



ELECTRIC DIAGRAM

QUICK TURN PRIMOS 50 S (MAZAK FZ)

QUICK TURN PRIMOS 100 S (MAZAK FZ)

QUICK TURN PRIMOS 150 S (MAZAK FZ)

MANUAL NO.

DDB30080S07E

MANUAL NO.

ELEMENTARY DIAGRAM LIST

SET No. : DDB30080018

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No.	DRAWING NUMBER	TITLE	
26	B30080400014	[WITHOUT TRANS] LINE POWER SUPPLY [200V] (JPN/ASIA)	*6, *7, *8, *10
27	B30080400020	LINE POWER SUPPLY [YMC/OTH/ASIA]	*10
28	B30080400031	LINE POWER SUPPLY [YME]	*10, *12
29	B30080400067	AC 200V CIRCUIT	*3, *9, *10, *11, *12, *14
30	B30080400070	DC24V CONTROL CIRCUIT	
31	B30080400082	CONTROL BOX & AMP COOLING FAN	*6, *8
32	B30080400092	WORK LIGHT	*3, *6
33	B30080400125	POWER SUPPLY UNIT	*3, *6, *7, *14
34	B30080400155	MAIN SPINDLE DRIVE (1/2) (B30)	*3, *6, *7, *11
35	B30080400164	MAIN SPINDLE DRIVE (1/2) (B32)	*3, *6, *7, *11
36	B30080400172	MAIN SPINDLE DRIVE (2/2)	*3, *6
37	B30080400183	MAIN SP FEED BACK	*3 *11
38	B30080400211	X-AXIS SERVO MOTOR & PULSE CODER	*8
39	B30080400220	Z-AXIS SERVO MOTOR & PULSE CODER	
40	B30080400262	TURRET SERVO MOTOR & PULSE CODER	*3
41	B30080400301	REMOTE I/O MODULE POWER SUPPLY(1)	*3
42	B30080400314	REMOTE I/O MODULE POWER SUPPLY(2)	*6, *8, *12, *15
43	B30080400320	REMOTE I/O LINK DIAGRAM (1)	
44	B30080400335	REMOTE I/O LINK DIAGRAM (2)	*3, *6, *12, *14, *15
45	B30080400340	REMOTE I/O LINK DIAGRAM (3)	
46	B30080400350	OPERATION PANEL PLS GENERATOR	
47	B30080400372	LUBE PUMP MOTOR & SENSOR	*1, *6
48	B30080400383	AIR KIT PANEL (OP.)	*3, *8, *10, *12
49	B30080400390	AIR KIT PANEL (OP.) QL	*14
50	B30080400400	TAIL SLEEVE	*10
51	B30080400412	HYDRAULIC PUMP MOTOR	*6, *17
52	B30080400423	SPINDLE COOLING FAN (AIR COOLING)	*1, *8, *11
53	B30080400491	COOLANT CHILLER UNIT (OP.)	*12, *13
54	B30080400462	COOLANT PUMP MOTOR	*3, *6
55	B30080400474	CHIP CONVEYOR (OP.)	*5, *6, *8, *10
56	B30080400480	CHIP CONVEYOR (MT10) (OP.)	*12
57	B30080400511	TOOL EYE (MANUAL) (OP.)	*3, *8
58	B30080400522	TOOL EYE (AUTO) (1) (OP.)	*3, *6, *8
59	B30080400531	TOOL EYE (AUTO) (2) (OP.)	*3, *6
60	B30080400551	THERMOMETER ANALOG INPUT	*3, *6

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No.	DRAWING NUMBER	TITLE	
61	B30080400563	EMERGENCY STOP CIRCUIT(1)	*10, *12
62	B30080400572	EMERGENCY STOP CIRCUIT(2)	*6, *8
63	B30080400582	EMERGENCY STOP CIRCUIT(3)	*6
64	B30080400613	DOOR INTERLOCK CIRCUIT(1)	*6, *9, *10
65	B30080400643	ALARM CIRCUIT	*1, *10
66	B30080400660	MAIN SPINDLE CHUCK	
67	B30080400670	Mazak IHC NEKUST ESI	
68	B30080400683	OPERATING BOX (NC CONTROL)	*3, *12, *14
69	B30080400690	OPERATING BOX INPUT (1)	
70	B30080400701	OPERATING BOX INPUT (2)	*14
71	B30080400710	OPERATING BOX INPUT (3)	
72	B30080400721	OPERATING BOX INPUT (4)	*10
73	B30080400732	OPERATING BOX INPUT (5)	*12, *14
74	B30080400740	OPERATING BOX INPUT (6)	
75	B30080400751	OPERATING BOX OUTPUT (1)	*10
76	B30080400760	OPERATING BOX OUTPUT (2)	
77	B30080400770	OPERATING BOX OUTPUT (3)	
78	B30080400781	NETWORK I/F	*13
79	B30080400790	RS-232C I/F	
80	B30080400801	MAIN BREAKER SHUNT TRIP (GL/QL)	*14, *15
81	B30080400814	MAIN BREAKER SHUNT TRIP	*10, *12, *14, *15
82	B30080400821	ADDITIONAL M-CODE(OP.)	*8 *11
83	B30080400833	INDICATOR LIGHT (OP.)	*3, *6 *11, *15
84	B30080400840	AUTO POWER ON/OFF & WARM UP (OP)	*12
85	B30080400851	PARTS CATCHER(OP.)	*8, *15
86	B30080400861	WORK CONVEYER FOR PARTS CATCHER	*12, *13
87	B30080400872	MIST COLLECTOR (OP.)	*8, *10, *15
88	B30080400880	WORK COUNTER (OP.)	*12
89	B30080400892	AUTO TOP DOOR (OP.)	*12, *13, *14
90	B30080400900	AUTO DOOR (B/S TYPE) (1) (OP.)	*9
91	B30080400914	AUTO DOOR (B/S TYPE) (2) (OP.)	*9, *10 *11, *13, *15
92	B30080400920	AUTO DOOR SAFETY SWITCH (OP.)	*9
93	B30080400930	AUTO TOP DOOR (OP.) QL	*14
94	B30080400980	AUTO POWER ON/OFF & WARM UP (OP. GL/QL)	*14
95	B30080400990	OPERATING BOX (NC CONTROL) GL/QL	*14

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No.	DRAWING NUMBER	TITLE	
96	B30080401001	GL INTERFACE INPUT SIGNAL (OP.)	*12, *13
97	B30080401011	GL INTERFACE OUTPUT SIGNAL (OP.)	*12, *13
98	B30080401021	GL FENCE UNLOCK (OP.)	*12, *13
99	B30080401032	GANGTRY LOADER I/F	*12, *13, *14
100	B30080401051	GANGTRY LOADER I/F (2)	*13, *14
101	B30080401040	ABS BATTERY BOX UNIT	*12
102	B30080401100	QL INTERFACE INPUT SIGNAL	*14
103	B30080401110	QL INTERFACE OUTPUT SIGNAL	*14
104	B30080401120	QL CONNECTION I/O #1-4	*14
105	B30080401130	QL LOADER I/F	*14
106	B30080402500	YMUK CYCLE BAR FEEDER I/F (1) (OP.)	*15
107	B30080402510	YMUK CYCLE BAR FEEDER I/F (2) (OP.)	*15
108	B30080402520	YMUK BAR FEEDER POWER LINE	*15
109	B30080402010	PCB PC INPUT ROBOT I/F (1)	*15
110	B30080402020	PCB PC INPUT ROBOT I/F (2)	*15
111	B30080402030	PCB PC OUTPUT ROBOT I/F (1)	*15
112	B30080402040	PCB PC OUTPUT ROBOT I/F (2)	*15
113	B30080500018	PARTS ARRANGEMENT ON CONTROL BOX	*6, *8, *9, *10, *11, *12, *14, *15
114	B30080500042	PARTS ARRANGEMENT ON AMP PANEL	*3, *6, *8
115	B30080500053	PARTS ARRANGEMENT ON POWER PANEL 1, 2, 3	*3, *6, *8, *14
116	B30080500064	PARTS ARRANGEMENT ON POWER PANEL 1, 2, 3	*3, *6, *8, *16
117	B30080500074	PARTS ARRANGEMENT ON POWER PANEL 1, 2, 3	*4, *6, *8, *12
118	B30080500080	PARTS ARRANGEMENT ON POWER PANEL 1, 2, 3	*8
119	B30080500098	PARTS ARRANGEMENT ON CONTROL PANEL 1, 2, 3	*8, *9, *10, *11, *12, *13, *18
120	B30080500118	PARTS ARRANGEMENT ON CONTROL PANEL 1, 2, 3	*6, *8, *9, *10, *11, *12, *11
121	B30080500128	PARTS ARRANGEMENT ON CONTROL PANEL 1, 2, 3	*6, *8, *9, *10, *11, *12, *11
122	B30080500142	PARTS ARRANGEMENT ON BASE PANEL	*3, *6, *8
123	B30080500162	PARTS ARRANGEMENT CONTROL BOX DOOR	*3, *8, *18
124	B30080500202	ZL BRACKET LAYOUT	*12, *13, *14
125	B30080500212	TERMINAL BLK(STD) LAYOUT (CONTROL BOX)	*5, *6, *12
126	B30080500225	TERMINAL BLK(OP.) LAYOUT (CONTROL BOX)	*6, *8, *9, *10, *12
127	B30080500235	EARTH TERMINAL LAYOUT	*6, *8, *9, *10, *12
128	B30080500255	CABLE GLAND LAYOUT	*4, *6, *8, *9, *12
129	B30080500261	TERMINAL BLOCK LAYOUT (#1-4)	*6, *12
130	B30080500270	TERMINAL BLOCK LAYOUT (AUTO DOOR)	*9

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No.	DRAWING NUMBER	TITLE	
131	B30080500281	CONNECTOR LAYOUT (PCB)	*10 *11
132	B30080500303	PARTS ARRANGEMENT ON SPINDLE BOX (B30)	*4, *6, *8
133	B30080500311	TERMINAL BLOCK LAYOUT (SPINDLE BOX) B30	*3
134	B30080500332	PARTS ARRANGEMENT ON SPINDLE BOX (B32)	*4, *6, *8
135	B30080500340	TERMINAL BLOCK LAYOUT (SPINDLE BOX) B32	*6
136	B30080500360	PARTS ARRANGEMENT ON AUTO DOOR	*9
137	B30080500400	PARTS ARRANGEMENT ON BREAKER BOX	*12
138	B30080500500	PARTS ARRANGEMENT CONTROL PANEL (OP.)	*14
139	B30080500510	CABLE GRAND LAYOUT (1)	*14
140	B30080500520	CABLE GRAND LAYOUT (2)	*14
141	B30080502000	PARTS ARRANGEMENT ON ADDITIONAL BOX	*15
142	B30080502010	TERMINAL BLOCK LAYOUT ROBOT I/F	*15
143	B30080502500	INTERFACE BOX LAYOUT (YMUK B/F)	*15
144	B30080502510	TERMINAL BLOCK LAYOUT (YMUK B/F)	*15
145	B30080502520	INTERFACE BOX LAYOUT (YMUK B/F & GL)	*15
146	B30080510000	TERMINAL BLOCK LAYOUT XT513	*15
147	B30080700011	MACHINE OPERATION PANEL (B30)	*14, *18
148	B30080700021	MACHINE OPERATION PANEL (B32)	*14, *18
149	B30080700100	MACHINE OPERATION PANEL (1/2)	*14
150	B30080700110	MACHINE OPERATION PANEL (2/2)	*14
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