

Installation Instructions for System 1 Replacement Displays

www.BostonPinballCompany.com Version 6

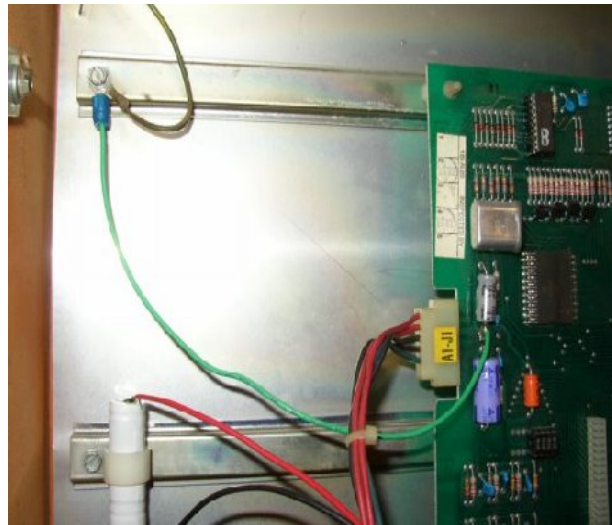
Buck Rogers, Charlie's Angels, Cleopatra, Close Encounters, Countdown, Dragon, Genie, Hulk, Joker Poker, Pinball Pool, Roller Disco, Sinbad, Solar Ride, Totem, Torch

Please make sure your machine is in proper working order before installing this kit. Check out www.pinwiki.com for machine repair information. Check our web site www.bostonpinballcompany.com for information relating to existing display problems.

If you have any questions, please contact us before installing the display kit. E-mail: support@bostonpinballcompany.com

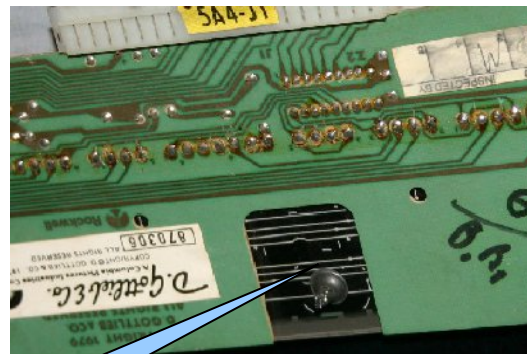
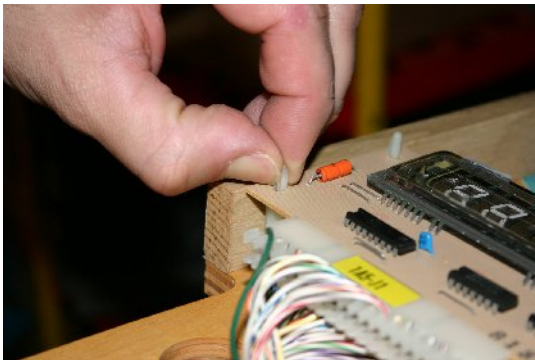
WARNING: Never unplug any connectors inside your machine with the power on. Be sure the power is off.

These are pictures showing ground wires added to power supply and control board. This is not part of this kit, but if your game is resetting during play or having other odd problems, these modifications may help. Check out www.pinrepair.com for additional information about this and other repair and service information of Gottlieb System 1 Pinball Machines.



Full Instructions;

- Turn your machine off
- Open the display back box (requires key, normally located inside the cabinet to the left behind the coin door)
- Remove the connectors from the bottom of all the displays
- Remove all the displays (careful not to break the standoffs, use your fingers to squeeze the tabs)
- (also be careful of the nipple on the back of the fluorescent tube display as you remove them, they break easily)



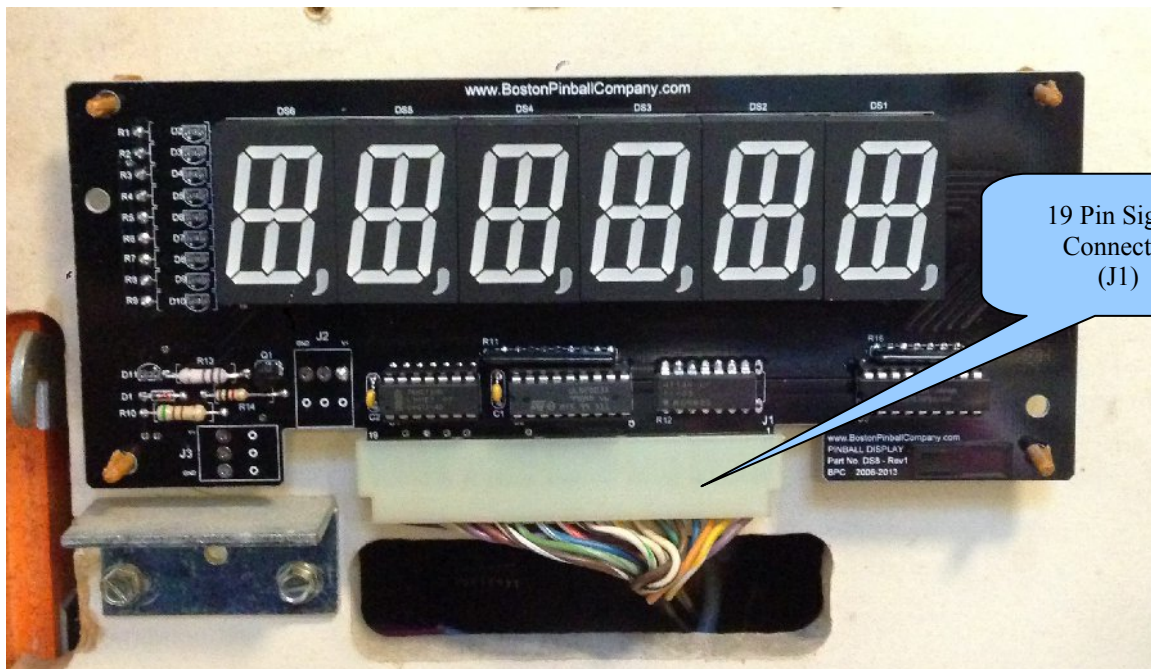
Glass Nipple

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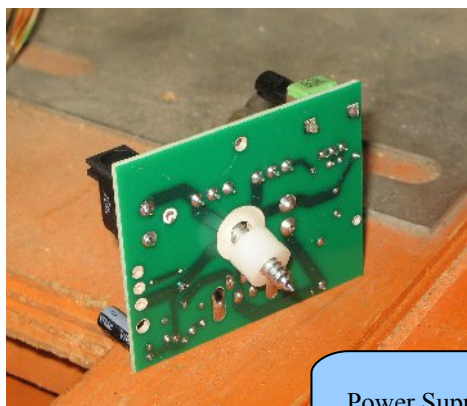
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- Install the new LED displays. Plug the 19 pin connector onto each display.



- Installing the Dimmer PCB
- Install the dimmer as shown in the picture, install the standoff between the dimmer PCB and the backbox.



Power Supply Cable



3 Wire Cable

2 Wire Cable

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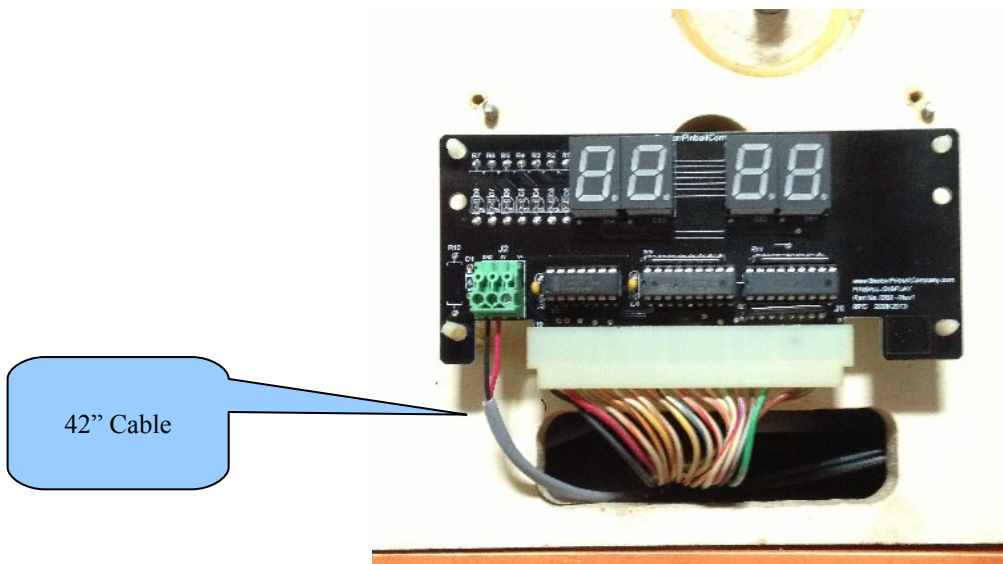
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- Install the adapter PCB-harness;
 1. Remove A2J3 from the power supply and install the PCB onto J3, noting pin 2 has a key, then re-install the A2J3 harness connector on the top of the PCB. (Also note that pin 8 hangs over the end and is not used)



2. Run the attached cable to the brightness control. (both connectors are the same)
3. Run the 42" cable (2-wires, Black-Red) from the brightness PCB J3 to the 4-Digit credit display.



4. Take the Power Supply, and attach the round connector to the dimmer PCB.

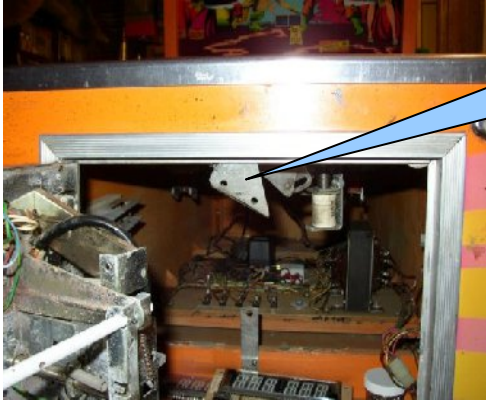
- Now place the PS down into the cabinet base through the hole with the rest of the wires.
- Close the backbox.

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- Remove playfield glass; Open the coin door, pull down on the lever holding the lock down bar. Remove the lock down bar. Now carefully slide the glass down and remove it. Place it gently against a wall and be careful not to bang the corners.
- Remove the ball from the playfield.



Lock down bar lever.



- Lift the playfield. Grab the playfield from the apron and lift. (Caution, if the apron is not properly screwed in or the screws are missing, you may bend the apron, so you may want to push the playfield from below as you lift it.) Once you can get your hands to grab the sides of the playfield, lift and pull it towards you, then lift it all the way up and prop it against the backbox or use the support rod to hold it in place. BE SURE IT IS SUPPORTED BEFORE YOU WORK INSIDE THE CABINET.

WARNING SHOCK HAZARD; SOME OF THESE MACHINES HAVE EXPOSED WIRING, USE CAUTION OR UNPLUG YOUR MACHINE BEFORE COMPLETING THIS STEP. (YES, EVEN IF YOUR MACHINE IS OFF, THERE IS LIVE WIRING!)

- Now plug the power supply into the service outlet in the cabinet. (If you have a power supply with an attached power cable, and the power supply is in the middle, just plug the cord into the outlet.)



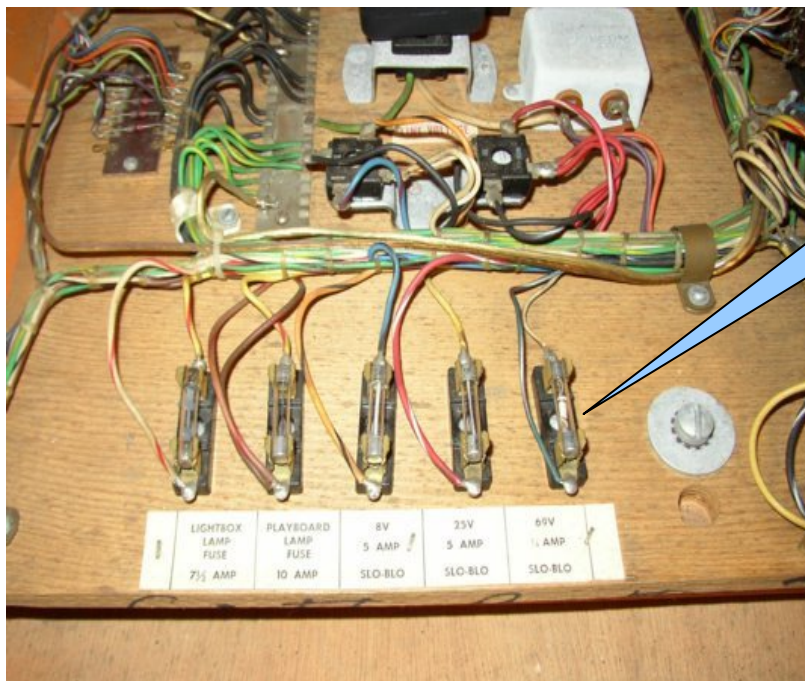
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- Remove the Fuse marked 69V 1/4 AMP. This voltage was for the old fluorescent displays and is no longer needed.



- Carefully lower the playfield, reinstall the glass and lock down bar.
- Power up your machine.
- Open the backbox and adjust the dimmer for the desired brightness.
- Close the backbox and play a game of pinball with your new Boston Pinball Company LED Displays!