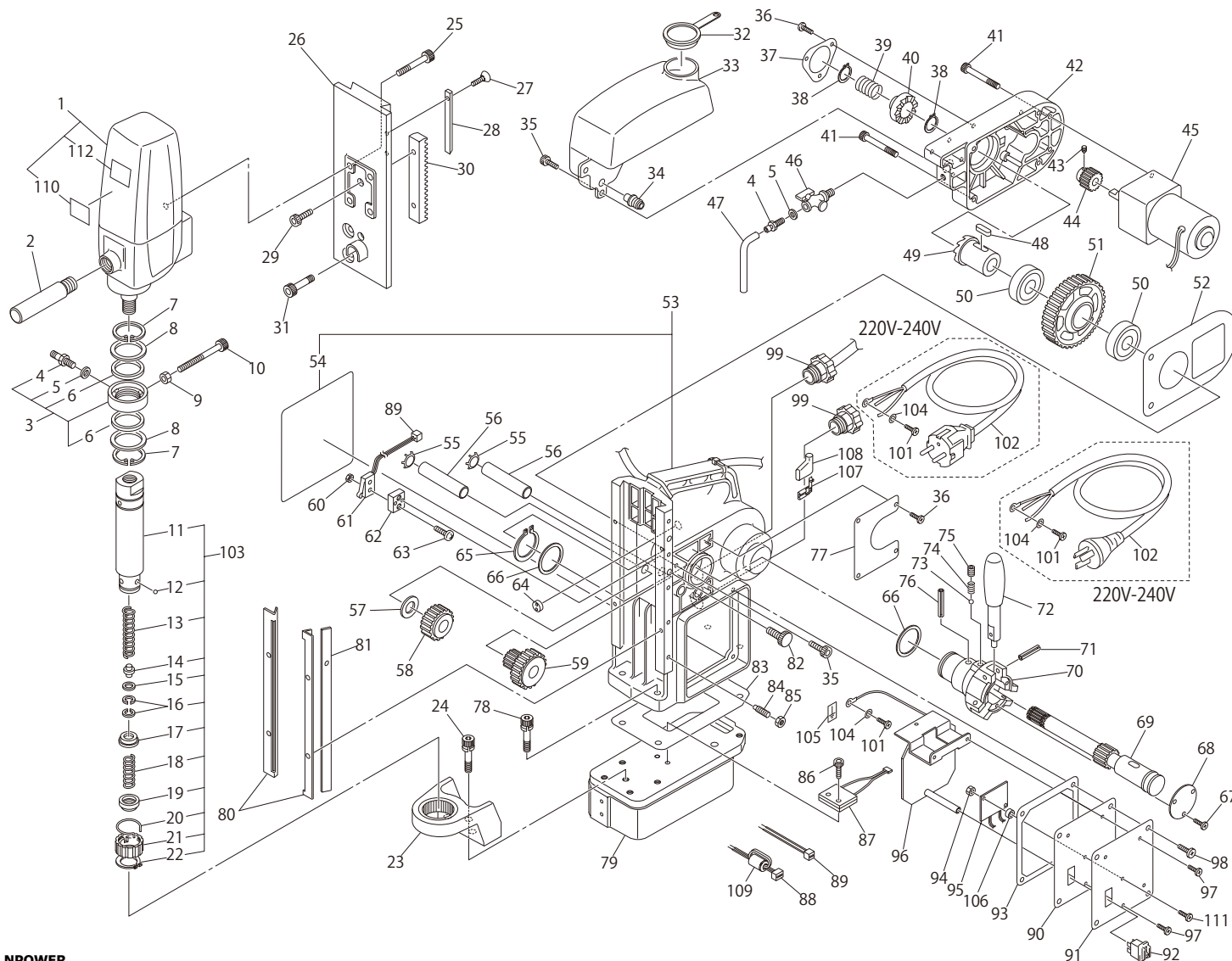


EXPLODED DIAGRAM: MACHINE

WARNING

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TQ12846-6

ATRA ACE WA-3500 PARTS LIST

The part numbers with () are included in the Ass'y parts written above them. Exploded diagram/parts list are subject to change at any time without notice. (As of Nov. 2012)

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	TB05148	Drill Motor Ass'y	1set		40	TP12325	Clutch A	1		80	TP12777	Slide Plate	2	
110	(TQ11565)	Label Arbor Warning	1		41	TQ06770	Hex. Socket Head Cap Screw 4×35	8		81	TQ06773	Gib	1	
112	(TQ13281)	Label Shock Warning	1		42	TQ06769	Gear Box	1		82	TP02931	Set Screw	1	
-	(TB05187)	Carbon Brush Ass'y	1set		43	CP26427	Hex. Socket Set Screw With Cup Point 8×20	1		83	TQ06794	Packing Pole	1	
2	TB02534	Side Handle Ass'y	1set		44	TQ06788	Spur Gear 1×23	1		84	TQ00730	Hex. Socket Set Screw With Dog Point 6×20	5	
3	TB00496	Oil Ring Sub Ass'y	1set		45	TQ06767	Geared Motor	1		85	TP07419	Hex. Nut Type 3 M6	5	
4	(TP14500)	Hose Nipple	2		46	TP14495	P-Valve PT1/8	1		86	TP10600	Hex. Socket Head Cap Screw 4×18	2	
5	(CP21947)	Packing S-4.7×8×0.8	2		47	TB01098	Tube 4×7×3000 Ass'y(200mm)	1set		87	TB01363	Side Slip Detection Function Ass'y	1set	
6	(TP14499)	Oil Seal GD38×48×4	2		48	TQ06765	Parallel Key 8×7×20 Both ends round	1		88	TB00573	D Cord Ass'y	1set	
7	TP14969	External Retaining Ring ISTW-38	2		49	TQ06763	Clutch B	1		89	TB05154	F Cord Ass'y	1set	
8	TP12773	Washer 38.5×54×1	2		50	TQ06766	Ball Bearing 6906ZZ	2		90	TQ07304	Switch Plate	1	
9	LP10496	Hex. Nut Type 1 M6	1		51	TQ06764	Spur Gear 1×88	1		91	TQ12844	Panel Sheet	1	
10	TP05469	Hex. Socket Head Cap Screw 6×45	1		52	TQ06782	Packing Gear Box	1		92	TQ07306	Rocker Switch	1	
103	TB05121	Arbor Body Ass'y	1set		53	TB08778	Body Sub Ass'y	1set		93	TQ06787	Packing Body	1	
11	(TQ06755)	Arbor Body	1		54	(TQ12858)	Label Warning	1		94	TP02639	Hex. Nut Type 1 M4	2	
12	(TB01672)	Ball 5/16 Ass'y	1set		105	(LP13557)	Label Earth	1		95	TB05133	Switch Control Board Ass'y	1set	
13	(TP15998)	Spring 1.6×16.2×120	1		55	TQ04715	Internal Retaining Ring CRTW-12	2		96	TB09050	Control Board Ass'y	1set	
14	(TQ01895)	Pilot Spacer	1		56	TQ06776	Shaft	2		97	TP02618	Pan Head Screw 4×8	3	
15	(TP15848)	Spacer 10.5×19×5	1		57	TQ06779	Washer 12.2×28×1	1		98	TP02419	Pan Head Screw 6×10	4	
16	(TP13905)	Internal Retaining Ring ISTW-19	2		58	TQ06775	Spur Gear 1.5×26	1		99	TQ06795	Cable Connector 3217	2	
17	(TB01348)	Washer Ass'y	1set		59	TQ06774	Spur Gear 1.5×14×29	1		101	LP08489	Binding Head Screw 4×6	2	
18	(TQ01898)	Spring 0.8×12×31	1		60	TP08139	Hex. Nut Type 1 M2.3	2		102	TB05896	Cabtyre Cord Ass'y 220-240V	1set	
19	(TB01349)	Push Ring Ass'y	1set		61	TQ06771	Limit Switch ABS5634318	1			TB04482	Cabtyre Cord Ass'y 220-240V	1set	
20	(TQ01896)	Rotating Spring	1		62	TQ06772	Fixture For Limit Switch	1		104	TP04464	Toothed Lock Washer B M4	2	
21	(TQ01897)	Sleeve	1		63	TP07784	Pan Head Screw 2.3×15	2		106	TQ10165	Spacer 4.5×8×3	2	
22	(TP15239)	External Retaining Ring C-28	1		64	TQ00394	Seal Bushing	1		107	TQ07308	Terminal #250 42232-3	2	
23	TB05407	Bracket Ass'y	1set		65	TQ06781	External Retaining Ring ISTW-32	1		108	TQ07309	Sleeve 170891-1	2	
24	TQ03344	Hex. Socket Head Cap Screw 8×20 With Spring Washer	3		66	TQ06780	Washer 32.2×42×2	2		109	TQ11011	Hinged-Clamp Core	1	
25	TP08013	Hex. Socket Head Cap Screw 5×25	4		67	TP08598	Pan Head Screw 3×5	3		111	TP02638	Pan Head Screw 4×12	2	
26	TQ06753	Slide Board	1		68	TQ06762	Plate Automatic Feeder	1						
27	TP00112	Countersunk Head Screw 4×10	1		69	TQ06760	Gear Shaft	1						
28	TQ06754	Pointer	1		70	TQ06761	Handle Stem	1						
29	TP14178	Hex. Socket Head Cap Screw 6×10	2		71	TP12821	Spring Pin 5×26AW Double	3						
30	TQ02496	Rack	1		72	TQ00680	Rod Handle	3						
31	TP14174	Hex. Socket Head Cap Screw 10×25	1		73	CP01123	Ball 3/16	3						
32	TQ11062	Rubber Cap	1		74	TP06396	Spring	3						
33	TQ06784	Oil Tank	1		75	TP06397	Hex. Socket Set Screw With Cup Point 8×6	3						
34	TQ06786	Rubber Plug	1		76	TQ06759	Spring Pin 8×40AW	1						
35	TP04715	Hex. Socket Head Cap Screw 4×8	5		77	TQ12845	Plate Spec.	1						
36	TP12819	Pan Head Screw 4×6	7		78	TQ03345	Hex. Socket Head Cap Screw 8×25 With Spring Washer	4						
37	TQ06777	Cover Plate	1		79	TB05151	Square Pole Ass'y	1set						
38	TP06387	External Retaining Ring GV-16	2											
39	TP06374	Spring	1											

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

Accessories

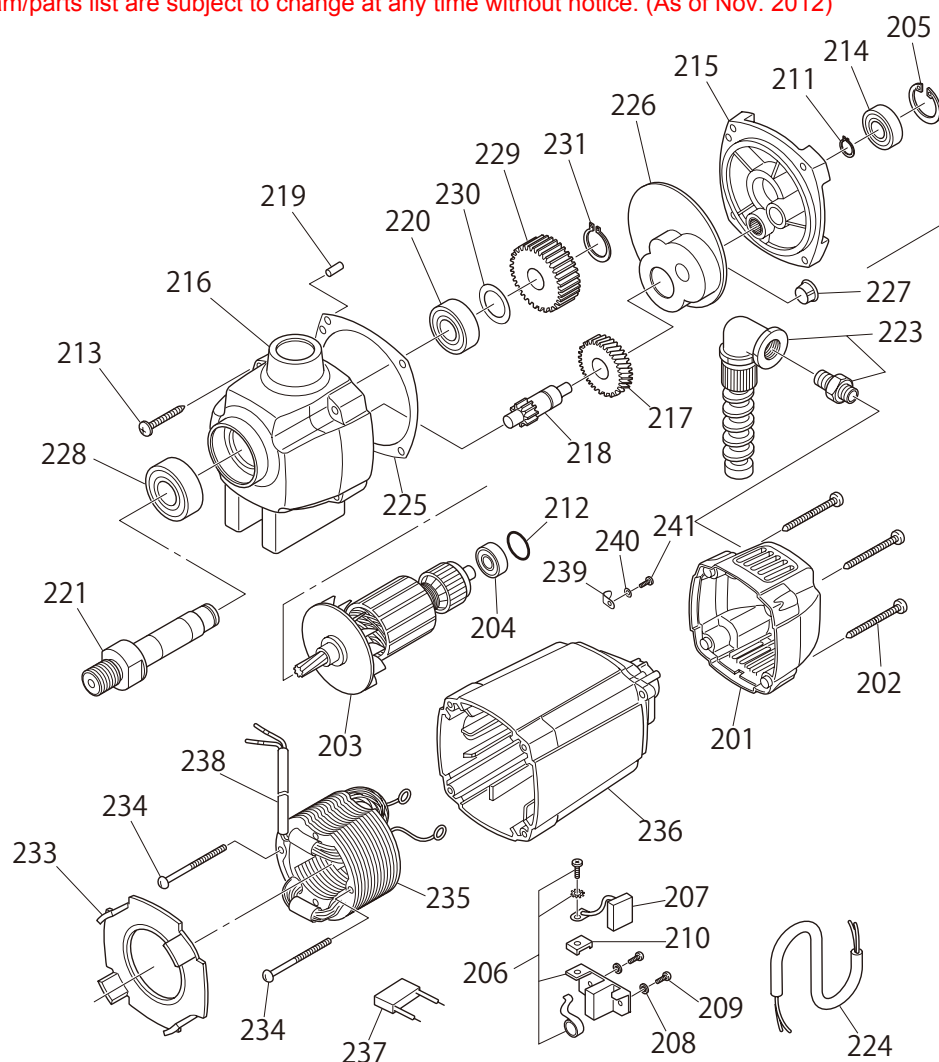
No.	Part No.	Part Name	Q'ty	Price
	TP04696	Hex. Socket Screw Key 3	1	
	TP17014	Spanner 8×10	1	
	TJ15859	Pilot Pin 08035	1	
	TA99027	Chain Ass'y	1set	
	TB02145	Cutting Oil 0.5 l Ass'y	1set	
	TB05418	Guard Ass'y	1set	
	TQ12846	Instruction Manual	1	

EXPLODED DIAGRAM: DRILL MOTOR

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No.	Part No.	Part Name	Q'ty	Price
201	TQ11172	Cap	1	
202	TQ06819	Self Tapping Screw HC4.8×38	4	
203	TB05195	Armature Ass'y	1set	
204	TP00468	Ball Bearing 608ZZ	1	
205	TP01036	Internal Retaining Ring C-28	1	
206	TB05193	Brush Holder Ass'y	2sets	
207	TB05187	Carbon Brush Ass'y	1set	
208	TQ06820	Spring Washer B4	2	
209	TQ06828	Screw ZM4×12	2	
210	TQ06838	Contact Washer	1	
211	TP04595	External Retaining Ring C-10	1	
212	TQ06839	O-Ring 22×2.5	1	
213	TQ12925	PT-Screw 5.0×50	4	
214	TP00498	Ball Bearing 6001ZZ	1	
215	TB05495	Bearing Bracket Ass'y	1set	
216	TB05496	Gear Case Ass'y	1set	
217	TQ06821	Intermediate Gear 34Z	1	
218	TQ06822	Pinion Shaft 10Z	1	
219	TQ06842	Notched Pin 4×12	1	
220	TQ06829	Ball Bearing 6003LLU	1	

No.	Part No.	Part Name	Q'ty	Price
221	TQ06823	Spindle	1	
223	TQ06824	Cord Protector	1	
224	TQ06843	Connecting Cable	1	
225	TQ06844	Gear Case Seal	1	
226	TQ06825	Grease Chamber	1	
227	TQ06845	Plug	1	
228	TQ06830	Ball Bearing 6203LLU	1	
229	TQ06826	Spindle Gear 43Z	1	
230	TQ06846	Fitting Washer 17×24×0.2	1	
231	TQ06847	External Retaining Ring C-17	1	
233	TQ06848	Air Guiding Ring	1	
234	TQ06849	Self Tapping Screw HC3.9×60	2	
235	TB05192	Stator Ass'y	1set	
236	TQ06850	Motor Housing	1	
237	TQ06851	Condenser	1	
238	TQ06852	Insulation Tubing	1	
239	TQ06853	Mounting Clip	1	
240	TQ06854	Disk 3.2	1	
241	TQ06855	Self Tapping Screw HC2.9×9.5	1	