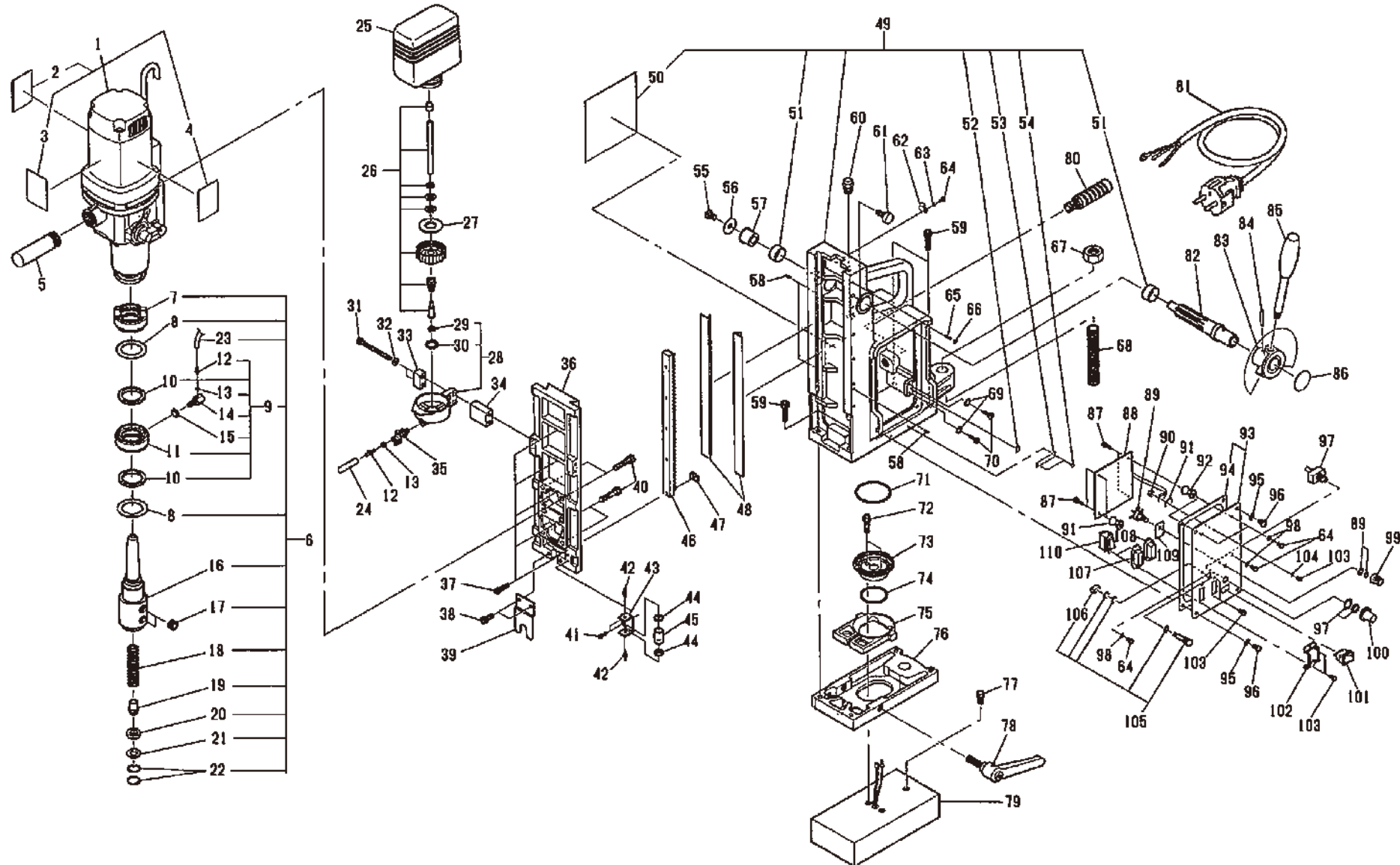


Exploded view/parts list are subject to change at any time without notice. (As of Aug. 2016)

## ATRA ACE ARA-100A ASSEMBLY

### ⚠ WARNING

The illustration is for information only. Users should never disassemble parts. Contact the sales agent from whom you purchased the tool or authorized dealer should the tool need service, repair or replacement of parts.



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## ATRA ACE ARA-100A 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	TB09630	Drill Motor Ass'y (230V)	1set	
-	(TB09332)	Carbon Brush Ass'y	1set	
2	(TQ14205)	Caution Label JBO	1	
3	(TQ14442)	Caution Label Drilling	1	
4	(TQ14204)	Shift Operation Label	1	
5	TB02534	Side Handle Ass'y	1set	
6	TB09792	Holder MT03075 Side lock Ass'y	1set	
7	(TQ14338)	Key Ring	1	
8	(TP12773)	Washer 38.5x54x1	2	
9	(TB09270)	Oil Ring Ass'y	1set	
10	(TP14499)	Oil Seal GD 38x48x4	2	
11	(TQ13739)	Oil Ring	1	
12	(TP14500)	Hose Nipple	2	
13	(CP21947)	Packing S-4.7x8x0.8	2	
14	(TQ13740)	Stopper Bolt	1	
15	(TQ01050)	Hex. Nut M8	1	
16	(TQ14337)	Holder MT03075 Side lock	1	
17	(TP17597)	Hex. Socket Set Screw with Flat Point 16 x 9 special	2	
18	(TQ13735)	Spring 1.4x15x105	1	
19	(TQ13736)	Pilot Spacer s75	1	
20	(TQ13737)	Spacer 14x24.2x6	1	
21	(TQ13738)	Washer 14x23.9x3.2	1	
22	(TP10448)	Internal Retaining Ring C-14	2	
23	(TB01098)	Tube 4x7x3000 Ass'y(70mm)	1set	
24	TB01098	Tube 4x7x3000 Ass'y(450mm)	1set	
25	TQ00702	Oil Tank	1	
26	TB00516	Cap Ass'y	1set	
27	(TQ00701)	Packing Cap	1	
28	TB01380	Oil Tank Bracket Sub Ass'y	1set	
29	(TP11994)	O-ring P-4	1	
30	(CP20180)	O-ring P-18	1	
31	TP02739	Hex. Socket Head Cap Screw 6x75	2	
32	TP00092	Washer M6	2	
33	TQ13741	Guard Tank Bracket	1	
34	TQ03118	Spacer Oil Tank Bracket	1	
35	TP14495	P Valve PT1/8	1	
36	TQ13539	Slide Board	1	
37	TQ08013	Hex. Socket Head Cap Screw 5x25	5	
38	TP14178	Hex. Socket Head Cap Screw 6x10	2	
39	TQ13697	Stopper Plate	1	
40	TP02260	Hex. Socket Head Cap Screw 8x35	4	
41	TP06342	Hex. Socket Head Cap Screw 4x10	2	
42	TQ00672	Dropper Nipple	2	
43	TQ13696	Dropper Holder	1	
44	TQ00671	Dropper Packing	2	
45	TQ00670	Dropper Pipe	1	
46	TP05091	Rack	1	
47	TP02861	Stopper	1	
48	TP13832	Slide Plate	2	
49	TB09595	Body Ass'y	1set	
50	(TQ14203)	Label Explanation of function	1	
51	(TQ13694)	Bushing K5B2520	2	
52	(TQ11282)	Label Earth	1	
53	(TP04769)	Plate Serial Number	1	
54	(TP05136)	Drive Rivet No.2x4.8	2	
55	TQ13731	Hex. Socket Button Head Screw 8x12	1	
56	TQ13730	Washer 8.5x30x2	1	
57	TQ13729	Bushing	1	
58	TP04519	Hex. Socket Set Screw with Dog Point 5x18	4	
59	TP07353	Hex. Socket Head Cap Screw 8x30	4	
60	TQ07097	Cable Connector 3217	1	
61	TP02931	Set Screw	1	

No.	Part No.	Part Name	Q'ty	Price
62	TQ13733	Cable Clamp	1	
63	TP00144	Washer M4	1	
64	TP02618	Pan Head Screw 4x8	5	
65	TP02937	Hex. Socket Set Screw with Cup Point 5x20	6	
66	TP02936	Hex. Nut Type3 M5	6	
67	TP03909	Hex. Nut Type3 M20	1	
68	TQ13794	Hex. Socket Set Screw with Flat Point 20x120	1	
69	TP04464	Toothed Lock Washer BM4	2	
70	LP08489	Binding Head Screw 4x6	2	
71	CP22563	O-ring G-60		
72	TP00045	Hex. Socket Head Cap Screw 8x25	2	
73	TQ13725	Radial Shaft	1	
74	TQ13726	O-ring S-45	1	
75	TQ13544	Lock Plate	1	
76	TQ13543	Pole Plate	1	
77	TP02601	Hex. Socket Head Cap Screw 8x10	1	
78	TQ13727	Clamp Lever	1	
79	TB09605	Square Pole Ass'y	1set	
80	TQ13732	Cable Connector 3250	1	
81	TB09640	Cabtyre Cable Ass'y (A) TYPE:C-4	1set	
82	TQ13728	Pinion Shaft	1	
83	TP05042	Handle Boss	1	
84	TP09853	Spring Pin 5x34 Double	1	
85	TP00118	Rod Handle	3	
86	TP02573	NITTO Plate	1	
87	TP03193	Pan Head Screw 4x6	4	
88	TB09812	Spare Control Board Ass'y (230V)	1set	
89	TB09288	Volume Ass'y	1set	
90	TP00067	Hex. Nut Type1 M3	1	
91	TQ10553	Heat Radiation Seat CW-4	1	
92	TA91465	Rubber Support Ass'y	4set	
93	TB09608	Switch Plate Sub Ass'y	1set	
94	(TQ13755)	Packing Switch Plate	1	
95	TQ01331	Seal Washer M6	4	
96	TP02419	Pan Head Screw 6x10	4	
97	TB09289	Switch Ass'y B	1set	
98	TQ00258	Seal Washer M4	4	
99	TQ13763	Knob K-6	1	
100	TQ10085	Waterproofing Cap Black	1	
101	TB09286	Switch Ass'y A	1set	
102	TQ13764	Switch Guard	1	
103	TP03255	Pan Head Screw 3x8	5	
104	TQ01330	Seal Washer M3	1	
105	TB09330	Spare LED Lamp Ass'y	1set	
106	(LQ04533)	Housing	1	
107	TQ14209	Switch Cover (green)	1	
108	TQ14210	Switch Cover (clear)	1	
109	TQ14211	Volume Packing	1	
110	TQ13768	Switch ELE225K	2	

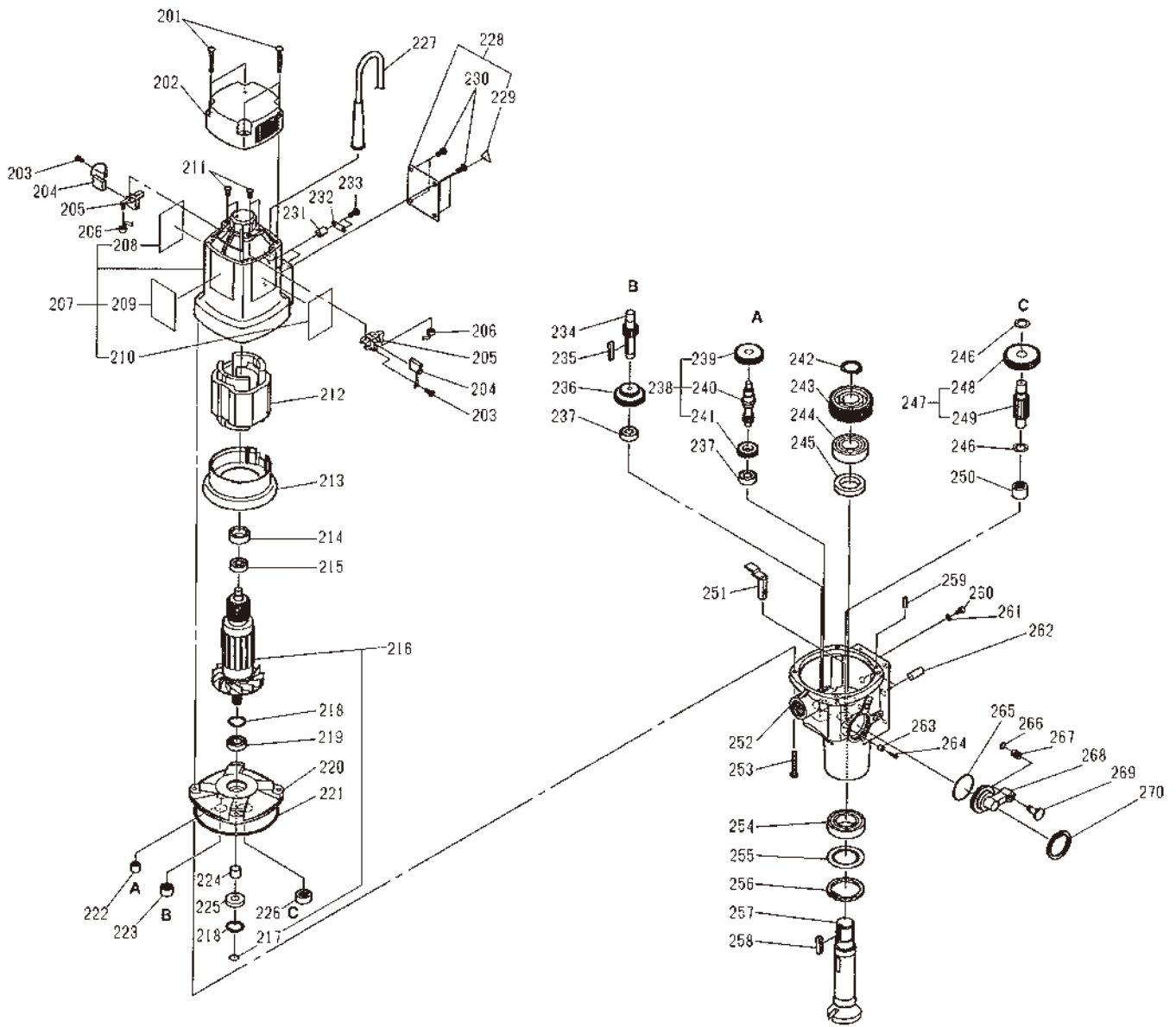
### Accessories

	Part No.	Part Name	Q'ty	Price
	TP04305	Hex. Socket Screw Key 2.5	1	
	TP04004	Hex. Socket Screw Key 5	1	
	TP00170	Hex. Socket Screw Key 6	1	
	TP03249	Hex. Socket Screw Key 8	1	
	TP14091	Spanner 7x8	1	
	TA99027	Chain Ass'y	1set	
	TQ13795	Drill Drift No.3	1	
	TQ14213	Guard	1	
	TQ14212	Instruction Manual	1	

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## ATRA ACE ARA-100A MOTOR ASSEMBLY

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



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## ATRA ACE ARA-100A MOTOR PARTS LIST

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

No.	Part No.	Part Name	Q'ty	Price
201	TQ13569	Pan Head Tapping Screw 4x40	4	
202	TQ13546	End Cap	1	
203	TQ13570	Pan Head Screw 4x8	2	
204	TB09332	Carbon Brush Ass'y	1set	
205	TB09184	Brush Holder Ass'y	2set	
206	TQ13553	Spiral Spring	2	
207	TB09600	Motor Case Sub Ass'y	1set	
208	(TQ14205)	Caution Label JBO	1	
209	(TQ14442)	Caution Label Drilling	1	
210	(TQ14204)	Label Change Operation	1	
211	LP30898	Pan Head Screw 4x12	4	
212	TB09631	Stator Ass'y (230V)	1set	
213	TQ13547	Shroud	1	
214	TQ13564	Rubber Cap	1	
215	TP01913	Ball Bearing 6000ZZ	1	
216	TB09632	Rotor Ass'y (230V)	1set	
217	(TQ14599)	Stop Ring O-10.2x1	1	
218	TP01036	Internal Retaining Ring C-28	2	
219	TP00498	Ball Bearing 6001ZZ	1	
220	TQ13541	Motor Flange	1	
221	LP11804	O-ring S-110	1	
222	TQ04099	Needle Bearing HK0810	1	
223	TP15751	Needle Bearing HK1212	1	
224	TQ13563	Collar 12x15x12	1	
225	TQ13558	Teflon Lip Seal	1	
226	TQ13812	Needle Bearing RNA4900R	1	
227	TB09192	Motor Cabtyre Cord Ass'y	1set	
228	TB09809	Motor Case Cover Ass'y	1set	
229	(TQ14461)	Electric Shock Label	1	
230	LP13008	Pan Head Tapping Screw 5x12	4	
231	TQ00741	Spacer 4EP-4	2	
232	TP14459	Cord Stopper	1	
233	TP14488	Pan Head Tapping Screw 4x20	2	
234	TQ13710	Slide Gear Shaft 1.5x12	1	
235	TQ13712	Parallel Key Both Ends Round 5x5x30	1	

No.	Part No.	Part Name	Q'ty	Price
236	TQ13711	Spur Gear 1x43-1x27	1	
237	TQ13920	Ball Bearing 6000	2	
238	TB09260	Gear Shaft A Ass'y	1set	
239	(TQ13708)	Helical Gear 1.25x29	1	
240	(TQ13707)	Gear Shaft 1x13	1	
241	(TQ13709)	Spur Gear 1x28	1	
242	TQ05256	External Retaining Ring C-24	1	
243	TQ13705	Spur Gear 1.5x39	1	
244	TQ13873	Ball Bearing 6205	1	
245	TQ13702	Oil Seal AE1679AO	1	
246	TQ13719	Washer 14.3x21.7x1	2	
247	TB09262	Gear Shaft C Ass'y	1set	
248	(TQ13714)	Spur Gear 1.5x31	1	
249	(TQ13713)	Gear Shaft 1.5x12	1	
250	TQ13699	Needle Bearing HK14/16R	1	
251	TB09263	Shift Bar Ass'y	1set	
252	TQ13540	Gear Box	1	
253	TQ13800	Pan Head Tapping Screw 5x40	4	
254	TQ13701	Ball Bearing 6006LLU	1	
255	TQ13703	Bearing Cover	1	
256	CP01109	Internal Retaining Ring C-55	1	
257	TQ14336	Spindle MT3	1	
258	TQ13706	Parallel Key 6x6x22	1	
259	TQ12425	Knock-pin MS5-15	1	
260	TP16405	Hex. Socket Head Cap Screw 4x5	1	
261	TQ00258	Seal Washer M4	1	
262	TQ13782	Knock-pin MSTP10-25	2	
263	TQ13720	Collar 4x7x7	1	
264	TQ13721	Hex. Socket Low Head Cap Screw 4x12	1	
265	CQ09185	O-ring S-39	1	
266	TV00091	External Retaining Ring ISTW-8	1	
267	TQ13718	Spring 0.5x9x12	1	
268	TQ13542	Shift Lever	1	
269	TQ13717	Plunger Pin	1	
270	TQ13722	Internal Retaining Ring IRTW-42	1	