EA-J150 Agricultural Spraying Drone

Material Manual

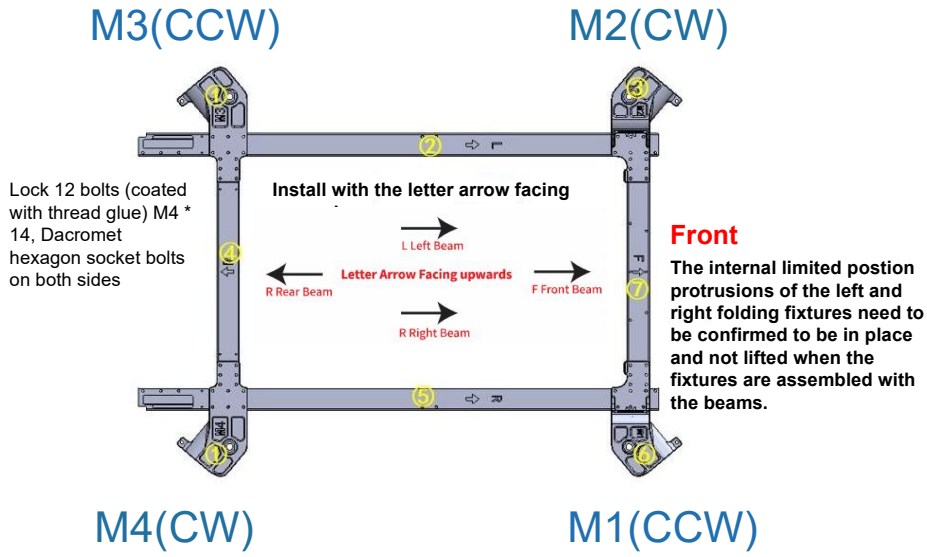


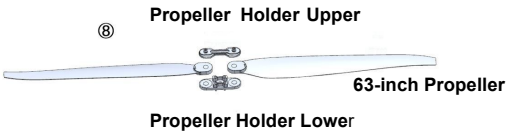
3WWDZ-U70B

Intelligent Quadrotor Agricultural Spraying Drone

Suzhou EAVISION Robotic Technologies Co.,Ltd.

Frame

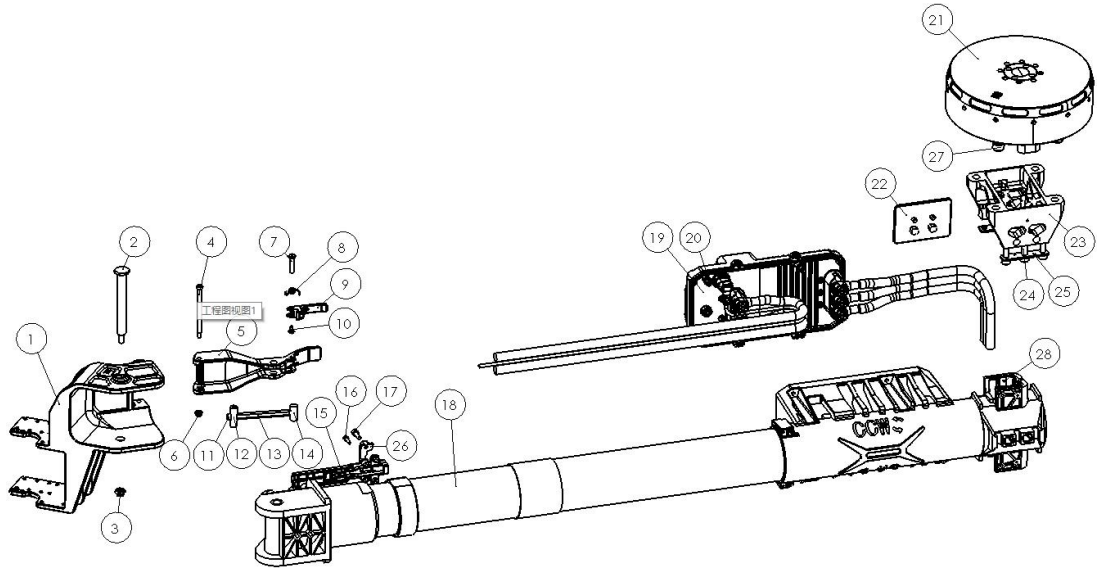




No.	Part No.	Name	Standard Amount
①	Y10101059	Rear folding fastener V6.0	2
②	Y10101060	1210101-E60-Left Vertical V6.0	1
③	Y10101057	1210102-E60-Left Front Folding Fixing Component V6.0	1
④	Y10101063	1240101-E60 Rear crossbeam V6.0	1
⑤	Y10101061	1220101-E60-Right longitudinal beam V6.0	1
⑥	Y10101058	1210103-E60- Right front folding fastener V6.0	1
⑦	Y10101062	1230101-E60-Front crossbeam V6.0	1
⑧	Y10300132	X15CCW propeller blade (63 inch blade)	4
	Y10300134	X15CW propeller blade (63 inch blade)	4

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Arm Assembly

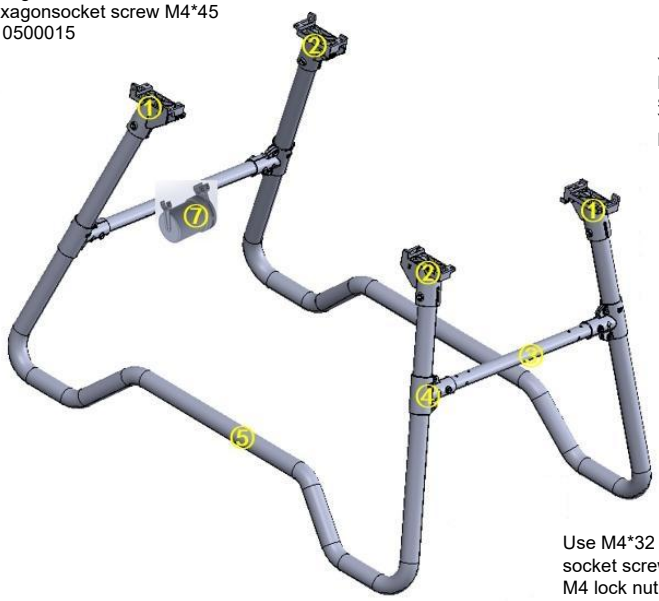


No.	Part No.	Name	Standard Amount
①	Folding fasteners are the same as the frame part		
②	Y10101056	arm folding pivot V6.0	4
③	Y10500381	flange anti loosening nut M6	4
④	Y10500448	fixed part shoulder bolt V6.0	4
⑤	Y10101053	Folding Lock V6.0	4
⑥	Y10500015	anti loosening nut M4	25
⑦	Y10500495	M3 lock nut	4
⑧	Y10100957	anti loosening torsion spring V5.0	4
⑨	Y10101054	anti loosening lock hook V6.0	4
⑩	Y10500494	M3 flat head inverted edge screw	4
⑪	Y10500382	hexagon socket head bolt M4x14	4
⑫	Y10101116	Rotating component shaft V6.0	4
⑬	Y10101115	Connecting Rod V6.0	4
⑭	Y10100677	Lock Lock Shaft	4
⑮	Y10200986	Pressure sensing plate V6.0	4
⑯	Y10500038	hexagon socket screw M3x8	2
⑰	Y10500382	hexagon socket head bolt M4x14	2
⑱	Y10300120	Arm Carbon Tube Component V6.0	4
⑲	Y20501571	ESC V6.0	4
⑳	Y10500443	hexagon socket head screw M4x10	8
㉑	Y20800176	Motor V6.0	4
㉒	Y10200987	motor wire protection pad	4
㉓	Y10101049	motor seat V6.0	4
㉔	Y10500480	hexagonal half tooth bolt M6X25	24
㉕	Y10101050	motor seat locking gasket V6.0	8
㉖	Y10200985	Insurance Fixed Buckle V6.0	4
㉗	Y10500493	hexagonal combination screw M8X20	16
㉘	Y10201140	Arm Port Guard Coil V6.0	2

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Landing Gear

Lock with beam
Y10500146
hexagon socket screw M4*12
hexagonsocket screw M4*45
Y10500015



Y10500011
hexagon socket screw M4*14
Y10500015 M4
lock nut

Use M4*32 hexagon socket screw and one M4 lock nut to fix support rod

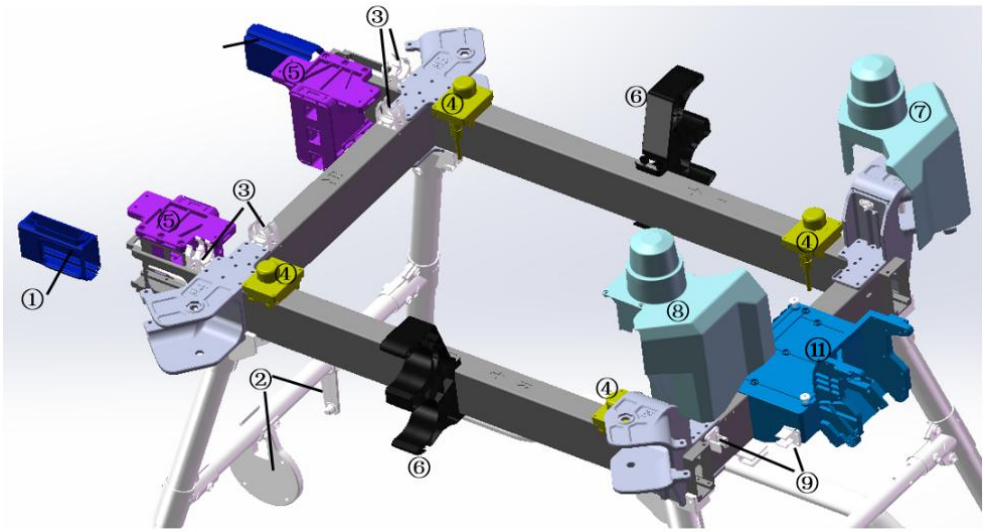


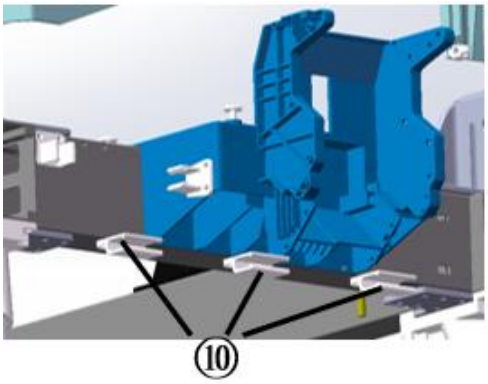
Bolt M4 * 35 and M4 locking nut, used to secure the rear radar bracket

No	Part No.	Name	Standard Amount
①	Y10200998	1510103-E60-tripod mounting base I	2
②	Y10201000	1510106-E60-tripod mounting base II	2
③	Y10101065	1510105-E60-Front Stand Rod V6.0	1
④	Y10200999	1510104-E60-Support Rod Installation Seat V6.0	4
⑤	Y10101064	1510101-E60-tripod V6.0	2
⑥	Y10101066	1510105-E60- Rear strut of tripod V6.0	1
⑦	Y10201057	Rear radar bracket V6.0	1
	Y20800183	Rear rotating radar V6.0	1
	Y10201056	Rear radar mounting bracket V6.0	1

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Beam

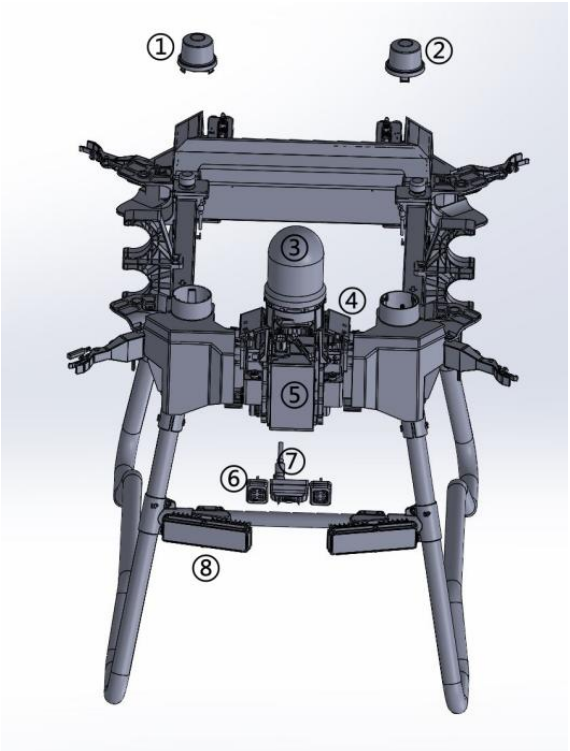


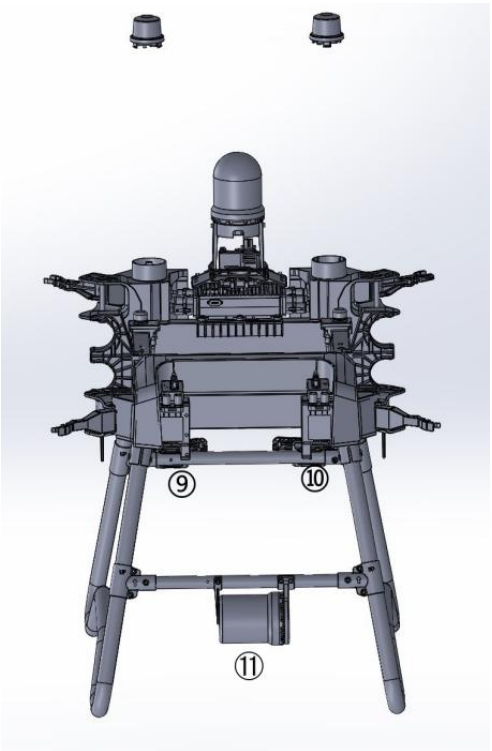


No.	Part No.	Name	Standard Amount
①	Y10201124	Right longitudinal beam threading protective plug	1
②	Y10201056	Rear radar installation bracket	1
③	Y10200992	Rear beam cable holder	4
④	B20100279	Weighing sensor module	4
⑤	Y10200993	Battery rail housing	2
⑥	Y10200990	Arm semi-circular slot	2
⑦	Y10201060	GPS antenna left bracket	1
⑧	Y10201061	GPS antenna right bracket	1
⑨	Y10200996	Radar cable clamp	3
⑩	Y10200997	Front crossbeam cable holder	3
⑪	Y10201068	Front module bracket	1
⑫	Y10201123	Left longitudinal beam threading protective plug	1

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Module

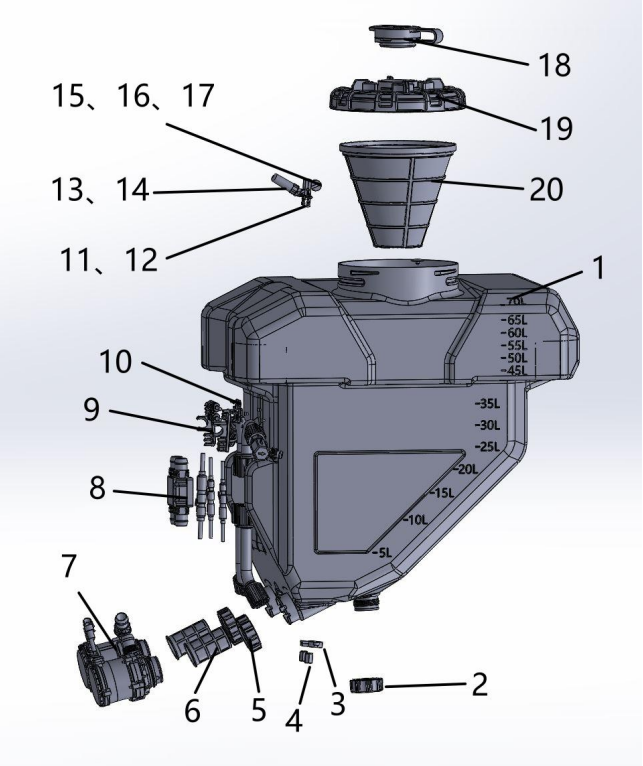




No.	Part No.	Name	Standard Amount
①	B20100272	Secondary antenna component V6.0 (secondary on the right when viewed from the tail)	1
②	B20100271	Main antenna component V6.0 (viewed from the left at the tail)	1
③	Y20800181	Front rotating radar V6.0	1
④	B20100276	6.0 Main Control Module	1
⑤	Y20800182	Forward looking radar V6.0	1
⑥	B20100275	LED light assembly V6.0	2
⑦	B20100274	FPV assembly V6.0	1
⑧	B20100282	Infrared lamp assembly V6.0	2
⑨	B10000124	Battery rail assembly (positive pole) (viewed from the left at the rear of the machine as positive)	1
⑩	B10000124	Battery rail assembly (negative pole) (negative pole when viewed from the rear)	1
⑪	Y20800183	Rear rotating radar V6.0	1

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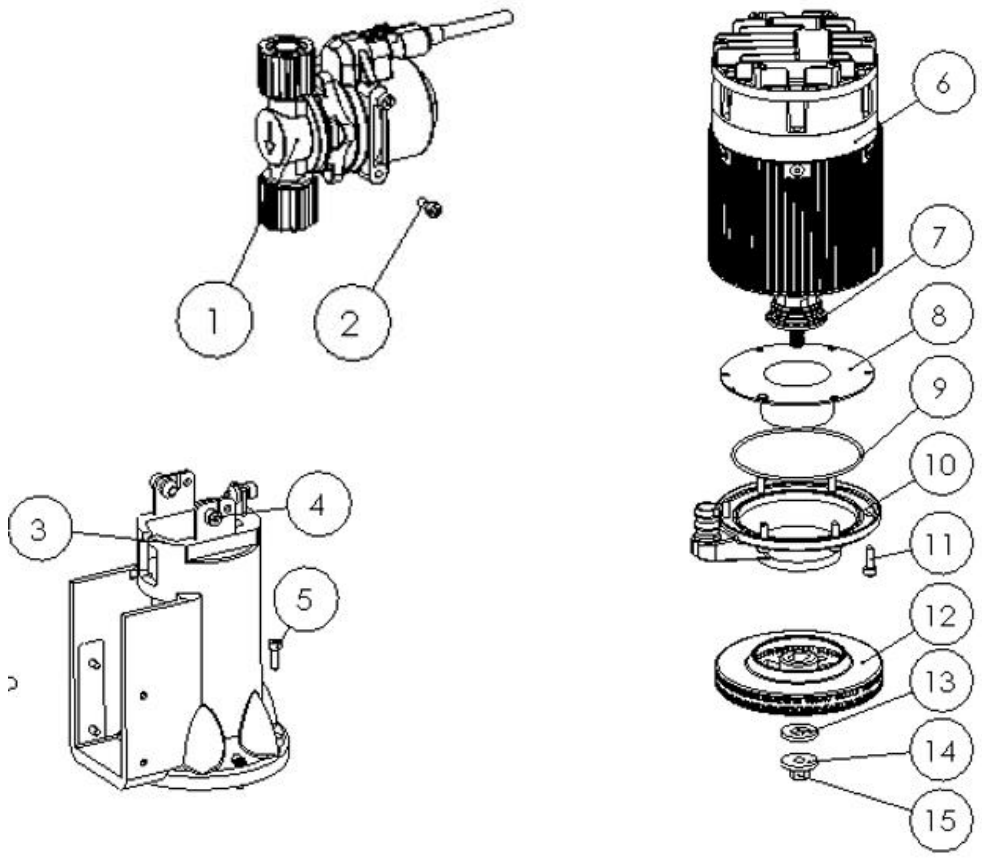
Water Tank



No.	Part No.	Name	Standard Amount
①	Y10201037	Water tank body 73.5L V6.0	1
②	Y10200786	Sealing nut V5.0 for water tank drain outlet	1
③	Y10201049	Hall shell	1
④	Y10201045/Y10201051	Magnet rotating bracket fixing nut/ O-ring inner diameter 6 * wire diameter 1.5	2/2
⑤	Y10200787	Sealing nut V5.0 for the inlet of the water pump	2
⑥	Y10101081/Y10200791	Bottom filter of water tank V6.0/Filter sealing gasket V5.0	2/2
⑦	B20100266	pump assembly	2
⑧	Y20800179	Ultrasonic flowmeter V6.0	1
⑨	Y10201042	Water tank conduit buckle V6.0	2
⑩	Y10201040	Water tank connector buckle V6.0	1
⑪	Y10201044	Magnetic rotating bracket at the bottom of the water tank	1
⑫	Y10201052	O-ring inner diameter 12 * wire diameter 1.0	2
⑬	Y10201048	Float at the bottom of the water tank	1
⑭	Y10101079	Float counterweight block	1
⑮	Y10201047	Magnet fixing shell at the bottom of the water tank	1
⑯	Y10101117	Circular strong magnet	1
⑰	Y10201046	Magnetic fixing nut at the bottom of the water tank	1
⑱	Y10201055	Drug muzzle cover V6.0	1
⑲	Y10201053/Y10201054/Y10200413	Water tank cover V6.0/ Water tank cover gasket V6.0/ Pressure relief valve on the top cover of the water tank	1/1/1
⑳	Y10101078	Filter screen on the water tank	1

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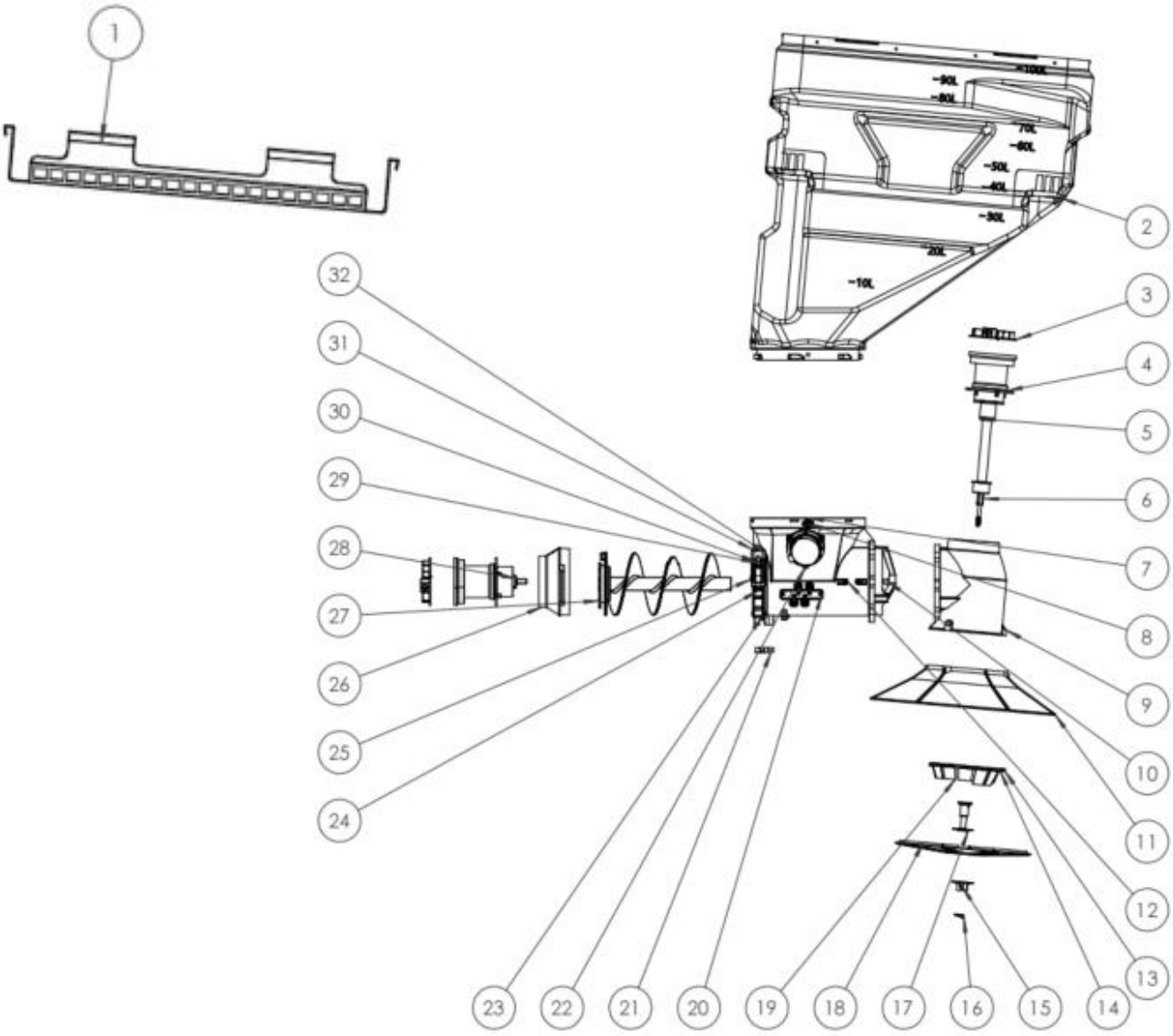
Nozzle



No.	Part No.	Name	Standard Amount
①	B20100265	Solenoid Valve Module, Version 6.0	4
②	Y10500462	Hex Socket Head Cap Screw, M3x8	16
③	Y10201025	Nozzle Damping Mount / Nozzle Shock Absorber Mount, Ver 6.0	4
④	Y10500443	Hex Socket Head Cap Screw, M4x10	8
⑤	Y10500462	Hex Socket Head Cap Screw, M3x8	48
⑥	Y20800174	Atomization Motor / Mist Motor, Ver 6.0	4
⑦	Y10101074	Disk Drive Ring / Rotating Disk Ring, Ver 6.0	4
⑧	Y10201027	Water Inlet Cap / Cover, Ver 6.0	4
⑨	Y10201029	O-Ring, 56mm ID x 1.5mm Cross-Section	4
⑩	Y10201028	Water Inlet (Port / Fitting), Ver 6.0	4
⑪	Y10500462	Hex Socket Head Cap Screw, M3x8	24
⑫	Y10201026	Spray Disk / Nozzle Disk, Ver 6.0	4
⑬	Y10500487	Rotating Disk Spacer / Washer, Ver 6.0	4
⑭	Y10500461	Flat Washer, 6mm ID x 16mm OD x 1mm Thk, Stainless Steel	4
⑮	Y10500381	Hex Lock Nut, M6	4

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J150



No.	Part No.	Name	Standard Amount
①	Y10101094	Filter Screen (J150)	1
②	Y10201072	Material Bucket Body (J150)	1
③	Y20800185	Spinner Motor (J150)	1
④			
⑤	Y10101097	Spinner Motor Shaft Sleeve (J150)	1
⑥	Y10101098	Spinner Motor Coupling (J150)	1
⑦	Y10200645	Limit Knob	2
⑧	Y10100868	Limit Plug	2
⑨	Y10201079	Spinner Motor Mounting Housing (J150)	1
⑩	Y10201074	Main Housing (J150)	1
⑪	Y10201081	Spinner Baffle (J150)	1
⑫	Y10201087	Motor Cable Clamp (J150)	3
⑬	Y10101099	Spinner Baffle Bracket (J150)	1

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J150

No.	Part No.	Name	Standard Amount
⑭	Y10101143	Large Baffle Deflector (J150)	2
⑮	Y10101101	Wing Nut (J150)	1
⑯	Y10100871	Type B Pin	1
⑰	Y10101100	Spinner Fixed Shaft Sleeve (J150)	1
⑱	Y10200639	Spinner	1
⑲	Y10101142	Small Baffle Deflector (J150)	10
⑳	Y10201040	Water Tank Connector Clip (J150)	1
㉑	Y10201076	Hall Sensor Housing	1
㉒	Y20800186	Material Shortage Detection Motor (J150)	1
㉓	Y10201083	Lower Latch (J150)	2
㉔	Y10101105	Upper Latch Striker (J150)	2
㉕	Y10500469	Flat Head Cylindrical Dowel Pin with Groove (3004)	2
㉖	Y10201075	Auger Motor Mounting Housing (J150)	1
㉗	Y10201078	Large Auger (J150)	1
㉘	Y20800184	Auger Motor (J150)	1
㉙	Y10101103	Upper Latch Limit Shaft (J150)	2
㉚	Y10101102	Upper Latch Return Spring Plate (J150)	2
㉛	Y10201082	Upper Latch (J150)	2
㉜	Y10500468	Flat Head Cylindrical Dowel Pin with Groove (2504)	4
㉝	Y10100872	Spring (0.5 * 8 * 15)	2
㉞	Y10500489	Hex Socket Head Cap Screw (M4 * 16)	9
㉟	Y10500476	Hex Socket Head Cap Screw (M2.5 * 6)	4
㊱	Y10500036	Hex Socket Head Cap Screw (M3 * 6)	12
㊲	Y10500443	Hex Socket Head Cap Screw (M4 * 10)	8

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
1	Y10300120	Arm carbon tube component V6.0		4
2	Y10200985	Arm end safety buckle V6.0		4
3	Y10200986	Sensing pressure plate V6.0		4
4	Y10300128	powertrain V6.0		2
5	Y10101049	Motor seat V6.0		4
6	Y10300131	63 inch CCW propeller assembly		4
7	Y10300133	63 inch CW propeller assembly		4
8	B10000123	Folding Lock Component V6.0		4
9	Y10500448	Fixed component shoulder bolt V6.0		4
10	Y10101056	Arm folding pivot V6.0		4

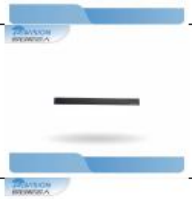
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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
11	Y10101057	Left front folding fastener V6.0		1
12	Y10101058	Right front folding fastener V6.0		1
13	Y10101059	Rear folding fastener V6.0		2
14	Y10101060	Left longitudinal beam V6.0		1
15	Y10200990	Arm Half circle Slot V6.0		2
16	Y10200743	Longitudinal beam wire protection plug V5.0		2
17	Y10201123	Left longitudinal beam threading protective plug V6.0		1
18	Y10201124	Right longitudinal beam threading protective plug V6.0		1
19	Y10200992	Rear beam cable holder V6.0		4
20	B10000124	Battery rail assembly V6.0		2
21	Y10101061	Right longitudinal beam V6.0		1

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
22	Y10101062	Front crossbeam V6.0		1
23	Y10200996	Radar cable clamp		1
24	Y10200997	Front crossbeam cable holder		3
25	Y10101063	Rear crossbeam V6.0		1
26	Y10101064	Footstand V6.0		4
27	Y10200998	Pedestal mounting base I V6.0		2
28	Y10200999	Support rod fixed seat V 6.0		4
29	Y10101065	Front strut of tripod V6.0		1
30	Y10101066	Rear strut of tripod V6.0		1
31	Y10201000	Footstand mounting bracket II V6.0		2
32	Y10101068	Main control module bracket V6.0		1

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
33	Y10101069	Front rotating radar bracket V6.0		1
34	Y10101070	Radar adapter board		1
35	Y10201107	Front hood body V6.0		1
36	Y10201003	Rear cover body V6.0		1
37	B20100266	Pump assembly V6.0		2
38	Y20800179	Ultrasonic flowmeter V6.0		1
39	Y10201004	Water tank pipeline fixing nut V6.0		6
40	Y10201154	Three way connector V6.0		2
41	Y10201008	Unidirectional valve elbow V6.0		2
42	Y10201009	Unidirectional valve straight head V6.0		2
43	Y10201010	One way valve floating head V6.0		2

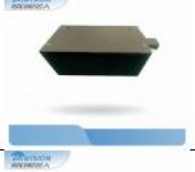
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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
44	Y10101071	Stainless steel spring 1 V6.0		2
45	Y10101072	Stainless steel spring 2 V6.0		2
46	Y10201011	O-ring inner diameter 20 * wire diameter 2.0		2
47	Y10201012	O-ring inner diameter 13 * wire diameter 2.5		2
48	Y10201013	Electromagnetic valve pipeline connection nut V6.0		8
49	Y10201015	Water pump outlet pipe left V6.0		1
50	Y10201016	Water pump outlet pipe right V6.0		1
51	Y10201017	Flow meter outlet pipe V6.0		2
52	Y10201018	Nozzle inlet pipe V6.0		1
53	Y10201019	Arm corrugated water pipe V6.0		2
54	Y20700597	Spray bus V6.0		1

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
55	B20100279	Weighing sensor module V6.0		4
56	Y10201025	Nozzle shock absorber seat V6.0		4
57	B20100268	Mist nozzle assembly 6.0		4
58	B20100265	Electromagnetic valve module V6.0		4
59	S10000127	Water tank assembly V6.0		1
60	Y20800181	Front rotating radar V6.0		1
61	Y20800182	Forward looking radar V6.0		1
62	Y20800183	Rear rotating radar V6.0		1
63	Y10201056	Rear radar mounting bracket V6.0		1
64	Y10201057	Rear radar bracket V6.0		1
65	B20100271	Main antenna component V6.0		1

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
66	Y10201060	GPS antenna left bracket V6.0		1
67	B20100272	Sub antenna component V6.0		1
68	Y10201061	GPS antenna right bracket V6.0		1
69	B10000126	2.4G antenna assembly V5.0		2
70	Y10100985	2.4G antenna mounting base V5.0		2
71	B20100274	FPV assembly V6.0		1
72	B20100275	LED light assembly V6.0		2
73	B20100298	Main control module J150 (overseas)		1
74	B20100252	Backup battery module V5.0		1
75	Y10200401	Rear distribution board shock absorber ball		8
76	Y10101092	Left connector housing V6.0		1

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
77	Y10101093	Right connector housing V6.0		1
78	Y20700611	Front arm harness V6.0		2
79	Y20700612	Weighing sensor line V6.0		1
80	Y20700613	Radar FPV Line V6.0		1
81	Y20700614	Spray power supply line V6.0		1
82	Y20700615	Left longitudinal beam signal harness V6.0		1
83	Y20700616	Spray adapter V6.0		1
84	Y20700617	Main control power cord V6.0		1
85	Y20700618	Front rotating radar line V6.0		1
86	Y20700619	Rear rotating radar line V6.0		1
87	Y20700651	Left rear nozzle power cord V6.0		2

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
88	Y20700652	Right rear nozzle power cord V6.0		2
89	Y10201026	Spray disc V6.0		4
90	Y10201027	Inlet cap V6.0		4
91	Y10201028	Inlet V6.0		4
92	Y10500487	Rotary gasket V6.0		4
93	Y10101074	Disk Ring V6.0		4
94	Y20800174	Mist Motor V6.0		4
95	B20100264	Miwu Electric Adjustment V6.0		4
96	Y10101078	Filter screen on the water tank		1
97	Y10101116	Rotating component shaft V6.0		4
98	Y10101119	Internal nozzle adapter bracket V6.0		2

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
99	Y10201037	Water tank body 73.5L V6.0		1
100	Y10201053	Water tank cover V6.0		1
101	Y10201054	Water tank cover gasket V6.0		1
102	Y10201055	Drug muzzle cover V6.0		1
103	Y10300132	X15CCW propeller blade		2
104	Y10300134	X15CW propeller blade		2
105	Y10200786	Sealing nut V5.0 for water tank drain outlet		1
106	Y10200511	Sealing gasket (3.5 at the bottom of the water tank)		1
107	Y10201040	Water tank connector buckle V6.0		1
108	Y10201042	Water tank conduit buckle V6.0		2

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
109	Y10200413	Pressure relief valve on the top cover of the water tank		1
110	Y10101081	Bottom filter of water tank V6.0		2
111	Y10200791	Filter sealing gasket V5.0		2
112	Y10201007	24P connector rubber sleeve for water tank V6.0		1
113	Y10201122	Arm electric adjustment line protection rubber sleeve V6.0		4
114	Y20700648	Rear arm signal line V6.0		2
115	Y20700649	Left rear arm power cord V6.0		1
116	Y20700650	Right rear arm power cord V6.0		1
117	Y20700655	Nozzle signal adapter V6.0		2
118	Y20700660	Aviation light adapter cable V6.0		1

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
119	Y10101118	Connector current sharing copper bar		2
120	Y10200945	Joystick V6.0		1
121	Y20700638	Nozzle power cable V6.0 (J150)		2
122	Y10500515	Plastic gasket with a diameter of 4 * 7 * 2		2
123	Y40200064	Propeller Velcro Cable Tie V5.0		2
124	Y10201043	O-ring inner diameter 33 * wire diameter 1.5		2
125	Y10201051	O-ring inner diameter 6 * wire diameter 1.5		2
126	Y10201052	O-ring inner diameter 12 * wire diameter 1.0		2
127	Y10200757	O-ring inner diameter 38 * wire diameter 2.0		2
128	Y20600501	Battery cover positive terminal		4

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones(PCS)
129	Y20600502	Battery cover negative terminal		4
130	Y20600503	BMS interface signal adapter board PCBA		4
131	Y20800190	6200W AC/DC Power Module		1
132	Y20700636	Motor signal adapter cable V6.0		2
133	Y10201157	Solenoid valve three-way connecting pipe V6.0		4
134	B20100273	Receiver antenna assembly V6.0		4
135	B20100277	Left connector assembly		2
136	B20100278	Right connector assembly		2
137	Y10201128	R-type wire clamp V6.0		4
138	Y10200714	4PIN board end rubber shell		4
139	Y10201029	O-ring inner diameter 56*wire diameter 1.5		2

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Other Materials

No.	Code	Name	Photo	Recommended numbers for Every 1 drones (PCS)
140	Y10201141	Oil seal 10X16X5		2
141	Y10201030	O-ring inner diameter 8.8*wire diameter 1.6		2
142	Y20600435	Drone tail plug positive		1
143	S10000123	Drone tail plug negative		2
144	S10000124	Liquid level gauge assembly J150		2
145	Y10201163	Motor housing V6.0		4
146	B20100282	Infrared lamp assembly J150 (single)		2
147	B20100267	CTB Intelligent Battery J150		0
148	B20100299	Remote Control Assembly J150 (English Version)		0
149	B10000129	J150 Bare Screw Tool Kit		1

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Contact Us

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