

## Theatre of Magic

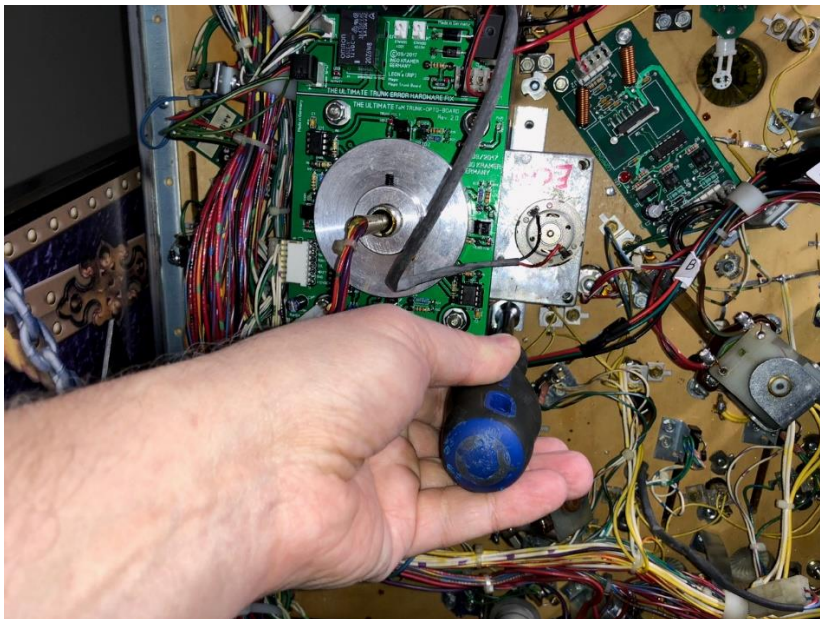
### Installing Cliffy's™ trunk scoop protector

Mike Belofski of [www.purcellvillepinball.com](http://www.purcellvillepinball.com) takes us through his installation

1. Flip the playfield up and take off the front left post by gripping the post with a locking pliers up top and using a nut driver below.



2. Remove the 2 remaining nuts at the bottom and the 1/4" hex bolt at the top left. (This is the bolt that goes into the T-nut to the right of the trunk.) [Before you remove the two nuts note the position of the trunk. The front of the trunk should be parallel to the front scoop.]

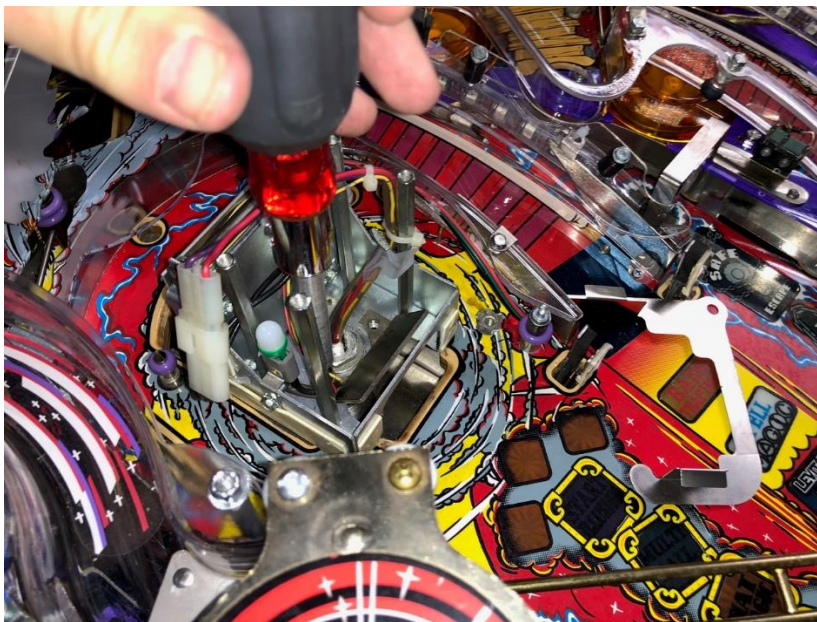


3. Remove the plastic trunk cover



4 There wasn't enough room to squeeze the protector in. So...

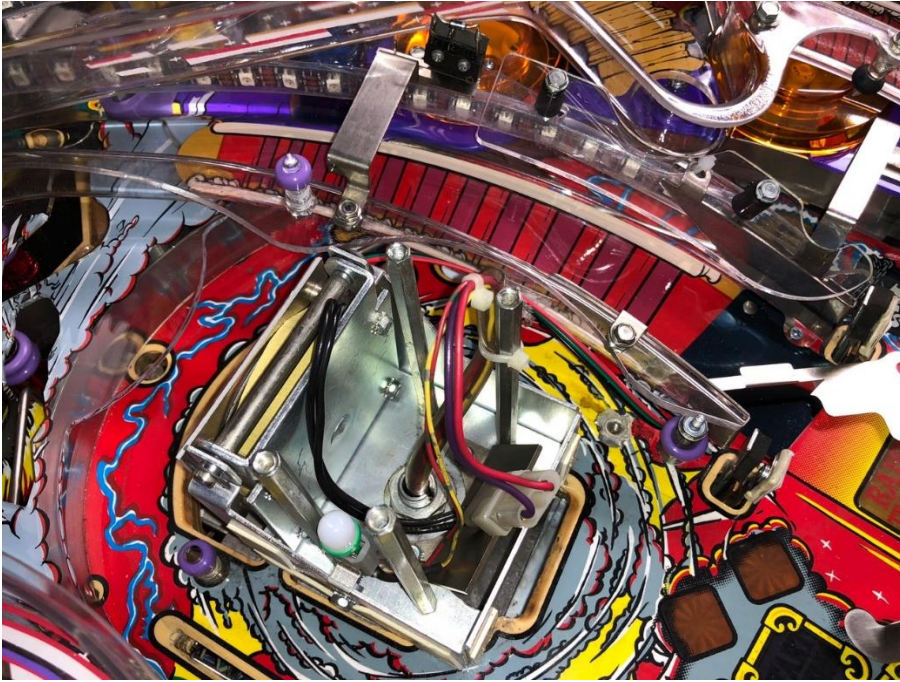
5. I removed the deflector on the side where the ball falls in to provide more space. (I actually did this later but should have done it sooner.)



6. There are two large nuts holding the trunk to the underside assembly. The trunk assembly cannot be easily removed since there is a wire that would need a connector removed and I didn't want to do this much work.) As it turns out the assembly itself doesn't need to be removed. We just need to loosen the top section enough to slip the protector underneath



7. Remove the top nut from the center spinning post and tape it out of the way.

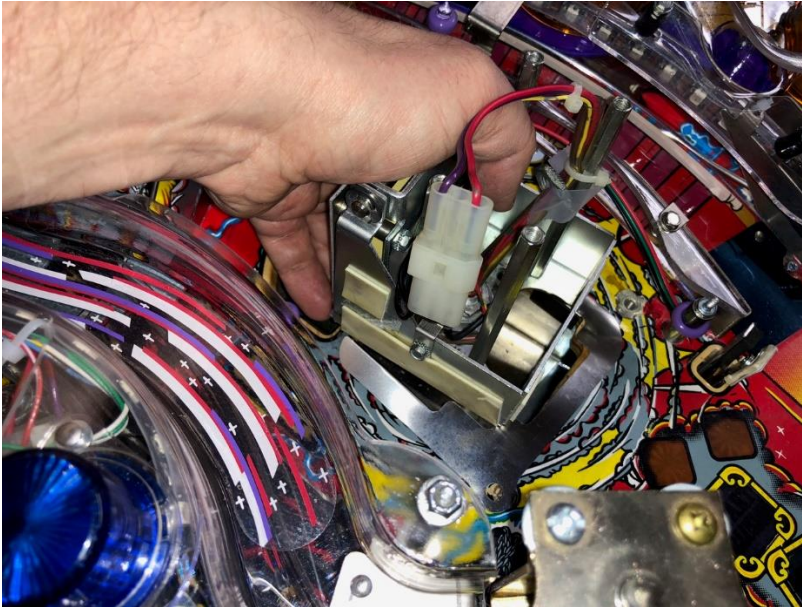


8. Remove the lower nut which gives slack enough to place the protector underneath. Not bad!





9. I aligned the right side of the protector first. I securely attached the lip on the right side.



10. I help up the trunk and slightly bent the protector across the front so that I can get the left side with lip into the hole.

11. I stuck my hand through the front and positioned the lip in place on the left. The protector nicely fell into position.



12. I lined up the protector and ensured post hole was centered and firmly pressed down on front where the 3M adhesive strip is. (make sure to wipe this area with the included alcohol swab just before installing)



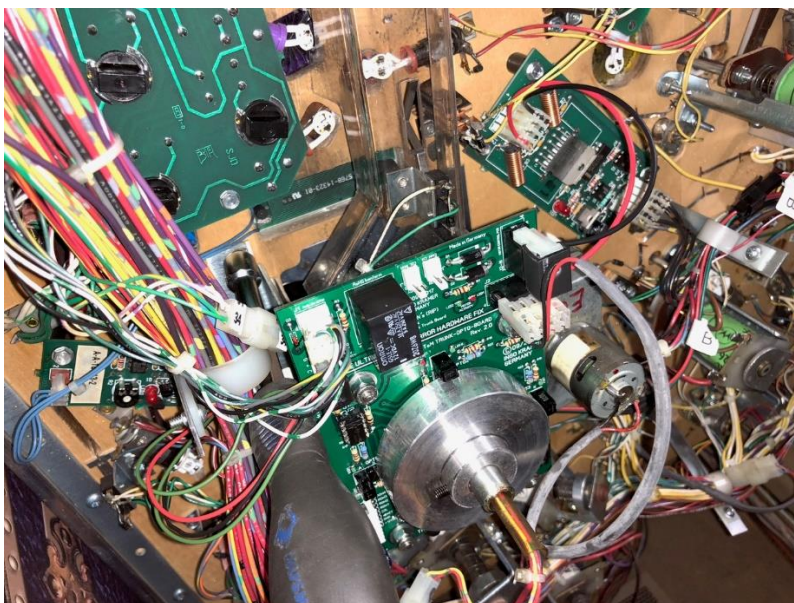
13. Place the lower nut back onto the center post in the trunk and hand tighten a bit.



14. Lift the playfield and ensure the bottom of the trunk assembly was through the bottom two bolts.

15. Insert the 1/4" hex bolt at the top right and tighten. Do not over tighten or it could stick through the T-nut further or slightly bend the wood in the area. Snug is tight enough

16. Replace the two nuts at the bottom with the nut driver.



17. I will install the mini-post last.

18. Lower the playfield.

19. Ensure that the trunk is lined up as it was originally with the front scoop. Mine was parallel to the front of the scoop.

20. Tighten the lower nut in the middle of the trunk. Ensure trunk stays aligned on the scoop. The trunk will start to lower to its original position.

21. Untape the top nut and secure it to the center post above the lower nut. Make sure it is tight.

22. Replace deflector within the trunk that scoops the ball into the hole.



23. Replace the trunk cover.

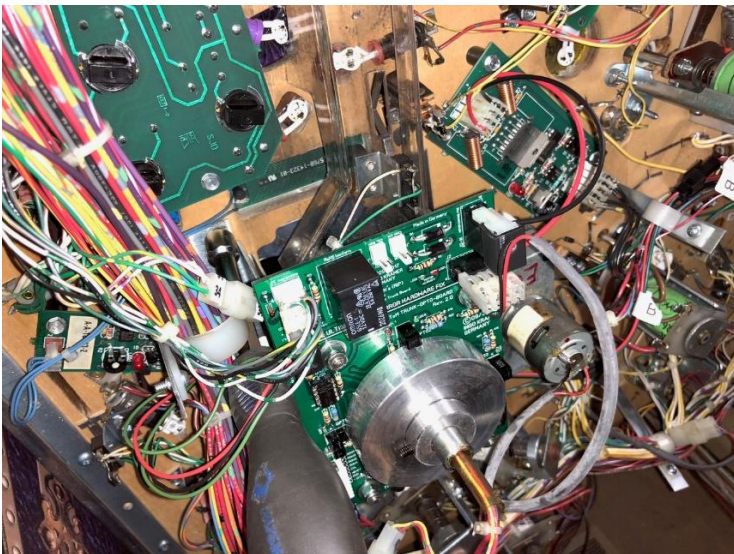




24. place the left mini-post back into the play field. Use a locking pliers to hold it in position.



25. Lift playfield and secure nut to the post.



26. Lower the playfield. Time for testing! I tested the game in switch test mode and the eddy switch worked great. He protector has no ill effect. I tested the trunk movement and it moved smoothly and stopped correctly.

27. Fini! Beautifully protected and ready for play!



Get yours from Cliffy at [www.passionforpinball.com](http://www.passionforpinball.com)

Mike Belofsky of Purcellville Pinball prepared this guide March 2018