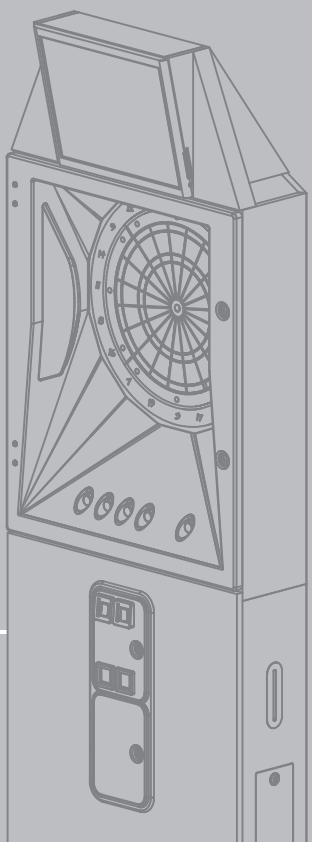
Spectrum e-TEC

BY MEDALIST

BASIC SETUP AND INSTALLATION MANUAL



MEDALIST

AIM FOR EXCELLENCE

- Please read these instructions carefully before setup and installation of the machine.
- Keep this manual in a safe place for later reference.

Table Of Contents

Safety Precautions 1

1. Basic Specifications 2

2. Spectrum eTEC Parts 3

3. Cabinet Configuration 4

4. Assembly And Installation Instructions 7

5. Camera Installation And Setup 11

6. Technical Information 12

   6A. Exploded Drawing 12

   6B. I.O. Board Layout 20

   6C. Main Board Connections 22

   6D. Wiring Diagram 23

7. Troubleshooting 24

8. Software Settings 26

9. Program Mode Diagram 30

Master Parts List .....

Safety Precautions

Spectrum eTEC has been engineered and manufactured to ensure personal safety. However, improper use can result in potential electrical shock or fire hazard. You must observe the following basic rules for installation, use and servicing. Failure to do so may defeat the safe guards incorporated into the Spectrum eTEC and may result in injury.

Warning

1. It is critical that the board is leveled prior to opening the upper cabinet door to prevent the game from falling over.
2. Be extremely careful when moving the dart board into position; leg levelers may catch on the floor causing the dart board to tip over.
3. Always unplug the power to the dart board before moving.
4. To reduce the risk of fire or electrical shock, DO NOT expose the dart board to any moisture.
5. To reduce the risk of electrical shock or possible death, DO NOT touch these areas where high voltage is present; power supply, voltage terminal strip and lamps.

Caution

1. Before power is connected, confirm the game is level. If the game is not level/stable, adjust the leg levelers.
2. The Spectrum eTEC is equipped with a grounded AC line plug. This safety feature allows the plug to fit into any local grounded power outlet. If ground is not present in AC system the Aux ground should be properly connected to the nearest ground point. If you have any problems, contact a licensed electrician.
3. Operate the dart board from a power source as indicated in the specification of this manual. If you are not sure what type of power you have, consult your local power company.
4. Overloaded AC plugs, power strips, extension cords, frayed power cords and broken plugs may cause system overload and/or fire.
5. DO NOT allow anything to rest upon or roll over the power cord.
6. DO NOT place the dart board where the power cord is subject to damage.

1 - Basic Specifications

1. *Main Unit	Top Mount	Mid Mount
Height	94½" with LCD monitor installed	86½" with crown installed
	79¾" without LCD monitor installed	75½" with crown installed
Width	29"	29"
Depth	13¾"	13¾"
Weight	94.5 kilos, 209 pounds	94.5 kilos, 208 pounds
Max Environment Temperature	105°F	

2. *Step Extension	
Height	4½"
Depth	8"
Width	29"

3. *Monitor		
Screen	19" LCD	17"LCD

4. *Main Board	
Make/Model	MSI K8MM-V
CPU	AMD, Socket 754, Sempron 2500/2600
Memory	256 MB/DDR
Embedded peripherals	Audio, Video, USB, LAN

5. *I.O. Board
Designed and developed by Medalist
I.O. Board Software version 5.4

6. *Power Supply	
Type	ATX
Input	120/230 VAC (Selectable)
Output	+3.3Vdc/28A
	+5Vdc/40A
	+12Vdc/12A
	-5Vdc/0.3A
	-1 2Vdc/0.8A
Max output power	400W

*Specifications are subject to change without notice.

2 - Spectrum ELITE Parts Check List

Unpacking and Inspection

1. Remove Spectrum eTEC lower cabinet, upper cabinet, and LCD monitor/crown from the boxes and inspect for any damage.
2. Confirm that all parts are included.

Parts List

1. Spectrum eTEC upper cabinet assembly
2. Spectrum eTEC lower cabinet assembly
3. LCD monitor assembly
4. Hardware kit
   A. Monitor/crown assembly bolts (3)
   B. Key set (2)
5. Accessory kit
   A. Bar darts (6)
   B. Bar dart tips (1 bag)
   C. Throw line (1)

3 - Cabinet Configuration

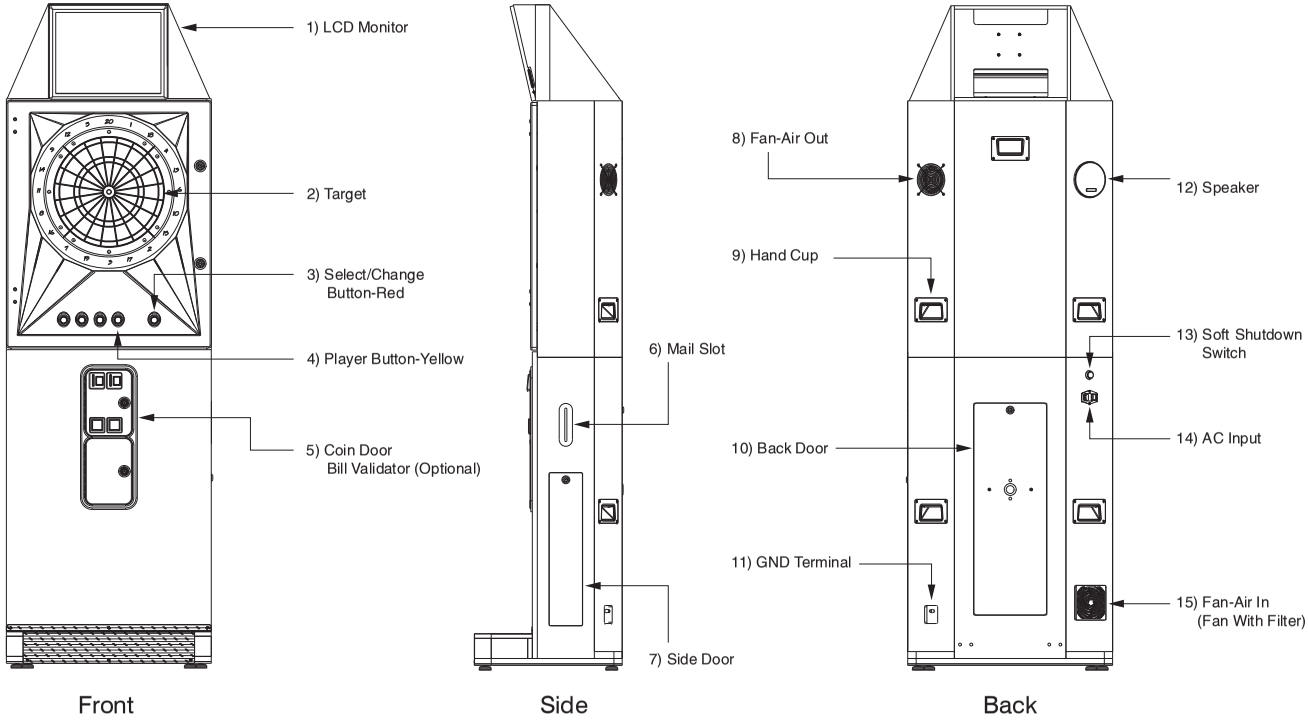


Figure 1.1: Cabinet Configuration eTEC (T)

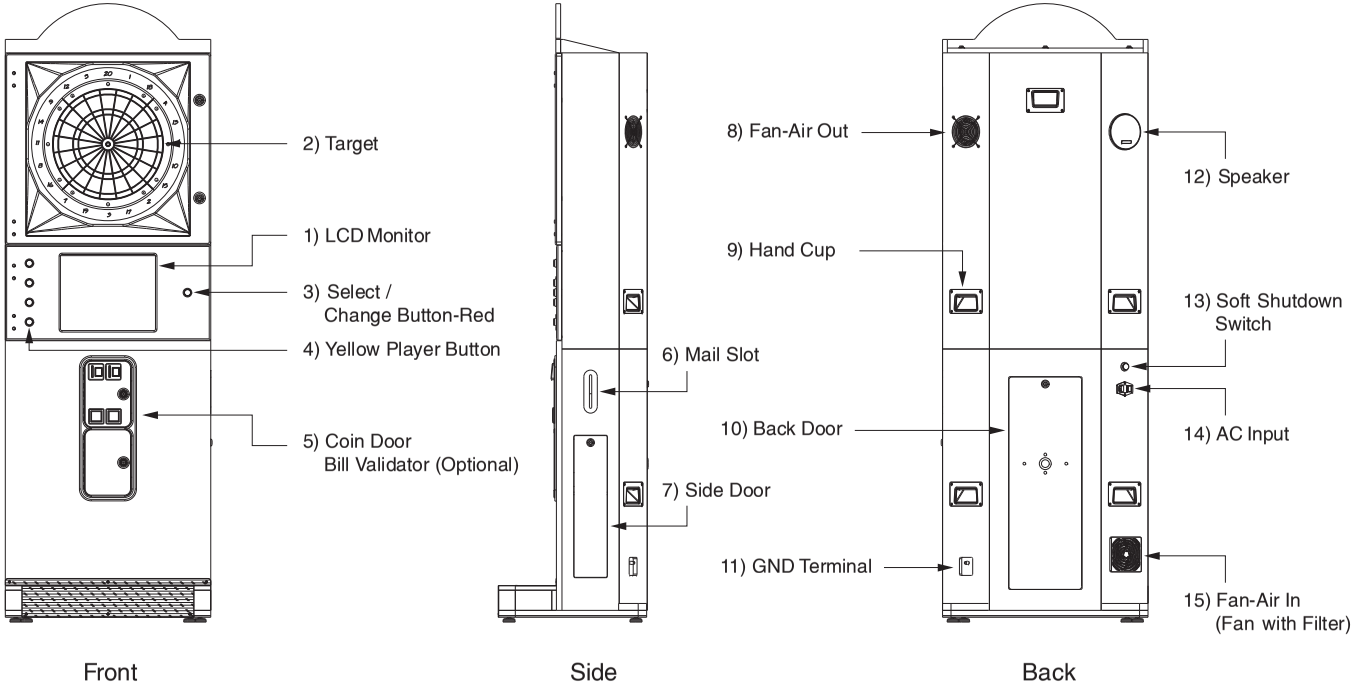


Figure 1.2: Cabinet Configuration eTEC (M)

Item	Name	Function
1	LCD Monitor	For display. Can adjust the display quality by using the LCD button located on the right side of the LCD
2	Target	Primarily to register dart scores, also used to input various information
3	Red Select/ Change Button	Interfaces with software. Normally this button is used to scroll cursor and change players
4	Yellow Player Button	Interfaces with software. Normally this button is used for selecting games and selecting the number of players to play the game
5	Coin Door	Where coins are inserted/DBA knockout plate
6	Mail Slot	To send mail to operators/dealers, such as records of tournaments or league
7	Side Door	Used to access the mail box
8	Fan-Air Out	To blow hot air from inside the cabinet out
9	Hand Cup	For transportation and assembly of the cabinet
10	Back Door	Additional access door
11	GND Terminal	Connects the cabinet ground to earth ground
12	Speaker	Sound
13	Soft Shutdown Switch	Used for software shutdown (recommended)
14	AC Input	Insert for the AC power cord
15	Fan-Air In	To bring filtered air from outside the cabinet in

4 - Assembly And Installation Instructions

1. Install the leg levelers to the bottom of the lower cabinet.
2. Place the lower cabinet in the desired location and adjust each leg leveler until the lower cabinet is level from front to back and side to side.

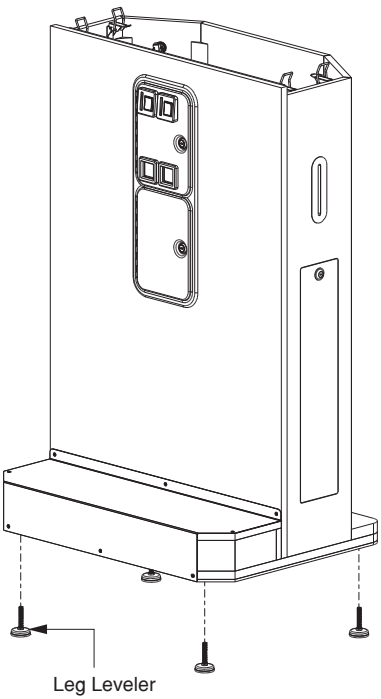


Figure 2.1: Installation Of Leg Leveler

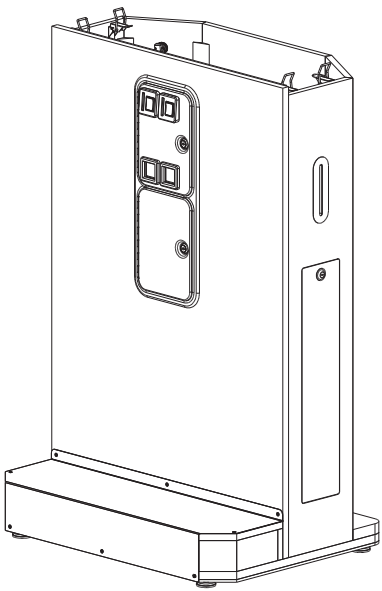


Figure 2.2: Lower Cabinet Complete Unit

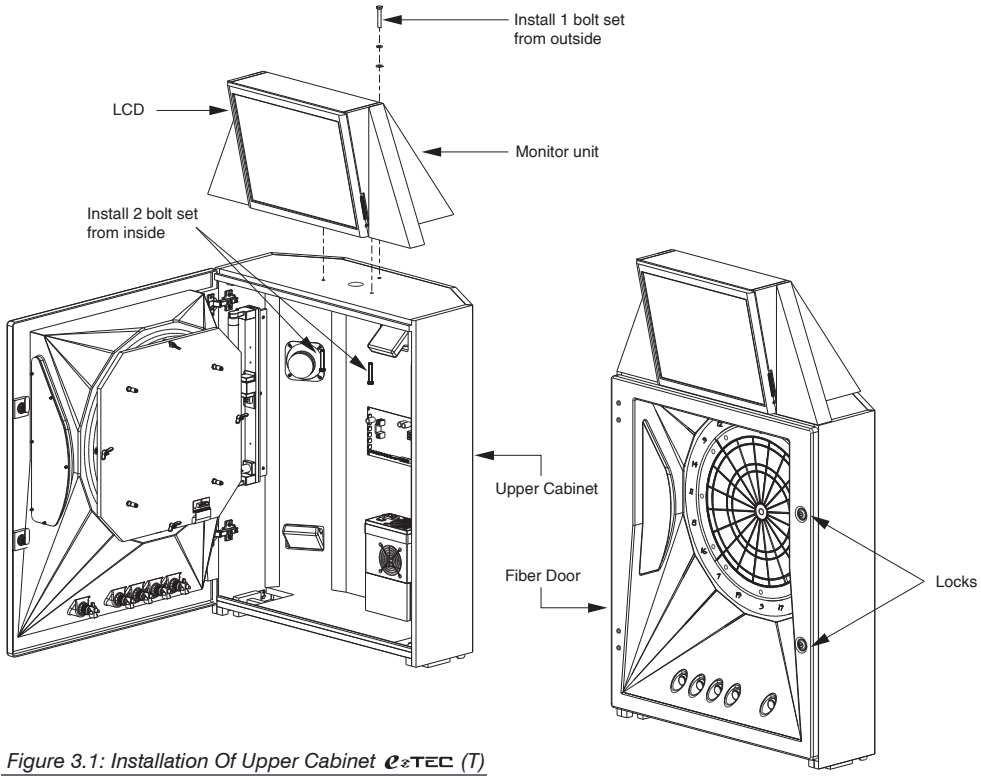


Figure 3.1: Installation Of Upper Cabinet eTEC (T)

Figure 3.2: Upper Cabinet Complete Unit eTEC (T)

3. Using two people, lift the upper cabinet and place it on top of the lower cabinet.
4. With someone stabilizing the upper cabinet, open the back door and lock the four hook latches to secure the upper cabinet to the lower cabinet.
5. I nstall the monitor/crown to upper cabinet using the three bolts provided.
6. * Route the VGA cable up through the hole in the top of the cabinet and connect it to the LCD.
7. * Route the LCD power connector down through the hole in the top of the cabinet and connect it to the 9 pin power connector inside the cabinet.

* For Top Mount Board Only

9. Connect the connectors from the lower wiring harness to the upper wiring harness.
10. Connect the power cord to power input module on the back of the cabinet.
11. Using the ground cable provided, attach the GND Terminal to earth ground. This terminal is only to be used, when earth connection is not provided by the power supply source.
12. Adjust leg levelers as needed then proceed to game setup.
13. Double check all of the connections before powering up the Spectrum eTEC.
14. Lock the fiber door with key.

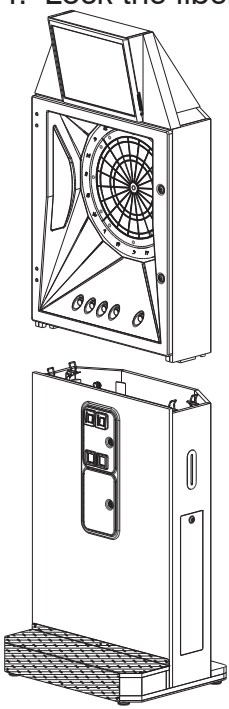


Figure 4.1: Install Upper Cabinet To Lower Cabinet eTEC (T)

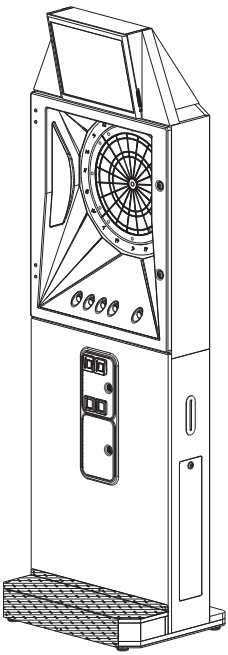


Figure 4.2: Complete Unit Installation eTEC (T)

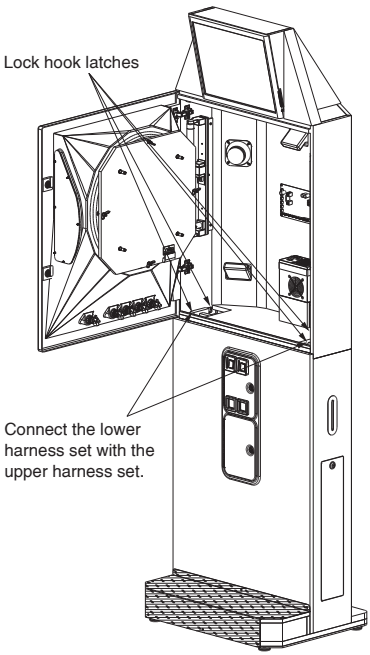


Figure 4.3: Open The Back Door To Lock The Hook Latches eTEC (T)

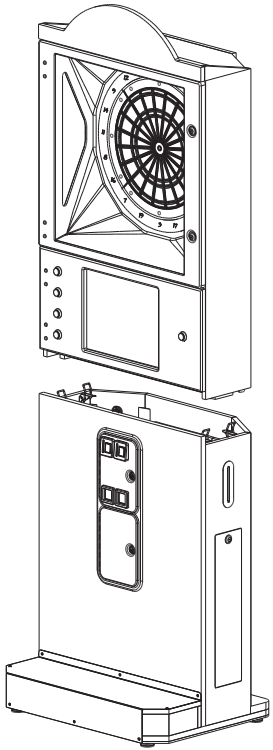


Figure 4.3: Install Upper Cabinet To Lower Cabinet ezTEC (M)

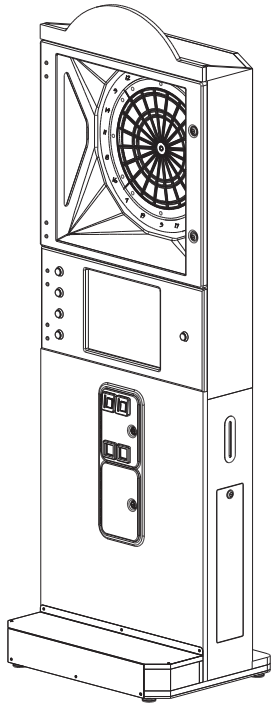


Figure 4.4: Complete Unit Installation ezTEC (M)

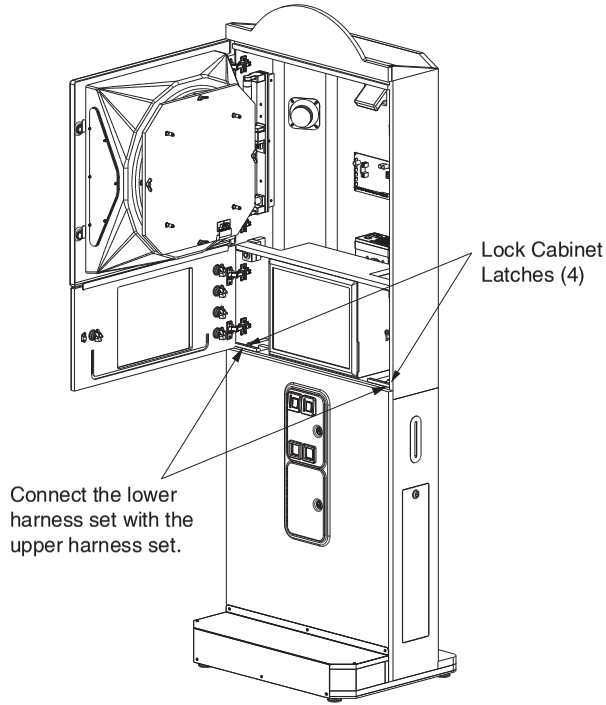


Figure 4.5: Open The Back Door To Lock The Hook Latches ezTEC (M)

5 - Camera Installation And Setup

(Digital Camera Optional)

Installation

1. Thread the USB camera cable through the 1” hole in the upper right side of the game.
2. While holding the camera box to the upper right hand side of the game with the camera hole facing outwards, thread two 6mm bolts from the inside of the game into the camera box inserts.
3. Plug the USB camera cable into one of the two USB ports.

Setup

1. Press the Program Mode Access Button located on the I.O. board to enter game setup mode. Go to Diagnostics/Webcam Test to focus. Go to Game Settings/Player Pix to set pricing and the Photo Delete password.

   Note: *The Photo Delete password is set in Game Settings/ Player Pix by using the Yellow Player Buttons to set a numeric password that corresponds to the Yellow Player Buttons (i.e. 1111 equals pressing the player one button four times). The password must be four to eight numbers in length.*

2. Adjust focus by turning the black focus ring around the camera lense. Focus the camera to the distance of the throw line.
3. To access Photo Delete without entering the Operators' Setup Mode, go to Main Menu/Player Pix. Press and hold the Yellow Player Buttons two and three simultaneously. This will take you to the enter password screen. The password is entered by using the Yellow Player Buttons. Once the password is accepted, follow the screen prompts to delete photos.

6 - Technical Information

6A. Exploded Drawing

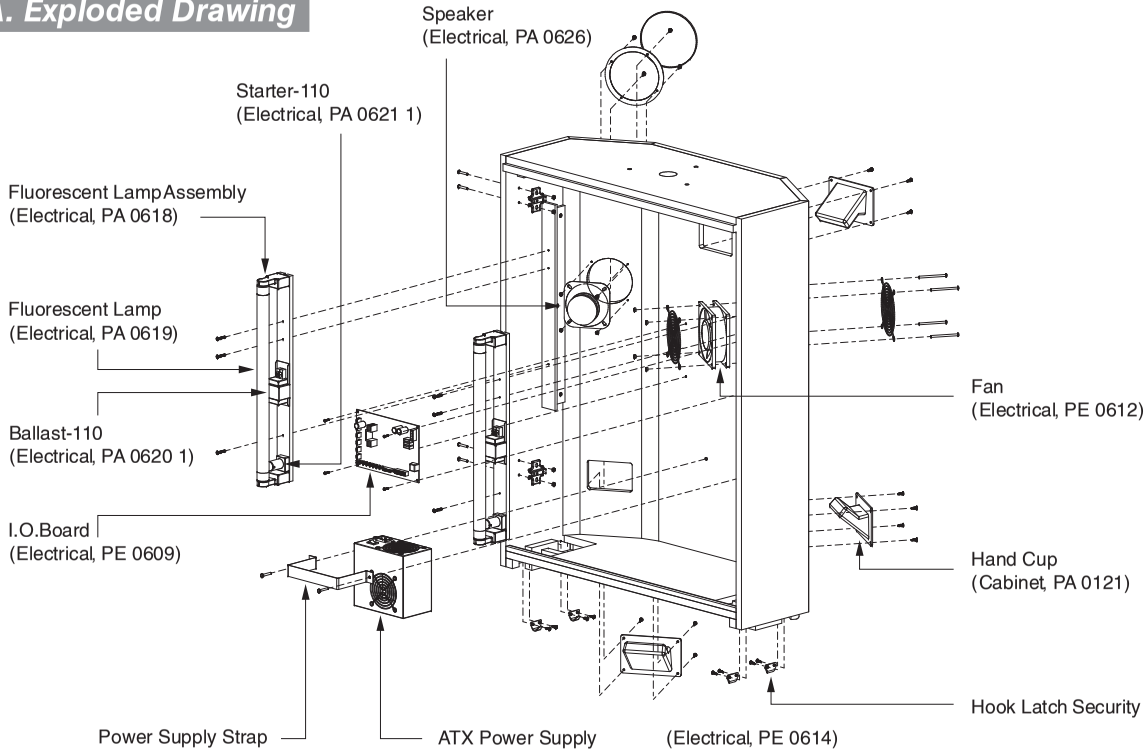


Figure 5.1: Exploded Upper Cabinet eTEC (T)

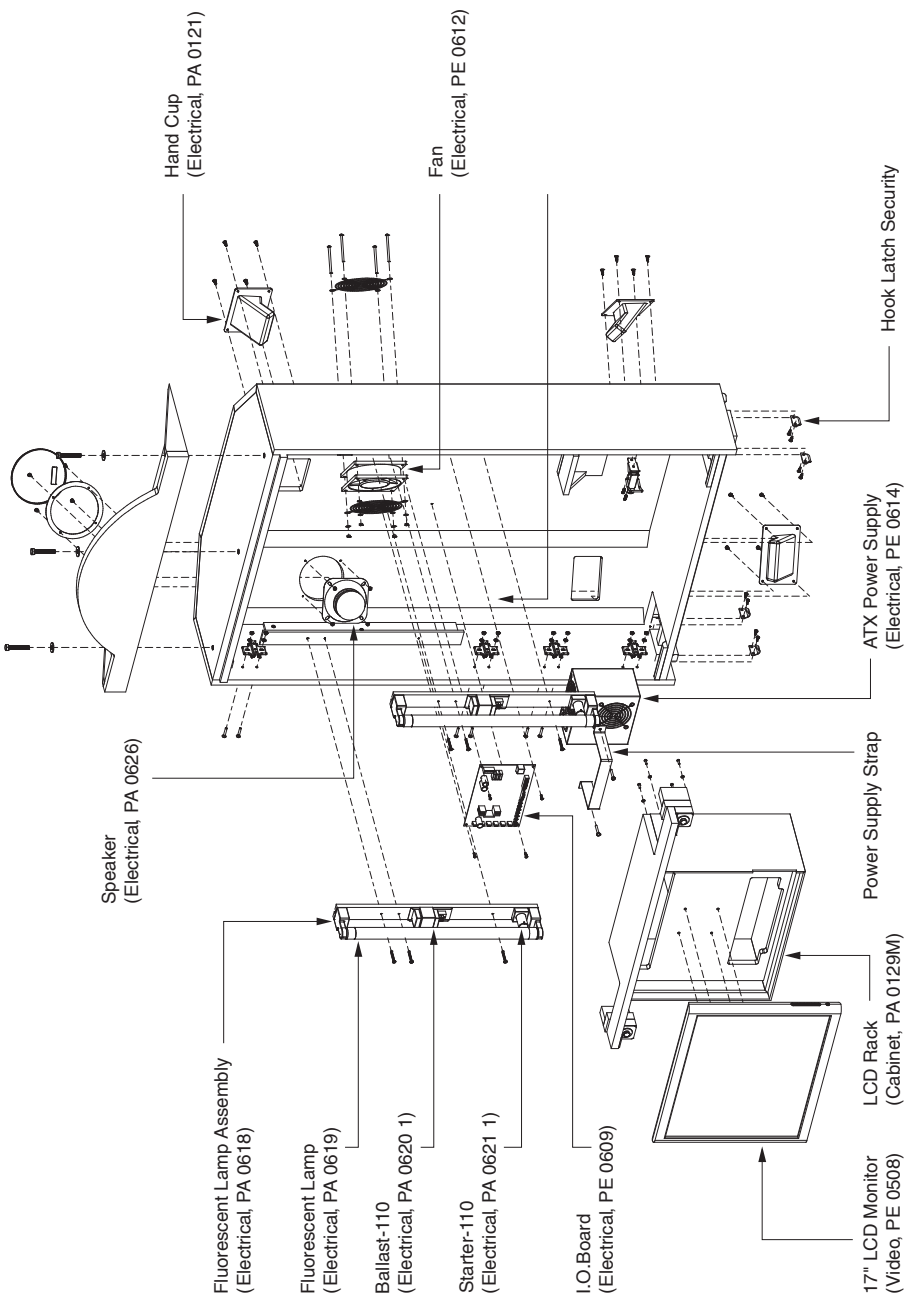


Figure 5.2: Exploded Upper Cabinet e-TEC (M)

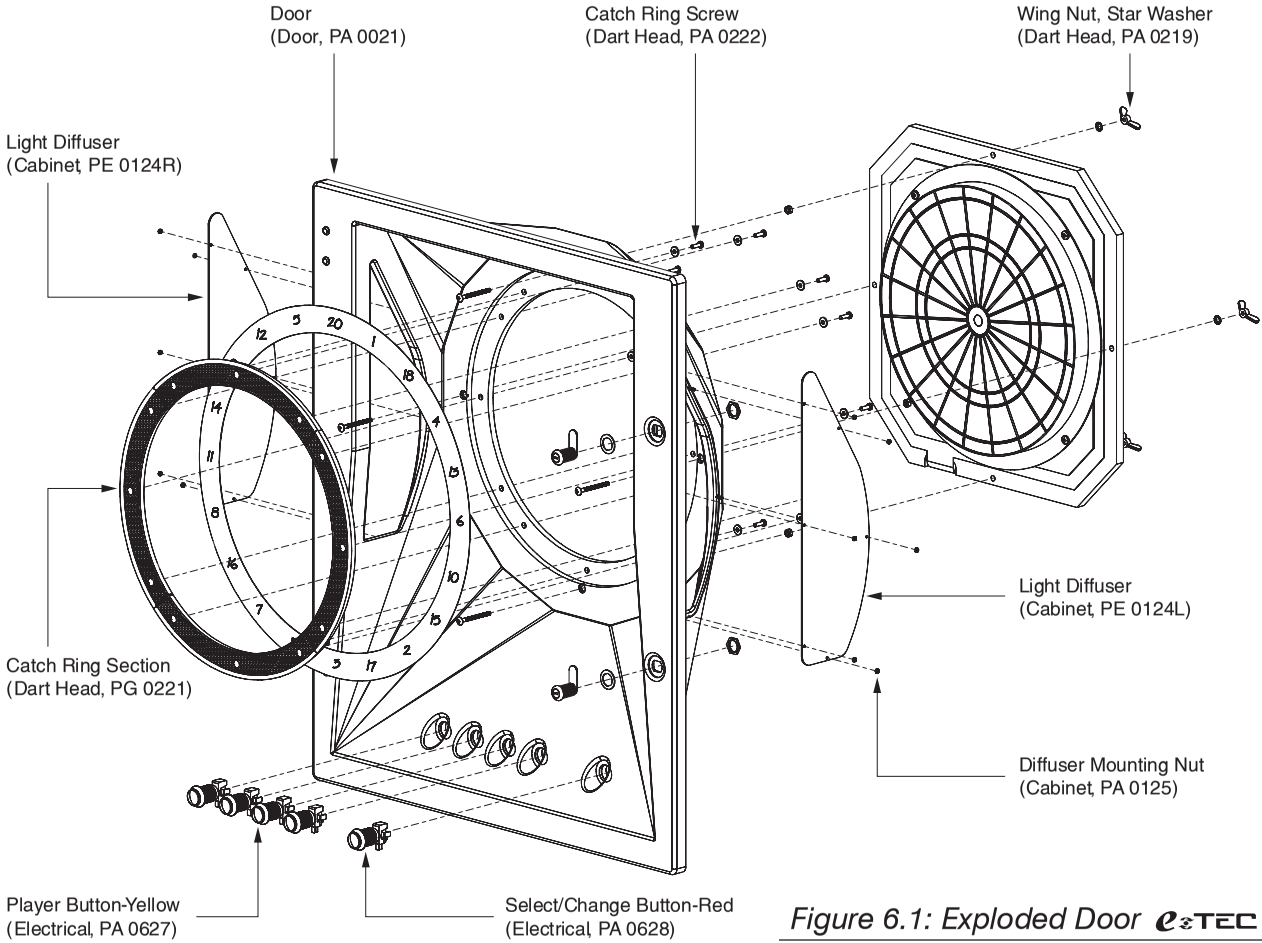


Figure 6.1: Exploded Door eTEC (T)

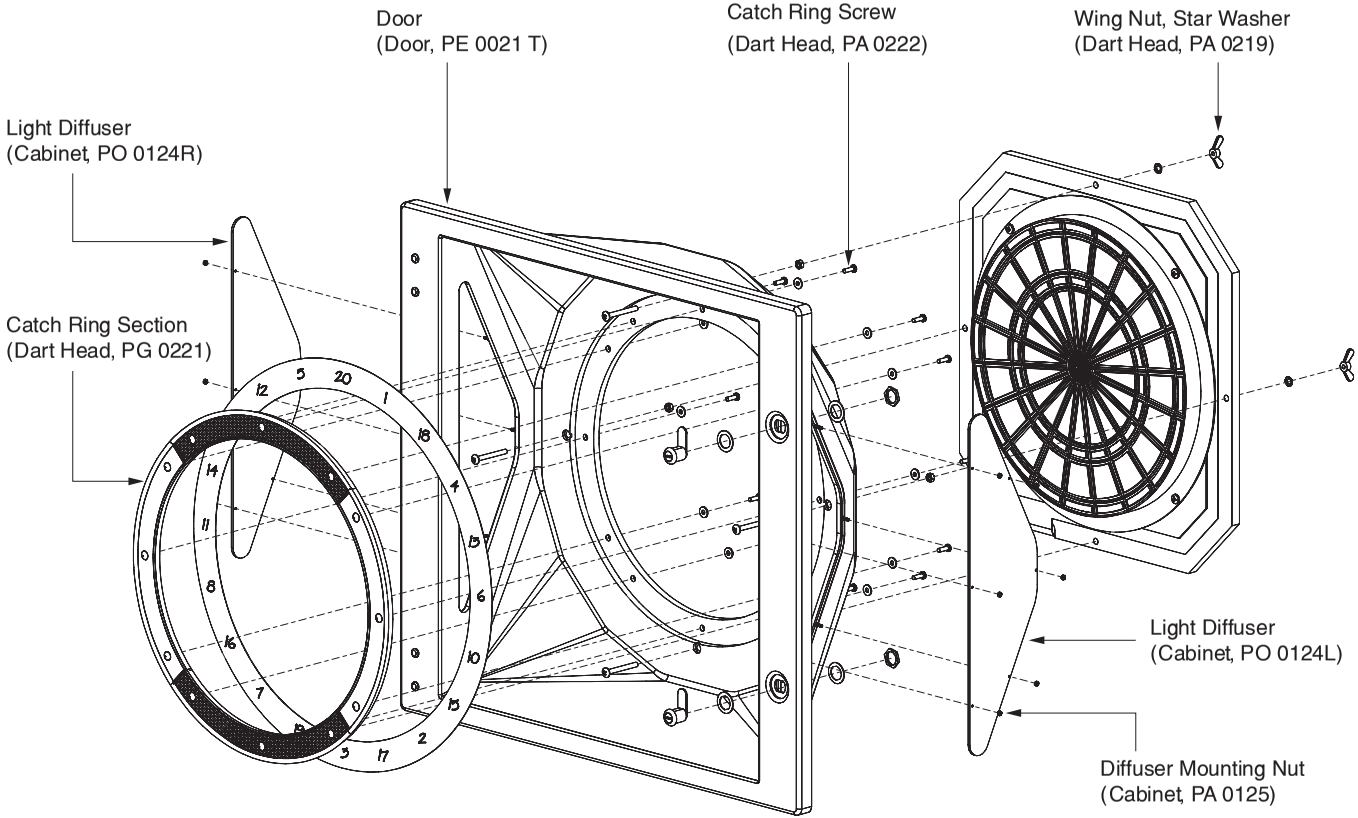


Figure 6.2: Exploded Door e-TEC (M)

Table Of Contents

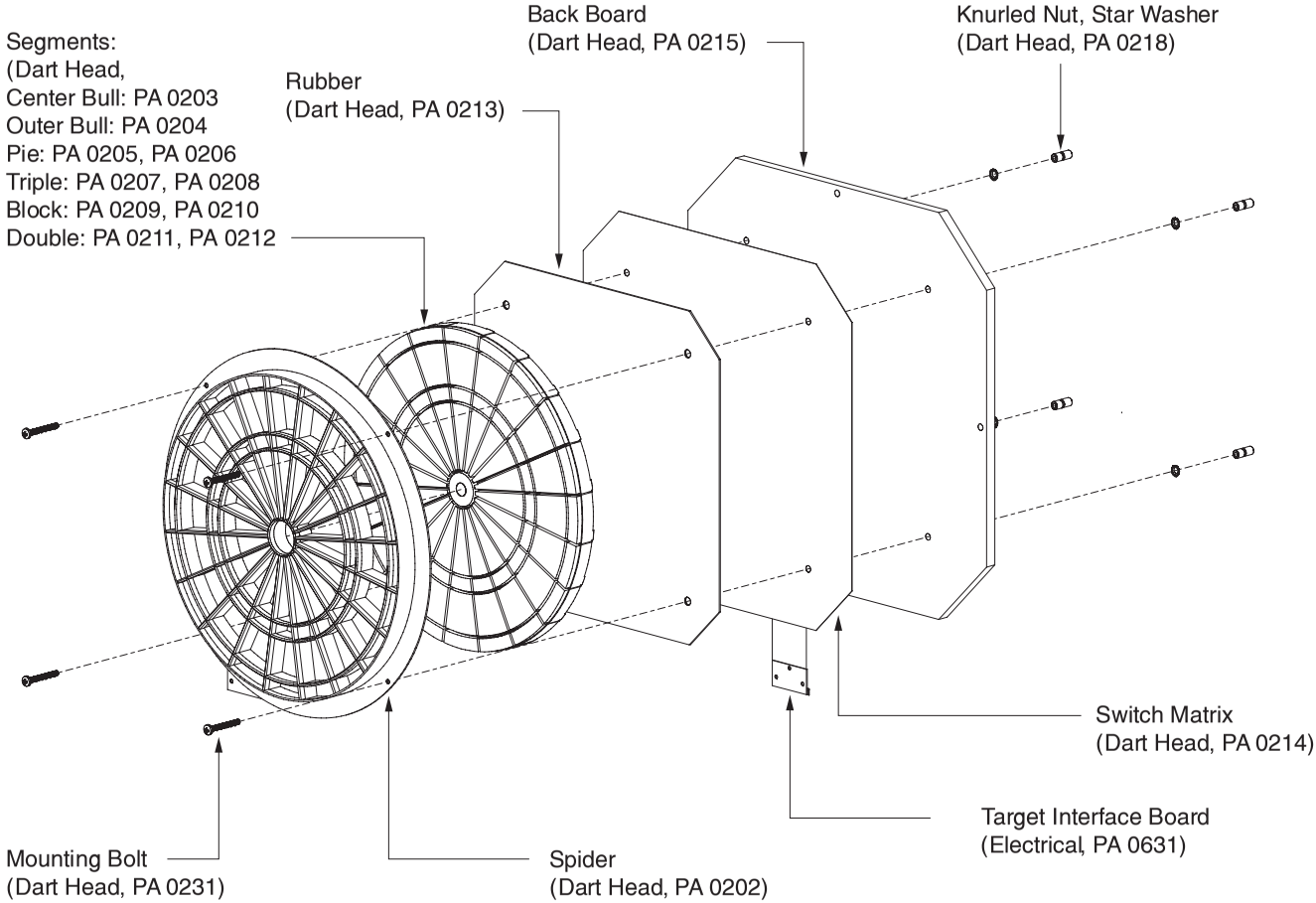


Figure 7: Exploded Dart Head

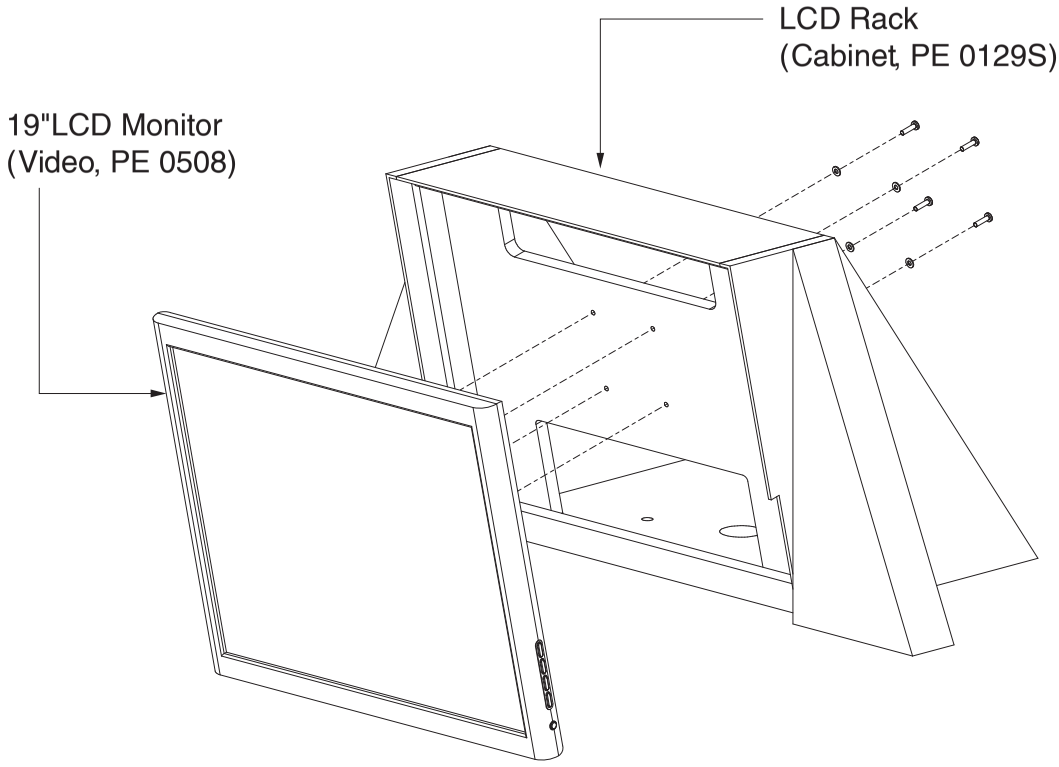


Figure 8: Exploded Monitor Unit eTEC (T)

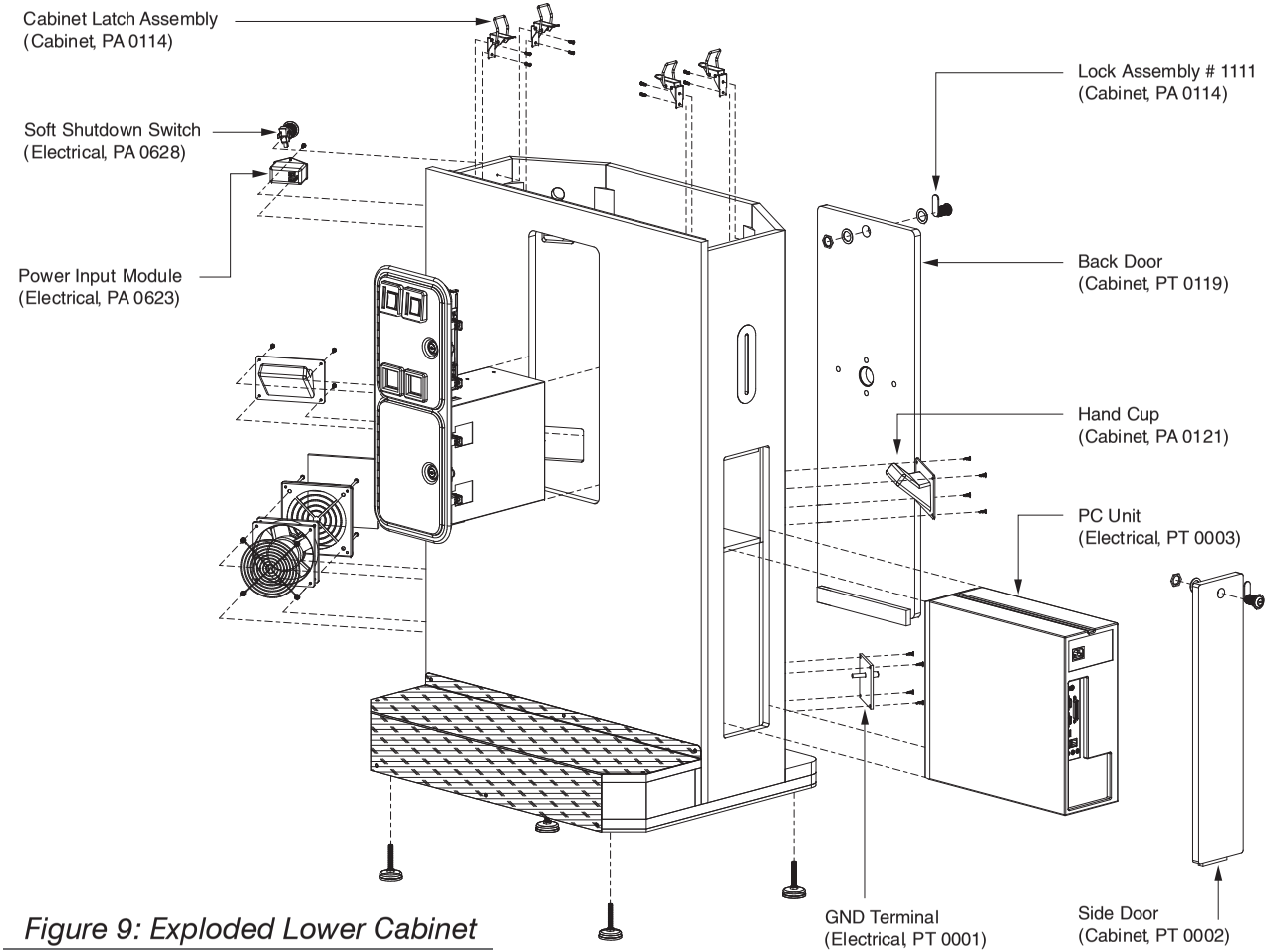


Figure 9: Exploded Lower Cabinet

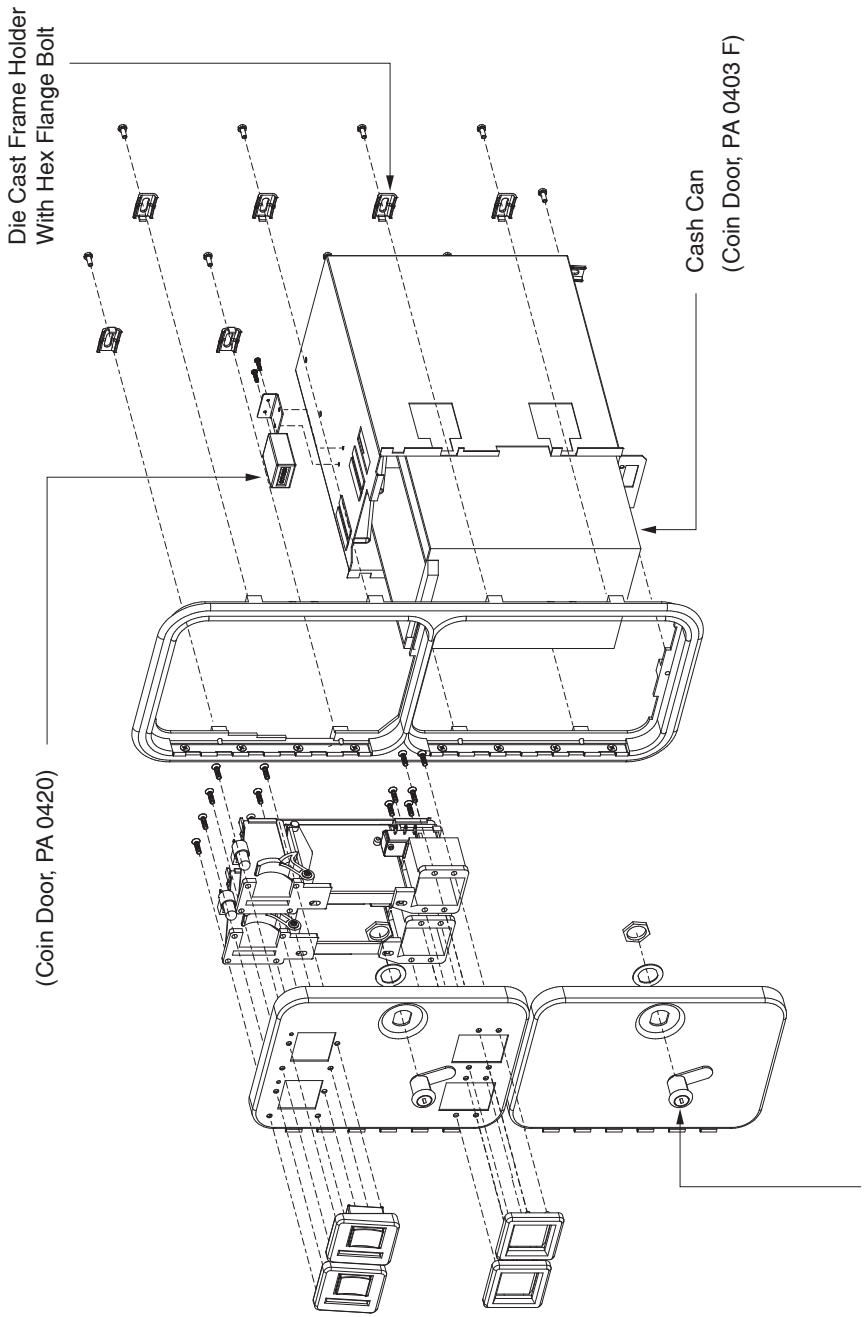


Figure 10: Exploded Coin Door

6B. I.O. Board Layout

Port	Description	Input	Output
CN1	Load Program ISP	4	-
CN2	RS232 Communication	1	1
CN3	DC Power	-	-
CN4	Audio Signal Input	1	-
CN5	Audio Signal Output To Speaker	-	1
CN6	Target Input	16	4
CN7	Button/Lights	5	5
CN8	Input Signal Of Coin Count-Up.	2	-
CN9	Player Change Sensor	1	-
CN10	Missed Dart Sensor	1	-
CN11	Bill Validator Input	1	-
CN12	Soft Power Down	1	-
CN13	Coin Box Sensor	1	-
CN14	Spare Input 1	1	-
CN15	Spare Input 2	1	-
CN16	Spare Input 3	1	-
CN17	Spare Input 4	1	-
CN18	Coin Counter 1	-	1
CN19	Coin Counter 2	-	1
CN20	Meter Counter	-	1
CN21	Flashing Lights	-	1
CN22	Solid State Switch 1	-	1
CN23	Solid State Switch 2	-	1
CN24	Spare Output 1	-	1
CN25	Spare Output 2	-	1
CN26	Spare Output 3	-	1
CN27	Spare Output 4	-	1
CN28	Spare Output 5	-	1

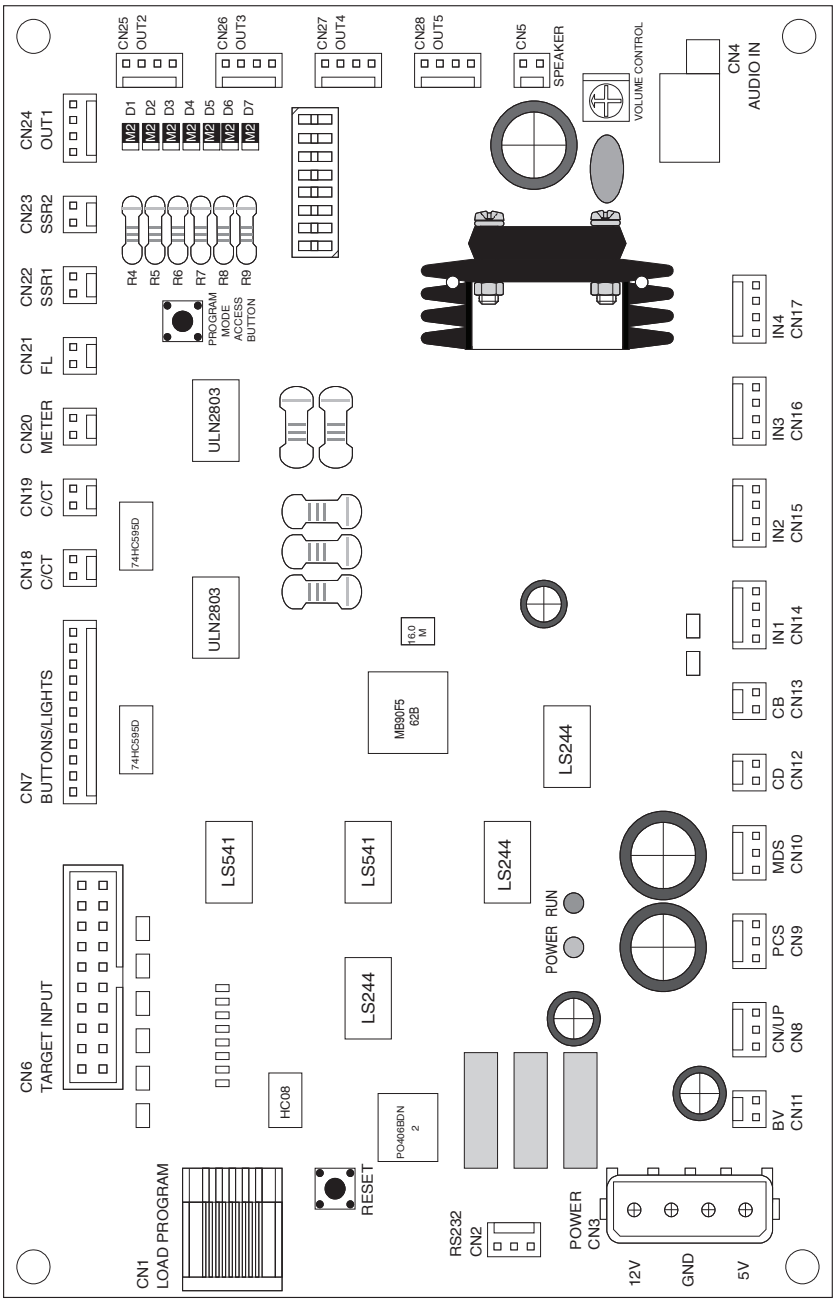


Figure 11: I.O. Board Layout

Table Of Contents

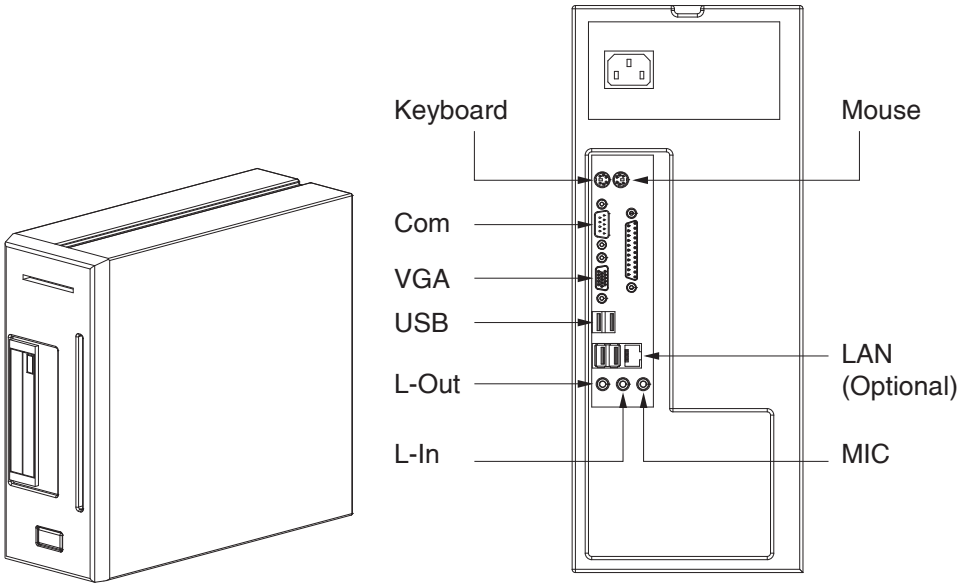
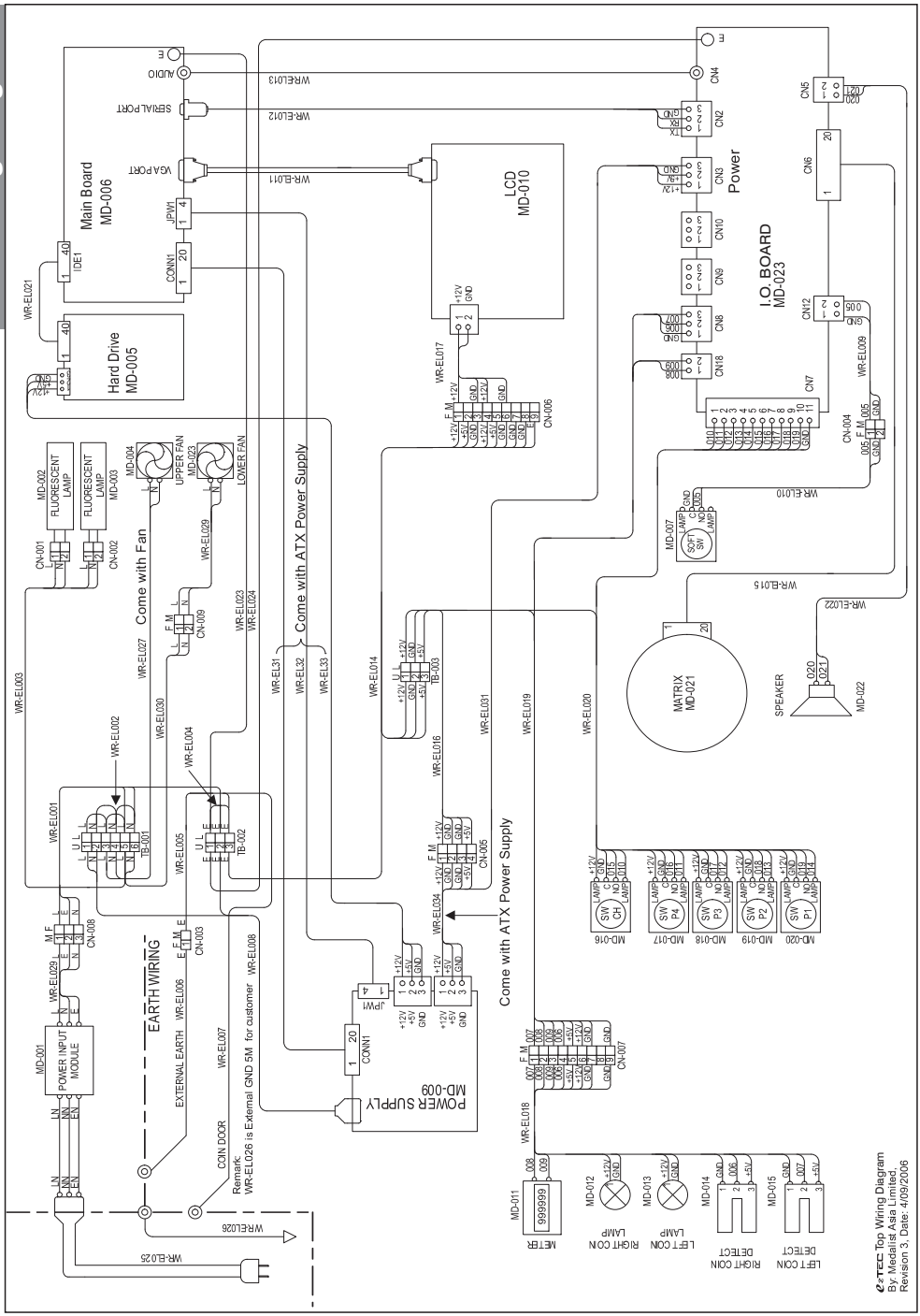


Figure 12: Back Panel Of PC Unit

Name	Function	Connect to
AC Power Input	Supply AC Power To PC Unit	AC Power
Com Port	Serial Communication With I.O. Board	DB9 Cable
VGA Port	Send Video Signal To Monitor	VGA Cable
USB Port	Multi-Function - Software Update - Camera	Thumb Drive, Camera Cable
Audio Signal Out	Send Audio Signal To I.O. Board	Audio Cable



e-TEC Top Wiring Diagram
By: Medalist Asia Limited.
Revision 3. Date: 4/09/2006

Table Of Contents

7 - Troubleshooting

No Power

1. Check for correct voltage at wall receptacle using digital voltmeter.
2. Check fuse with digital voltmeter or continuity tester.
3. Remove power cord and check wiring from AC power cord to power supply.
4. Reapply power cord and check for correct voltage at power supply AC input plug.
5. Check on/off switch with digital voltmeter or continuity tester.
6. Check AC power cord.

No Display On LCD

1. Check power to LCD.
2. Check the VGA cable.
3. If the motherboard has been replaced but does not start, you may need to press the soft power button at the front the PC Unit.
4. If the motherboard appears to be booting up but there is still no display the LCD may need to be replaced.

No Sound

1. Check the volume control on the I.O. board.
2. Check for proper connections at the main board, I.O. board and speaker.
3. If the connections are good and there is still no sound, the speaker may need to be replaced.

No Lamps

1. If one side is working, swap lamps and starters to determine if either is defective.
2. If neither side is working, check for correct voltage at the lamp connector located just below the lamp holder.
3. If the voltage is correct, install a new lamp and/or starter.

No Lamps (Continued)

4. If voltage is not present, trace the wiring back to the terminal strips located behind the power supply using a digital voltmeter.
5. If voltage is present but lamps do not work, install a new lamp holder.

No Coin-up

1. Check wiring from the coin switches to the I.O. board connector CN 8.
2. Manually short ground pin to the center pin of connector CN 8 on the I.O. board using a small metal screwdriver and check for coin-up.
3. If the dart board can be manually coined-up at the I.O. board, the problem is the wiring or the coin switches.
4. If the dart board cannot be coined-up at the I.O. board, the I.O. board may need to be replaced.

Stuck Segment

1. Unplug the ribbon cable from the target interface board. If the stuck segment error message goes away, the problem is in the dart head assembly.
   - If the problem is in the dart head assembly, first remove and clean the rubber and matrix and remove all tips from behind the rubber as well as in and around the target segments
   - The rubber may need to be replaced if it is severely indented
   - The matrix may need to be replaced if the problem still exists
2. Unplugging the ribbon cable from the target interface board does not eliminate the stuck segment error message, re-install ribbon cable into the target interface board and remove the other end from the I.O. board located inside the upper cabinet.
   - If the problem goes away, the ribbon cable may need to be replaced
   - If the problem does not go away, the target interface board may need to be replaced

8 - Software Setting

To access the Spectrum eTEC software on the I.O. board, find and press the S2 PM black button on the I.O. board. This will take you to the Program Mode. Changes to Games, Display, Date & Time, the File and the Board itself can be made from here. You may also run Diagnostics and check Reports. Use the Red Player Change Button to scroll to a desired category and then any Yellow Player Button to select that category.

Selecting Game Settings

1. NEW
2. 01 Games
3. Cricket Games
4. Practice Games
5. Goodtime Games
   - Selecting any of these first four options will allow you to choose if the game is displayed or not, the Happy Hour and Regular Price Credits, Round Limit, Single or Double Bull, Robo Rival (depending on game), Extended Play Credits and Extended Play Rounds
6. Game Options
   - Selecting this brings up a submenu with 01 Games, Cricket Games, Practice Games, Goodtime Games, Match Play Settings, and General Settings
   - 01 Games, Cricket Games, Practice Games and Goodtime Games will show the options for those games. Selecting the option will allow you to take it off the menu or charge for using the option in a game
   - General Settings will allow you to change the number of times Correct-A-Dart can be used. General Settings allows you to turn on/off Handicapping, Non Cut-Throat Games, Medalist Rating, Out Chart Displayed and Freeze Warning
     You can also set the pricing for Doubles and Trios in League and select the stat format (PPD/PPR)

Selecting Game Settings (Continued)

7. Player Pix Options
   - Set Happy Hour and Regular Pricing. Password allows you to give a password to the location in case they would like to delete pix that have been placed on the board thus saving a service call (to use set password, enter Player Pix screen and press Yellow Player Buttons 2 and 3 simultaneously, then enter password using player buttons and follow instructions to delete) Set the amount of time before the picture is snapped and set the number of times password may be tried, and also time between password retry

Selecting Display Settings

1. Language
   - Changes instructions to the selected language
2. Top Ten List
   - Brings up submenu with Count-Up, Cricket Count-Up, Eagles Eye, Half-It, Super Count-Up and Super Cricket Count-Up
   - Selecting any of these will allow you to view and edit list, clear current list and set the amount of time before the list clears automatically or if the list is displayed at all

Selecting Date And Time Settings

1. Date & Time
   - Changes date and time displayed by board
2. Pricing
   - Displays the days of the week. By selecting a day you can change the pricing for any hour during that day from Normal Play to Happy Hour or Free Play
3. Auto Soft Shutdown
   - This allows you to set a time when the board will shut down

Selecting Report

1. Event Log
   - Displays all events that happened on the board (i.e. stuck segments or buttons)
2. Counters
   - Shows coin and bill amounts that have gone into the board

Selecting Report (Continued)

3. Delete Credits
   - Clears any credits currently on the board
4. Delete Photos
   - Brings up a screen to show you how to delete any photos currently on the dart board

Selecting Diagnostics

1. Matrix
   - A target will appear on screen. To check your Matrix touch segments on the dart board and see if they correspond to the screen
2. Button And Lights
   - A button panel will appear on screen. Press buttons to test
3. Coin/Bill Latch Test
   - Insert coins or bills and screen will show amount inserted
4. Audio Test
   - A small audio clip will run
5. Video test
   - Test using several standard formats
6. Webcam Test (Digital Camera)
   - Displays camera view, adjust if necessary

Selecting Board Setting

1. Credit Settings
   - Choose credits for pulses to be selected
2. Anti-Free Darts
   - Turned on or off and select amount of darts thrown before warning will sound
3. Operator Settings
   - Turne on/off : Power Recovery, Extended Play, Erase Credits Timer and Free Play features
   - Change the amount of time from when a player hits the Red Player Change Button to the next player's turn
   - Enable or disable Automatic Player Change and change the amount of time between player's turn
   - Enable or disable Match-It

Selecting File Load Setting

Selecting File Load Setting allows you to load either Factory Settings 1, 2 or 3.

Game	Factory Setting 1	Factory Setting 2	Factory Setting 3
01			
301	1	1	1
501	2	2	4
701	3	3	4
901	4	4	4
1101	5	5	4
1501	6	6	4
Cricket			
Standard	3	2	4
Random	3	2	4
Select-A	3	2	4
Hidden	3	2	4
U Pick-I Pick	3	2	4
Team			
Practice			
Count-Up	1	1	2
Cricket Count-Up	1	1	2
Eagles Eye	1	1	2
Rotation	1	1	2
Polarity	2	1	3
Super Count-Up	2	1	3
Super Crk Count-Up			
Goodtime			
Air Attack	2	1	2
Out-On-A-Lim	2	1	2
Ladies & Gentlemen	2	1	2
Splat	2	2	2
Half-It			

Figure 13: Factory Settings

Program Mode

Game Settings/Display Settings/Date & Time Settings/Report/Diagnostics/Board Settings/File

To access the program mode press and hold S2 PM button in the upper left hand corner of the I.O. board

Game Settings

- **New!!!**
  - Air Attack
  - Thin Ice
  - Super Count-Up
  - Game Menu
    - Display on Menu (Y/N)
    - Happy Hour Credits #
    - Regular Play Credits #
    - Round Limits #
    - Bullseye Single/Double)
    - Robo Rival(Y/N)
    - Extended Play Credits #
    - Extended Play Round #
- **01 Games**
  - 301
  - 501
  - 701
  - 901
  - 1101
  - 1501
  - Game Menu
    - Display on Menu (Y/N)
    - Happy Hour Credits #
    - Regular Play Credits #
    - Round Limits #
    - Bullseye Single/Double)
    - Robo Rival(Y/N)
    - Extended Play Credits #
    - Extended Play Round #
- **Cricket Games**
  - Standard
  - Random
  - Select-A
  - Hidden
  - U-Pick I-Pick
  - Team
  - Game Menu
    - Display on Menu (Y/N)
    - Happy Hour Credits #
    - Regular Play Credits #
    - Round Limits #
    - Bullseye Single/Double)
    - Robo Rival(Y/N)
    - Extended Play Credits #
    - Extended Play Round #
- **Practice Games**
  - Count Up
  - Cricket Count Up
  - Eagles Eye
  - Half It
  - Rotation
  - Game Menu
    - Display on Menu (Y/N)
    - Happy Hour Credits #
    - Regular Play Credits #
    - Round Limits #
    - Bullseye Single/Double)
    - Robo Rival(Y/N)
    - Extended Play Credits #
    - Extended Play Round #
- **Good Time Games**
  - Out On A Lim
  - Splat
  - Ladies & Gentlemen
  - Game Menu
    - Display on Menu (Y/N)
    - Happy Hour Credits #
    - Regular Play Credits #
    - Round Limits #
    - Bullseye Single/Double)
    - Robo Rival(Y/N)
    - Extended Play Credits #
    - Extended Play Round #
- **Game Options**
  - 01
  - Cricket
  - Practice
  - Good Time
  - League Settings
  - Match Play Settings
  - General Settings
    - **01 Games**
      - All 01
        - Shanghai
        - Double In
        - Double Out
        - Master Out
        - Parity Play
        - Fast Finish
        - Team Play-Split
        - Displayed (Y/N)
        - Single Option Cost #
        - Multi Option Cost #
      - Cricket Games
        - All Cricket
        - General Settings
        - Overkill Feature (Y/N)
      - Practice Games
        - Half It
        - Master Half It
        - Grand Master Half It
        - Displayed (Y/N)
        - Single Option Cost #
        - Multi Option Cost #
      - Good Time Games
        - Splat
        - Double In
        - Double Out
        - Master Out
        - Triple In
        - Triple Out
        - Master Splat!
        - Displayed (Y/N)
        - Single Option Cost #
        - Multi Option Cost #
      - General Settings
        - Correct-A-Dart Limits #
        - Handicapping (On/Off)
        - Non Cut Throat Games(Y/N)
        - Stat Format PPD/PPR
        - Medalist Rating (Y/N)
        - Out Chart Displayed (Y/N)
        - Freeze Warning (Y/N)
      - League Settings
        - Displayed (Y/N)
        - League Doubles Credits/Player $
        - League Trios Credits/Player $
        - Playoff Doubles Credits/Player $
        - Playoff Doubles Credits/Player $
        - Auto Handicap (On/Off)
    - **Match Play Settings**
      - '01-'01-'01
        - 301-301-301
        - 501-501-501
        - 701-701-701
        - 901-901-901
        - Displayed On Menu (Y/N)
        - Singles Credit(s) #
        - Doubles Credit(s) #
        - Trios Credit(s) #
      - Cricket-Cricket-Cricket
        - Cricket-Cricket-Cricket
        - Displayed On Menu (Y/N)
        - Singles Credit(s) #
        - Doubles Credit(s) #
        - Trios Credit(s) #
      - '01-Cricket-'01
        - 301-Cricket-301
        - 501-Cricket-501
        - 701-Cricket-701
        - 901-Cricket-901
        - Displayed On Menu (Y/N)
        - Singles Credit(s) #
        - Doubles Credit(s) #
        - Trios Credit(s) #
      - Cricket-'01-Cricket
        - Cricket-301-Cricket
        - Cricket-501-Cricket
        - Cricket-701-Cricket
        - Cricket-901-Cricket
        - Displayed On Menu (Y/N)
        - Singles Credit(s) #
        - Doubles Credit(s) #
        - Trios Credit(s) #
      - '01-Cricket-Choice
        - 301-Cricket-Choice
        - 501-Cricket-Choice
        - 701-Cricket-Choice
        - 901-Cricket-Choice
        - Displayed On Menu (Y/N)
        - Singles Credit(s) #
        - Doubles Credit(s) #
        - Trios Credit(s) #
- **Player Pix Options**
  - Happy Hour Credits #
  - Regular Price #
  - Password #
  - Retry #
  - Capturing Delay(secs) #
  - Password Delay(mins) #

Display Settings

- **Language**
  - Language (Select)
  - Sp
  - Eng
  - Jp
- **Top 10 List**
  - Count Up
  - Cricket Count Up
  - Eagles Eye
  - Half It
  - Super Count Up
  - Super Crk C-U
  - View/Edit List
  - Clear Current List
  - Name Clear After # Of Weeks/Never
  - Top Ten List (On/Off)

Date & Time Settings

- **Date & Time**
  - Month
  - Day
  - Year
  - Hour
  - Minute
  - AM/PM
  - Click Player Button To Change Setting
- **Pricing**
  - Sunday
  - Monday
  - Tuesday
  - Wednesday
  - Thursday
  - Friday
  - Saturday
  - Day Of Week
  - Edit
  - Default
  - Use Player Button To Change Options
- **Auto Soft Shutdown**
  - Enable (Y/N)
  - Hour
  - Minute
  - AM/PM
  - Click Player Button To Change Setting

Report

- **Event Log**
  - From (Date)
  - To (Date)
  - Time & Day Of Event If None To Display
  - Press Player Button
- **Counters**
  - From (Date)
  - To (Date)
  - Non-Resetable Counter Total
  - L R Bill
  - ####
  - Resetable Counter Total
  - L R Bill
  - ####
  - Service Counter Total
  - L R Bill
- **Delete Credits**
  - Selecting Will Delete Credits On The Board And Keep You In The Report Screen
- **Delete Photos**
  - Photo Press Player Button To Exit
  - Press Player Change Button For Next Pic
  - Hit Any Target Segment To Delete Pictures

Diagnostics

- **Matrix**
  - Screen Shows Dart Board
  - Touch Each Segment To Test
  - Press Player Change Button To Exit
- **Button & Lights**
  - Shows A Button Panel
  - Press Button To Test
  - Press Segment To Exit
- **Coin/Bill Latches**
  - Screen Has 6 Latches Coin 1, Coin 2 Coin 3, Coin 4 Coin 5, Coin 6
  - Symbols Will Appear When You Coin Up Game
  - Press Player Change Button To Exit
- **Audio Testes**
  - Pressing Will Play A Small Audio Clip
- **Video Test**
  - Cross Hatch Color Bar Black Screen White Screen Borders
  - Selecting Will Give You That Screen
- **Web Cam Test**
  - Pressing Will Allow You To View The Camera And Adjust Focus

Board Settings

- **Credit Settings**
  - Coin1 Slot# Coin = # Credit
  - Coin2 Slot# Coin = # Credit
  - Coin3 Slot# Coin = # Credit
  - Coin4 Slot# Coin = # Credit
  - Coin5 Slot# Coin = # Credit
  - Counter Ratio: Coin1 # Coin = # Tick
- **Anti-Free Darts**
  - Enabled (Y/N)
  - Free Darts # Free Darts
- **Operator Settings**
  - Power Recovery (On/Off)
  - Over Time Extended Play Sudden Death No Winner Off
  - Erase Credits Timer (ON/Off)
  - Player Change Delay (# Seconds)
  - Automatic Player Change (ON/Off)
  - Free Play (Y/N)
  - Match It (Disable/Enable)

File

- Load Settings
  - Factory 1 Setting
  - Factory 2 Setting
  - Factory 3 Setting
  - Selecting Will Load Setting

Table Of Contents

For more information about software updating , please visit www.medalistasia.com

Mida-Medalist

Master Parts List

For

Genesis

Avanti

ELITE (T)

ELITE (M)

Omni

Ion

eTEC

Dart Boards

Table Of Contents

Upper Cabinet

Item Code	Description
PA 0001	**Avanti** - for top mount dart board; includes wiring harness, speaker with cover, light assemblies, fan with guards, hand cups, power input module, side mount plugs, main board mounts, latch hooks, LCD power harness
PE 0001 0	**Elite (T) Model O*** - for top mount dart board; includes wiring harness, speaker with cover, light assemblies, fan with guards, hand cups, power input module, static plate with main board mounts, latch hooks, camera plugs, terminal blocks, I.O. mounts, LCD power harness *Original model of Elite with vertical alignment slot (Japan only)
PE 0001 C	**Elite (T) Model C*** - same as Elite (T) Model O *Current model of Elite with horizontal alignment plate
PE 0001 M	**Elite (M)** - for mid mount dart board; includes wiring harness, speaker with cover, light assemblies, fan with guards, hand cups, power input module, static plate with main board mounts, latch hooks, camera plugs, terminal blocks, I.O mounts, LCD mounting rack, LCD power harness

Item Code	Description
PO 0001	**Omni**- for mid mount dart board; includes wiring harness, speaker with cover, light assemblies, fan with guards, hand cups, power input module, main board mounts, latch hooks, camera plugs, terminal blocks, LCD mounting rack, LCD power harness
PI 0001	**Ion** - to be defined

Lower Cabinet

Item Code	Description
PA 0011	**Avanti**- for top mount dart board; includes leg levelers, ground wire, complete coin door assembly (without coin mechs), meter, back door with lock, mail slot cover, latches, wiring harness, decals
PE 0011 O	**Elite (T) Model O***- for top mount dart board; includes leg levelers, ground wire, complete coin door assembly (without coin mechs), meter, back door with lock, mail slot cover, latches, vent grill, wiring harness, decals *Original model of Elite with vertical alignment slot (Japan only)
PE 0011 C	**Elite (T) Model C***- same as Elite (T) Model O *Current model of Elite with alignment plate
PE 0011 M	**Elite (M)**- for mid mount dart board; includes leg levelers, ground wire, complete coin door assembly (without coin mechs), meter, back door with lock, mail slot cover, latches, vent grill, wiring harness, decals

Item Code	Description
PO 0011	**Omni** - for mid mount dart board; includes leg levelers, ground wire, complete coin door assembly (without coin mechs), meter, back door with lock, mail slot cover, latches, vent grill, wiring harness, decals
PI 0011	**Ion** - to be defined

Door

Item Code	Description
PA 0021	**Top Mount**- includes hinges with mounting hardware, locks, light diffusers, buttons - ***target and decals not included***
PE 0021 T	**Mid Mount - Target** - includes hinges with mounting hardware, locks, light diffusers, buttons - ***target and decals not included***
PE 0021 L	**Mid Mount - LCD** includes hinges with mounting hardware, latch, buttons - ***decals not included***
PI 0021	**Ion** - to be defined
PA 0022	**Full Size - Bare** all top mount boards made in Thailand
PA 0023	**Half Size - Bare** target door for all mid mount boards made in Thailand

Table Of Contents

Cabinet

Item Code	Description
PT 0002	**Side Door** - eTEC
PG 0101	**Leg Leveler - Genesis**
PA 0101	**Leg Leveler** - all boards made in Thailand
PA 0102	**Step** - with rubber and trim decal not included
PA 0103	**Step Rubber**
PA 0104	**Step Trim**
PA 0105	**Bolt** - all applications on all boards made in Thailand, 8MM x 50MM
PA 0106	**Washer** - all applications on all boards made in Thailand
PA 0107	**Nutsert** - all applications on all boards made in Thailand
PG 0107	**Nutsert - Leg Leveler - Genesis**
PA 0108	**Standoff - Genesis, Ion** plastic
PE 0109	**Static Plate** - with metal standoffs
PE 0137	**Mounting Strap - Power Supply** - with hardware, for 350 ATX
PA 0110	**Mounting Screw** black, #4 - 16MM
PA 0111	**Cable Clamp - Large**
PA 0112	**Cable Clamp - Small**

Item Code	Description
PA 0131	**Ribbon Cable Clamp** - with clip
PA 0142	**Ribbon Cable Hanger**
PG 0113	**Hinge Assembly Genesis** - with bolts and nuts
PA 0113	**Hinge Assembly** - all boards made in Thailand, with cabinet and door mounting hardware
PA 0139	
	Hinge Safety Screw
PA 0114	**Cabinet Latch Assembly** - all boards made in Thailand , with screws
PG 0116	**Lock Assembly Genesis** - cabinet, 415
PA 0140	**Lock Assembly** - all boards made in Thailand, cabinet, 1111
PA 0141	**Lock Assembly - Coin Door** - universal, 2000
PG 0117	**Challenge Rack** - Genesis
PA 0118	**Mail Slot Cover** - with nails
PA 0119	**Back Door** - with lock
PA 0120	**Stabilizer Bracket**
PA 0121	**Hand Cup** - with screws
PA 0122	**Cable Hole Plug** - large

Item Code	Description
PA 0123	**Mount Hole Plug** small
PG 0124 L	**Light Diffuser - Genesis** left
PG 0124 R	**Light Diffuser - Genesis** right
PE 0124 L	**Light Diffuser** - all top mount boards made in Thailand, left
PE 0124 R	**Light Diffuser** - all top mount boards made in Thailand, right
PO 0124 L	**Light Diffuser** - all mid mount boards made in Thailand, left
PO 0124 R	**Light Diffuser** - all mid mount boards made in Thailand, right
PI 0124	**Light Diffuser - Ion**
PA 0125	**Diffuser Mount Nut** with washer
PI 0127	**Plexi Panel - Ion**
PE 0129 S	**LCD Rack -19" - Sinai** tilt configuration, with plastic wings, ***decals not included***
PA 0128	**LCD 15" Plastic Wing** ***decal not included***
PE 0128	**LCD 17" Plastic Wing** ***decal not included***
PA 0129 M	**LCD Mid Mount Rack - 17"**
PA 0143	**LCD Button Cover** black metal, with screws

Item Code	Description
PA 0144	**LCD Bracket - Genesis** includes mounting hardware
PA 0130	**Speaker Grill Unit** universal with screws
PE 0133	**Vent Filter**
PE 0134	**Fan Guard**
PE 0135	**Camera Box** with hardware, decal
PE 0136	**Camera Box Hardware** bracket with bolts, nuts and washers
PE 0145	**Crown**- with hardware, decal
PA 0425	**Knockout Plate** cabinet

Decal

Item Code	Description
PA 0300	**Step** - universal
PG 0301	**Distance** - universal
PG 0302	**Star - Cabinet - Genesis And Avanti**
PE 0303	**Star - Cabinet - Genesis Kit** upgraded to Elite
PE 0304	**Spectrum - Cabinet** all boards except Genesis
PA 0305	**Swoop - Genesis And Avanti** grey
PE 0306	**Swoop - Elite** - orange - all kits, all boards except Genesis
PG 0307	**Button - Genesis**
PE 0307	**Button - Genesis Kit**
PE 0307 T	**Button - Elite (T)**
PE 0307 M	**Button - Elite (M)**
PO 0307	**Button Omni**
PI 0307	**Button - Ion** - to be defined
PI 0308	**Center - Ion**
PI 0309	**Instruction - Ion** - to be defined

Item Code	Description
PA 0310	**Target Ring - Grey** - Genesis and Avanti
PE 0311	**Target Ring - Black** Elite, Omni, Ion, Genesis and Avanti Kits
PG 0312	**Monitor - Genesis** grey
PE 0312	**Monitor - Genesis Kit** full color
PA 0313	**LCD - Avanti** - grey, 15” wing
PE 0313	**LCD - Full Color** 15”, 17" and 19” wing
PE 0315	**Crown**- Elite (M), Omni
PE 0316	**Camera**
PA 9000	**Throw Line**

Dart Head

Item Code	Description
PA 0201	**Target** - spider with segments only, without catch ring
PA 0202	**Spider**
PA 0203	**Center Bull**
PA 0204	**Outer Bull**
PA 0205	**Pie - Black**
PA 0206	**Pie - Grey**
PA 0207	**Triple - Red**

Table Of Contents

Item Code	Description
PA 0208	**Triple - Blue**
PA 0209	**Block- Black**
PA 0210	**Block- Grey**
PA 0211	**Double- Red**
PA 0212	**Double- Blue**
PG 0221	**Catch Ring Section**-standard thread, US made
PG 0222	**Catch Ring Screw** standard thread
PA 0213	**Rubber**
PA 0214	**Switch Matrix**
PG 0215	**Backboard - Original**-with bushings, Genesis, Avanti and early Elite with latch mounting system, ***hardware not included***
PA 0215	**Backboard - Current**-with wing nut mounting system, ***hardware not included***
PG 0217	**Mounting Stud - Standard**
PA 0217	**Mounting Stud - Metric**
PA 0220	**Latch - Backboard** complete with screws
PG 0218	**Knurled Nut - Standard** with washer, spring washer

Item Code	Description
PA 0218	**Knurled Nut - Metric** - with washer, spring washer
PA 0219	**Wing Nut - Metric** - with washer, spring washer
PA 0223	**Mounting Bolt - Backboard** with lock nut,
	wing nut, washer, spring washer
PA 0231	**Mounting Bolt - Target** with knurled nut, washer, spring washer

Coin Door

Item Code	Description
PA 0401 D	**Coin Only - Dual** - complete except for coin mechs and locks
PA 0401 S	**Coin Only - Single** complete except for coin mech and locks
PA 0402	**Coin And Bill** with bill validator knockout plate, complete except for coin mechs, bill validator and locks
PA 0403 F	**Cash Can - Full Size** plastic
PA 0403 H	**Cash Can - Half Size** plastic
PA 0450	**Coin Mech** - United States, Imonex
PA 0451	**Coin Mech** - Japan 100, Happ
PA 0452	**Coin Mech** - Thailand, Imonex
PA 0453	**Coin Mech** - India, Imonex
PA 0454	**Coin Mech** - Korea 100, Imonex

Table Of Contents

Item Code	Description
PA 0455	**Coin Mech** - Korea 500, Imonex
PA 0458 O	**Coin Mech** - New Zealand 1.00, Imonex
PA 0458 T	**Coin Mech** - New Zealand 2.00, Imonex
PA 0459	**Coin Mech** - Canada, Imonex
PA 0460 O	**Coin Mech** - Australia 1.00, Imonex
PA 0460 T	**Coin Mech** - Australia 2.00, Imonex
PA 0461	**Coin Mech** - Taiwan, Imonex
PA 0405	**Bill Validator With Stacker (300)** $1.00, 5.00, 10.00, 20.00 ICT
PA 0423	**Stacker (500)** - ICT
PA 0428	**Coin Mech Holder Assembly** - includes rejector button, rejector bezel, rejector lamp holder, coin return bezel, coin return flap, upper and lower mech holders, vertical stabilizer, hardware
PA 0429 D	**Frame With Doors - Coin Only - Dual** - includes upper and lower doors, mounting latches with bolts
PA 0429 S	**Frame With Doors - Coin Only - Single** - includes upper and lower doors, mounting latches with bolts
PA 0430	**Frame With Doors - Coin And Bill** - includes upper and lower doors, mounting latches with bolts, bill validator knockout plate

Item Code	Description
PA 0418	**Vault Assembly**
PA 0419	**Coin Separator**
PA 0413 S	**Coin Switch** - with side actuator wire
PA 0420	**Meter**
PA 0421	**Interlock Switch**

Video

Item Code	Description
PA 0508	**LCD 17" - Sinai** - with video cable and power harness for ATX power supply, black plastic case, tempered glass, C grade
PE 0508	**LCD 19" - Sinai** - with video cable and power harness for ATX power supply, black plastic case, tempered glass, C grade
PA 0502	**LCD AD Board** model must be defined
PA 0503	**LCD Inverter Board** model must be defined
PA 0504	**LCD Key Board** universal
PA 0505	**LCD Power Harness** universal
PA 0506	**LCD Video Cable** universal
PE 0502	**LCD 17" AD Board** model must be defined

Table Of Contents

Item Code	Description
PE 0503	**LCD Inverter Board** - model must be defined
PA 0516	**LCD Power Adaptor** - with cord, for Genesis conversions

Electrical

Item Code	Description
PG 0601	**Main Board - Genesis, Avanti, Omni** - with EPROMS, **refurbished, availability unknown**
PG 0602	**EPROM, 8 Meg - Genesis** - programmed
PG 0603	**EPROM, 4 Meg - Genesis** - programmed
PG 0604	**RAM, 128 - Genesis**
PG 0605	**Main Board Battery - Genesis**
PI 0601	**Main Board - Ion** - to be defined
PE 0601	**Main Board - Elite**
PE 0606	**CPU - Elite** - includes fan and heat sink
PE 0607	**RAM, 256 - Elite**
PE 0608	**Hard Drive** - current software
PE 0609	**I.O. Board - Elite**
PE 0611	**Camera**
PE 0610	**HD Rack - Metal** - universal, with fan

Item Code	Description
PE 0630	**Fan - HD**
PE 0612	**Fan - Cabinet** - universal, with guards
PE 0631	**Fan - CPU** - with heat sink
PA 0613	**Target Interface Board**
PE 0614	**Power Supply** ATX, 350W
PG 0615	**Power Supply** Switching
PA 0618	**Fluorescent Lamp Assembly - Elite** with mounting screws
PA 0619	**Fluorescent Lamp**
PE 0620 1	**Ballast - 110 - Genesis**
PG 0621 1	**Fluorescent Lamp Starter - 110** universal
PA 0622	**Lamp - 161**
PA 0623	**Power Input Module** with fuse, all boards made in Thailand
PA 0624	**Fuse** - 5 amp
PG 0625	**Fuse Holder - Genesis**
PA 0676	**Power Cord - Genesis** Type A, B, C, D, G 10A
PA 0676 D	**Power Cord - Elite - United States** Type A 10A

Item Code	Description
PA 0676 Y	**Power Cord - Elite Japan**- Type A 10A
PA 0676 B	**Power Cord - Thailand**- Type A 10A
PA 0676 R	**Power Cord - India** - Type D 10A
PA 0676 W	**Power Cord - Korea**- Type C 10A
PA 0676 P	**Power Cord - United Kingdom**- Type G 10A
PA 0676 E	**Power Cord - Europe**- Type C 10A
PA 0626	**Speaker**- universal, with mounting screws
PA 0627	**Player Button - Yellow** complete
PA 0628	**Select/Change Button - Red**complete
PG 0629	**On/Off Button - Genesis**
PA 0701	**Ribbon Cable** universal
PE 0713	**Terminal Block 3 x 2** universal
PE 0717	**Terminal Block 6 x 2** universal
PA 0229	**Missed Dart Sensor**Piezo
PT 0001	**GND Terminal - CoTEC, Elite**
PT 0003	**PC Unit - CoTEC**

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