



OWNERS AND SERVICE MANUAL
INNOVATIVE CONCEPTS IN ENTERTAINMENT INC.

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SAFETY AND WARNINGS

BEFORE YOU BEGIN

WARNING: WHEN INSTALLING THIS GAME, A GROUNDED A.C. RECEPTACLE MUST BE USED. FAILURE TO DO SO COULD RESULT IN INJURY TO YOURSELF OR OTHERS. FAILURE TO USE A GROUNDED RECEPTACLE COULD ALSO CAUSE IMPROPER GAME OPERATION, OR DAMAGE TO THE ELECTRONICS. DO NOT DEFEAT OR REMOVE THE GROUNDING PRONG ON THE POWER CORD FOR THE SAME REASON AS GIVEN ABOVE. USING AN IMPROPERLY GROUNDED GAME COULD VOID YOUR WARRANTY. HAVE A QUALIFIED ELECTRICIAN CHECK YOUR A.C. RECEPTACLE TO BE SURE THE GROUND IS FUNCTIONING PROPERLY. DO NOT WASH YOUR GAME WITH A PRESSURE WASHER.

AVERTISSEMENT: lors de l'installation de ce jeu, la terre AC réceptacle doit être utilisé. Ne pas le faire pourrait entraîner un préjudice à vous ou à d'autres. Le non-recours à la terre réceptacle pourrait également causer une mauvaise opération de jeu, ou les dommages causés à l'électronique. NE PAS détériorer ou de retirer la broche de terre sur le cordon d'alimentation pour la même raison, comme indiqué ci-dessus. Indûment l'aide d'un jeu de la terre pourrait annuler votre garantie. Ont un électricien qualifié de vérifier votre réceptacle AC pour s'assurer que le sol fonctionne correctement. Ne lavez pas votre jeu avec une laveuse à pression.

INSTALLATION

The game comes ready to play with just a few simple things to keep in mind.

1. Plug the game into the A.C. outlet and turn on power to the game. The switch for the game is located on a power module on the outside rear of the game.

THIS GAME IS DESIGNED TO DISSIPATE STATIC ELECTRICITY THROUGH THE GROUNDING PLANE OF THE GAME. IF THE A.C. GROUND DOES NOT WORK, THE GAME COULD DISCHARGE STATIC ELECTRICITY THROUGH THE GAME CIRCUITRY, WHICH COULD CAUSE DAMAGE.

2. Make sure the game is level after installation. It is necessary to make sure the game is level for safety concerns.
3. Check that the A.C. voltage rating on the back of the game matches the A.C. voltage of your location.

THE POWER SUPPLY IS NOT VOLTAGE ADJUSTABLE. TO OPERATE THE GAME AT VOLTAGES OTHER THAN THOSE IT WAS DESIGNED FOR. PLEASE CONTACT OUR SERVICE DEPARTMENT FOR VOLTAGE CONVERSION INFORMATION.

WARNING

DO NOT remove any of the components on the main board (e.g. compact flash and eproms) while the game is powered on. This may cause permanent damage to the parts and the main board. Removing any main board component part while powered on will void the warranty.

Ne retirez pas l'un des composants sur la carte principale (par exemple Compact Flash et EPROMs), tandis que le jeu est sous tension. Cette peut causer des dommages permanents aux parties et la carte principale. Suppression de tout bord principal élément sous tension alors que annulera la garantie.

NOTE: THIS GAME IS INTENDED FOR INDOOR USE ONLY.

ON THE BACK PANEL OF THE GAME: WARNING: SHOCK HAZARD - DO NOT OPEN. REFER SERVICING TO SERVICE PERSONNEL.

REMARQUE: CE JEU EST DESTINÉ POUR USAGE À L'INTÉRIEUR SEULEMENT.

SUR LE PANNEAU ARRIÈRE DU JEU: AVERTISSEMENT: RISQUE DE CHOC - NE PAS OUVRIER. RÉPARATION À UN PERSONNEL DE SERVICE.

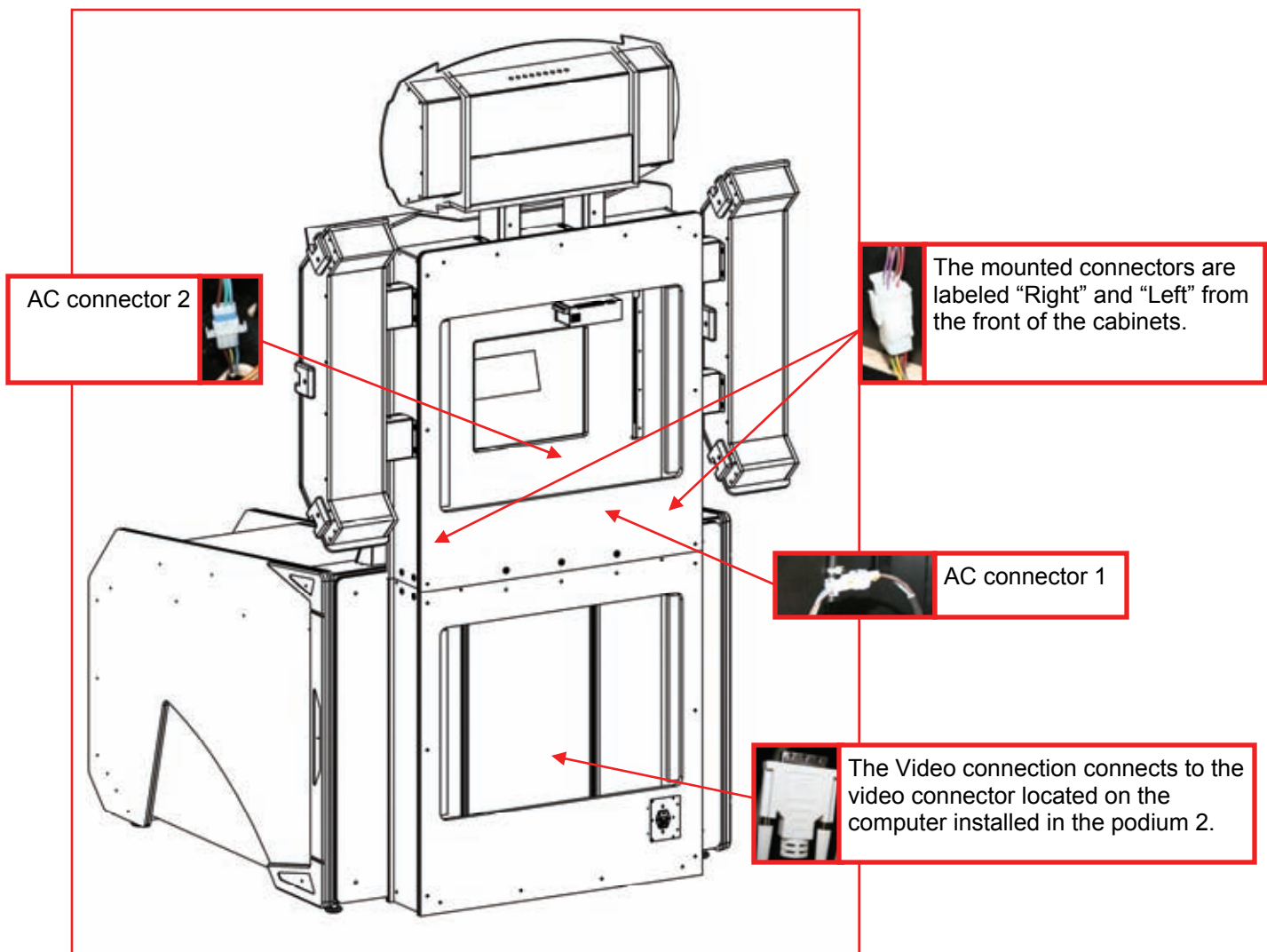
SETUP - INTRODUCTION

Game play:

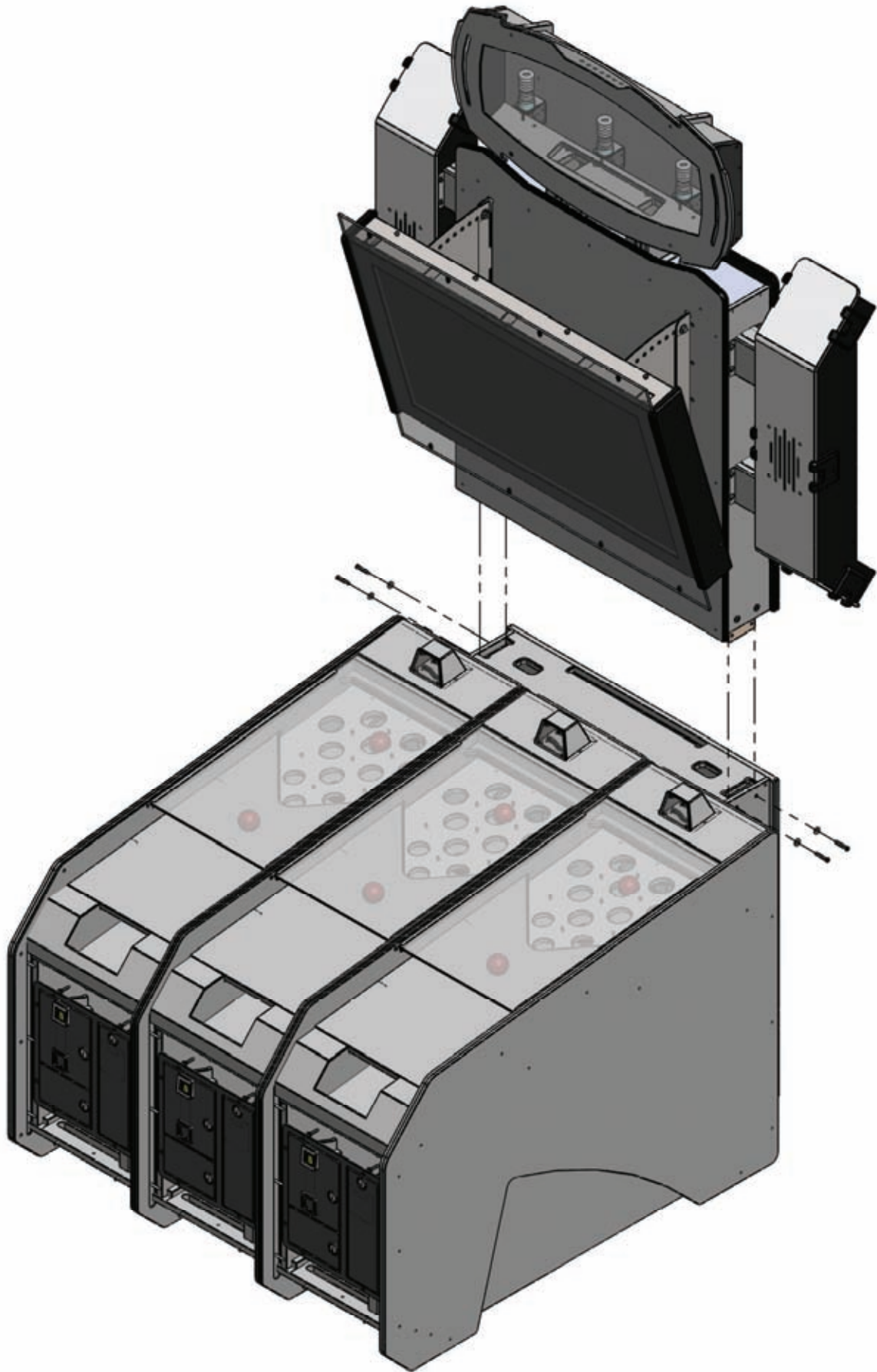
Welcome to a day at the races. Players insert their coinage to join the race. Once the race starts the player rolls their ball down the lane. Landing the ball in a yellow hole the horse will trot moving one space. Landing the ball in a blue hole the horse will gallop moving two spaces. Landing the ball in a red hole and the horse will sprint moving three spaces. The player that reaches the finish line first wins the trophy!

Setup: *(Please read through the entire setup instructions before you begin)*

The game can be shipped in two or more sections. If the podiums are preassembled and attached to the base all you will need to do is to attach the monitor cabinet assembly onto the base of the podium cabinet assembly. It is recommended that at least two people lift the monitor assembly onto the podium base and attach the mounting hardware. See "Setup - Two Section Install" on the next page for clarification. Now remove the back covers of the base and monitor cabinet so that the monitor cable, audio, and AC plugs can be connected. See Pictures below.



SETUP - Two Section Install

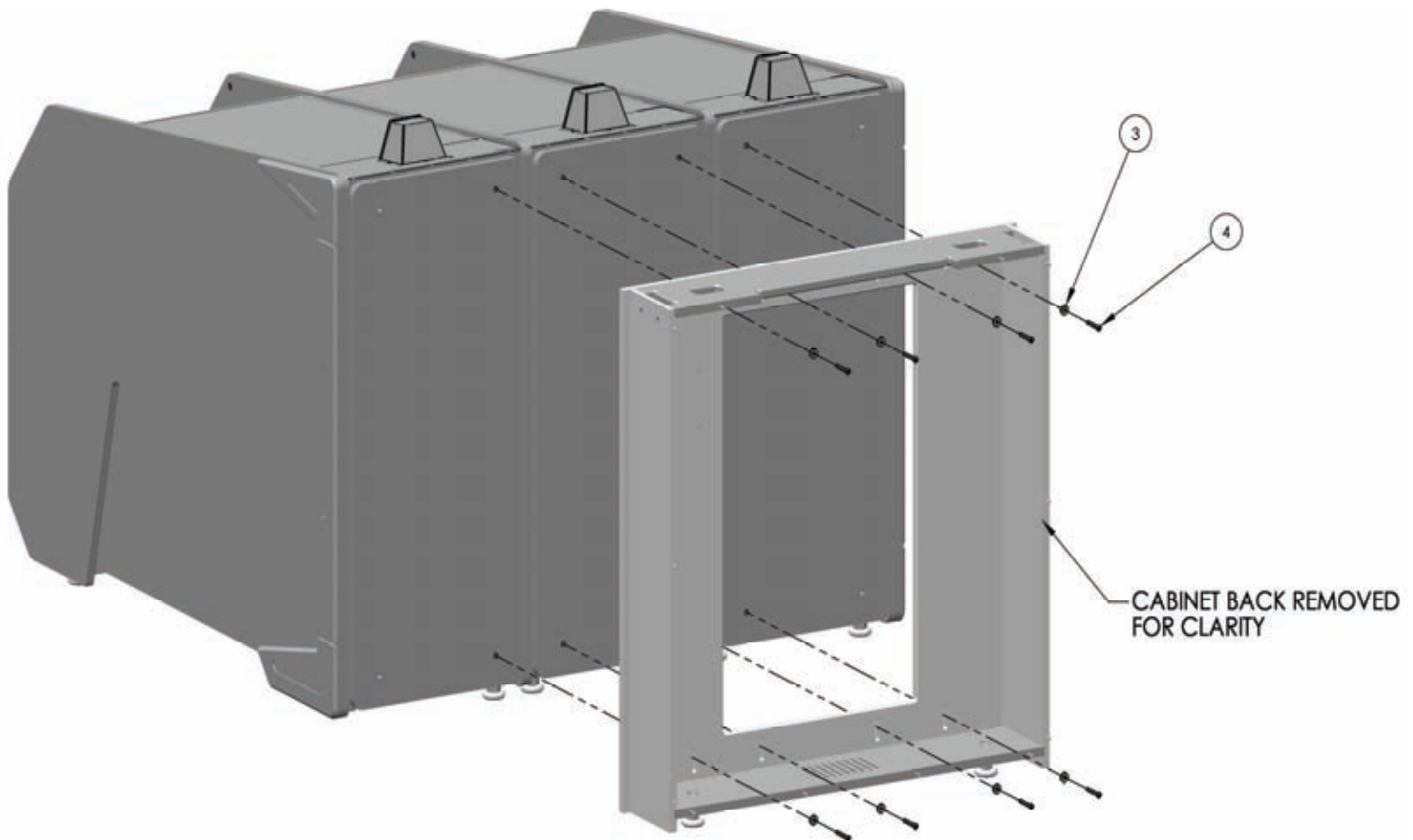


SETUP - Three Section Install

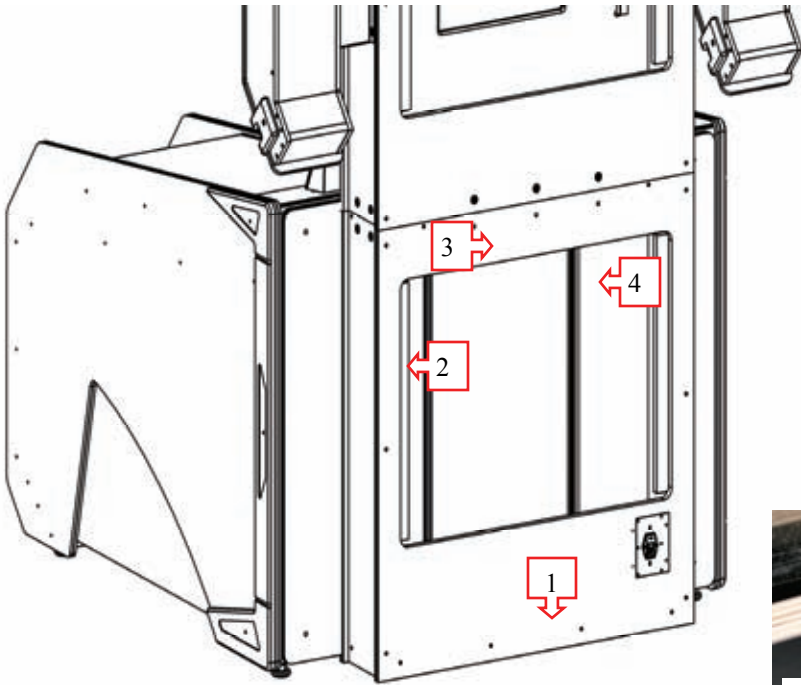
If your game has been shipped in three sections, you will first need to attach the lower base to the podiums. Position the base as shown below and using the 8 1/4 - 20 bolts and 8 1/4 x 3/4 flat washers install the hardware as shown. Follow the setup directions for games shipped in two sections to attach the monitor cabinet assembly.

In addition to the wiring showed in the two section setup you will need to install the harnesses located in the lower base. These are the PS2 keyboard, serial, speakers, I/O connections, and power connections. Please see "SETUP - WIRING LOCATIONS FOR BASE" on the next page for wiring descriptions and locations.

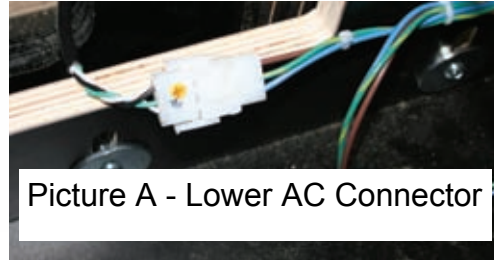
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
3	6212	1/4 x 3/4 FLAT WASHER BLACK (USS)	8
4	6584	1/4-20 X 2.00 SBHCS (BLACK)	8



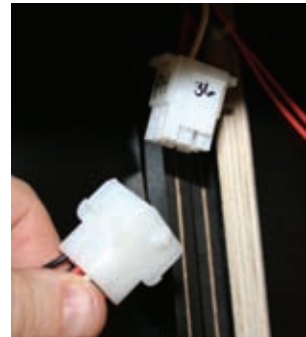
SETUP - WIRING LOCATIONS FOR BASE



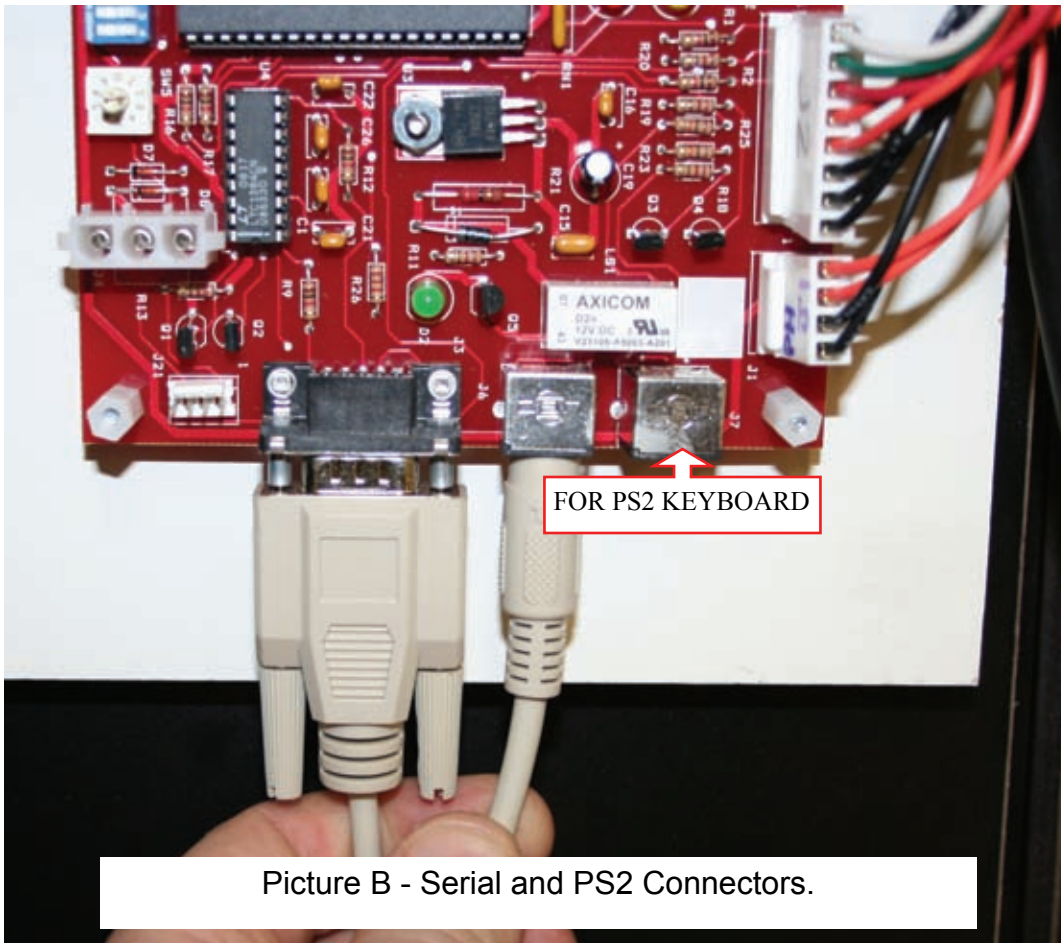
- (1) Lower AC Connector
(Picture A)
- (2) PS2 and SERIAL connectors
(Picture B)
- (3) Lower Speaker Connector
(Picture C)
- (4) DC power connector & 9 pin I/O connectors
(Picture D and E)



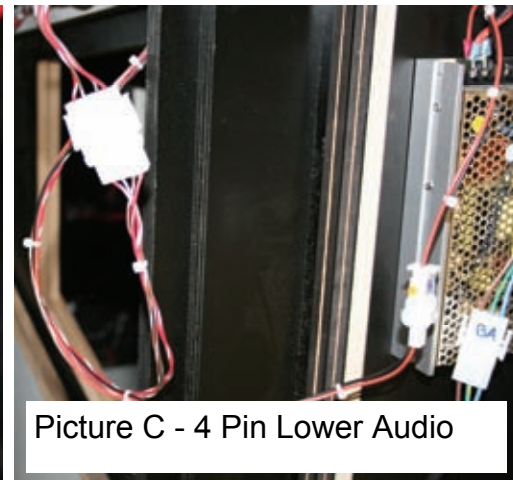
Picture A - Lower AC Connector



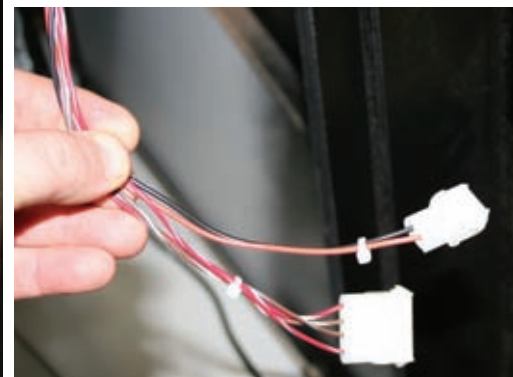
Picture E - 9 Pin I/O



Picture B - Serial and PS2 Connectors.



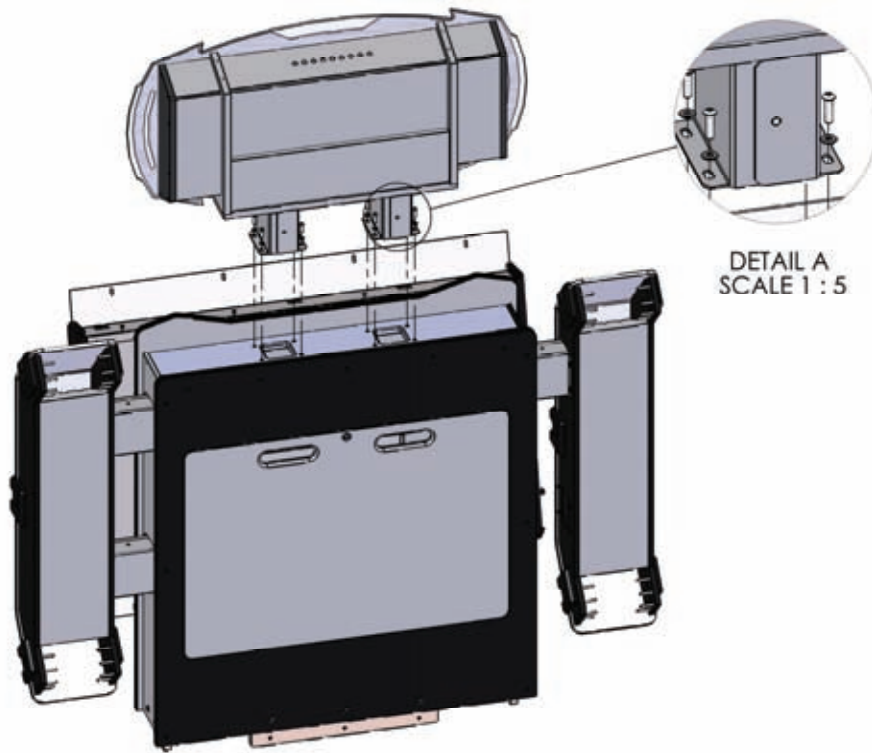
Picture C - 4 Pin Lower Audio



4 Pin Lower Audio and DC Power

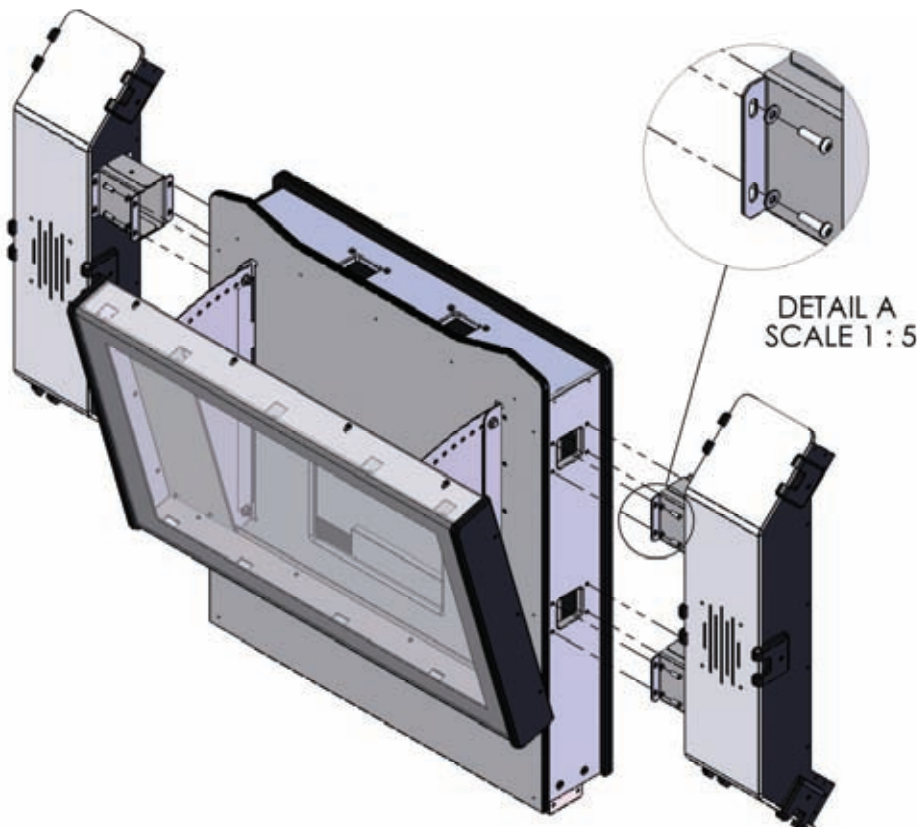
SETUP - Marquee and Speaker Install

Your game might be shipped with the marquee removed and or the speakers. Follow these instructions to attach either your marquee and or the speakers to your game.



MARQUEE INSTALL

Position your marquee as shown and attach four bolts with washers for each side. Be sure to carefully insert the AC plug through the right side so that you do not pinch the harness when tightening the mounting hardware. Remove the monitor cabinet back and Connect the AC wiring. Replace the back panel.

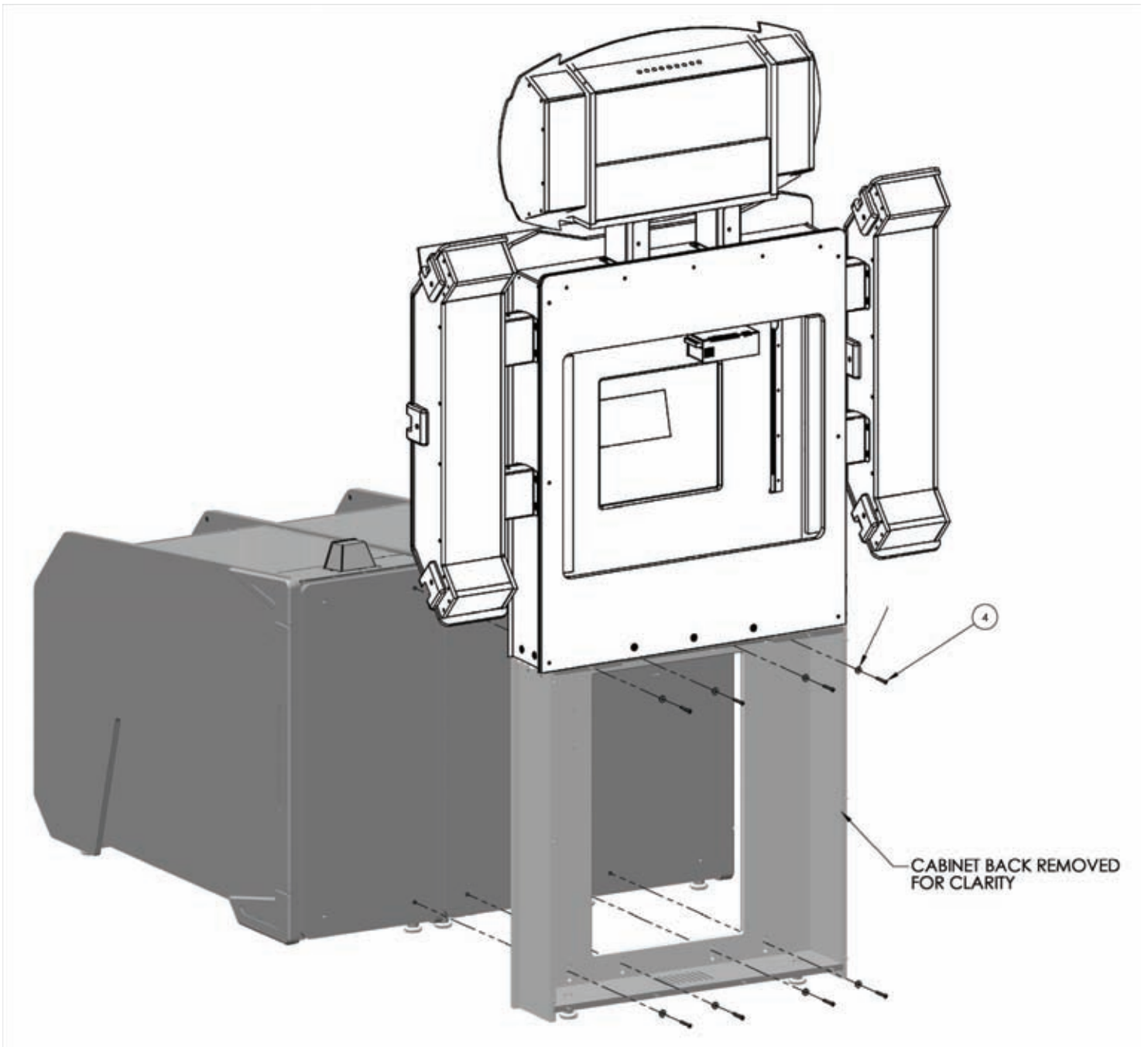


SPEAKER INSTALL

Position speaker as shown and insert the speaker wire through the lower mount and into the monitor cabinet. You will have to remove the back of the monitor cabinet to access the mounting hole. Using the provided hardware install and tighten hardware as shown. Connect the speaker harness. Repeat for the remaining speaker.

SETUP - SPLITTING OF STATION CABINETS

It might be necessary to split the three stations so that your game will fit through a standard door opening. Open the bottom cabinet door and disconnect the wiring shown in "SETUP - WIRING LOCATIONS FOR BASE" section of the manual. Remove the upper and lower mounting hardware as shown below. It will be necessary to have another person to stabilize the back section of your game while removing the hardware and put aside. Remove the mounting hardware shown in diagrams A,B,C "Splitting of the Station Cabinets". Stations one and three have wiring which must be disconnected before splitting. Facing the cabinet, station one is located on the left and station three is located on the right. Remove the glass and playfield header as shown in "SETUP - ACCESS WIRING IN PLAYFIELDS". On Station one, disconnect J1, J2 and J17. On Station Three, disconnect J2 and J17. You can now pull the cabinets apart.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	STUD 2-875	1/4-20 x 2-7/8 STUD	2
6	6444	1/4-20 x 15/32 JOINT CONNECTOR	24

11

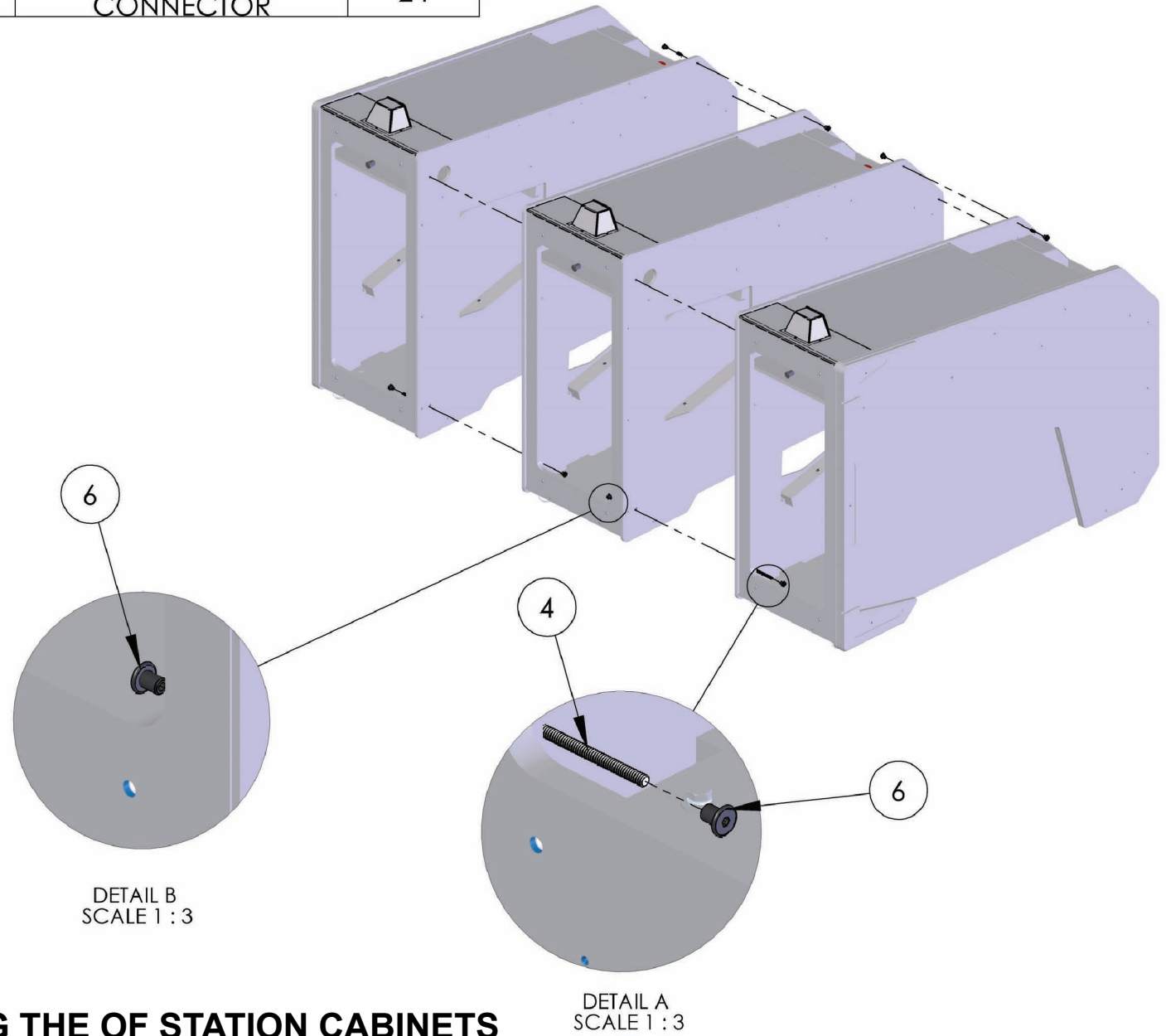


DIAGRAM A: SPLITTING THE OF STATION CABINETS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	6022	1/4-20 x 3/4 STUD	10
6	6444	1/4-20 x 15/32 JOINT CONNECTOR	24

12

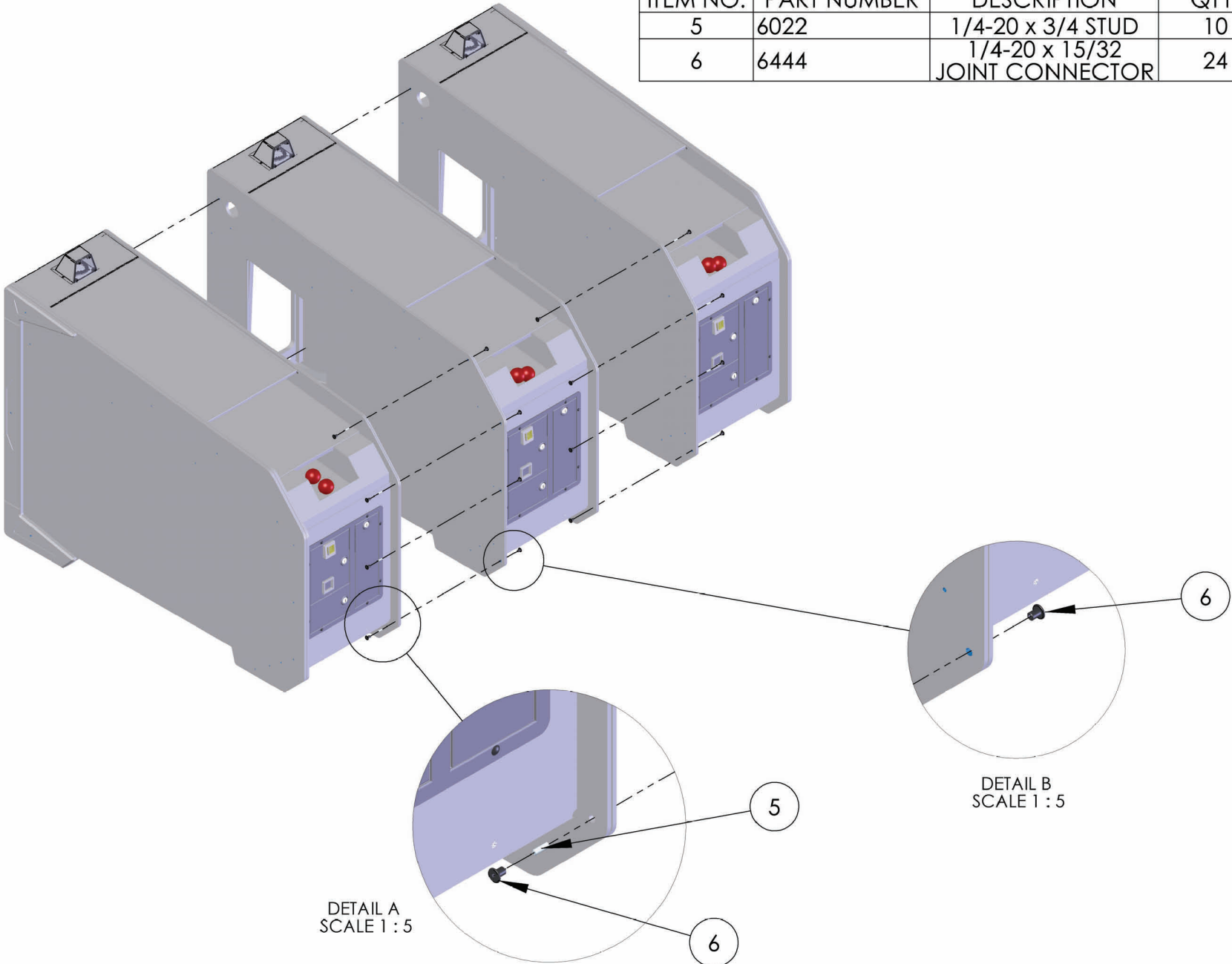


DIAGRAM B: SPLITTING THE OF STATION CABINETS

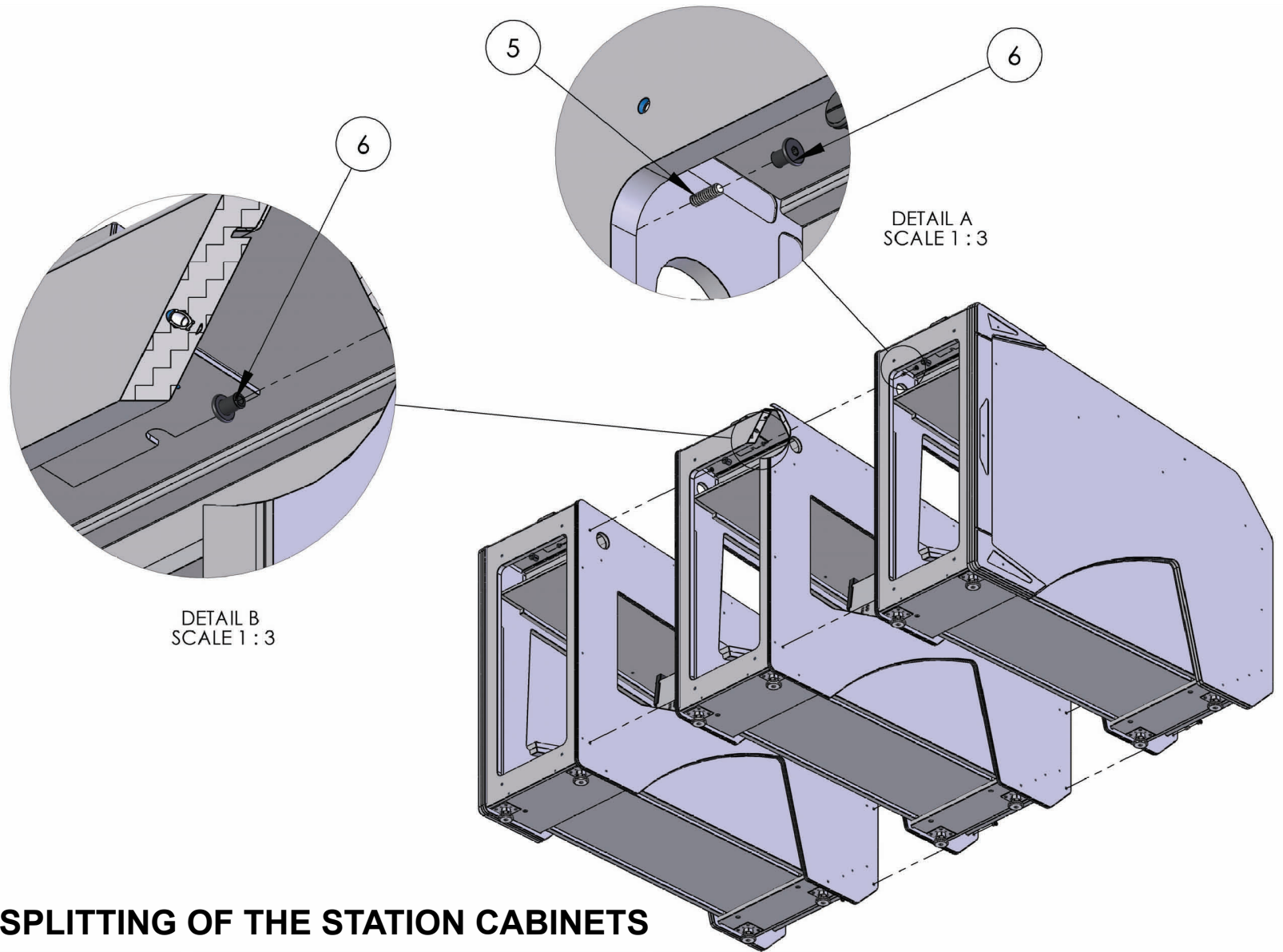
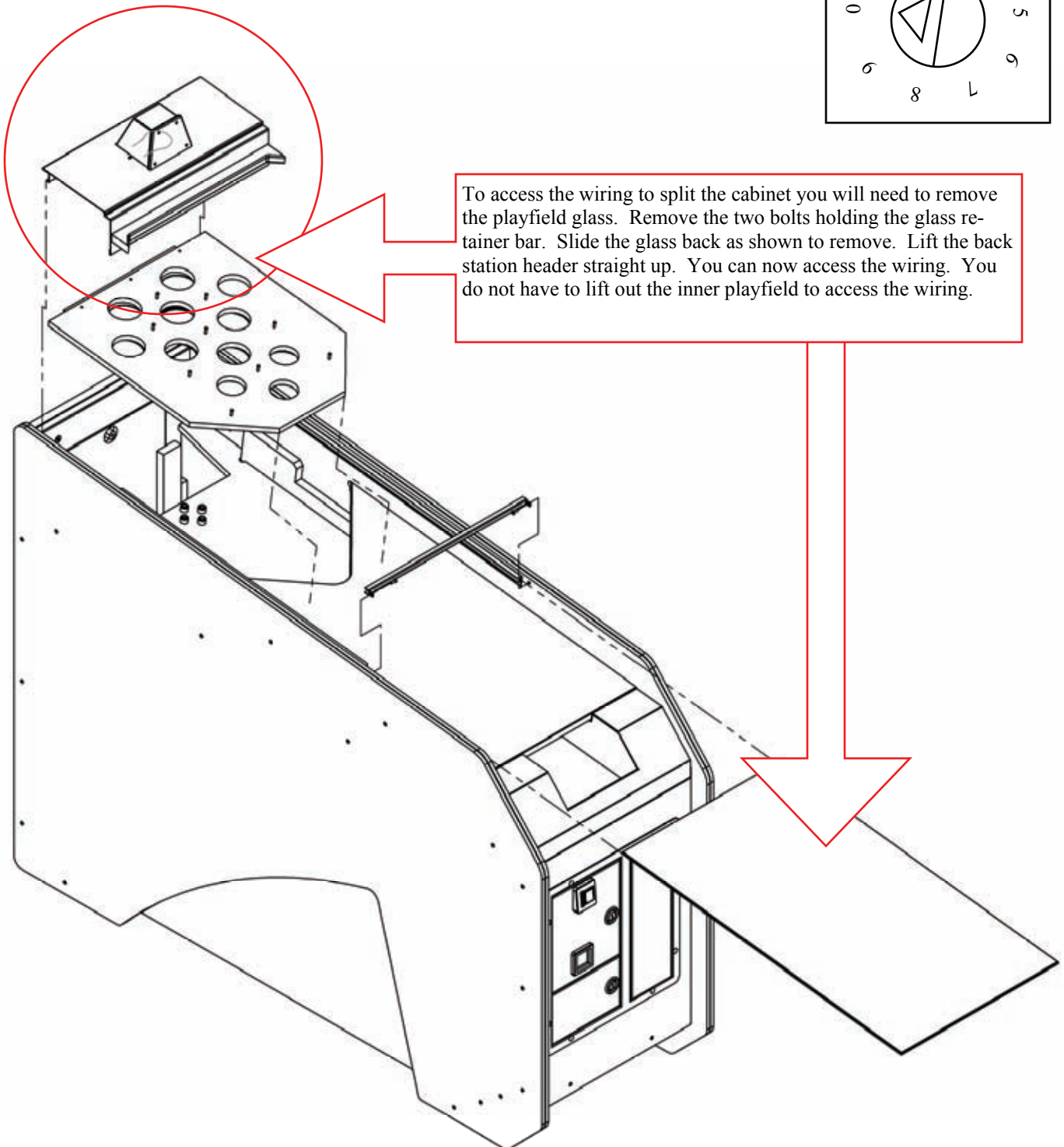
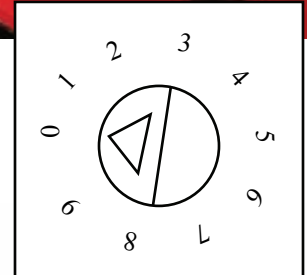
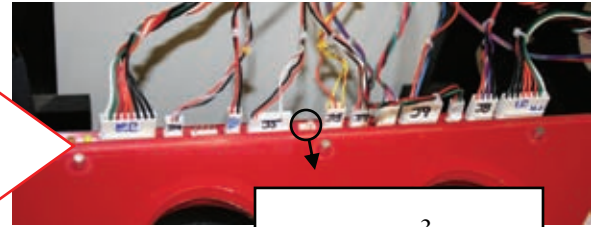


DIAGRAM C: SPLITTING OF THE STATION CABINETS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	6022	1/4-20 x 3/4 STUD	10
6	6444	1/4-20 x 15/32 JOINT CONNECTOR	24

SETUP - ACCESS WIRING IN PLAYFIELDS

At the back of each playfield are the wiring connections. The wiring connectors are labeled to match the correct wiring harness. If a playfield is replaced the station ID number must be set to the correct station number it will be used in. This is done by turning the "pot switch" to the desired station ID. Station 1 would be set to 1, 2 would be set to 2, etc...



To access the wiring to split the cabinet you will need to remove the playfield glass. Remove the two bolts holding the glass retain-er bar. Slide the glass back as shown to remove. Lift the back station header straight up. You can now access the wiring. You do not have to lift out the inner playfield to access the wiring.

SETUP

METERS AND TICKET DISPENSER LOCATION

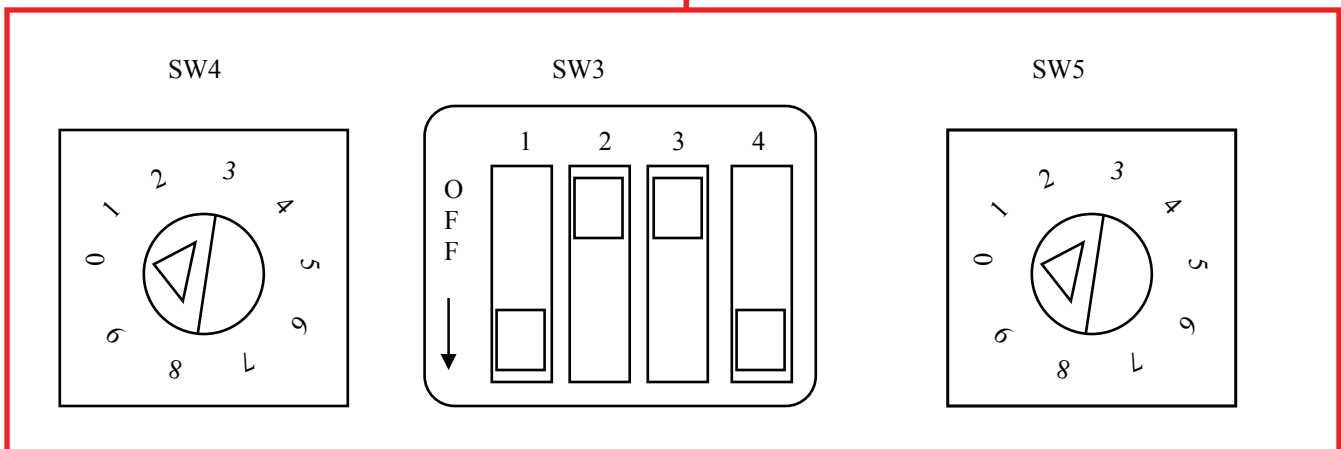
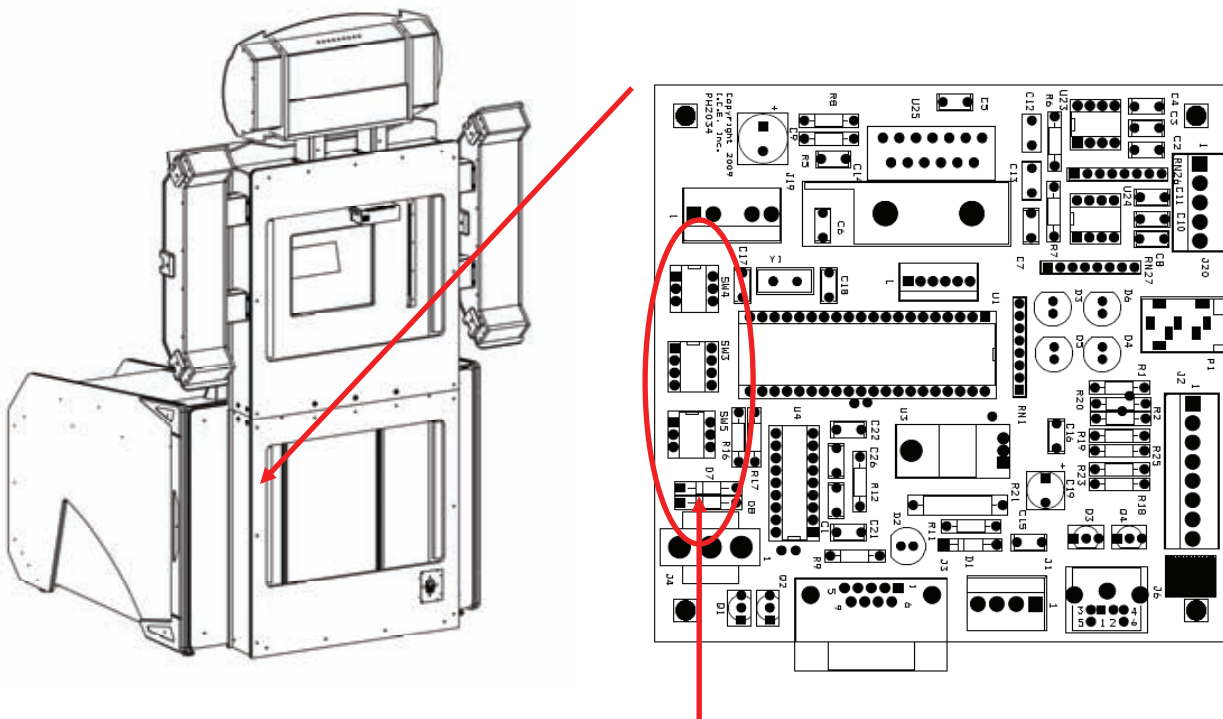
Each station has its own ticket dispenser, ticket meter and coin meter. Each is located through the front of each station.

ACCESSING PROGRAMMING

To program the game, you will need to open the lower back cabinet door. You will find small a pcb with two rotation switches at location SW4 and SW5. There is also a single bank of four dipswitch at location SW3.

PROGRAM SWITCHES LOCATION

Located on SW4 and SW5 is a knob that can be rotated or dialed to the desire option number. There is a small arrow (not the screw driver slot) that determines which number it is at.



PROGRAMMING SHEET

OPTION 1 (SW4) Cost Game. : This rotary switch determines how many pulses it takes before a game can start. Fox example, setting this switch on 1 and you are accepting quarters it will require one quarter to play. A setting of 4 would require either 4 quarters or \$1 dollar to play (If a bill acceptor is installed).

- 0 = Free Play
- 1 = 1 pulses to start
- 2 = 2 pulses to start
- 3 = 3 pulses to start
- 4 = 4 pulses to start
- 5 = 5 pulses to start
- 6 = 6 pulses to start
- 7 = 7 pulses to start
- 8 = 8 pulses to start
- 9 = 9 pulses to start

Option 2 (SW5) Tickets per Station : This rotary switch determines how many tickets to payout to the winners. Dipswitch 4 determines which table to use for how many tickets to payout. For example, a setting of 8 and dipswitch 4 is off would pay out a total of 20 tickets but if dipswitch 4 was on it would pay out 80 total tickets. Tickets can be either divided among players depending on their results of the race or only given to the first place winner. This is configured by dipswitch 1. See dipswitch settings and Note 1 below.

TABLE 1 (Dipswitch 4 off)

- 0 = No Tickets
- 1 = 3 Ticket
- 2 = 5 Tickets
- 3 = 8 Tickets
- 4 = 10 Tickets
- 5 = 12 Tickets
- 6 = 15 Tickets
- 7 = 18 Tickets
- 8 = 20 Tickets
- 9 = 23 Tickets

TABLE 2 (Dipswitch 4 on)

- 0=25 Tickets
- 1=30 Tickets
- 2=35 Tickets
- 3=40 Tickets
- 4=45 Tickets
- 5=50 Tickets
- 6=60 Tickets
- 7=70 Tickets
- 8=80 Tickets
- 9=90 Tickets

Dip Switch Settings

- 1 = All or Distributed (see note 1)
- 2 = JFP Tickets for 4th and 5th place when distributed or 2nd-5th when set for all (see next page)
- 3 = JFP Tickets for 4th and 5th place when distributed or 2nd-5th when set for all (see next page)
- 4 = What table to use. On = Table 2 Off = Table 1.

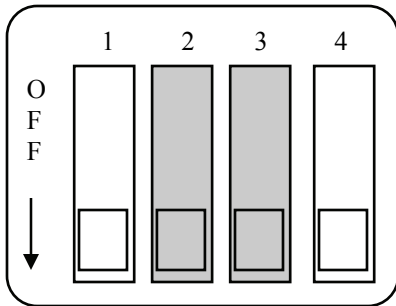
Note 1:

Distribution: If this option is off, the tickets will be distributed by 60% to the first place winner, 30% for the second place winner, 10 % for the third place winner, and JFP tickets for the fourth and fifth. For example if you turn this option off and are paying out a total of 10 tickets, it would pay 6 tickets to the winner, 3 tickets to the second place winner and 1 ticket to the third place winner. If there are more players, none would be paid to them unless you have JFP set.

All: If this option is on, the tickets would all pay to the first place winner and none would be paid to the remaining players unless you have JFP set.

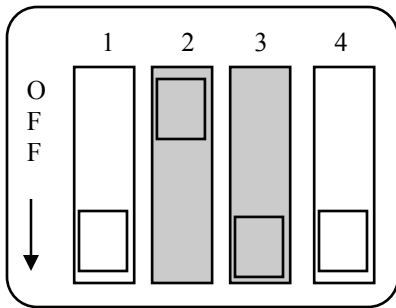
PROGRAMMING SHEET

You can also give tickets away for 4th and 5th place when the game has been set to distribute its tickets or you can pay out a set number of tickets for 2nd through 5th when the game is set to pay-out all tickets to 1st place winner. See below for settings.

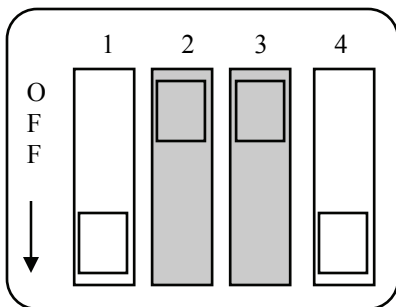


Disabled

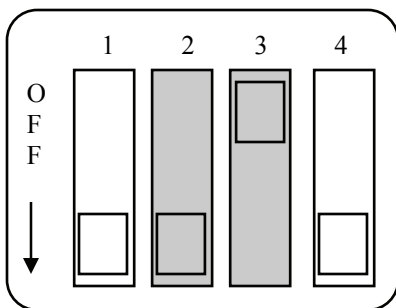
Game will pay out tickets per game settings.



Pay out 1 tickets just for playing.



Pay out 5 tickets just for playing.



Pay out 2 ticket just for playing.

PAYOUT SHEET

The chart below shows the recommended amount of tickets that should be paid out to achieve your desired payout percentage.

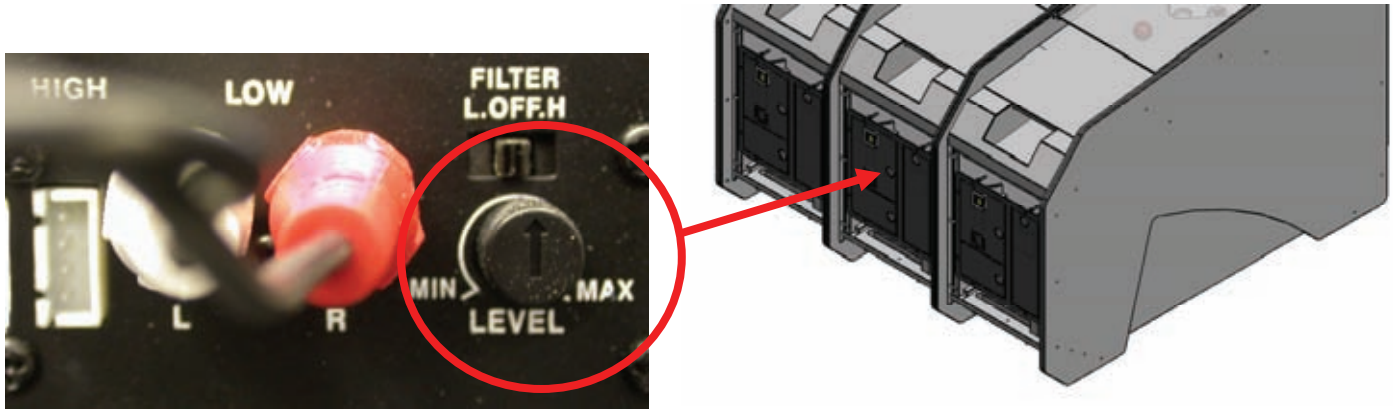
For example if you wish to have a 30% payout and are charging .25 cent per play you will need to set Dip switch 4 to off, turn rotary switch 5 to position 3. If you wish to distribute the tickets among the winners, you will also need to set dipswitch 1 to the off position. Regardless of what dipswitch 1 is set to the total number of tickets that are paid out will be 8 or equal 8.

Game Cost	20% Payout	25%Payout	30% Payout	35% Payout	40% Payout
.25¢	5 Tickets	6 Tickets	8 Tickets	9 Tickets	10 Tickets
.50¢	10 Tickets	12 Tickets	15 Tickets	18 Tickets	20 Tickets
.75¢	15 Tickets	18 Tickets	23 Tickets	27 Tickets	30 Tickets
\$1.00	20 Tickets	24 Tickets	30 Tickets	36 Tickets	40 Tickets
\$1.50	30 Tickets	36 Tickets	45 Tickets	54 Tickets	60 Tickets
\$2.00	40 Tickets	48 Tickets	60 Tickets	72 Tickets	80 Tickets

SETUP

Volume Control

To access the volume control, open the coin door of station 2 (Center station). Located slightly above on the left is a small amplifier. A volume knob is located toward the lower section of the amplifier. See picture below.



PS2 Keyboard

Located below the I/O board is the control switch to enable the keyboard. A LED indicator will be on when the keyboard is enabled. While the keyboard is enabled, the LED indicator will be on. For proper operation of your game, this switch needs to be in the off position. The LED indicator will be off also. You do not need to enable the keyboard unless directed by ICE Service department.

TROUBLE SHOOTING

CAUTION

This game uses complex electronic components that are very sensitive to static electricity. Observe precautions below before handling these electronics. Failure to do so may void the warranty and damage electronic assemblies.

Before servicing electronics, turn off AC power to the game. Wait for capacitors to discharge.

DO NOT remove any of the components on the main board (e.g. compact flash and eproms) while the game is powered on. This may cause permanent damage to the parts and the main board.

Before touching or handling electronic assemblies, discharge static electricity on your body. To discharge this static, begin by connecting the line cord to a grounded outlet. Don't turn on the game. Next, touch the safety ground stud of the power supply chassis.

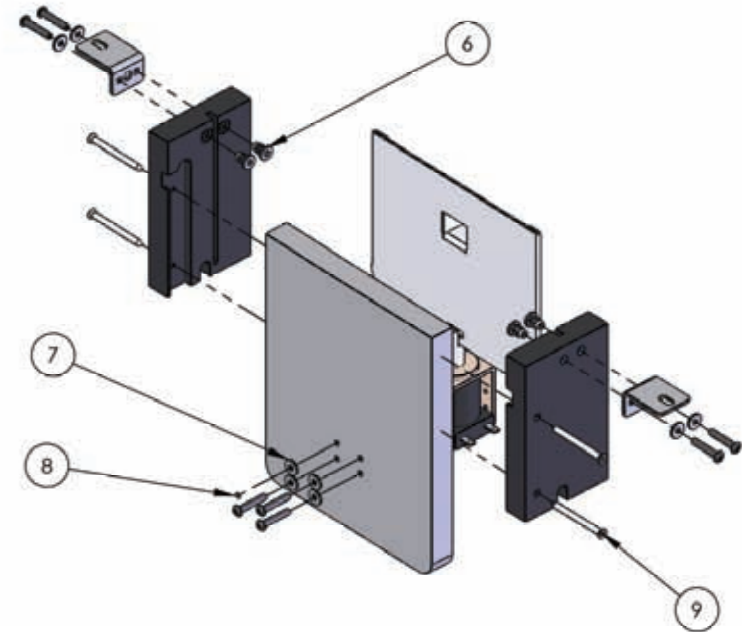
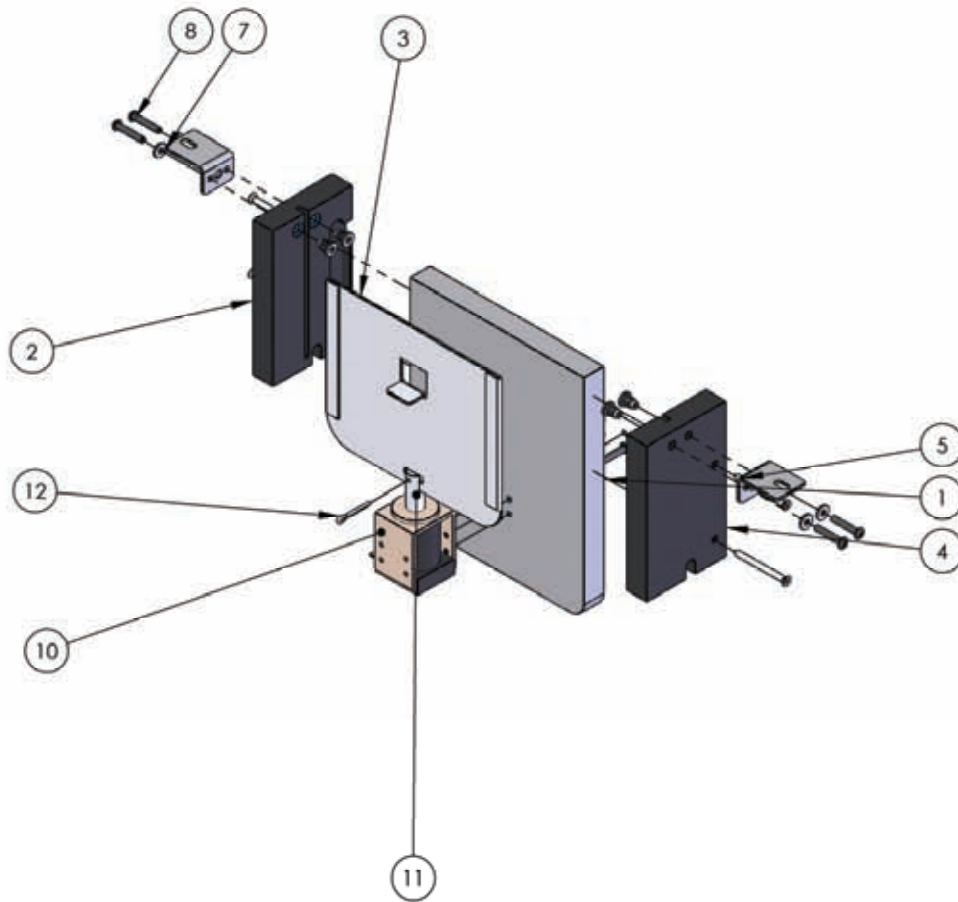
Store electronic assemblies in an anti-static area. Use anti-static bags to store or transport the game circuit boards.

Don't remove or connect electronic assemblies when cabinet power is on. Otherwise, you'll damage electronic assemblies and void the game's warranty.

After you complete maintenance or service, replace ground wires, shields, safety covers and install and tighten ground and mounting screws.

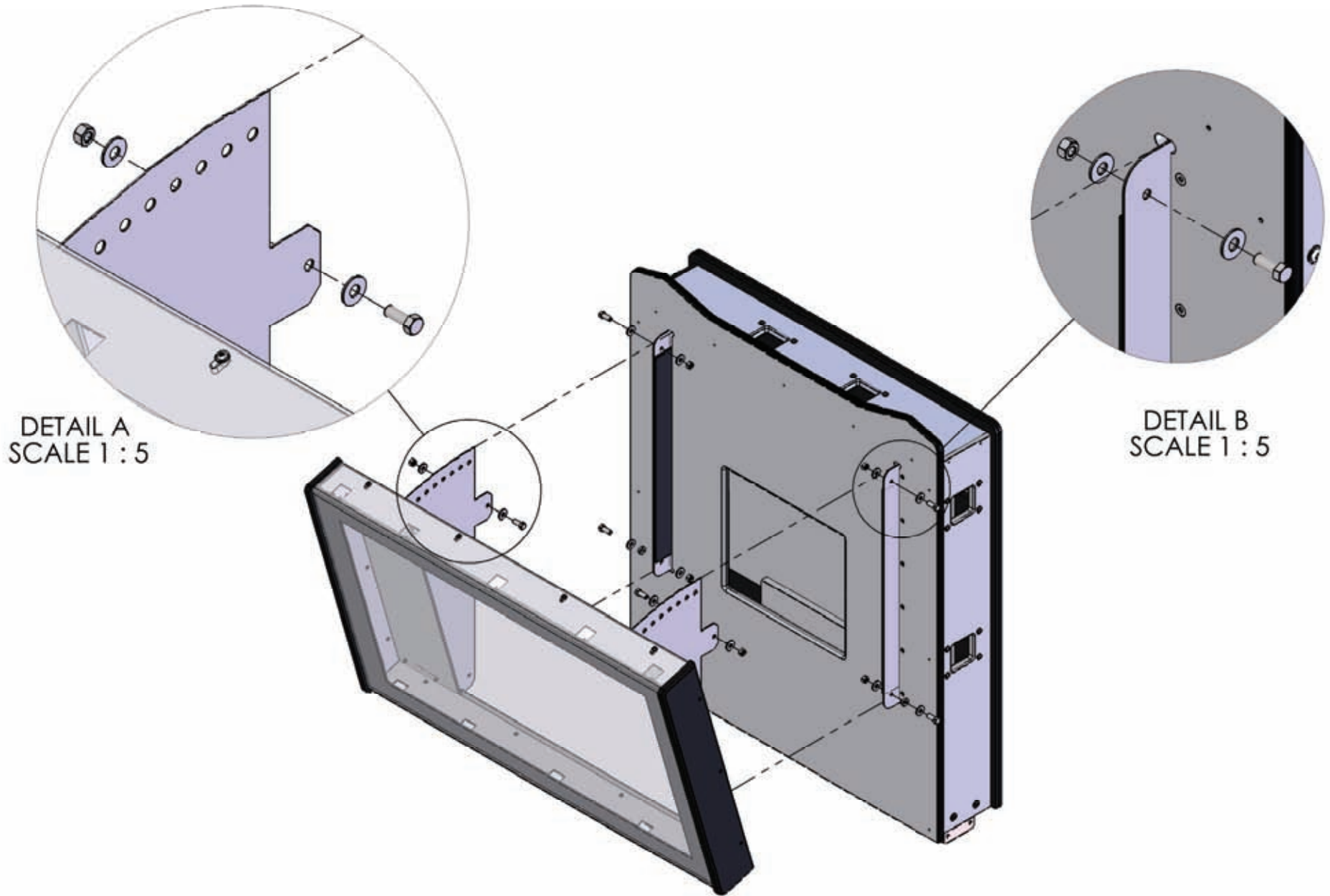
Ball Gate Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PH3093	MOTOR MOUNT	1
2	PH3080	BALL GATE RAIL LEFT	1
3	PH1027	BALL GATE	1
4	PH3081	BALL GATE RAIL LEFT	1
5	BC1020	BRACKET (WAGON STOP)	2
6	6061	8-32 CAB INSERT (J-50111)	4
7	6240	#8 USS WASHER (BLACK)	8
8	6238	BHCS, #8-32 x 1" LG. (BLACK OXIDE)	8
9	PC60624	#8 x 2 PARTICAL BOARD SCREW(4000)	4
10	CL2011	SOLENOID (GUARDIAN 4HD-C-12D)	1
11	CL2011-B	SOLENOID PLUNGER	1
12	6122	COTTER PIN 3/32 x 3/4	1

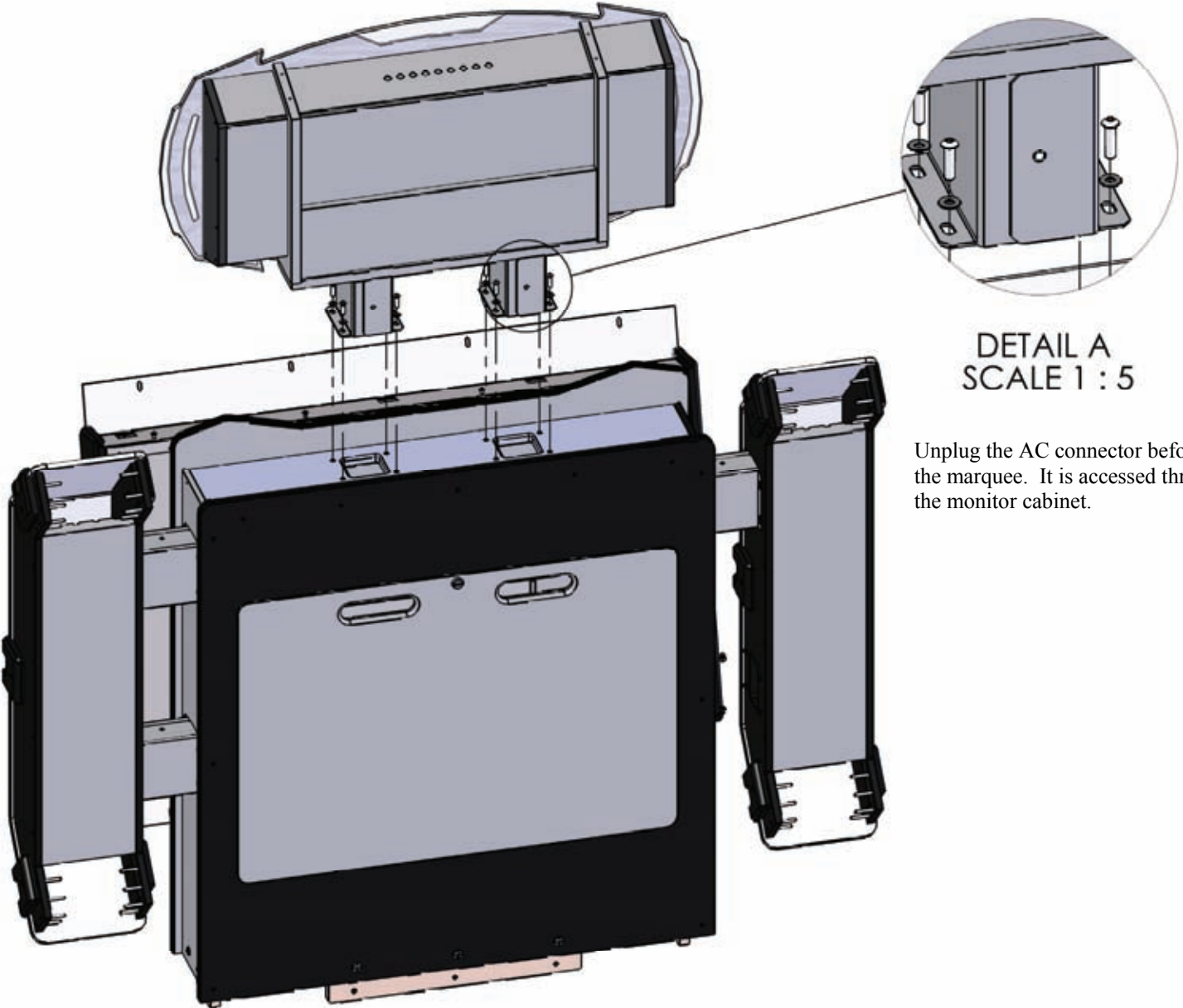


Monitor Removal

21



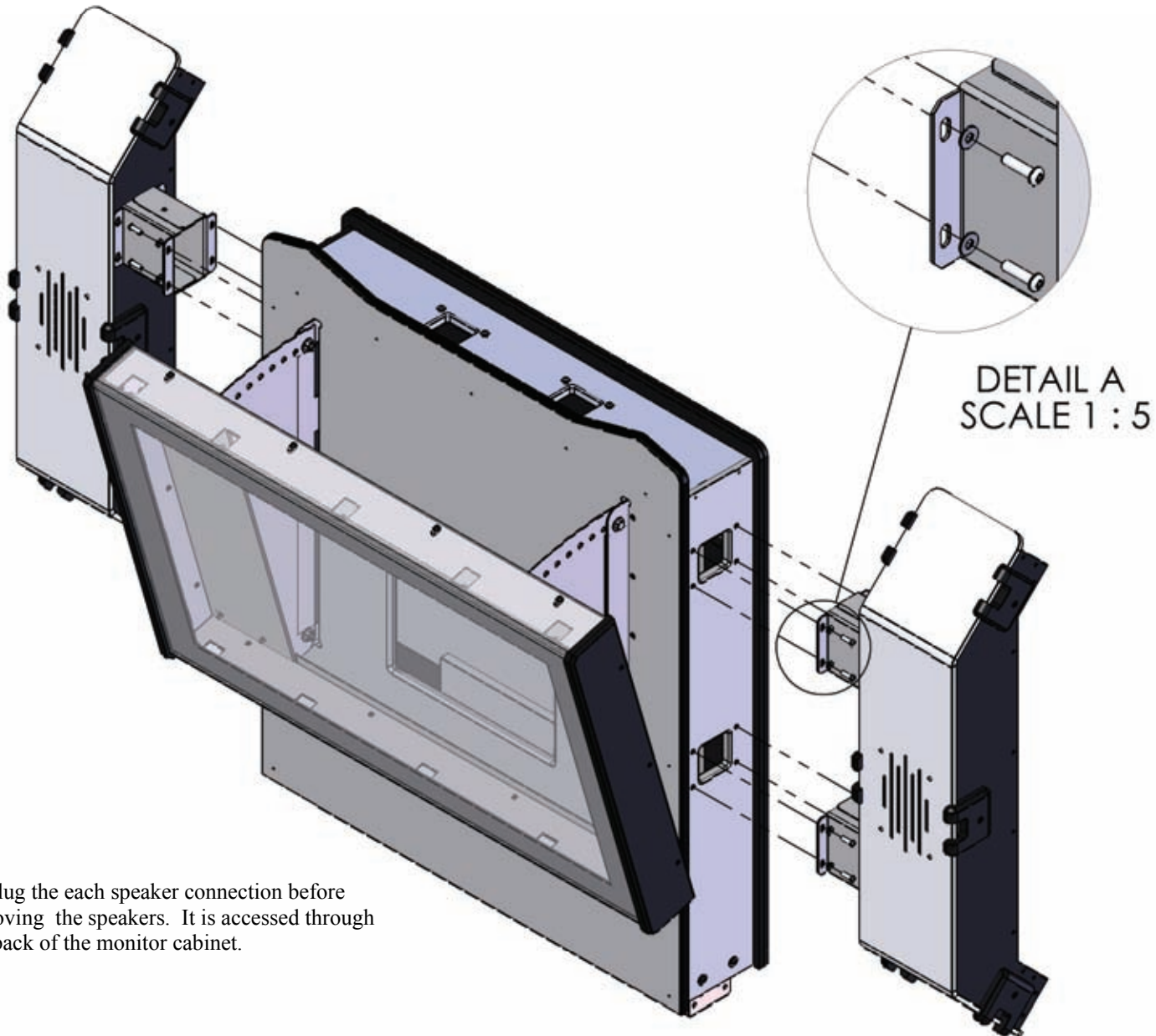
Marquee Removal



DETAIL A
SCALE 1 : 5

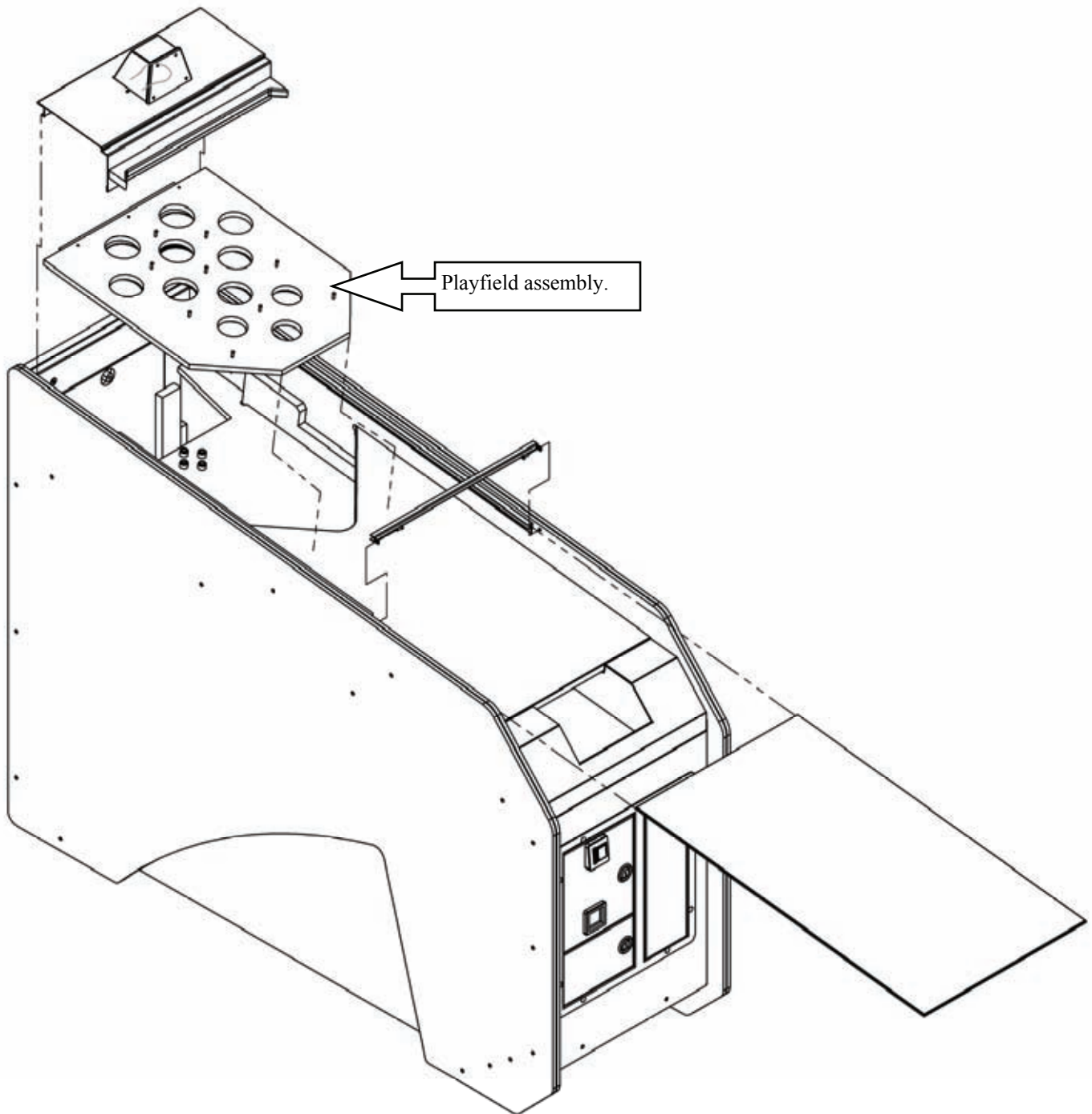
Unplug the AC connector before disassembling the marquee. It is accessed through the back of the monitor cabinet.

Speaker Removal

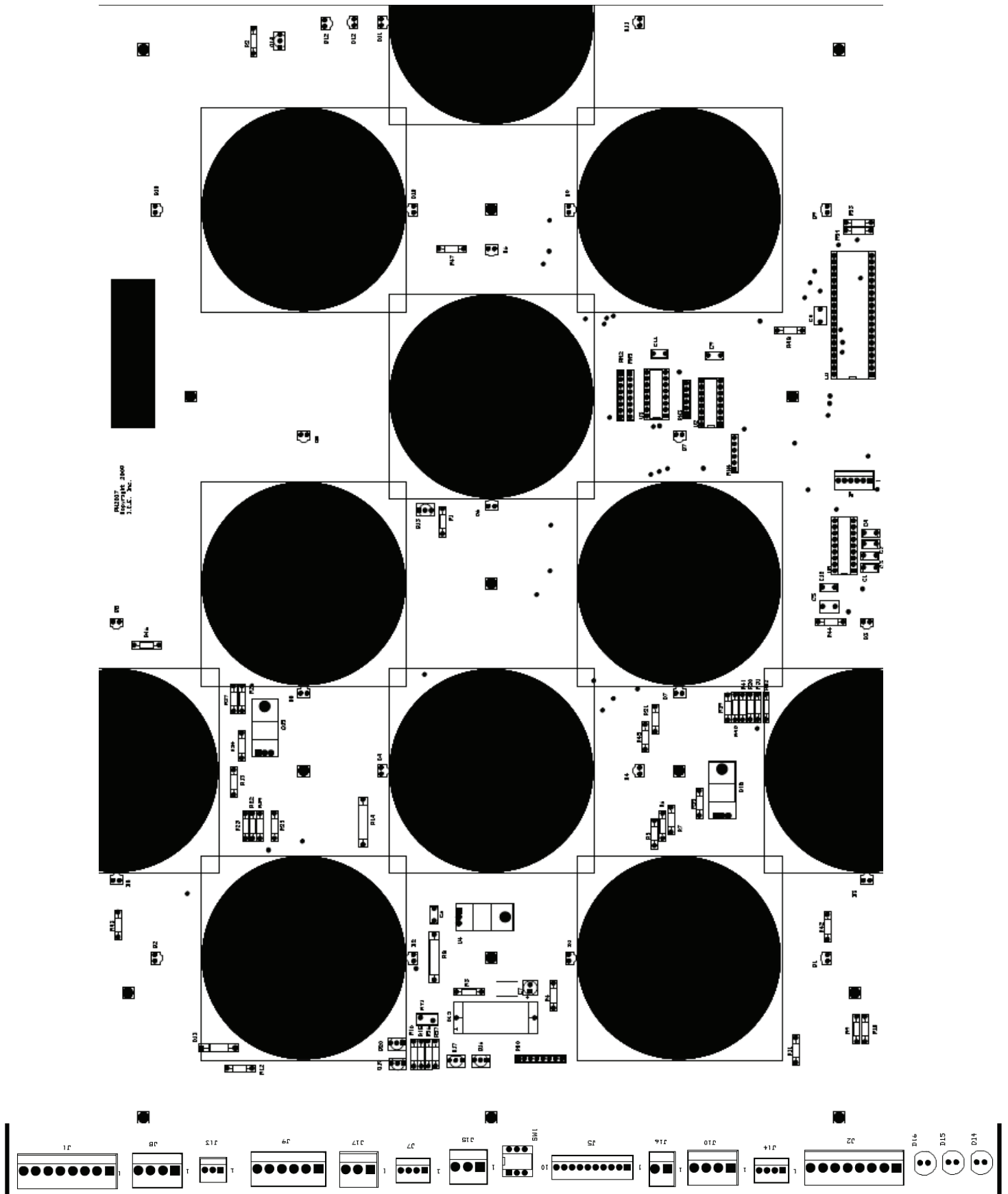


Unplug the each speaker connection before removing the speakers. It is accessed through the back of the monitor cabinet.

Station Cabinet Assembly

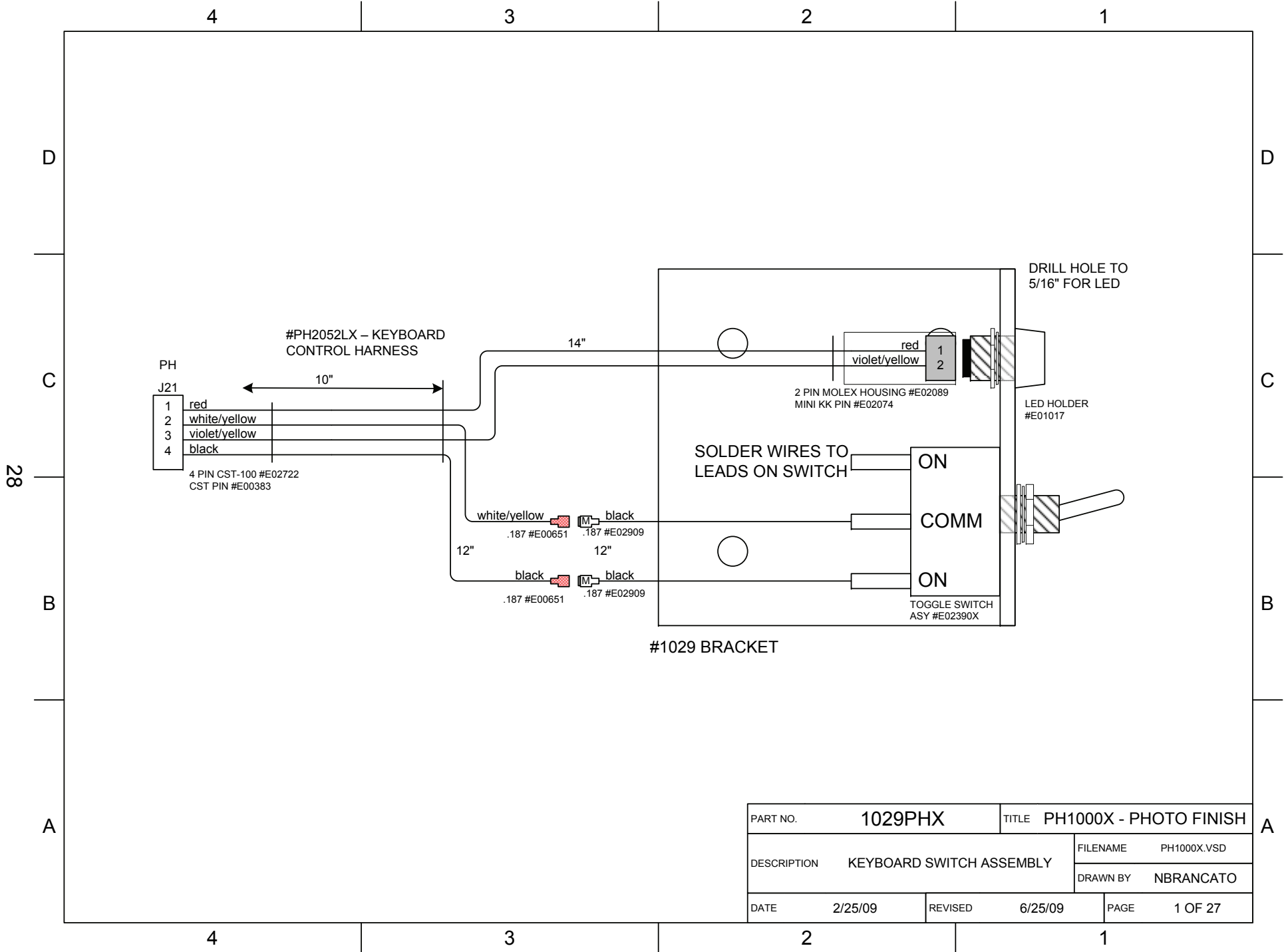


I/O Board Layout



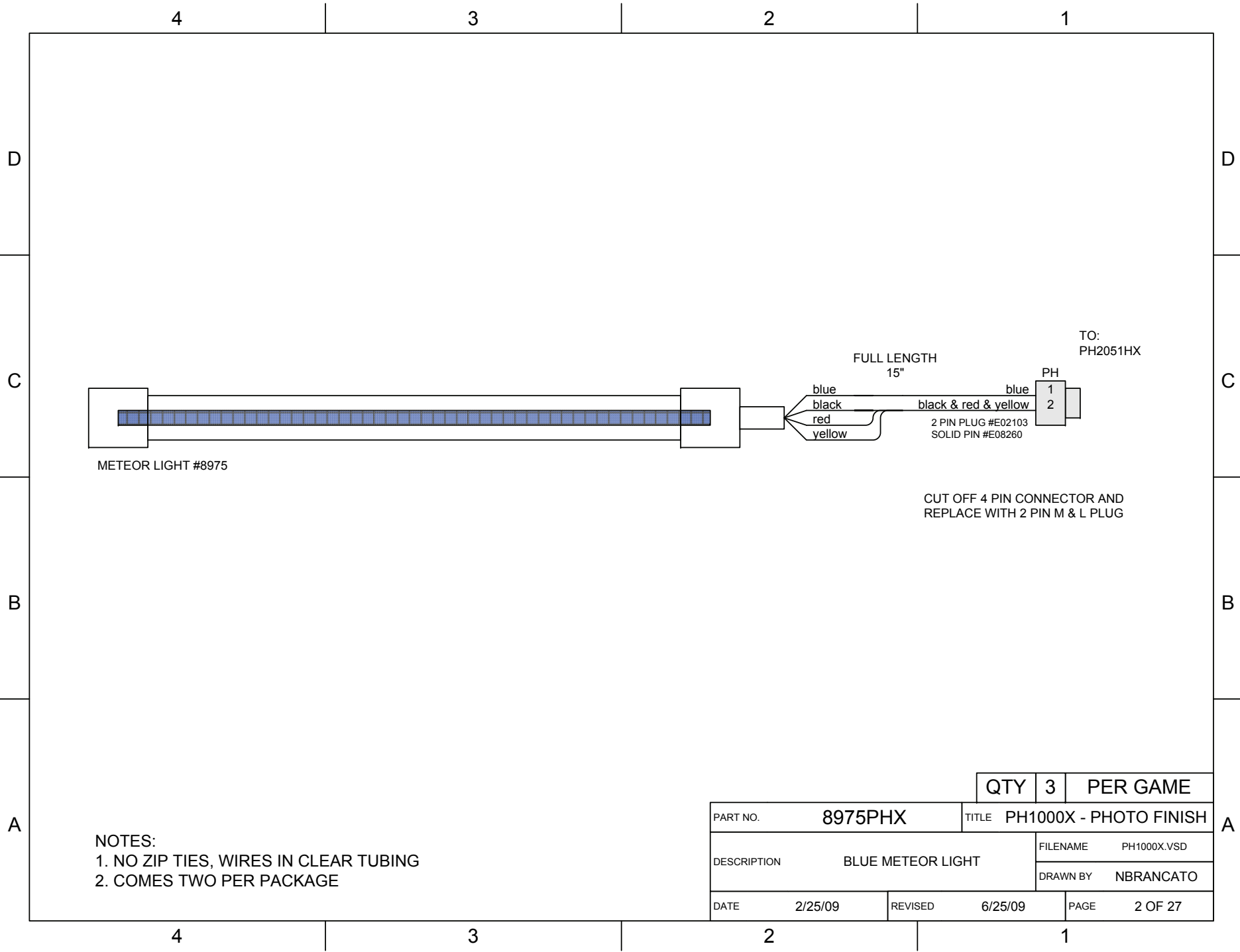
Spare Parts

EV2009	Audio Amp
8975PHX	Assembly Blue Meteor Light
CL2011	Solenoid
E00211	Low ticket switch
HH5005	Ticket Dispenser (Entropy)
PH1027	Ball gate
PH2032X	RGB LED Pcb
PH2037X	Ball Sensor PCBA
PH2037B	Call Sensor PCBB
PH7003	Playfield
PH7031	Decal Tickets
RR1024	Double ticket bin
MON47EST	47" LCD Monitor
PH2000	Computer
PH2034X	PCBA Main I/O
PH2034B	PCBB Main I/O
E00038	Fuse 4 amp
E00382	Bulb CF 27W
PH7035	Front decal
PH7040	Decal Podium number 1
PH7041	Decal Podium number 2
PH7042	Decal Podium number 3
PH7050	Decal Podium side left
PH7051	Decal Podium side right
PH9001	Service Manual



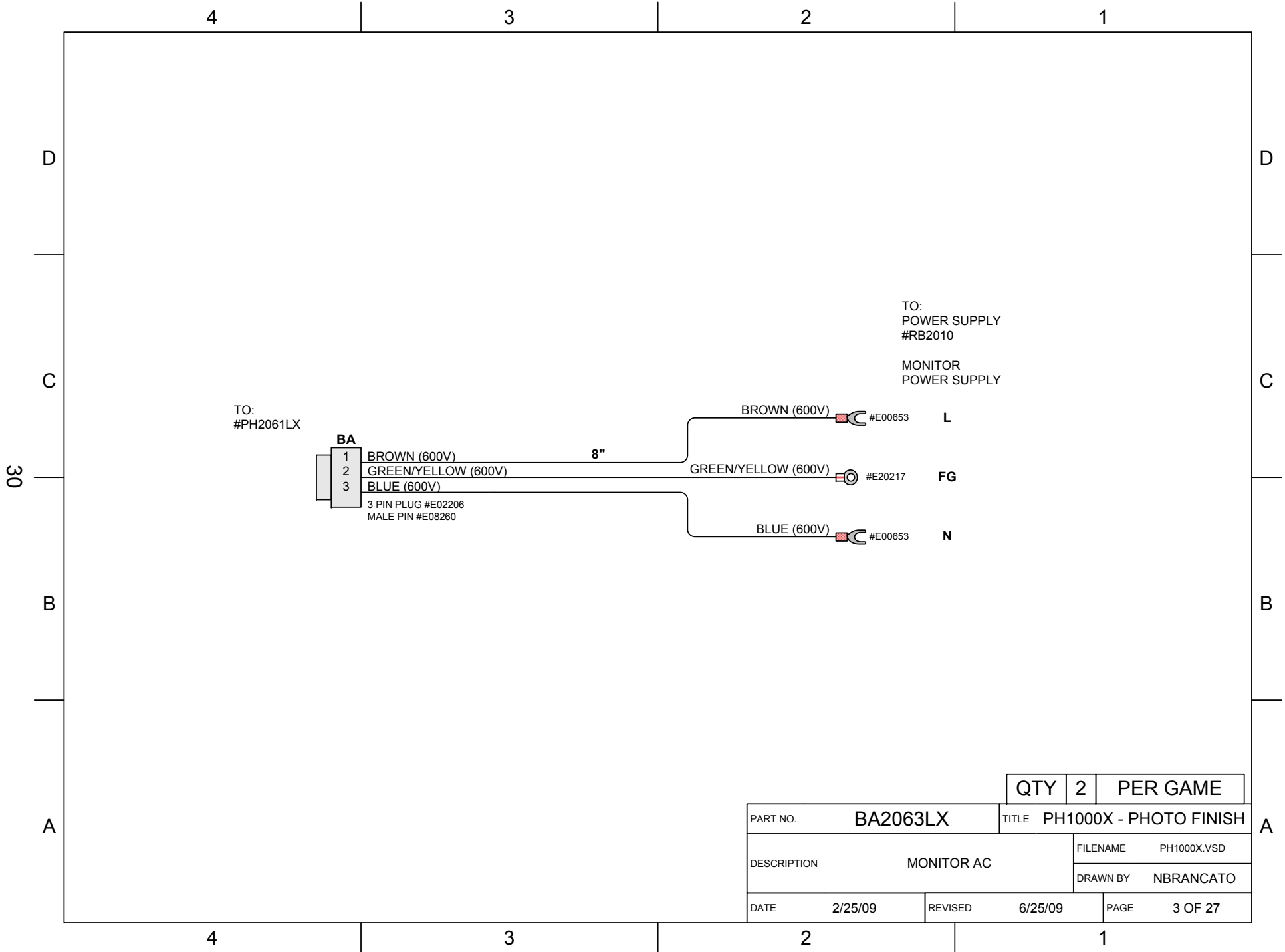
PART NO.	1029PHX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	KEYBOARD SWITCH ASSEMBLY	FILENAME	PH1000X.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	1 OF 27

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- NOTES:
 1. NO ZIP TIES, WIRES IN CLEAR TUBING
 2. COMES TWO PER PACKAGE

PART NO. 8975PHX		TITLE PH1000X - PHOTO FINISH	
DESCRIPTION BLUE METEOR LIGHT		FILENAME PH1000X.VSD	
DATE 2/25/09		REVISED 6/25/09	PAGE 2 OF 27
QTY 3		PER GAME	
DRAWN BY NBRANCATO			



TO:
#PH2061LX

BA
1 BROWN (600V)
2 GREEN/YELLOW (600V)
3 BLUE (600V)
3 PIN PLUG #E02206
MALE PIN #E08260

8"

BROWN (600V) #E00653 L

GREEN/YELLOW (600V) #E20217 FG

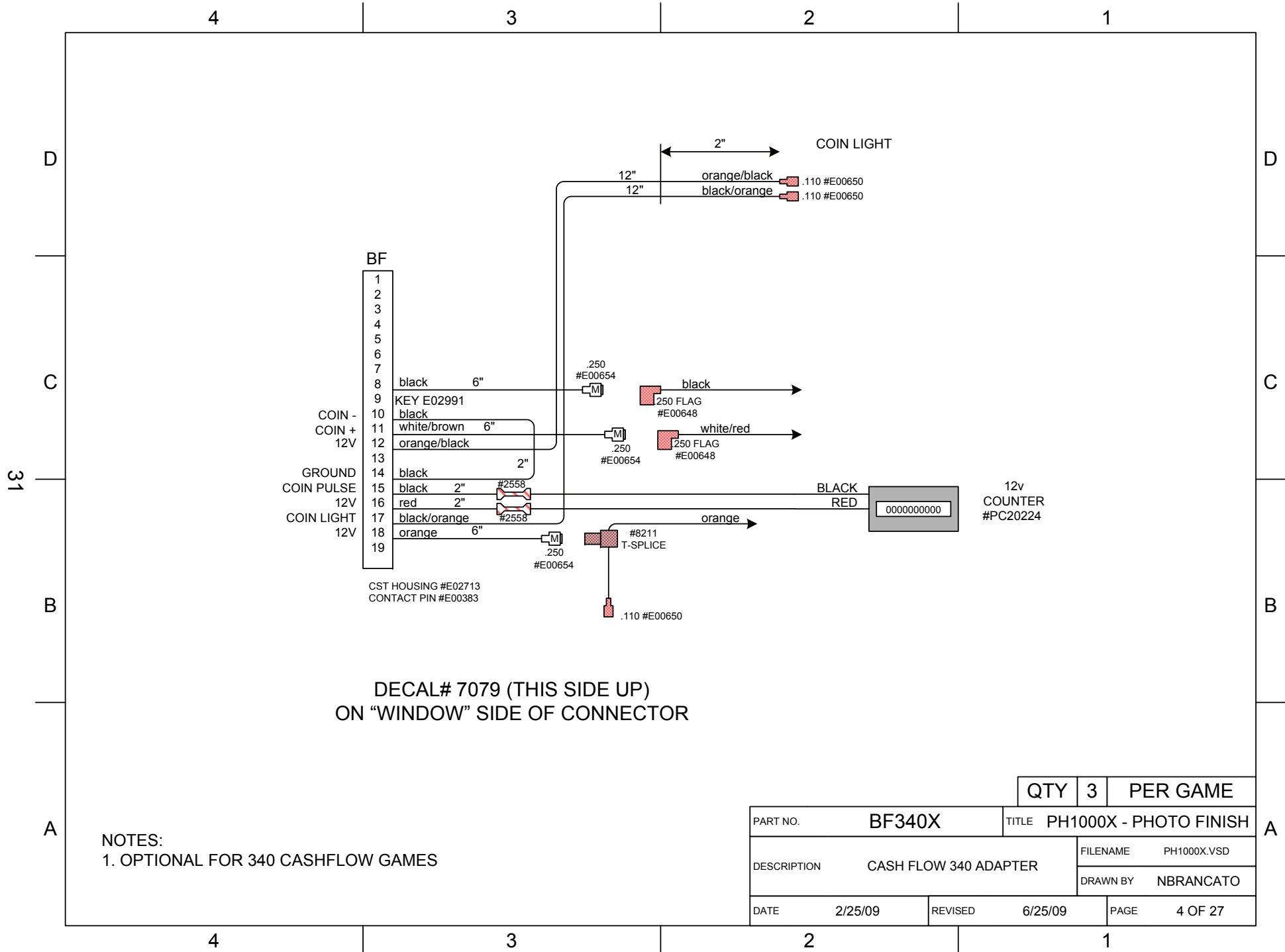
BLUE (600V) #E00653 N

TO:
POWER SUPPLY
#RB2010

MONITOR
POWER SUPPLY

QTY	2	PER GAME
-----	---	----------

PART NO.	BA2063LX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	MONITOR AC		FILENAME PH1000X.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	3 OF 27



DECAL# 7079 (THIS SIDE UP)
ON "WINDOW" SIDE OF CONNECTOR

NOTES:
1. OPTIONAL FOR 340 CASHFLOW GAMES

PART NO. BF340X		TITLE PH1000X - PHOTO FINISH	
DESCRIPTION CASH FLOW 340 ADAPTER		FILENAME PH1000X.VSD	
DATE 2/25/09		REVISED 6/25/09	PAGE 4 OF 27

QTY **3** PER GAME

DRAWN BY **NBRANCATO**

4

3

2

1

D

D

**Cut wires on LED strip to 18"
add zip tie for strain relief**

TO:
#PH2037X

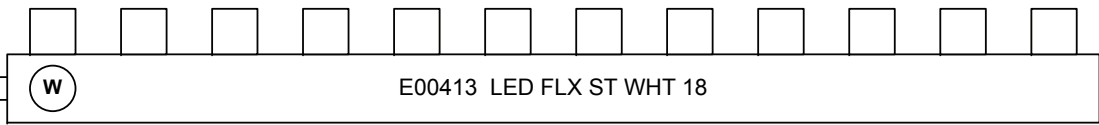
PH

J16

+12VDC
Station Lite

1 red
2 black

18"



2 PIN AMP HOUSING #E02240
CONTACT PIN #E02201

DECAL #FR7033 (x1)

**SETTING A7 ON PIN
MACHINE**

C

C

32

B

B

A

A

QTY 3 PER GAME

PART NO.	E00413PHX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	WHITE LED FLEX STRIP	FILENAME	E00413PHX.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	5 OF 27

4

3

2

1

4

3

2

1

D

D

TO:
#PH2085MX

LED POWER
HARNESS #PE2063LX



2 PIN PLUG #E02103
SOLID PIN #E02100S

8"

E00414 LED TAPE ST BLU

STRIP IS 20 CUT LENGTHS LONG

BLUE DOT
(x1) #7901

33

C

B

B

A

A

NOTES:
1. GOES TO FLOOR

QTY	4	PER GAME
-----	---	----------

PART NO.	E00414PHX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	60 BLUE LED TAPE STRIP		FILENAME E00413PHX.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	6 OF 27

4

3

2

1

4

3

2

1

D

D

TO:
#PH2085MX

LED POWER
HARNESS #PE2063LX

PH

1
2

red
black

8"

2 PIN PLUG #E02103
SOLID PIN #E02100S

E00459 LED TAPE ST GRN

GREEN DOT
(x1) #7903

STRIP IS 20 CUT LENGTHS LONG

C

C

34

B

B

A

A

NOTES:
1. GOES TO FLOOR

QTY	4	PER GAME
-----	---	----------

PART NO.	E00459PHX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	60 GREEN LED TAPE STRIP		FILENAME E00413PHX.VSD
			DRAWN BY NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	7 OF 27

4

3

2

1

4

3

2

1

D

D

C

C

35

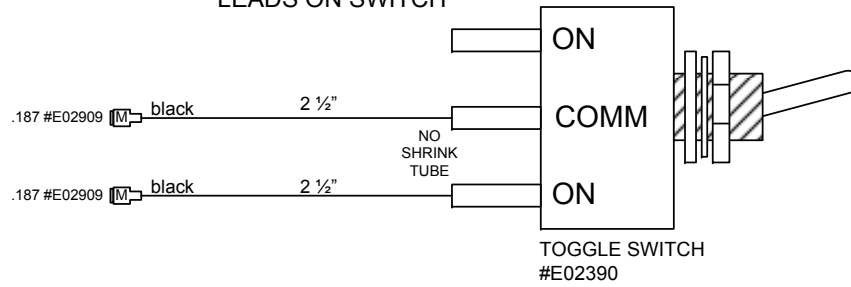
B

B

A

A

SOLDER WIRES TO
LEADS ON SWITCH



NOTES:
1. PART OF 1029PHX

PART NO.	E02390X	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	TOGGLE SWITCH ASSEMBLY		FILENAME E00413PHX.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	8 OF 27

4

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4 3 2 1

D

D

C

C

B

B

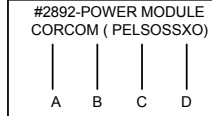
A

A

36

#PH2007X-POWER MODULE ASY

#E02295 - FUSE 6 AMP 250V (MDA - 6)



6 AMP FUSE

BROWN

GREEN/YELLOW x 2

GREEN/YELLOW 3"

BLUE

.187 #E00651

DECAL #7086
6 AMP
250V

DECAL #7077

TIME DELAY FUSE

#SX2055X-POWER MODULE HARNESS

10"

BROWN x 2

GREEN/YELLOW x 2

BLUE x 2

3 PIN CAP #E02288
FEMALE #E02013

TO:
PH2061X

15"

BROWN x 2

GREEN/YELLOW x 2

BLUE x 2

3 PIN CAP #E02288
FEMALE #E02013

TO:
PH2062X

6"

BROWN

GREEN/YELLOW

BLUE

3 PIN CAP #E02288
FEMALE #E08259

TO:
PH2063X

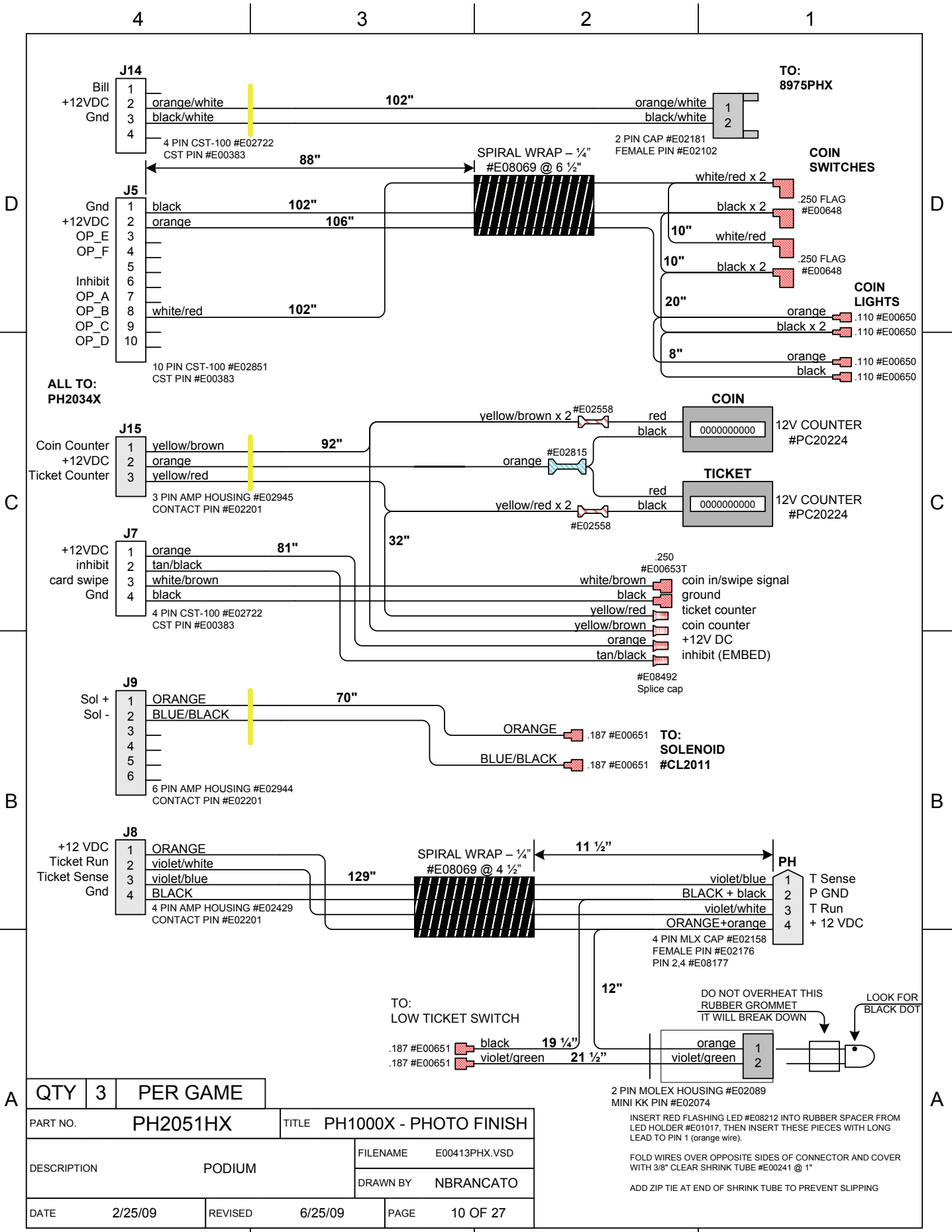
ALL WIRE IS 600V

#8872 BROWN
#2844 GREEN
#8871 BLUE

IN A 220V GAME:
REMOVE 6 AMP FUSE AND
REPLACE WITH 3 AMP MDA FUSE
#E02315

PART NO.	PH2007X	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	6 AMP POWER MOD ASSEMBLY WITH SX2055X HARNESS		FILENAME E00413PHX.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	9 OF 27

4 3 2 1



QTY	3	PER GAME	
PART NO.	PH2051HX		TITLE PH1000X - PHOTO FINISH
DESCRIPTION	PODIUM		FILENAME E00413PHX.VSD
			DRAWN BY NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	10 OF 27

4

3

2

1

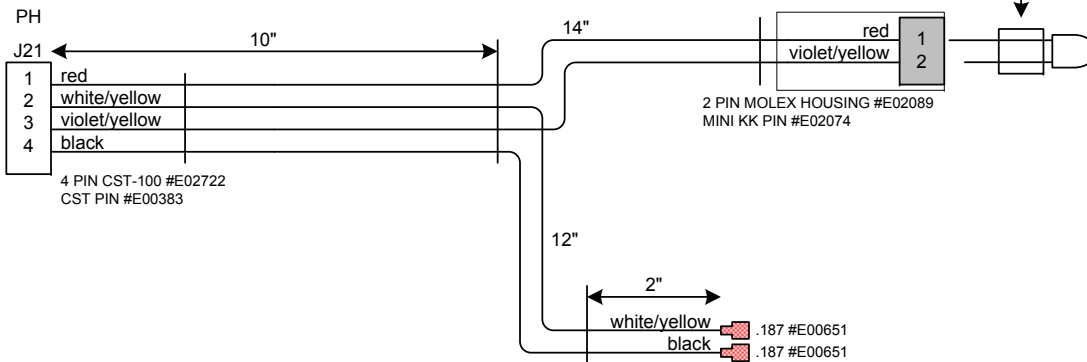
INSERT **RED LED #E20429 (NON-FLASHING)** INTO RUBBER SPACER FROM LED HOLDER #E01017, THEN INSERT THESE PIECES WITH LONG LEAD TO PIN 1 (red wire).

FOLD WIRES OVER OPPOSITE SIDES OF CONNECTOR AND COVER WITH 3/8" CLEAR SHRINK TUBE #E00241 @ 1"

ADD ZIP TIE AT END OF SHRINK TUBE TO PREVENT SLIPPING

ATTACH LED HOLDER TO HARNESS WITH ZIP TIE

TO:
PH2034X



TO:
E02390X

NOTES:
1. GOES TO CRITICAL
2. USED IN 1029PHX

PART NO.	PH2052LX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	KEYBOARD CONTROL		FILENAME E00413PHX.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	11 OF 27

4

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38

D

C

B

A

D

C

B

A

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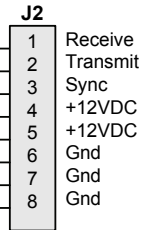
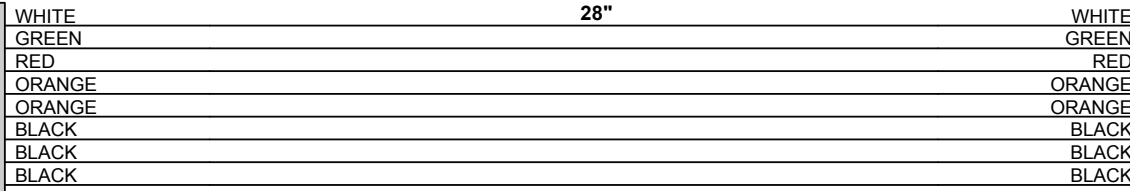
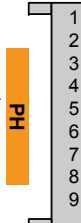
TO:
#PH2080LX

TO:
I/O PCB
#PH2034X

C

C

ORANGE DECAL
#PH7070 (x2)



8 PIN AMP HOUSING #E02405
CONTACT PIN #E02201

9 PIN CAP #E02551
FEMALE PIN #E02102

39

B

B

A

A

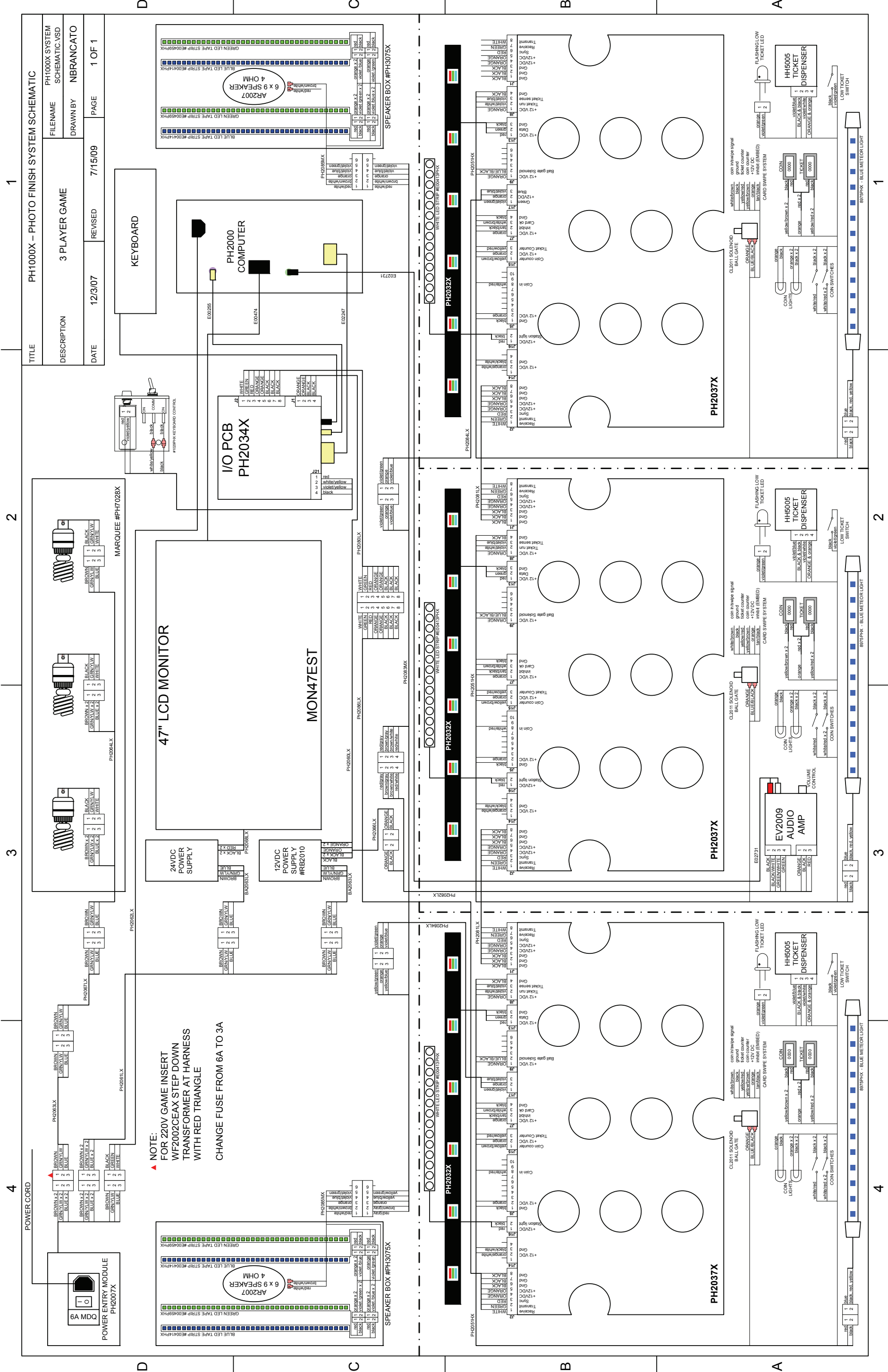
PART NO.	PH2086LX	TITLE	PH1000X - PHOTO FINISH
DESCRIPTION	STATION COMMUNICATION	FILENAME	E00413PHX.VSD
		DRAWN BY	NBRANCATO
DATE	2/25/09	REVISED	6/25/09
		PAGE	27 OF 27

4

3

2

1



TITLE PH1000X - PHOTO FINISH SYSTEM SCHEMATIC

DESCRIPTION 3 PLAYER GAME

DATE 12/3/07 **REVISED** 7/15/09 **PAGE** 1 OF 1

FILENAME PH1000X SYSTEM SCHEMATIC.VSD

DRAWN BY NBRANCATO

KEYBOARD

PH2000 COMPUTER

I/O PCB PH2034X

MON47EST

24VDC POWER SUPPLY

12VDC POWER SUPPLY #RB2010

SPEAKER BOX #PH3075X

6 x 9 SPEAKER AR207

4 OHM

PH2037X

PH2037X

PH2037X

PH2037X

PH2009X

PH2009X

PH2009X

PH2009X

PH2009X

PH2009X

PH2009X

PH2009X

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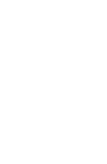
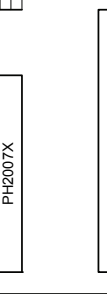
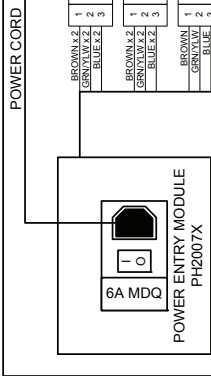
PH2009X

PH2009X

PH2009X

PH2009X

NOTE:
FOR 220V GAME INSERT
WF2002CEAX STEP DOWN
TRANSFORMER AT HARNESS
WITH RED TRIANGLE
CHANGE FUSE FROM 6A TO 3A





Contacts at SEGA

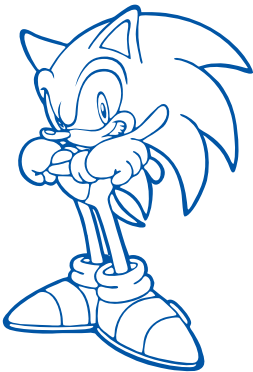
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