Pleaser Flashdance Shoe Teardown

Pleaser Pole Dance light-up shoes teardown and assessment of why the electronics frequently break.

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INTRODUCTION

These shoes have been well worn and falling apart.

I was curious how they were constructed. I’ve seen complaints online about the electronics in these shoes stop working or the battery no longer charges.

I wanted to find out why and if there was a way to repair or provide feedback to the manufacturer.

I’m new to electronics and have never done a teardown before, feedback is welcomed.

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TOOLS:

- Precision Utility Knife (1)
I had already pulled apart the first shoe before filming.

- When I went to pull apart the second one, I found that the last time the sole had been repaired, the bonding worked really really well.

- This made it very difficult to pull the shoe apart. So instead I'll show the shoe I had already pulled apart.
Step 2

Before getting to the electronics the common spots for these shoes to fail is:

- The sole starts to lift from the platform,
- The suede on the front of the toe rips and peels,
- The ankle strap tears,
- The toe strap tears.

Step 3

- The shoe works by charging with a micro USB next to the power button on the shank of the shoe.
- The power button also cycles the colours and modes.
- To protect the electronics, the shoes come with a warning to avoid excessive banging and moister.
Step 4

- The RGB LED light strip is glued to the platform.
- The strip ran down the shank of the shoe and then wrapped around the shell containing the battery and board.
- This board shell is held in place under the sole in the box of the platform. The plastic box was sealed with glue.

⚠️ Warning: It was difficult to remove the glue that sealed the shell. The battery could have been damaged when removing it from the case.

Step 5

- The shell cracked, especially at the center, there's a clear indent from the chip in the middle of the board.

ℹ️ Unfortunately, after taking this shoe apart, while I was trying to take detail shots, the wire that connects to the button and USB charge port broke.
Step 6

⚠️ I also found some burning where the battery is soldered to the board and the battery is a little bit of a spicy pillow.

Step 7

- All the pieces.
- If there's interest, I will attempt to fix these shoes.