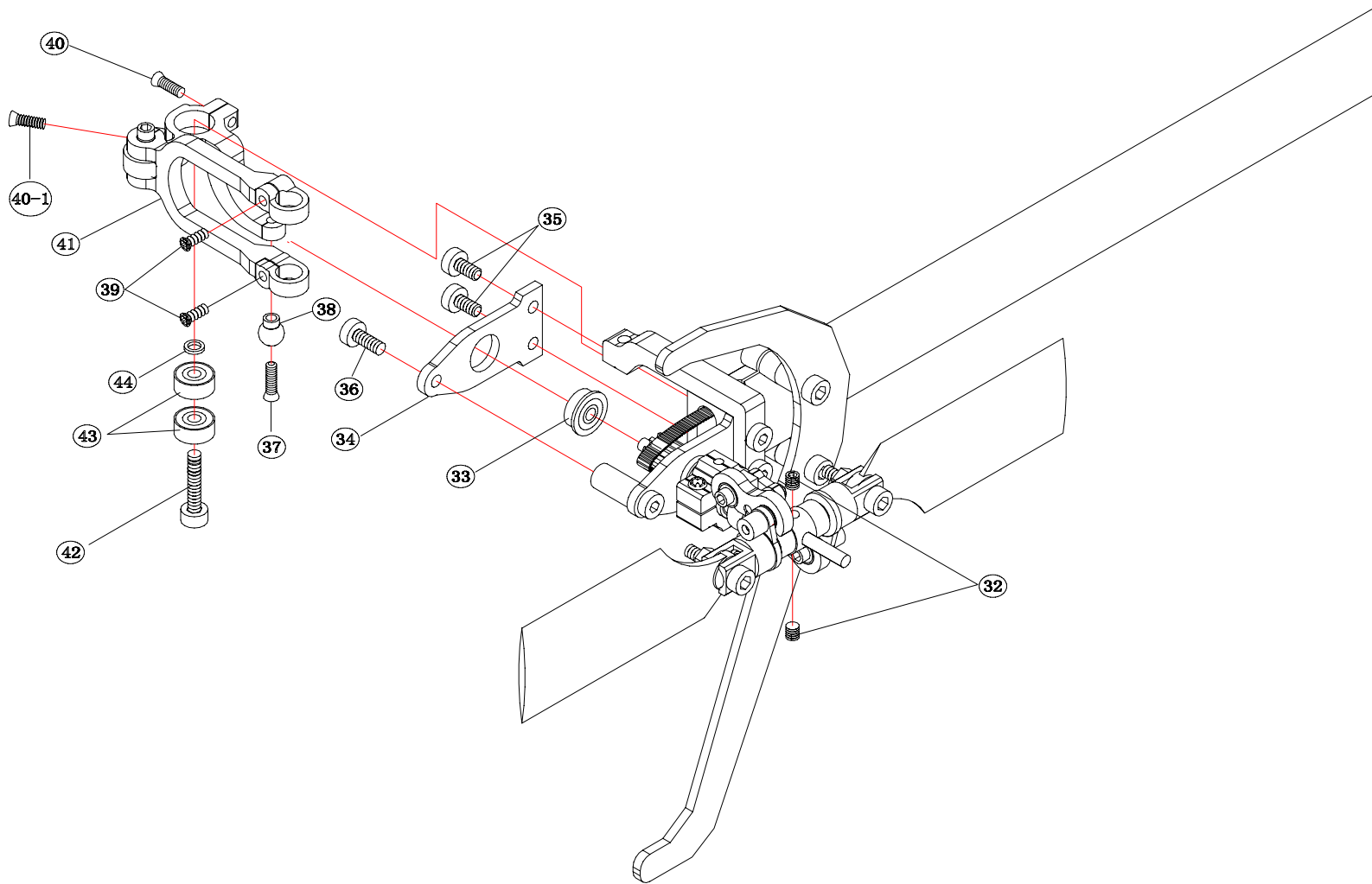
NO.	Part NO.	Discription	Q' TY	Specification	NO.	Part NO.	Discription	Q' TY	Specification
16	SJ20002	Cap screw	2	M1.5×7mm	18	AL2042	Screw cap	2	Ø1.5×Ø3.5×3mm
17	AL3036	Underlay	2	Ø1.5×Ø2.5×0.5mm					



NO.	Part NO.	Description	Q'TY	Specification	NO.	Part NO.	Description	Q'TY	Specification
19	AL3017	Tail shaft housing	1		26	AL2044/CF2003	ALU/Carbonfiber tail boom	1	
20	AL3015	Adjusting tail mount	1		27	SJ10005	Flange bearing	1	Ø2×42mm
21	SJ20003	Cap screw	2	M2×5mm	28	HS3006	Tail shaft on belt wheel	1	Ø1.5×Ø3.5×3mm
22	FG3011-F/C	Fiberglasslateral (F) / Carbonfiber (C) plate	1		29	FG3004-F/C	Fiberglasslateral (F) / Carbonfiber (C) vertical parallel blade	1	
23	SJ20003	Cap screw	1	M2×5mm	30	SJ20004	Cap screw	2	M2×12mm
24	FG3011-F/C	Linkage tube	1	Ø2×Ø4×8mm	31	FG3004-F/C	Vertical stabilizer cushion tube	2	Ø2×Ø4×4mm
25	DB1001	Drive belt	1						

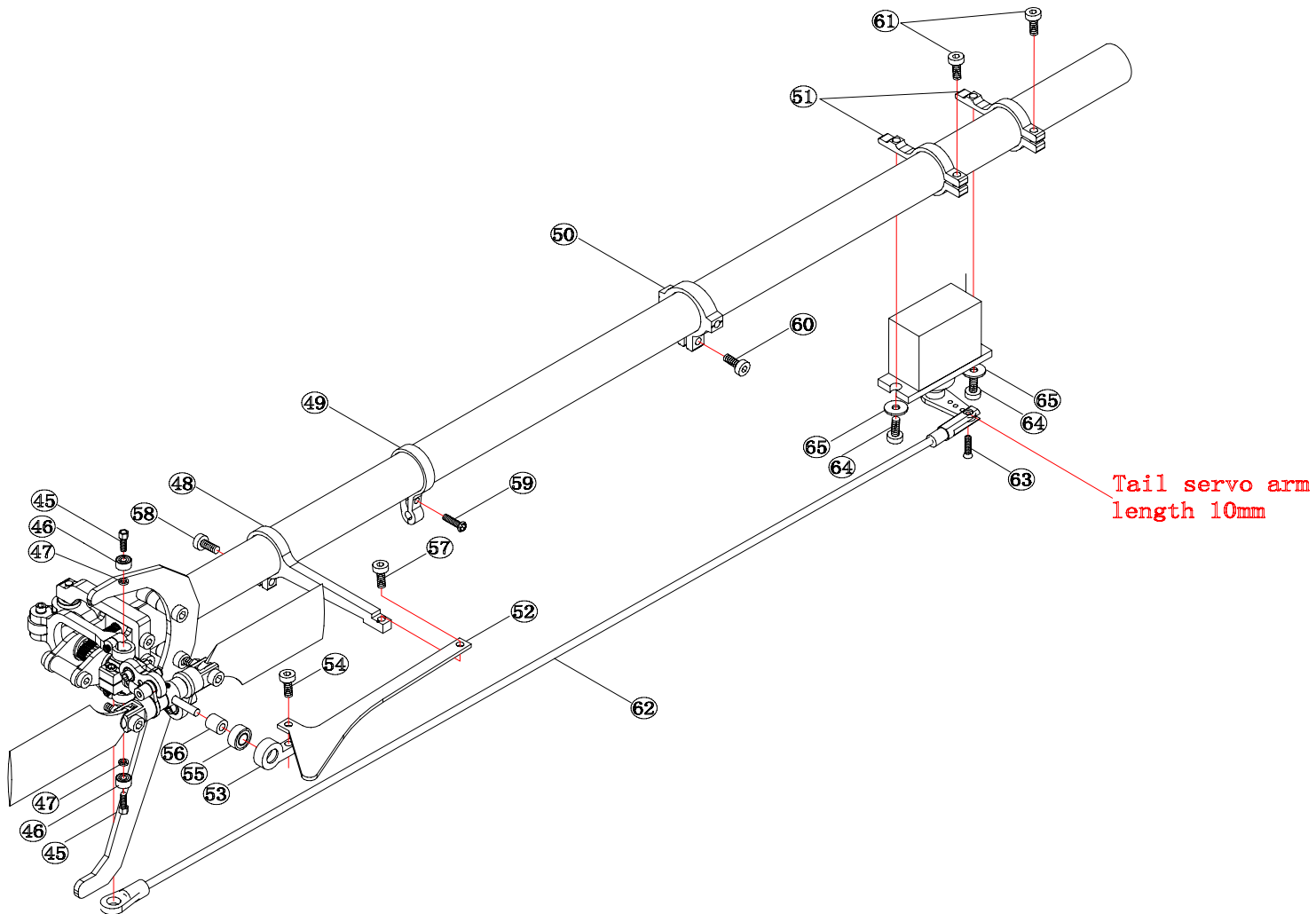


NO.	Part NO.	Discription	Q' TY	Specification	NO.	Part NO.	Discription	Q' TY	Specification
32	SJ20007	Set screw	2	M2×2mm	39	SJ30007	Countersunk screw	2	M1.6×5mm
33	SJ10005	Flange bearing	1	Ø2×Ø6×2.5mm	40	SJ30001	Countersunk screw	1	M1.6×4mm
34	FG3011-F/C	Fiberglasslateral (F) / Carbonfiber (C) lateral plate	1		40-1	SJ30007	Countersunk screw	1	M1.6×5mm
35	SJ20012	Cap screw	2	M2×4mm	41	AL3015	Tail torque converter	1	
36	SJ20003	Cap screw	1	M2×5mm	42	SJ20005	Cap screw	1	M2×10mm
37	SJ30002	Countersunk screw	1	M1.6×6mm	43	SJ10010	Bearing	2	Ø2×Ø6×2.5mm
38	AL1039	Ball link	1		44	AL3036	Underlay	1	M2

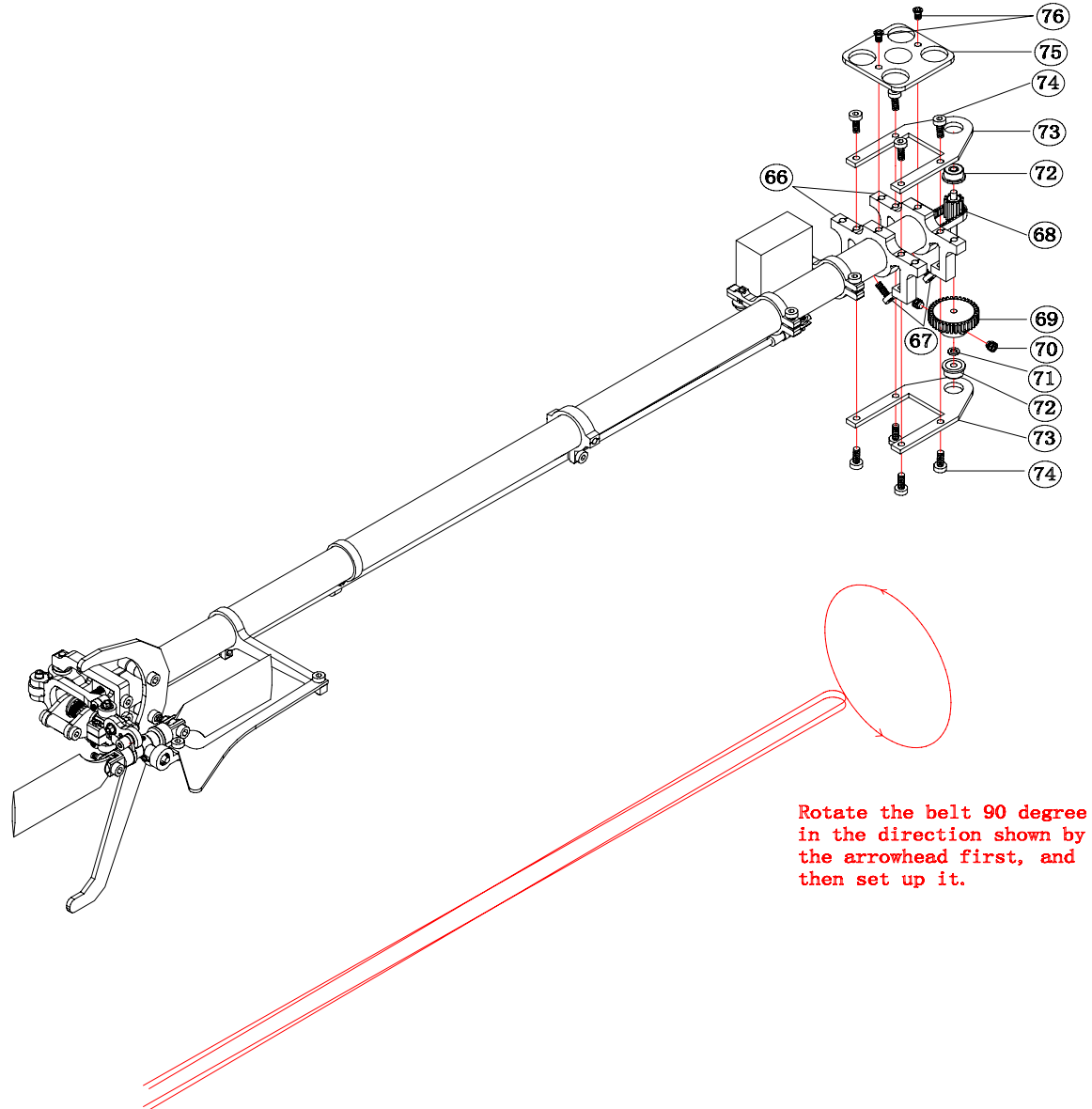


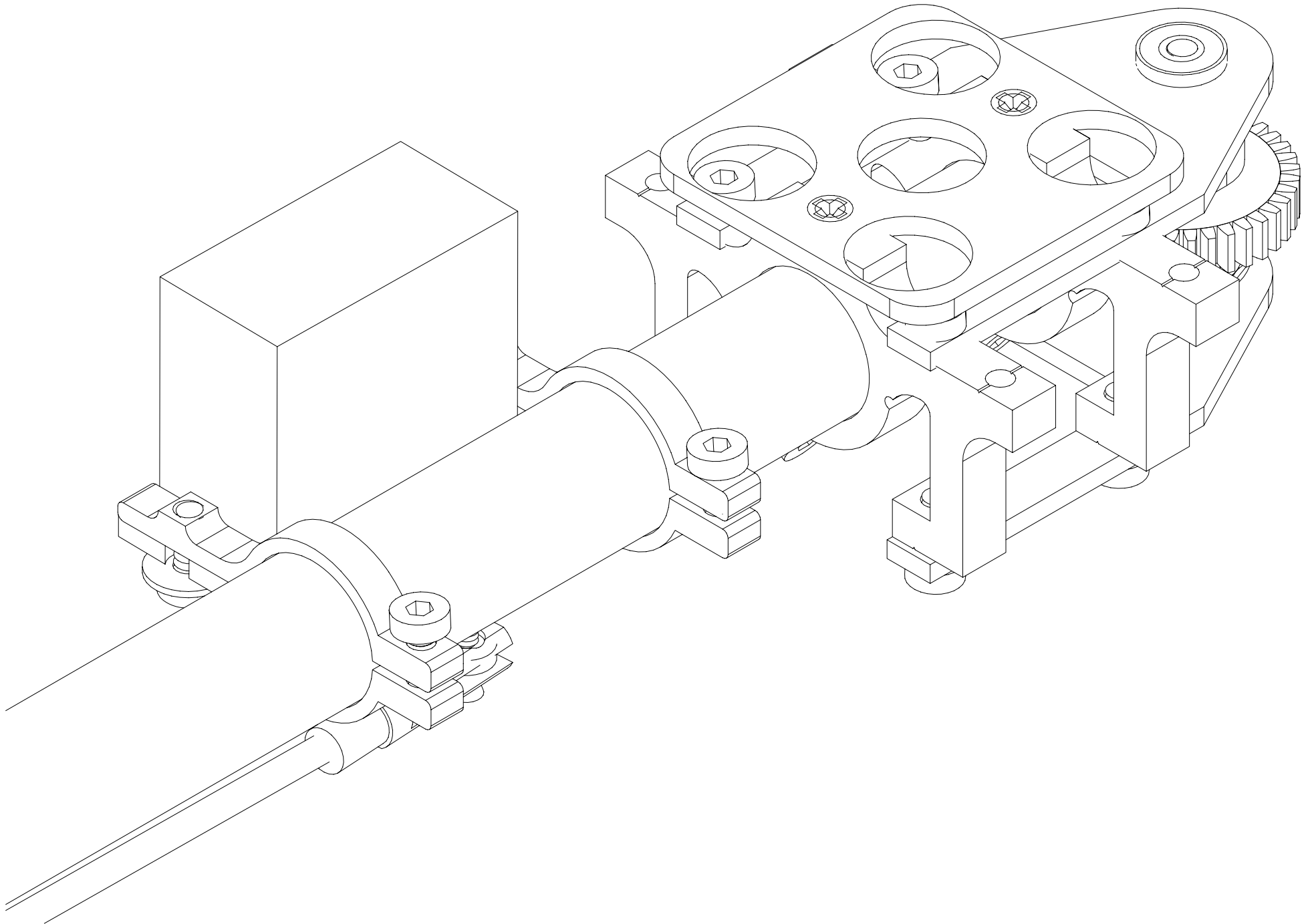


NO.	Part NO.	Discription	Q' TY	Specification	NO.	Part NO.	Discription	Q' TY	Specification
45	SJ20001	Cap screw	2	M1.5×4mm	56	AL3021	Tail shaft tube	1	Ø2×Ø4×4mm
46	SJ10007	Bearing	2	Ø1.5×Ø4×2mm	57	SJ20003	Cap screw	1	M2×5mm
47	AL3036	Underlay	2	Ø1.5×Ø2.5×0.5mm	58	SJ20003	Cap screw	1	M2×5mm
48	AL3025	Horizontal stand	1		59	SJ40002	Round head screw	1	M1.6×4mm
49	AL3024	Connecting rod rest	1		60	SJ20003	Cap screw	1	M2×5mm
50	AL3023	Tail boom stand	1		61	SJ20003	Cap screw	2	M2×5mm
51	AL3022	Tail servo mount	2		62	CF2002	Tail servo link	1	
52	FG1007-F/C	Fiberglasslateral (F) / Carbonfiber (C) Level blade	1		63	SJ30002	Tstainless steel screw	1	M1.6×6mm
53	AL3021	Bearing stand of tail rotor shaft	1		64	SJ20003	Cap screw	2	M2×5mm
54	SJ20003	Cap screw	1	M2×5mm	65	AL30236	Underlay	2	M2.5
55	SJ10010	Bearing	1	Ø2×Ø6×2.5mm					

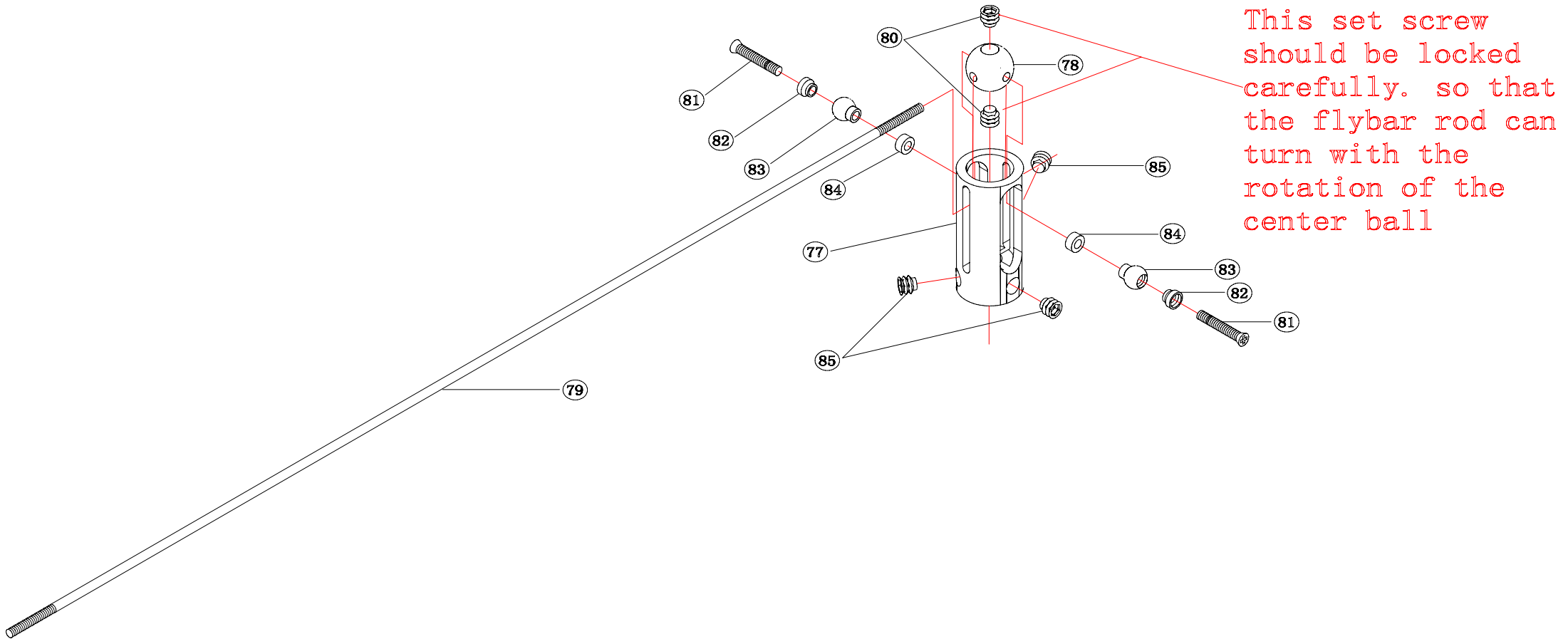


NO.	Part NO.	Description	Q'TY	Specification	NO.	Part NO.	Description	Q'TY	Specification
66	AL3006	Tail boom link	2		72	SJ10005	Flange bearing	2	$\varnothing 2 \times \varnothing 6 \times 2.5\text{mm}$
67	SJ20004	Cap screw	2	M2×8mm	73	FG3012-F/C	Fiberglasslateral (F) / Carbonfiber (C) Tail drive gear board	2	
68	HS3008	Front shaft belt wheel	1						
69	PL2003	Tail drive gear set	1		74	SJ20003	Cap screw	8	M2×5mm
70	SJ20009	Set screw	2	M3×3mm	75	FG3008-F/C	Fiberglasslateral (F) / Carbonfiber (C) Gyro board	1	
71	SJ3036	Underlay	1	M2	76	SJ30009	Countersunk screw	2	M2×3mm

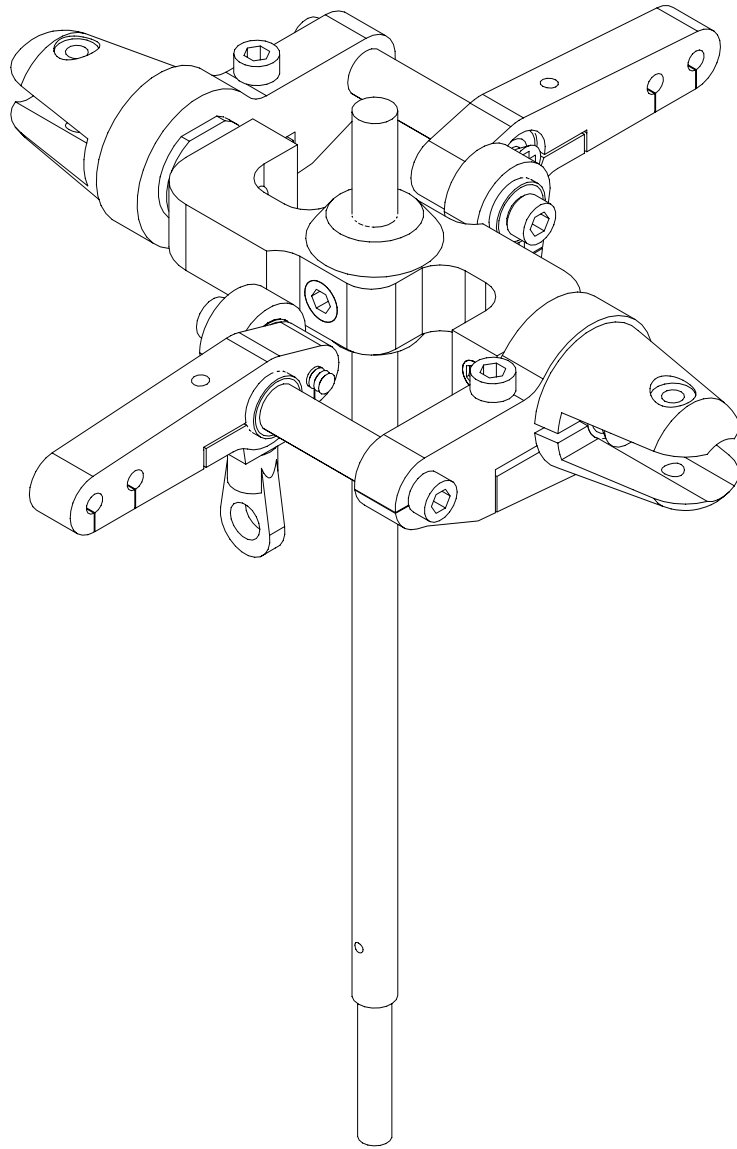




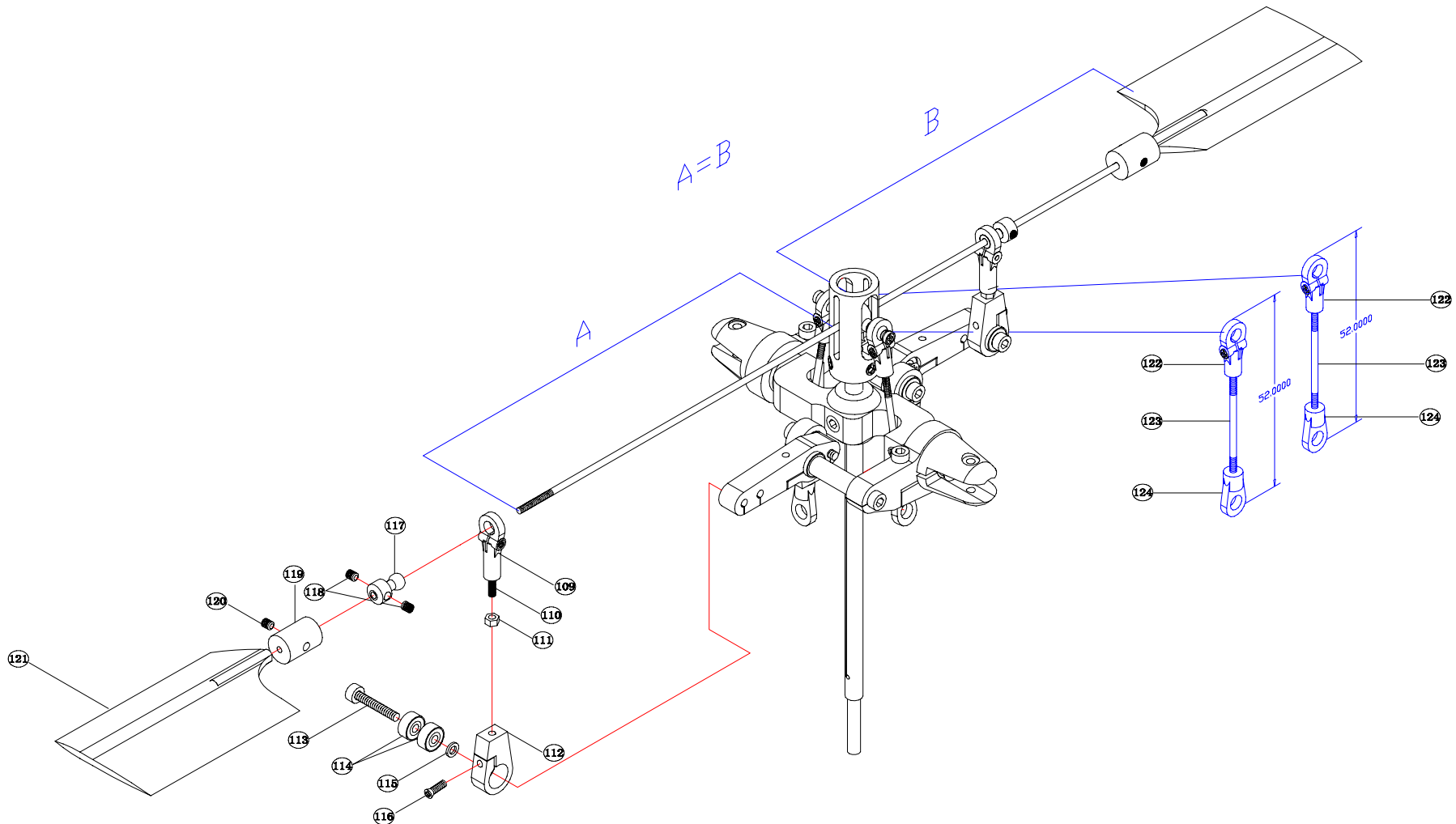
NO.	Part NO.	Discription	Q' TY	Specification	NO.	Part NO.	Discription	Q' TY	Specification
77	AL3011	flybar stand	1		82	AL3037	linkage ball safety botton	2	M2
78	AL3012	flybar ball	1		83	AL1039	linkage ball	2	
79	HS1001	flybar rod	1	$\varnothing 1.5 \times 210\text{mm}$	84	AL3012	washer	2	$\varnothing 1.6 \times \varnothing 3 \times 1.4\text{mm}$
80	SJ20009	set screw	2	$M3 \times 3\text{mm}$	85	SJ20009	set screw	3	$M3 \times 3\text{mm}$
81	SJ30006	countersunk screw	2	$M1.6 \times 10\text{mm}$					



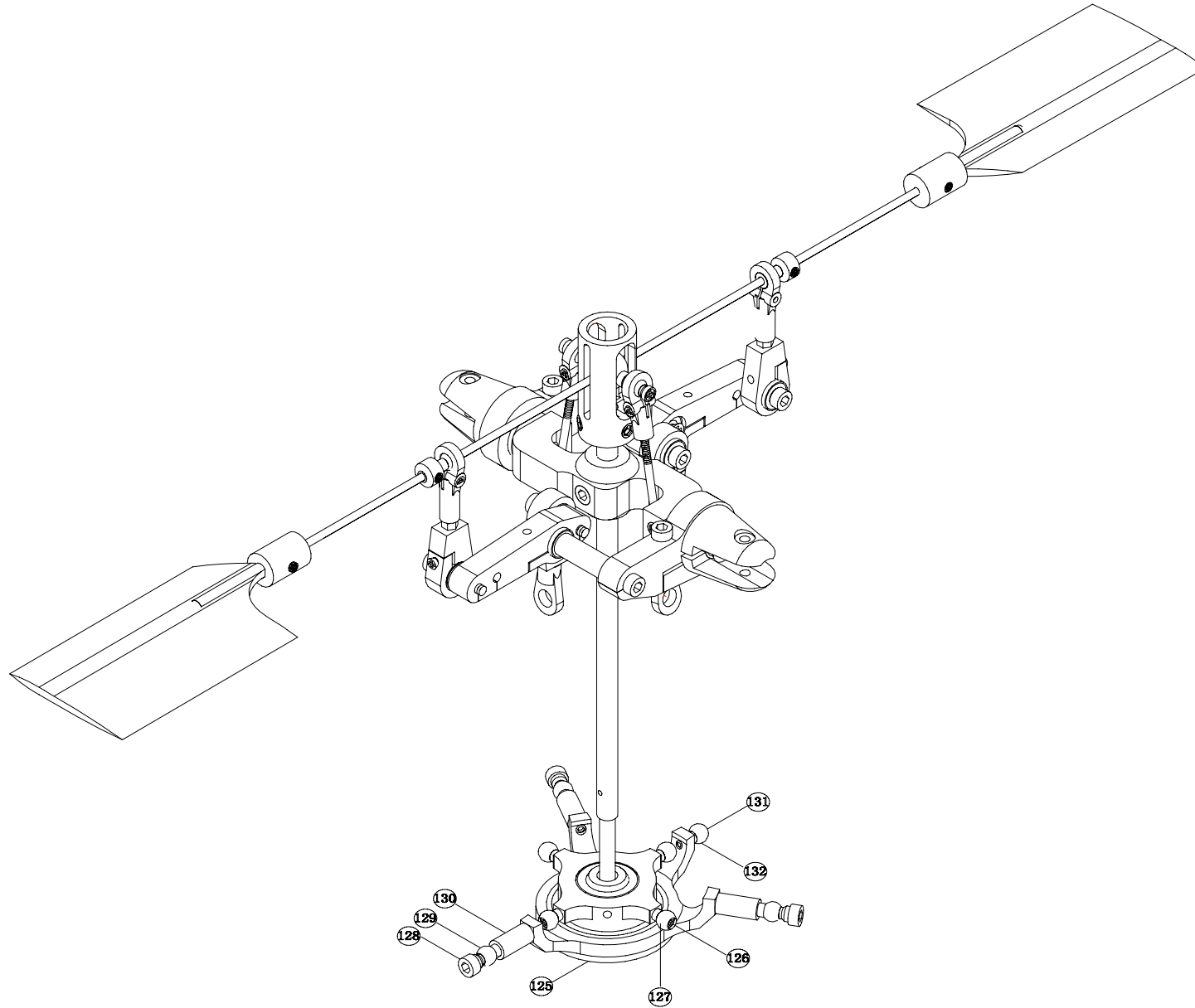




NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
109	PL1009T	Adjustable ball link	2	H17.5mm	117	TB0025	Flybar linkage ball	2	
110	HS1005	Linkage rod	2	Ø1.6×10mm	118	SJ20007	Set screw	4	M2×2mm
111	SJ70002	Nut	2	M1.6	119	C01001	Copper ingot	2	
112	AL3004	Mixing linkage rod subassembly	2		120	SJ20007	Set screw	2	M2×2mm
113	SJ20005	Cap screw	2	M2×10mm	121	PL1007	Playbar paddel	2	M1.6×7mm
114	SJ10010	Bearing	4	Ø2×Ø6×2.5mm	122	PL1008T	Adjustable ball link	2	H13.5mm
115	AL3036	Underlay	2	Ø2×Ø3.5×0.5mm	123	HS1005	Linkage rod	2	Ø1.5×35mm
116	SJ40001	Round head screw	2	M1.6×6mm	124	PL1010	Ball link	2	H11mm

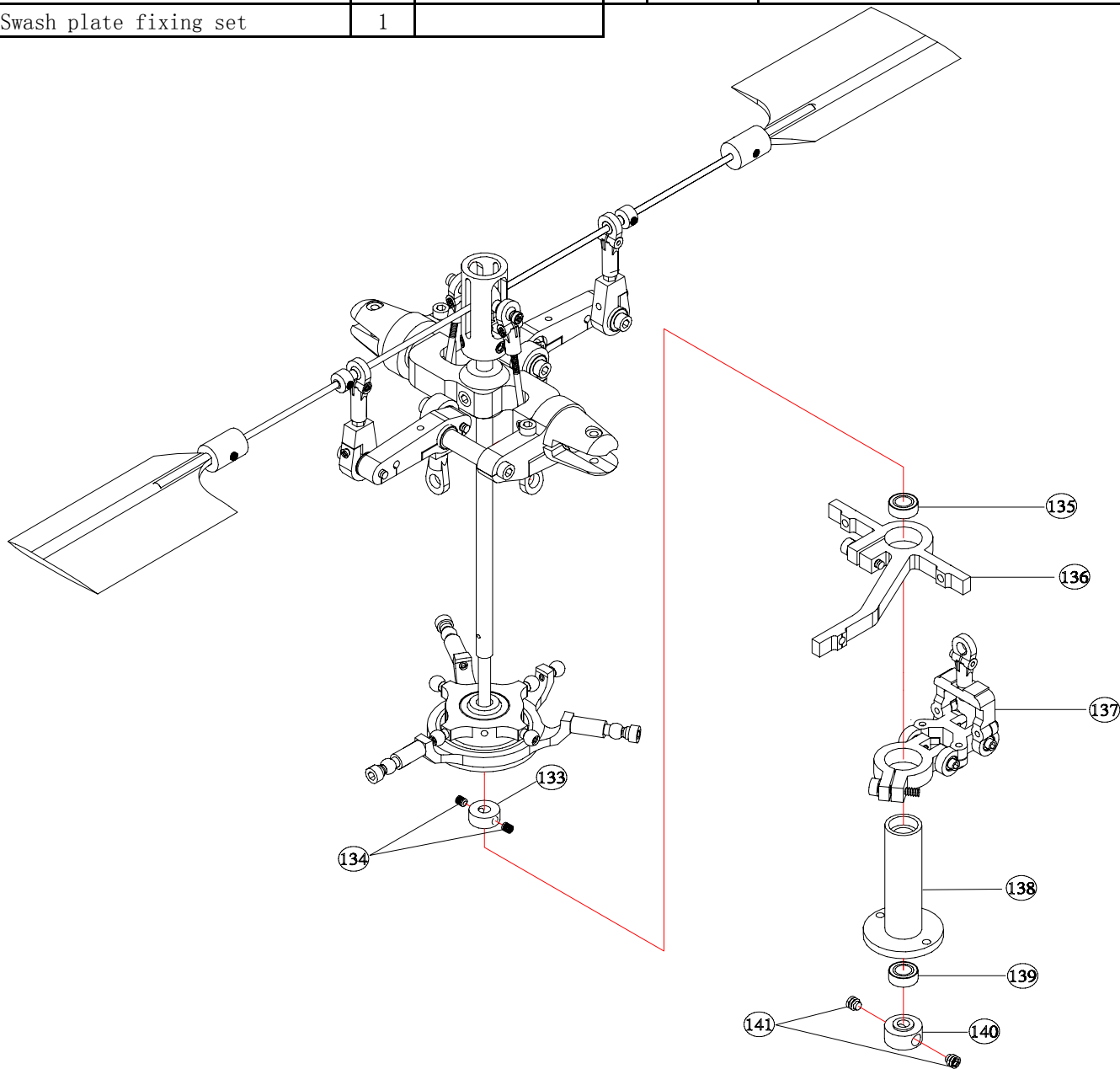


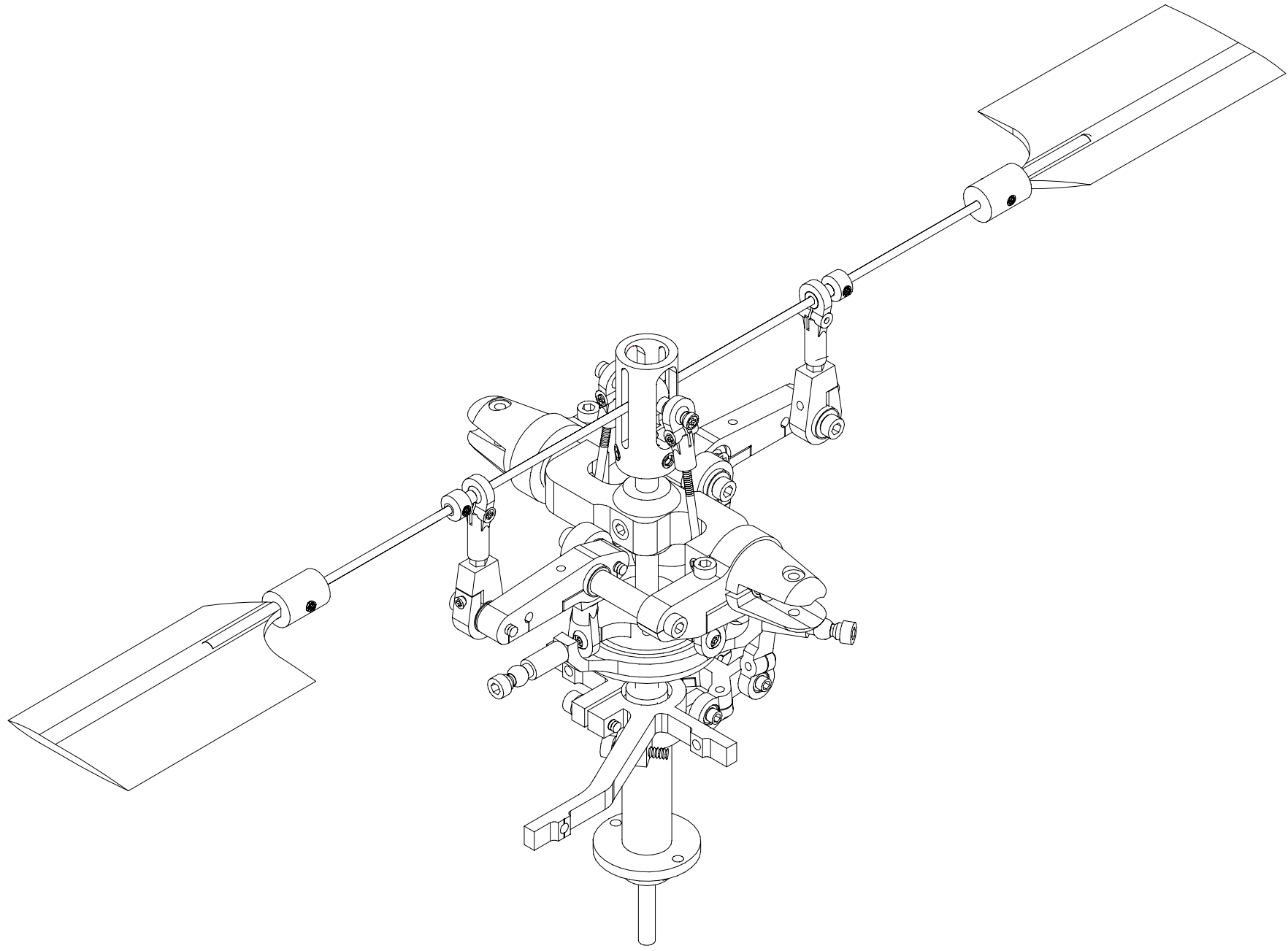
NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
125	AL3014	swash plate	1		129	AL1039	ball link	3	
126	SJ30002	countersunk screw	4	Ø1.6×6mm	130	AL3014	swash plate washer	3	Ø2×Ø4×8mm
127	AL1039	ball link	4		131	SJ30002	countersunk screw	1	Ø1.6×6mm
128	SJ20006	cap screw	3	M2×16mm	132	AL1039	ball link	1	



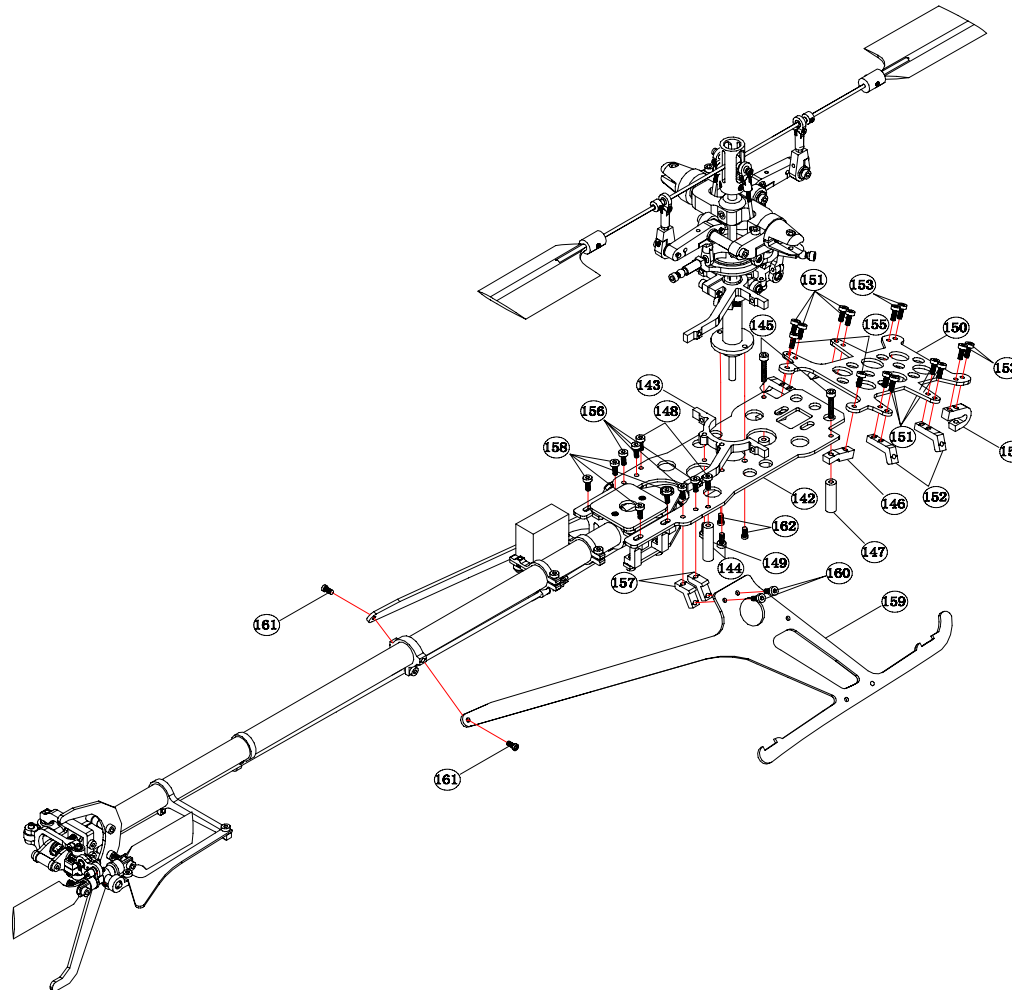


NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
133	AL1040	Main shaft fixing	1		138	AL3005	Main shaft stand	1	
134	SJ20007	Set screw	2	M2×2mm	139	SJ10003	Bearing	1	Ø4×Ø7×2.5mm
135	SJ10003	Bearing	1	Ø4×Ø7×2.5mm	140	AL2035	Main shaft fixing (underside)	1	
136	AL3002	Up servo mount	1		141	SJ20007	Set screw	2	M2×2mm
137	AL3001	Swash plate fixing set	1						

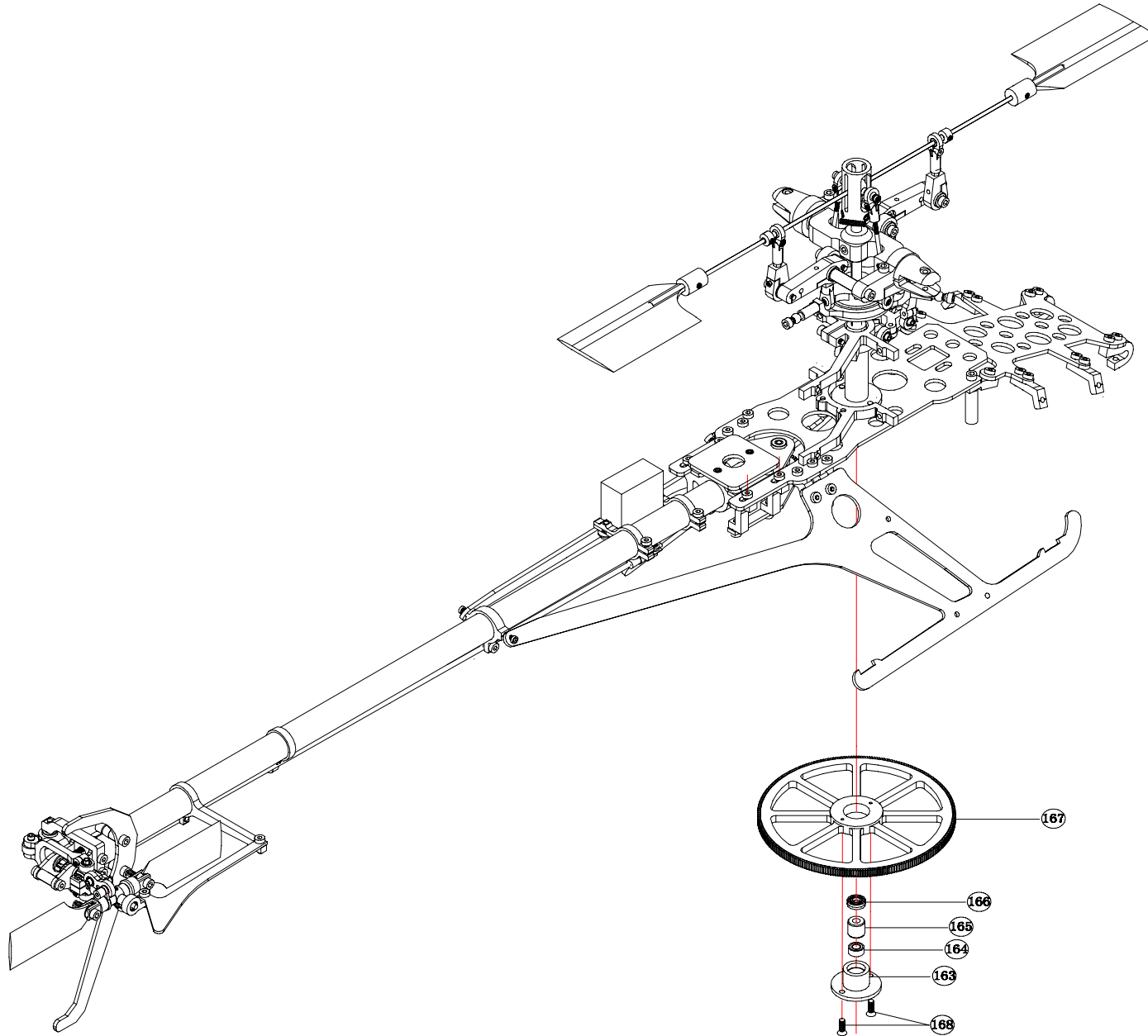




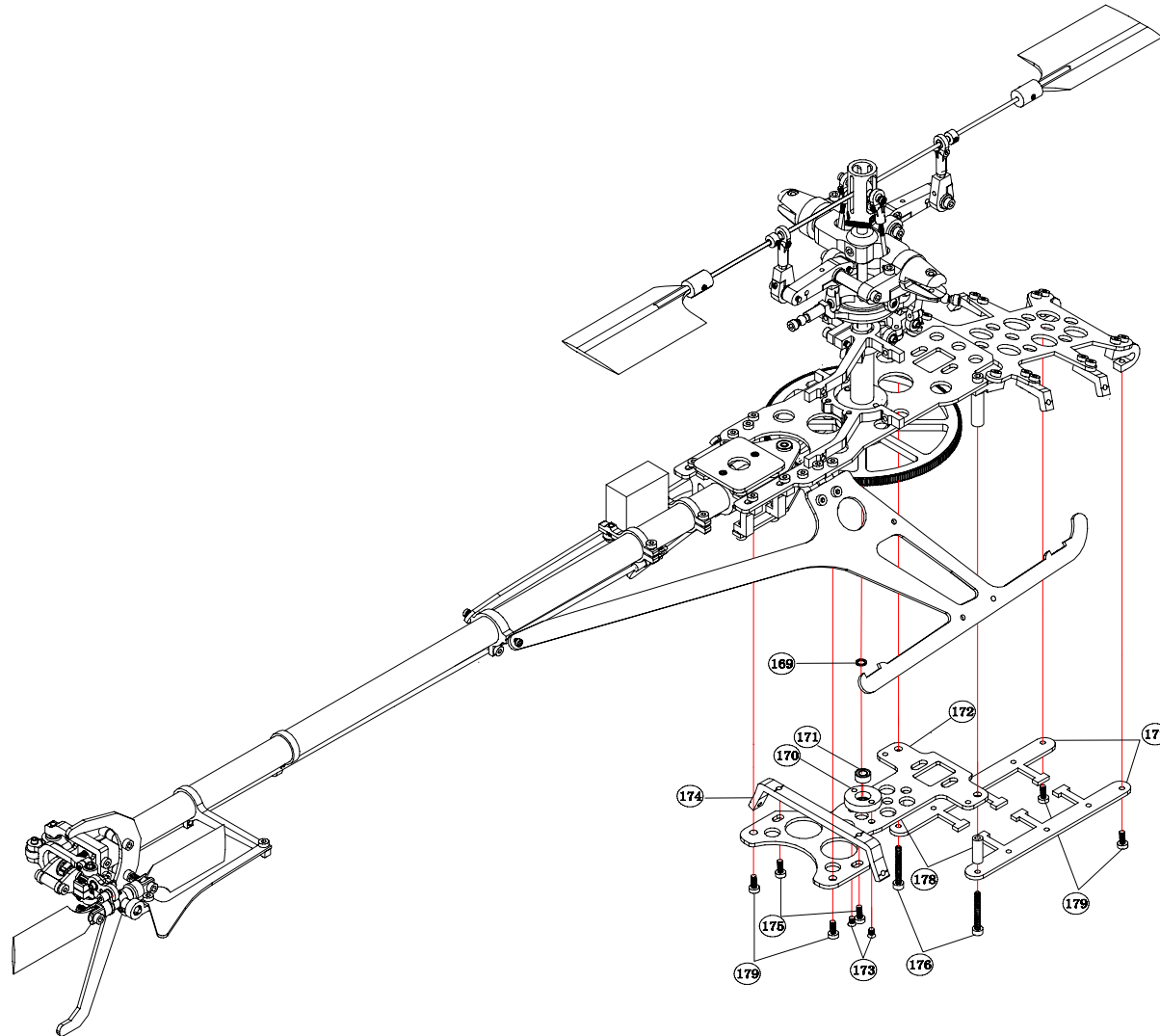
NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
142	FG3001-F/C	Fiberglasslateral (F) / Carbonfiber (C) board over main frame	1		152	AL3029	Canopy device	4	
143	AL3003	Down servo mount	1		153	SJ20003	Cap screw	4	M2×5mm
144	SJ20003	Cap screw	2	M2×5mm	154	AL3031	Battery board front link	2	
145	SJ20004	Cap screw	2	M2×8mm	155	SJ20003	Cap screw	2	M2×5mm
146	AL3030	Feathering shaft screw	2		156	SJ20003	Cap screw	4	M2×5mm
147	AL3034	Front frame board washer	2	Ø2×Ø4.5×15mm	157	AL3032	Landing skid link	4	
148	SJ20003	Cap screw	2	M2×5mm	158	SJ20003	Cap screw	4	M2×5mm
149	AL3033	Back frame board washer			159	FG3003-F/C	Fiberglasslateral (F) / Carbonfiber (C) landing skid link	2	
150	FG3006-F/C	Fiberglasslateral (F) / Carbonfiber (C) battery board	1		160	SJ20003	Cap screw	4	M2×5mm
151	SJ20003	Cap screw	8	M2×5mm	161	SJ20012	Cap screw	2	M2×4mm
					162	SJ20012	Cap screw	2	M2×4mm



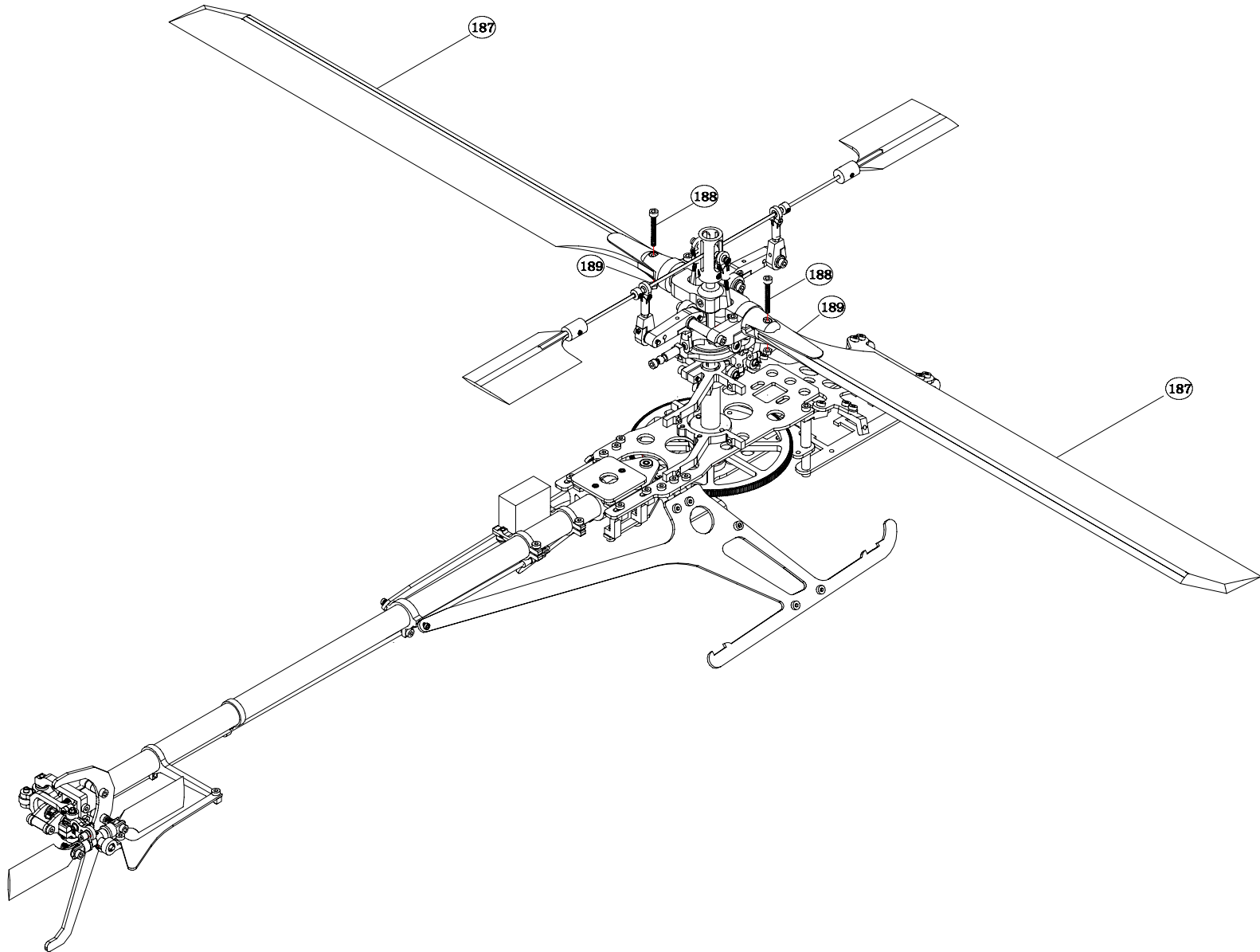
NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
163	AL3026	One-way bearing stand	1		166	SJ10009	Bearing	1	$\varnothing 3 \times \varnothing 7 \times 2\text{mm}$
164	SJ10008	Bearing	1	$\varnothing 3 \times \varnothing 6 \times 2.5\text{mm}$	167	PL1005	Main drive gaer	1	
165	SJ10001	One-way bearing	1	$\varnothing 3 \times \varnothing 6.5 \times 6\text{mm}$	168	SJ30004	Countersuk screw	2	M2 $\times$ 6mm



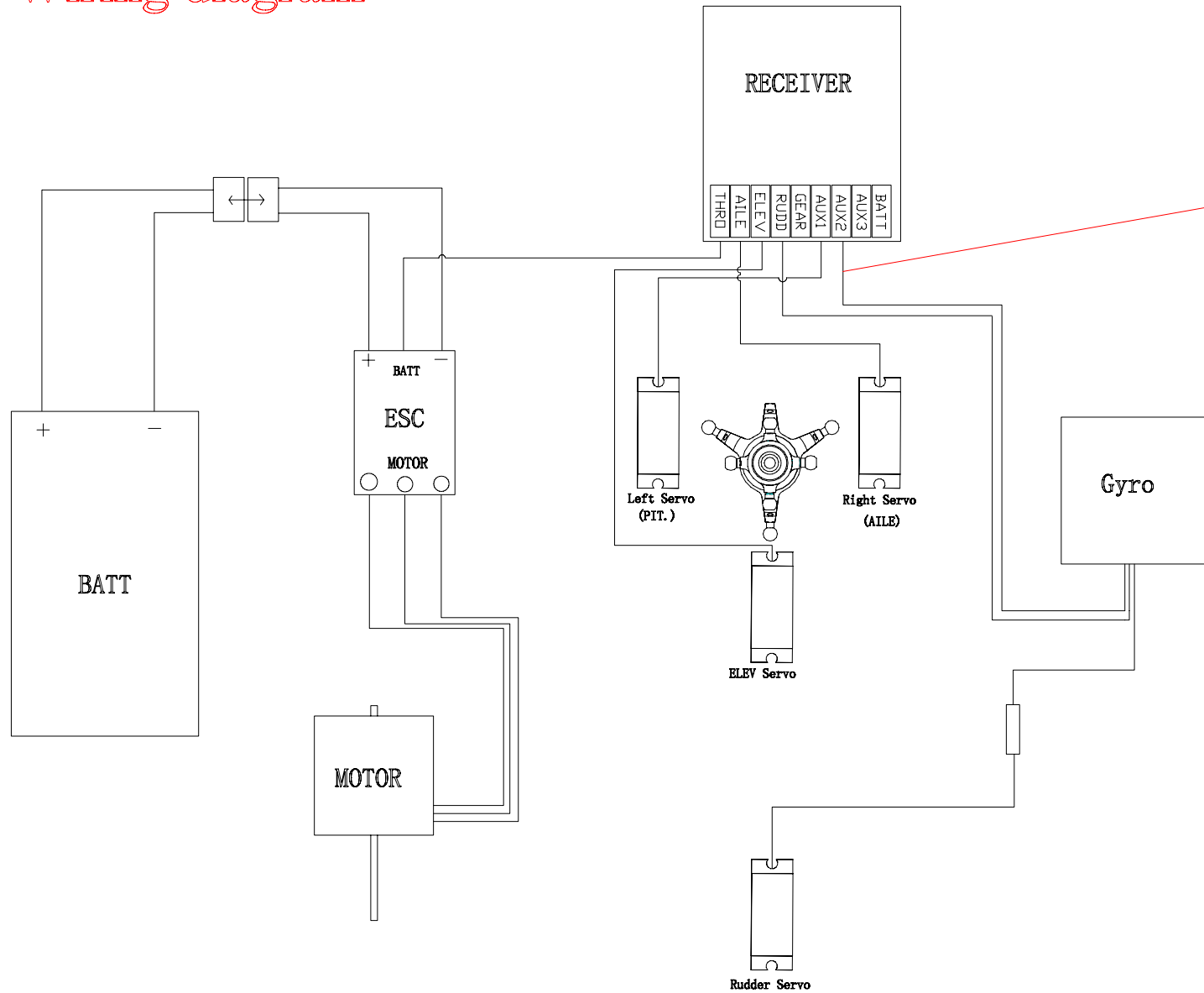
NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
169	AL3036	Underlay	1	M3	178	AL3035	Down front board washer	2	Ø2×Ø4×10mm
170	AL3027	Bearing tand under main shaft	1		179	SJ20003	Cap screw	4	M2×5mm
171	SJ10008	Bearing	1	Ø3×Ø6×2.5mm	180	SJ20005	Cap screw	2	M2×10mm
172	FG3002-F/C	Fiberglasslateral (F) / Carbonfiber (C) board under main frame	1		181	FG3010-F/C	Fiberglasslateral (F) / Carbonfiber (C) strengthen landing skid board-2	2	
173	SJ30009	Countersuk screw	2	M2×3mm	182	SJ70002	Nut	2	M2
174	AL3028	Beam	1		183	SJ20004	Cap screw	2	M2×8mm
175	SJ20003	Cap screw	2	M2×5mm	184	FG3009-F/C	Fiberglasslateral (F) / Carbonfiber (C) strengthen landing skid board-1	2	
176	SJ20006	Cap screw	2	M2×16mm					
177	FG3005-F/C	Fiberglasslateral (F) / Carbonfiber (C) down-front board	2		185	SJ20003	Cap screw	4	M2×5mm
					186	SJ70002	Nut	4	M2



NO.	part No	Discription	Q' TY	Specification	No	part No	Discription	Q' TY	Specification
187	CF2001	Carbonfiber main blade	2		189	SJ70001	Nut	2	M2
188	SJ20011	Cap screw	2	M2×12mm					



# Wiring diagram



Please select the right plug connector referred in ESC manual.

# The setting of transmitter and servo

- I 1) . Unplug the motor's tie-in before switching on the electricity to ensure the motor will not work after electrifying.  
 2) . Demount the four servo arms.



II Switch on the transmitter, and choose the ccpm120 mode.

(SWASH TYP)

3servos

120°



III Switch on the transmitter and the heli's battery electricity. Don't move the heli until the gyro opening program is finished. And then turn off the electricity. Then, the servo is in its central position



- IV Join the servo arms and the linkage rods. Move the servo mount to (1) Make sure the angle between the linkage rod and servo arm is 90 degree (2) Make sure the angle between the linkage and the angle-adjusting device is 90 degree. (3) Make sure the tail rotor is in such a state, where the angle of attack of the balancing counterforce is 3-5 degree (that is, when the tail rotor is rotating, the thrust of the tail rotor and the main rotor's rotating are in the same direction) Please refer to the illustration one and two.



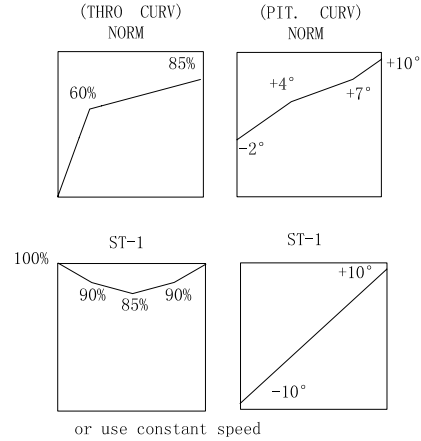
V Turn on the transmitter, and the electricity on the heli. (before the adjustment has been finished, do not wire the motor. Switch on the servos.

- (1) Check whether the right and left tail blades are at the same angle. You can move central connector of tail rotor to adjust them at the same angle (after this, you should repeat all the actions in the last steps to make the joints at 90 degree). (2)when push the servo to its full capability, you must leave some space in the tail-adjusting device (otherwise, it can not work normally and life span will be reduced). And adjust the flying capacity on the gyro and transmitter.



VI Switch on the transmitter and the heli's electricity, push the gun in the center (PIT. 50%). Fix the 3 ccpm servo arms according to the page of linkage rod adjustment and the explanation, and keep the servo arm level and the linkage rod 90 degree with it.

VII Set up the main rotor, push the gun in the center position, switch on the transmitter and then the electricity of the heli, after that, set the screw distance and select the proper gun position.



when measuring the main rotor's screw distance, make sure the consistency on the both sides. (You can adjust it with screw distance linkage rod)



VIII Find the most proper locked angle of the tail rotor. Wire the motor before switching on the electricity, then switch on the transmitter and select the right plug connector of gyro under 49 % ( in the unlocked mode)

(GYRO SENS)  
RUDD D/R

Rate:  
0:40%

push the gun to the lowest position, and switch on the electricity in a safe place. Keep the heli a safe enough distance from people, then start to test the flying with hanging in a height of about 1 meter in the air, and constantly readjust the angle of the tail rotor blades, until the heli can hang in the air itself without adjusting the rudder. After the heli lands on, turn off the electricity on the heli, and lock the gyro to the locked mode as

Rate:  
0:74~76  
1:65~75

Then switch on the battery electricity again. After the gyro finishes the opening program, you can then have a complete test of the heli ( to lock the mode you must switch on the electricity again)



## Power System:

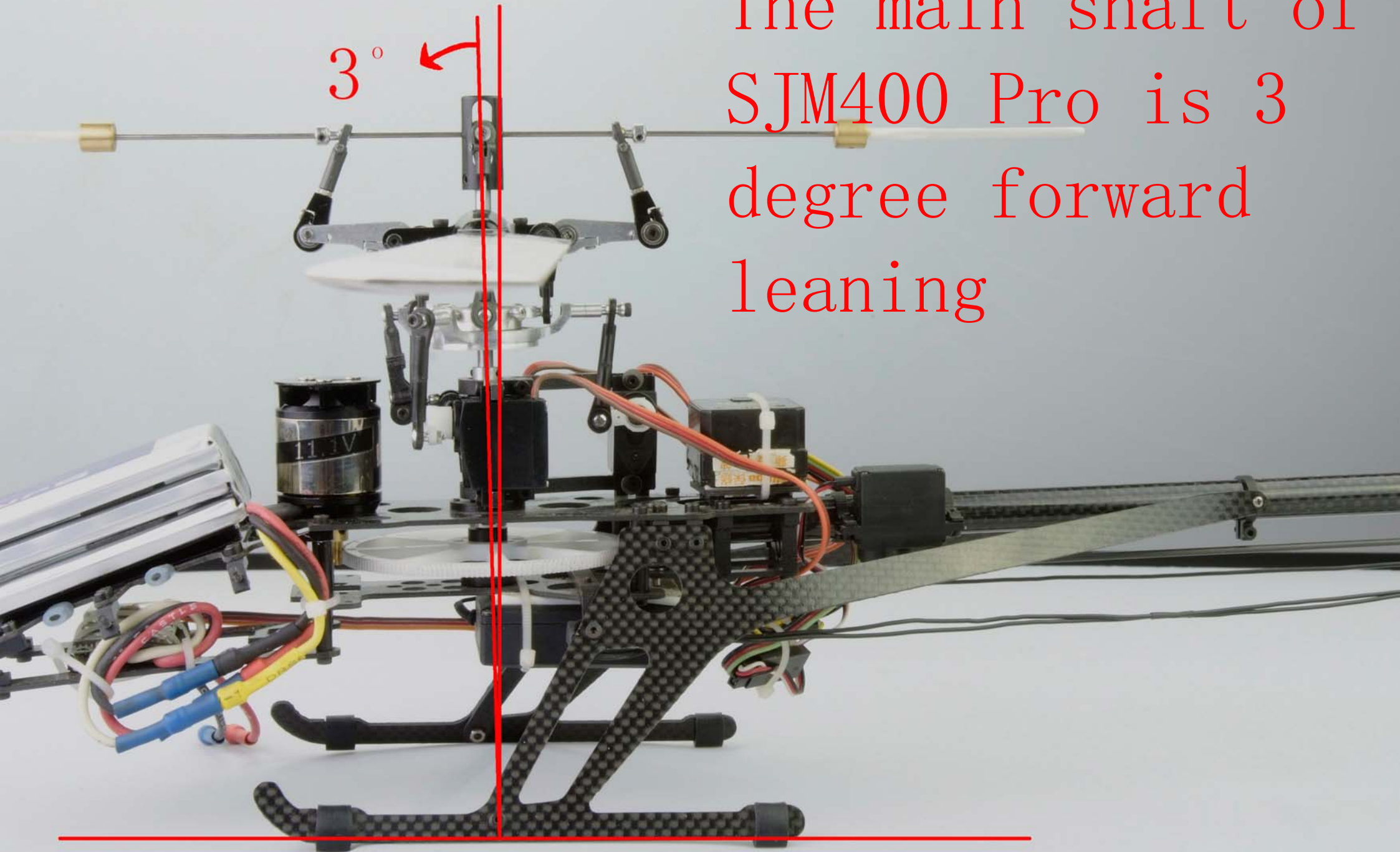
1) The motor and the ESC need matching test. Please choose our motors and ESC. In the NORM condition, the highest speed of the main rotor of the SJM400 Pro is 2200~2600rpm; in the ST-1 condition, it is 2800~3200rpm.

2) Through gear decelerating structure, the motor can make the main rotor rotate. You can choose 10T, 12T, 14T motor copper gears (attached to the kit) to change the decelerating speed. ( SJM400 PRO ' s main rotor gear is 180T)

$$V \text{ (battery voltage)} \times K_v \text{ (motor rev /v of)} \times \text{the number of motor' s teeth} \div 180 \text{ (main rotor gear)} =$$
  
the rev of the main rotor

3) Our ESC (25A / 30A, BEC3A) can be matched with .3s 11.1V and 4s 14.8V Li-battery.

4) Please use (3s) 11.1V, 1300~2000mAH, and over 12c Li-battery.



The main shaft of SJM400 Pro is 3 degree forward leaning

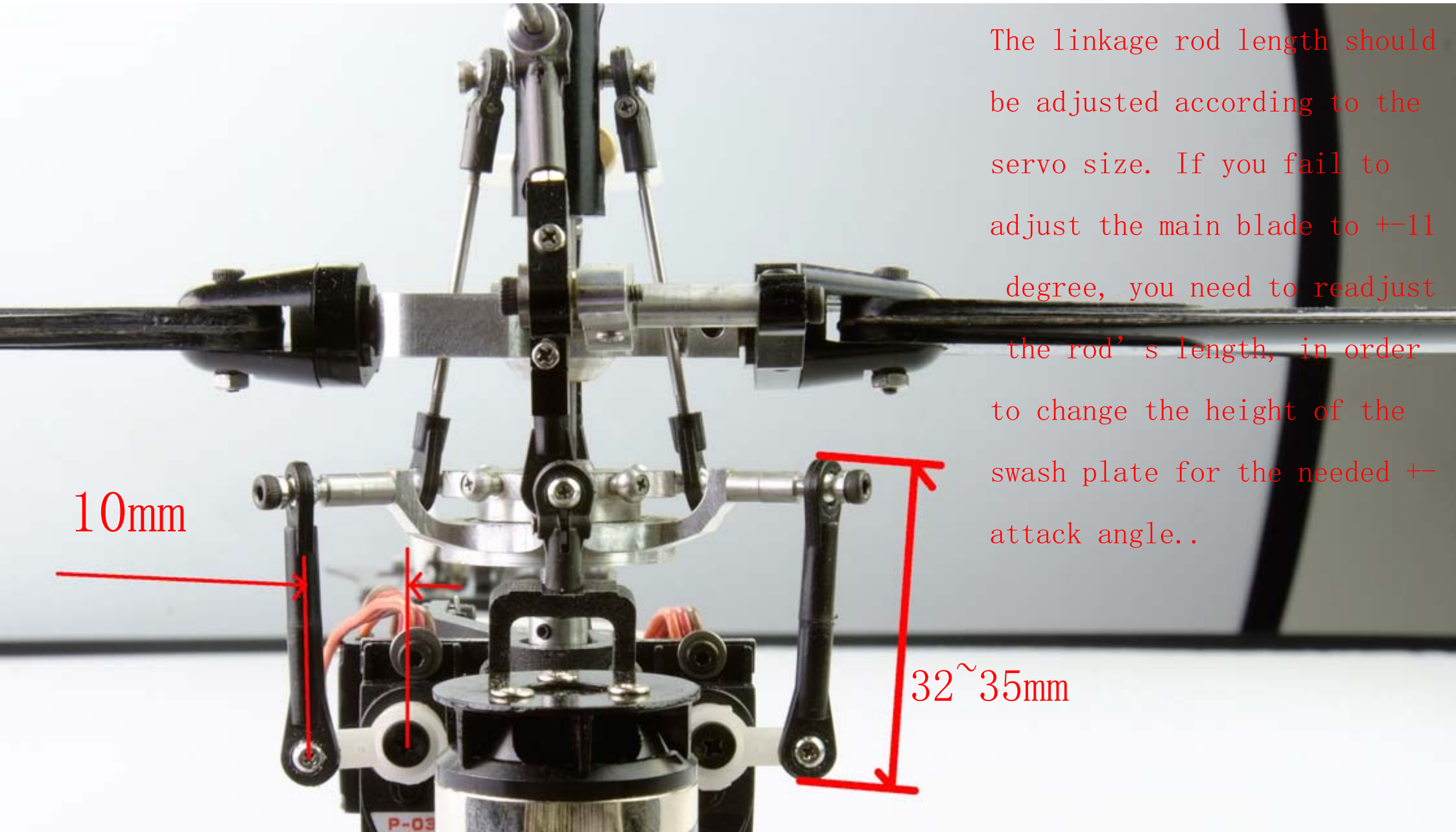
The main shaft of  
SJM400 Pro is 3  
degree forward  
leaning





It is right to measure  
the angel before or  
behind the main shaft.



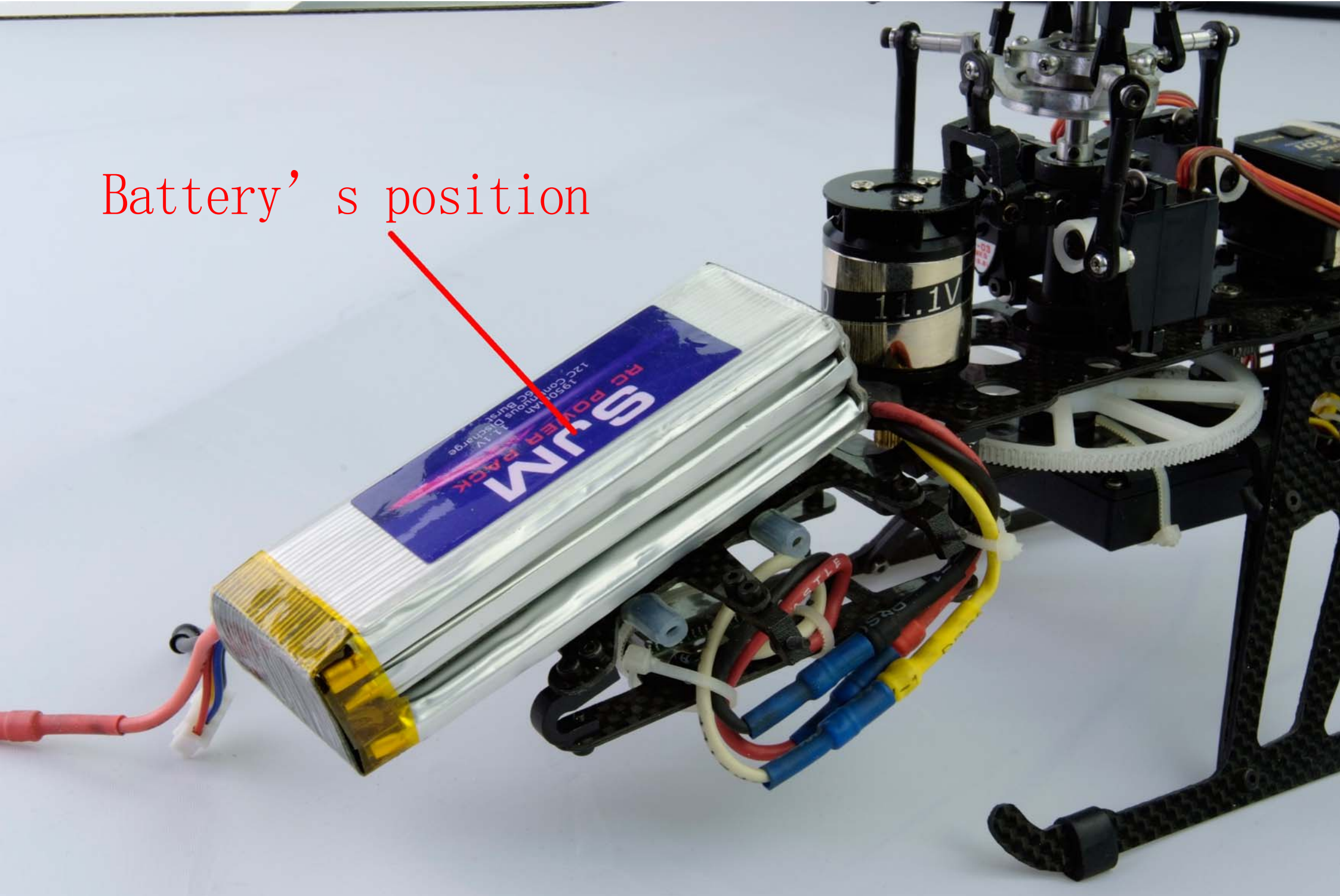


10mm

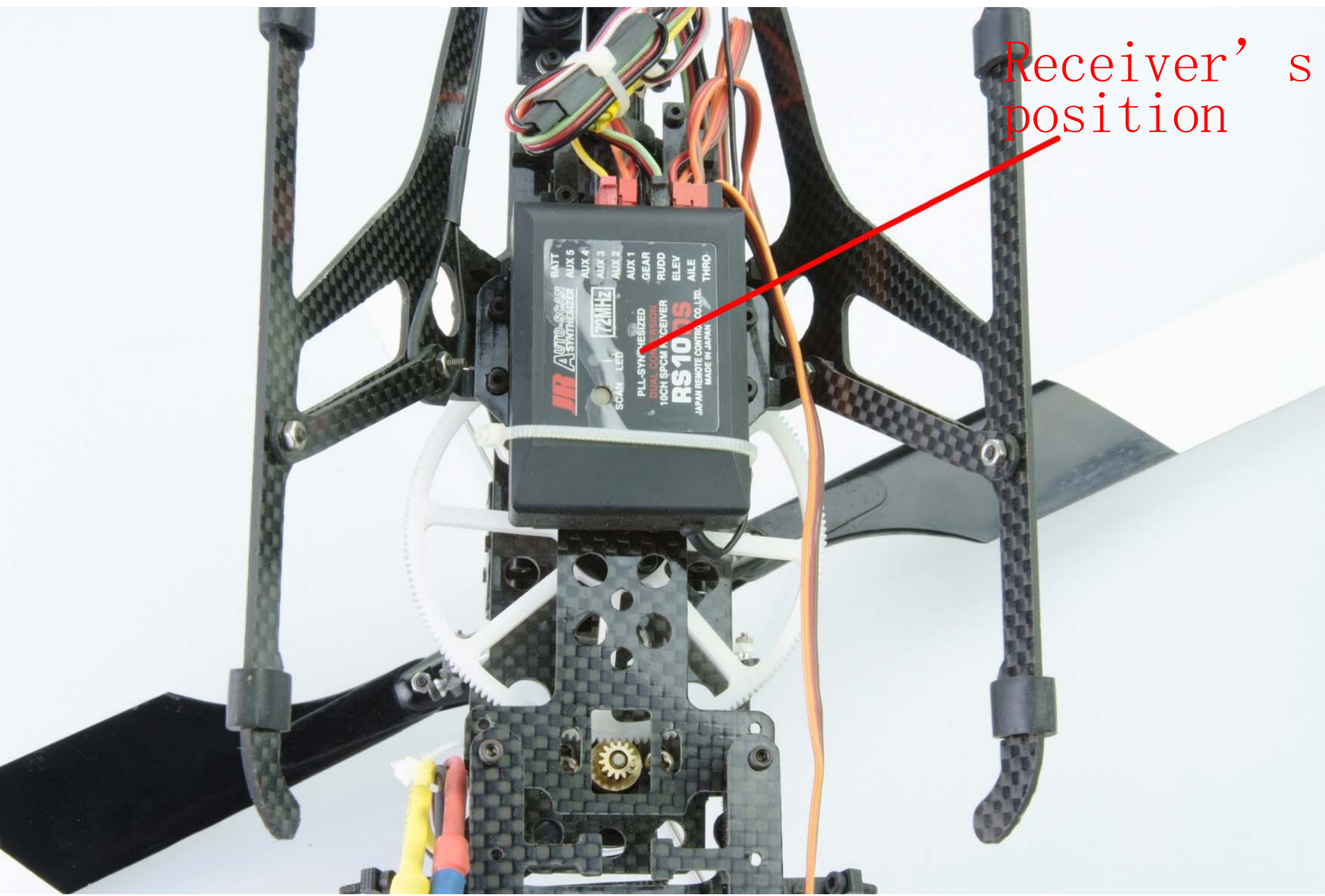
32~35mm

The linkage rod length should be adjusted according to the servo size. If you fail to adjust the main blade to  $\pm 11$  degree, you need to readjust the rod's length, in order to change the height of the swash plate for the needed  $\pm$  attack angle..

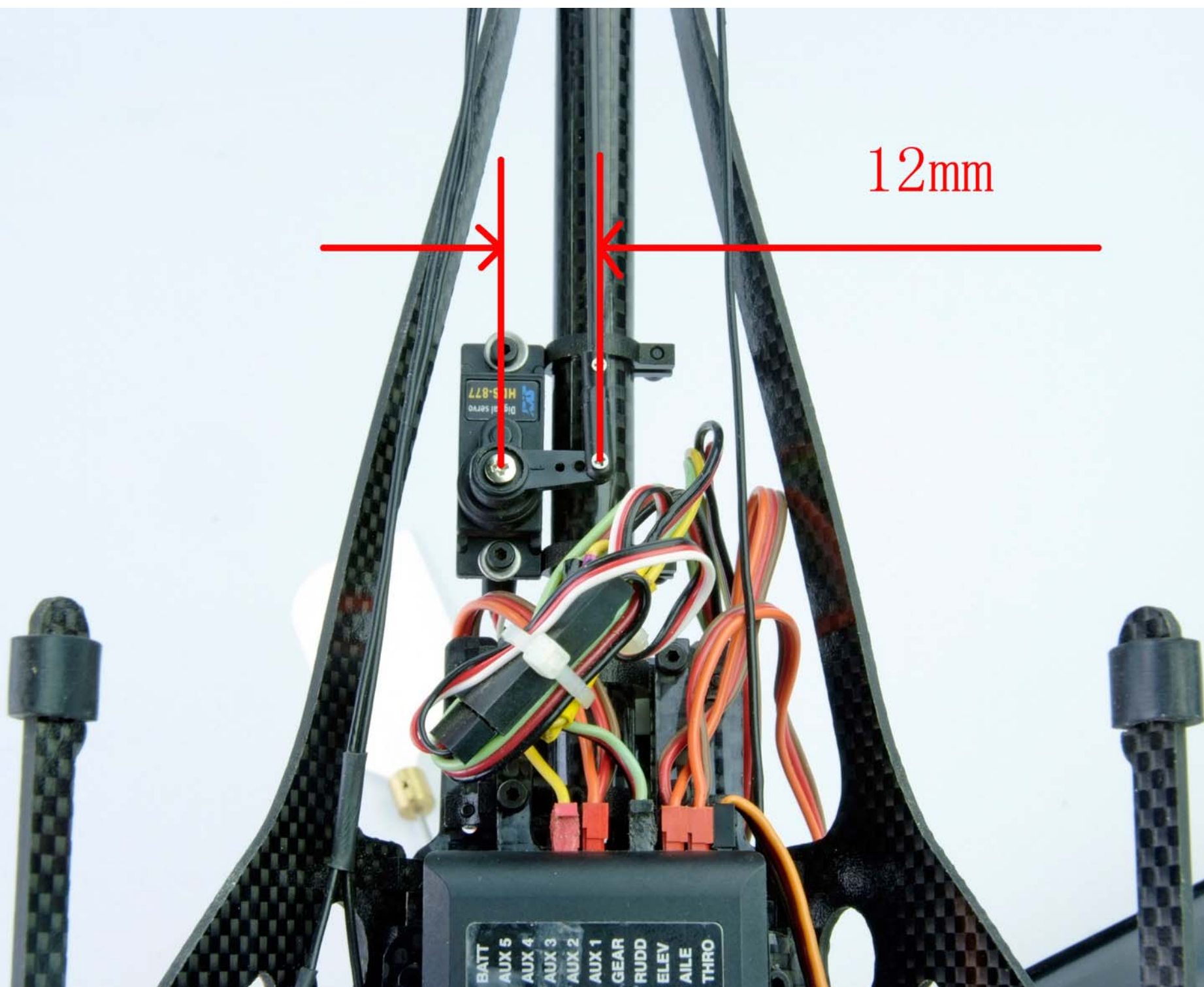
Battery' s position



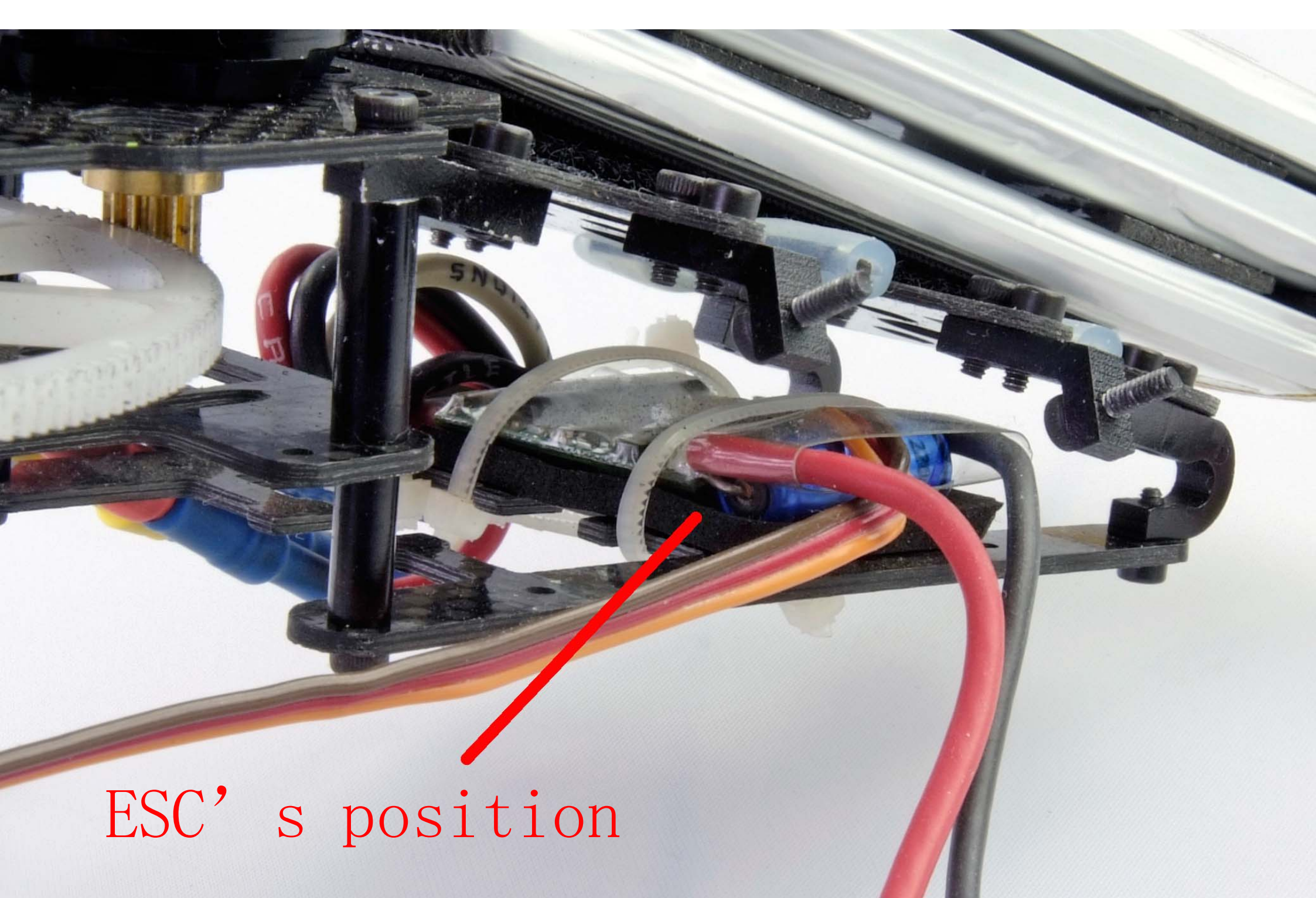
Receiver's position



12mm

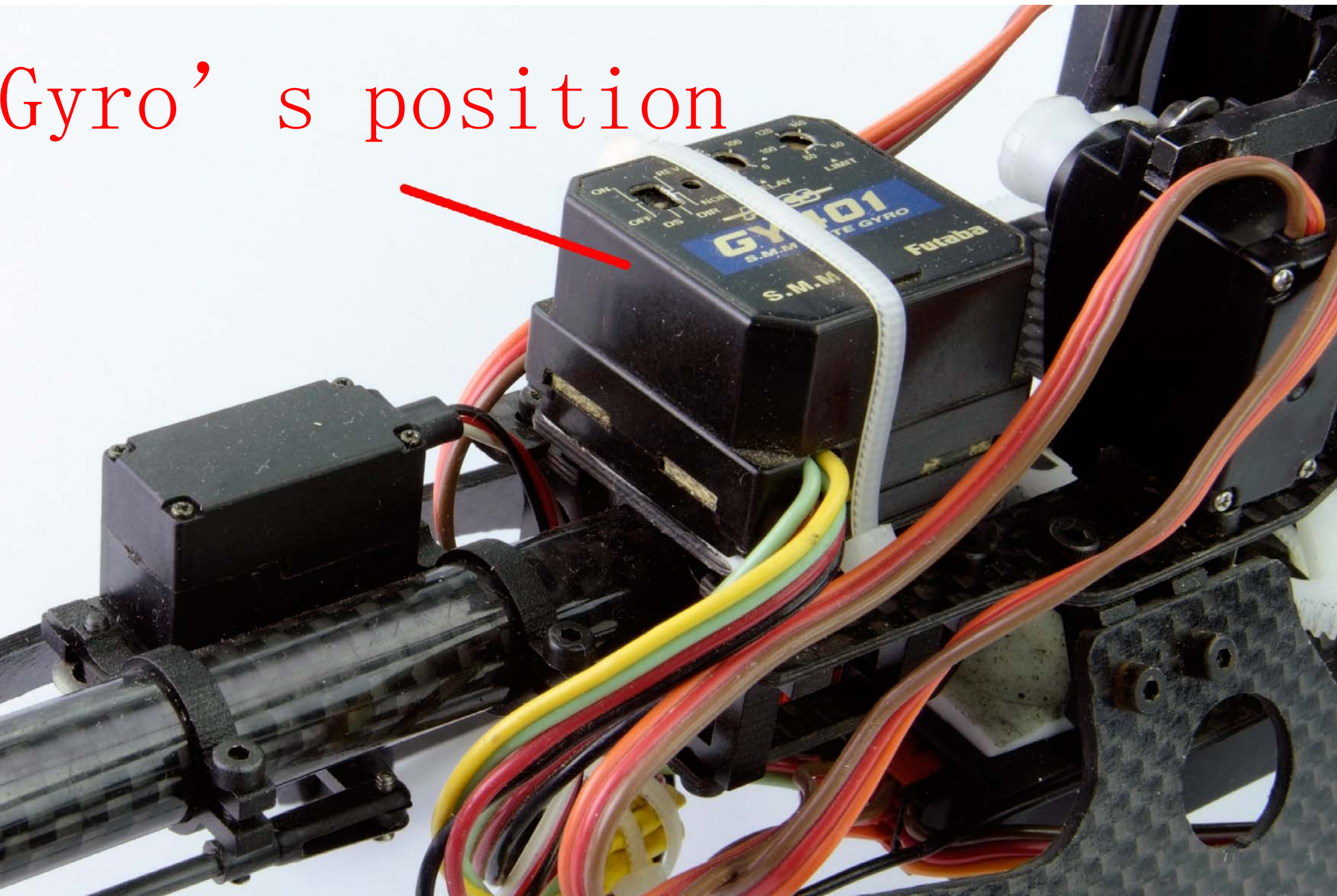


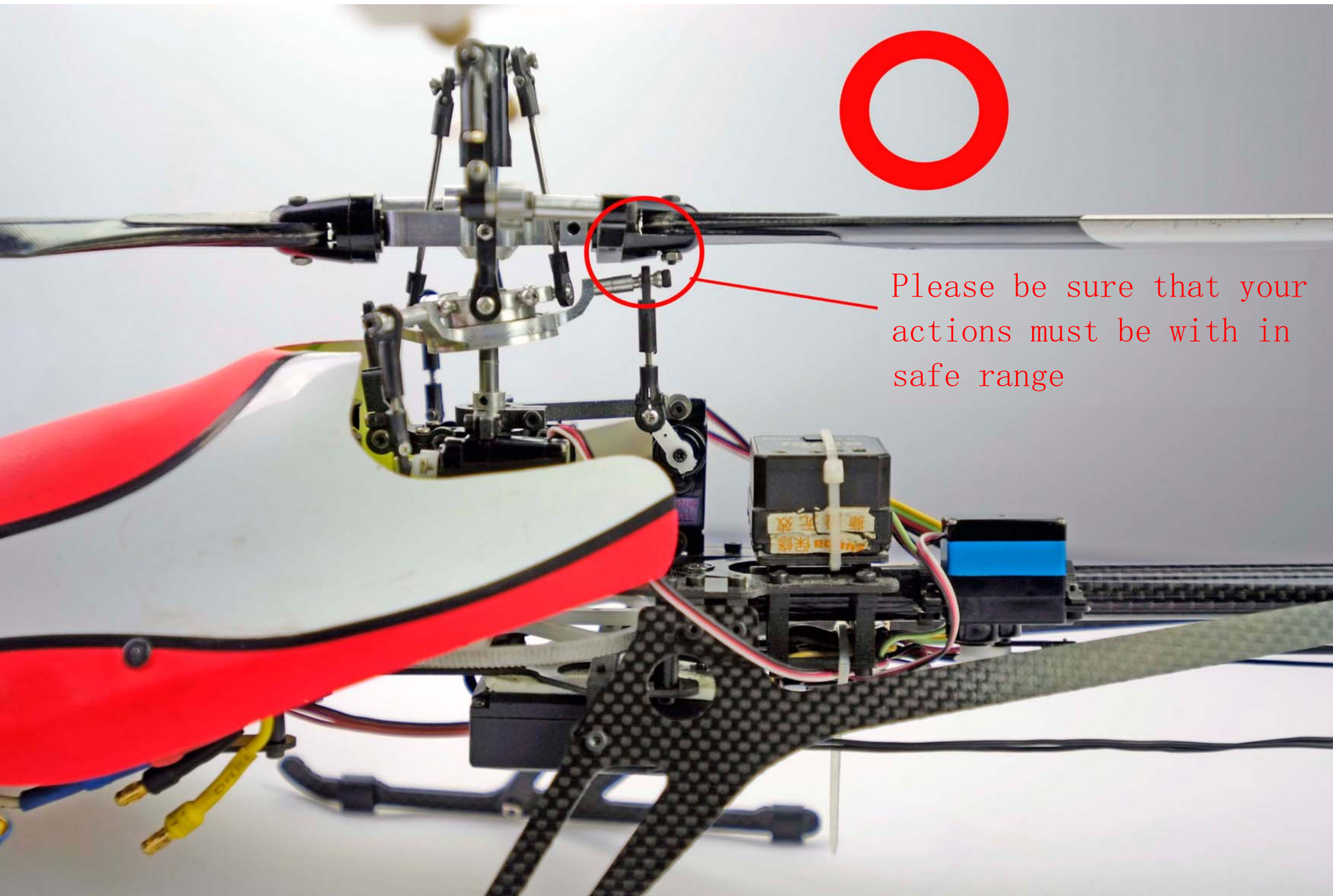




ESC's position



























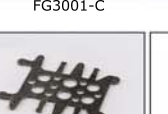







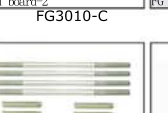



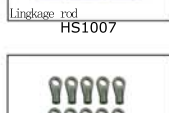
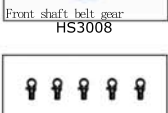
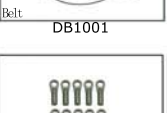

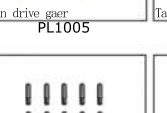

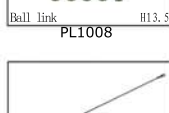
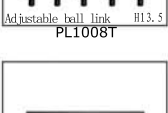





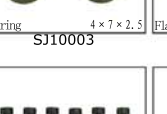




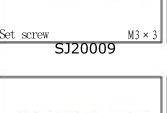
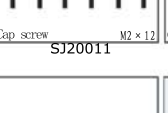





Gyro's position





Please be sure that your actions must be within safe range

# OPTIONAL SPARE PARTS

 Swash late fixing set AL3001	 Up servo mount AL3002	 Down servo mount AL3003	 Flybar mixing arm set (subassembly) AL3004	 Main shaft stand AL3005	 Tail boom link AL3006	 Main blade clincher AL3007	 Main blade clincher arm AL3008	 Main blade clincher link AL3009
 Main blade clincher center AL3010	 Flybar stand AL3011	 Flybar copper ball AL3012	 Mixing arm AL3013	 Swash plate AL3014	 Tail angel adjusting set AL3015	 Sliding shaft set AL3016	 Tail unit housing AL3017	 Tail angel adjusting joint AL3018
 Tail blade clincher AL3019	 Tail blade center AL3020	 Tail shaft bearing stand AL3021	 Tail servo mount AL3022	 Tail boom support AL3023	 Connecting rod rest AL3024	 Level blade bracket AL3025	 One-way bearing stand AL3026	 Bearing stand under main shaft AL3027
 Beam AL3028	 Canopy device AL3029	 Battery board link AL3030	 Battery board front link AL3031	 Landing skid link AL3032	 Back frame board washer (ø2×04.5×18) AL3033	 Front frame board washer (ø2×04.5×15) AL3034	 Down front board washer (ø2×04×10) AL3035	 Underlay AL3036
 Linkage ball safety bottom AL3037	 Linkage ball AL1039	 Main shaft fixing AL1040	 Main shaft fixing (underside) AL2035	 Flybar linkage ball TB0025	 Screw cap AL2042	 FG board over main frame FG3001-F	 CF board over main frame FG3001-C	 FG board under main frame FG3002-F
 CF board under main frame FG3002-C	 FG landing skid FG3003-F	 CF landing skid FG3003-C	 FG vertical parallel blade FG3004-F	 CF vertical parallel blade FG3004-C	 FG down-front board FG3005-F	 CF down-front board FG3005-C	 FG battery board FG3006-F	 CF battery board FG3006-C
 FG lever blade FG3007-F	 CF lever blade FG3007-C	 FG gyro blade FG3008-F	 CF gyro blade FG3008-C	 FG strengthen landing skid board-1 FG3009-F	 CF strengthen landing skid board-1 FG3009-C	 FG strengthen landing skid board-2 FG3010-F	 CF strengthen landing skid board-2 FG3010-C	 FG tail unit housing board FG3011-F
 CF tail unit housing board FG3011-C	 FG tail unit housing gear board FG3012-F	 CF tail unit housing gear board FG3012-C	 Flybar rod HS1001	 Main shaft HS1002	 Feathering shaft screw (M3×16mm) HS3003	 Stainless steel washer HS3004	 Linkage rod HS1005	 Tail shaft belt gear HS3006
 Linkage rod HS1007	 Front shaft belt gear HS3008	 Belt DB1001	 Canopy PL3001	 Canopy (finished) PL3002	 Tail drive gear set PL2003	 Main drive gear PL1005	 Tail blade PL1006	 Flybar paddle PL1007
 Ball link (H13.5) PL1008	 Adjustable ball link (H13.5) PL1008T	 Ball link (H17.5) PL1009	 Adjustable ball link (H17.5) PL1009T	 Ball link (H11) PL1010	 Servo link (H17) PL1011	 Servo link (H15) PL1012	 Blade holder PL1015	 FG main blade CF2001
 Tail servo link CF2002	 CF tail boom CF2003	 ALU tail boom AL2044	 Copper ingot CO1001	 Motor gear (hole diameter 3.17, 14T) CO3004	 One-way bearing (3×6.5×6) SJ10001	 Bearing (4×7×2.5) SJ10003	 Flange bearing (2×6×2.5) SJ10005	 Bearing (3×6×2) SJ10006
 Bearing (1.5×4×2) SJ10007	 Bearing (3×6×2.5) SJ10008	 Bearing (3×7×2) SJ10009	 Bearing (2×6×2.5) SJ10010	 Cap screw (M1.5×4) SJ20001	 Cap screw (M1.5×7) SJ20002	 Cap screw (M2×5) SJ20003	 Cap screw (M2×8) SJ20004	 Cap screw (M2×10) SJ20005
 Cap screw (M2×16) SJ20006	 Set screw (M2×2) SJ20007	 Set screw (M3×3) SJ20009	 Cap screw (M2×12) SJ20011	 Cap screw (M2×4) SJ20012	 Countersuk screw (M1.6×4) SJ30001	 Countersuk screw (M1.6×6) SJ30002	 Countersuk screw (M1.6×8) SJ30003	 Countersuk screw (M2×6) SJ30004
 Countersuk screw (M2×8) SJ30005	 Countersuk screw (M1.6×10) SJ30006	 Countersuk screw (M1.6×5) SJ30007	 Countersuk screw (M2×3) SJ30009	 Round head screw (M1.6×6) SJ40001	 Round head screw (M1.6×4) SJ40002	 Nut (M2) SJ70001	 Nut (M1.6) SJ70002	 Motor
 Battery	 Main drive gear unloader T1001	 High-speed steel cap wrench T1004	 Flybar rod set AL3043	 Screw group GP2001				