

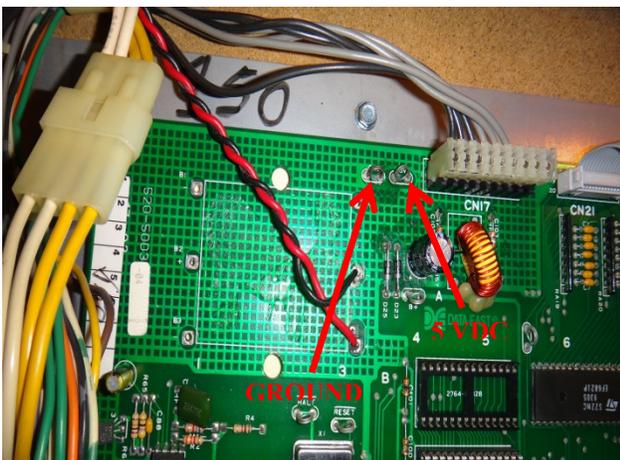
# JURASSIC PARK GATE INSTALLATION INSTRUCTIONS

**Disclaimer:** This mod is an advanced skill level mod. If you feel uncomfortable installing this mod consult a professional. Failure to precisely follow these instructions may result in damage to the pinball machine, the mod, or yourself. Install this mod at your own risk.

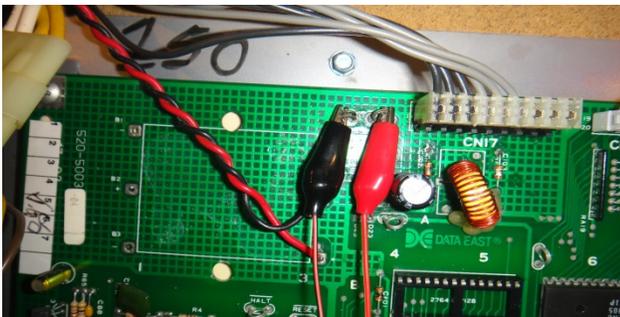
## Step 1: Hooking up the power cable



Open back box and locate CPU board to the right of the power supply.

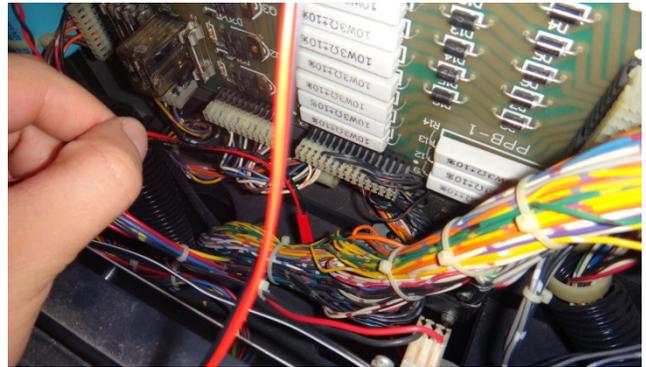


Locate GND & 5VDC test points on the CPU Board.



Install alligator clips from Cable A as shown. Make sure they are firmly connected and have adequate spacing so they don't even come close to touching.

**NOTE:** If you experience strange behavior with the mod when testing you may want to try using the 5V and GND test points directly on the power supply. These are located in the area inside the yellow circle in the picture to the left.

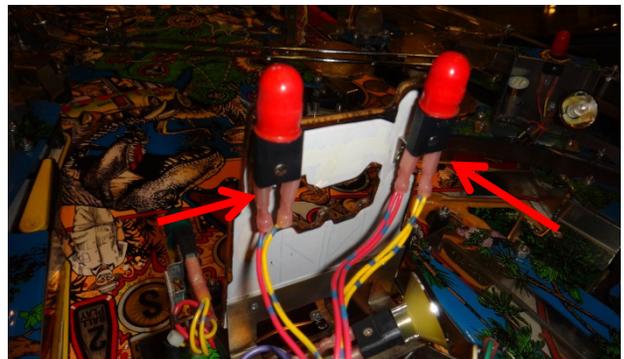


Run other end of Cable A down through the bottom of the back box. Use a wire tie to support Cable A to another wire harness and act as a strain relief.

You are now done in the back box and can close it.

## Step 2: Removing the current gate

Remove playfield glass.



Disconnect the 4 gate lamp wires from the back of the current gate.

# JURASSIC PARK GATE INSTALLATION INSTRUCTIONS

**Disclaimer: This mod is an advanced skill level mod. If you feel uncomfortable installing this mod consult a professional. Failure to precisely follow these instructions may result in damage to the pinball machine, the mod, or yourself. Install this mod at your own risk.**



Remove 2 mounting screws from the backside of the current gate. You can now remove the current gate.

Next remove the 2 wood screws at the front of the ramp which will allow you to pull the ramp up. This will give you more room to run wires under the ramp and to access the nuts in the next step.

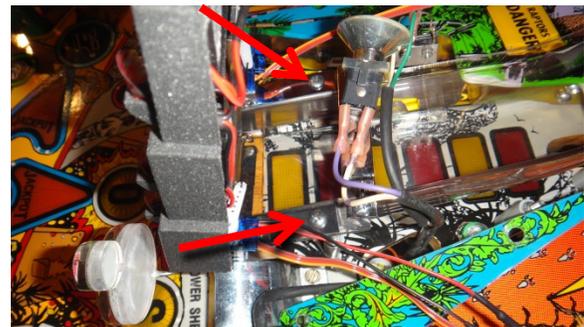


Remove the 2 nuts to allow removal of the playfield plastic in the photo.

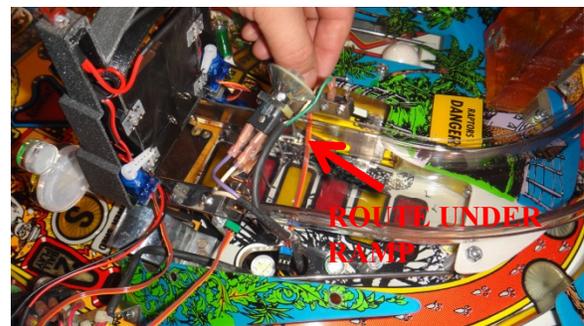


Removal of the plastic will expose the access hole to the bottom of the playfield. Feed the gate lamp cable you previously disconnected at the beginning of Step 2 through this hole. All cables from the new Gate Mod will also go through this hole.

## Step 3: Installing the new gate



Install the new gate. Use the screws from the old gate to attach to the ramp.



Route far servo cable under the ramp.



Route all cables through access hole called out in Step 2.

# JURASSIC PARK GATE INSTALLATION INSTRUCTIONS

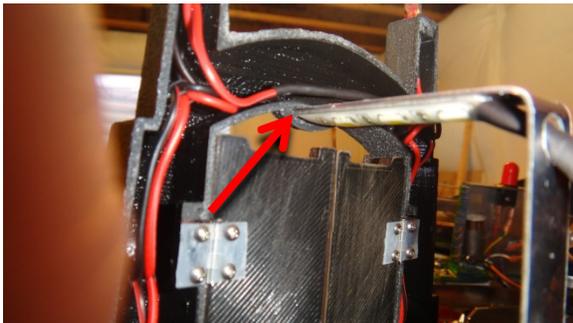
*Disclaimer: This mod is an advanced skill level mod. If you feel uncomfortable installing this mod consult a professional. Failure to precisely follow these instructions may result in damage to the pinball machine, the mod, or yourself. Install this mod at your own risk.*

**You can skip to Step 6 if you don't plan on installing the additional lighting options.**

## Step 4: Installing backdrop and lighting (Option)



Remove tape and position backdrop bracket to the center of the ramp switch bracket.



Set light bar under the middle of the arch. Once bracket with tape is in the center of the ramp switch bracket, press hard on the tape for 15 seconds.



Run backdrop lighting cable through access hole with the rest of the cables. You can now reinstall playfield

plastic. You can also use a wire tie to bundle all wires together.

*Note: You'll install the backdrop picture last, once you can apply power to the doors.*

## Step 5: Installing Spot lamp (Option)



Remove nut to expose access hole to bottom of playfield. Spot lamp will also attach to this post.



Run Cable B through the access hole.

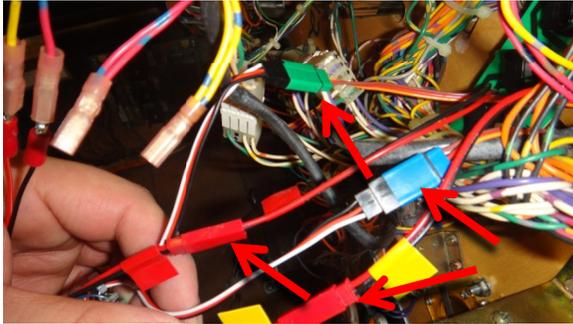


Attach Spot lamp to post and position as desired. You will want to bend this lamp upwards so the ball doesn't hit it.

# JURASSIC PARK GATE INSTALLATION INSTRUCTIONS

**Disclaimer: This mod is an advanced skill level mod. If you feel uncomfortable installing this mod consult a professional. Failure to precisely follow these instructions may result in damage to the pinball machine, the mod, or yourself. Install this mod at your own risk.**

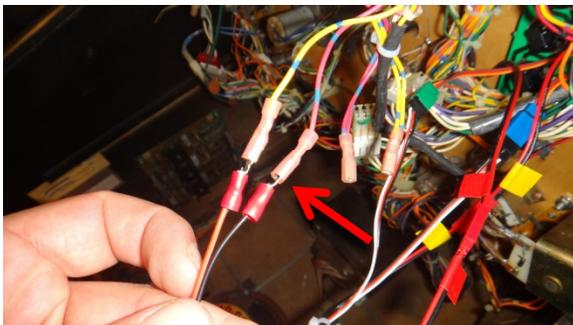
## Step 6: Making the connections



Connect the two servos (Green and Blue) and the torches (Yellow) from the gate. **Note: Make sure the servos are connected properly. (Black to Brown, Red to Red, White to Orange)**

Connect the main power from the back box (Red).

Connect the torch LEDs (Yellow).



Connect the male spade connectors to the cable that previously powered the gate lamps. You can connect to either set of wires. The negative (Black) will connect to the Red wire with the Blue stripe. The positive (Red) will connect to the Yellow wire with Blue stripes. Secure these connections with electrical tape.

Mount the controller assembly using the provided two-sided tape to the clear plastic subway.

Use the wire ties to clean up all the cables to your liking.



The optional Spot Lamp LED and Backdrop LED will connect the (White) connector.

You also can connect both by using the splitter Cable C.

## Optional Configurations:

You can swap the LED cables in any combination that you'd like.

Example: You can swap the Torch LEDs (Yellow) and the Spot Lamp LED (White) so that the Spot Lamp is on all the time and the Torches and Backdrop LEDs only come on when the gate opens.

## Step 7: Installing the backdrop picture

Double check all your connections. Turn on power to the machine. Scroll through the diagnostic screens until you come across turn on all lamps. This will cause the gates to open.

Remove the double sided tape on the front of the bracket.

Center the picture to your liking and stick the picture to the tape. Be careful not to touch the picture to the tape until you have it in position. Apply moderate pressure to the tape to hold in place.

If you'd like to make your own picture for the backdrop, the picture size I'd recommend is 2.5" wide x 3" tall.

# JURASSIC PARK GATE INSTALLATION INSTRUCTIONS

*Disclaimer: This mod is an advanced skill level mod. If you feel uncomfortable installing this mod consult a professional. Failure to precisely follow these instructions may result in damage to the pinball machine, the mod, or yourself. Install this mod at your own risk.*

If you have any questions or problems you can reach me at [outcida@msn.com](mailto:outcida@msn.com) or 303-589-3759. If I don't answer please leave a voicemail and I will get back to you ASAP.

THANKS FOR THE SUPPORT!!!

Tim

## Cable Identification:

