Cactus Canyon Train Light installation instructions

Thank you for purchasing the Cactus Canyon Train Light. Note that this mod is for the Chicago Gaming version of Cactus Canyon only. Please read all the installation instructions first before carefully installing the train light.

Parts included:

Note: Parts may vary slightly from photos

Train light assembly

Magnet for railroad ties (with adhesive on back)

8-32 lock nut

Magnet holder for stock metal rails

Alcohol pad to clean RR tie

Spare adhesive for magnet



Get ready to install the parts:

Step 1. Turn off your Cactus Canyon machine and unplug the machine from the power source.

Step 2. Open the front coin door with the machine key and move the lockdown bar handle inside the coin door to the left. See figure 1.

Step 3. While holding the playfield glass from sliding, remove the lockdown bar. Carefully slide the playfield glass down and out of the side channels. Place the glass in a safe location to prevent breakage.

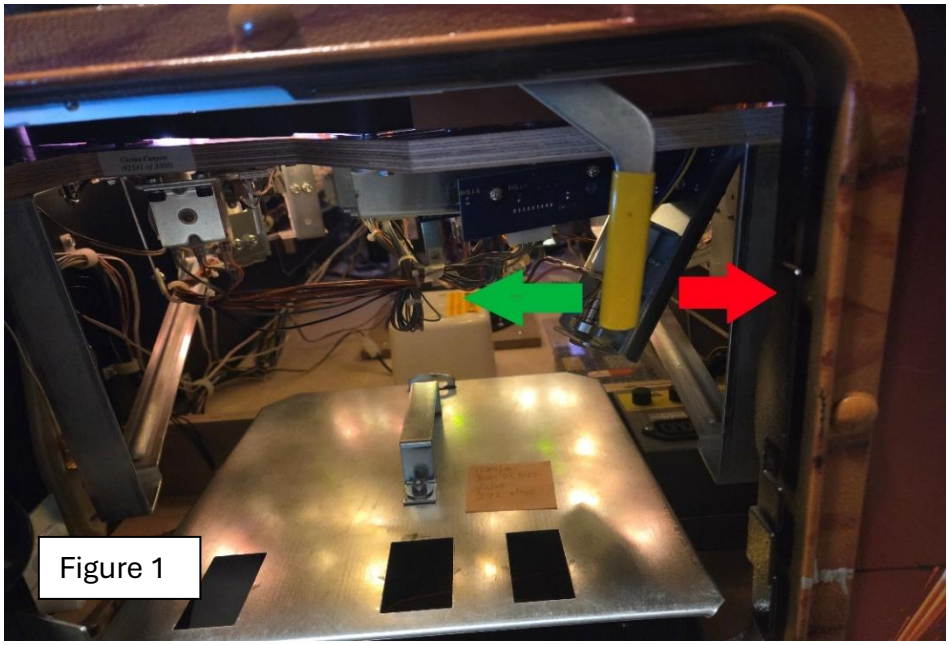


Figure 1

Install the train light assembly:

Step 4. Place a towel on the playfield under the train to catch a screw potentially dropped during install. While holding on to the metal train, remove the two black phillips head screws from the top. See figure 2. Put the screws and the metal train in a safe location so they don't get lost. Only the train frame will remain on the rails.

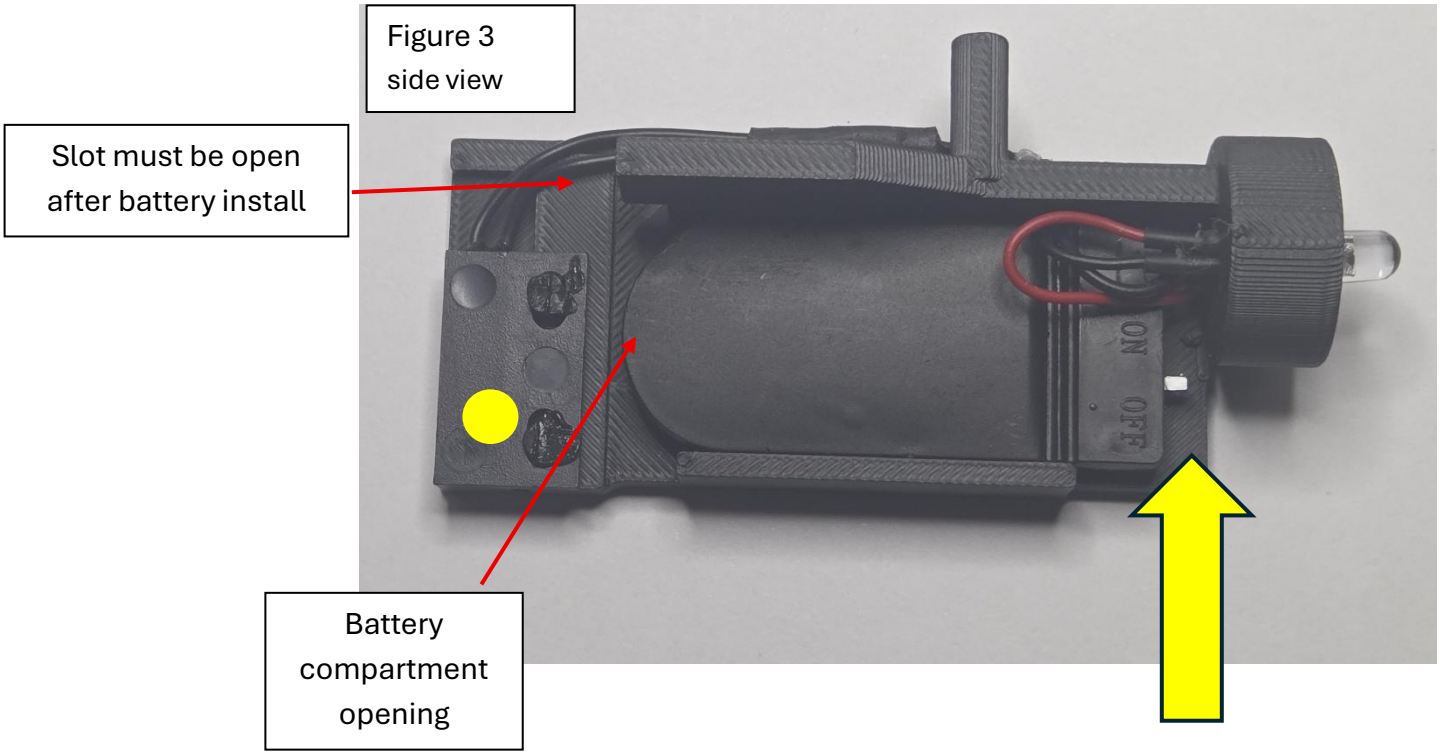


Figure 2

Step 5: Installation of batteries:

Use only two good quality CR2032 three volt lithium button cell batteries. To install, open the battery compartment at the location shown in figure 3 by gently prying up the tab. Insert the first battery nearest the switch (right side of figure 3) with the negative (-) side down. Insert the second battery on the left side with the positive (+) side down. Close the battery compartment tab making sure that the slot in figure 4a remains open. Push up on the white on/off switch (above the yellow arrow in figure 3) to verify the unit is working correctly. The light should turn on. Let the light remain on. If the light does not turn on, check the batteries and be sure the battery compartment is securely closed. See the last page for more information on battery replacement.

Figure 3
side view



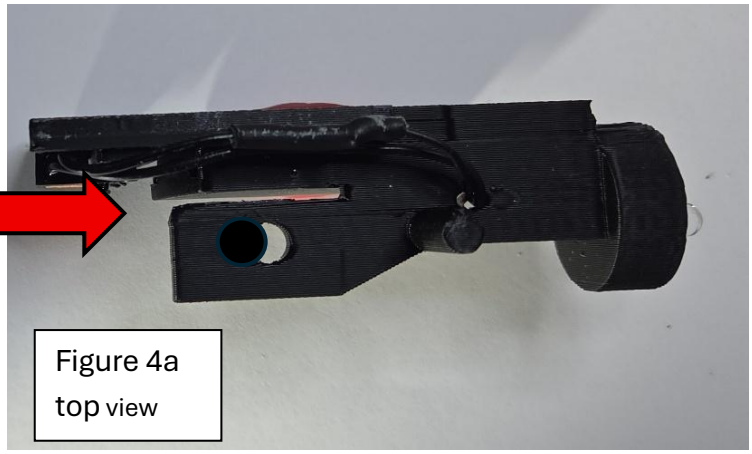


Figure 4a
top view

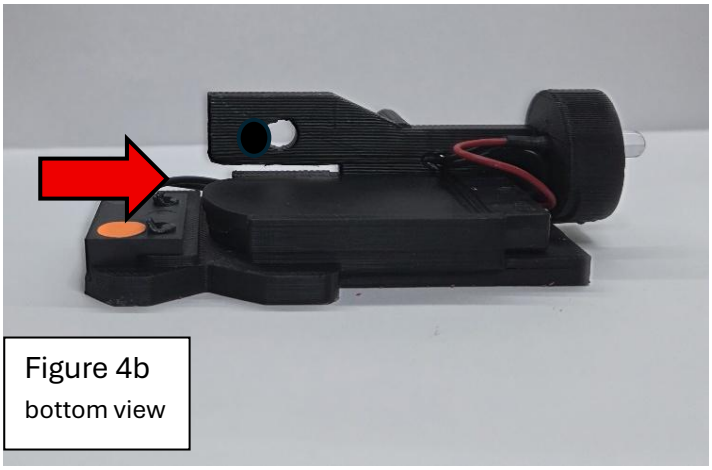


Figure 4b
bottom view

Step 6. Slide the train light assembly onto and UNDER the metal train frame using the slot in the train light assembly. (see red arrow in figure 4a & 4b.) The indentation next to the slot should be facing up. Be sure that the battery compartment is fully closed and flat against the assembly so it doesn't cover any part of the slot. The assembly must slide completely in so that the light will protrude out the front of the train once it is re-installed. The top hole of the metal frame will line up with the indention in the assembly. You can gently slide the metal train bracket further down the tracks towards the left side of the machine if needed to ease installation. See figure 5.



Figure 5
top view

Step 7. Place the metal train you removed in step 4 back over the train light assembly and metal train frame. The post on the top of the train light assembly inserts into the metal train middle stack. The front light bezel inserts into the train nose. See figure 6. Re-insert the screws one at a time in the top of the metal train into the metal train bracket. This step may require slight adjustment of the light assembly on the train bracket while reinstalling the metal train body so it fits together properly.

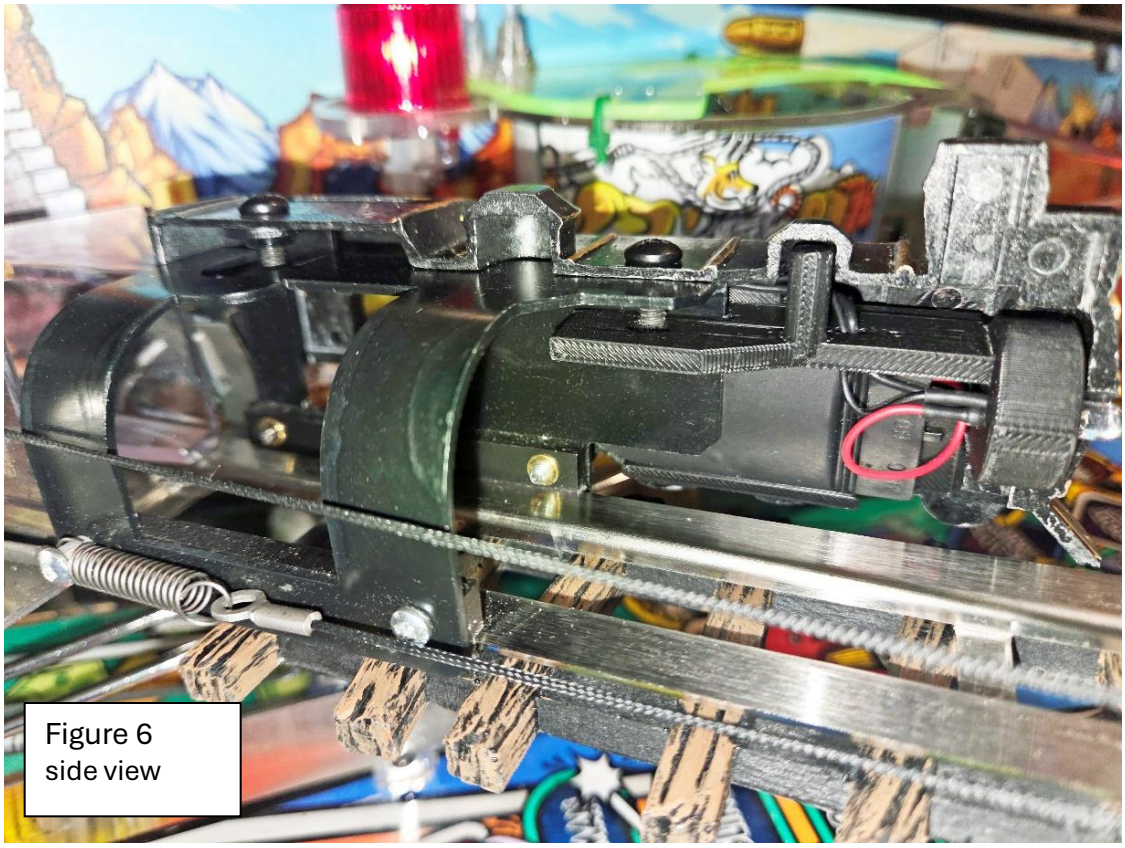


Figure 6
side view

Install the train parking magnet:

Note: If you have the stock metal railroad rails only with no railroad ties, continue with step 8A. If you have added after market railroad ties, or if you own a stock LE version with ties, skip to step 8B.

Step 8A. (metal rails only) Move the existing train about a foot to the left to gain access to the train starting point. Position the magnet holder for the stock metal rails under the rails near the train starting point. The hole in the magnet holder should be placed through the existing bolt and fastened with the 8-32 lock nut supplied so that the magnet is pointing up and toward the front of the pinball machine. See figure 7. Proceed to step 9.

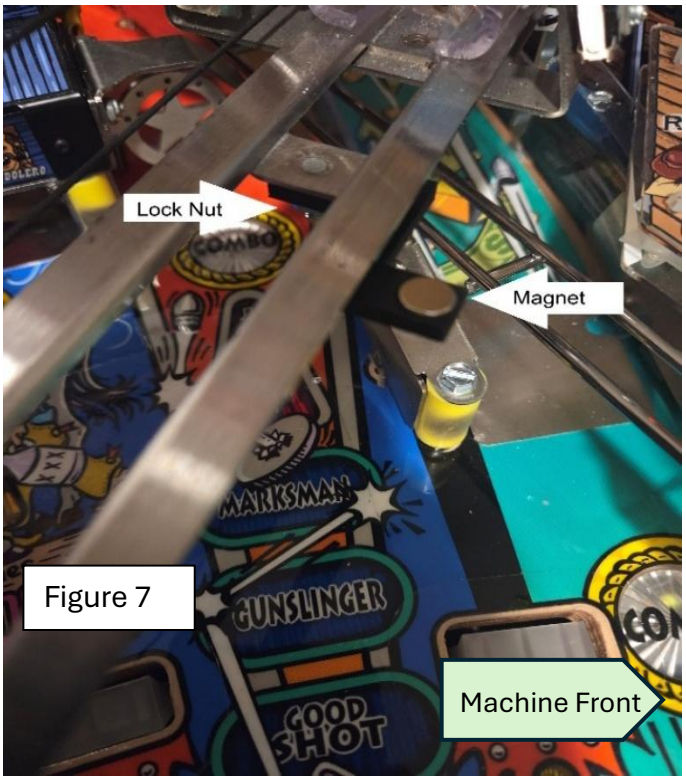


Figure 7

Step 8B. (railroad ties) Make sure that the train is in the parked position on the right of the playfield. Note the position of the rear of the three front train wheels relative to the railroad ties. The closest railroad tie to this position will be the location of the added magnet, just below the colored dot on the train light assembly. The location is typically the second rail from the train starting point. Now move the existing train about a foot to the left to gain access to the train parked position and the railroad tie just identified. Remove the adhesive cover on the single magnet, clean the tie with the alcohol wipe provided, and place the magnet on top of that rail. Position the magnet on rail with enough clearance from the metal rails so that train frame passes the magnet without hitting it. The magnet should be facing up on the rail and be on the rail side closest to the pinball machine front. Figure 8a shows the position of the magnet for typical aftermarket railroad ties while figure 8b shows the magnet location for the CC LE game. There should be adequate clearance, but if any part of the train hits the magnet, the magnet must be moved or lowered on the rail. Once everything is installed, the magnet must be located just below the colored dot on the train light assembly.

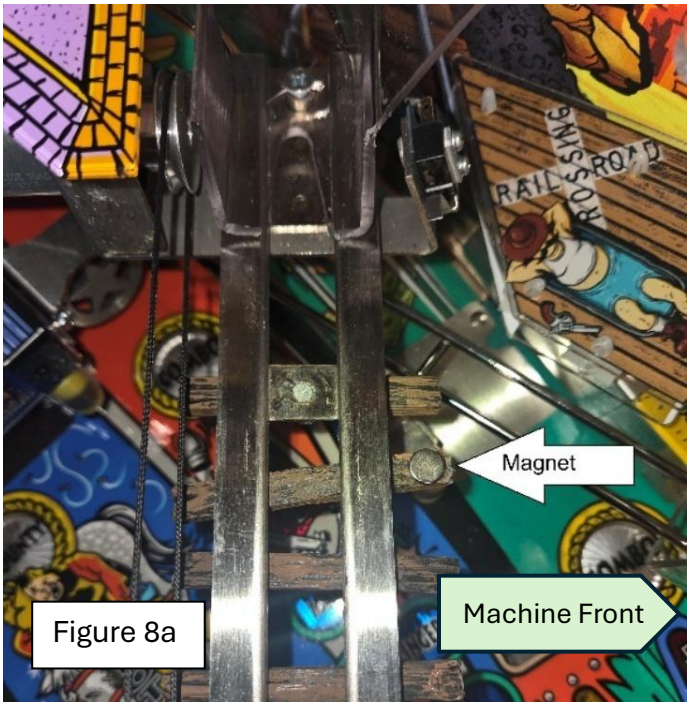


Figure 8a

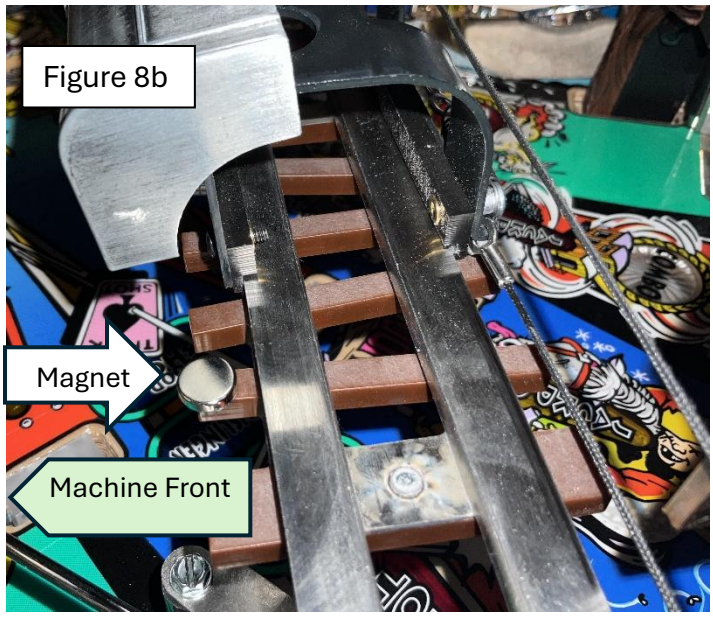


Figure 8b

Step 9. Slide the metal train, light assembly, and metal bracket back toward the train starting point. Once the rear wheel passes near the magnet, the train light will turn off. If the train light does not turn off once the train is in the starting position, reposition the magnet you installed in step 8 so the colored dot on the train light assembly is directly above the magnet.

Step 10. Carefully replace the glass playfield top by sliding it up toward the back of the machine. Re-install the locking bar and slide the locking handle inside the coin back to the normal position to the right. Close the coin door, plug the machine back in, and enjoy your mod!

Note: After playing the pinball game, be certain that the train returns to the parking position with the light out to prevent draining the batteries. If a game ends with the train light on, cycle the pinball game power to return the train to the starting point.

Battery check or replacement: Eveready batteries tested lasted over 70 hours or as much as 2000 games assuming two minutes of train use per game. The batteries can be removed by opening the battery container after removing the light assembly from the train. To replace them, gently pull up on the top of the end of the battery compartment at the location shown in figure 3. Use two good quality lithium metal CR2032 cells. Note the battery nearest the train light is positioned with the positive (+) terminal facing up, and rear battery is positioned with the negative (-) terminal facing up. There is a metal strip on the inside lid of the battery compartment that connects the two batteries. Make sure it is in place and not twisted to one side. If you remove the battery case, it is best to reinsert it from the left side and then slide it toward the right. Be sure it is completely flush with the back of the train light assembly housing so that the slot (see fig 5) is completely open.

We assume no liability for any damage incurred through the use or installation of this item. If you have questions, please email me at: FuturewirePB@gmail.com. Thank you again for your purchase!

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