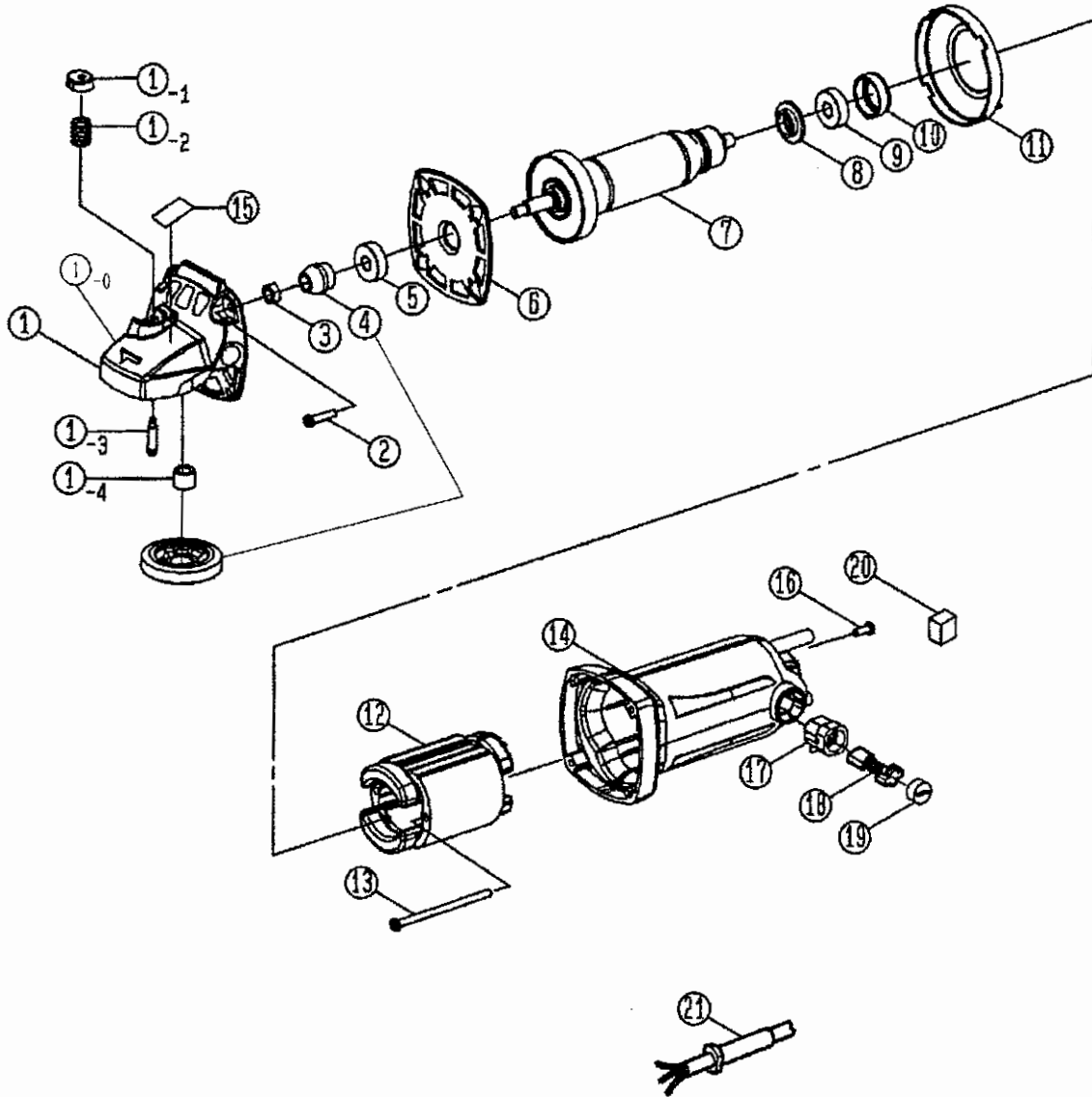


ATRA ACE LO-3550 MOTOR ASSEMBLY AND PARTS LIST

⚠ 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.

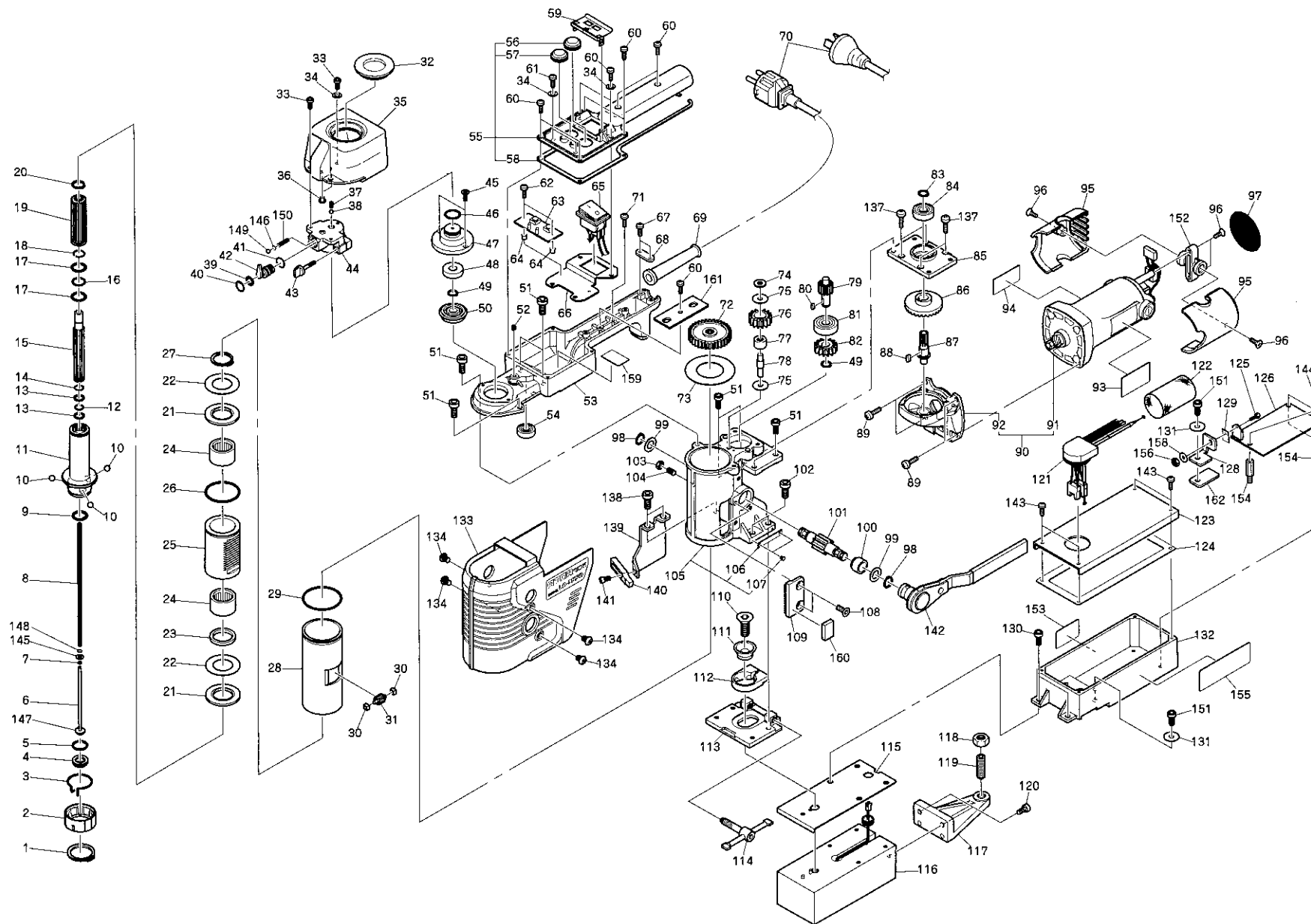


No.	Parts No.	Parts Name	Q'ty
1	TB09024	Gearhousing Ass'y	1set
1-0	(TQ13278)	Gearhousing	1
1-1	(TQ13257)	Lock Button	1
1-2	(TQ13258)	Lock Spring	1
1-3	(TQ13259)	Stopper Pin	1
1-4	(TQ13260)	Needle Bearing	1
2	TQ07488	Pan Head Tapping Screw B 4x18	4
3	TQ14498	Hex. Nut M6 SOB	1
4	TB07094	Bevel Pinion Gear Ass'y	1set
5	TQ13263	Ball Bearing 608LLB	1
6	TQ13264	Bearing Retainer	1
7	TQ13273	Armature 230V LO3550	1
8	TQ10540	Dustproof Cover	1

No.	Parts No.	Parts Name	Q'ty
9	TQ13263	Ball Bearing 608LLB	1
10	TQ10541	Bearing Gum	1
11	TQ13266	Fan Casing	1
12	TQ13274	Stator 230V LO3550	1
13	TQ10544	Pan Head Tapping Screw B 4x70	2
14	TQ13268	Motor Case	1
15	TQ13275	Voltage Display Label LO3550 230V	1
16	TQ07503	Pan Head Tapping Screw B 4x12	2
17	TQ13270	Brush Holder	2
18	TB08837	Carbon Brush	1set
19	TQ13107	Brush Cap	2
20	TQ13272	Connector Block	1
21	TQ10398	Code Armor	1

ORDERING PARTS

When ordering parts from sales agent, please be sure to give them part number, part name and quantity.



No.	Part No.	Part Name	Q'ty	Price
1	TP15239	External Retaining Ring C-28	1set	
2	TQ01897	Sleeve	1	
3	TQ10750	Rotaring Spring	1	
4	TB07023	Push Ring Ass'y	1set	
5	TQ10547	Y Packings NB 15x19x1.6	1	
6	TQ11527	Push Rod	1	
7	TQ10395	Oil Ring ss020	1	
8	TQ10735	Spring 0.6x4.1x220	1	
9	TQ05006	Internal Retaining Ring IRTW-19	1	
10	TB01672	Ball 5/16 Ass'y	1set	
11	TQ10728	Arbor	1	
12	TP12004	O-Ring P-10	2	
13	TP05873	Back Up Ring P-10 T2	2	
14	TQ10290	Stop Ring 0-0.8x10.5	1	
15	TQ10729	Spline Shaft	1	
16	TP12010	O-Ring P-14	1	
17	CP26543	Back Up Ring P-15 T2	2	
18	TQ10289	Stop Ring 0-0.8x16.3	1	
19	TQ10730	Double Spline Shaft	1	
20	TQ10368	External Retaining Ring C-13	1	
21	TQ10374	Thrust Bearing	2	
22	TQ10373	Thrust Washer AS1105	2	
23	TQ05259	Oil Seal G25x32x4	1	
24	TQ10375	Needle Bearing HK2520	2	
25	TQ10731	Quill	1	
26	TP03992	O-Ring S-40	1	
27	CQ02200	External Retaining Ring C-25	1	
28	TQ10739	Quill Guide	1	
29	TQ10376	O-Ring S-46	1	
30	TQ10801	Bush □ 6x4	2	
31	TQ10733	Spur Gear 1.0x8	1	
45	TP16219	Hex.Socket Countersunk Head Screw 4x10	2	
46	TP13275	O-Ring P-16	1	
47	TQ10761	Seal Holder	1	
48	TQ10769	Oil Seal AC0279A0	1	
49	TP04595	External Retaining Ring C-10	2	
50	TQ10370	Ball Bearing 6200LLUNR	1	
51	TP00126	Hex.Socket Head Cap Screw 5x16	8	
52	TP04195	Hex.Socket Set Screw With Flat Point 5x5	1	
53	TQ10727	Gearbox Cover	1	
54	TQ14491	Ball Bearing 608ZZ	1	
55	TB07262	Grip Sub Ass'y	1set	
56	(TQ12137)	Cap Red	1	
57	(TQ12138)	Cap Blue	1	
58	(TQ10790)	Packing Grip	1	
59	TB07060	Switch Cover Ass'y	1set	
60	TP02618	Pan Head Screw 4x8	9	
61	TP15164	Pan Head Screw 4x16	2	
62	TQ01184	Pan Head Screw 3x12	2	
63	TB07229	Switch Board Ass'y	1set	
64	TQ10432	Spacer EP-5	2	
65	TB08840	Rocker Switch Ass'y	1set	
66	TQ10748	Switch Stay	1	
67	TP09433	Pan Head Screw 4x10	2	
68	TP14459	Cord Stopper	1	
69	TQ10398	Code Armor	1	
70	TB08731	Cabtyre Cable Ass'y	1set	
	TB09030	Cabtyre Cable Ass'y (China)	1set	

No.	Part No.	Part Name	Q'ty	Price
71	LP08489	Binding Head Screw 4x6	1	
72	TQ10831	Spare Gear 1.5x29	1	
73	TQ10749	Washer 34x54x1.2	1	
74	TQ 10840	Spacer 6.6x14.5x2	1	
75	TQ10841	Washer 9.1x19x1	2	
76	TQ10832	Spur Gear 1.5x16	1	
77	TQ10839	Needle Bearing HMK0810	1	
78	TQ10834	Gear Shaft	1	
79	TQ10833	Gear Spindle	1	
80	TQ11036	Parallel Key 4x4x7 Both ends round	1	
81	TP03675	Ball Bearing 6200ZZ	1	
82	TQ10745	Spur Gear 1.0x25	1	
83	TP03791	External Retaining Ring G-10 IWATA	1	
84	TQ14490	Ball Bearing 6000ZZ	1	
85	TQ10740	Motor Flange	1	
86	TQ10397	Bevel Gear 38	1	
87	TQ10744	Gear Spindle 7	1	
88	TQ14604	Parallel Key 4x4x9.5 Both ends round	1	
89	TQ13012	Pan Head Taptite Screw B 4x18	4	
90	TB08682	Motor Sub Ass'y	1set	
91	(TB08724)	Motor Sub Ass'y A	1set	
92	(TQ13040)	Gear housing	1	
93	TQ12799	Label Warning	1	
94	TQ12800	Label Nitto	1	
95	TQ12809	Motor Cover	2	
96	TP14488	Pan Head Tapping Screw 4x20	4	
97	TQ10387	Dustproof filter φ54	1	
98	TP06390	External Retaining Ring C-11	2	
99	TQ10737	Washer 11.2x21x1	2	
100	TQ10743	Sleeve	1	
101	TQ10742	Pinion Shaft	1	
102	TP01644	Hex.Socket Head Cap Screw 6x12	4	
103	TP07419	Hex.Nut M6 SOB	1	
104	TQ10772	Hex.Socket Set Screw with Dog Point 6x12	1	
105	TB07260	Body Sub Ass'y	1set	
106	(TQ10804)	Serial Number Plate	1	
107	(TP05136)	Drive Rivet NO.2x4.8	2	
108	TQ10773	Hex.Socket Countersunk Head Screw 6x10	2	
109	TQ10736	Rack	1	
110	TP14176	Hex.Socket Countersunk Head Screw 10x25	1	
111	TQ10347	Radial Shaft	1	
112	TQ10348	Lock Plate	1	
113	TB07047	Pole Plate Ass'y	1set	
114	TB07068	Lock Screw Ass'y	1set	
115	TQ10799	Pole Seat	1	
116	TB08727	Square Pole with Pin Ass'y	1set	
117	TQ10751	Stabilizer	1	
118	TP10771	Hex.Nut M10 SOB	1	
119	TQ13013	Stabilizer Bolt	1	
120	TP00126	Hex.Socket Head Cap Screw 5x16	2	
121	TB08744	Harness Ass'y	1set	
122	TQ13323	Net tube 0.15m	1	
123	TQ12802	Electrical Equipment Plate	1	
124	TQ12804	Packing Electrical Equipment Box	1	
125	TQ13016	Hex.Socket Head Cap Screw 3x10	1	

No.	Part No.	Part Name	Q'ty	Price
126	TB08726	Spare Control Board Ass'y	1set	
128	TQ13001	Heat Radiation Plate	1	
129	TQ10553	Heat Radiation Seat CW-4	1	
130	TP00021	Hex.Socket Head Cap Screw 5x10	2	
131	TQ10388	Seal Washer M5	2	
132	TQ12801	Electrical Equipment Box	1	
133	TQ10757	Cover	1	
134	TQ10846	Hex.Socket Head Cap Screw 6x8	4	
137	TQ10836	Pan Head Tapping Screw M4x12	4	
138	TQ10851	Hex.Socket Head Cap Screw 6x15	2	
139	TQ10850	Blade Stay	1	
143	TP02618	Pan Head Screw S M4x8	4	
144	TQ03193	Pan Head Screw S M4x6	3	
145	TQ11525	Washer 2.8x5.5x0.5	1	
147	TQ10292	Flange	1	
148	(TQ11526)	Stop Ring O-2.4x0.4	1	
151	TP00126	Hex.Socket Head Cap Screw 5x16	2	
152	TQ12807	Spacer	1	
153	TQ11565	Label Arbor Warning	1	
154	TQ13014	Spacer 4SQ-7	3	
155	TQ14493	Label Type	1	
156	TP00242	Hex. Nut M3	1	
158	LP13569	Washer M3	1	
159	TQ12975	Insulation Sheet	1	
160	TQ10847	Packing Rock	1	
161	TQ13408	Plate	1	
162	TQ13919	Heat Radiation Sheet	1	

ACCESSORIES

No.	Part No.	Part Name	Q'ty	Price
140	TQ10787	Blade	1	
141	TP01945	Hex. Socket Head Cap Screw 5x12	1	
	TB02145	Soluble Cutting Oil 0.5 ℓ Ass'y	1set	
	TB05998	Handle Ass'y	1set	
	TB07246	Sub Handle Ass'y	1set	
	TJ15859	Pilot Pin 08035	1	
	TP00474	Spanner 17	1	
	TP01939	Hex. Socket Screw Key 4	1	
	TP14091	Spanner 7x8	1	
	TQ10075	Safety Strap	1	
	TQ10489	Hex. Socket Set Screw with Dog Point 8x28	1	
	TQ12808	Instruction Manual	1	
32	(TQ06785)	Rubber Cap	1	
33	(CP24618)	Hex.Socket Head Cap Screw 4x8	3	
34	(TQ00258)	Seal Washer M4	5	
35	(TQ10759)	Oil Tank	1	
36	(TQ10782)	Packing Oil Tank	2	
37	(TQ10856)	Spring 0.3x3.7x6.9	1	
38	(TQ10838)	Rubber Ball φ4	1	
39	(TQ13015)	Washer 8.5x12x1.2	1	
40	(TQ12923)	Internal Retaining Ring RTW-13	1	
41	(TP11997)	O-Ring KS-7	1	
42	(TQ12920)	Adjustment Valve	1	
43	(TQ10784)	Lock Screw	1	
44	(TQ12919)	Oil Tank Holder	1	
146	(TQ12922)	O-Ring SS-3	1	
149	(CP00922)	Ball 5/32	1	
150	(TQ13022)	Spring 0.2x1.8x7	1	
	TQ14333	Guard	1	

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