

MODEL NAME	phase
<b>CAT-3000</b> <b>Variable Inductor section</b>	Product

				Draw	Rev.
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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
	Gear drive part	—	1set		-			Refer detail parts list	
1	main coil	A2203003	1		C5210P		Ag plate		
2	side board	A2203004R3	2		POM(white)		-		
3	fixing board	A2203005R1	2		A5052P		-		
4	coil spacer A	10A-10037	2		PC		-		
5	main shaft	A2203007R1	1		SUS304		polishing		
6	pulley shaft	A2203008R1	1		C5191B		degreasing		
7	guide pulley	10A-09007R1	1		C5191B		Ag plate		
8	spring	A2203011	2		SUS304WPB		-		
9	bump ring	A2203012	4		ABS(Black)		-		
10	copper plate A	A2203013R1	2		C1100P		-		
11	copper plate C	A2203015R2	2		C5191P		-		
12	short plate	A2203016	1		C1100P	t1.2	-		
13	spacer	A2203017R1	2		POM(white)		-		
14	shaft collar	10A-10039	2		C3604BD		Ni plate		
15	shaft plug	A2203019	2		C3604BD		Cr plate		

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
16	fixing nut	A2203021	2		C3604BD		Cr plate		
17	coil spacer B	10A-10038	1		PC		-		
18	scale panel for inductor	A2203036R1	2		A5052P		anodized		
19	addition contact for pulley	10A-09006	1		C5191		Ag plate		
20	contact plate	10A-09023R1	2		C5191P		Ag plate		
21	scale holder for inductor	10A-09048	1		C3604BD		Cr plate		
22	rod	10A-10040	2		C3604BD		Ag plate		
23	sems screw (with SW)	M4×15	1		SUS		-		
24	sems screw (with SW,W)	M4×20	7		SUS		-		
25	sems screw (with SW,W)	M4×15	2		SUS		-		
26	sems screw (with SW)	M3×15	2		SUS		-		
27	Hex-Nut	M4	6		SUS		-		
28	toothed washer	for M4	4		SUS		-		
29	sems screw (with SW)	M3×8	3		SUS		-		
30	sems screw (with SW)	M3×15	2		SUS		-		
31	washer	for M3	2		SUS		-		
32	Hex-Nut	M3	2		SUS		-		
33	Hollow set screw	M4×4	2		SUS		-		

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
1	DS molded gear	DS0.8-80	2		POM		-	KHK	
2	SS spur gear	SS0.8-16A	2		S45C		-	KHK	
3	grill knob	GH60	2		PP etc.		-	imao corp.	
4	Nob adapter	A2204038R1	2		A5056B		degreasing		
5	Gear holder	A2204039	1		C3604B		Cr plate		
6	additional process for spur gear	A2204040	2		S45C		-	for SS0.8-16A	
7	gear shaft	A2204042	1		C3604B		Cr plate		
10	Hollow set screw	M4×3	5		SUS		-		
11	sems screw (with SW,W)	M3×8	3		SUS		-		
12	sems screw (with SW,W)	M4×8	1		SUS		-		
13	Hex nut	M5	1		SUS		-		
14	toothed washer	for M5	1		SUS		-		

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
1	holding board	A2203023R1	2		A5052P	t2.0	degreasing		
2	under panel	A2203024A	1		A5052P	t2.0	degreasing		
3	upper panel	A2203024B	1		A5052P	t2.0	degreasing		
4	rotor plate	A2203025R1	12		A5052P	t1.2	degreasing		
5	rotor shaft	A2203026	1		C3604B		Cr plate		
6	ground plate A	A2203027AR1	1		C2801P	t2.0	Copper plate		
7	ground plate A	A2203027B	1		C2801P	t2.0	Copper plate		
8	assembly for ground bracket	A2203028R2	1		C5191B,C1100		degreasing		
9	rotor bracket	A2203029R1	12		A5056B		degreasing		
10	stator bracket	A2203030	18		A5056B		degreasing		
11	fixing panel	A2203031	2		acrylic				
12	stator plate	A2203032	10		A5052P	t1.2	degreasing		
13	bearing A	A2203033A	2		C3604B		Ni plate		
14	bearing B	A2203033B	2		C3604B		Ni plate		
15	scale panel for capacitor	A2203035R1	1		A5052P		anodized		
16	scale holder for capacitor	10A-09047	1		C3604BD		Cr plate		
17	SS spur gear	SS0.5-15A	1		S45C		-	KHK	
18	SS spur gear	SS0.5-80A	1		S45C		-	KHK	

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17	sems screw (with SW)	M4×8	8		SUS		-		
18	pan head screw	M4×14	6		SUS		-		
19	Hex nut	M5	12		SUS		-		
20	Hex nut	M8	2		SUS		-		
21	toothed washer	for M5	16		SUS		-		
22	pan head screw	M5×60	2		SUS		-		
23	pan head screw	M5×100	2		SUS		-		
24	toothed washer	for M4	4		SUS		-		
25	gear shaft	10A-12013	1		C3604BD		Cr plate		
26	balance weight	10A-12016	1		C3604BD		degreasing		
27	Hex nut	M3	1		SUS		-		
28	Hex nut	M2	1		SUS		-		
29	spring washer	for M2	1		SUS		-		
30	washer	for M2	1		SUS		-		
31	spring washer	for M3	1		SUS		-		

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
1	shaft holding plate A	A2204003	1		A5052P	t1.5	degreasing		
2	shaft holding plate B	10A-09004	1		A5052P	t1.5	degreasing		
3	fixing plate	A2204005	1		A5052P	t1.5	degreasing		
4	base plate	10A-09005R1	1		FR-4	t5	-		
5	bearing	A2204007	1		C5191B		degreasing		
6	contact switch A	A2204008R1	4		C1100P		Ag plate		
7	4-point switching plate	10A-09003	1		C5210P		Ag plate		
8	contact plate	A2204010	1		C1100P	t1.5	Ag plate		
9	contact hold panel	A2204011	1		A5052P	t3	degreasing		
10	semicircular cam	A2204012R1	4		PC		-		
11	cam shaft	A2204013	1		C3604B		degreasing		
12	shaft adapter	A2204014R1	1		C3604B		Ni plate		
13	base spacer	10A-11021	1		PC		-		
14	knob	B-40	1		phenolic plastic		-	LEX	
15	rotary switch	SR40-N-1-30°-36F	1				-	kojima factory corp.	

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16	toothed washer	for M2.5	5		SUS		-		
17	toothed washer	for M3	9		SUS		-		
18	pan head screw	M3×10	2		SUS		-		
19	pan head screw	M3×15	3		SUS		-		
20	Hollow set screw	M3×4	12		SUS		-		
21	hex nut	M3	9		SUS		-		
22	pan head screw	M2.5×8	5		SUS		-		
23	washer	for M3	2		SUS		-		

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
1	adapter	A2204018	7		C3604B		Ni plate		
2	guide	A2204019	2		acrylic		-		
3	switching shaft	A2204022BR1	5		A5056B		-		
4	spring	A2204023	6		SU304WPB		-		
5	spacer	A2204024R1	16		ABS		-		
6	push bar	10A-10035	6		POM(white)		-		
7	board	A2204027B	2		FR-4		solder plate		
8	post A	A2204030R1	4		A5056B		degreasing	L=22	
9	post B	A2204031	2		A5056B		degreasing	L=13	
10	contact plate	A2204032R1	6		C5191P		Ag plate		
11	leaf spring	A2204033R1	1		C5210P		-		
12	switch adjunctive plate	A2204035	2		A5052P		degreasing		
13	guide bar	A2204036R1	6		POM(black)		-		
14	switching plate	A2204037BR1	1		A5052P		degreasing		
15	fixing plate for switching sha	10A-09009	1		A5052P		degreasing		
16	spacer for contact plate	10A-10034	6		PTFE		-		
17	spring (small)	A2204029	6		SUS304WPB		-		



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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
18	pan head screw	M4×8	4		SUS		-		
19	pan head screw	M3×12	6		SUS		-		
20	pan head screw	M3×8	6		SUS		-		
21	pan head screw	M4×35	2		SUS		-		
22	toothed washer	M4用	20		SUS		-		
23	Hollow set screw	M4×3	14		SUS		-		
24	pan head screw	M4×8	10		SUS		-		
25	hex nut	M4	16		SUS		-		
26	washer(small)	M4	2		SUS		-		
27	Hollow set screw	M4×4	13		SUS		-		
28	rivet additional processing	10A-12015	12		copper rivet		copper plate		

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## Parts List

COMET ANTENNA Co.,LTD.

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<b>CAT-3000</b> <b>Body case section</b>	Product

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
1	frame side member	10A-10036	2		SPCC t1.6		Ni plate		
2	upper panel	10A-10016	1		SECC t1.2		black painting		
3	bottom panel	10A-10017	1		SECC t1.2		black painting		
4	front panel	10A-10018	1		A5052P t5		black painting		
	reverse side add. Process	10A-11017	1						
5	rear panel	10A-10019	1		SPCC t2		black painting		
6	nameplate for rear panel	10A-10022	1		A5052P t1		anodized		
7	serigraph for front panel	10A-10020	1		-		serigraph	10A-10018 serigraph	
8	serigraph for rear panel	10A-10021	1		-		serigraph	10A-10019 serigraph	
9	serigraph for name plate	10A-12014	1		-		serigraph	10A-10022 serigraph	
9	tapping screw	3×10	6		SUS		black chrome plate		
10	pan head screw	M2.6×6	8		SUS		black chrome plate		
11	pan head screw	M3×6	12		SUS		black chrome plate		
12	bind screw	M3×8	12		SUS		black chrome plate		
13	pan head screw	M3×12	8		SUS		black chrome plate		
14	hex nut	M3	8		SUS		-		
15	spring washer	for M3	8		SUS		-		
16	bind screw	M4×10	22		SUS		black chrome plate		
17	pan head screw	M5×15	4		SUS		-		

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column		
18	toothed washer	for M5	4		SUS		-			
19	hex slim nut	for M5	13		SUS		-			
20	steatite ceramic	BA30M	3		steatite	BA30M	-			
21	steatite ceramic	BA30W	3		steatite	BA30W	-			
22	hollow set	M5×70	3		SUS		-			
23	hex bolt	M5×65	1		SUS		-			
24	hex bolt	M5×25	1		SUS		-			
25	washer (large)	for M5	20		SUS		-			
26	N-J receptacle	N-R	2				-			
27	alminum handle UAF-BK	UAF-20×128-	2		aluminum alloy		black painting			
28	TK rubber spacer	TK-3215	4		EPDM		-			
29	wing nut	for M5	4		SUS		-			
30	disc screw	M6×14	4		SUS		-			
31	toroidal core	5943003801	3		ferrite		-			
32	F R P pipe	φ18×42	1		GFRP		no painting			
33	bakelite board φ7.0	A2107027	2		Bakelite		-			
34	power range switching board	10A-11018	1		FR-4 t1.6		solder plate			
35	cross meter	A1606002C	1							

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
36	sensor unit	from CMX-200	1						
37	twin push switch	3A4-RIB 16×32	1						
38	knob	φ 9 silver	2						
39	brass spacer	BSB-307E	2				Ni plate		
40	semi-fixed resistor	2 0 kΩ	2						
41	semi-fixed resistor	5 0 kΩ	2						
42	fixed resistor	47kΩ J 1/4W	1						
43									
44	ceramic capacitor	50 V 102	4						
45	electrolytic capacitor	33μ F 16 V	1						
46	electrolytic capacitor	22μ F 25 V	1						
47	connector for substrate board	B 3B-PH-K-S	2						
48	connector for substrate board	PHR-3	1						
49	connector for substrate board	SPH-002T-P0.5S	3						
50	connector for substrate board	0.3sq 3-prong plug	1						
51	lighting type push switch	HB-16SKS2	1						
52	fixed resistor	3 kΩ J 1/2W	1						
53	D C jack connector	RJ-06-C2.5φDC	1						

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
54	crimping terminal	R3.5-4	20						
55	hexagonal post	BsBM L=30 M3	1						
56	post	POM L=20 M3	2						
57	sems screw (with SW,W)	M3×6	4						
58	F E P electrical wire	3.5sq blue	1.5						
59	F E P electrical wire	3.5sq red	1.5						
60	F E P electrical wire	3.5sq white	1.5						
61	flat-knit wire	T B C 2.0sq	1						
62	vinyl electrical wire	0.3sq pink	0.8						
63	vinyl electrical wire	0.3sq gray	0.8						
64	shielded cable	7/0.12 3-prong plug	0.8						
65									
66	cable clamp	—	4						
67	power-supply cord	φ2.5 DC Cable	1						
68	cardboard for master carton	-	1		K6 W/F				
69	cardboard	-	1		K6 A/F				
70	cardboard spacer A	-	4		K6 A/F				
71	cardboard spacer B	-	4		K6 A/F				

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No.	Part name	Drawing No.	Qty.		material	standard/ Model No	surface finishing	remarks column	
1	L-shape plate A	11A-02002AR1	1		A1020P		degreasing		
2	L-shape plate B	11A-02002BR1	1		A1020P		degreasing		
3	L-shape plate C	11A-02002CR1	1		A1020P		degreasing		
4	feeding plate A	11A-02036	1		A1020P		degreasing		
5	feeding plate B	11A-02037	1		A1020P		degreasing		
6	feeding plate C	11A-02038	1		A1020P		degreasing		
7	feeding plate D	11A-02039	1		A1020P		degreasing		
8	feeding plate E	11A-02040	1		A1020P		degreasing		
9	feeding plate F	11A-02041	1		A1020P		degreasing		
10	feeding plate G	11A-02042	3		A1020P		degreasing		
11									
12									
13									
14									
15									
16									
17									
18									
19									