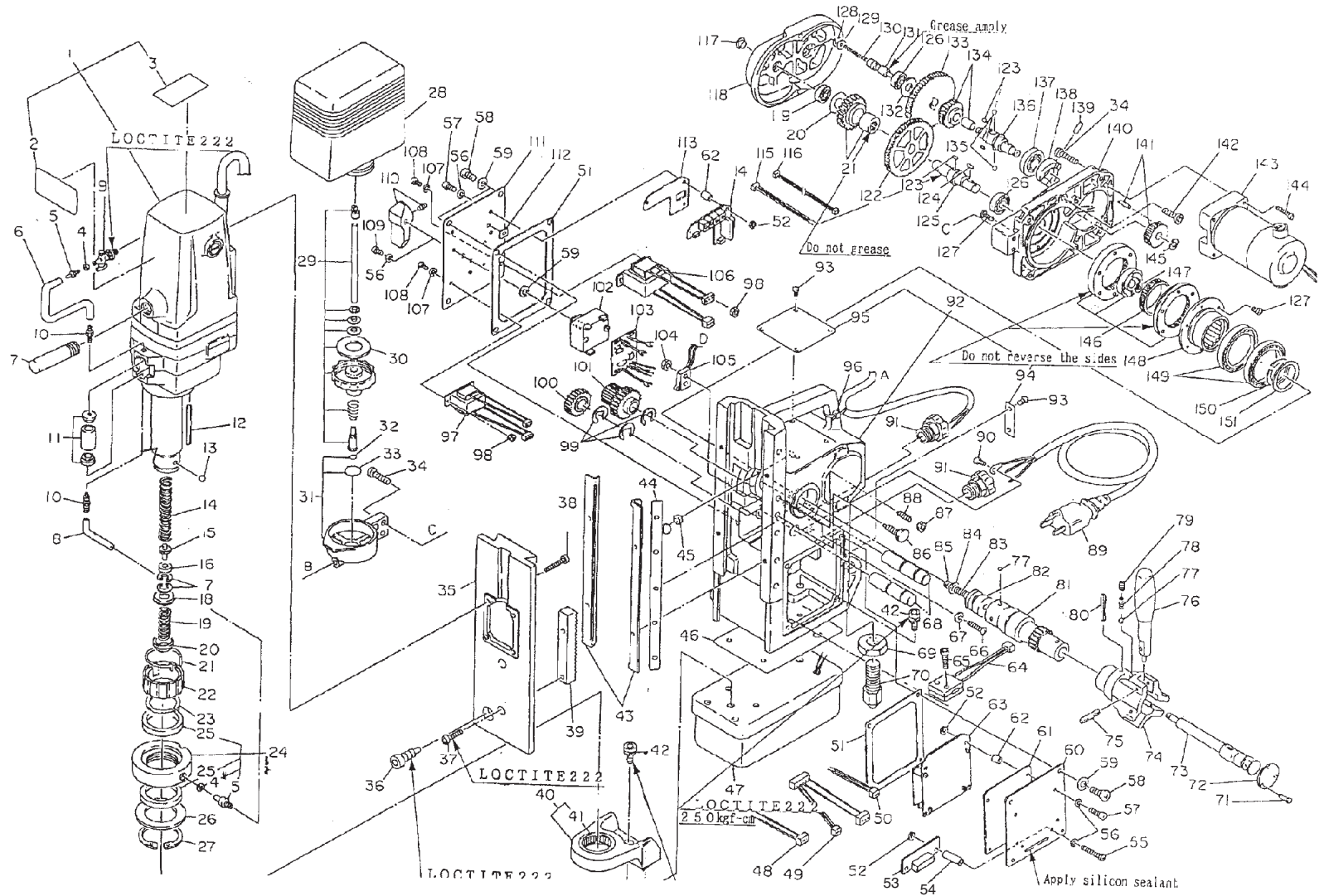


ATRA ACE QA-3500 (110-120V) ASSEMBLY AND PARTS LIST



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

No.	Part No.	Part Name	Q'ty	Price	No.	Part No.	Part Name	Q'ty	Price	No.	Part No.	Part Name	Q'ty	Price
1	TB04072	Drill Motor Ass'y (115V)	1 set		56	TQ00258	Seal Washer M4	11		112	TQ00740	Packing Changeover Switch	1	
	(TB00598)	Carbon Brush (2 pcs/set)	1 set		57	TP02638	+ Screw 4 X 12	7		113	TQ01935	Insulation Paper Switch Plate	1	
2	(TQ00962)	Caution -Label	1		58	TP02419	+ Screw 6 X 10	8		114	TB01366	Control Board D Ass'y	1 set	
3	(TQ03399)	Caution -Cutter Label	1		59	TQ01331	Seal Washer M6	9		115	TB00573	D Cord Ass'y	1 set	
4	CP21947	Seal Packing	2		60	TQ03059	Circuit Board	1		116	TB00574	B-G Cord Ass'y	1 set	
5	TP14500	Hose Nipple	2		61	TQ01937	Insulation Paper -Circuit Board	1		117	TQ01962	Collar Cap K-100 16CSBL	1	
6	TB01098	Tube 4 X 7 X 3000 Ass'y	1 set		62	TQ00741	Spacer 4EP-4	7		118	TQ01910	Gear Box Cover	1	
7	TB02534	Side Handle Ass'y	1 set		63	TB02757	Control Board AB Ass'y (115V)	1 set		119	TQ01924	Ball Bearing 688ZZ	1	
8	TB01098	Tube 4 X 7 X 3000 Ass'y	1 set		64	TB01363	Slide Detection Device	1 set		120	TQ01926	Washer 10.2 X 20 X 0.6	1	
9	TP14495	Petock Valve 1/8(PT)	1		65	TP14471	Hex Socket Bolt 4 X 20	2		121	TB01360	Spur Gear 30 M1 Ass'y	1 set	
10	TQ00672	Dropper Nipple	2		66	FS00315	+ Pan Head Screw 2 X 20	2		122	TQ02435	Spur Gear 70M1B	1	
11	TB00503	Oil Dropper Ass'y	1 set		67	TQ00729	Spring Washer M2	2		123	TQ01913	Sunk Key 4 X 4 X 7 Round-end	2	
12	TP03261	Spring Pin 4 X 26 AW	1		68	TQ00707	Shaft	2		124	TP10130	Sunk Key 3 X 3 X 10	1	
13	TB01672	Ball 5/16 Ass'y	1 set		69	TP03914	Hex Nut Type3 M16	1		125	TQ01923	Gear Shaft B	1	
14	TP15998	Spring 1.6 X 16.2 X 120	1		70	TQ01954	Stabilizer Shaft	1		126	TQ01916	Ball Bearing 6801ZZ	2	
15	TQ01895	Pilot Spacer	1		71	TP08598	+ Screw 3 X 5	3		127	TP04715	Hex. Bolt 4 X 8	12	
16	TP15848	Spacer 10.5 X 19 X 5	1		72	TQ00844	Name Plate -Auto Feeder	1		128	TQ01920	Retaining Ring RTW-9	1	
17	TP13905	Retaining Ring RTW19	2		73	TQ01903	Inner Shaft	1		129	TQ01912	Spring Stopper	1	
18	TB01348	Washer Ass'y	1 set		74	TQ01901	Handle Boss	1		130	TQ01911	Spring 0.6 X 3 X 35	1	
19	TQ01898	Spring 0.8 X 12 X 31	1		75	TP12821	Spring Pin 5 X 26	3		131	TQ01919	Spool	1	
20	TB01349	Push Ring Ass'y	1 set		76	TQ00680	Rod Handle	3		132	TQ01963	Washer 14.5 X 25 X 0.6	1	
21	TQ01896	Twist Spring	1		77	CP01123	Ball 3/16	7		133	TQ02434	Spur Gear 70M1A	1	
22	TQ01897	Sleeve	1		78	TP06396	Spring	3		134	TB01358	Clutch Gear Sub Ass'y	1 set	
23	TP15239	Retaining Ring C-28	1		79	TP06397	Hex Screw 6 X 8	3		135	TP15428	Ball 5mm Dia.	2	
24	TB00713	Oil Ring Ass'y	1 set		80	TP13891	Spring Pin 5 X 38	1		136	TQ01915	Gear Shaft A	1	
25	(TP14499)	Oil Seal GD38 X 48 X 4	2		81	TQ01902	Clutch Shaft	1		137	TQ01917	Ball Bearing 6803ZZ	1	
26	TP12773	Washer 38.5 X 54 X 1	1		82	TQ01904	Clutch Ring	1		138	TQ01918	Shift Ring	1	
27	TP14969	Retaining Ring ISTW-38	1		83	TQ00682	Spring 1.2 X 8 X 17	1		139	TQ01960	Roll Pin 4 X 22	1	
28	TQ00702	Oil Tank	1		84	TP00092	Washer M6	1		140	TQ01909	Gear Box	1	
29	TB00516	Cap Ass'y	1 set		85	TQ00683	Grip Ring GS-6.0	1		141	TB01356	Spur Gear 41 Ass'y	1 set	
30	(TQ00701)	Packing Cap	1		86	TP02931	Set Screw	1		142	TP04197	Hex. Bolt 6 X 30	2	
31	TB01380	Oil Tank Bracket Sub Ass'y	1 set		87	TP07419	Hex Nut Type 3 M6	5		143	TB02681	Feed Motor Ass'y (115V)	1 set	
32	(TP11994)	O-Ring P-4	1		88	TQ00730	Hex Socket Set Screw 6 X 20	5			(TB00599)	Carbon Brush Ass'y (2 pcs/set)	1 set	
33	(CP20180)	O-Ring P-18	1		89	TA9A757	Cabtyre Cable Ass'y	1 set		144	TP18619	Hex. Socket Head Cap Screw 4 X 30	4	
34	TP03086	Hex Socket Head Cap Screw 6 X 20	6		90	LP08489	+ Screw 4 X 6	1		145	TQ01961	Grip Ring GS-8	1	
35	TQ01899	Slide Board	1		91	TP13889	Connector SC4-3	2		146	TB00510	Harmonic Ass'y	1 set	
36	TP14717	Hex. Bolt 10 X 20	1		92	TB02766	Body Sub Ass'y A	1 set		147	TP12328	Retaining Ring STW-9	1	
37	TP14178	Hex. Bolt 6 X 10	2		93	(TP05136)	Drive Rivet No.2 X 4.8	6		148	TQ01952	Clutch	1	
38	TP08013	Hex. Bolt 5 X 25	4		94	(TP04769)	Plate Serial Number	1		149	TQ00725	Ball Bearing 6809 ZZ	2	
39	TP15111	Rack	1		95	(TQ00845)	Warning Label	1		150	TP17384	Retaining Ring C-32	1	
40	TB02694	Bracket Ass'y	1 set		96	TP06776	Cable Tie T-30R	1		151	TP14412	Retainer Holder	1	
41	(TQ03444)	Needle Bearing B-2410	1		97	TB00633	Transformer Sensor Ass'y (115V)	1 set						
42	TQ03344	Hex Socket Bolt 8 X 20	6		98	TP00067	Hex. Nut M3	3						
43	TP12777	Slide Plate	2		99	TP04126	Retaining Ring E-12	3						
44	TQ01905	Jib	1		100	TQ00708	Spur Gear 24 M1.5	1						
45	TQ00394	Seal Bushing	1		101	TQ00706	Spur Gear 16 X 24	1						
46	TQ01928	Packing for Pole	1		102	TQ00710	Rotary Switch EC2312	1						
47	TB02687	Square Pole Ass'y	1 set		103	TB02689	Control Board E Ass'y	1 set						
48	TB00578	H Cord Ass'y	1 set		104	TP02627	Hex. Nut M2	2						
49	TB00579	C-LM Cord Ass'y	1 set		105	TQ00703	Limit Switch DC3A-D3RB	1						
50	TB00577	F-Cord Ass'y	1 set		106	TB00632	Trans. Power Supply Ass'y (115V)	1 set						
51	TQ01933	Packing Body	2		107	TQ01330	Seal Washer M3	3						
52	TP02639	Hex. Nut M4	9		108	TP00153	+ Screw 3 X 12	3						
53	TB01371	Control Board C Ass'y	1 set		109	TP12819	+ Pan Head Screw 4 X 6	2						
54	TQ00743	Spacer 4EP-14	2		110	TB01381	Switch Knob Ass'y	1 set						
55	TP08663	+ Screw 4 X 25	2		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 1-3/8" Length	1	
	TA99027	Safety Chain Ass'y	1 set	
	TB02145	Cutting Oil 0.5L	1	
	TQ03064	Instruction Manual	1	
	TP10198	Tool Box 285 X 125 X 62	1	
	TQ01066	Frequency Setting Sheet	1	
	TQ03060	Combination Label	1	