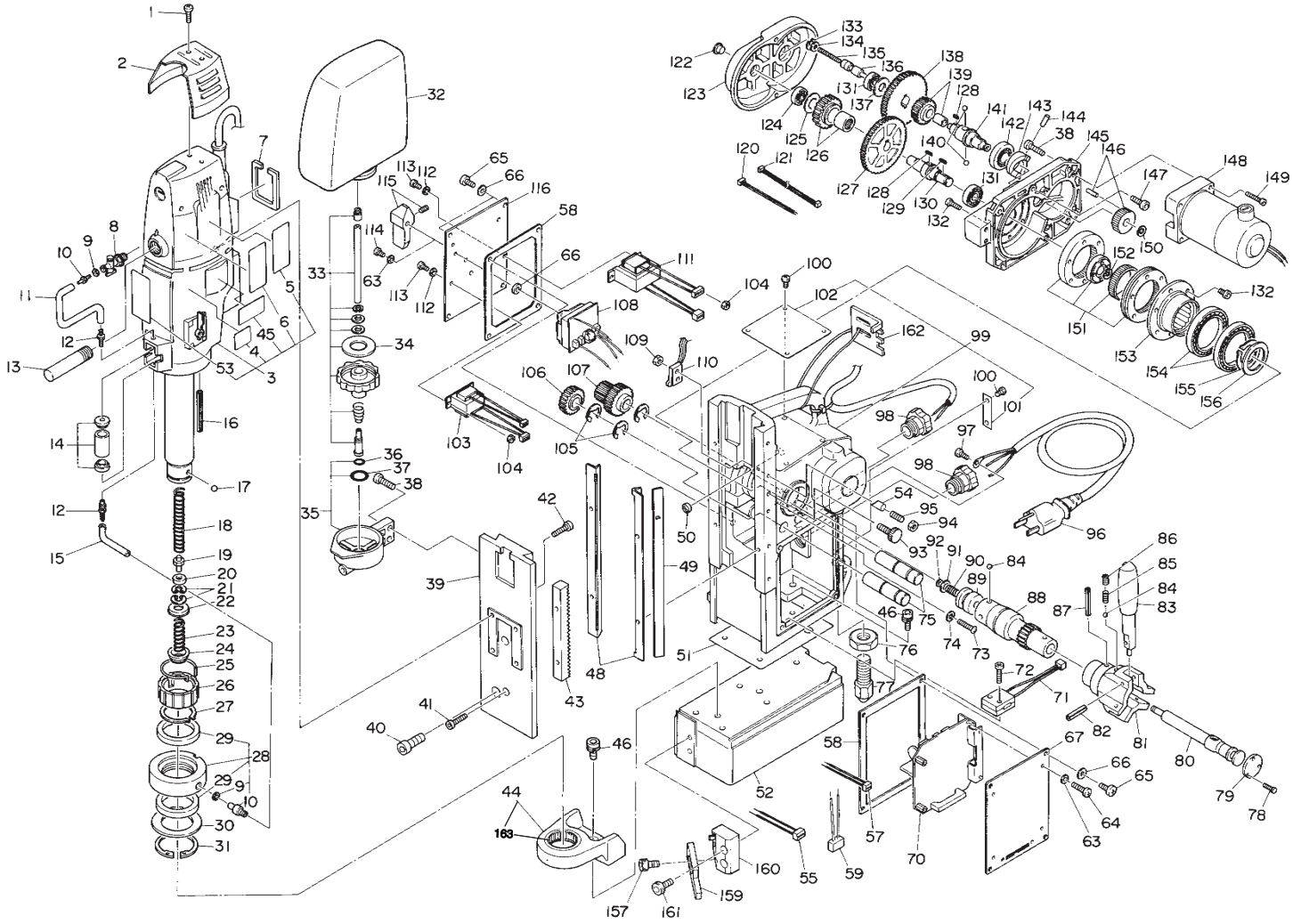
ATRA ACE QA-5000 (110-120V) ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

No.	Part No.	Part Name	Q'ty	Price
1	LP30156	Pan Head Screw 4 X 6	2	
2	TQ00926	Protection Cover	1	
3	TB04020	Drill Motor Ass'y for QA-5000	1 set	
	TA9A028	Brush Ass'y (2 pcs/set)	1 set	
4	TQ05077	Label – Drill rpm	1	
45	TQ05063	Caution Label	1	
5	TQ05065	Label – Cutter Insertion	1	
6	TQ05064	Cutter – Mounting Label	1	
54	TQ05066	Cutter – Caution Label	1	
7	TQ00927	Drill Motor Packing	1	
8	TP14495	Petcock Valve 1/8(PT)	1	
9	CP21947	Seal Packing	2	
10	TP14500	Hose Nipple	2	
11	TP15821	Tube 4 X 7 X 240	1 set	
12	TQ00672	Dropper Nipple	2	
13	TB02534	Side Handle Ass'y	1 set	
14	TB00503	Oil Dropper Ass'y	1 set	
15	TP15820	Tube 4 X 7 X 120	1 set	
16	TP03261	Spring Pin 4 X 26 AW	1	
17	TB01672	Ball 5/16 Ass'y	1 set	
18	TP15998	Spring 1.6 X 16.2 X 120	1	
19	TQ01895	Pilot Spacer	1	
20	TP15848	Spacer 10.5 X 19 X 5	1	
21	TP13905	Retaining Ring RTW-19	2	
22	TB01348	Washer Ass'y	1 set	
23	TQ01898	Spring 0.8 X 12 X 31	1	
24	TB01349	Push Ring Ass'y	1 set	
25	TQ01896	Twist Spring	1	
26	TQ01897	Sleeve	1	
27	TP15239	Retaining Ring C-28	1	
28	TB00713	Oil Ring Ass'y	1 set	
29	(TP14499)	Oil Seal GD38 X 48 X 4	2	
30	TP12773	Washer 38.5 X 54 X 1	1	
31	TP14969	Retaining Ring ISTW-38	1	
32	TQ04779	Oil Tank	1	
33	TB03785	Cap Ass'y	1 set	
34	(TQ00701)	Packing Cap	1	
35	TB01380	Oil Tank Bracket Sub Ass'y	1 set	
36	(TP11994)	O-Ring P-4	1	
37	(CP20180)	O-Ring P-18	1	
38	TP03086	Hex. Bolt 6 X 20	6	
39	TQ02497	Slide Board	1	
40	TP14717	Hex. Socket Bolt 10 X 20	1	
41	TP07118	Hex. Bolt 6 X 16	2	
42	TP04532	Hex. Socket Bolt 5 X 30	4	
43	TQ02496	Rack	1	
44	TB02694	Bracket Ass'y	1 set	
163	(TQ03444)	Needle Bearing B-2410	1	
46	TQ03344	Hex. Socket Bolt 8 X 20	6	
48	TP12777	Slide Plate	2	
49	TQ01905	Jib	1	
50	TQ00394	Seal Bushing	1	
51	TQ01928	Packing for Pole	1	
52	TB04022	Square Pole Ass'y	1 set	
54	TQ04783	Supporter	5	
55	TB00578	H Cord Ass'y	1 set	
57	TB00577	F Cord Ass'y	1 set	

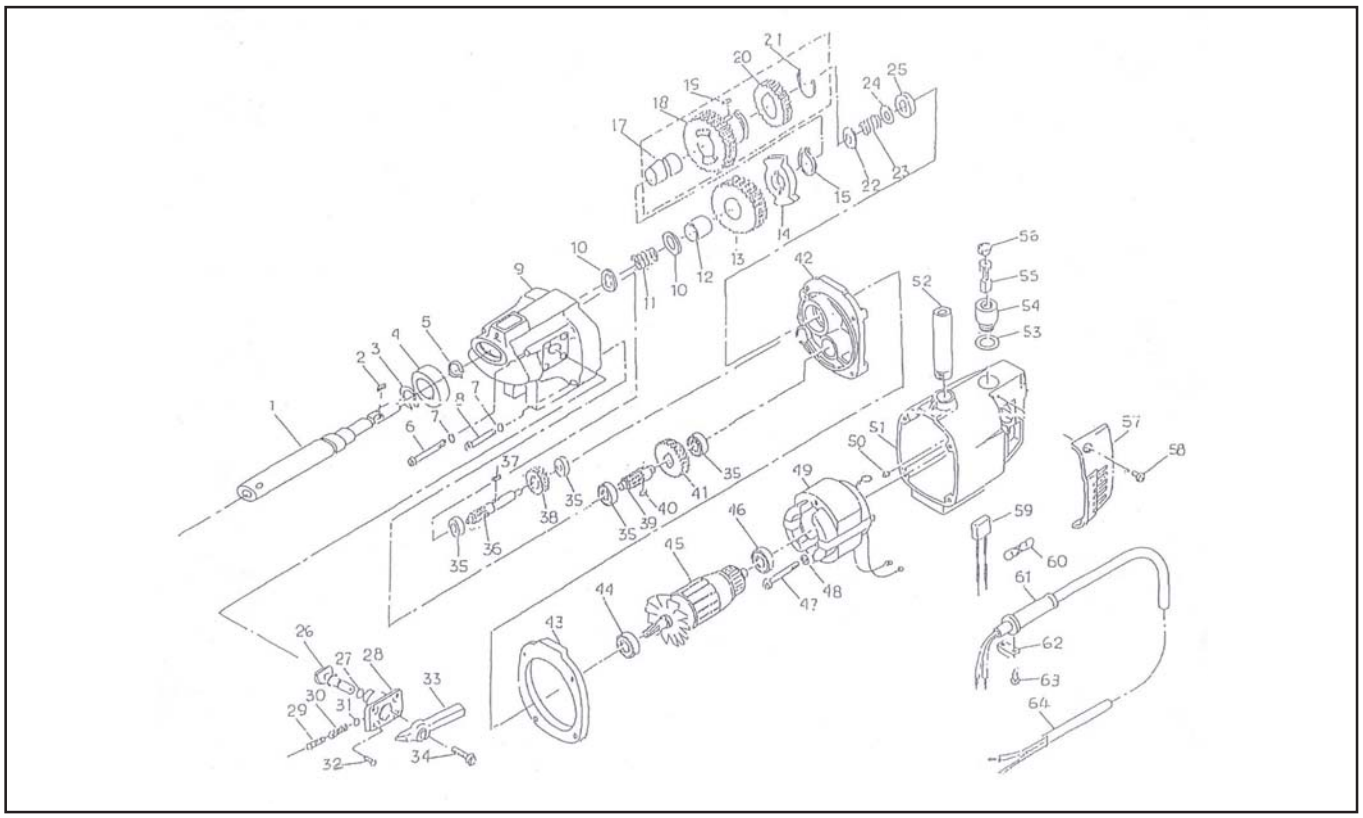
No.	Part No.	Part Name	Q'ty	Price
58	TQ00932	Packing Body	2	
56	TP02639	Hex. Nut M4	9	
63	TQ00258	Seal Washer M4	6	
64	TQ01526	Pan Head Screw 4 X 10	4	
65	TP02419	+ Screw 6 X 10	8	
66	TQ01331	Seal Washer M6	9	
67	TQ06041	Mounting Plate	1	
70	TB05294	Control Board Ass'y	1 set	
71	TB01363	Slide Detection Device	1 set	
72	TP14471	Hex. Socket Bolt 4 X 20	2	
73	FS00315	+ Pan Head Screw 2 X 20	2	
74	TQ00729	Spring Washer M2	2	
75	TQ00707	Shaft	2	
76	TP03914	Hex. Nut Type 3 M16	1	
77	TQ00720	Stabilizer Shaft	1	
78	TP08598	+ Screw 3 X 5	3	
79	TQ00844	Name Plate –Auto Feeder	1	
80	TQ01903	Inner Shaft	1	
81	TQ01901	Handle Boss	1	
82	TP12821	Spring Pin 5 X 26	3	
83	TQ00680	Rod Handle	3	
84	CP01123	Ball 3/16	7	
85	TP06396	Spring	3	
86	TP06397	Hex. Screw 6 X 8	3	
87	TP13891	Spring Pin 5 X 38	1	
88	TQ01902	Clutch Shaft	1	
89	TQ01904	Clutch Ring	1	
90	TQ00682	Spring 1.2 X 8 X 17	1	
91	TP00092	Plain Washer M6	1	
92	TQ00683	Grip Ring GS-6.0	1	
93	TP02931	Set Screw	1	
94	TP07419	Hex. Nut Type 3 M6	5	
95	TQ04781	Hex. Socket Set Screw 6 X 14	5	
96	TA9A757	Cabtyre Cable Ass'y	1 set	
97	LP08489	+ Screw 4 X 6	1	
98	TP13889	Connector SC4-3	2	
99	TB04376	Body Sub Ass'y A	1 set	
100	(TP05136)	Rivet No. 2 X 4.8	6	
101	(TP04769)	Plate Serial Number	1	
102	(TQ05610)	WARNING Plate	1	
103	TB03912	Transformer Sensor Ass'y	1 set	
104	TP00067	Hex. Nut M3	3	
105	TP04126	Snap Ring E-12	3	
106	TQ00708	Spur Gear 24 M1.5	1	
107	TQ00706	Spur Gear 16 X 24	1	
108	TB03702	Switch Ass'y	1 set	
109	TP02627	Hex. Nut M2	2	
110	TQ00703	Limit Switch DC3A-D3RB	1	
111	TB03911	Trans. Power Supply Ass'y (115V)	1 set	
112	TQ01330	Seal Washer M3	3	
113	TP00153	+ Screw 3 X 12	3	
114	TB12819	Pan Head Screw 4 X 6	2	
115	TB01381	Switch Knob Ass'y	1 set	
116	TQ05073	Switch Plate	1	
120	TB00573	D Cord Ass'y	1 set	
121	TB03809	Cord Ass'y M-M	1 set	
122	TQ01962	Collar Cap K-100 16CSBL	1	

No.	Part No.	Part Name	Q'ty	Price
123	TQ04982	Gear Box Cover	1	
124	TQ01924	Ball Bearing 688ZZ	1	
125	TQ01926	Washer 10.2 X 20 X 0.6	1	
126	TB01360	Spur Gear 30 M1 Ass'y	1 set	
127	TQ02435	Spur Gear 70 M1B	1	
128	TQ01913	Sunk Key 4 X 4 X 7 Round-end	2	
129	TP10130	Sunk Key 3 X 3 X 10 Round-end	1	
130	TQ01923	Gear Shaft B	1	
131	TQ01916	Ball Bearing 6801ZZ	2	
132	TP04715	Hex. Bolt 4 X 8	12	
133	TQ01920	Retaining Ring RTW-9	1	
134	TQ01912	Spring Stopper	1	
135	TQ01911	Spring 0.6 X 3 X 35	1	
136	TQ01919	Spool	1	
137	TQ01963	Washer 14.5 X 25 X 0.6	1	
138	TQ02434	Spur Gear 70M1A	1	
139	TB01358	Clutch Gear Sub Ass'y	1 set	
140	TP15428	Ball 5mm Dia.	2	
141	TQ01915	Gear Shaft A	1	
142	TQ01917	Ball Bearing 6803ZZ	1	
143	TQ01918	Shift Ring	1	
144	TQ01960	Roll Pin 4 X 22	1	
145	TQ01909	Gear Box	1	
146	TB01356	Plain Gear 41 Ass'y	1 set	
147	TP04197	Hex. Bolt 6 X 30	2	
148	TB04014	Feed Motor Ass'y	1 set	
-	(TB00599)	Carbon Brush Ass'y (2 pcs/set)	1 set	
149	TP18619	Hex. Socket Head Cap Screw 4 X 30	4	
150	TQ01961	Grip Ring GS-8	1	
151	TB00510	Harmonic Ass'y	1 set	
152	TP12328	Retaining Ring STW-9	1	
153	TQ01952	Clutch	1	
154	TQ00725	Ball Bearing 6809 ZZ	2	
155	TP17384	Retaining Ring C-32	1	
156	TP14412	Retainer Holder	1	
157	TP01945	Hex. Bolt 5 X 12	1	
159	TQ04949	Blade	1	
160	TB03863	Blade Base Ass'y	1 set	
161	TP14178	Hex. Bolt 6 X 10	2	
162	TQ04952	Chip Stopper	1	

ACCESSORIES

No.	Part No.	Part Name	Q'ty	Price
	TP04696	Hex. Wrench Key 3	1	
	TP01939	Hex. Wrench Key 4	1	
	TP17014	Spanner 8 X 10	1	
	UEA0850	Pilot Pin 5/16" X 2" DOC	1	
	UEA0835	Pilot Pin 5/16" X 1-3/8" DOC	1	
	TA99027	Safety Chain Ass'y	1 set	
	TB02145	Cutting Oil 0.5L	1	
	TQ05611	Instruction Manual	1	
	TP10198	Tool Box 285 X 125 X 62	1	
	TQ05186	Label Combination	1	

QA-5000 MOTOR ASSEMBLY AND PARTS LIST



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No.	Part No.	Part Name	Q'ty	Price
1	TQ02521	Spindle Arbor	1	
2	TQ00979	Sunk Key 4 X 4 X 7	1	
3	CP20569	Retaining Ring C-47	1	
4	TP17382	Ball Bearing 6005Z	1	
5	CQ02200	Retaining Ring C-25	1	
6	TQ00980	+ Round Head Screw 5 X 145	2	
7	TP00513	Spring Washer M5	4	
8	TQ00981	+ Round Head Screw 5 X 80	2	
9	TQ00982	Gear Case	1	
10	TP16502	Plain Washer	2	
11	TP16501	Spring (L)	1	
12	TP06503	Bush	1	
13	TA9A584	Spiral Gear B-L Ass'y	1	
14	TP16505	Boss	1	
15	CP03040	Retaining Ring C-20	1	
16	TB00750	Spiral Gear B-H Ass'y	1 set	
17	TQ00976	Needle Bearing HK2012	2	
18	TB01087	Spiral Gear	1	
19	TP16497	Sunk Key 5 X 5 X 7	1	
20	TQ00983	Spur Gear	1	
21	TP17384	Retaining Ring C-32	1	
22	TP16507	Plain Washer 20.2 X 26 X 1	1	
23	TP16508	Spring (H)	1	
24	TP16509	Plain Washer 15.2 X 24.2 X1	1	
25	TP17383	Ball Bearing 6202	1	
26	TQ00984	Cam Shaft	1	
27	TQ09421	O Ring P-6	1	
28	TP16490	Guide Boss	1	
29	TP18684	Hex Socket Set Screw 4 X 8	1	
30	TP16493	Coil Spring	1	
31	TP16492	Steel Ball	1	
32	TP17385	+ Screw 4 X 12	4	

No.	Part No.	Part Name	Q'ty	Price
33	TP16489	Lever SM-378284-1	1	
34	TP09693	Hex Bolt 4 X 14	1	
35	TP17380	Ball Bearing 629	4	
36	TQ00985	Pinion (L)	1	
37	TP16506	Sunk Key 4 X 4 X 10	1	
38	TQ00986	Spiral Gear (S)	1	
39	TQ00987	Pinion (H)	1	
40	TP13351	Sunk Key 3 X 3 X 7	1	
41	TP16516	Spiral Gear (A)	1	
42	TQ00662	Bearing Bracket	1	
43	TP16488	Spacer	1	
44	TP06718	Ball Bearing 6201Z	1	
45	TB03381	Armature Ass'y (115V)	1 set	
46	TP06242	Ball Bearing 629ZZ	1	
47	TQ00988	+ Round Head Screw 5 X 75	2	
48	TP00513	Spring Washer M5	2	
49	TB03380	Field Ass'y (115V)	1 set	
50	TP13355	Rubber Packing	1	
51	TQ00989	Motor Housing	1	
52	TB02534	Side Handle Ass'y	1 set	
53	TP13359	Insulation Washer	2	
54	TP13358	Brush Holder	2	
55	TA9A028	Brush Ass'y (2 pcs/set)	1 set	
56	TP13357	Brush Cap	2	
57	TP13360	Cover	1	
58	TP11245	+ Screw 4 X 10	1	
59	TP16481	Condenser SM-37R8291	1	
60	TQ00990	Insulated Connector FNCE-2	2	
61	TP13363	Cord Armor	1	
62	TP13362	Cord Clamp	1	
63	TP17453	+ Screw 4 X 20	2	
64	TQ00991	Cable from Motor	1	