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Trajan 20

Cut Off Saw



Parts and Service Manual

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713-884-1101

Trajan 20 Parts List

CODE_NO	PART_NO	DESCRIPTION	SPECIFICATION	QTY
1A	133062A	Swivel Arm		1
2	133063	Swing Spindle		1
3	HB501	Oil Nozzle	PT1/8	1
4	133064	Pad		1
5	133065	Rear Sight Base		1
6A	133066A	Degree-Meter		1
7	HH001	Rivet	Ø2	2
8	S483	Hex. Socket Head Screw	1/4"X1-1/4"L	2
9	S608	Hex.Socket Headless Screw	5/16"X3/4"L	1
10	S414	Hex. Socket Head Screw	5/16"X1"L	1
11	133067	Chunk		1
12	S084	Hex. Head Screw	1/2"X3-1/2"L	1
13	133068	Press Board		1
14	W002	Washer	1/2"X27.5Xt2.2	4
15	W201	Spring Washer	1/2"	1
16	HB811	Net	1/2"	1
17	133069	Cam		1
18A	133070	Knob W/Shaft		1
20	133072	Plastic Round Knob		1
21	S076	Hex. Head Screw	1/2"X3-3/4"L	1
22	133073	Shaft		1
23	HCS22	C-Retaniner Ring	S38	2
24	133074	Washer		2
25	S481	Hex. Socket Head Screw	1/2"X1-1/2"L(20NUF)	2
26	N001	Hex. Nut	1/2"	1
27	S485	Hex. Socket Head Screw	1/2"X2-1/2L"	1

29	W046	Washer	1/2"X27.5Xt2.5	1
30	HB811	Hex. Nut	1/2"	1
31	133060S	Cylinder Assembly		1
32	133051	Spring Support		1
33	133052	Spring		1
34	133175	Cardan Shaft	1/2"X1-1/2(20NUF)	2
35	N002	Hex. Nut	1/2"	2
36	133053	Washer		1
37	W002	Washer	Ø1/2XØ27Xt2	1
38	W201	Spring Washer	Ø1/2	1
39	S002	Hex. Head Screw	1/2"X1-1/2L(20NUF)	1
40	HP042	Pin	Ø6X1-3/4"L	1
41	133056	Bushing		1
42	S016	Hex. Head Screw	3/8"X3/4"L	1
43	HD107	Plug	Ø25	1
44	S484	Hex. Socket Head Screw	1/2"X2"L	1
50	HD505	Hex. Socket Flat Head Scvev	3/4"X1-1/2"L	2
51	133087	Lifting Vise		1
52	133085	Fixed Board		1
53	133084	Spring		1
54	133086	Vise Giude Chunk		2
55	W013	Washer	3/8"XØ20"Xt2	4
56	S410	Hex. Socket Head Screw	3/8"X1-1/2"L	4
57	133080	Fixed Ring		1
58	133079	Bushing		2
59	S636	Hex.Socket Headless Screw	5/16"X1-3/4"L	1
60	133078	Location Shaft		1
61	S610	Hex.Socket Headless Screw	5/16"X5/16"L	2

62	133076	Knob W/Shaft		2
63	133037	Plastic Round Knob		2
64	133075	Camshaft		1
65	S635	Hex.Socket Headless Screw	5/16"X1-1/4"L	1
66	N007	Hex. Nut	5/16"	3
67	133055	Self-moist Bearing		2
68	133081	Vise Arbor		1
69	133184	Hex. Nut	1-1/4"	1
70	S609	Hex.Socket Headless Screw	5/16"X3/8"L	1
72	S420	Hex. Socket Head Screw	5/16"X5/8"	2
75A	133021A	Column		1
76	S479	Hex. Socket Head Screw	3/8"X3/4"L	5
77	HP039	Pin	Ø6X25L	1
78	133022	Left Pivot Bracket		1
79	133023	Fixed Handle		2
80	133024	Tight Chunk		2
81	133025	Plate		1
82	HT009	Cross Round Head Screw	3/16"X3/8"L	2
83	133026	Fixed Handle		2
84	133120	Tray Type Spring	φ9.7Xφ19Xt1	6
85	133027	Location Screw		2
86	N006	Hex. Nut	3/8"-24UNF	2
87	133028	Steel Guide Base		2
88	133105	Plastic Round Knob		2
89	133030	Carbide Guide		2
90	HD506	Hex. Socket Flat Head Scvev	5/16"X1/2"L	2
91	133031	Right Pivot Bracket		1
92	W038	Washer	1/4"X3/4"X1.5t	1

93	S402	Hex. Socket Head Screw	1/4"X1/2"L	1
94	133090	Idler Wheel Cover		1
95	133089	Wheel Cover		1
96A	133088A	Body Frame		1
97	133091A	Control Box		1
98	133092	Switch Cover		1
99	133014	Drive Wheel		1
100	133015	Interval Ring		1
101	133016	Block Cover		1
102	W206	Spring Washer	5/8"	1
104	133098	Flow Control Valve		1
103	S077	Hex. Head Screw	5/8"X1-1/2"L	1
105	HP043	Pin	Ø3X35L	4
106	HP046	Pin	Ø4X35L	2
109	133104	Blade Guard		1
110	133179	Hose	Ø8X4800MM	1
111	133045	Brush Shaft		1
112	133046	Bearing Shaft		1
113	133047	Drive Wheel		1
114	133048	Brush		1
115	W002	Washer	1/2"X27Xt2.5	2
116	N001	Hex. Nut	1/2"	1
117	S602	Hex.Socket Headless Screw	1/4"X1/4"L	1
118	133049	Spring		2
119	W013	Washer	3/8"X20.5Xt1.8	4
120	S486	Hex. Socket Head Screw	3/8"X4-5/16"L	2
121	S633	Hex.Socket Headless Screw	3/8"X3-1/2L	1
122	N005	Hex. Nut	3/8"	1

123	133050	Brush Shaft Base		1
124	HK103	Key	10x14x2-1/2	1
128	133137	Scale		1
129	S626	Hex.Socket Headless Screw	3/8"X3/8"L	1
130	133035	Blade Tension Bar		1
131	133121	Tray Type Spring	26X50.6X2.5	6
132	133033	Sleeve		1
133	133034	Limit Board		1
134	CA4462	Bearing	4462-00	1
135	133036	Knob W/Shaft		1
136	133037	Round Knob		2
137	133038	Press Board		2
138	S409	Hex. Socket Head Screw	3/8"X1"L	8
139	W204	Spring Washer	3/8"	8
140	133039	Sliding Plate Draw Block		1
141	133040	Shaft		1
142	S078	Hex. Head Screw	3/8"X2"24UNF	3
143	S626	Hex.Socket Headless Screw	3/8"X3/8"L-24UNF	4
144	W204	Spring Washer	3/8"	3
145	133041	Anchor Block		1
146	133042	Idler Wheel		1
147	CA63072RS	Ball Bearing	63072RS	2
148	133043	Interval Ring		1
149	HCR12	C-Retaniner Ring	R80	1
150	133044	Washer		1
151	W201	Spring Washer	1/2"	1
152	S002	Hex. Head Screw	1/2"X1-1/2"L	1
159	W205	Spring Washer	5/16"	4

160	133010	Motor Plate		1
161	M623TC	Motor	2HP / 220/440V	1
162	S022	Hex. Head Screw	5/16"X3/4"L	4
163	W040	Washer	5/16"XØ18Xt2	2
164	133017	Packing		2
165A	N012	Nut	5/16"	2
166	S079	Hex. Head Screw	5/16"X2"L	2
167	133171	Warning mark		2
168	HD610	Binder	Ø8	1
169	S706	Cross Round Head Screw	3/16"X1/2"L	1
171	133018	Motor Pulley		1
172	HK101	Key	3/16"X3/16X30	1
173	133012	Belt	4L-320	1
174	133013	Spindle Pulley		1
175	133001S	Gear Box Set		1
177	HK100	Key	3/16"X3/16"X50L	1
178	W204	Spring Washer	3/8"	2
179	S010	Hex. Head Screw	3/8"X1"L	2
180	133011	Motor Pulley Cover		1
181A	133100	Blade	4-6TX4220mmX27mmX0.91	1
182	S013	Hex. Head Screw	3/8"X1-1/4"L	2
183	133120	Tray Type Spring	3/8"X3/4X1高1.55	8
184	N005	Hex. Nut	3/8"	2
185	W041	Washer	3/8"XØ21Xt2	1
186	HB501	Oil Nozzle	90°	1
188	HP039	Pin	Ø6X2"	4
189	S732	Cross Round Head Screw	3/16"X3/4"L	12
190	WO45	Plastics Washer	3/16"	12

191	S601	Hex.Socket Headless Screw	1/4"X1/2"L	2
192	S081	Hex. Head Screw	3/8"X.3"L	1
193	N005	Hex. Nut	3/8"	2
194	W042	Washer	3/8"XØ25Xt2	2
195A	133061N	Stand Complete Assembly		1
196	133113	Pad Board		1
197	HD506	Hex. Socket Flat Head Scvev	5/16"X1/2"L	8
198	133111	Roller		3
199	133110	Roller Arbor		3
200A	133115B	Bracket		1
201	S638	Hex.Socket Headless Screw	3/8"X2-1/4"L 20UNF	4
205	HP045	Pin	Ø10X1"	4
206A	133112A	Roller Cover		1
207	W038	Washer	Ø1/4"X3/4"Xt1.5	4
208	S006	Hex. Head Screw	1/4"X1/2"L	4
209	133124	Guide Holder		1
210	W041	Washer	3/8"XØ21Xt2	3
211	S016	Hex. Head Screw	3/8"X3/4L	3
212	S639	Hex.Socket Headless Screw	1/4"X1/4"-28UNF	2
213	133106	Guide Shaft		1
214	W206	Spring Washer	5/8"	1
215	S014	Hex. Head Screw	5/8"X1-3/4"L	1
216	133117	Scale Index		1
217	WO44	Washer	3/16"XØ11Xt1	2
218	S407	Hex. Socket Head Screw	3/16"X3/8"L	2
219	S082	Hex. Head Screw	1/2"X1-3/4"L	2
220	N001	Hex. Nut	1/2"	2
221	MB110W	Cooling Pump		1

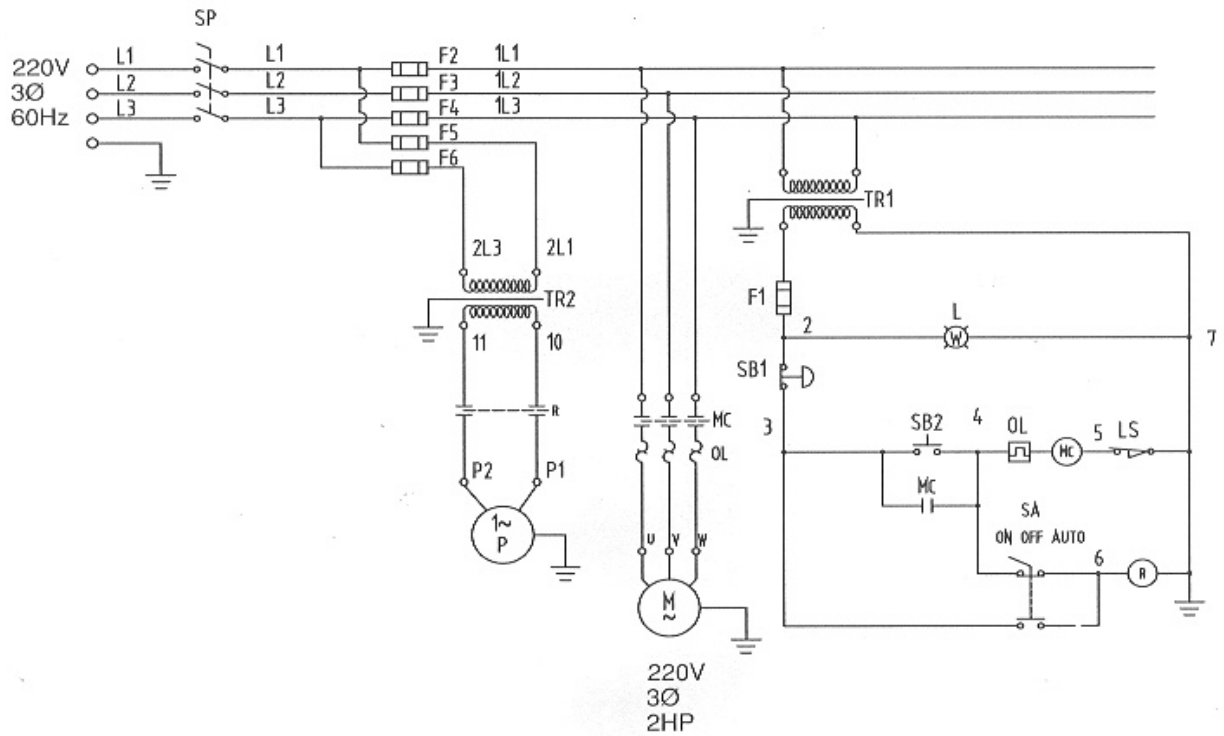
222	1031285-8	Spray		1
223A	133178	Hose	Ø10X26000MM	1
224	133125	Coolant Tank		1
225	133126	Filter		1
226	133107	Block Board		1
227A	S027	Hex. Head Screw	1/2"X1"L	2
228	WO35	Washer	1/2XØ25X1.8t	2
229	133108	Coupler		1
230	181857A	Nozzle	PT1/4"X12"	1
236	133037	Plastic Round Knob		1
237	133118	Speed plate		1
237	133118A	Speed plate		1
237	133118B	Speed plate		1
237	133118C	Speed plate		1
238	S002	Hex. Head Screw	1/2"X1-1/2"L	1
239	N001	Hex. Nut	1/2"	3
240	133109	Bearing Base		6
242	133093D	Control Plate		1
243	133127	Plastic Round Knob		2
244A	HD109	Plug	Ø45	1
245	S416	Hex. Socket Head Screw	5/16"X1-1/4"L	1
246A	N012	Washer	5/16"	1
247	S086	Hex. Head Screw	1/2"X2-3/16"L	1
248	133130	Hex. Nut		1
249	133131	Tray Type Spring	Ø28XØ14.2X0.8t	2
250	133054	Screw		4
251	S068	Hex. Head Screw	3/8"X2-1/2	4
252	W008	Washer	3/8"	4

253	133134	Electril Lower board		1
254	S708	Cross Round Head Screw	3/16"X3/8"L	4
255	133133	Plug		4
256	N005	Hex. Nut	3/8"	1
257	N001	Hex. Nut	1/2"	4
258	W043	Washer	Ø1/2XØ35Xt3	4
259	133116	Harrow		1
260	133176	Hose	600X10mm	1
261	133177	Hose	600X8mm	1
264	S420	Hex. Socket Head Screw	5/16"X5/8"L	2
265	103003	Hanger Plate		1
266	W205	Spring Washer	5/16"	2
267	N007	Hex. Nut	5/16"	2
268	133150	Hanger Plate		1
269	W204	Spring Washer	3/8"	2
270	S016	Hex. Head Screw	3/8X3/4"L	2
271	133141	Bracket		4
272	S640	Hex.Socket Headless Screw	3/8"X1"L	4
273	133154	4 way valve		1
275	133183	Pin		1
276	133146	Shaft		2
277	133148	Spring		2
278	133147	Shaft		2
279	133145	Plate		2
280A	S706	Cross Round Head Screw	3/16"X1/2"L	4
281	133143	Support Lump(Right)		1
282	W007	Washer	3/16"x12xt0.8mm	2
283	S902	Hex. Socket Head Screw	3/16"X3/8"L	2

284	133144	Support Lump(Left)		1
285	S735	Cross Round Head Screw	1/8"X5/16"L	2
286	133136	Scale		1
287	133135	Scale Base		1
288	W047	Washer	1/4"x5/8"x1.5t	2
289A	S423	Cross Round Head Screw	1/4"X5/8"L	2
290	S737	Cross Round Head Screw	3/16"X3/16"L	8
291	103213	Bracket		2
292	133181	Ring		2
293A	133142A	Blade Cover		2
294	W047	Washer	1/4"x5/8"x1.5t	4
295	S901	Round Head Screw	1/4"X3/8L	4
296	N003	Hex. Nut	1/4"	8
297	S632	Hex.Socket Headless Screw	1/4"X5/8"L	8
298	S402	Hex. Socket Head Screw	1/4"X1/2"L	2
299	W202	Spring Washer	1/4"	2
300	133153	Fixed Block		1
301	HD613	Hose Clamp	2"	1
302	133152	Fixed Block		1
303	W202	Spring Washer	1/4"	2
304	S402	Hex. Socket Head Screw	1/4"X1/2"L	2
305	HD613	Hose Clamp	2"	1
306	133180	Cover		1
307	133029	Carbide Guide	Carbide Guide Base	2
309	133167	Bracket		1
310	133163	Ring		2
311	S734	Cross Round Head Screw	3/16"X5/16"L	2
312	133172	Chip Tray		1

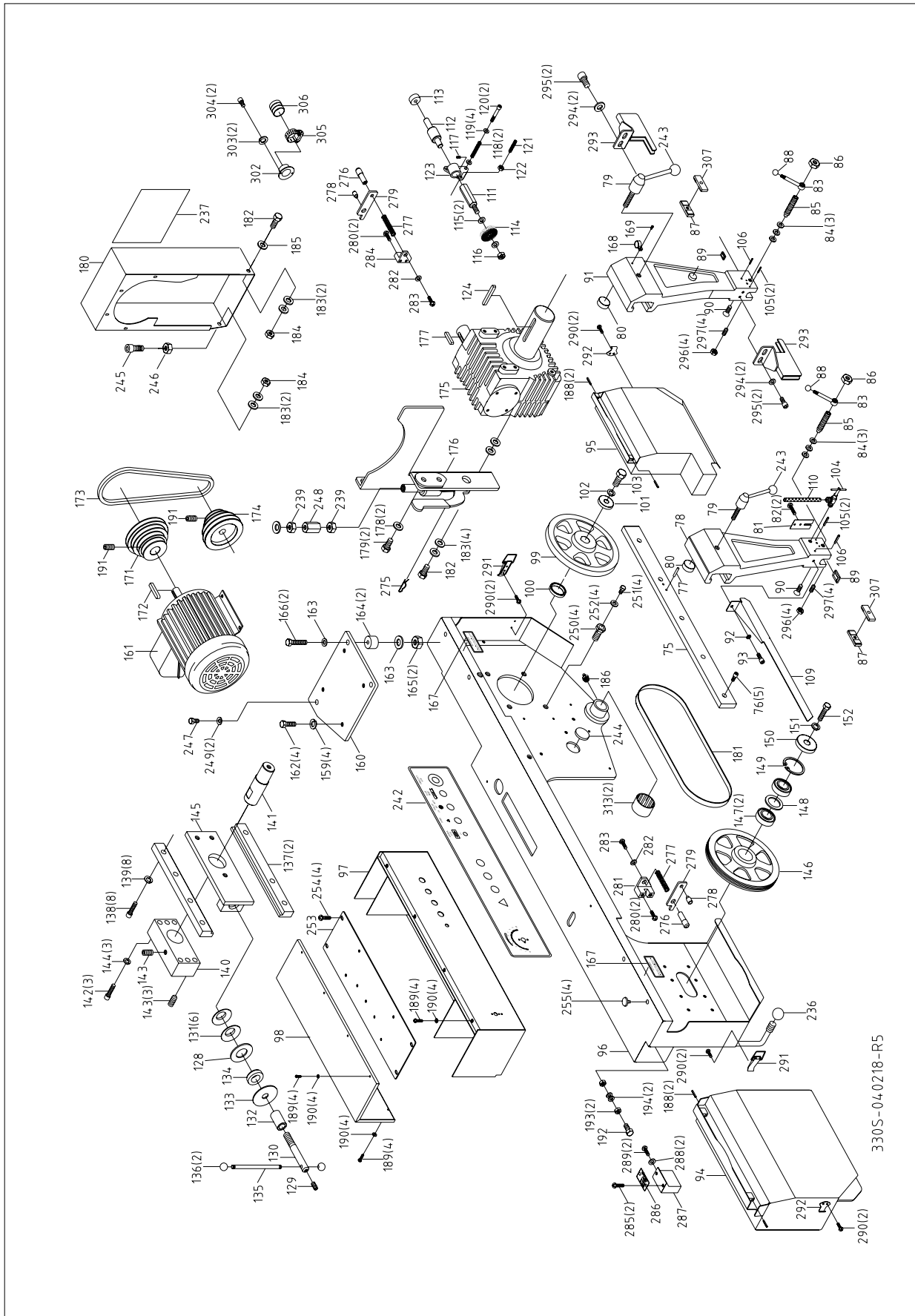
313	CA3830NK	NK38/30	2
314	Electrical Contral Box		1

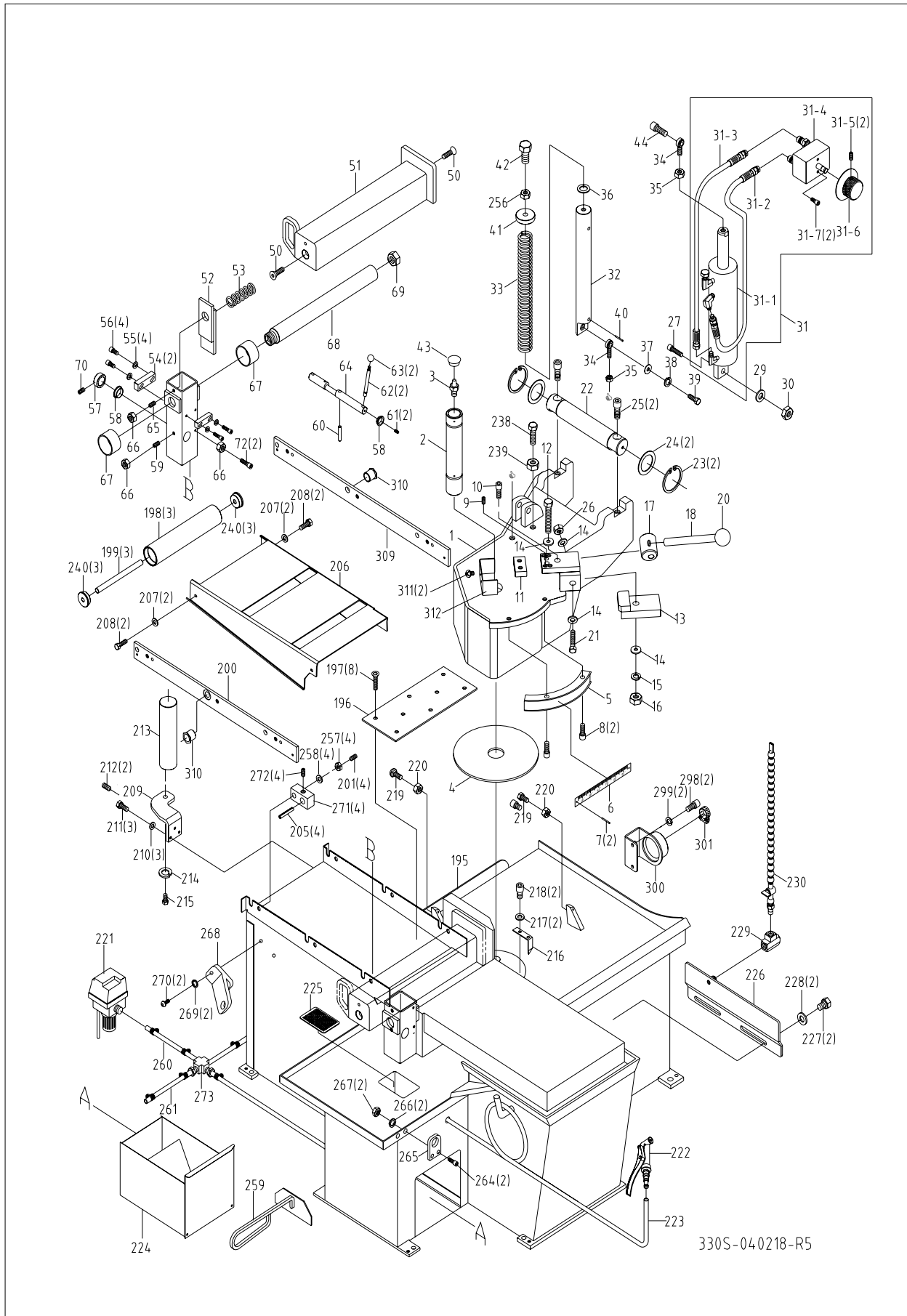
12. Circuit Diagram



330S	SCHEDULE OF ELECTRICAL EQUIPMENT			
Parts number	Item.	Designation and function	Technical data	QTY
ET1312	TR1	Trans former	CE 20VA 220V	1
ET1310	TR2	Trans former	100VA	1
ET1813	F1	Fuse FS-520	2A	1
ET1818	F2~F6	Fuse Df6-AB10X3	Df6-AB10	3
ET1110	MC	LCIK091DB7 24V	LC1K0910B7	1
ET1415	L	Light:XB7-EV61	TEXB7-EV61	1
ET1239	SB1	Emergency Stop	TEXB5-AS542	1
ET1231	SB2	Start Switch	TEXB7-EA31	1
ET1236	SA	Choice Switch	TEXB7-ED33	1
ET1622	LS	Limit Switch	AZD-1000	1
ET2009	OL	Overload Relay	LR7K	1
ET1127	R	Relay;RT424524	RT424524	1
M623TC	M	Main Motor	220V/60HZ/3Ø	1
MB110W	P	Pump		1
ET1723	SP	Power Switch		1

13 Parts Lists





330S-040218-R5

