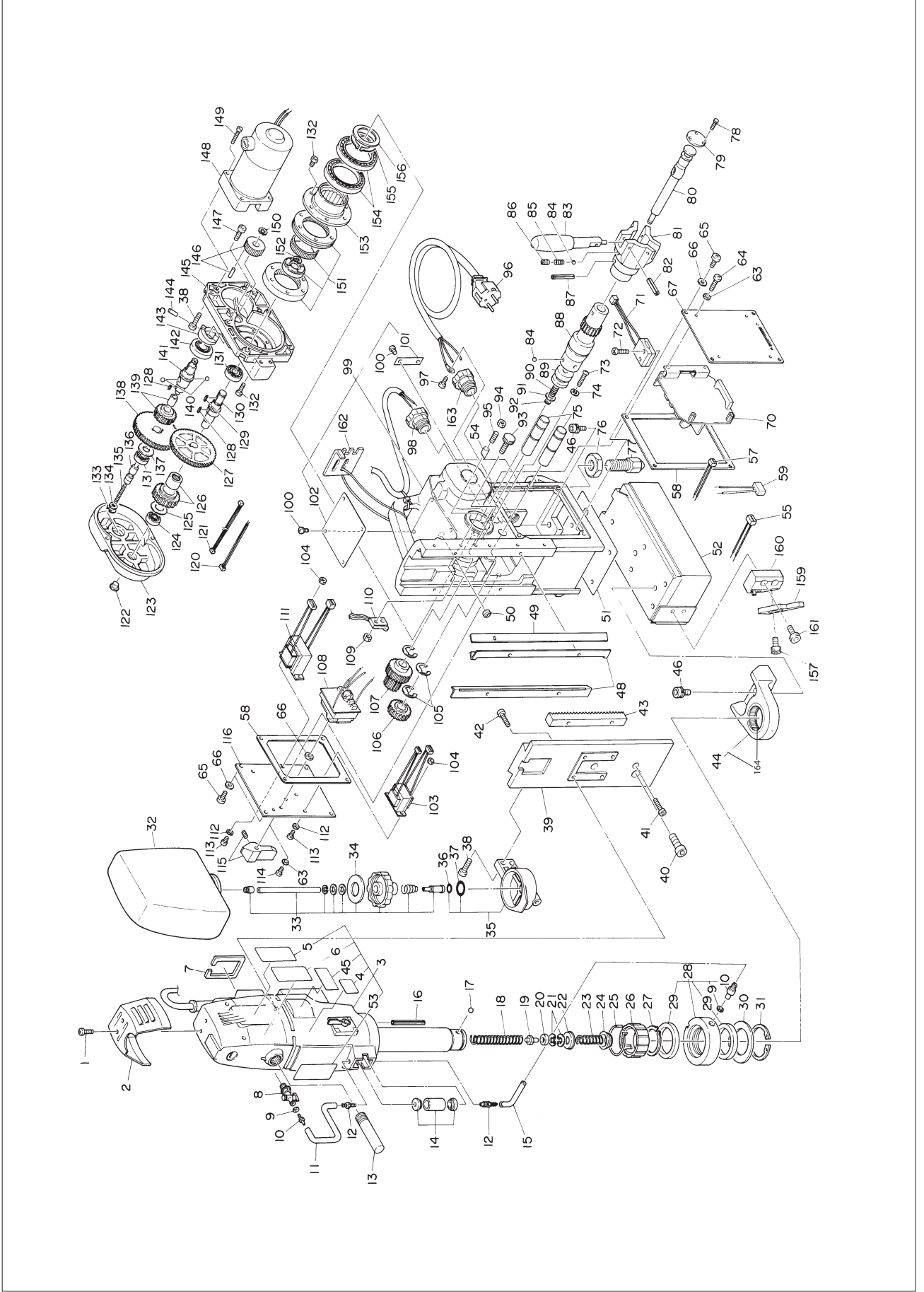


ATRA ACE QA-6500 (220-240V) ASSEMBLY AND PARTS LIST



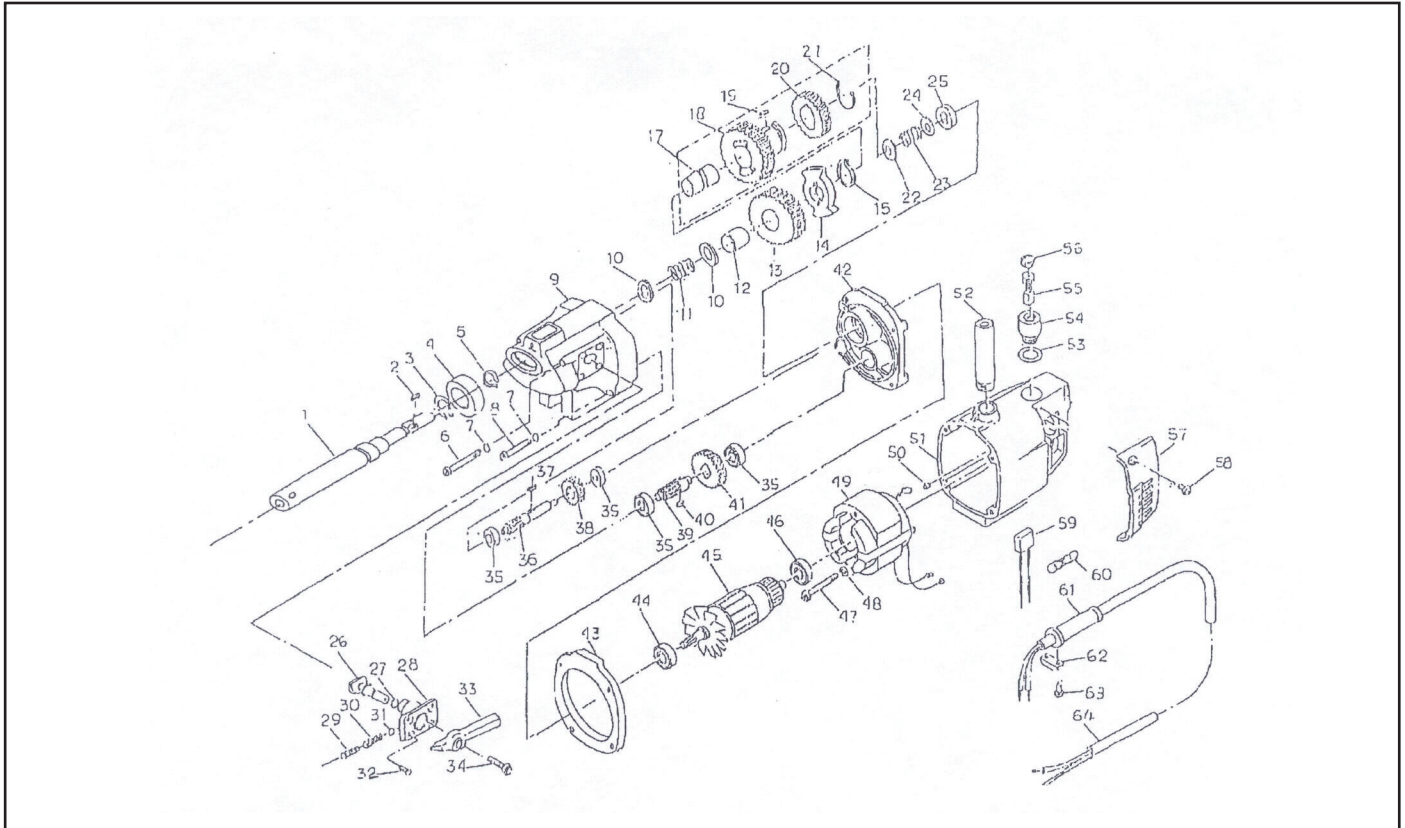
The parts numbers with () are included in the Assy parts written above them.

No.	Part No.	Part Name	Q'ty	Price	No.	Part No.	Part Name	Q'ty	Price	No.	Part No.	Part Name	Q'ty	Price
1	LP30156	Pan Head Screw 4 X 6	2		58	TQ00932	Packing Body	2		122	TQ01962	Collar Cap K-100 16CSBL	1	
2	TQ00926	Protection Cover	1		56	TP02639	Hex. Nut M4	9		123	TQ04982	Gear Box Cover	1	
3	TB03986	Drill Motor Sub Assy B	1 set		63	TQ00258	Seal Washer M4	6		124	TQ01924	Ball Bearing 688ZZ	1	
4	TA9A028	Brush Assy (2 pcs/set)	1 set		64	TQ01526	Pan Head Screw 4 X 10	4		125	TQ01926	Washer 10.2 X 20 X 0.6	1	
45	TQ05078	Label Drill rpm	1		65	TP02419	+ Screw 6 X 10	8		126	TB01360	Spur Gear 30 Mt Assy	1 set	
5	TQ05065	Label - Cutter Insertion	1		66	TQ01331	Seal Washer M6	9		127	TQ02435	Spur Gear 70 M1B	1	
6	TQ05064	Cutter Mounting Label	1		67	TQ06042	Mounting Plate	1		128	TQ01913	Sunk Key 4 X 4 X 7 - Round-end	2	
54	TQ05066	Cutter Caution Label	1		70	TB05293	Control Board Assy	1 set		129	TP10130	Sunk Key 3 X 3 X 10	1	
7	TQ00927	Drill Motor Packing	1		71	TB01363	Slide Detection Device	1 set		130	TQ01923	Gear Shaft B	1	
8	TP14495	Petcock Valve 1/8(PT)	2		72	TP14471	Hex. Socket Bolt 4 X 20	2		131	TQ01916	Ball Bearing 6801ZZ	2	
9	CP21947	Seal Packing	1		73	FS00315	+ Pan Head Screw 2 X 20	2		132	TQ04715	Hex. Bolt 4 X 8	12	
10	TP14500	Hose Nipple	2		74	TQ00729	Spring Washer M2	2		133	TQ01920	Retaining Ring RTW-9	1	
11	TB01098	Tube 4 X 7 X 240	1 set		75	TQ00707	Shaft	2		134	TQ01912	Spring Stopper	1	
12	TP15821	Dropper Nipple	2		76	TP03914	Hex. Nut Type 3 M16	1		135	TQ01911	Spring 0.6 X 3 X 35	1	
13	TB02534	Side Handle Assy	1 set		77	TQ00720	Stabilizer Shaft	1		136	TQ01919	Spool	1	
14	TB00503	Oil Dropper Assy	1 set		78	TP08598	+ Screw 3 X 5	3		137	TQ01963	Washer 14.5 X 25 X 0.6	1	
15	TP15820	Tube 4 X 7 X 120	1 set		79	TQ00844	Name Plate -Auto Feeder	1		138	TQ02434	Spur Gear 70M1A	1	
16	TP03261	Spring Pin 4 X 26 AW	1		80	TQ01903	Inner Shaft	1		139	TB01358	Clutch Gear Sub Assy	1 set	
17	TB01672	Ball 5/16 Assy.	1 set		81	TQ01901	Handle Boss	1		140	TP15428	Ball 5mm Dia.	2	
18	TP15998	Spring 1.6 X 16.2 X 120	1		82	TP12821	Spring Pin 5 X 26	3		141	TQ01915	Gear Shaft A	1	
19	TQ01895	Pilot Spacer	1		83	TQ00680	Rod Handle	3		142	TQ01917	Ball Bearing 6803ZZ	1	
20	TP15848	Spacer 10.5 X 19 X 5	2		84	CP01123	Ball 3/16	7		143	TQ01918	Shift Ring	1	
21	TP13905	Retaining Ring RTW19	1		85	TP06396	Spring	3		144	TQ01960	Roll Pin 4 X 22	1	
22	TB01348	Washer Assy	1 set		86	TP06397	Hex. Screw 6 X 8	3		145	TQ01909	Gear Box	1	
23	TQ01898	Spring 0.8 X 12 X 31	1		87	TP13891	Spring Pin 5 X 38	1		146	TB01356	Plain Gear 41 Assy	1 set	
24	TB01349	Push Ring Assy	1 set		88	TQ01902	Clutch Shaft	1		147	TP04197	Hex. Bolt 6 X 30	2	
25	TQ01896	Twist Spring	1		89	TQ01904	Clutch Ring	1		148	TB02952	Motor Assy	1 set	
26	TQ01897	Sleeve	1		90	TQ00682	Spring 1.2 X 8 X 17	1			(TB00599)	Carbon Brush Assy (2 pcs/set)	1 set	
27	TP15239	Retaining Ring C-28	1		91	TP00092	Plain Washer M6	1		149	TP18619	Hex. Socket Head Cap Screw 4 X 30	4	
28	TB00713	Oil Ring Assy	1 set		92	TQ00683	Grip Ring GS-6.0	1		150	TQ01961	Grip Ring GS-8	1	
29	(TP14499)	Oil Seal GD38 X 48 X 4	2		93	TP02931	Set Screw	1		151	TB00510	Harmonic Assy	1 set	
30	TP12773	Washer 38.5 X 54 X 1	1		94	TP07419	Hex. Nut Type 3 M6	5		152	TP12328	Retaining Ring STW-9	1	
31	TP14969	Retaining Ring ISTW-38	1		95	TQ04781	Hex. Socket Set Screw 6 X 14	5		153	TQ01952	Clutch	1	
32	TQ04779	Oil Tank	1		96	TB01286	Cable Card Assy	1 set		154	TQ00725	Ball Bearing 6809 ZZ	2	
33	TB03785	Cap Assy	1 set		97	LP08489	+ Screw 4 X 6	1		155	TP17384	Retaining Ring C-32	1	
34	(TQ00701)	Packing Cap	1		98	TP13889	Connector SC4-3	1		156	TP14412	Retainer Holder	1	
35	TB01380	Oil Tank Bracket Sub Assy	1 set		163	TQ01838	Cable Connector SC4-1	1		157	TP01945	Hex. Bolt 5 X 12	1	
36	(TP11994)	O-Ring P-4	1		99	TB04376	Body Sub Assy A	1 set		159	TQ04949	Blade	1	
37	(CP20180)	O-Ring P-18	1		100	(TP05136)	Rivet No. 2 X 4.8	6		160	TB03863	Blade Base Assy	1 set	
38	TP03086	Hex. Bolt 6 X 20	6		101	(TP04769)	Plate Serial Number	1		161	TP14178	Hex. Bolt 6 X 10	2	
39	TQ02497	Slide Board	1		102	(TQ05610)	Warning Plate	1		162	TQ04952	Chip Stopper	1	
40	TP14717	Hex. Socket Bolt 10 X 20	1		103	TB03968	Transformer Power Supply Assy	1 set						
41	TP07118	Hex. Bolt 6 X 16	2		104	TP00067	Hex. Nut M3	3						
42	TP04532	Hex. Socket Bolt 5 X 30	4		105	TP04126	Snap Ring E-12	3						
43	TQ02496	Rack	1		106	TQ00708	Spur Gear 24 M1.5	1						
44	TB02694	Bracket Assy	1 set		107	TQ00706	Spur Gear 16 X 24	1						
164	(TQ03444)	Needle Bearing B-2410	1		108	TB03702	Switch Assy	1 set						
46	TQ05344	Hex. Socket Bolt 8 X 20	6		109	TP02627	Hex. Nut M2	2						
48	TP12777	Slide Plate	2		110	TQ00703	Limit Switch DC3A-D3RB	1						
49	TQ01905	Jib	1		111	TB03967	Transformer Sensor Assy	1 set						
50	TQ00394	Seal Bushing	1		112	TQ01330	Seal Washer M3	3						
51	TQ01928	Packing for Pole	1		113	TP00153	+ Screw 3 X 12	3						
52	TB04022	Square Pole Assy	1 set		114	TP12819	Pan Head Screw 4 X 6	2						
54	TQ04783	Supporter	5		115	TB01381	Switch Knob Assy	1 set						
55	TB00578	H Cord Assy	1 set		116	TQ05073	Switch Plate	1						
57	TB00577	F Cord Assy	1 set		120	TB00573	D Cord Assy	1 set						
					121	TB03809	Cord Assy M-M	1 set						

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	
	TA9027	Safety Chain Assy	1 set	
	TB02145	Cutting Oil 0.5L	1	
	TQ05612	Instruction Manual	1	
	TP10198	Tool Box 285 X 125 X 62	1	
	TQ05186	Label Combination	1	

QA-6500 MOTOR ASSEMBLY AND PARTS LIST



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

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 25.2 X 32 X 1	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	TB01087	Spiral 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	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	TB01035	Armature Ass'y (230V)	1 set	
46	TP06242	Ball Bearing 629ZZ	1	
47	TQ00988	+ Round Head Screw 5 X 75	2	
48	TP00513	Spring Washer M5	2	
49	TB01036	Field Ass'y (230V)	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 FNCW-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	