

Mazak

ELECTRICAL CIRCUIT DIAGRAMS

QUICK TURN SERIES

MAZATROL EIA (M50L)

SET NO. **DD34/030000**

ELEMENTARY DIAGRAM LIST

PAGE 1/4

SET No.: DD 341030000

Drawn By: K. YASUDA

Checked By: M. NAKASHIMA

Approved By: _____

No.	ITEM	SPECIFICATION
1	MACHINE TYPE	<i>BULCK TURN</i>
2	MACHINE No.	<i>STANDARD</i>
3	CNC TYPE	<i>MAZATROL EIA (MSOL)</i>
4	SPINDLE TYPE	<i>A-SP</i>
5	PLC ROM No.	<i>147-A0</i>
6	AUX.1 ROM No.	
7	AUX.2 ROM No.	
8		

Remarks

Option

No.	DRAWING NUMBER	TITLE
1	<i>34103010010.0</i>	<i>ELECTRICAL CAPACITY LIST (1)</i>
2	<i>34103010110.0</i>	<i>M CODE LIST (1)</i>
3	<i>34103010120.0</i>	<i>M CODE LIST (2)</i>
4	<i>34103012010.0</i>	<i>MACHINE PARAMETER TIMER (1)</i>
5	<i>34103012020.0</i>	<i>MACHINE PARAMETER TIMER (2)</i>
6	<i>34103012030.0</i>	<i>PLC PARAMETER DATA (1)</i>
7	<i>34103012040.0</i>	<i>PLC PARAMETER DATA (2)</i>
8	<i>34103012050.0</i>	<i>PLC PARAMETER BIT (1)</i>
9	<i>34103012060.0</i>	<i>PLC PARAMETER BIT (2)</i>
10	<i>34103012070.0</i>	<i>PLC PARAMETER BIT (3)</i>
11	<i>34103017000.0</i>	<i>PARTS ARRANGEMENT ON CONTROL BOX (AT-8)</i>
12	<i>34103017000.1</i>	<i>PARTS LIST ON CONTROL BOX (AT-8)</i>
13	<i>34103017011.0</i>	<i>PARTS ARRANGEMENT ON CONTROL BOX (AT-15)</i>
14	<i>34103017011.1</i>	<i>PARTS LIST ON CONTROL BOX</i>
15	<i>34103017020.0</i>	<i>PARTS ARRANGEMENT ON POWER PANEL (AT-8)</i>
16	<i>34103017020.1</i>	<i>PARTS LIST ON POWER PANEL (1) (AT-8)</i>
17	<i>34103017020.2</i>	<i>PARTS LIST ON POWER PANEL (2) (AT-8)</i>
18	<i>34103017031.0</i>	<i>PARTS ARRANGEMENT ON POWER PANEL</i>
19	<i>34103017030.1</i>	<i>PARTS LIST (1)</i>
20	<i>34103017031.2</i>	<i>PARTS LIST (2)</i>
21	<i>34103017140.0</i>	<i>OPERATING PANEL</i>
22	<i>34103017140.1</i>	<i>PARTS LIST OPERATING PANEL STD</i>
23	<i>34103017140.2</i>	<i>PARTS LIST OPERATING PANEL STD.</i>
24	<i>34103017140.3</i>	<i>PARTS LIST OPTION SW.</i>
25	<i>34103020100.0</i>	<i>CABLE LIST (1)</i>

ELEMENTARY DIAGRAM LIST

PAGE 2/4

SET No.: DD 341030 000

No.	DRAWING NUMBER	TITLE
26	34103020110.0	CABLE LIST (2)
27	34103020130.0	CABLE LIST (4)
28	34103020140.0	CABLE LIST (5)
29	34103020160.0	CABLE LIST (7)
30	34103020170.0	CABLE LIST (8)
31	34103020180.0	CABLE LIST (9)
32	34103020190.0	CABLE LIST (10)
33	34103020200.0	CABLE LIST (11)
34	34103020210.0	CABLE LIST (12)
35	34103020220.0	CABLE LIST (3)
36	34103030000.0	CABLE OUTLET LAYOUT (1) (AT-8)
37	34103030000.1	CABLE OUTLET LAYOUT (2) (AT-8)
38	34103030010.0	CABLE OUTLET LAYOUT (1) (AT-15, 18)
39	34103030020.0	CABLE OUTLET LAYOUT (2) (AT-15, 18)
40	34103030030.0	CABLE OUTLET LAYOUT (3) (AT-15, 18)
41	34103030040.0	CABLE OUTLET LAYOUT (4) (AT-15, 18)
42	34103040010.0	LINE POWER SUPPLY (EX TRANS SPEC.)
43	34103040020.0	LINE POWER SUPPLY (J TRANS SPEC.)
44	34103040030.0	LINE POWER SUPPLY (AT-8)
45	34103040030.1	LINE POWER SUPPLY (AT-15 J.YMC)
46	34103040030.2	LINE POWER SUPPLY (AT-15 3rd)
47	34103040040.0	SPINDLE & SERVO MOTOR (AT-8)
48	34103040040.1	SPINDLE & SERVO MOTOR (AT-15)
49	34103040060.0	SPINDLE MOTOR (MITSUBISHI)
50	34103040070.0	SPINDLE FEED BACK
51	34103040180.0	X AXIS SERVO MOTOR
52	34103040210.0	Z AXIS SERVO MOTOR
53	34103040260.0	AUX. MOTORS (1)
54	34103040270.0	AUX. MOTORS (2)
55	34103040300.0	POWER PANEL AC100V CONTROL
56	34103040311.0	POWER PANEL
57	34103040320.0	POWER PANEL (FAN MOTORS) AT-15
58	34103040320.1	POWER PANEL (FAN MOTORS) AT-8
59	34103040351.0	POWER PANEL
60	34103040361.0	POWER PANEL CONTACTORS

ELEMENTARY DIAGRAM LIST

PAGE 3/4

SET No.: DD 341030000

No.	DRAWING NUMBER	TITLE
61	34103040370.0	TAIL BODY MOTOR
62	34103040380.0	POWER PANEL TOOL EYE MOTOR
63	34103040390.0	MAIN BREAKER SHUNT TRIP
64	34103040400.0	SSR-BOARD CHUCK, TAIL SOL.
65	34103040410.0	SSR-BOARD TURRET SOL.
66	34103040430.0	SSR-BOARD OPTION SOL.
67	34103040440.0	OPTION INDICATOR LIGHT
68	34103040480.0	DC-PCB EMERGENCY STOP
69	34103040490.0	DC-PCB COMMON LINE CONTROL
70	34103040500.0	DC 24V REMOTE I/O UNIT
71	34103040510.0	POWER PANEL ALARM CIRCUIT
72	34103040530.0	REMOTE I/O UNIT 1
73	34103040540.0	REMOTE I/O UNIT 2, 3
74	34103040550.0	DC-PCB PC INPUT TURRET
75	34103040550.1	DC-PCB PC INPUT TURRET
76	34103040560.0	DC-PCB PC INPUT TOOL EYE
77	34103040580.0	DC-PCB PC INPUT CHUCK
78	34103040590.0	DC-PCB PC INPUT TAIL STOCK
79	34103040600.0	DC-PCB PC INPUT
80	34103040610.0	DC-PCB PC INPUT PRESSURE SWITCH
81	34103040630.0	DC-PCB PC INPUT ALARM
82	34103040640.0	DC-PCB PC INPUT AUTO DOOR
83	34103040650.0	DC-PCB PC INPUT DOOR INTERLOCK
84	34103040670.0	HMS INTERFACE DIAGRAM
85	34103040680.0	DC-PCB PC INPUT FOR BAR FEEDER I/F
86	34103040700.0	PC OUTPUT SSR. RELAY
87	34103040710.0	PC OUTPUT SSR. RELAY
88	34103040720.0	PC OUTPUT SSR. RELAY
89	34103040730.0	PC OUTPUT M-CODE
90	34103049010.0	OPERATING PANEL (1)
91	34103049020.0	OPERATING PANEL (2)
92	34103049030.0	OPERATING PANEL (3)
93	34103049040.0	OPERATING PANEL (4)
94	34103049100.0	OPERATING PANEL (I/F PANEL)
95	34103049110.0	I/F PANEL

ELEMENTARY DIAGRAM LIST

PAGE 4/4

SET No.: DD341030 000

[illegible]