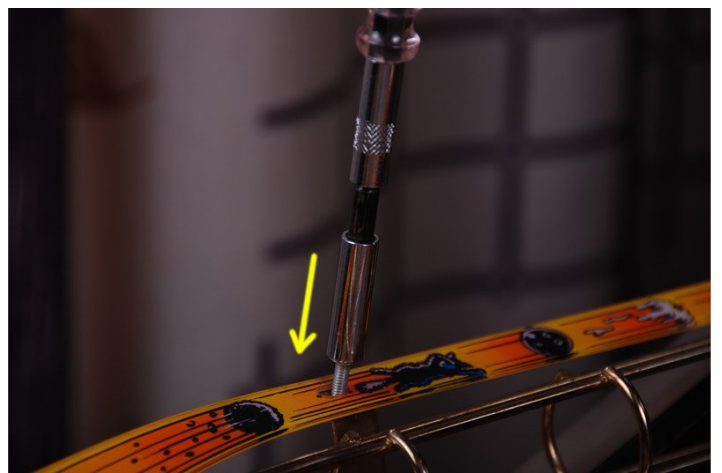
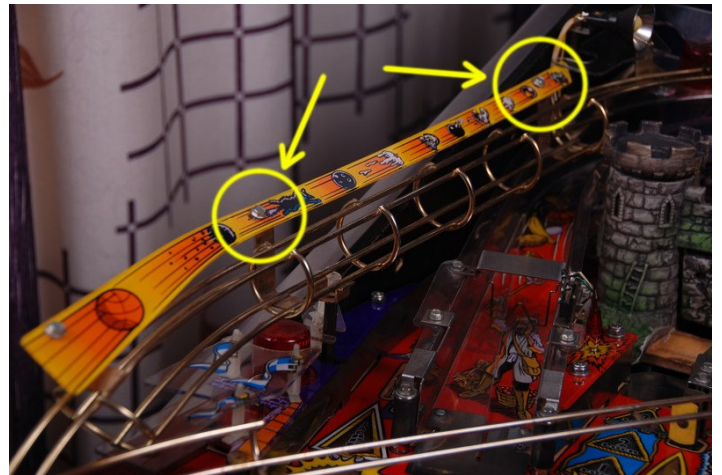


Package contents:

- *Catapult LED mod PCB*
- *2 pcs #8-32 1/2" machine screws*
- *2 pcs #8-32 nylon insert lock nuts*
- *power cable*

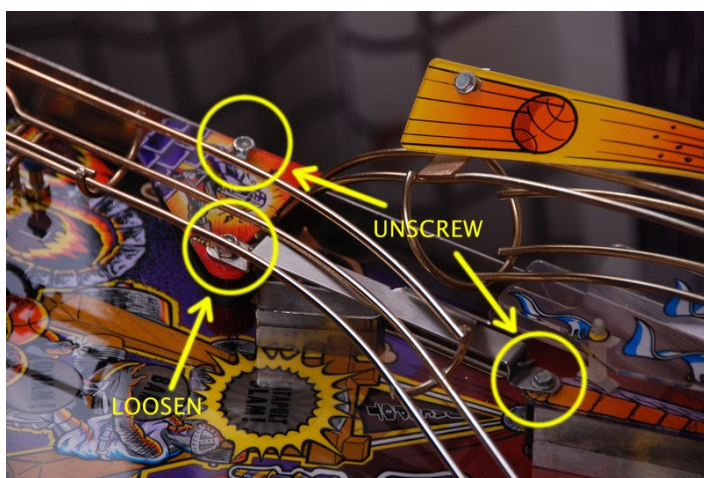
INSTALLATION:

1. Open the coin door
 2. Remove the lockdown bar
 3. Remove the playfield glass
 4. Raise and slide the playfield forth
-
5. Replace the upper 2 machine screws holding the catapult ramp plastic with the new 1/2" machine screws included in the package

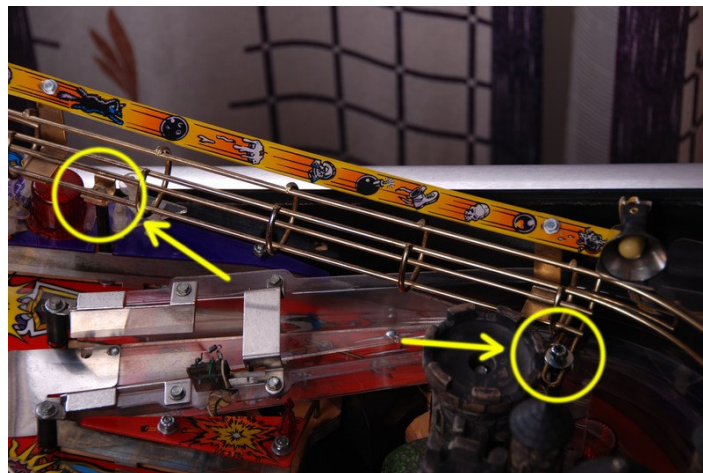


In the next steps, you need to remove the catapult ramp.

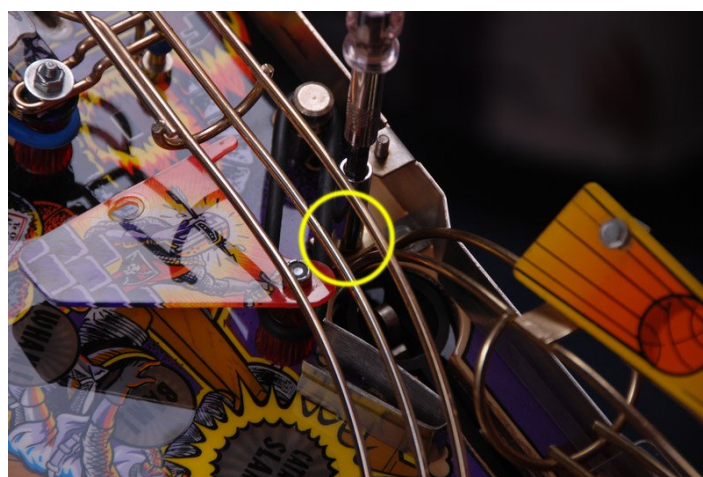
6. Remove the nut from the metal post behind the leftmost castle tower
7. Remove the machine screw in holding the ramp in the middle



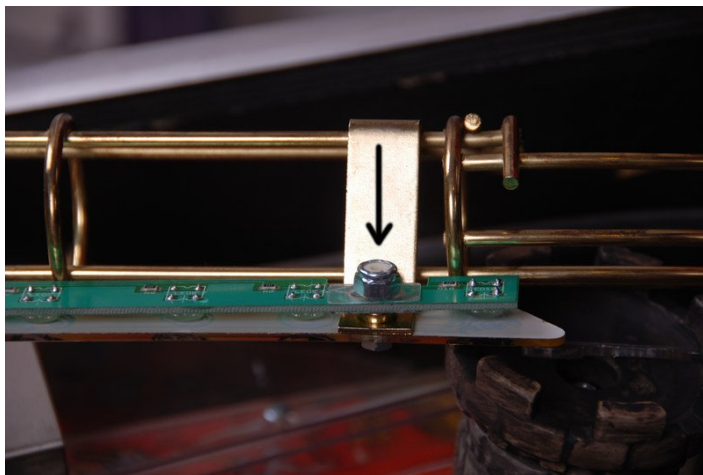
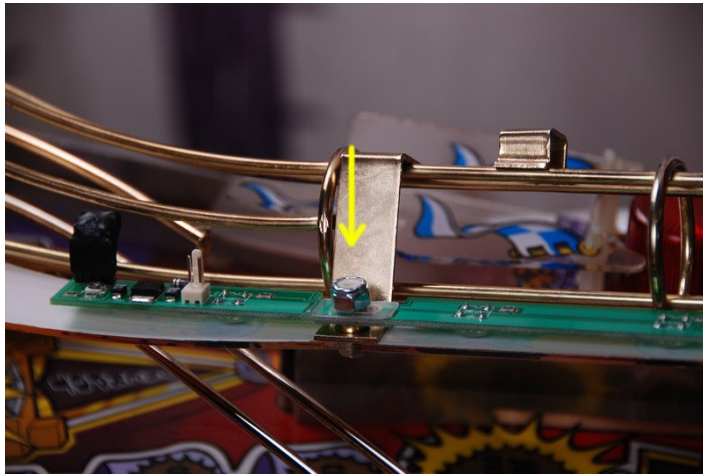
12. Lift the left side of the lower catapult gate plastic from the screw and turn it aside to have access to the lower ramp screw
13. Remove the third screw holding the ramp
14. Remove the ramp. Be careful not to damage the cable of the yellow lamp



8. Remove the leftmost nut from the plastic as seen on the picture.
9. Loosen the other nut of the same plastic
10. Remove the machine screw holding the other end of the catapult wire gate
11. Remove the catapult wire gate

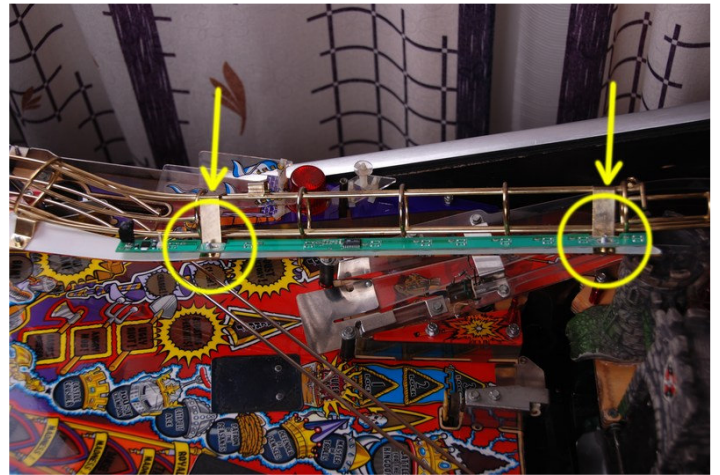


15. Turn the ramp over and install the mod board as seen on the picture.

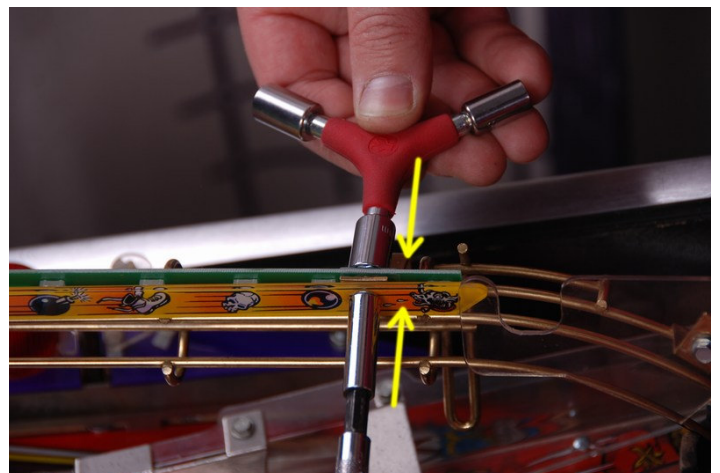


17. Tighten the nuts while holding the machine screw in its place

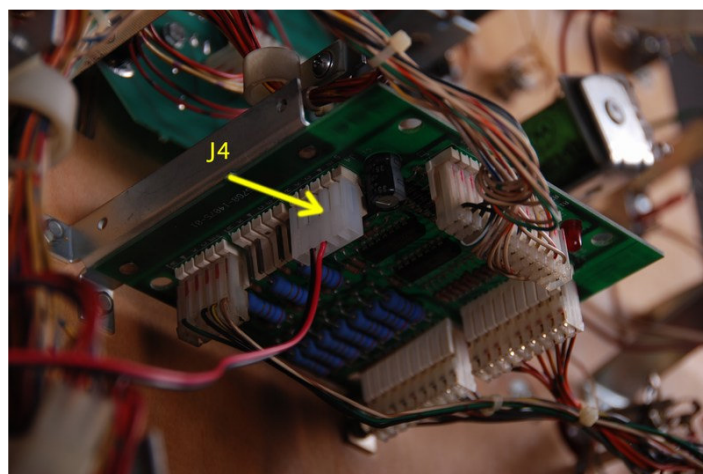
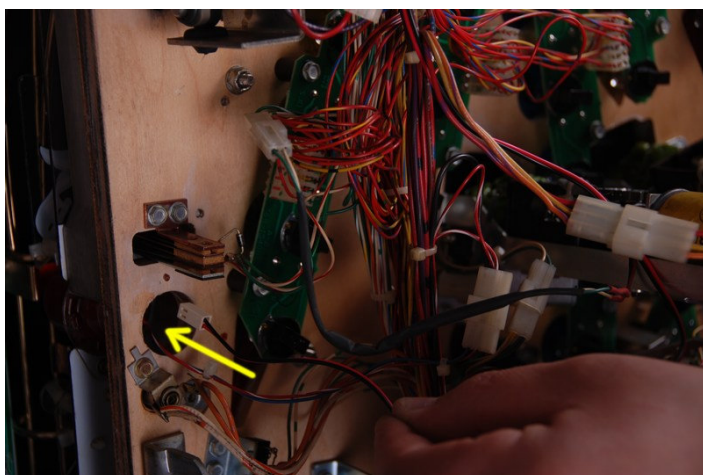
18. Reinstall ramp and catapult wire gate by reversing steps 6 to 14.



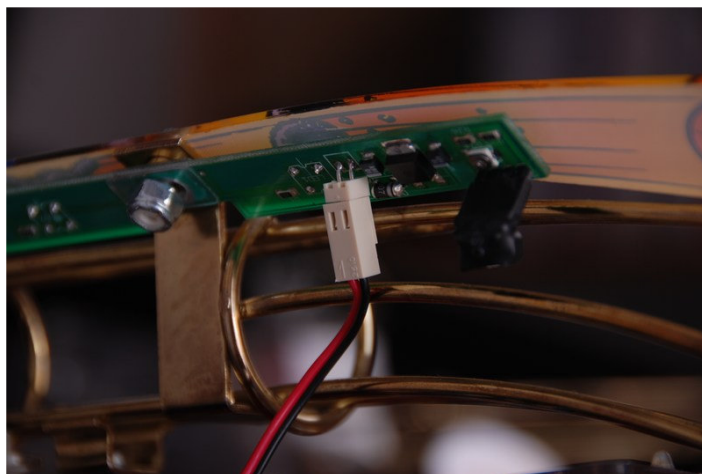
16. Install the #8-32 nylon insert lock nuts included in the package



19. Lift the playfield to vertical position. Make sure you remove the balls before lifting.
20. Plug the power cable's 5-pin 0.154" connector to the unused J4 pin header of the 10-opto switch board. The key helps identifying the right direction.



21. Put the other end of the power cable through the hole below the bottom left flasher



22. Plug the connector to the 2-pin power header of the mod board.

23. Lower the playfield into its place, reinstall balls, playfield glass and lock down bar

Installation is finished; your machine is ready to power up!

Important! The PCB has a variable resistor with which the sensitivity of the opto can be adjusted. These are preset for general environmental conditions. It is NOT advised to adjust these unless a light source with intensive infrared radiation (e.g. halogen lamps close to the machine) interferes with the board starting the LEDs spontaneously.

Some playfield mods with mirror surfaces may reflect too much light from regular bulbs, which may result in almost constant running. Under these circumstances you have to adjust the sensitivity. For more information, please contact us at pimpmypin@gmail.com

It is perfectly normal that the bottom right flasher starts the LEDs. If you do not want the board to work this way, you need to adjust the opto's sensitivity (not recommended) or replace the bulb in the bottom right flasher to #906 LED bulbs which have no infrared radiation which starts the mod.