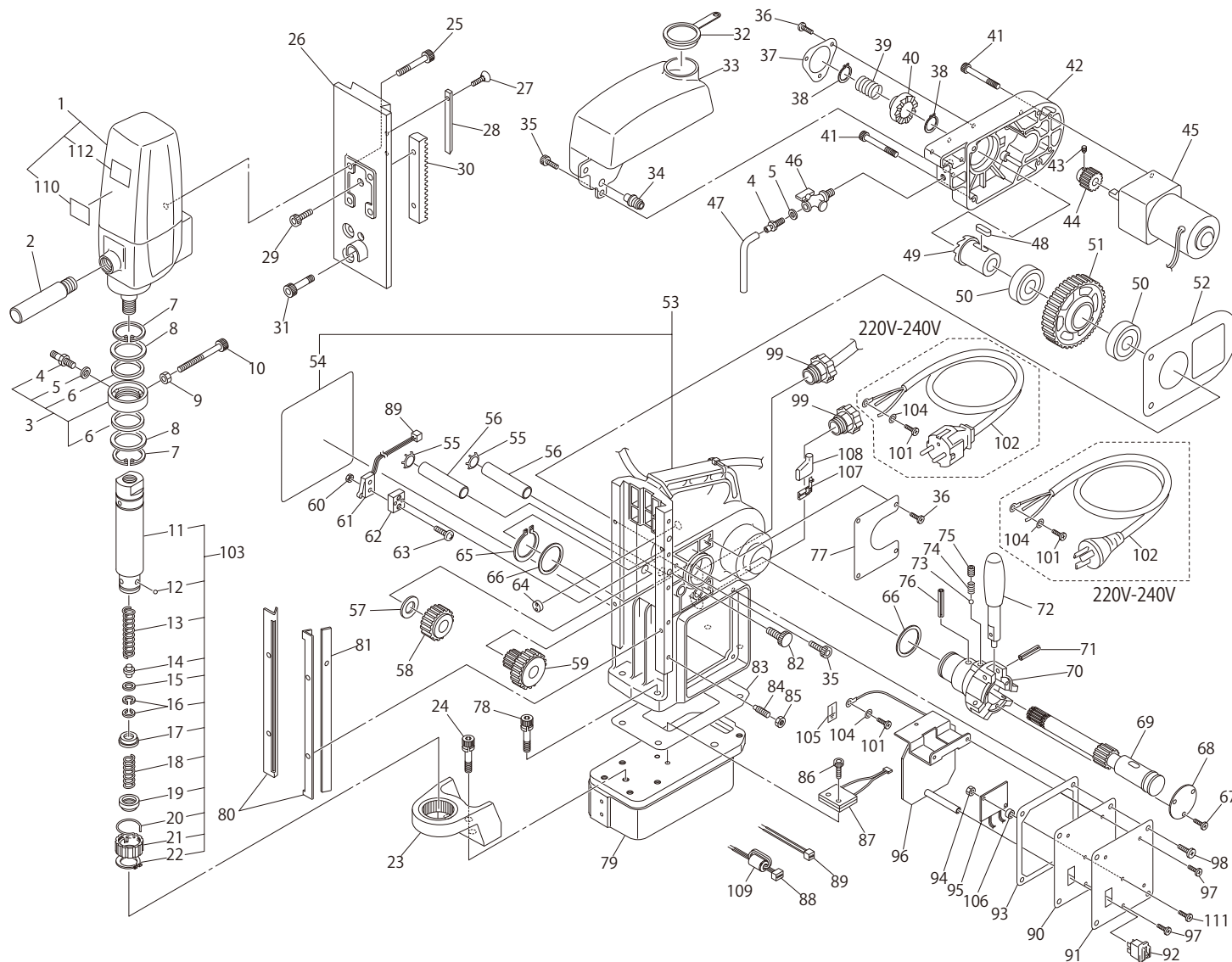


EXPLODED DIAGRAM: MACHINE

WARNING

This diagram is for reference only. Do not attempt to service or repair the Nitto Portable Magnetic Drilling Machine. Do not take the machine apart. Contact an authorized Nitto dealer for all service and repair of the machine. Improper service and repair can cause accidents and severe injuries. Never attempt to modify the machine. Never attempt to service or repair the machine yourself. **Exploded diagram/parts list are subject to change at any time without notice. (As of Nov. 2012)**



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
1	TB05148	Drill Motor Ass'y	1set	
110	(TQ11565)	Label Arbor Warning	1	
112	(TQ13281)	Label Shock Warning	1	
-	(TB05187)	Carbon Brush Ass'y	1set	
2	TB02534	Side Handle Ass'y	1set	
3	TB00496	Oil Ring Sub Ass'y	1set	
4	(TP14500)	Hose Nipple	2	
5	(CP21947)	Packing S-4.7×8×0.8	2	
6	(TP14499)	Oil Seal GD38×48×4	2	
7	TP14969	External Retaining Ring ISTW-38	2	
8	TP12773	Washer 38.5×54×1	2	
9	LP10496	Hex. Nut Type 1 M6	1	
10	TP05469	Hex. Socket Head Cap Screw 6×45	1	
103	TB05121	Arbor Body Ass'y	1set	
11	(TQ06755)	Arbor Body	1	
12	(TB01672)	Ball 5/16 Ass'y	1set	
13	(TP15998)	Spring 1.6×16.2×120	1	
14	(TQ01895)	Pilot Spacer	1	
15	(TP15848)	Spacer 10.5×19×5	1	
16	(TP13905)	Internal Retaining Ring ISTW-19	2	
17	(TB01348)	Washer Ass'y	1set	
18	(TQ01898)	Spring 0.8×12×31	1	
19	(TB01349)	Push Ring Ass'y	1set	
20	(TQ01896)	Rotating Spring	1	
21	(TQ01897)	Sleeve	1	
22	(TP15239)	External Retaining Ring C-28	1	
23	TB05407	Bracket Ass'y	1set	
24	TQ03344	Hex. Socket Head Cap Screw 8×20 With Spring Washer	3	
25	TP08013	Hex. Socket Head Cap Screw 5×25	4	
26	TQ06753	Slide Board	1	
27	TP00112	Countersunk Head Screw 4×10	1	
28	TQ06754	Pointer	1	
29	TP14178	Hex. Socket Head Cap Screw 6×10	2	
30	TQ02496	Rack	1	
31	TP14174	Hex. Socket Head Cap Screw 10×25	1	
32	TQ11062	Rubber Cap	1	
33	TQ06784	Oil Tank	1	
34	TQ06786	Rubber Plug	1	
35	TP04715	Hex. Socket Head Cap Screw 4×8	5	
36	TP12819	Pan Head Screw 4×6	7	
37	TQ06777	Cover Plate	1	
38	TP06387	External Retaining Ring GV-16	2	
39	TP06374	Spring	1	

No.	Part No.	Part Name	Q'ty	Price
40	TP12325	Clutch A	1	
41	TQ06770	Hex. Socket Head Cap Screw 4×35	8	
42	TQ06769	Gear Box	1	
43	CP26427	Hex. Socket Set Screw With Cup Point 8×20	1	
44	TQ06788	Spur Gear 1×23	1	
45	TQ06767	Geared Motor	1	
46	TP14495	P-Valve PT1/8	1	
47	TB01098	Tube 4×7×3000 Ass'y(200mm)	1set	
48	TQ06765	Parallel Key 8×7×20 Both ends round	1	
49	TQ06763	Clutch B	1	
50	TQ06766	Ball Bearing 6906ZZ	2	
51	TQ06764	Spur Gear 1×88	1	
52	TQ06782	Packing Gear Box	1	
53	TB08778	Body Sub Ass'y	1set	
54	(TQ12858)	Label Warning	1	
105	(LP13557)	Label Earth	1	
55	TQ04715	Internal Retaining Ring CRTW-12	2	
56	TQ06776	Shaft	2	
57	TQ06779	Washer 12.2×28×1	1	
58	TQ06775	Spur Gear 1.5×26	1	
59	TQ06774	Spur Gear 1.5×14×29	1	
60	TP08139	Hex. Nut Type 1 M2.3	2	
61	TQ06771	Limit Switch ABS5634318	1	
62	TQ06772	Fixture For Limit Switch	1	
63	TP07784	Pan Head Screw 2.3×15	2	
64	TQ00394	Seal Bushing	1	
65	TQ06781	External Retaining Ring ISTW-32	1	
66	TQ06780	Washer 32.2×42×2	2	
67	TP08598	Pan Head Screw 3×5	3	
68	TQ06762	Plate Automatic Feeder	1	
69	TQ06760	Gear Shaft	1	
70	TQ06761	Handle Stem	1	
71	TP12821	Spring Pin 5×26AW Double	3	
72	TQ00680	Rod Handle	3	
73	CP01123	Ball 3/16	3	
74	TP06396	Spring	3	
75	TP06397	Hex. Socket Set Screw With Cup Point 8×6	3	
76	TQ06759	Spring Pin 8×40AW	1	
77	TQ12845	Plate Spec.	1	
78	TQ03345	Hex. Socket Head Cap Screw 8×25 With Spring Washer	4	
79	TB05151	Square Pole Ass'y	1set	

No.	Part No.	Part Name	Q'ty	Price
80	TP12777	Slide Plate	2	
81	TQ06773	Gib	1	
82	TP02931	Set Screw	1	
83	TQ06794	Packing Pole	1	
84	TQ00730	Hex. Socket Set Screw With Dog Point 6×20	5	
85	TP07419	Hex. Nut Type 3 M6	5	
86	TP10600	Hex. Socket Head Cap Screw 4×18	2	
87	TB01363	Side Slip Detection Function Ass'y	1set	
88	TB00573	D Cord Ass'y	1set	
89	TB05154	F Cord Ass'y	1set	
90	TQ07304	Switch Plate	1	
91	TQ12844	Panel Sheet	1	
92	TQ07306	Rocker Switch	1	
93	TQ06787	Packing Body	1	
94	TP02639	Hex. Nut Type 1 M4	2	
95	TB05133	Switch Control Board Ass'y	1set	
96	TB09050	Control Board Ass'y	1set	
97	TP02618	Pan Head Screw 4×8	3	
98	TP02419	Pan Head Screw 6×10	4	
99	TQ06795	Cable Connector 3217	2	
101	LP08489	Binding Head Screw 4×6	2	
102	TB05896	Cabtyre Cord Ass'y 220-240V	1set	
	TB04482	Cabtyre Cord Ass'y 220-240V	1set	
104	TP04464	Toothed Lock Washer B M4	2	
106	TQ10165	Spacer 4.5×8×3	2	
107	TQ07308	Terminal #250 42232-3	2	
108	TQ07309	Sleeve 170891-1	2	
109	TQ11011	Hinged-Clamp Core	1	
111	TP02638	Pan Head Screw 4×12	2	

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

Accessories

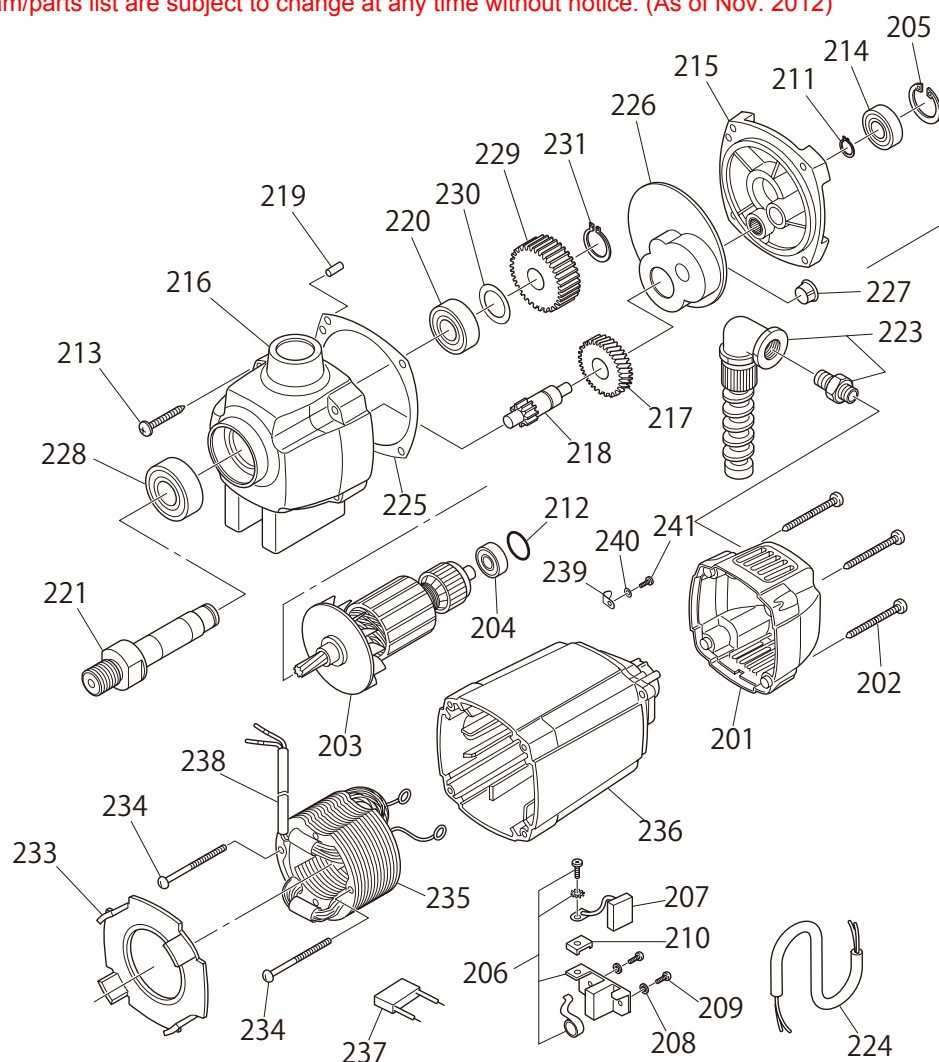
No.	Part No.	Part Name	Q'ty	Price
	TP04696	Hex. Socket Screw Key 3	1	
	TP17014	Spanner 8×10	1	
	TJ15859	Pilot Pin 08035	1	
	TA99027	Chain Ass'y	1set	
	TB02145	Cutting Oil 0.5 l Ass'y	1set	
	TB05418	Guard Ass'y	1set	
	TQ12846	Instruction Manual	1	

EXPLODED DIAGRAM: DRILL MOTOR

WARNING

This diagram is for reference only. Do not attempt to service or repair the Nitto Portable Magnetic Drilling Machine. Do not take the machine apart. Contact an authorized Nitto dealer for all service and repair of the machine. Improper service and repair can cause accidents and severe injuries. Never attempt to modify the machine. Never attempt to service or repair the machine yourself.

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
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	