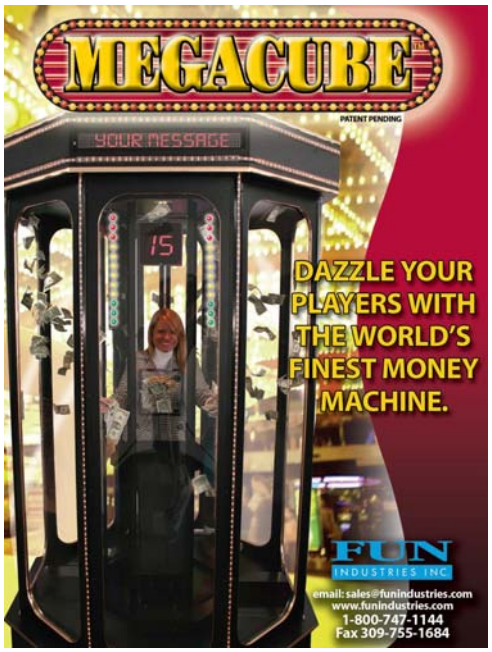
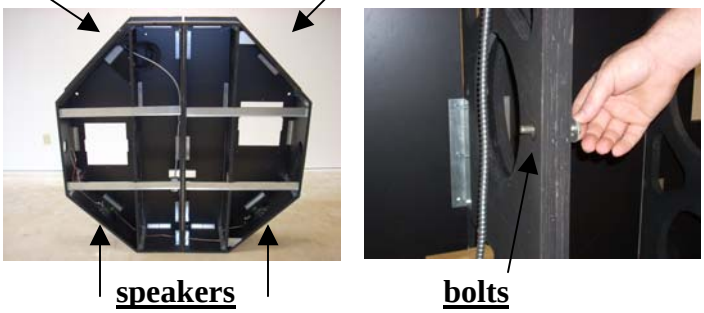
FUN INDUSTRIES MEGACUBE ASSEMBLY INSTRUCTIONS



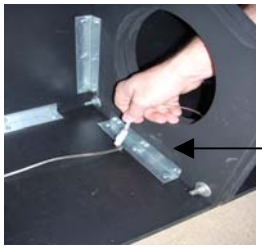
Use the following pages to successfully assemble your new Megacube money machine. This machine will require two or three people for many aspects of the assembly process and take three to four hours to complete. Pay close attention to each step of these instructions as to avoid disassembly to correct any mistakes.

1. **The Megacube cannot be moved when fully assembled.** Try doing the assembly as close to the desired location as possible. Electrical supply connections may be done from the bottom or top of the machine and need to be in place prior to assembly. Final wiring will be addressed later in the assembly process.

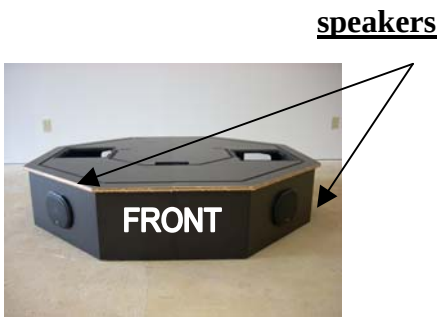
2. Stand base pieces (B1) & (B2) on their edge with the speakers facing downward and bolt together using 6 bolts (AA), 12 washers (BB), and 6 nuts (CC). While tightening the bolts, make sure that the top of the pieces are flush with each other.



3. While the machine is resting on its side, plug the speaker connectors (SP1) together and **check the connections at each speaker** as it will be much more difficult to check them after the machine is assembled.

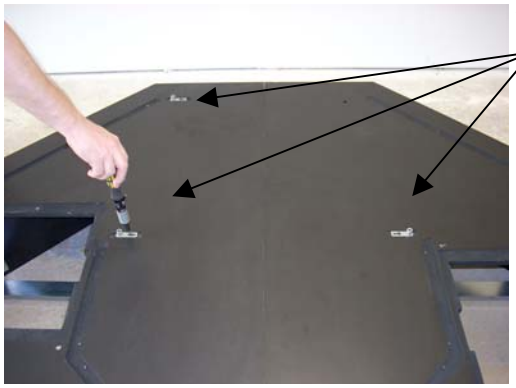


4. Lay the base down in the exact position you desire the fully assembled machine to sit. The machine is very heavy once assembled thus making it nearly impossible to move without disassembly. Note that the speakers on the base face forward and determine the front of the assembled machine.



***MAKE SURE THAT NO LOOSE DEBRIS IS TRAPPED UNDER THE BASE THAT MAY BECOME DRAWN INTO THE BLOWERS AND AFFECT PERFORMANCE!**

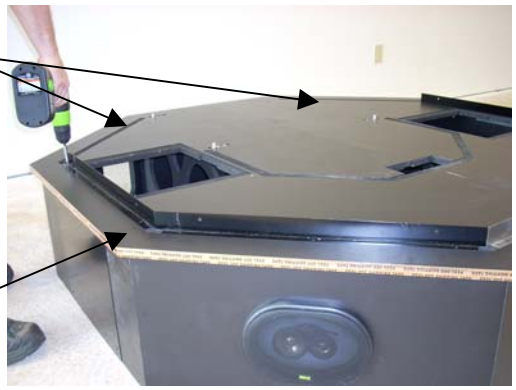
5. Attach 3 door pin bushings (DB) to the base as shown with 3 (EE) screws. The bushings should point to the outside of the base. Do not fully tighten the screws at this time as they will need to slide when hanging your doors.



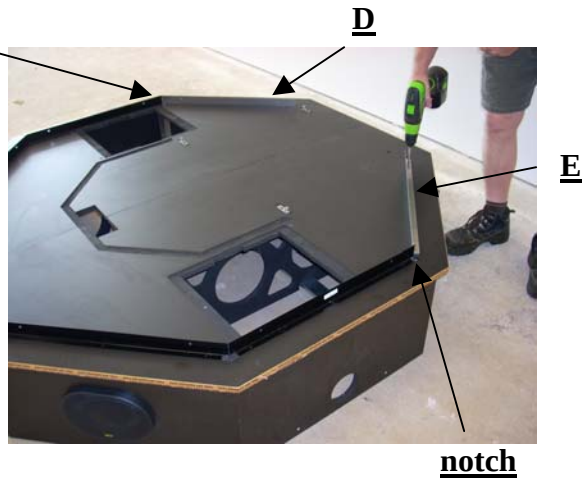
6. Attach 1 outside front half-angle (A) to the predrilled holes in the outer channel routed in the base with 2 flat head screws (FF). This angle goes on the left side as shown with the notch towards the left as well. *All outside angles are placed with the vertical leg of the angle towards the center of the base.*

7. Attach 1 outside front half-angle (B) to the right side of the slot as shown with 2 screws (FF). Always keep the vertical leg of the outside angles towards the center of the base. All outside angles except the rear two have a notch at each end that meets the next angle at the 45 degree bend.

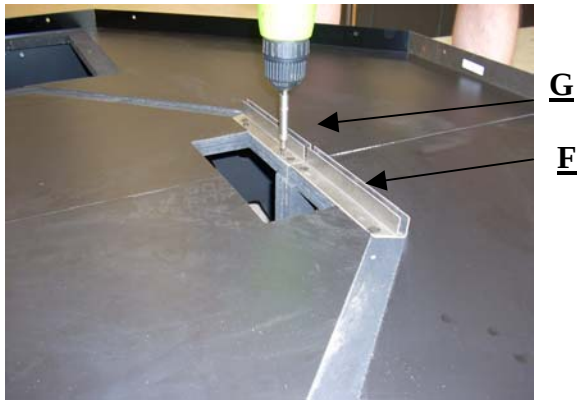
8. Attach 4 full length outside angles (C) to the base as shown using 3 screws (FF) each. The notch at the end of each angle should touch the notch on the previous angle. Do not fasten these angles to the rear two slots.



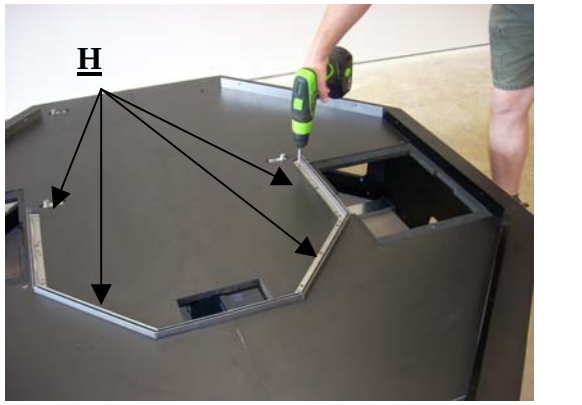
9. Attach 1 rear left angle (D) as shown with 3 (FF) screws to the predrilled holes in the outer slot. The notch on the angle should meet the notch on the adjacent angle. There is not a notch towards the rear of the base. Repeat this process for the right side with angle (E).



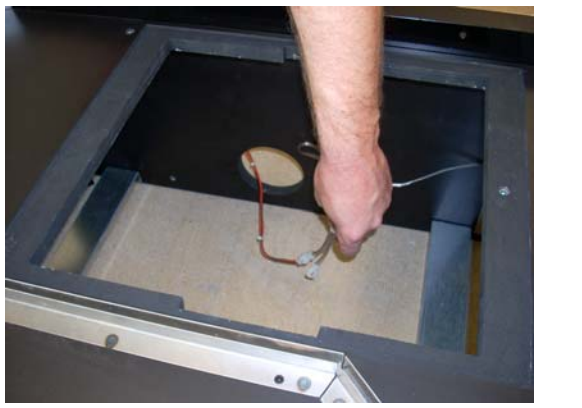
10. Attach inside half "f" angle (F) to the predrilled holes in the left side inner slot and (G) to the right side using 2 (FF) screws in each angle as shown. The vertical leg of the "f" angle will be towards the outside of the base and will only line up with the predrilled holes when in the correct position.



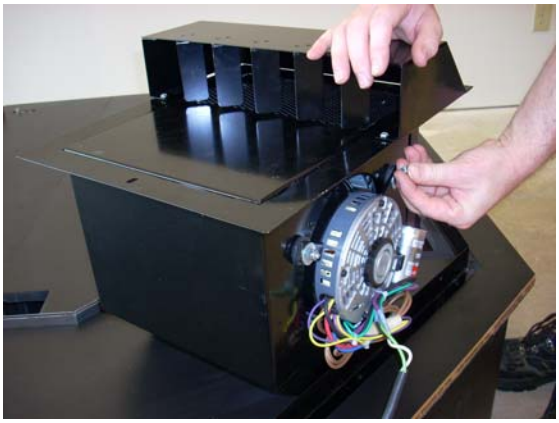
11. Attach 4 "f" angles (H) to the remaining inner slots on the base with 2 (FF) screws in each angle. All angles should meet each other at the 45 degree intersection.



12. Reach down into the right side blower hole and untie the speaker cable leads from the wall. Route the leads outside the hole in the base for future assembly of the audio/control cabinet. *Note: The audio/control panel can be mounted on the opposite side of the base although you will have to reroute the speaker harness in the opposite direction and move the base cover plate to the other side.*

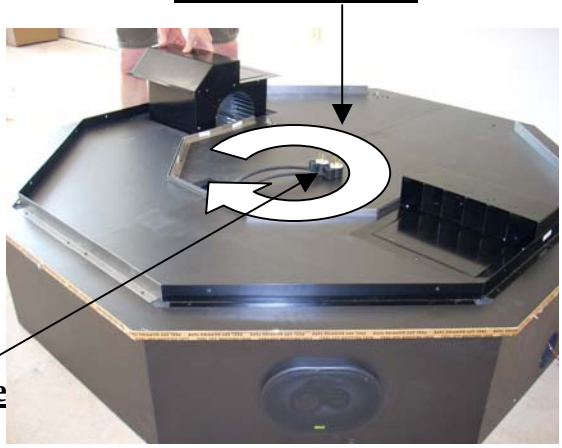


13. Assemble the blower deflectors (BD) to each blower as shown using 4 screws (GG) and 4 nuts (HH). Be sure to position the deflector over the screened outlet of the blower as shown. The vanes on the deflector should point **away** from the motor side of the blower. Completely tighten these fasteners.



clockwise air flow

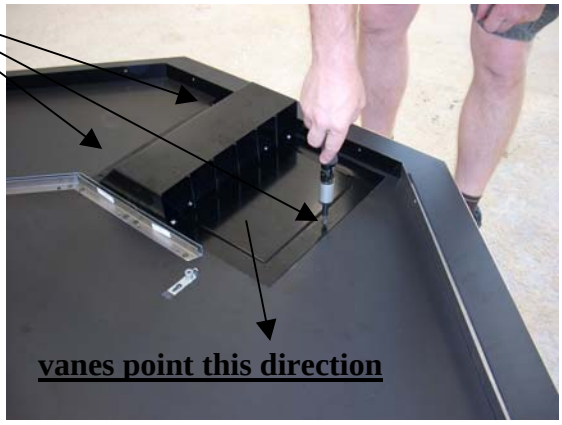
14. Prepare to set the blowers in place with the motor side of the blower to the **outside** of the base. Before inserting the blowers into the base, route the blower cords through the base cavity and up through the rectangles cut out in the floor as shown. When the blowers and deflectors are assembled correctly, air will be circulated in clockwise direction.



leave blower plugs here

mounting holes

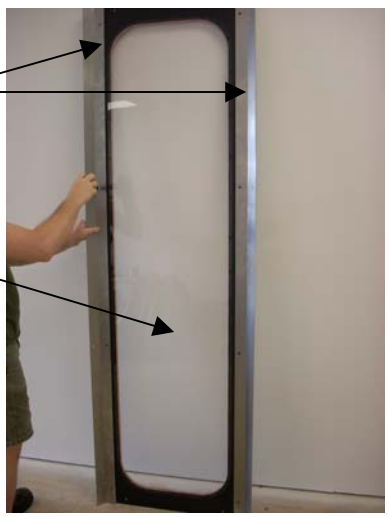
15. Attach the blowers to the base using 3 (DD) screws in the outside flange of each blower and deflector. Completely tighten these fasteners.



vanes point this direction

16. Attach two inside wall angles (I) to one wall assembly (OW) using 8 screws (DD). The angles fit into the recessed slots of the wall and face reward as shown below. Do not tighten until later.

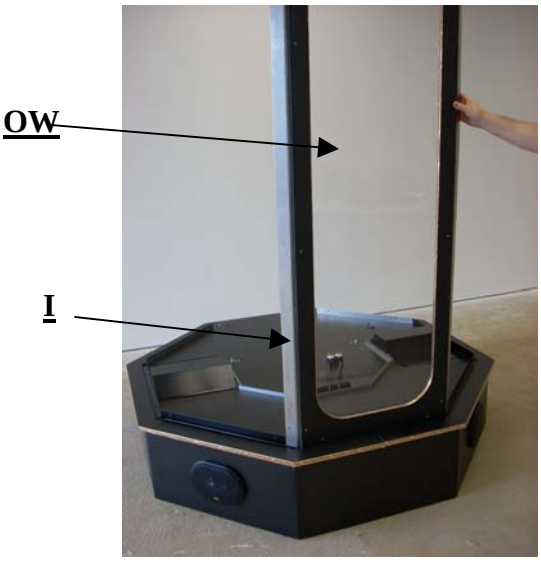
WALL



I

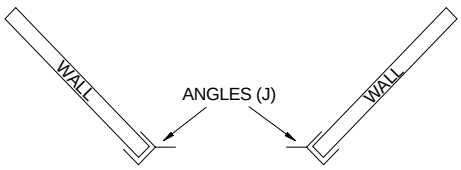
OW

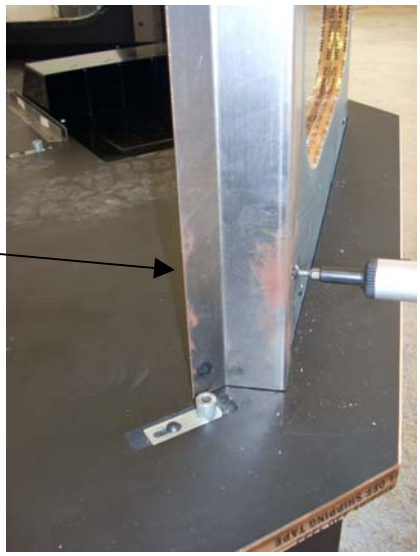
17. Place assembled wall with angles attached to the front center of the base unit in front of the base angle. The wall should drop into the outer slot on the base. While holding the wall, have an assistant stand and secure another wall (OW) to the angles at each side of the first wall with 4 (DD) screws. Do not tighten all screws until later.



18. Assemble the remaining (OW) walls around the base joining each with one angle (I) and (DD) screws leaving the rear space open for the door assembly later. Be sure to place the wall angles (I) between the base angles at the bottom and the wall. The last two walls (OW) at the rear will not have angles (I) attached to them as explained in the next step. Do not tighten screws until later. You should now have 7 walls (OW) standing, joined with angles (I) setting on the outside of the base angles as shown at the right.

19. Attach door opening angles (J) to each side of the rear door opening. <u>These angles must be installed properly. See the detail below.</u> Slide the angles onto the edge of each rear wall keeping them between the base angles and the wall. Secure each angle inside and out with 8 screws (DD).





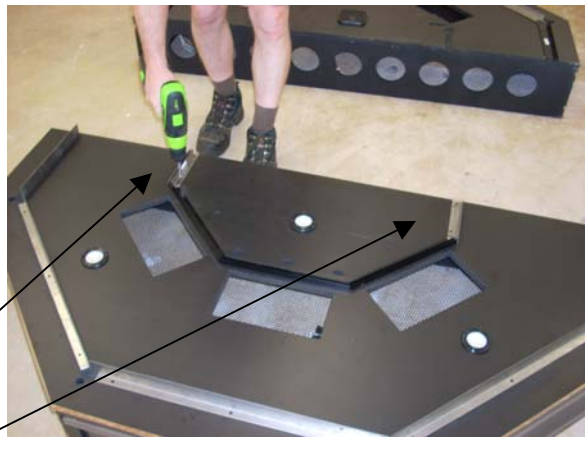
20. Attach all standing walls to the base angles around the inside perimeter with two (DD) screws in each wall section. Make sure the walls are well centered and fully in the base slots. Do not tighten the screws until later.

21. Locate and lay lid assembly (L1) on the floor upside down with the halogen lamps facing up. Attach three full length angles (C) inside the slots with screws (FF) in the same manner as the base was assembled with the vertical leg of the angles towards the center of the lid and the notched ends meeting each other at each 45 degree intersections.

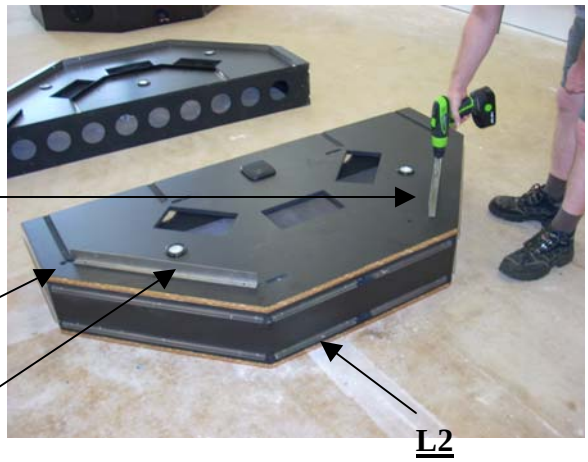
22. Attach half angles (A) & (B) to the slots in the lid assembly (L1) with screws (FF) as shown to the left with the notched end of the angle meeting the notched end of the full size angles.

23. Attach 3 “f” angles (H) to the inside slot of lid assembly (L1) with screws (FF). The vertical leg of each angle faces outward allowing the mounting holes to line up with the predrilled holes in the lid.

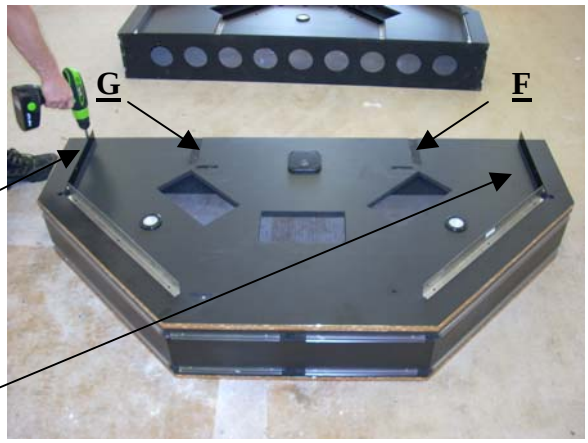
24. Attach half “f” angles (F) & (G) to the remaining slots on lid assembly (L1) with screws (FF) as shown to the right. This completes the angle assembly on lid (L1). This will be the front half of the lid and can now be carried to and placed near the machine for future assembly.



25. Attach angles (D) & (E) to the locations in the slot of lid assembly (L2) as shown with screws (FF). Keep the vertical leg of the angles toward the center of the lid and the notches at the end of the angles at the 45 degree intersections.



26. Attach half angles (A) & (B) to the remaining slots in lid (L2) with screws (FF). The notches at the end of each angle should contact the notches on the previously assembled angles at the 45 degree intersection. Also attach the two half “f” angles (F) & (G) with screws (FF) in the slots shown to the right with the vertical leg of the angles facing outward thus allowing the mounting holes to line up correctly. You may now carry this and place it near the machine for future assembly.



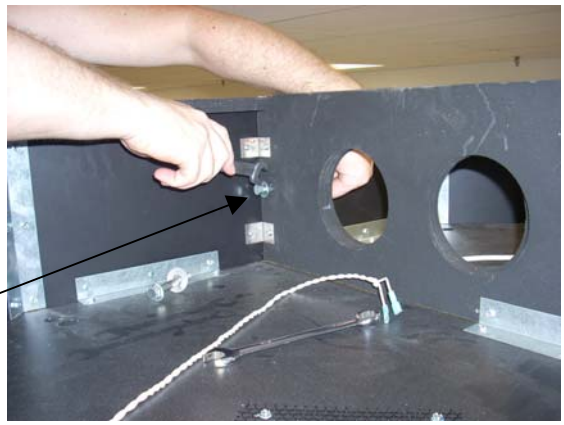
27. The next two parts will require a pair of step ladders, two people and possibly a third person on the floor. **Lid assemblies are heavy, use caution.** Lift front lid assembly (L1) carefully up into place. The lid assemblies will sit at 90 degree angles from the base assemblies. When in proper position, the computer message sign will face forward and the outer angles on the lid will set inside the walls.

28. Step inside the machine and fasten the front lid (L1) with two screws (DD) in the top of each wall panel. Do not tighten screws at this time.

29. Now with an assistant or two lift the rear lid assembly (L2) up and in to place at the rear of the machine. Make sure the lid angles are inside of the walls. Push it forward until it is flush against the front lid assembly. Step back inside the machine and fasten the rear lid to the walls with screws (DD) in the same manner as the front lid in step #28. Do not tighten screws at this time.

30. Using a ladder, bolt the two lid assembly sections (L1) & (L2) together with two bolts (AA), four washers (BB), and two nuts (CC) through the predrilled holes at each end of the center divider boards. Tighten these bolts securely.

bolt each side

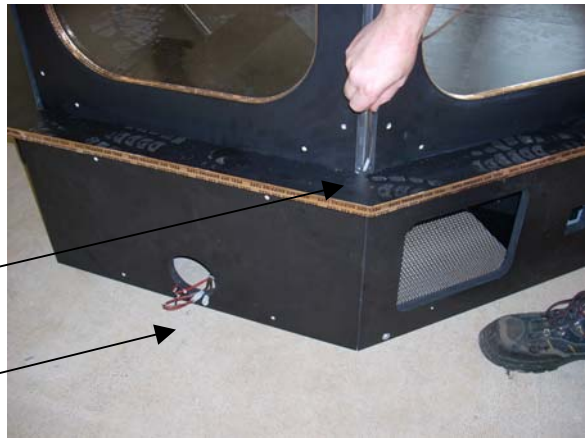


H1 leads

31. While still using a step ladder, locate and connect the halogen overhead lighting leads (H1) together through one of the round cut-outs in the center divider board.

32. Again, while still using your ladder, locate the speaker wire attach to the speaker in the rear lid and untie the leads. Route connector (SP2) to the hole drilled in the lid assembly labeled (speaker/conduit). It is located at the rear corner. An additional hole is drilled at the opposite side of the lid for alternate audio panel and wiring assembly. **Do not confuse this hole with the outer hole which is used for ropelighting.**

33. Route the speaker leads down inside the space between the two rear walls and insert the connector (SP2) into the hole drilled in the base. Route it over to the leads exposed in the side of the base panel and connect them together.

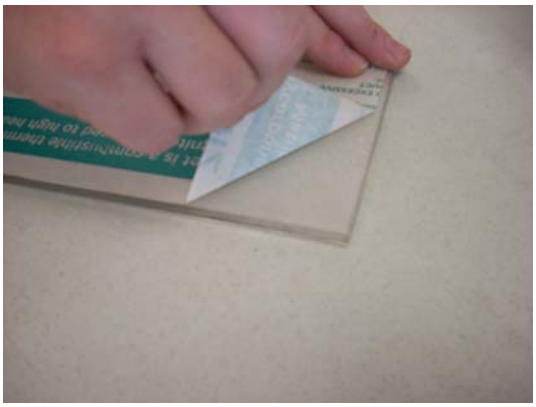


NOTE: If your 240 volt supply wiring is beneath your machine, skip the next step and go to #35.

34. If the 240 volt supply wiring for your machine is to be brought in from above, place the flexible conduit supplied (FC1) inside the same cavity between the rear walls that the speaker leads are located. Leave about 12 inches of conduit in the lid of the machine and insert the remaining length into the base.

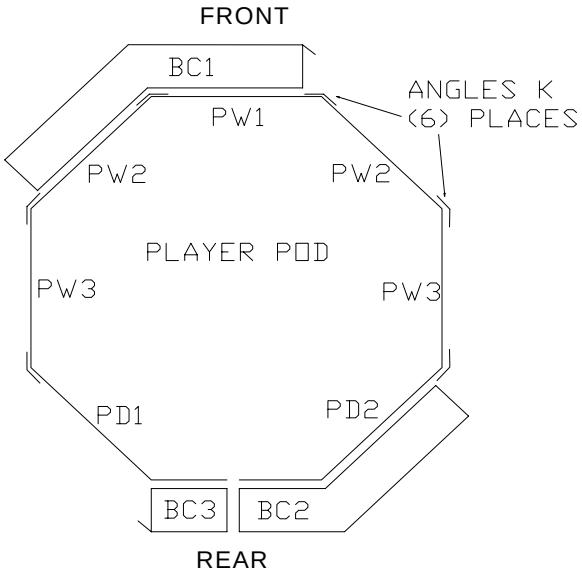
35. Now it is time to tighten all of the screws (DD) used to this point around the inside perimeter of the machine as well as the rear door opening angles with the exception of the three door pin bushings mounted to the base. The bushings need to slide when the door assemblies are mounted later.

36. It is now time to assemble the inner “player pod” lexan walls. Most of these wall sheets will have a paper mask over them which will need to be peeled before each section is needed for assembly.

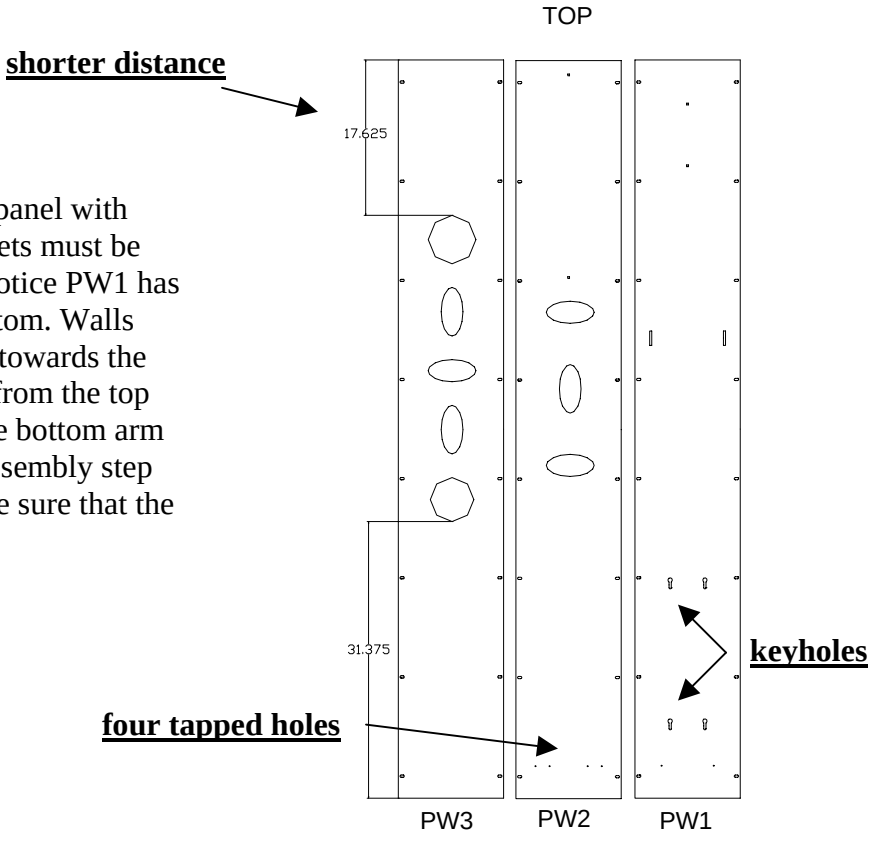


37. When assembling the “player pod” panels, refer to the drawing at the right which illustrates where each component is placed with reference to the front and rear of the machine. Parts shown at right are:

BC1 thru BC3-Blower Chutes
PD1 thru PD2-Pod Doors
PW1 thru PW3-Pod Walls
Angles “K”-Pod Wall Angles

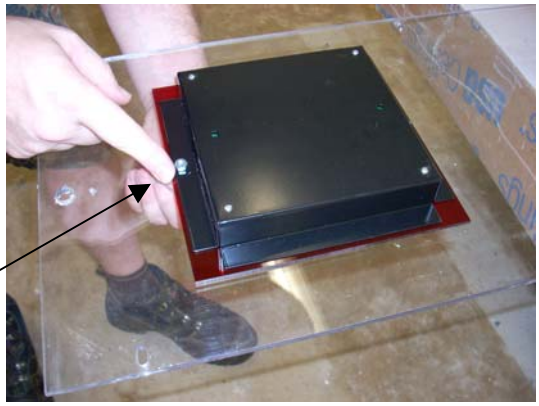


38. The illustration at right shows each pod panel with reference to the top of each sheet. These sheets must be installed with the correct end up or down. Notice PW1 has 4 keyhole slots that must go towards the bottom. Walls PW2 have four tapped holes that need to go towards the bottom. Walls PW3 have a shorter distance from the top arm hole to the top of the sheet than from the bottom arm hole to the bottom of the sheet. With each assembly step following, refer back to this drawing to make sure that the sheets are referenced properly.



39. Peel the protective masking off of pod wall one (PW1) and lay the panel on a flat surface. Assemble the timer display (C1420) to the top of the panel as shown with two bolts(II) and two nuts (JJ). Push the bolts up through the predrilled holes from underside of the panel and place the red diffuser over the protruding bolts on top of the panel followed by the timer display. **The connector slot in the timer display box must face towards the top of the panel.** Tighten the nuts completely.

connector slot towards top of sheet



40. After attaching the timer display, place the panel inside the machine and insert it in to the top and bottom "f" angles at the front of the machine just ahead of the hole in the base for the blower cords. You will have to flex the sheet slightly to get it in place. **Make sure the timer display is towards the top of the machine and inside the player pod facing outward. This display will be viewed by the audience.**

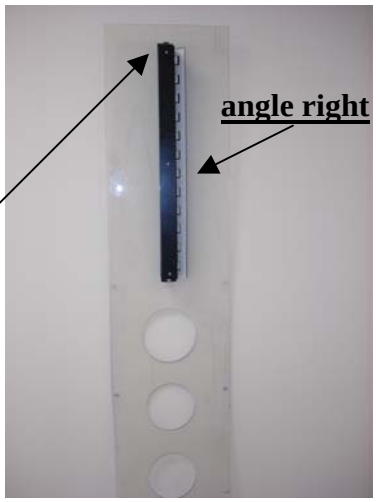
timer display up and inside player pod

41. Attach angles (K) to each side of the pod wall (PW1) with screws (DD). These angles attach to the outside of the pod wall sheet. Refer to the illustration on step #37. Align the bend in the angles as close as possible to the 45 degree meeting point in the lid and base "f" angles and tighten the screws. *Be careful not to over tighten the screws in all (K) angles.

angles (K) to each side of PW1

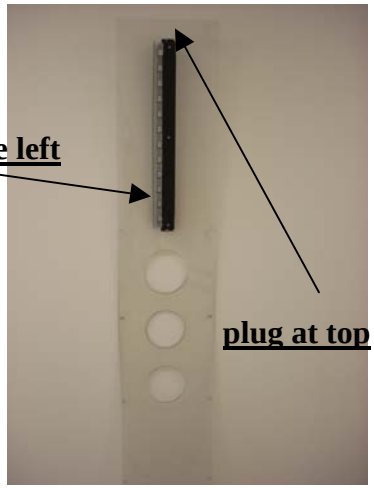
42. Locate and peel one pod wall 2 (PW2). Assemble Smart Start display (SS1) to the top of this panel with two bolts (II) and two nuts (JJ). The display connector plug must point upward and the 45 degree bend on the display cover must point to the right as shown. Bolt this into place by passing the bolt through the panel and attaching the display to what will be the inside of the sheet similar to the method used on the timer display. Note that there are four tapped holes at the bottom end of this sheet. Tighten nuts securely.

plug at top

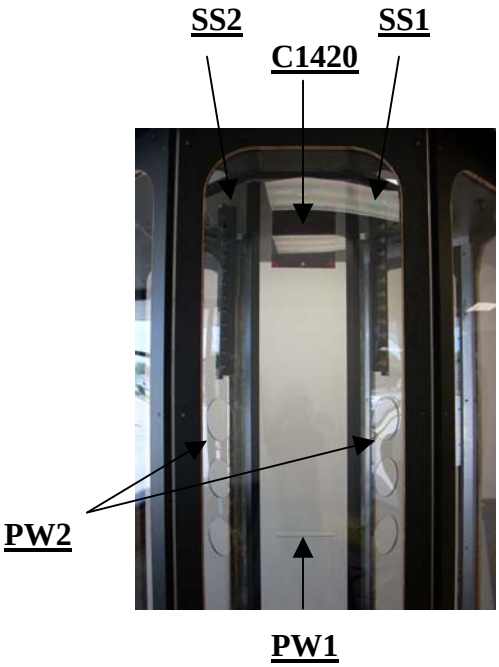


43. Install the pod wall that was just assembled into the machine. Standing inside the machine facing forward, place the panel to the left of the previously installed panel (PW1). The display should face outward and be toward the top of the machine. This display will also be viewed by the audience. Flex the panel into the base and lid "f" angles and secure to the angle (K) attached to the front panel with (DD) screws. Then attach another angle (K) to the bare left outside of the panel with screws (DD) in the same manner as the front, aligning the bend in the (K) angle with the meeting point of the 45 degree angles on the base and lid and tighten screws..

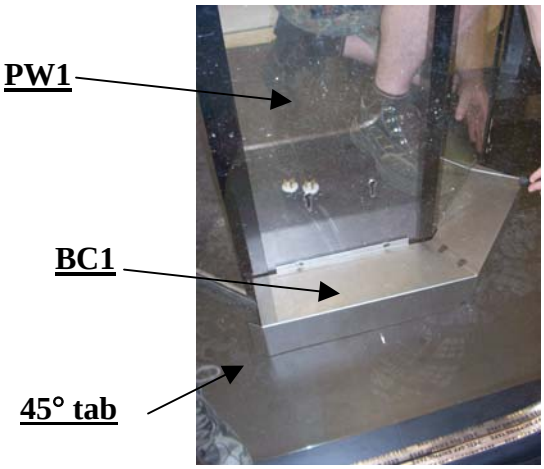
44. Locate and peel the last pod wall 2 (PW2). Assemble Smart Start display (SS2) to the top of this panel with two bolts (II) and two nuts (JJ). The display connector plug must point upward and the 45 degree bend on the display cover must point to the left as shown. Otherwise this assembles exactly the same as SS1 did to the last panel in step #42. Note that there are four tapped holes at the bottom end of this sheet. Tighten nuts securely.



45. Install this wall assembly inside the machine to the right of the front wall (PW1) in the same assembly manner as the other wall (PW2) was installed in step 43. Keep the display towards the top inside of the sheet facing outward. Flex the wall into the base and lid angles and tighten it to the (K) angle previously mounted on the front wall (PW1). Add another angle (K) to the outside of the bare right side of the sheet with screws (DD) lining up the bend in the angle with the 45 degree meeting point of the base and lid angles. Tighten screws. Your machine should now have the front pod wall (PW1) and the two front 45 degree pod walls (PW2) assembled in place with the displays facing forward as shown to the right.

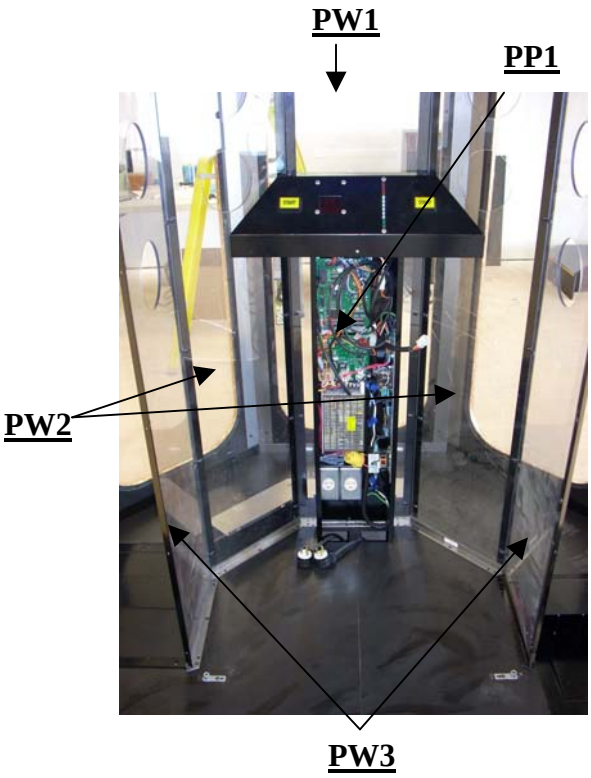


46. Locate blower chute (BC1). This metal chute mounts to the outside front of the center and left pod walls that have just been installed. BC1 mounts to the tapped holes at the bottom of these sheets with four (DD) screws. Refer to the illustration on step #37 for proper (BC1) placement. The blower chutes redirect air from the blowers around the player pod when in operation. Without these in place, your machine will not circulate the air properly. Tighten screws securely.

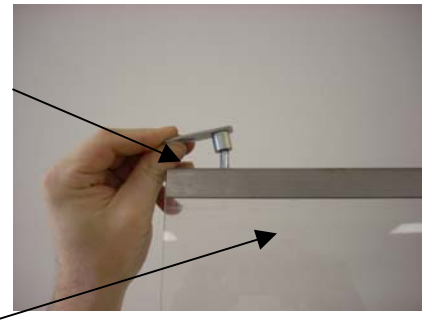


47. Locate the player pod control panel (PP1). Remove the six screws holding the front cover in place and set cover and screws aside. Mount the panel inside the player pod to the front wall using 4 (EE) screws. Start the screws into the four tapped holes on the rear of the panel leaving the heads of the screws protruding as far out as possible. Set the panel in place in the player pod by aligning the screws with the keyhole slots in the front wall (PW1). Push the panel forward allowing the screw heads to drop into place and the panel to rest completely on the floor. Then tighten the screws to the front panel.

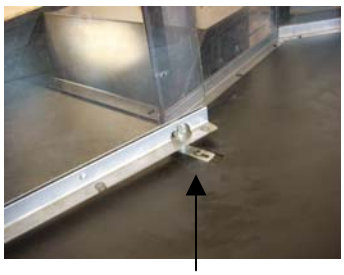
48. After mounting the pod control panel, locate the last two pod walls (PW3). Peel and install these sheets (one to each side) while using steps #37 & #38 for reference. Note that the shorter distance from arm hole to end of sheet need to go up. Flex these walls into place in the base and lid angles and tighten to the existing angles on the previously installed (PW2) walls with screws (DD). Now attach the last two (K) angles to the bare outside edges of each of these wall sheets with screws (DD) and tighten securely. Your machine should now resemble the photo at right with five pod walls (PW1-PW3) installed and the pod control panel mounted to the inside front wall.



49. Locate the left pod door (PD1). The bottom of the door will have two tapped holes in the smallest lexan sheet used for mounting (BC3) later. Refer to the illustration on step #37 to determine that you have the correct door. Place a door pin bushing (DB) over the pin mounted to the top edge of the door as shown at right. Make sure the bushing is pointing downward as shown.



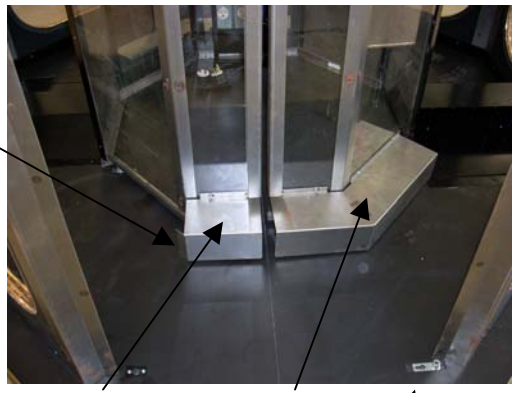
50. Carry the left pod door into the rear of the machine. Insert the pin on the bottom edge of the door into the bushing mounted to the base. Make sure to keep the unfinished edge of the lexan sheet inside of the (K) angle mounted to the side pod wall (PW3). Flex the larger lexan panel of the door enough to allow the bushing at the top of the door to snap into place in the lid. Make sure the bushing is facing the same direction as the one mounted in the base. Fasten with one (EE) screw. Do not tighten at this time.



51. Locate the right pod door (PD2). The bottom of this door will have four tapped holes for mounting (BC2) later. Again, refer to the illustration on step #37 to determine that you have the correct door. As in step #49, place a door pin bushing (DB) over the pin on the top edge of the door. Carry the door inside the machine and insert the bottom door pin into the bushing mounted on the base, flex the sheet and snap the top bushing into place. Make sure the unfinished lexan panel edge is inside the (K) angle mounted on the side pod wall (PW3) and the bushing is facing the same direction as the one mounted in the base. Attach top bushing with one (EE) screw. Do not tighten until the next step.

52. Now that both player pod doors are hanging, shut and lock the doors by lifting the door latch on the right door and letting it drop over the screw mounted to the left door. Note what direction each door must move to plumb them so that they will be level with each other and operate properly. To adjust your doors, slide the upper and lower bushings (DB) in or out as needed and then tighten the bushing screws (EE). Once completed the machine should resemble the photo at right with the lock latch on the right and each door level with each other.

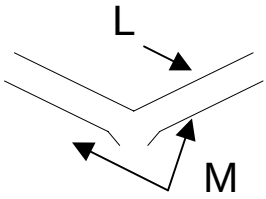
53. Locate blower chutes (BC2 & BC3). These chutes mount to the bottom of the player pod doors with six (DD) screws. See the photo at right and the illustration on step #37 for proper placement of the chutes. Tighten screws securely.



54. Locate the outer door assembly (OD). This door assembles to the outer rear of the machine similar to the way the right pod door was installed. First reference the door correctly as so the lock will be on the left standing at the rear of the machine. Slip a door pin bushing (DB) over the top door pin. Lift the door up onto the machine base and insert the bottom pin into the bushing mounted to the base. Flex the door slightly and snap the top bushing into place and loosely secure with one (EE) screw. You may have to remove a couple of lid angle screws near the door opening and lift the lid slightly to get the door in place. Install the door lock handle by first making sure the 3 point lock is in the locked position. While in the locked position, mount the front and rear handles with them pointing downward as shown at the right. Tighten the outer machine screws and the set screw for the inner handle. Now you must level the door by sliding the base and lid bushings until the door shuts properly and the three point lock rods line up with the holes in the base and lid.

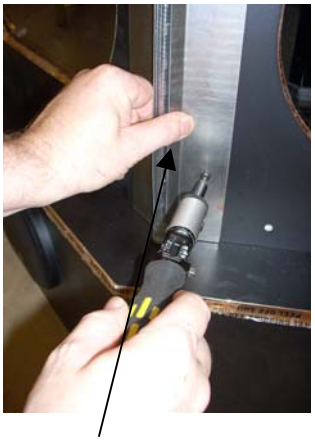
assemble in locked position as shown

55. Once the door has been installed and leveled, locate angles (L) and (M). Place one (L) angle and two (M) angles at six of the outside corners excluding the corners adjacent to the rear door using screws (DD). These three angles create the space used to hold your ropelighting. Use the illustration below for reference. Do not tighten at this time.



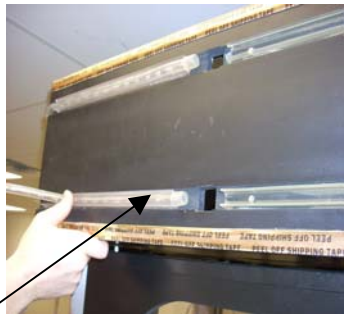
56. Locate the six ropelight sections that are 9 feet in length. Using a step ladder, from above insert one 9 ft ropelight at each hole in the corners of the lid assembly. Slide the clear capped end of the ropelight through the hole until it reaches the base. This will leave the white electrical connector inside the upper lid. Starting at the bottom, insert the ropelight into the channel between each (M) angle and tighten the screws as you proceed upward. Squeeze the two angles (M) together around the ropelight while tightening them.

insert from top

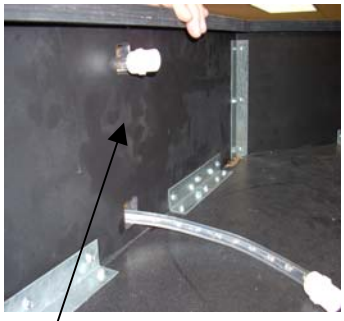


squeeze and tighten

57. Locate the two ropelight sections that are 21 feet in length. Using a step ladder, start at the rear of the lid, insert each rope starting with the clear capped end just to the left of the thru holes. Wrap each rope fully around the lid pressing them into the plastic track. Once totally around the lid, insert each rope connector and extra length trough the holes in the back of the lid.

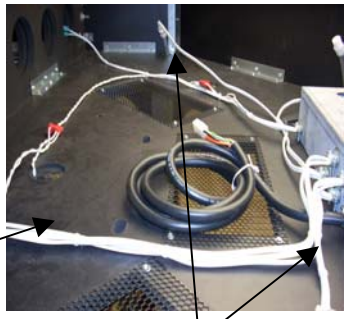


start each 21 ft. rope here



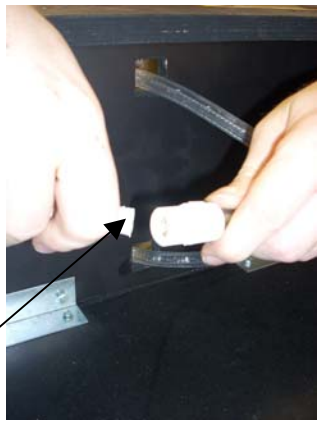
insert white connectors in rear

58. Locate the wiring leads for the ropelighting at the front of the lid. Feed the four long leads through the center section of the lid and connect them to the rear ropelights. Connect the four shorter leads to the front ropelights.



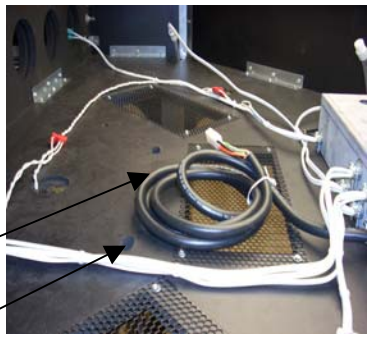
feed to rear ropes

feed to front ropes



connect all ropes

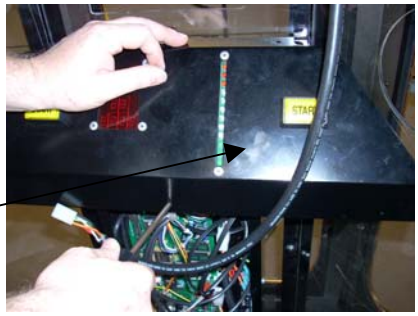
59.After feeding the ropelight leads, insert the upper AC cord (UA) down into the machine. Remove the tie around the cord and push the connector down through the hole next to the rear ropelight leads. This will allow the cord to be inserted into the pod control panel on the right side from inside the machine looking forward.



upper power cord UA

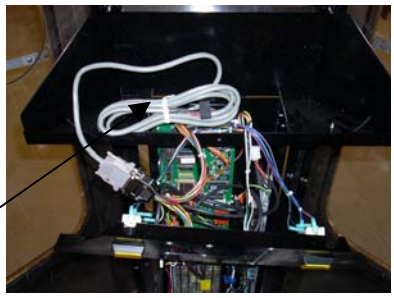
insert here

60. Step inside the machine and remove the top section of the pod control panel. Remove the screws around the perimeter of panel section and let it hang in place.



remove top section

61. With the top section open, remove the tie around the timer display harness (WH1). Also locate and untie the Smart Start display harness (WH2) in the panel below on the right side. Feed this harness (WH2) up into the top section of the panel.



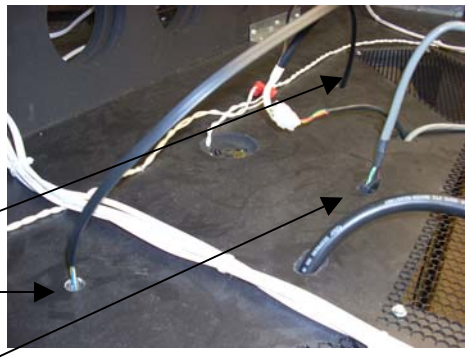
WH1

WH2 feed into top of panel

62. Feed both harnesses (WH1 & WH2) up the left side of the front pod wall and insert them through the hole in the lid to the left of the timer display. Feed the black connector on the end of WH1 first then the RJ12 (phone jack) connectors of WH2 as well as the square white connector plug on WH2.

feed harnesses up here

63. Using a step ladder, feed the harnesses back down into the machine in their respective holes. The black connector on WH1 feeds down into the center slot next to the AC power cord. Insert the RJ12 (phone jack) connectors on WH2 one each into the round holes to each side of the center halogen light.



WH2 RJ12's here

WH1 black connector here

64. Step back inside the machine and plug the end connectors from harnesses WH1 & WH2 into place. The RJ12 (phone jack) connectors on WH2 plug into the top of each Smart Start display with the latch on the plug facing forward. The black connector on WH1 plugs into the timer display with the notch on the plug facing forward. Be gentle with this plug as it must be positioned in the center of the display box hole and pushed down into place. Do not force this connector.

WH2

WH1

65. Locate the black plastic conduit (FC2). This conduit is split down the length of it. Starting at one end of the conduit, push the exposed leads of WH1 & WH2 into the conduit inside the machine above the pod control panel. Once the harnesses are inside the conduit, slide the conduit upward and slightly through the hole in the lid.

WH1 & WH2 into black conduit

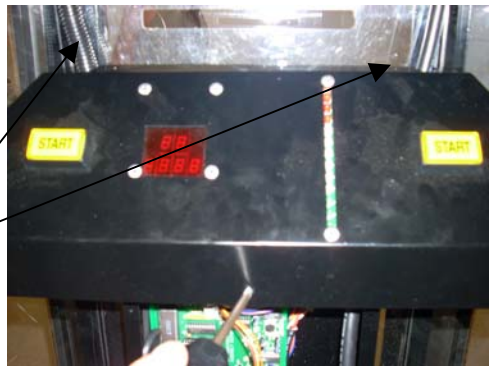
66. Insert the black conduit and the upper AC cord into the slots at each side of the control panel. Allow the upper AC cord connector to pass into the bottom of the control panel.

insert conduit and cord into slots

feed ac cord plug into bottom panel

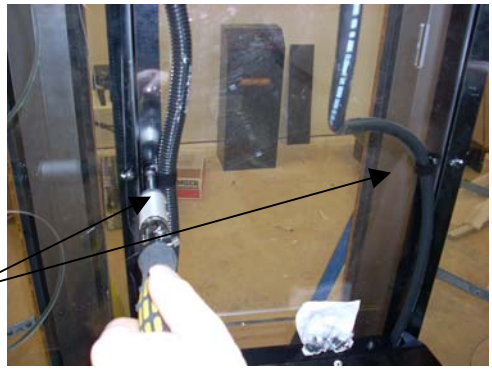
67. Make sure that no connections have come loose from the components on the upper panel cover and reinstall it with five (KK) screws. Be sure to align the two slots in the cover with the black conduit and upper AC cord. Also be sure not to pinch any wiring under the panel. Tighten screws completely.

conduit and cord



68. Locate the large plastic conduit clamps (MM). Install eight of these around the black plastic conduit and the upper ac cord (4 on each). You will have to remove the screws (DD) one at a time above the pod control panel and replace them with screws (EE). Keep the conduit and cord stretched as straight as possible as to allow them to hide behind the pod wall angles.

8 plastic clamps (MM) & screws (EE)

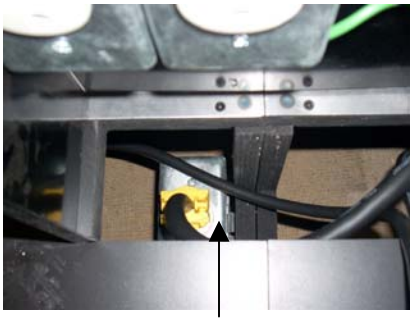


69. Connect the upper ac cord (UA) to the lead attached to the upper row of fuse blocks on the right side of the player pod control panel.

connect upper ac plugs UA

70. Insert the pod control panel main power cord attached to the lower right side of the pod panel into the outlet mounted under the floor. It is visible through the hole in the floor under the panel.

pod panel main power cord



connect here

71. Connect the two blower cord plugs into the two outlets mounted in the bottom of the pod control panel above the hole in the floor. The blower cord plugs should be laying on the floor from assembly step #14. If they have fallen , you may have to reach under the base through the hole and pull them back up into place.

connect blower plugs

72. While still inside the machine, locate and untie wiring harness WH3 on the left side of the player pod control panel.

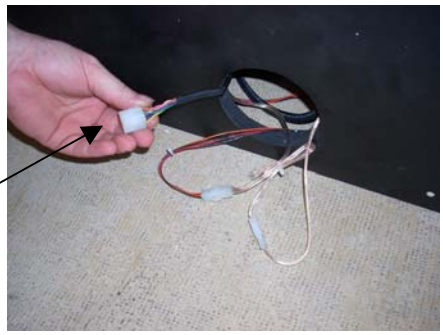
harness WH3

73. Route the harness (WH3) down through the hole in the floor in the direction of where the audio/operation panel is to be mounted. In normal assembly situations it would be towards your left unless you have decided to mount the audio/operation panel on the opposite side of the machine.

route WH3 under base

74. From outside the machine, reach in through the round hole on the side of the base and pull the harness (WH3) out as to expose the connector on the harness. This and the speaker harness will attach to the audio/control panel to be mounted later.

pull WH3 plug outside base



75. Locate the cover for the lower pod control panel that was set aside earlier. Step inside the machine and reattach it with six screws (KK).

reattach lower cover

76. Remove the wiring access panel located at the rear of the base. This contains the main breaker box inside. Set the wood access panel and hardware aside.

remove base access panel

77. Locate the box labeled “audio/control panel”. Remove the panel from its box. Set the panel near the hole in the base that has your speaker and pod wiring harnesses exposed. Route the flex conduit (FC3) out the rear of the audio panel, through the hole in the base and towards the main breaker box. This will connect later. Connect the pod wiring harness (WH3) to the matching connector in the audio panel. Then insert the speaker leads into the bottom shelf of the audio panel for later assembly.

WH3

FC3

speaker

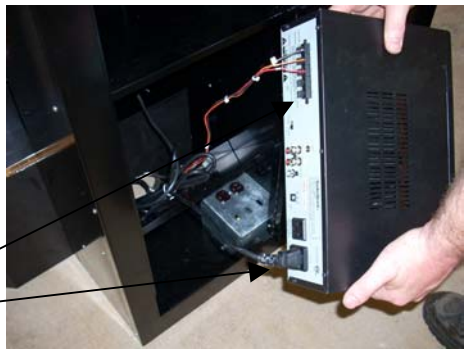
78. Slide the audio/control panel into place against the base and line up the four holes in the rear legs of the cabinet with the four mounting holes in the base. Attach with four (DD) screws. Make sure not to pinch any wiring and tighten the screws completely.

attach to base with 4 (DD) screws

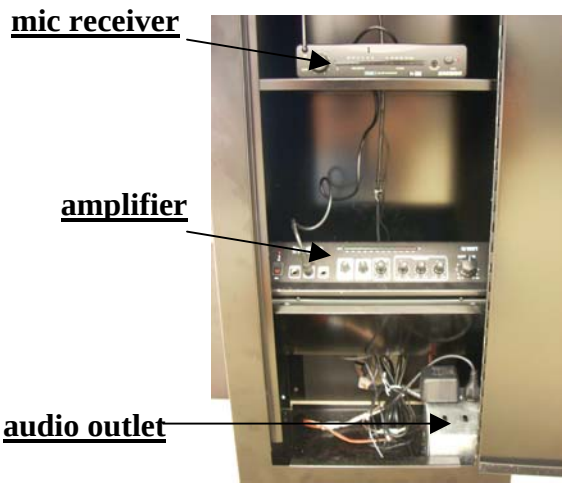
79. Locate the microphone holder (MH1) and attach it to the left side of the audio/control cabinet with two screws (KK). This will hold your microphone when the machine is in use. To avoid theft of your microphone, store it in the audio cabinet when not in use.

attach microphone holder

80. Locate and unpackage the audio amplifier. Feed the speaker leads laying in the bottom of the audio panel up behind the lower angled shelf and plug them into the matching terminals on the rear of the amplifier. The leads are labeled for common, 4 ohm, and 8 ohm. Make sure to insert them into the matching terminals on the amplifier. Plug the amplifiers AC cord into the rear of the amp and route it over the angled shelf to the bottom of the cabinet. Rotate the amplifier to allow placement into the cabinet and place it on the angled shelf. Plug the AC cord into the right outlet in the bottom of the cabinet.



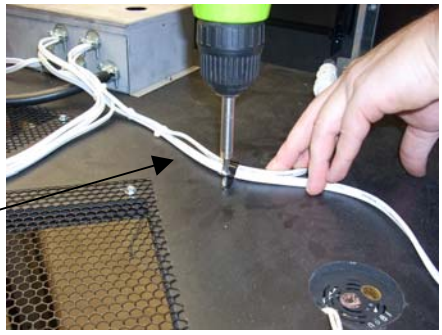
81. Locate and unpackage the cordless microphone. Place the receiver on the top shelf of the audio panel. Route the power plug for the receiver up from the bottom of the cabinet and insert into the jack at the rear of the receiver. Plug the transformer for the unit into the left outlet in the bottom of the cabinet. Attach the ¼ inch microphone cable from the rear of the receiver to the front of the amplifier and insert it into MIC 1. Install battery into microphone and hang in the holder on the side of the cabinet. Please refer to the instructions provided with the audio components for proper usage.



82. Using the plastic wire ties (NN) supplied, organize the wires in the audio/control panel and tie them to the pierced holes at the rear of the cabinet. Once fully assembled, your panel should resemble the photo to the right.

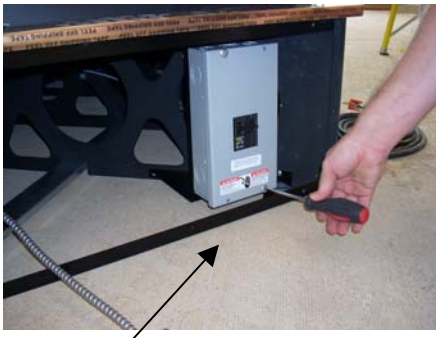
83. Locate the player pod “money box” (MB). Install the box to the front lexan pod wall inside the player pod. There will be two slots on each side of the front wall just above the pod panel. The hooks on the money box allow it to hang in place. This box is used to store money the contestant has caught.

84. Using a step ladder, clamp and tie the lighting wiring in the lid assembly. Use the small cable clamps (LL) with screws (OO) and route the wiring as neatly as possible to avoid being seen from below. The excess ropelighting ends should also be secured using the plastic cables ties (NN) supplied.



neatly secure wiring in lid

85. Your Megacube is now ready for the final wiring installation. This machine can be "hard" wired from the lid or base of the unit and we have also included 15 ft of power cord for use in an existing outlet if so desired. Holes are cut in the rear base and step to allow routing of the cord to the exterior. You will have to provide the correct cord plug. ***Please make sure to use a qualified electrician.***
The main breaker panel cover will need to be removed at the rear of the machine. Replace this cover and the base access cover with trim screws and washers that were set aside earlier when complete. Place the rear step against the base below the rear door and clean the machine thoroughly removing all visible assembly labels.



remove cover

***The photo below is for reference only, use the wiring diagram located in the rear of this manual for a more complete depiction.

MAIN BREAKER BOX DETAIL

MEGA CUBE™
SMART START OPERATION SUMMARY

The following is a brief summary for operating your Mega Cube™ money machine in Smart Start mode. Complete operation and programming of the machine is explained in the following pages.

When using Smart Start, your participant will be required to press both "start" buttons inside the machines "Player Pod" and monitor the Smart Start display mounted on the pod control panel. With the participant holding these buttons, you the operator will activate the keyed "Start" switch located on the exterior "Audio/Control" panel. Once this switch is activated, the blower will start and the front Smart Start LED displays will begin their countdown (red, yellow, yellow, green). The participant **must** hold the start buttons until the displays turn green thus allowing the money inside the machine to circulate for a period of time. Once the displays turn green, the countdown timer will start and the participant may release the buttons and begin grabbing money through the arm holes of the Player Pod and stuffing it into the "Money Box" mounted on the front inside glass of the Player Pod. If the participant releases the buttons prior to the displays turning green, the complete sequence must be restarted. You the operator will be able to coach your contestant while the machine is in use via the cordless microphone and amplifier included. Speakers in the Player Pod as well as the front base of the machine will allow everyone to hear your commands. With the combination of our Smart Start Technology® and the Player Pod armholes participants are incapable of "cheating" by grabbing money off of the floor at the initial start up. After the machine runs for the amount of time programmed, the blower will shut off and the countdown displays will return to "attract" mode of chasing top to bottom. You the operator will then assist the participant in exiting the machine. Once the participant has exited the machine, remove the "Money Box" from the front glass inside the Player Pod and count their winnings.

Certain situations may arise that will require you to operate the machine in regular manual mode. Setting program option #7 to 0 will disable Smart Start. The countdown displays will continue to chase and start buttons inside the machine will be lit but the participant will not be required to press them or monitor the displays. The second timer and blower will start immediately after the operator activates the start switch.

Fun Industries hopes that Smart Start Technology® will enable you to be more in control of the amount of cash your participants win and also create a more dynamic visual appearance with the new LED displays.

ATTENTION: We now offer a renewable 12 month extended warranty. A sample of this warranty and an order form are located at the front of this manual.

FUN INDUSTRIES INC.
MEGA CUBE MONEY MACHINE WITH SMART START TECHNOLOGY®

IMPORTANT: PLEASE READ BEFORE OPERATING THIS MACHINE

***We recommend that all participants wear safety glasses**

1. After assembling your Mega Cube as described in the previous pages, it is now time to become familiar with the operating and programming features associated with this machine. Make sure the main power breaker at the rear base of the machine is on. The power switch is located on the "Audio/Control" panel. All controls for the machine on this panel require a key to operate. You will also have a few accessories that will need to be stored in the panel. These accessories include the message board remote control, goggles, microphone, spare keys and assorted manuals.

power

use for storage

2. Scatter up to 500 slightly wrinkled bills into the outer octagon chamber. Assuming you have your machine programmed to your desired settings (see program page) and switched to manual mode, your participants will be required to stand in the "Player Pod" center octagon of the machine. You should assist them in entering and exiting the machine. First, unlock and open the rear outer door, then reach in and lift the pod door latch. Fully open the pod doors and allow the participant to enter the pod. Make them familiar with the operation rules before closing and securing the pod door latch and the rear main door.

instruct participants on "Player Pod" rules

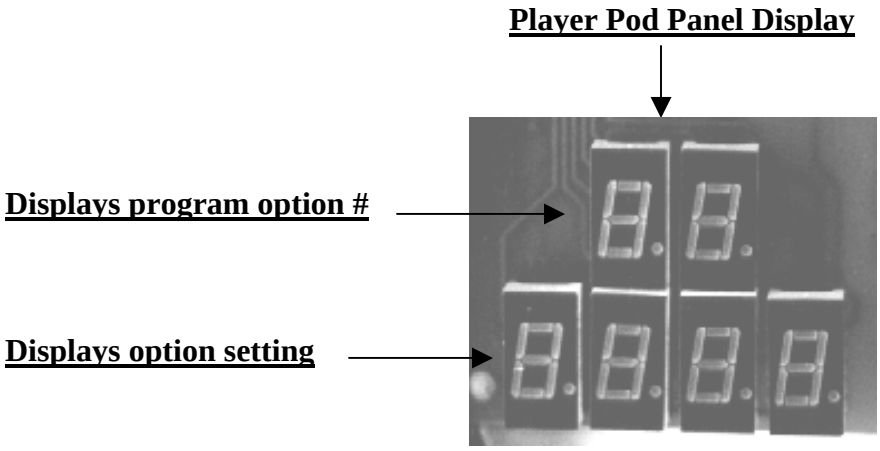
3. You may want to consider using the cordless microphone and amplifier located in the Audio/Control panel to not only instruct the participant but also to "pump up" the audience. Instructions for proper operation of these devices were included in their original packaging. When you and your participant are ready, simply turn and release the start switch on the control panel. Once the contestant has finished his or her allotted time, help them out of the machine and grab the money box inside. After emptying the money box, hang it back on the front pod wall. Before closing and or locking the machine, take time to remove any leftover bills in the pod and toss them back into the money holding area.

mic

power **auto/manual** **start**

PROGRAMMING INSTRUCTIONS

Your Mega Cube money machine is programmed by using the start switch on top of and the key switch on the right side of the Audio/Control panel and the small timer display on the Player Pod panel. This display has two digits on the top which indicate what program option you are currently on and the bottom four digits indicate the setting for that particular option. While standing at the Audio/Control panel with the small timer display in sight, increment through the program options by turning the program key switch and change the setting of any particular option by turning the start switch. Once you have each option set to your liking, exit the program mode by turning the program key switch until you pass option #7. Your machine will not operate correctly while in program mode.



This machine has two running "modes" we call automatic and manual. Automatic mode allows you to display your machine on a constant basis by turning on and off continuously to the set times on program options #2 & #3 (see program options below). Manual mode is used when placing participants in the machine. This allows the operator control over when the machine starts. You can switch between these modes by turning the key switch on the Audio/Control panel labeled auto/manual.

Always use a fresh fabric or dryer sheet when displaying your machine for long periods of time to reduce static buildup that can be damaging to the machines electronics.

PROGRAM OPTIONS

OPTION	DESCRIPTION	FACTORY SETTING	MAXIMUM	INCREMENTS BY
#1	Manual mode run time	15	60	1
#2	Automatic mode run time	15	60	1
#3	Automatic mode pause time	20	600	10
#4	Ropelight with blower on (1=flash, 0=steady burn)	1	1	1
#5	Ropelight with blower off (1=on, 0=off)	1	1	1
#6	Ropelight flash timer (milliseconds)	150	2000	50
#7	Smart Start (0 = Off, 1 = On)	1	1	1

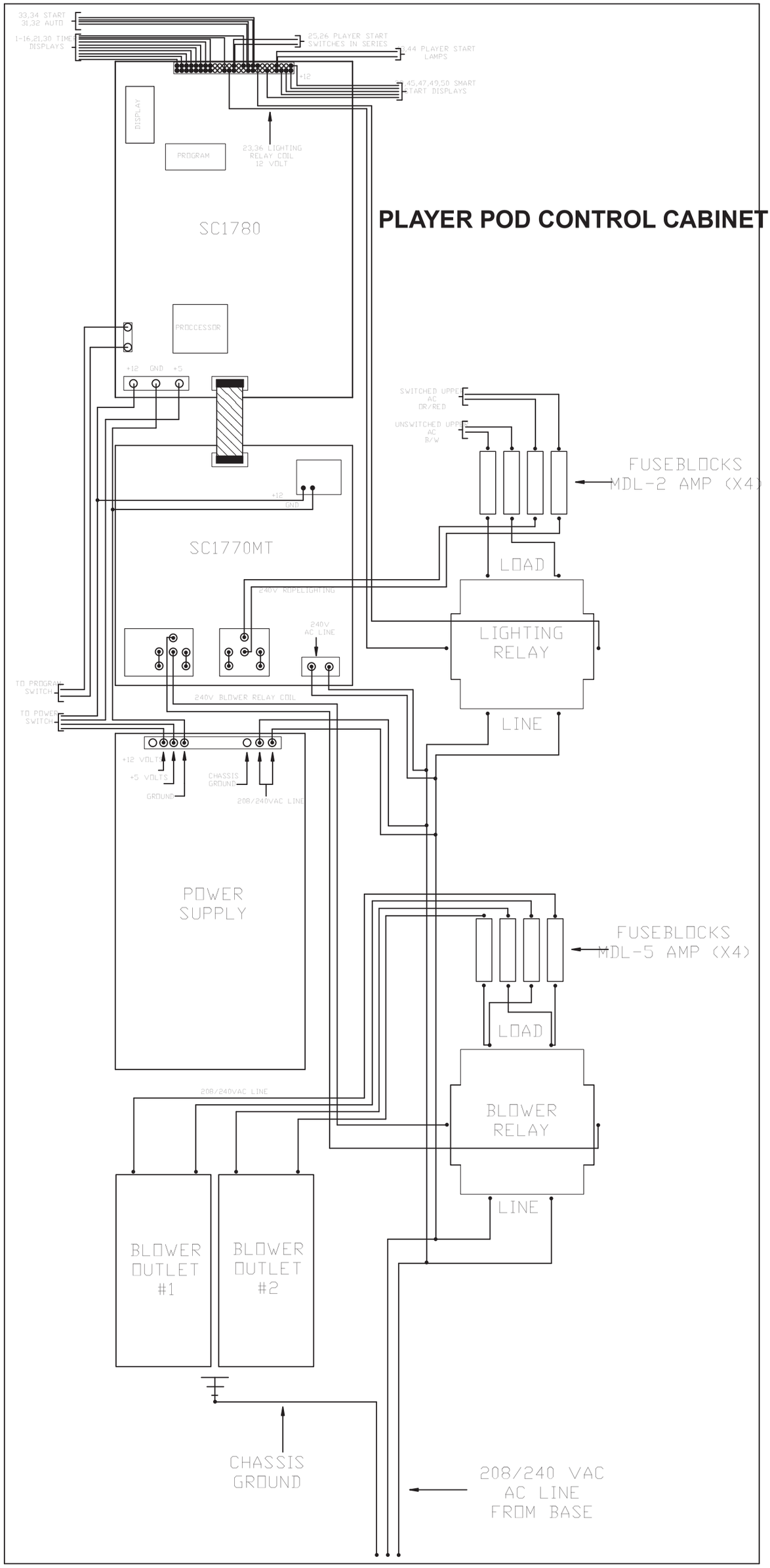
MEGA CUBE TROUBLESHOOTING

SYMPTOM	POSSIBLE SOLUTION
1. NO POWER	**A. Check that the main cord is plugged in (if used) and the circuit feed is on.** **B. Check that the main breaker on the rear of the base is on.** **C. Check that the power switch on the audio/control panel is on.**
2. NOT BLOWING PROPERLY	**A. Check blower plug connections in the player pod lower panel.** **B. Check that money or coupons have been slightly wrinkled.** **C. Check that the intake for the blowers at the rear of the base is not blocked and the ceiling vents are open as well.** **D. Check that no more than 500 pieces are in machine.**
3. FRONT DISPLAYS NOT WORKING	**A. Check that the connections at the top of each display and inside the top of the player pod panel are in place, as they may have worked loose during operation or cleaning.**
4. ERRATIC OPERATION	**A. This is usually caused by static electricity. You may have to spray the machine with "Static Guard" aerosol and reprogram your settings. *Always use a fresh fabric sheet when displaying machine to reduce static buildup.***

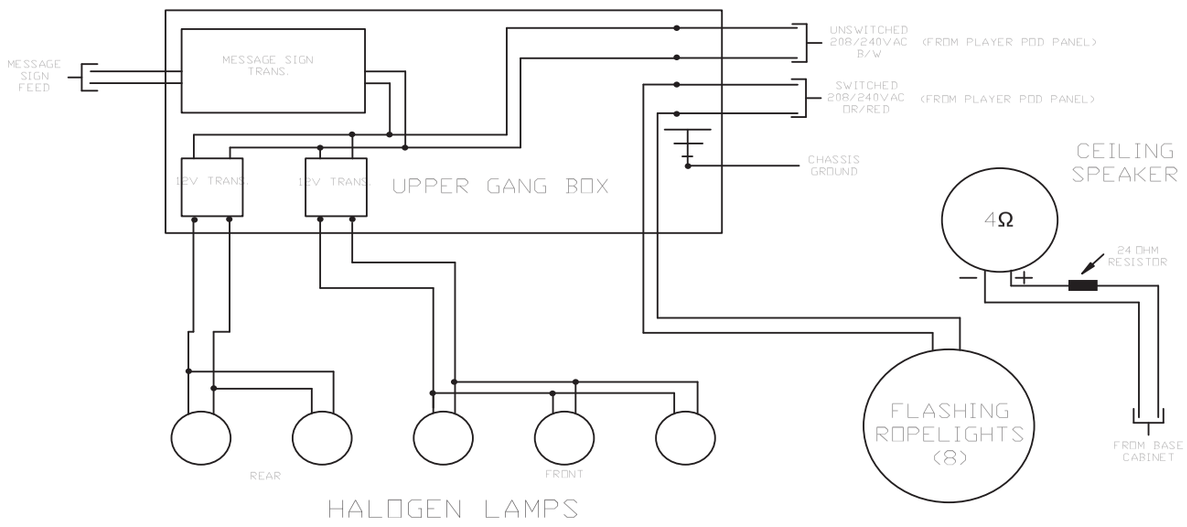
CLEANING

The money cavity of the Mega Cube is fairly small and care must be taken not to step on the blower chutes or deflectors while cleaning the unit. We recommend using a mild detergent or glass cleaner with a soft cloth for cleaning. The Lexan panels are manufactured with an abrasion resistant coating but if not treated correctly you may damage the finish. A soft cloth is the key to cleaning your machine. Replacement panels are also available from our factory.

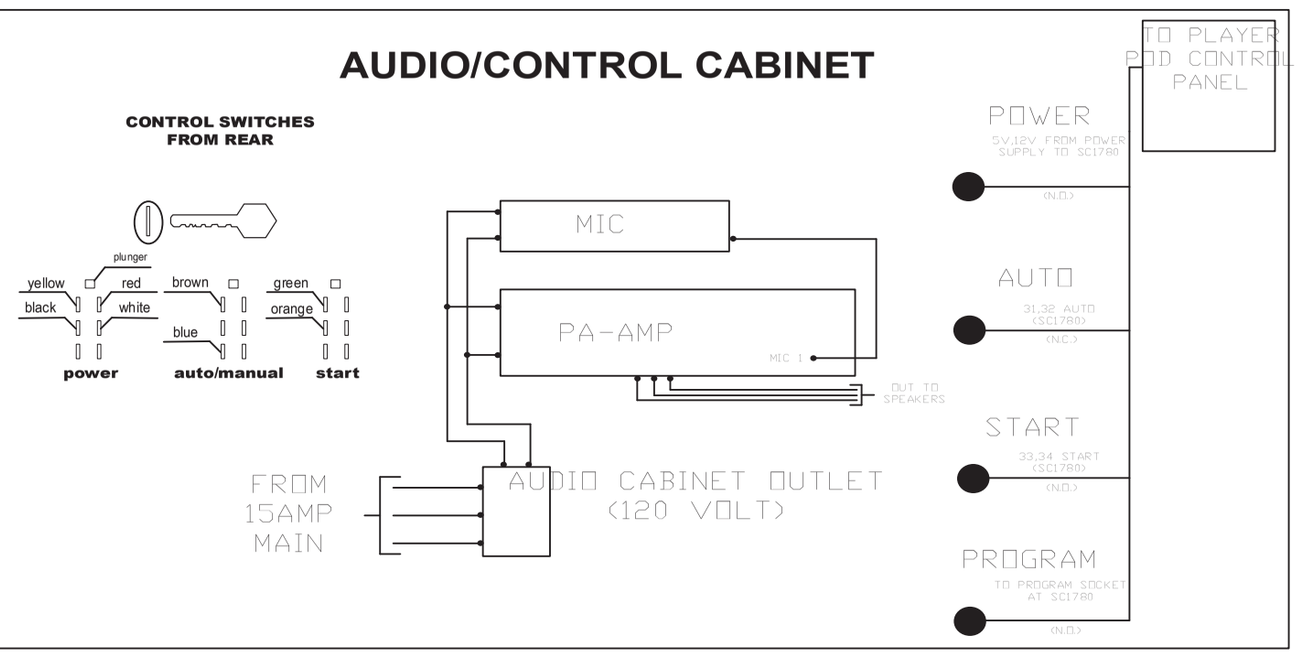
IF FURTHER ASSISTANCE IS NEEDED, PLEASE CALL
1-800-747-1144 M-F 9am-4pm


PLAYER POD CONTROL CABINET
33,34 START
31,32 AUTO
1-16,21,30 TIME
DISPLAYS
25,26 PLAYER START
SWITCHES IN SERIES
1,44 PLAYER START
LAMPS
+12
45,47,49,50 SMART
START DISPLAYS
DISPLAY
PROGRAM
23,36 LIGHTING
RELAY COIL
12 VOLT
SC1780
PROCCESSOR
+12 GND +5
SWITCHED UPPER
AC
OR/RED
UNSWITCHED UPPER
AC
B/W
FUSEBLOCKS
MDL-2 AMP (X4)
+12
GND
SC1770MT
LOAD
240V RIPPLELIGHTING
240V
AC LINE
LIGHTING
RELAY
TO PROGRAM
SWITCH
TO POWER
SWITCH
240V BLOWER RELAY COIL
LINE
+12 VOLTS
+5 VOLTS
GROUND
CHASSIS
GROUND
208/240VAC LINE
POWER
SUPPLY
FUSEBLOCKS
MDL-5 AMP (X4)
LOAD
208/240VAC LINE
BLOWER
RELAY
LINE
BLOWER
OUTLET
#1
BLOWER
OUTLET
#2
CHASSIS
GROUND
208/240 VAC
AC LINE
FROM BASE

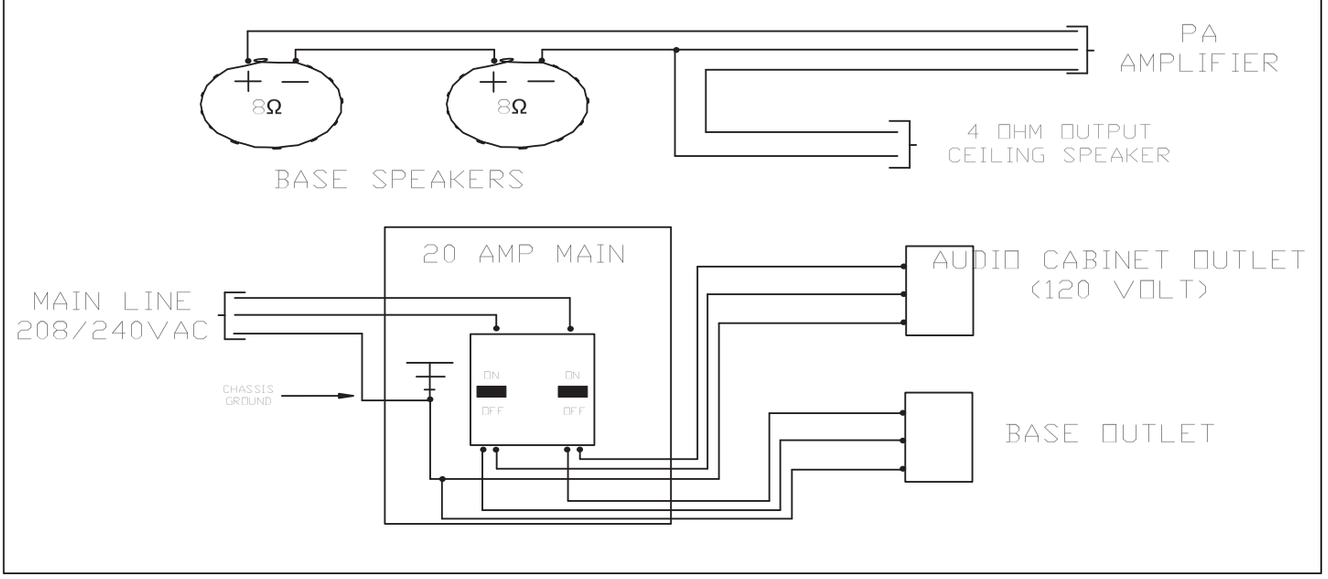
UPPER CABINET



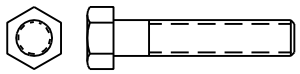
AUDIO/CONTROL CABINET



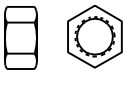
BASE CABINET

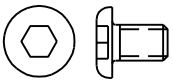


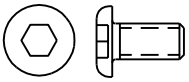
MEGA CUBE PARTS

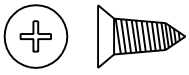
8- AA-  - 3/8-16 X 2 in bolt

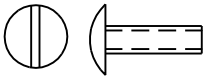
16- BB-  - $\frac{3}{8}$ washer

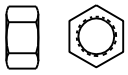
8- CC-  - 3/8-16 X $\frac{9}{16}$ nut

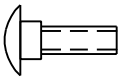
240 - DD-  - 10-32 X $\frac{3}{8}$ button cap screw

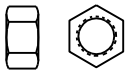
12- EE-  - 10-32 X $\frac{1}{2}$ button cap screw

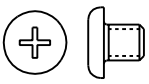
71- FF-  - #6 X $\frac{1}{2}$ phillips flat head sheet metal screw

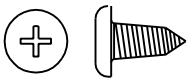
4- GG-  - 10-32 X $\frac{1}{2}$ sltd round head machine screw

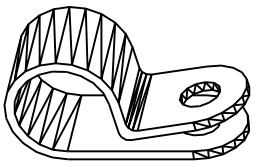
4- HH-  - 10-32 X $\frac{3}{8}$ keps lock nut

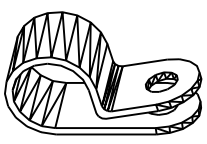
6- II-  - 10-24 X $\frac{5}{8}$ in carraige bolt preattached

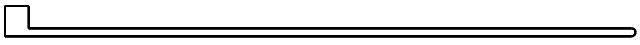
6- JJ-  - 10-24 X $\frac{3}{8}$ nut preattached

12- KK-  - 6-32 X $\frac{1}{4}$ phillips pan head self theading screw

12- OO-  - #6 X $\frac{1}{2}$ phillips pan head machine screw

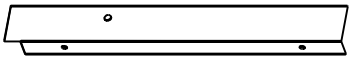
 - 8 - $\frac{5}{8}$ X $\frac{1}{2}$ cable clamp LL

 - 10 - $\frac{3}{8}$ x $\frac{3}{8}$ cable clamp MM

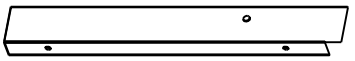


- 10 - 4 inch nylon cable tie NN

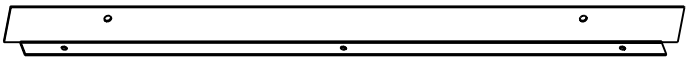
MEGA CUBE PARTS



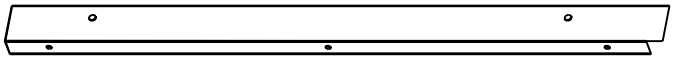
- 3 - outside front $\frac{1}{2}$ angle A



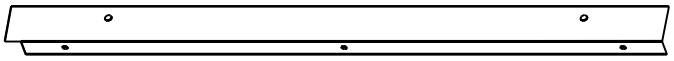
- 3- outside front $\frac{1}{2}$ angle B



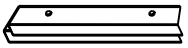
- 7 - full length outside angle C



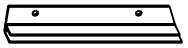
- 2 - rear left angle D



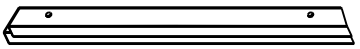
- 2 - rear right angle E



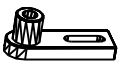
- 3 - right inside $\frac{1}{2}$ F_angle F



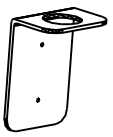
- 3 - left inside $\frac{1}{2}$ F_angle G



- 7 - full length F_ angle H

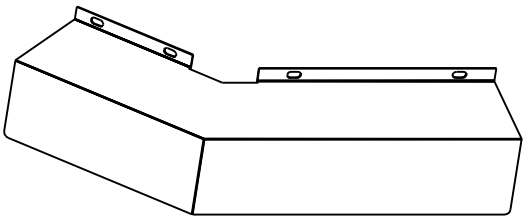


- 6 - door pin bushing DB

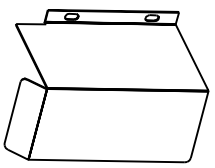


- 1 - microphone holder MH1

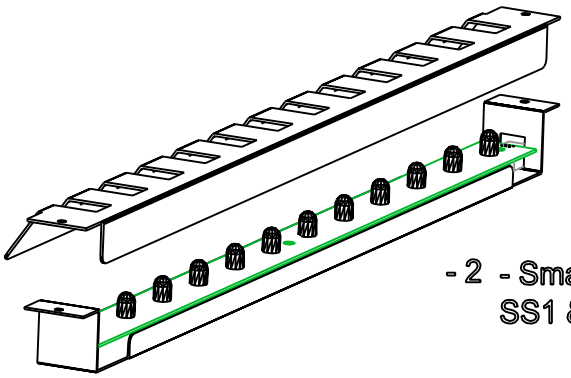
- 1 - blower chute BC1



- 1 - door blower chute BC2

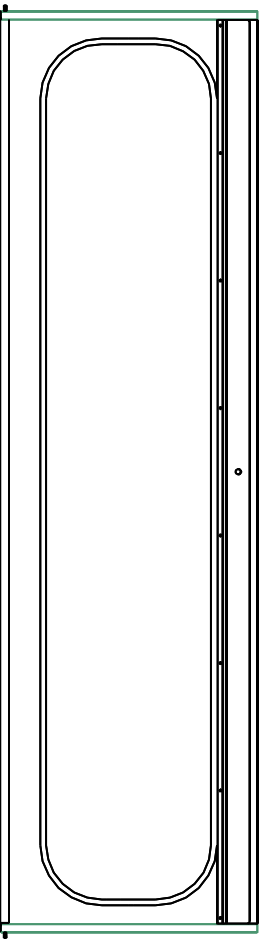


- 1 - door blower chute BC3

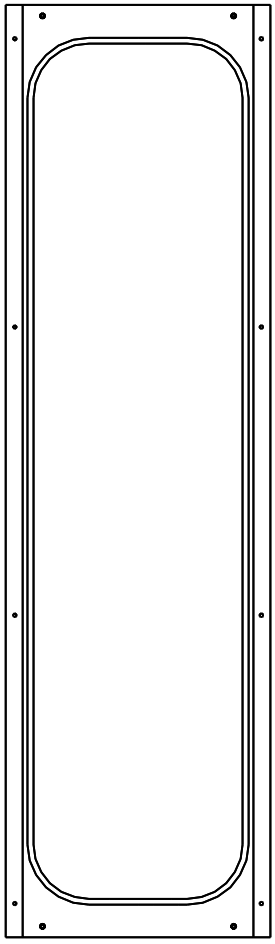


- 2 - Smart Start® display
SS1 & SS2

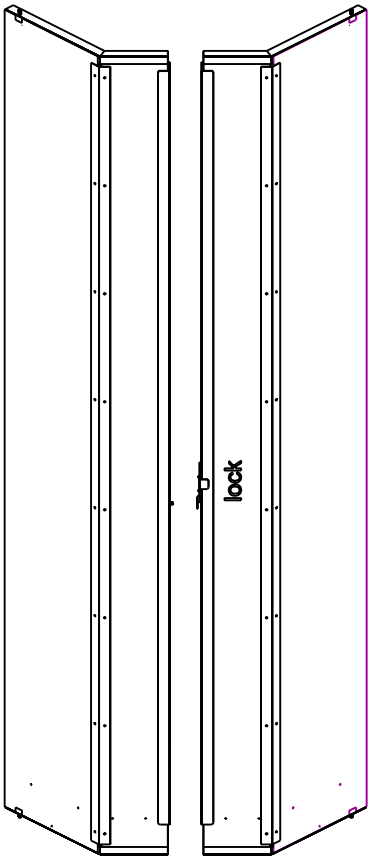
MEGA CUBE PARTS



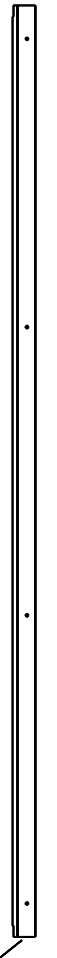
1-outside door OD



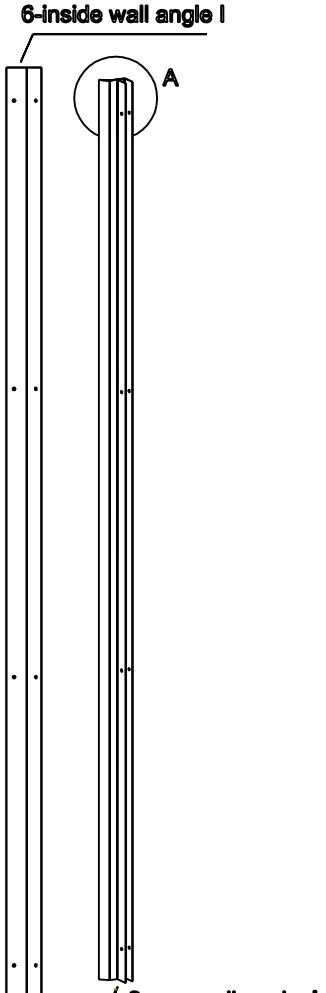
7-outside wall OW



6-outside wall angle L
(wider than angle I)

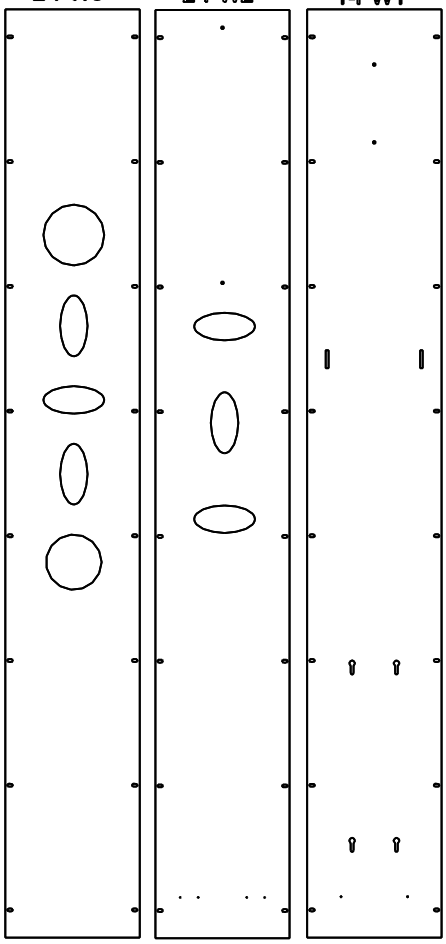


12-rope light angle M



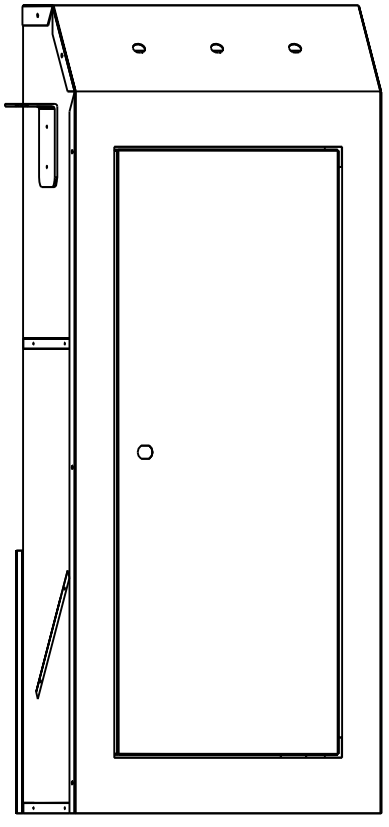
6-inside wall angle I

2-rear wall angle J

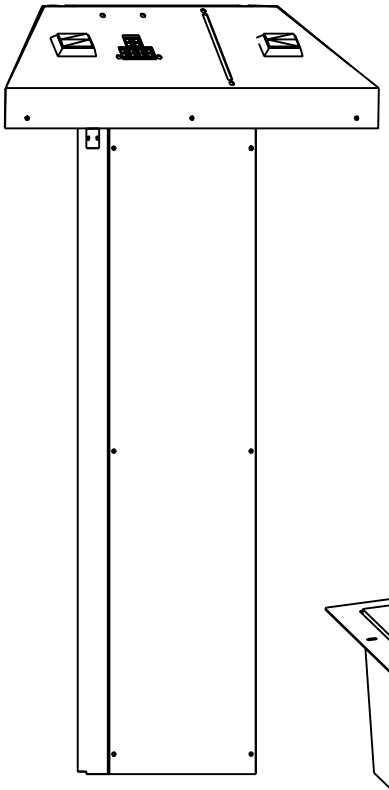


6-player pod wall angle K

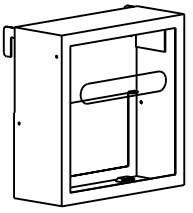
MEGA CUBE PARTS



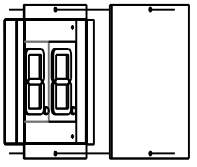
Audio Cabinet



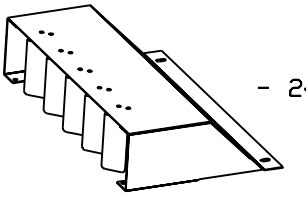
Player Pod
Console



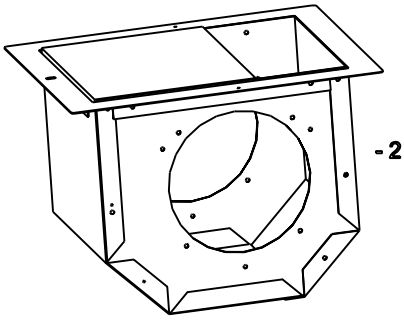
- 1 - money box MB



- 1 - C1420 countdown timer

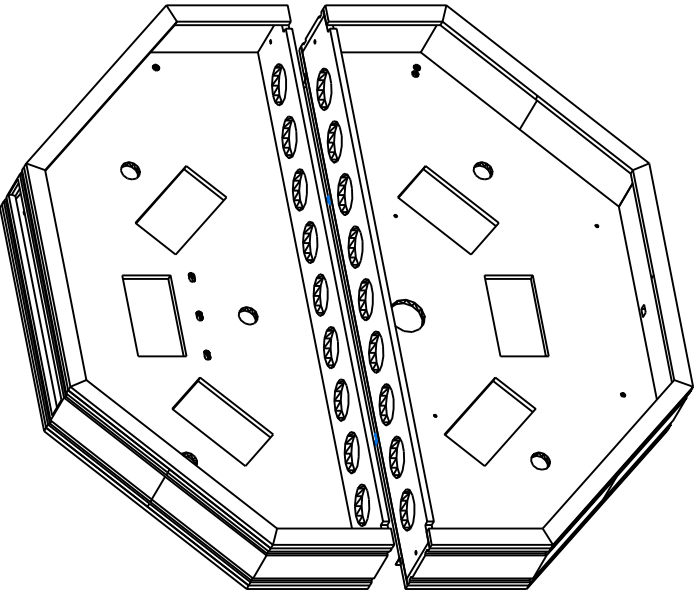


- 2- blower deflector BD

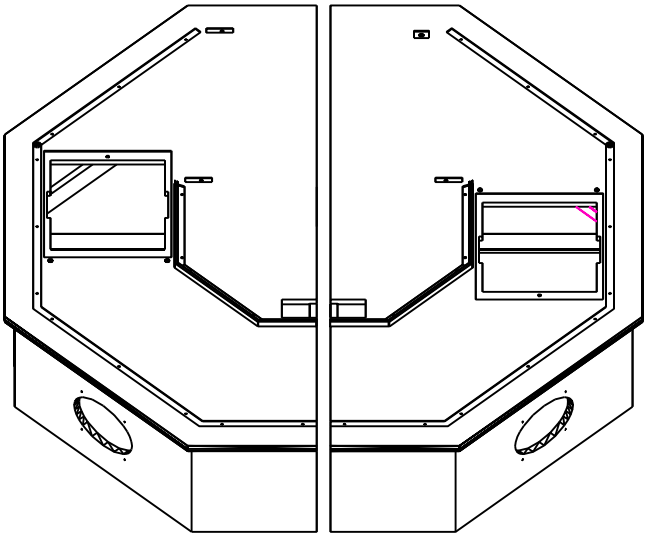


- 2 - blower

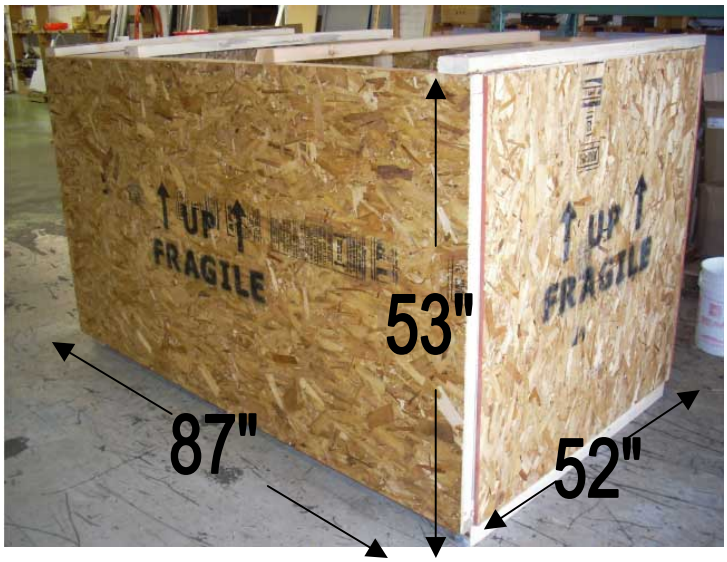
L1 L2



B2 B1

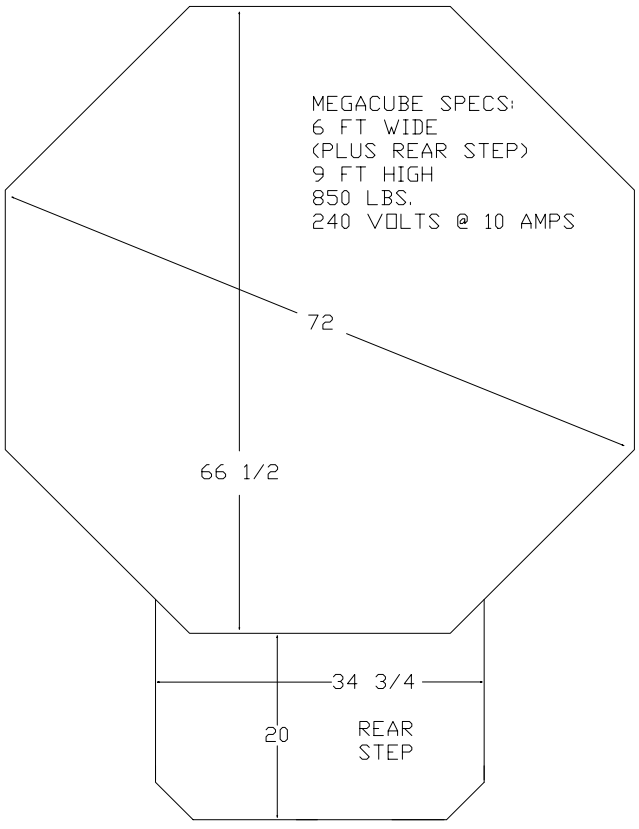


SPECIFICATIONS



Shipping Specifications:

1250 lbs.
87" L
52" W
53" H



MachineSpecifications:

850 lbs
72" W (plus rear step)
108" H
240 Volts @ 15 Amps
UL E230991 CSA CE
Power Supply