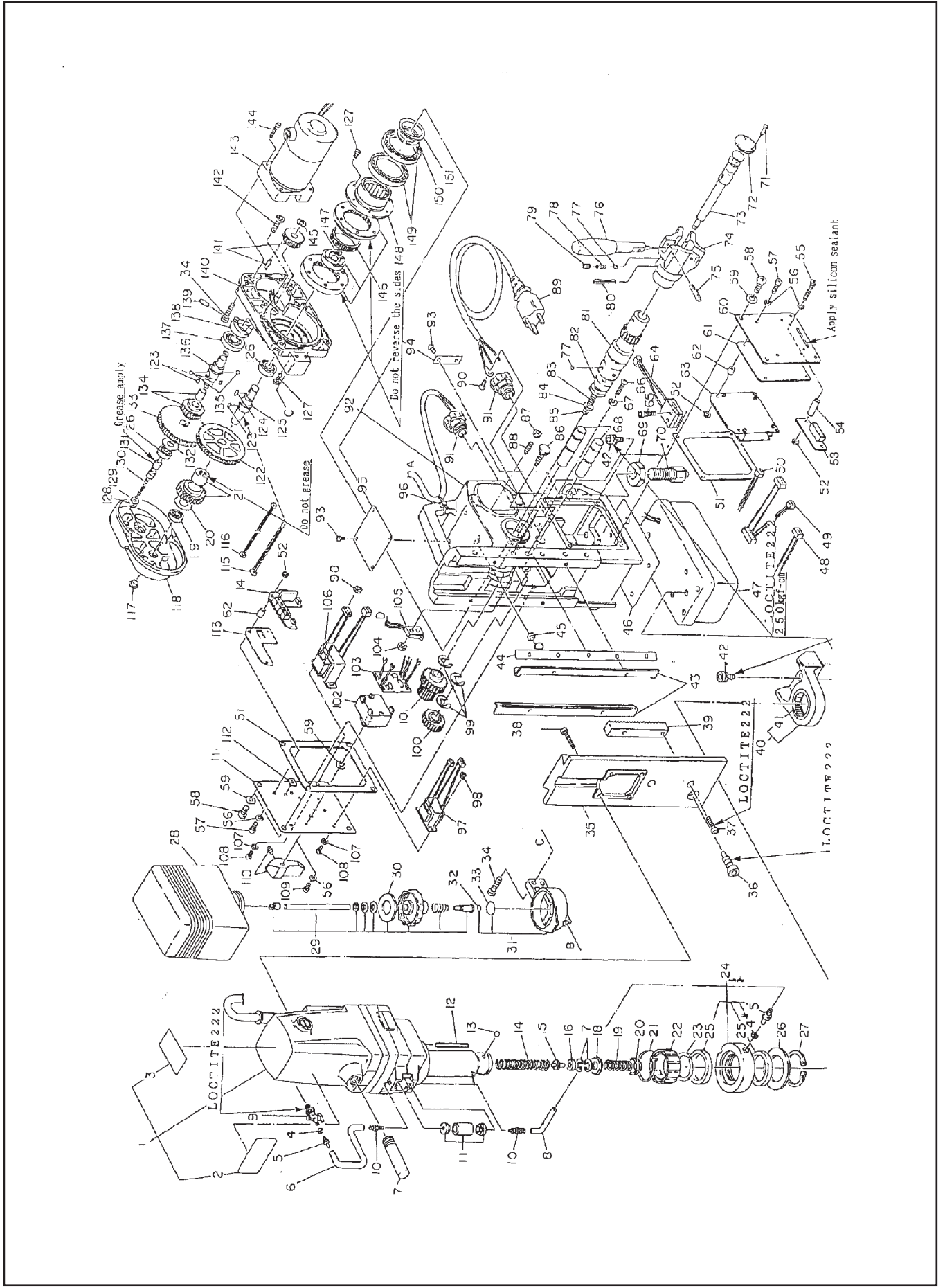


# ATRA ACE QA-3500 (110-120V) ASSEMBLY AND PARTS LIST



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	TB04072	Drill Motor Assy (115V)	1 set		56	TQ00258	Seal Washer M4	11		112	TQ00740	Packing Changeover Switch	1	
2	(TB00598)	Carbon Brush (2 pcs/set)	1 set		57	TP02638	+ Screw 4 X 12	7		113	TQ01935	Insulation Paper Switch Plate	1	
3	(TQ00962)	Caution -Label	1		58	TP02419	+ Screw 6 X 10	8		114	TB01366	Control Board D Assy	1 set	
4	(TQ03399)	Caution -Cutler Label	1		59	TQ01331	Seal Washer M6	9		115	TB00573	D Cord Assy	1 set	
5	CP21947	Seal Packing	2		60	TQ03059	Mounting Plate	1		116	TB00574	B-G Cord Assy	1 set	
6	TP14500	Hose Nipple	2		61	TQ01937	Insulation Paper -Circuit Board	1		117	TQ01962	Collar Cap K-100 16CSBL	1	
7	TP15821	Tube 4 X 7 X 240	1 set		62	TQ00741	Spacer 4EP-4	7		118	TQ01910	Gear Box Cover	1	
8	TB02534	Side Handle Assy	1 set		63	TB02757	Control Board AB Assy (115V)	1 set		119	TQ01924	Ball Bearing 688ZZ	1	
9	TP15820	Tube 4 X 7 X 3000 Assy	1 set		64	TB01363	Slide Detection Device	1 set		120	TQ01926	Washer 10.2 X 20 X 0.6	1	
10	TP14495	Petcock Valve 1/8(PT)	1		65	TP14471	Hex Socket Bolt 4 X 20	2		121	TB01360	Spur Gear 30 M1 Assy	1 set	
11	TB00573	Dropper Nipple	2		66	FS00315	+ Pan Head Screw 2 X 20	2		122	TQ02435	Spur Gear 70M1B	1	
12	TB00503	Oil Dropper Assy	1 set		67	TQ00729	Spring Washer M2	2		123	TQ01913	Sunk Key 4 X 4 X 7 Round-end	2	
13	TP03261	Spring Pin 4 X 26	1 set		68	TQ00707	Shaft	2		124	TP10130	Sunk Key 3 X 3 X 10	1	
14	TP15998	Spring 1.6 X 16.2 X 120	1 set		69	TP03914	Hex Nut Type3 M16	1		125	TQ01923	Gear Shaft B	2	
15	TQ01895	Pilot Spacer	1		70	TQ01954	Stabilizer Shaft	1		126	TQ01916	Ball Bearing 6801ZZ	1	
16	TP15848	Spacer 10.5 X 19 X 5	1		71	TP08598	+ Screw 3 X 5	3		127	TP04715	Hex. Bolt 4 X 8	12	
17	TP13905	Retaining Ring RTW-19	2		72	TQ00844	Name Plate -Auto Feeder	1		128	TQ01920	Retaining Ring RTW-9	1	
18	TB01348	Washer Assy	1 set		73	TQ01903	Inner Shaft	1		129	TQ01912	Spring Stopper	1	
19	TQ01898	Spring 0.8 X 12 X 31	1		74	TQ01901	Handle Boss	1		130	TQ01911	Spring 0.6 X 3 X 35	1	
20	TB01349	Push Ring Assy	1 set		75	TP12821	Spring Pin 5 X 26	3		131	TQ01919	Spool	1	
21	TQ01896	Twist Spring	1		76	TQ00680	Rod Handle	3		132	TQ01963	Washer 14.5 X 25 X 0.6	1	
22	TQ01897	Sleeve	1		77	CP01123	Ball 3/16	7		133	TQ02434	Spur Gear 70M1A	1 set	
23	TP15239	Retaining Ring C-28	1		78	TP06396	Spring	3		134	TB01358	Clutch Gear Sub Assy	1 set	
24	TB00713	Oil Ring Assy	1 set		79	TP06397	Hex Screw 6 X 8	3		135	TP15428	Ball 5mm Dia.	2	
25	(TP14499)	Oil Seal GD38 X 48 X 4	2		80	TP13891	Spring Pin 5 X 38	1		136	TQ01915	Gear Shaft A	1	
26	TP12773	Washer 38.5 X 54 X 1	1		81	TQ01902	Clutch Shaft	1		137	TQ01917	Ball Bearing 6803ZZ	1	
27	TP14969	Retaining Ring ISTW-38	1		82	TQ01904	Clutch Ring	1		138	TQ01918	Shift Ring	1	
28	TQ00702	Oil Tank	1		83	TQ00682	Spring 1.2 X 8 X 17	1		139	TQ01960	Roll Pin 4 X 22	1	
29	TB00516	Cap Assy	1 set		84	TP00092	Washer M6	1		140	TQ01909	Gear Box	1	
30	(TQ00701)	Packing Cap	1		85	TQ00683	Grip Ring GS-6.0	1		141	TB01356	Spur Gear 41 Assy	1 set	
31	TB01380	Oil Tank Bracket Sub Assy	1 set		86	TP02931	Set Screw	1		142	TP04197	Hex. Bolt 6 X 30	2	
32	(TP11994)	O-Ring P-4	1		87	TP07419	Hex Nut Type 3 M6	5		143	TB02681	Feed Motor Assy (115V)	1 set	
33	(CP20180)	O-Ring P-18	1		88	TQ00730	Hex Socket Set Screw 6 X 20	5		144	TP18619	Hex. Socket Head Cap Screw 4 X 30	1 set	
34	TP03086	Hex. Bolt 6 X 20	6		89	TA9A757	Cabtyre Cable Assy	1 set		145	TQ01961	Grip Ring GS-8	1	
35	TQ01899	Slide Board	1		90	TP08489	+ Screw 4 X 6	2		146	TP00510	Harmonic Assy	1 set	
36	TP14717	Hex. Socket Bolt 10 X 20	1		91	TP13889	Connector SC4-3	1		147	TP12328	Retaining Ring STW-9	1	
37	TP14178	Hex. Bolt 6 X 10	2		92	TB02766	Body Sub Assy A	1 set		148	TQ01952	Clutch	2	
38	TP08013	Hex. Bolt 5 X 25	4		93	(TP05136)	Drive Rivet No.2 X 4.8	6		149	TQ00725	Ball Bearing 6809 ZZ	1	
39	TP15111	Rack	1		94	(TP04769)	Plate Serial Number	1		150	TP17384	Retaining Ring C-32	1	
40	TB02694	Bracket Assy	1 set		95	(TQ00845)	Warning Label	1		151	TP14412	Retainer Holder	1	
41	(TQ03444)	Needle Bearing B-2410	1		96	TP06776	Cable Tie T-30R	1						
42	TQ03344	Hex. Socket Bolt 8 X 20	6		97	TB00633	Transformer Sensor Assy (115V)	1 set						
43	TP12777	Slide Plate	2		98	TP00067	Hex. Nut M3	3						
44	TQ01905	Jib	1		99	TP04126	Spur Ring E-12	3						
45	TQ00394	Seal Bushing	1		100	TQ00708	Spur Gear 24 M1.5	1						
46	TQ01928	Packing for Pole	1		101	TQ00706	Spur Gear 16 X 24	1						
47	TB02687	Square Pole Assy (115V)	1 set		102	TQ00710	Rotary Switch EC2312	1						
48	TB00578	H Cord Assy	1 set		103	TB02689	Control Board E Assy	1 set						
49	TB00579	C-LM Cord Assy	1 set		104	TP02627	Hex. Nut M2	2						
50	TB00577	F-Cord Assy	1 set		105	TQ00703	Limit Switch DC3A-D3RB	1						
51	TQ01933	Packing for Body	2		106	TB00632	Trans. Power Supply Assy (115V)	1 set						
52	TP02639	Hex. Nut M4	9		107	TQ01330	Seal Washer M3	3						
53	TB01371	Control Board C Assy	1 set		108	TP00153	+ Screw 3 X 12	3						
54	TQ00743	Spacer 4EP-14	2		109	TP12819	+ Pan Head Screw 4 X 6	2						
55	TP08663	+ Screw 4 X 25	2		110	TB01381	Switch Knob Assy	1 set						
					111	TQ03058	Switch Plate	1						

**ACCESSORIES**

No.	Part No.	Part Name	Q'ty	Price
	TP04696	Hex. Wrench Key 3	1	
	TP17014	Spanner 8 X 10	1	
	UEA0835	Pilot Pin 5/16" X 1-3/8" DOC	1	
	TA99027	Safety Chain Assy	1 set	
	TB02145	Cutting Oil 0.5L	1 set	
	TQ03064	Instruction Manual	1	
	TP10198	Tool Box 285 X 125 X 62	1	
	TQ01066	Frequency Setting Sheet	1	
	TQ03060	Combination Label	1	