

CRT to 19-inch LCD MONITOR CONVERSION KIT #22189402

for ROWE
**NETSTAR
Jukebox**

Installation Instructions Manual

Part No. 22189503
Rev A

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Introduction

This conversion kit is designed to convert the CRT and touchscreen assembly to a LCD flat panel monitor and touchscreen. Keep this manual and all other related instruction materials in a convenient location for service reference and ordering of parts.

Tools Required

- 1/4" Nut Driver

Conversion Kit Contents



(1)



(2)



(3)

Item	Description	Part Number	Qty
(1)	Monitor Panel Assembly <ul style="list-style-type: none"> • Flatscreen 19" • Plug & Cord Straight • Cable- Serial • Cable- Video • Shroud-Monitor • Bracket-Monitor Rail • Clamp-Monitor • Nut, Keps #6-32 Hex S 	40980701 <ul style="list-style-type: none"> • 22160806 • 21121228 • 34038703 • 22164204 • 61192101 • 40977701 • 22208601 • 87842300 	1 <ul style="list-style-type: none"> 1 1 1 1 1 2 4 8
(2)	<ul style="list-style-type: none"> • Installation Instruction Manual 	22189503	1
(3)	<ul style="list-style-type: none"> • Foam Gaskets 	22141511	3
(4)	<ul style="list-style-type: none"> • Label Clamp Monitor (Not Shown) 	<ul style="list-style-type: none"> • 22210002 	1



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Removal Procedures

NOTE: An assistant is recommended to help support components during removal.

NOTE: The Core Computer Assembly in your NetStar may not look identical to the illustration below.

TIPS:

- Save the screws you remove for potential later use.
- We recommend using only hand drivers. The screw bosses are vulnerable to stripping.

Removing CRT Assembly

1. Unplug the jukebox from the wall outlet and open the jukebox door.
2. Make sure the UPS Module is turned OFF.

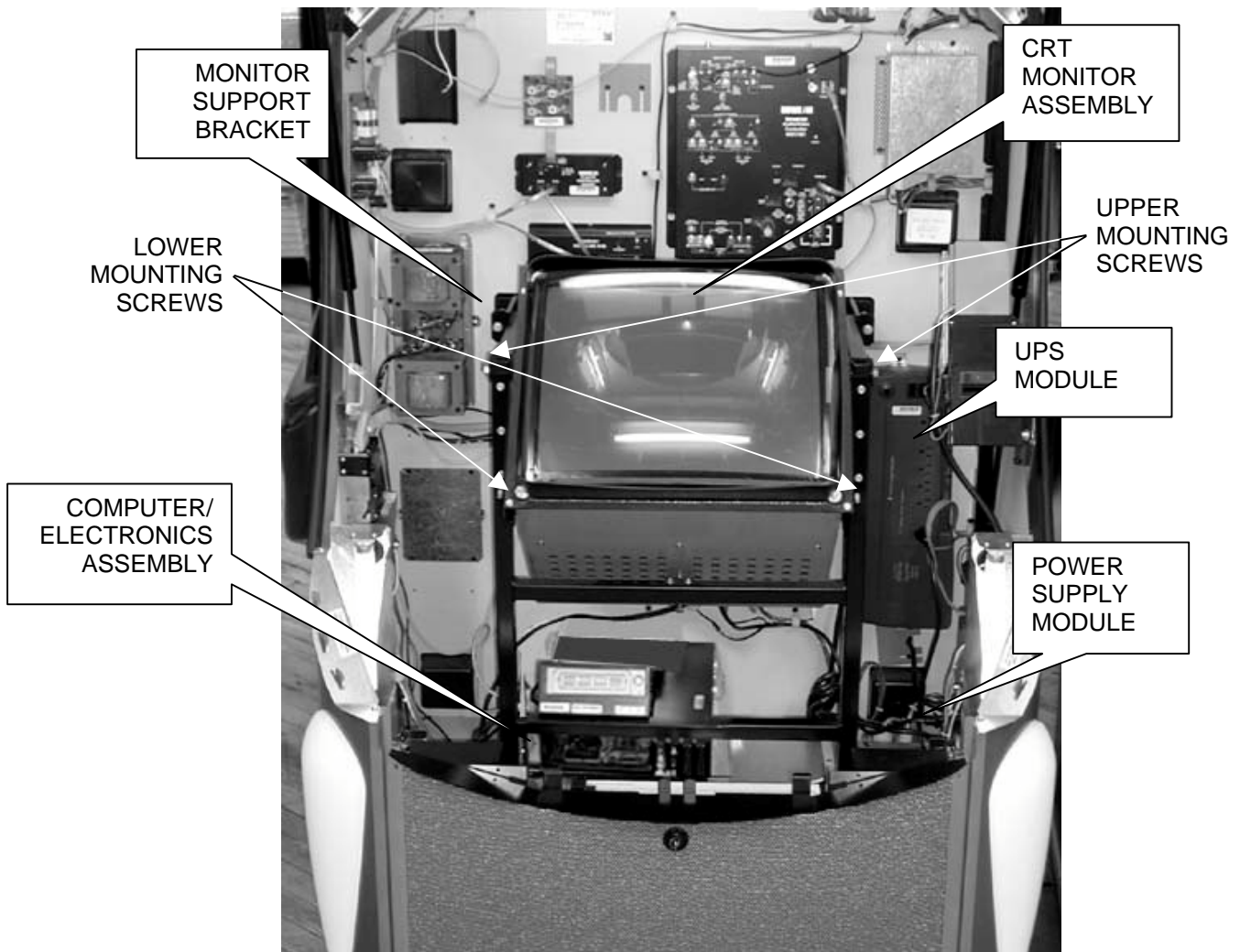


Figure 1 - Jukebox Components

3. Unplug the monitor from the power supply or UPS module and remove the power cable from the cable clamp on the rear wall of the cabinet. Refer to *Figure 2*.



Figure 2 - Unplug Monitor Power

4. Remove the Touchscreen and Monitor VGA cables from the Computer/Electronics Assembly. Refer to *Figure 3*.

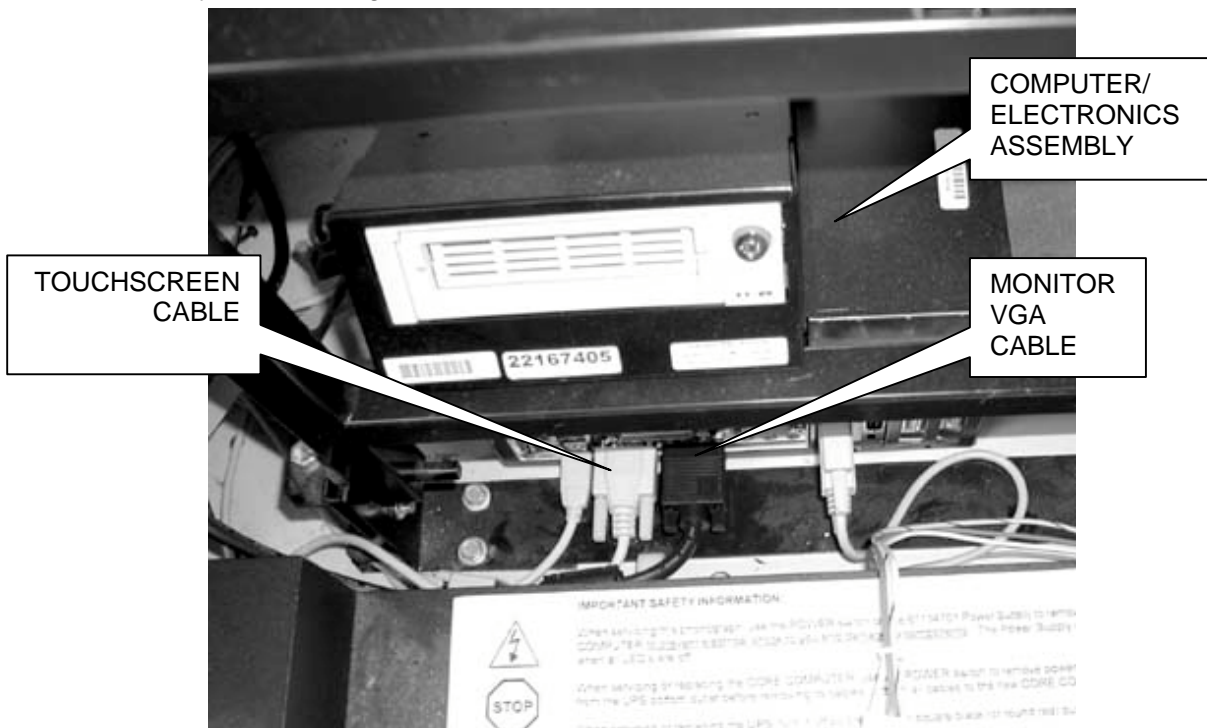


Figure 3 - Removing the Monitor VGA and Touchscreen Cables

5. Remove the Touchscreen cable from the rear of the monitor assembly.
Refer to *Figure 4*.

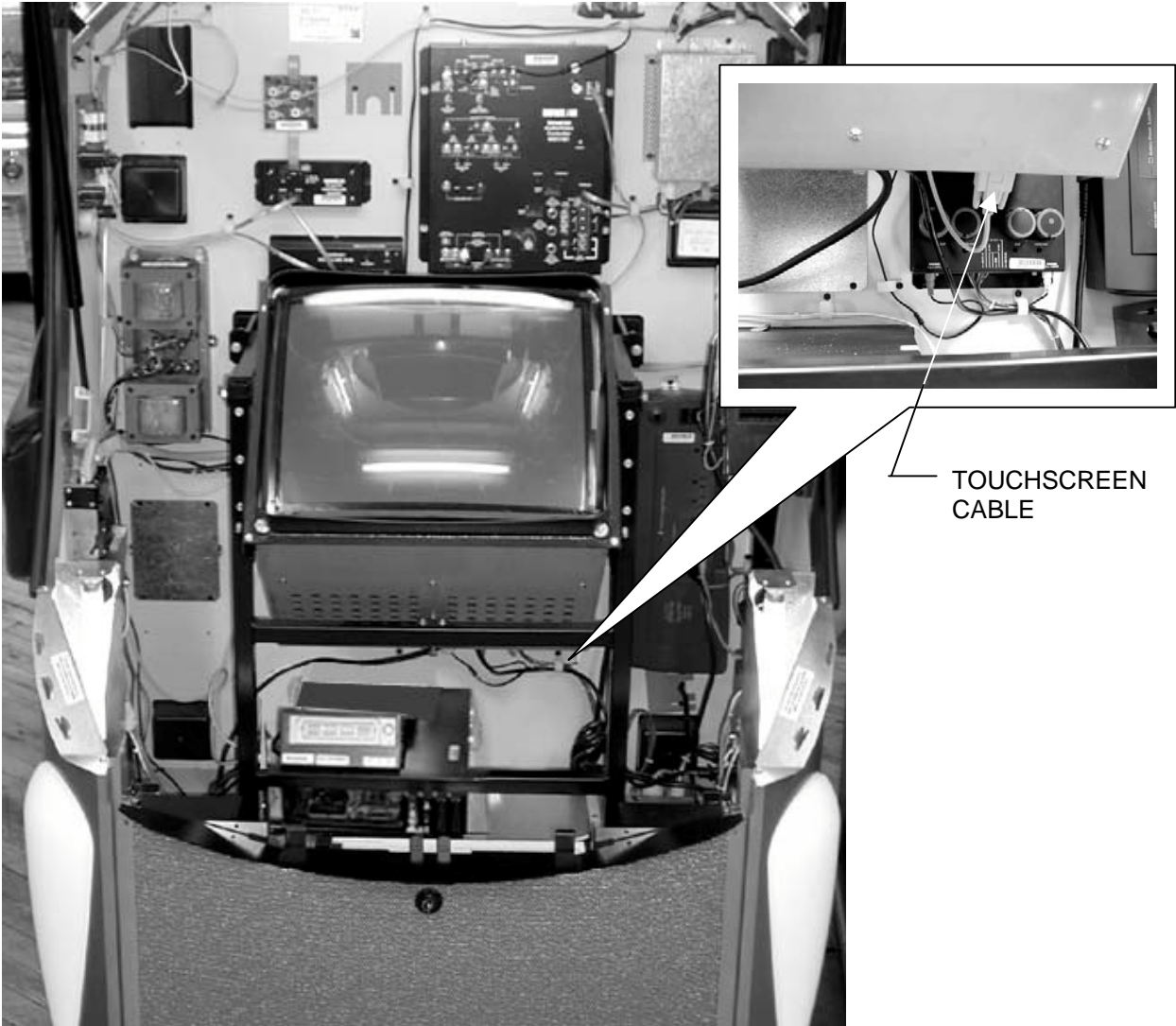


Figure 4 - Removing the Touchscreen Cable

- Remove the two lower screws securing the Monitor Assembly to Support Bracket and tilt the CRT Monitor Assembly forward to more easily access the hand hold openings. Refer to *Figure 5*.

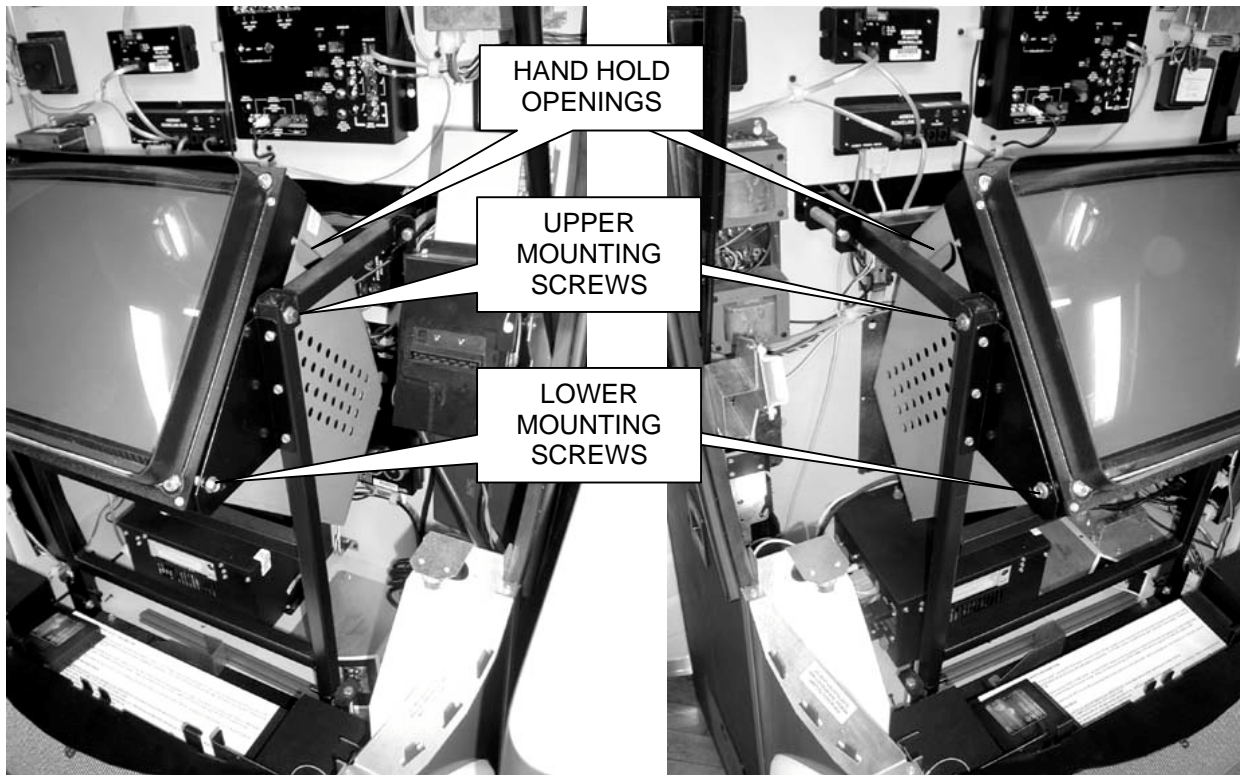


Figure 5 - Removing the Lower Mounting Screws

- With the help of an assistant, remove the two upper mounting screws and lift the CRT Assembly out of the jukebox cabinet. Refer to *Figure 5*.

Removing the Monitor Support Brackets

- Remove the lower Monitor Support bracket by removing the four screws shown in *Figure 6*.

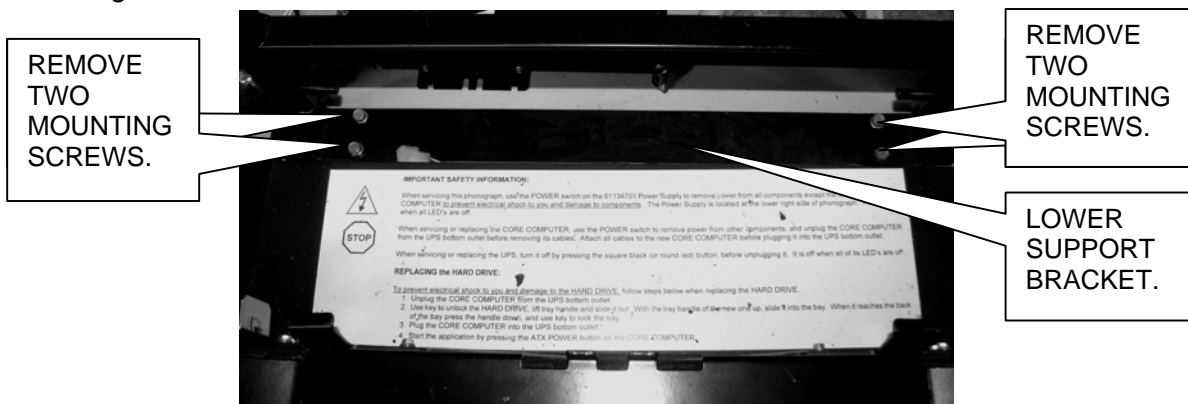


Figure 6 Removing the Lower Monitor Support Bracket

2. Disconnect the harnesses that are routed over the Upper Support Bracket noting their locations, they will be reconnected after the Upper Support Bracket removal. Remove the four mounting screws shown in *Figure 7*. Connect the harnesses previously removed. Refer to *Figure 7*.

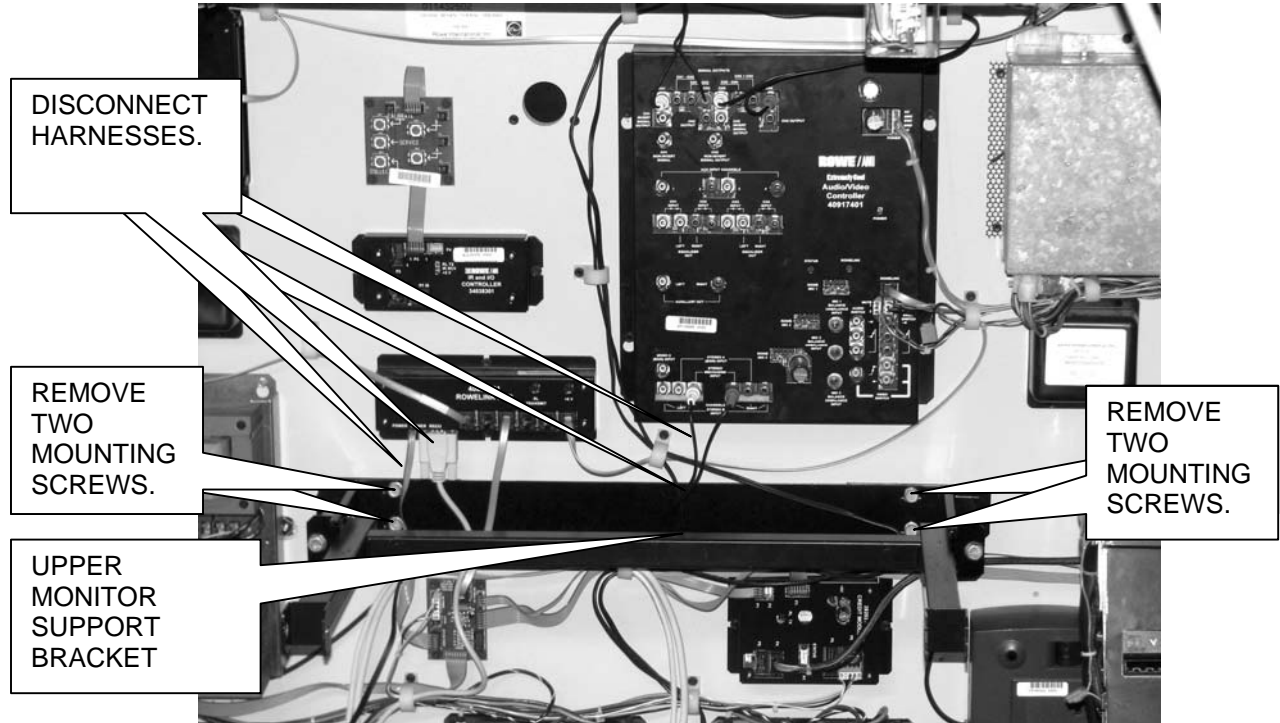


Figure 7 Removing the upper Monitor Support Bracket

Removing Door Components

The following procedures cover the removal of the door components necessary for the installation of the LCD Monitor. Refer to *Figure 8*.

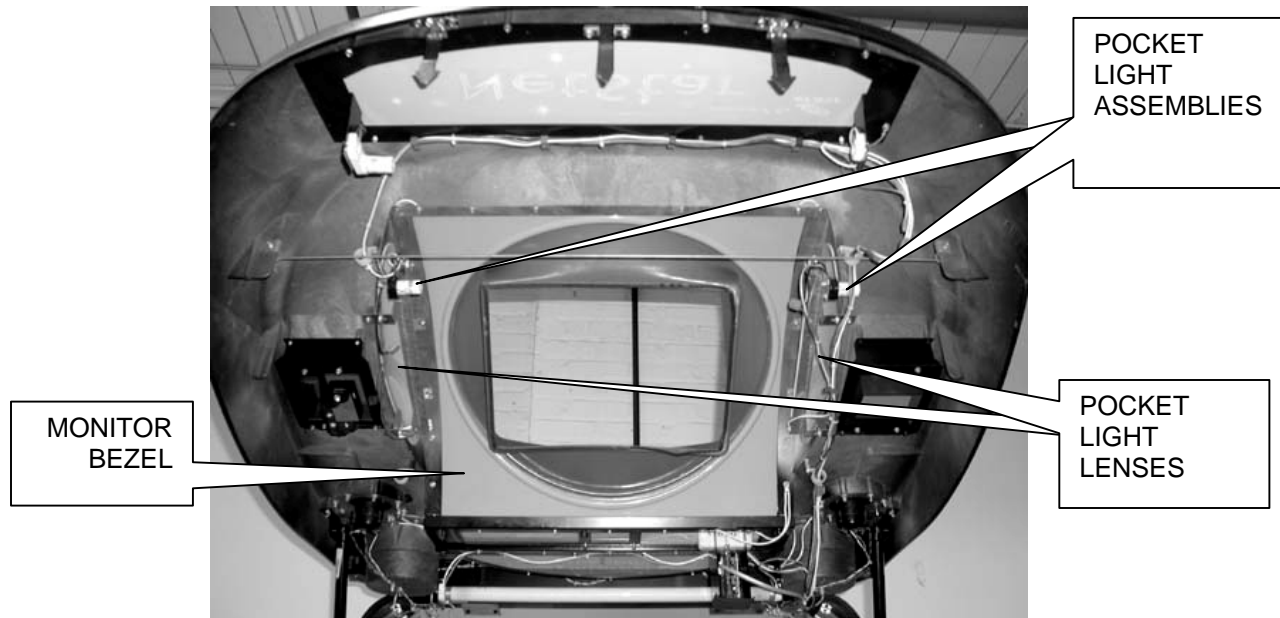


Figure 8 - Door Components

1. Remove the two outer Hi-Lo screws securing the pocket light assemblies on both sides of the door the screws will be reused. Refer to *Figure 9*.

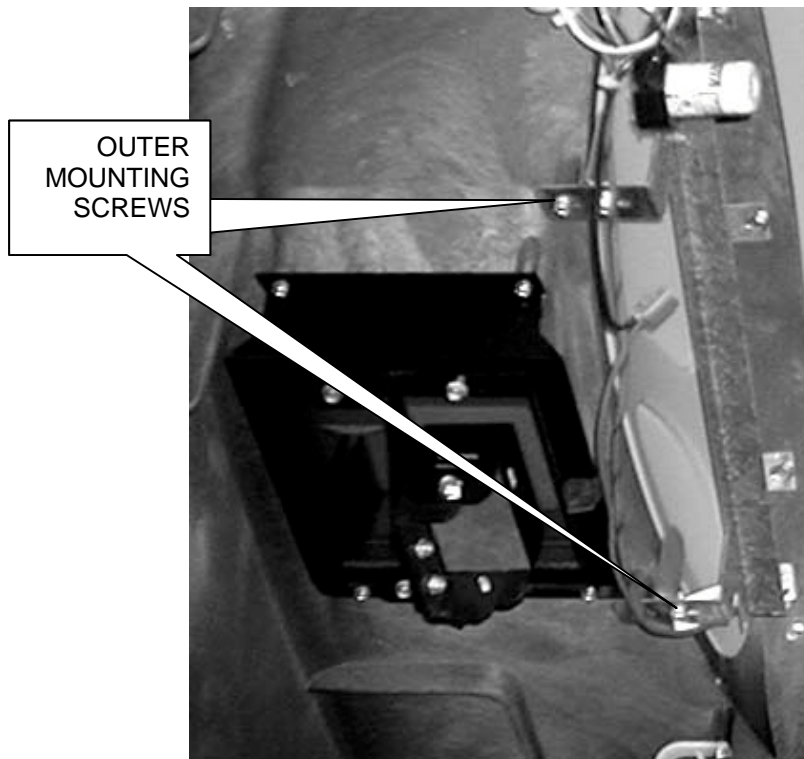


Figure 9 - Removing the Pocket Light Assemblies

2. Remove the three screws and brackets that hold the pocket light lenses in place and remove the lenses. Refer to *Figure 10*.

NOTE: Two different length screws (1/2" and 5/8") are used to secure the monitor bezel. The longer screws are used where additional components (Light brackets and cable clamps) are also installed. Keep these screws and brackets together.

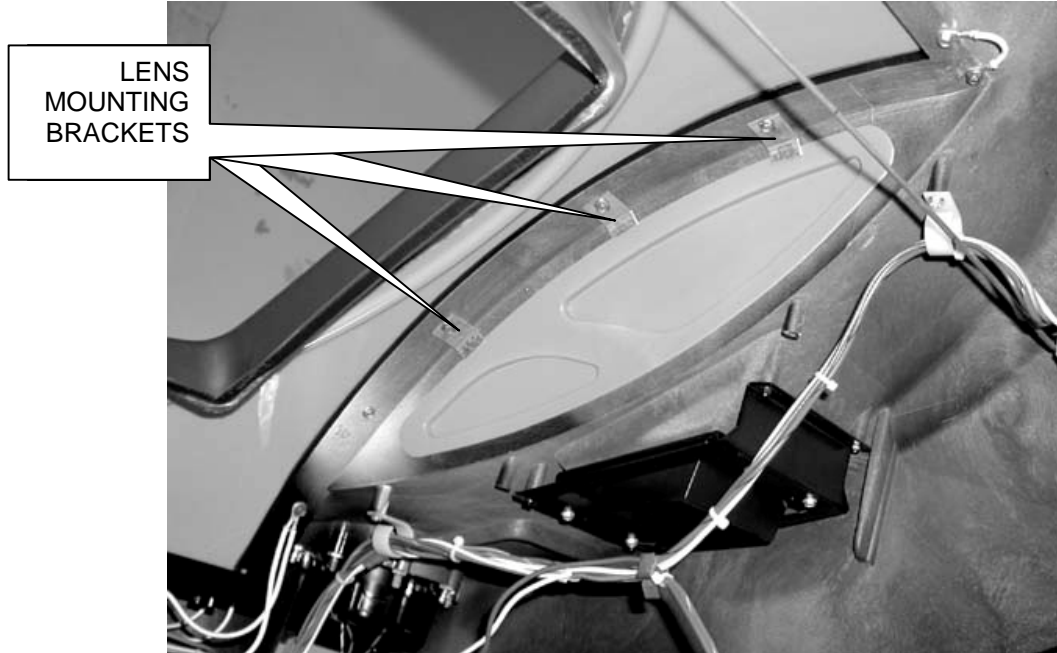


Figure 10 - Pocket Light Lens Brackets

3. Remove the remaining screws securing the monitor bezel keeping the grounding wires and their screws together. Refer to *Figure 11*.

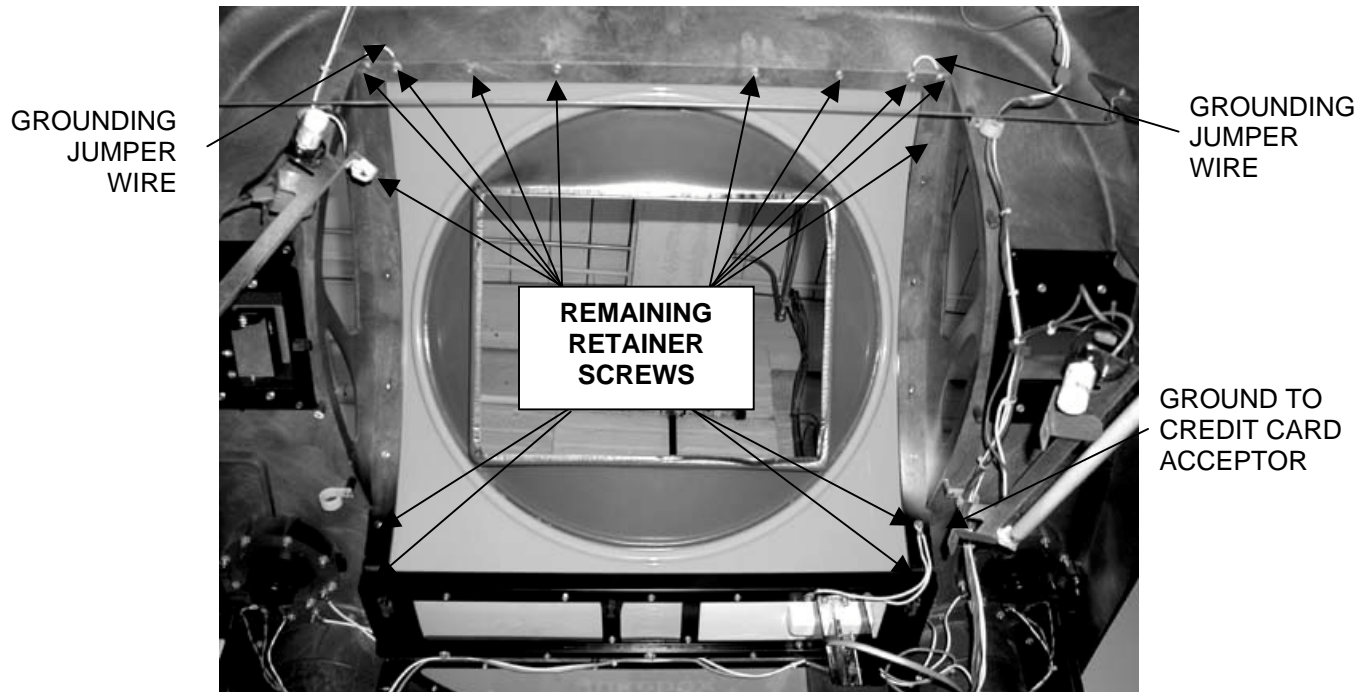


Figure 11 - Removing Bezel Retaining Screws

4. Lower the jukebox door and remove the vertical and bottom trim pieces. Refer to *Figure 12*.

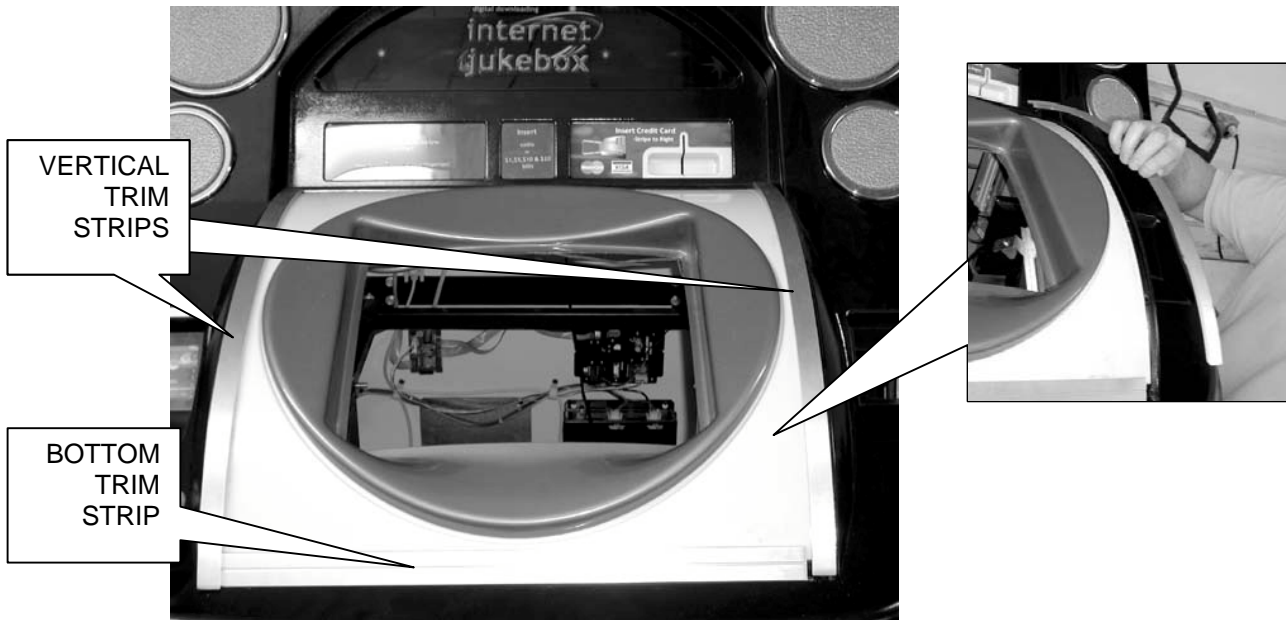


Figure 12 - Bezel Retainer Strips

5. Remove the old monitor bezel. It will not be used with the LCD monitor. Refer to *Figure 13*.



Figure 13 - Removing the Monitor Bezel

Installation Procedures

Installing the LCD Monitor

1. Inspect the flanges, both sides and bottom, where the monitor bezel was removed earlier. The foam gaskets must be replaced. Three replacement strips are included in the Small Parts bag. Clean the flange and apply the new gaskets as shown in *Figure 14*. Wrap the vertical pieces over the top of the door flange as shown in *Figure 15*.

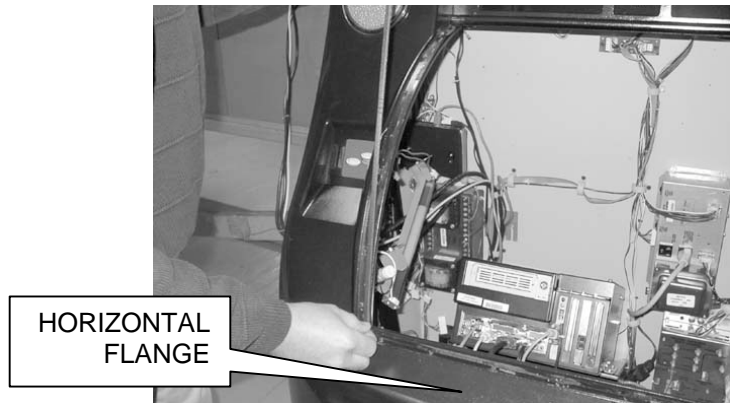


Figure 14 - Applying Foam Tape



Figure 15 - Wrap Tape Over Flange Top

2. Guide the Monitor Panel Assembly into the opening on the door and position it in the channels previously occupied by the previous monitor bezel. Slide the assembly toward the top of the jukebox and into the channel of the Window Bracket as shown in *Figure 16*.



Figure 16 -Installing the Monitor Panel Assembly

3. Verify that the Monitor Panel Assembly is centered properly on the door and position the vertical trim pieces as shown in *Figure 17*. Align the trim pieces such that the screws will be re-threaded in their original positions. Then, using the original 1/2" long machine screws, tighten the top two screws on each of the trim pieces. **Hand-tighten all screws to prevent stripping.**



Figure 17 - Inserting Left Vertical Trim

4. Replace the pocket lenses and continue to work your way down each side of the door. Use the #8-32 x 5/8" machine screws from the original installation and install the small brackets as shown in *Figure 18* as you go. Use one of the original 5/8" screws in the lowest position to re-attach the ground jumper wire that was removed earlier. **Do not tighten** the lowest screws yet to allow for easier installation of the bottom trim piece.

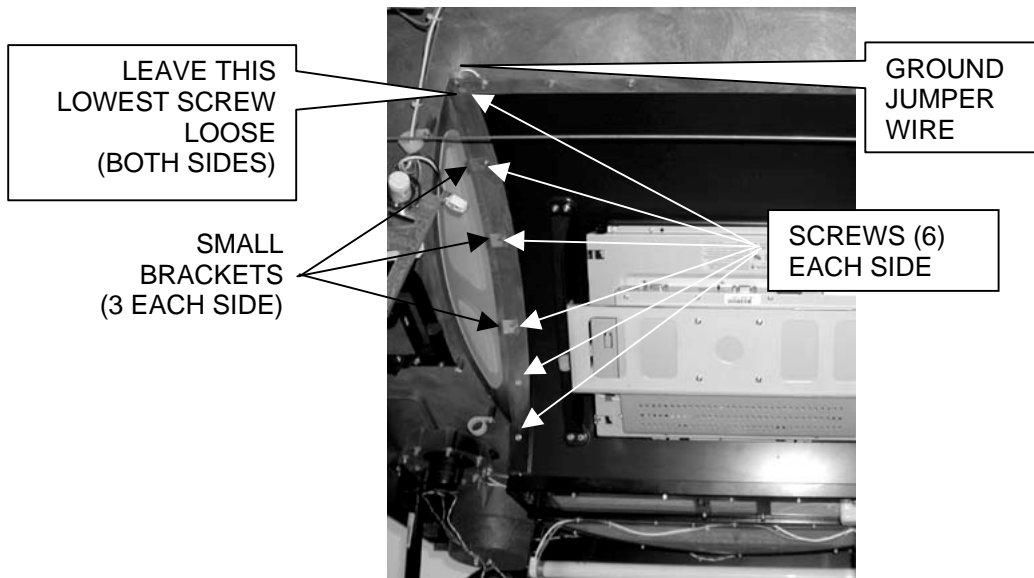


Figure 18 - Installing Left Vertical Trim Piece

5. Position the bottom trim piece such that the screws will be re-threaded in their original positions. Using the original 1/2" screws, tighten the bottom trim piece.
6. Tighten the lowest 2 screws holding the vertical trim pieces.
7. Reinstall both Pocket Lights and Brackets to door using the original screws. Refer to *Figure 19*.

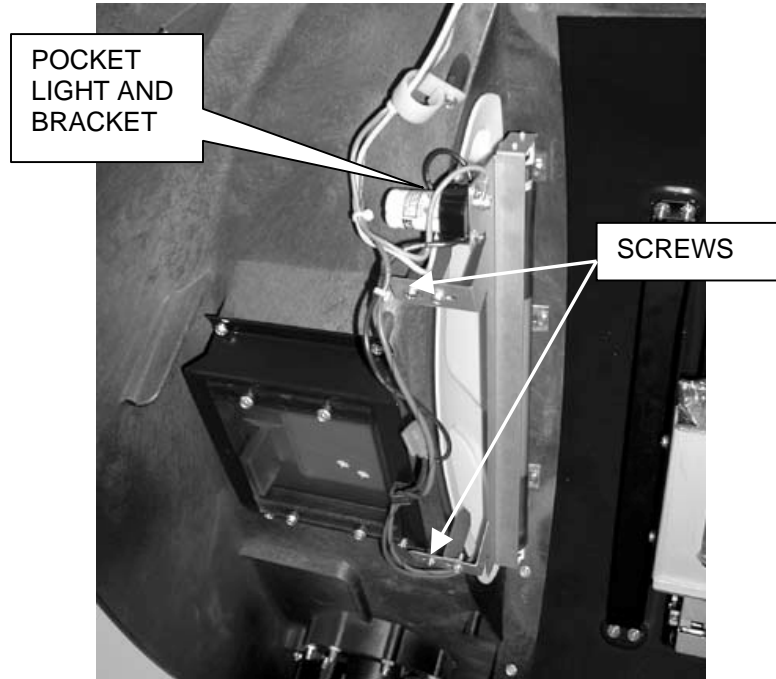


Figure 19 - Installing Pocket Lights and Brackets

8. If necessary, the monitor can be adjusted in or out on its bracket by loosening the four Hex-head screws (two per side) refer to *Figure 20*. While ensuring the monitor is contacting the Front Shroud, tighten the four screws.

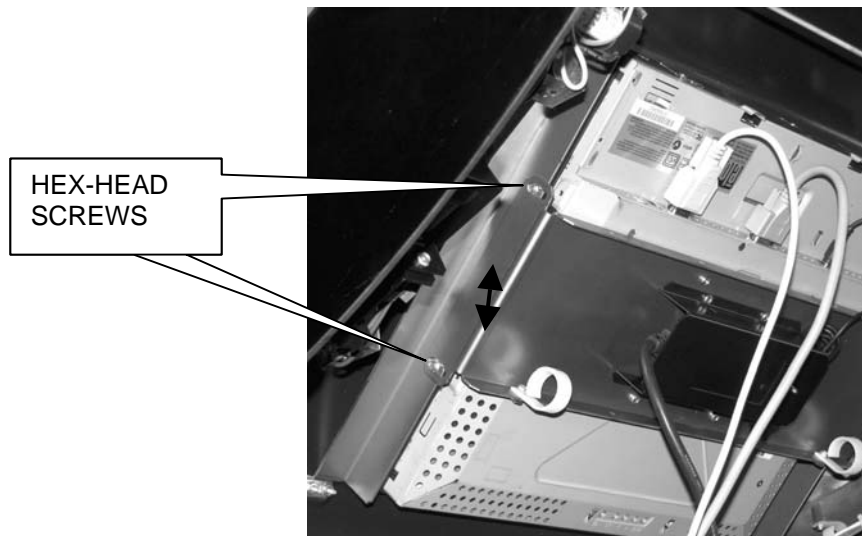


Figure 20 - Location for Monitor Screws

9. Insure the Monitor power cable, VGA and Touch-screen cables are the appropriate headers in the monitor and route them through the existing 1" cable clamp as shown in *Figure 21*.

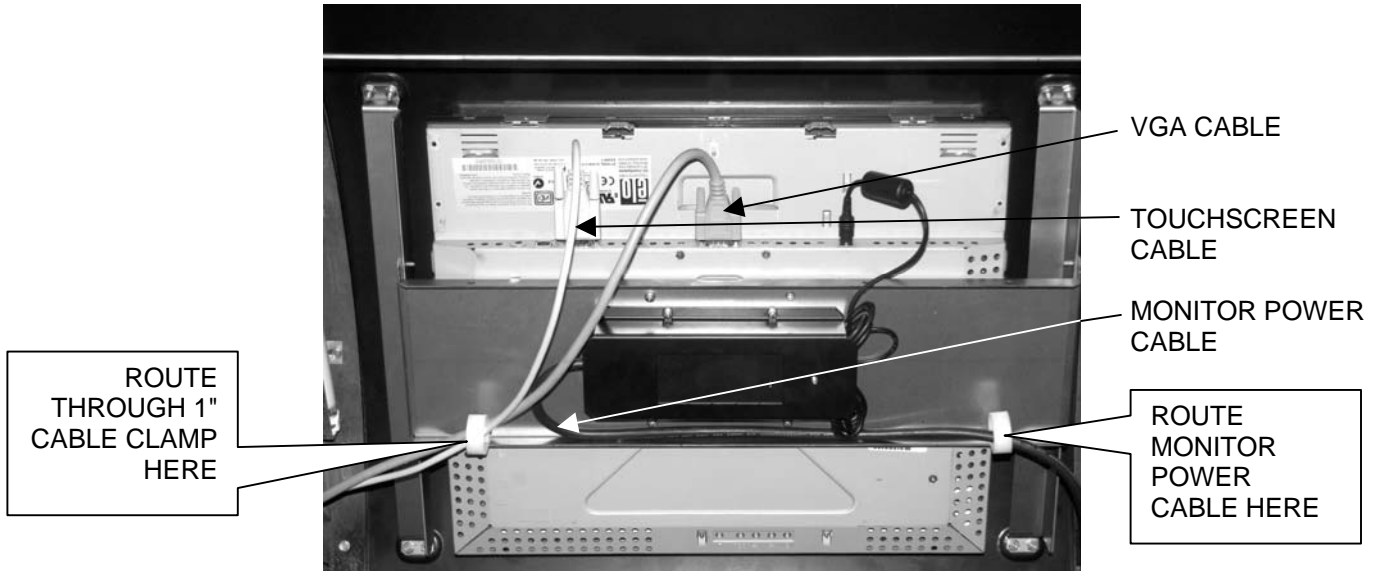


Figure 21 - Routing Cables

10. Continue routing the VGA and Touch-screen cables through the existing cable clamps on the back wall of the cabinet along the left side and to the front of the Computer/Electronics Assembly. Refer to *Figure 22*.
11. Route the Monitor power cable through the existing cable clamps on the back wall of the cabinet along the right side to the Power Supply Assembly. Refer to *Figure 22*.

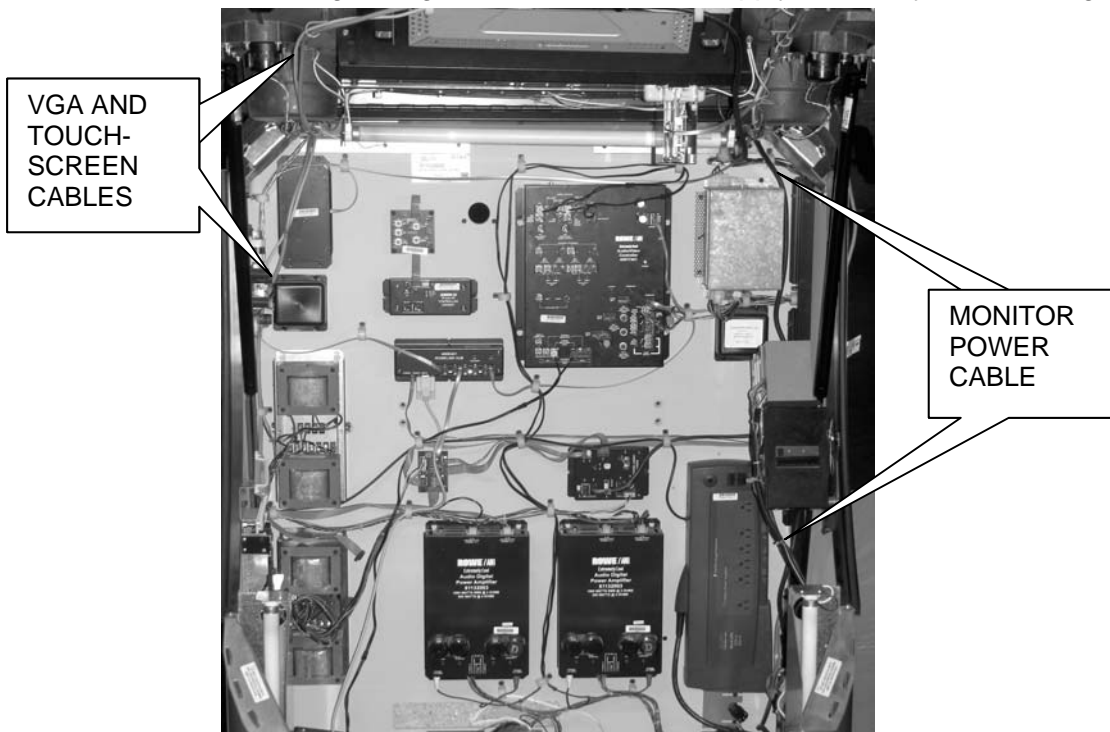


Figure 22 - Routing Cables to Computer/Electronics Assembly

12. Plug the Monitor power cord into the "Monitor" socket on the Power Supply Module.
Figure 23.

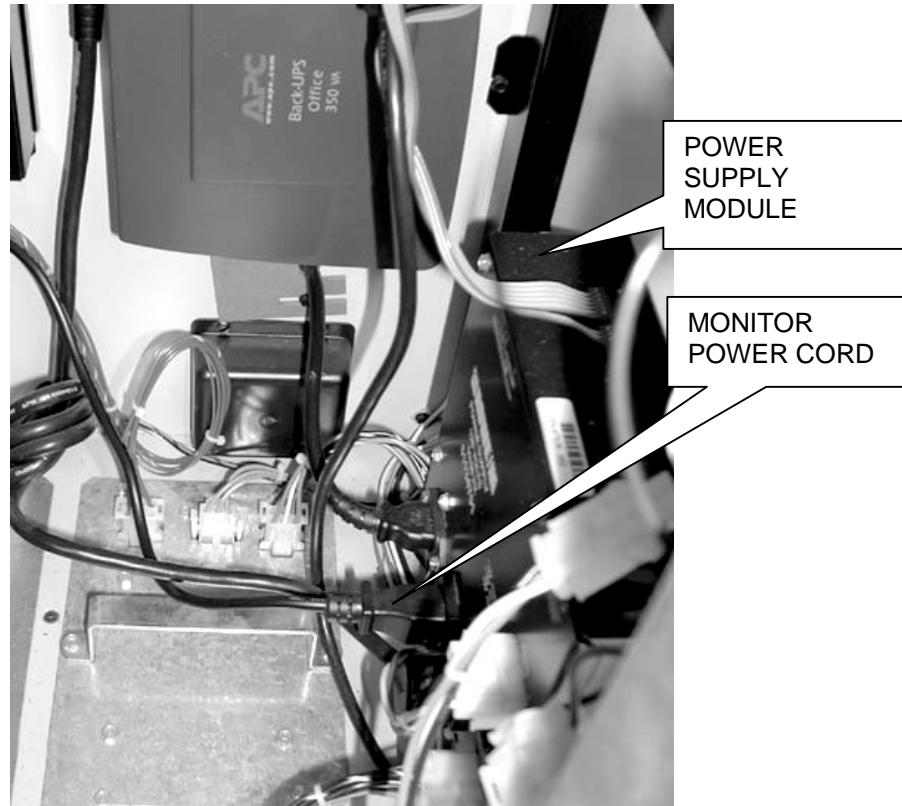


Figure 23 - Monitor Power Cord

13. Plug the VGA and Touch-screen cables into the Core Computer.
Figure 24.



Figure 24 - Touchscreen and VGA Cables

Jukebox Power-Up

NOTE: Make sure that the power switch on the UPS is turned ON.

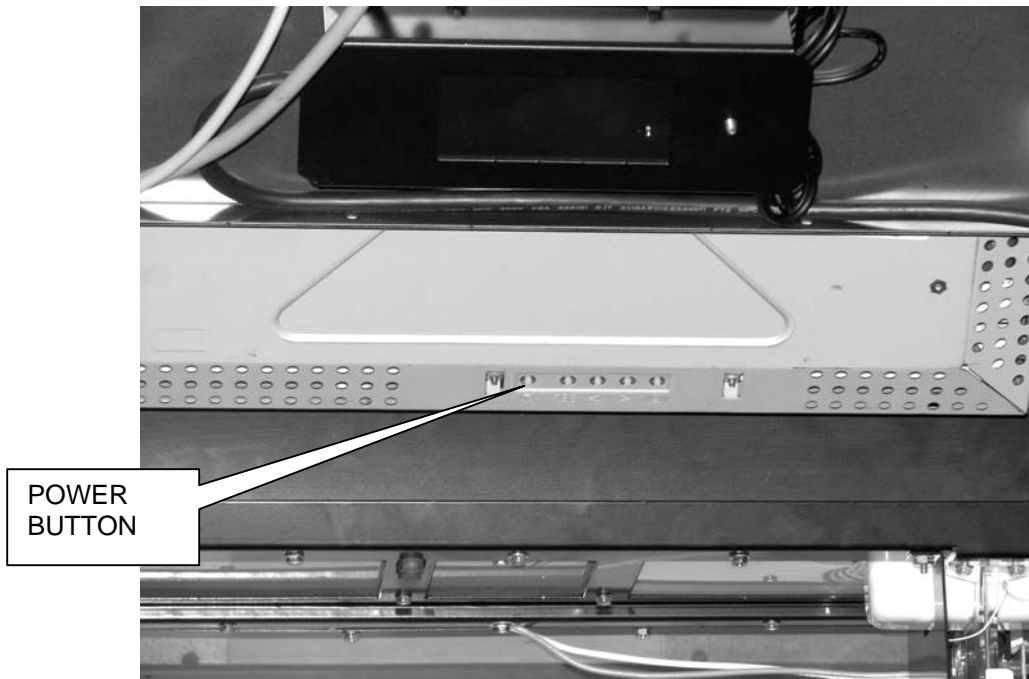


Figure 25 - Power Button on Monitor

1. Plug the power cord into a standard, grounded wall outlet and turn the jukebox ON. The lights should come ON, the Bill Acceptor should cycle, and the power indicators on the Hard Drive Tray and Core Computer should come ON. The Monitor should also come ON. If the monitor does not power up, press the power button on the monitor. Refer to *Figure 25*.

NOTE: If the Core Computer doesn't automatically start to boot-up, press the Reset/ATX power button (on the center, lower back panel of the jukebox) in once and release.

2. You may now install the adhesive monitor clamp label and attach as shown in *Figure 28*.

Touch-screen Calibration

The following procedure describes how to calibrate the touch-screen:

1. Turn the power ON at the jukebox and boot up the application.
2. Open the front door of the jukebox.
3. Locate the **“Calibrate”** button on the Switch Assembly (Figure 26) or Rowelink Controller (Figure 27).
 - Press the button once to launch the calibration program. This will override the application while the program runs.
4. Follow the on-screen instructions.

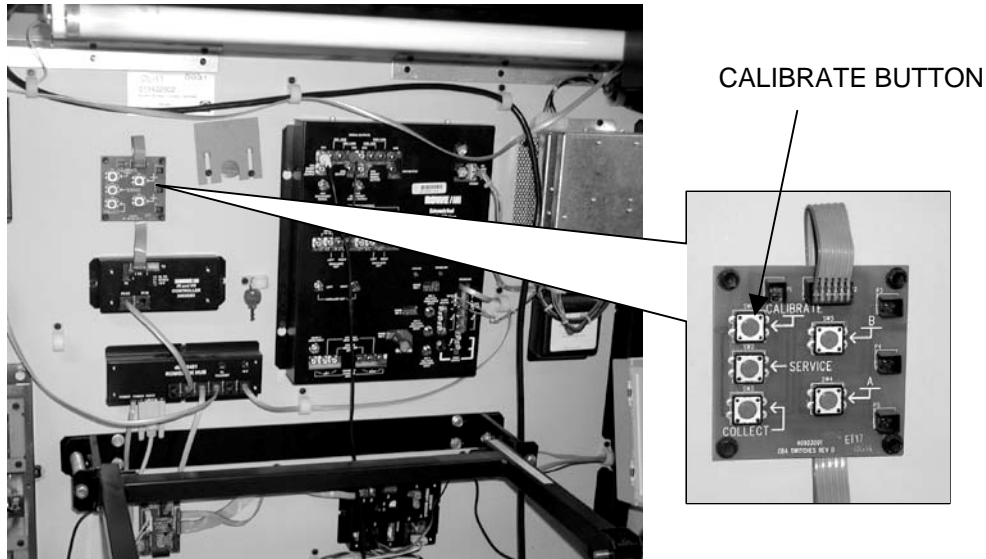


Figure 26 - Switch Assembly

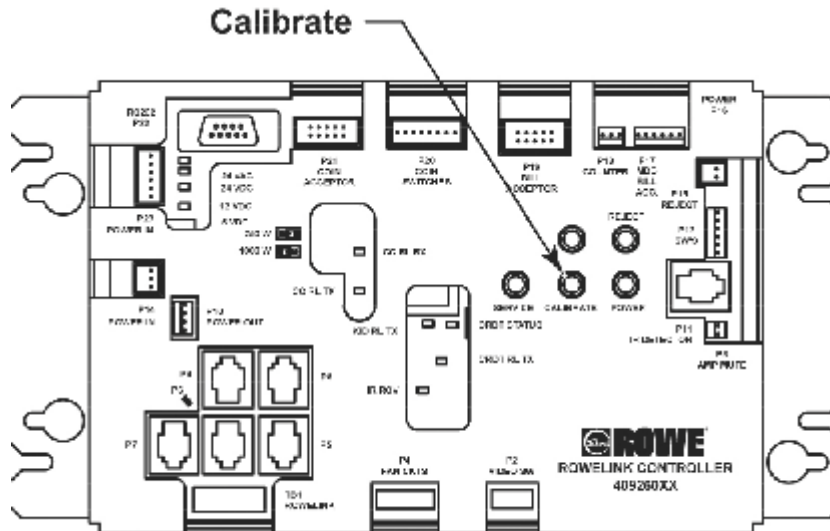


Figure 27 - Rowelink Controller





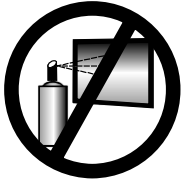
Figure 28 - Completed Jukebox

Preventive Maintenance

Preventive maintenance should be performed at regular intervals. At every visit, the exterior should be cleaned and the touch-screen should be re-calibrated.

Every 3-4 months, the interior should be cleaned.

Exterior

Part	Procedure
Touch-screen 	Clean with household glass cleaner and paper towel or clean cloth. <i>CAUTION: DO NOT SPRAY CLEANER ON THE TOUCH-SCREEN.</i> <i>SPRAY CLEANER ON THE TOWEL, THEN CLEAN THE TOUCH-SCREEN.</i> After cleaning the touch-screen it may not respond to touch for a few seconds.
Cabinet and Lenses	Cloth moistened in water with any mild-cleaning product.
Calibration	Please see the following procedure.



