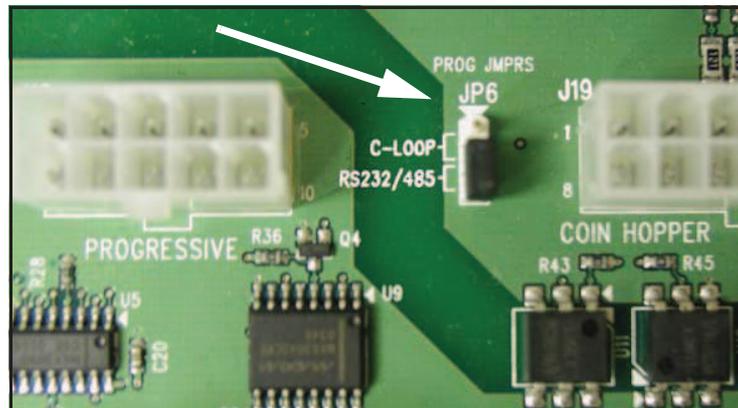


- b The Jumper at JP6 must be set to RS232/485, [Figure 2-86](#).

**Figure 2-86** Jumper setting at JP6 on Bulkhead Board.



- 6 Repeat steps 1 to 9 for each game in this Progressive Network.
- 7 For the last game in the network, plug a terminator, [Figure 2-87](#), into an RJ45 connector on the Y-Board.

**Figure 2-87** Terminator for the Y-Board.

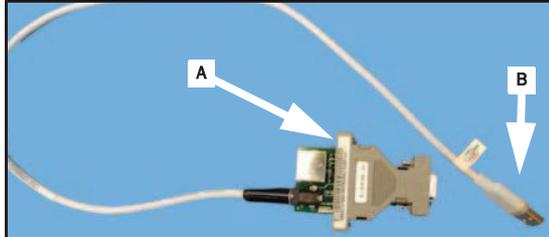


**Progressive Setup:  
Connect Game to  
Progressive Network**

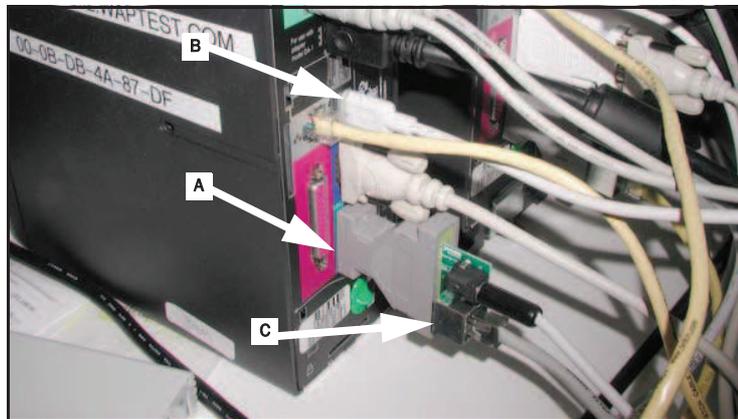
Complete the following steps to connect the games in the Progressive Network to the Site Controller:

- 1 Plug the RS-232 to RS-485 Serial Converter (A-010166-01), [Figure 2-88](#) (A), into the COM1 port on the Site Controller, [Figure 2-89](#) (A). This converter allows the SPN cable from the first game in the series to connect to the Site Controller.

**Figure 2-88** Serial Converter cable.



**Figure 2-89** Serial Converter connected to Carousel Controller.



- 2 Connect the USB Cable from the Serial Converter, [Figure 2-88](#) (B), to an available USB port on the Site Controller, [Figure 2-89](#) (B). This connection provides power to the RS-485 Serial Converter.

- 3 Reference [Figure 2-90](#) and [Table 2-23](#) for information on cable connections for a WAP System, or [Figure 2-91](#) and [Table 2-24](#) for information on cable connections for a LAP System.

Figure 2-90 WAP System Diagram.

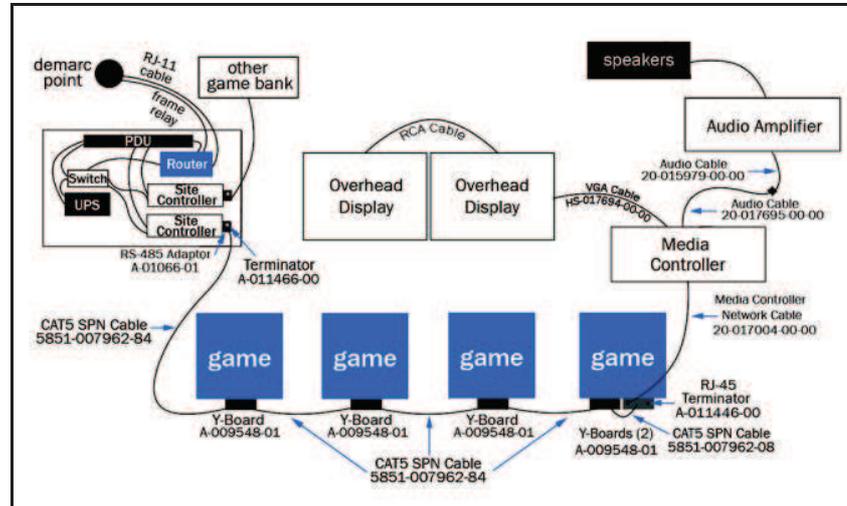


Table 2-23 WAP System Cabling Reference.

Cable/Adaptor Description	Connects
RJ11 (25' Phone Line Cable, 5851-016868-00-00)	Demarc point to Router (LINE 0 on modem card)
CAT5 (frame relay)	Demarc point to Router (DSU/CSU connector)
CAT5 (3' Cable, 5851-007962-20)	Router (Ethernet port) to Switch (any port)
CAT5 (3' Cable, 5851-007962-20)	PDU (Ethernet port) to Switch (any port)
CAT5 (3' Cable, 5851-007962-20)	Site Controller (Ethernet port) to Switch (any port)
CAT5 (length varies to accommodate distance to game bank)	Site Controller (RS-485 adaptor) to first game (J2 on Y-Board A-009548-01)
RS-232/RS-485 Adaptor (A-010166-01)	Site Controller (serial port)
USB Cable (5797-011076-00)	Site Controller (RS-485 Adaptor) to Site Controller (USB port)
UPS Power Cord	Grounded Casino outlet
PDU Power Cord	UPS (Battery and Noise Protection receptacle)
Site Controller Power Cord	PDU (outlet 1)
Router Power Cord	PDU (outlet 8)
Switch Power Cord	UPS (Battery and Noise Protection receptacle)
CAT5 (14' Cable, 5851-007962-84)	Game (J3 on Y-Board A-009548-01) to game (J2 on Y-Board A-009548-01)
RJ-45 Terminator (A-011446-00)	Last game (J2 on Y-Board A-009548-01)
Media Controller Network Cable (20-017004-00-00)	Last game (J1 on second Y-Board A-009548-01) to Media Controller (Ethernet Port)
VGA Cable (HS-017694-00-00)	Media Controller (video port) to Overhead Display (VGA receptacle)
Audio Cable (20-017695-00-00)	Media Controller (green audio out jack) to Audio Cable (20-015979-00-00)
Audio Cable (20-015979-00-00)	Audio cable (20-017695-00-00) to Audio Amplifier (LINE 2 IN receptacle)
Speaker wire	Audio Amplifier to speakers
RCA Cable (if multiple Overhead Displays are used)	Overhead Display (RCA VIDEO OUT port) to (RCA VIDEO IN port)

Figure 2-91 LAP System Diagram.

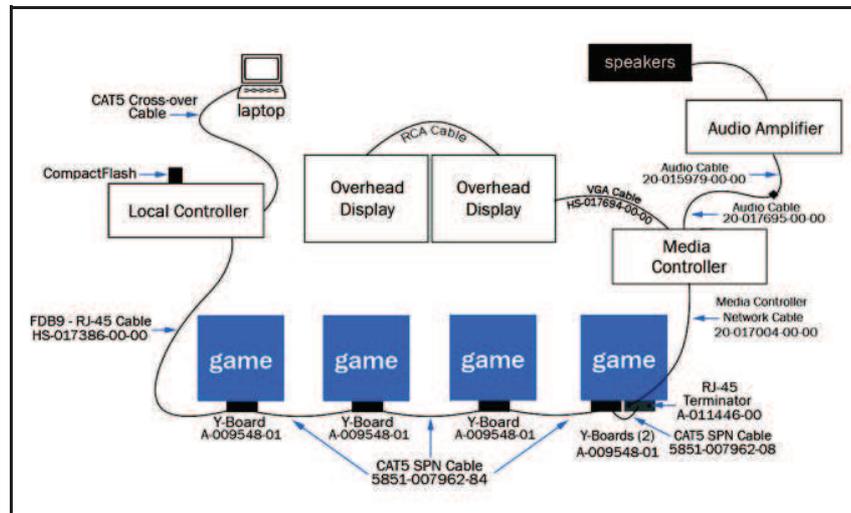


Table 2-24 LAP System Cabling Reference.

Cable/Adaptor Description	Connects
CAT5 Cross-over Cable	Laptop PC (Ethernet port) to Local Controller (LAN 2 port)
FDB9/RJ-45 Cable (HS-017386-00-00)	Local Controller (COM 4 port) to first game (J2 on Y-Board A-009548-01)
CAT5 (14' Cable, 5851-007962-84)	Game (J3 on Y-Board A-009548-01) to game (J2 on Y-Board A-009548-01)
RJ-45 Terminator (A-011446-00)	Last game (J2 on Y-Board A-009548-01)
Media Controller Network Cable (20-017004-00-00)	Last game (J1 on second Y-Board A-009548-01) to Media Controller (Ethernet Port)
VGA Cable (HS-017694-00-00)	Media Controller (video port) to Overhead Display (VGA receptacle)
Audio Cable (20-017695-00-00)	Media Controller (green audio out jack) to Audio Cable (20-015979-00-00)
Audio Cable (20-015979-00-00)	Audio cable (20-017695-00-00) to Audio Amplifier (LINE 2 IN receptacle)
Speaker wire	Audio Amplifier to speakers
RCA Cable (if multiple Overhead Displays are used)	Overhead Display (RCA VIDEO OUT port) to (RCA VIDEO IN port)

- 4 [See Chapter 3, “Progressive Configuration” on page 3-27](#) for information on configuring the game to run as a Wide Area Progressive.

## Installing a Top Box

Complete the following steps to install a participation Top Box onto a BBS.

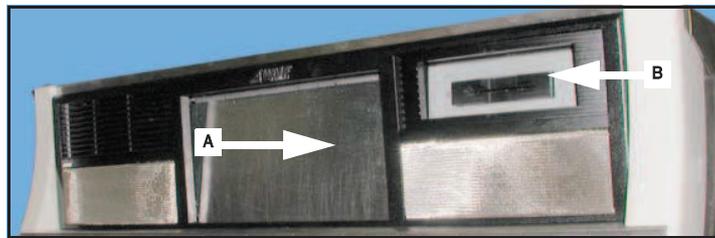
- 1 Release the Participation Cap Door using the latch on the left side of the base game, below the arm rest, [Figure 2-92](#).

**Figure 2-92** Releasing the Participation Cap Door.



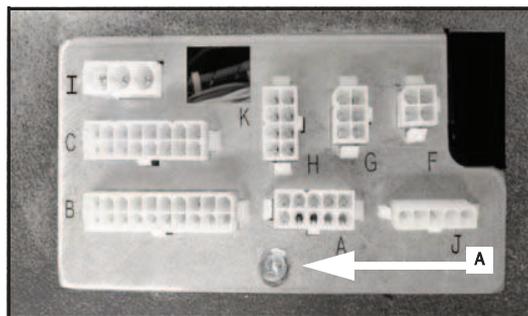
- 2 Open and lower the Participation Cap Door.
- 3 Remove the Keypad/Display panel by lifting it out of its frame, [Figure 2-93](#) (A).

**Figure 2-93** Participation Cap Assembly.



- 4 Remove the Cardreader panel by lifting it out of its frame and disconnecting any cables to the Cardreader, [Figure 2-93](#) (B).
- 5 Using a 1/4" nut driver, remove and set aside the hex screw securing the Top Box Connector Plate to the BBS game, [Figure 2-94](#) (A).

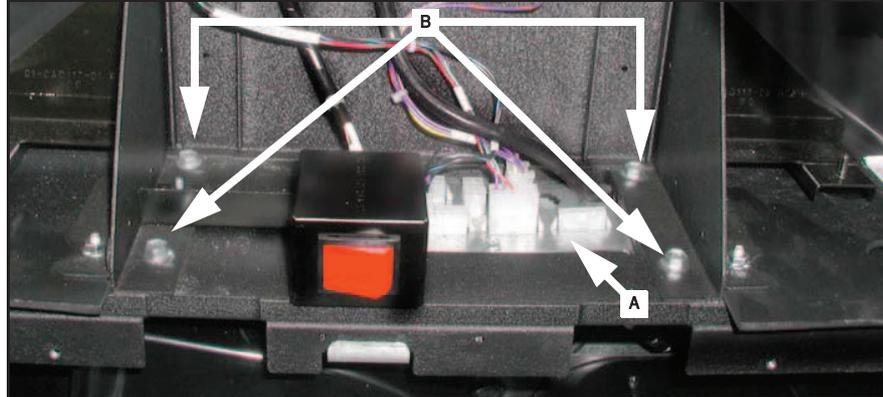
**Figure 2-94** Top Box Connector Plate for BBS Cabinet.



- 6 Gently slide the Top Box Connector Plate a few inches to the left, ensuring that none of the connections to the back of the Plate are disturbed. Leave enough space to slide the plug for the Top Box AC Line Cord into the game.

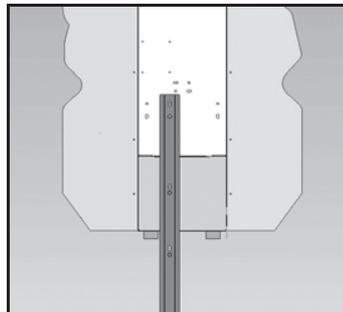
- 7 With the help of another technician, lift the Top Box onto the base game. Be sure to place the AC Line Cord in a position where it can run through the hole provided on the Top Box Connector Plate, [Figure 2-95](#) (A).

**Figure 2-95** Top Box mounted onto the Participation Cap.



- 8 Route the Top Box AC Line cord through the opening for the Top Box Connector Plate, down into the game, and out the hole in the back of the game.
- 9 Use a 1/4" nut driver to re-secure the Top Box Connector Plate to the BBS game, [Figure 2-94](#) (A).
- 10 Using a 7/16" nut driver, secure the Top Box with four 1/4-20 flange grip nuts (4420-01141-00), [Figure 2-95](#) (B).
- 11 Using a 3/8" nut driver, secure the Top Box to the support brace (01-011612-00-00-P01) with four hex bolts (4020-01178-06). The support brace can be secured using either an exterior (bolt holes) or interior mount (slotted holes), [Figure 2-96](#).

**Figure 2-96** Securing the BBS Top Box support brace.



- 12 Replace the Display/Keypad panel by sliding it into its frame, [Figure 2-93](#) (A).
- 13 Replace the Cardreader Panel by sliding it into its frame and reconnecting any cables to the Cardreader, [Figure 2-93](#) (B).

