LINE IT UP!
CABINET WIRING DIAGRAM

SEGA AMUSEMENTS U.S.A., INC.

120VAC IN
HOT
EARTH
NEUTRAL

MAIN POWER SW
BREAKER 10 AMPS
DC POWER OUT PUT

POWER SUPPLY
5VDC, 12VDC
Model: LT-200W
+5VDC (20A)
+12VDC (8A)
-5VDC (0.5A)
-12VDC (0.5A)

BLK
GRN / YEL
WHT

P4
AC120V OUT

WAGO WALL-NUT(3)
BLK
BLK
GRN
GRN
WHT

P9
RED
RED
RED
BLK
BLK
BLK
WHT(15VDC)
YEL (+12VDC)
BLUE (-12vdc)

P5
F.L.ASSY, PLAY FIELD, TOP (18 1/4", 15W, 60Hz)

P6
F.L.ASSY, MARQUEE (18 1/4", 15W, 60Hz)

036-7600-01
AC HARNESS

WHT
GRN
BLK

036-7601-01 DC HARNESS (JAMMA)

JAMMA CONNECTOR
56 PINS
(28 PINS X 2)

CN12

GND	1 A	BLK
GND	2 B	BLK
GND	3 C	BLK
GND	4 D	BLK
5VDC	5 E	RED
5VDC	6 F	RED
5VDC	7 H	RED
5VDC	8 J	RED
12VDC	9 K	ORG
12VDC	10 L	ORG
KEY	11 M	KEY
COUNTER 1	12 N	BRN / PUR
LOCK 1	13 P	BRN / ORG
LOCK 2	14 R	BRN / YEL
SPEAKER +	15 S	BRN / RED
SPEAKER -	16 T	BRN / BLK
SERVICE	17 U	GRY / ORG
TEST	18 V	GRY
TILT	19 W	GRY / YEL
COIN 1	20 X	GRY / PUR
COIN 2	21 Y	GRY / GRN
	22 Z	
	23 a	
	24 b	
	25 c	
	26 d	
	27 e	BLU / YEL
GAME SELECT	28 f	BLU / YEL
GND		BLK
GND		BLK

MAIN CPU BOARD

IDE
CONNECT TO MOTOR DRIVER BOARD IDE CONNECTOR

CN13 RED BRN / PUR — COIN METER 1 (999990)
CN14 RED BRN / ORG — SMALL PRIZE METER (999990)
CN15 RED BRN / YEL — LARGE PRIZE METER (999990)

SPEAKER + / SPEAKER - — SPEAKER 8 OHM 15W

CN16
RED
BLK
BLK
COIN ENTRY LAMP
COIN SW 1
COIN SW 2
SERVICE SW
TEST SW
GRY

TILT ASSY
(PLUMB BOB, NORMAL OPEN)

CN17 P8
BLK
WHT

P7
YEL
RED
BRN
BLK
GRN
WHT
BLU
PUR

DBA (OPTION)
ICT A6 OR
MARS
AE2451U3E

DBA HARNESS
(COME WITH DBA)

GO TO SCREW FOR COIN DOOR HINGE

BLK
GRN
WHT

036-7607-01
MOTOR TERMINATION HARNESS

036-7602-01
MOTOR EXT HARNESS

P1 P2 P3 J101

BLK	1	GND
ORG/BLK	2	DRIVE
	3	(NOT USED)
ORG	4	+12VDC

M1
CERAMIC CAPACITOR, 0.01uF
ORG/BLK
ORG

DISPENSE UNIT

All M2 to M7 are same diagram as M1 of above.

M2 J102
M3 J103
M4 J104
M5 J105
M6 J106
M7 J107
M8 J108

MOTOR DRIVER BOARD

CN7 STRobe 1 / STROBE 2 CN8
PUR / BLK
12VDC, ORG
CN6 J112

036-7612-00
STROBE LIGHT HARNESS

BLK
GRN/BLK
RED
J113

036-7603-00
OPTO POWER HARNESS

CN9 J116 (Not use) CN18

CN10 1 2 3
GND
OPTO N.O.
+5VDC

PRIZE OPTO. BOARD (EMITTER)

CN20 1 2 3 4 5 6 7 8
BLK
YEL / BLU
YEL / RED
YEL / GRN
YEL
BLK
RED
RED

036-7608-00
OPTO COMM HARNESS

CN21 1 2 3 4 5 6 7 8
GND
SDI
DE_N
CLR_N
CLK
GND
+5VDC
+5VDC

PRIZE OPTO. BOARD (SENSOR)

J109 1 2 3 4 5
BLK
BLK
RED
RED
ORG

J110 1 2 3 4 5 6 7 8 9 10 11 12 CN1

036-7605-01
DISPLAY
HARNESS

CN11

BLK	1	GND
GRN / BRN	2	SW9
PUR / BRN	3	DR9
GRN / RED	4	SW 10
PUR / ORG	5	DR 11
GRN / ORG	6	SW 11
PUR / BLU	7	DR 13
GRN / YEL	8	SW 12
PUR / WHT	9	DR 15
GRN / BLU	10	SW 13
PUR / GRY	11	DR 6
	12	
	13	
ORG	14	+12VDC

J111

J115 (Not use)

036-7604-02
CONTROL PANEL HARNESS

IDE

CONNECT TO MAIN PCB, IDE CONNECTOR

CONTROL PANEL ASSY

LAMP 12VDC — CONTINUE BUTTON
LAMP 12VDC — STOP / START BUTTON
LAMP 12VDC — RIGHT ARROW BUTTON
LAMP 12VDC — LEFT ARROW BUTTON
LAMP 12VDC — TAKE BUTTON

CN2 DISPLAY BOARD #1 CN3 CN4 DISPLAY BOARD #2

RED	1	+5VDC LOAD	+5VDC LOAD	12	RED	1	+5VDC LOAD
WHT / RED	2	SDATA	SDATA	11	WHT / RED	2	SDATA
WHT / GRN	3	SCLK	SCLK	10	WHT / GRN	3	SCLK
WHT / BLU	4	STRB	STRB	9	WHT / BLU	4	STRB
WHT / BLK	5	BLANK	BLANK	8	WHT / BLK	5	BLANK
BLK / YEL	6	GND	GND	7	BLK / YEL	6	GND
BLK	7	GND	GND	6	BLK	7	GND
BLK	8	GND	GND	5	BLK	8	GND
RED / YEL	9	+5VDC LOGIC	+5VDC LOGIC	4	RED / YEL	9	+5VDC LOGIC
WHT / ORG	10	OPTION	OPTION	3	WHT / ORG	10	OPTION
WHT / YEL	11	OPTION	OPTION	2	WHT / YEL	11	OPTION
RED	12	+5VDC LOAD	+5VDC LOAD	1	RED	12	+5VDC LOAD

036-7606-01
DISPLAY JUMPER