Exidy 440 Dev Kit Installation Guide

Overview

Follow this short pre-install checklist to ensure a smooth, safe installation and reliable operation of your high score save kit.

Safety First

- Power Off & Unplug**:** Turn the game **off** and **unplug the cabinet** before touching the game board.
- ESD Precautions (Recommended): Work on an anti-static mat and ground yourself to avoid electrostatic discharge.

Preparation Checklist

- Verify Board Health**:** Confirm your **game board is 100% working** *before* installing the kit.
- Remove Board Safely**:** With power **off**, carefully remove the game board from the cabinet.
- Label Connectors**:** Tag **every connector and cable** you disconnect. Clear labels make re-installation fast and accurate.
- Record Orientation**:** Note the **orientation of each connector/cable**. *(Tip: take photos from multiple angles for reference.)*
- Set Up Your Workspace**:** Use a **well-lit workbench** with enough room to lay out the board, kit, and tools.

Next Step

Follow the instructions step-by-step using the photos below and the labels you created during the preparation checklist.

The Exidy 440 Multigame kit contains -

1 – 6809e Daughter card, 6809 sound card and one 6809 pcb.

6809e and 6809 processors required. Purchase via the product page options or install with your current ones.

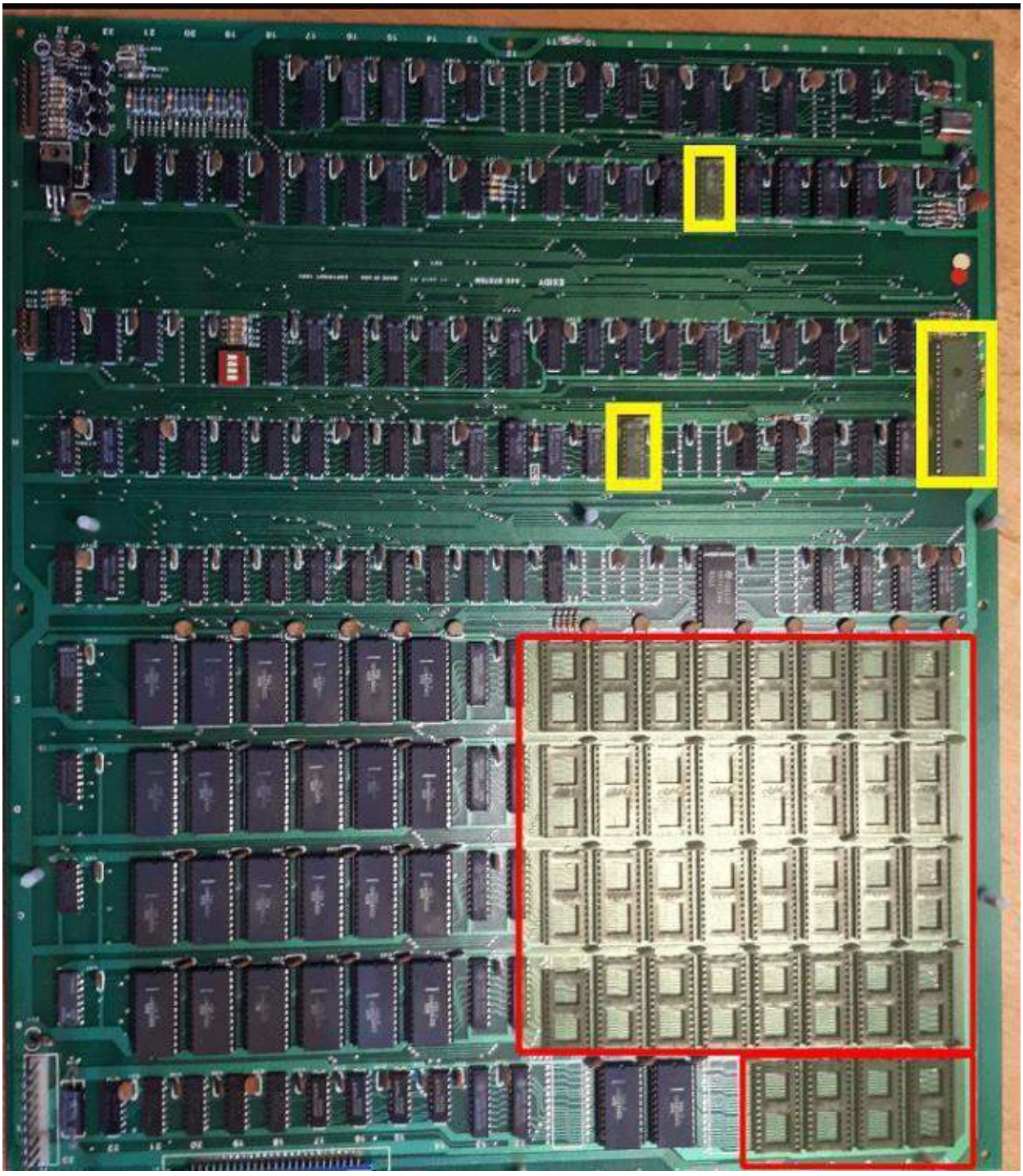
I am going to ask that you have the PCB taken out of your cabinet, all the connectors should be noted by you on where they go so it can be reinstalled properly. Pics are recommended.

From here, we are going to start by separating the sound and CPU PCB. Please take note that there are nylon standoffs that need to be “pushed” back through the hole in the PCB to get them separated. Needle nose plyers are great for this…

Set the sound PCB to the side.

Let us work on the CPU PCB first.

1. Most customers will have a Cheyenne PCB. It may be playing another game like Crossbow, but it should look like the picture. You will need to remove the EPROMs that are highlighted and signified by the red boxes.
   (It is highly recommended that you save these and store them in a safe place. Note where each EPROM goes with a pic)



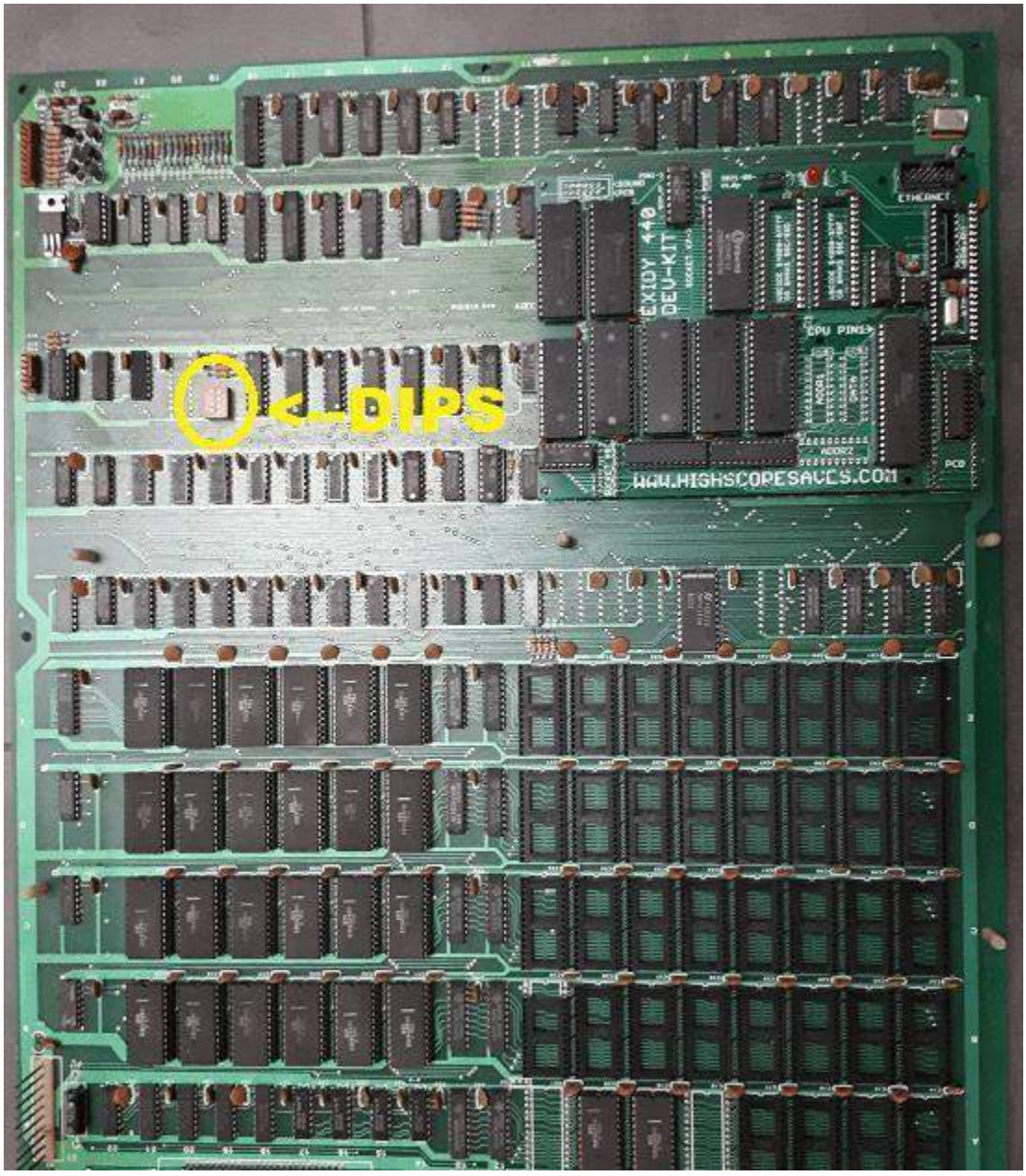
2. You will now remove the 6809E CPU and install on the kit. Please note where Pin 1 is and orientate the 6809E in the socket properly.

3. Now, remove the PROM at K7 and install on the kit. Again, note proper orientation.

4. Now, remove the PROM at H9 and install on the kit. Again, note proper orientation.

5. Now, install the main daughter card onto your PCB. Ensure the pins line up properly in all 3 sockets and press firmly to ensure good connection.

It should look like this –

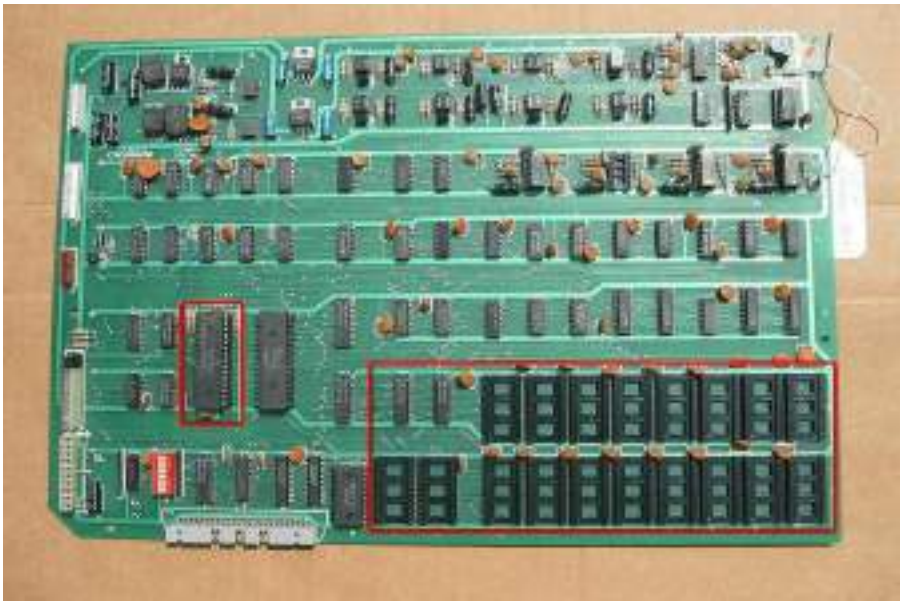


6. Turn all dip switches to OFF on your PCB. It is the small red 4 dip bank circled above.

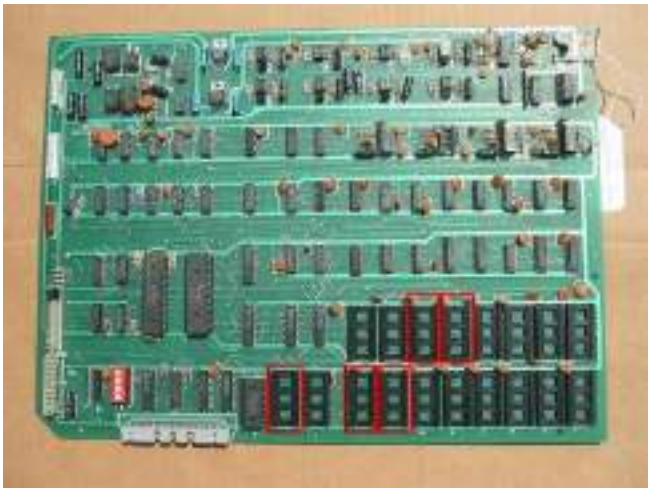
Now, on to the sound PCB! Grab it from the side and let's go!

7. You need to remove the 6809 and set to the side. We will use it later.
8. You will need to remove the EPROMs that are highlighted and signified by the red boxes.

(It is highly recommended that you save these and store them in a safe place. Note where each EPROM goes with a pic)



9. You will install the sound daughter card. The pic below shows where the headers on the sound daughter card are to go. Now, install the sound daughter card onto your PCB. Ensure the pins line up properly in all the sockets and press firmly to ensure good connection.



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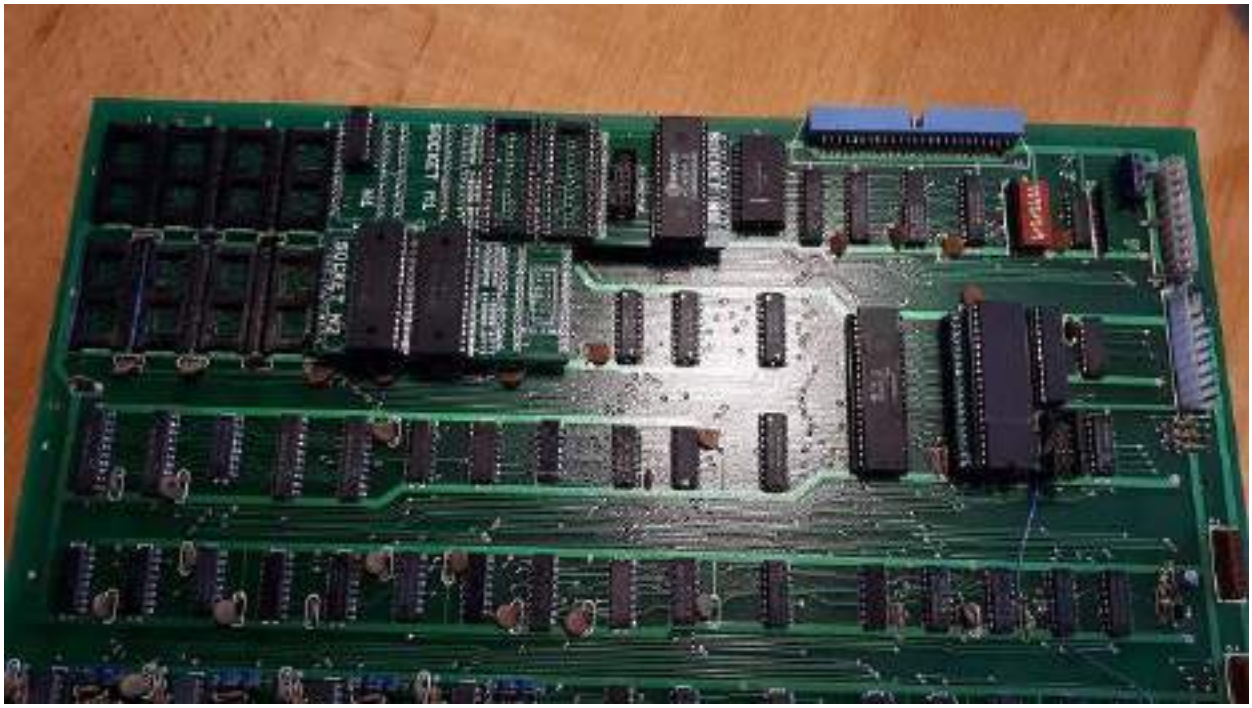
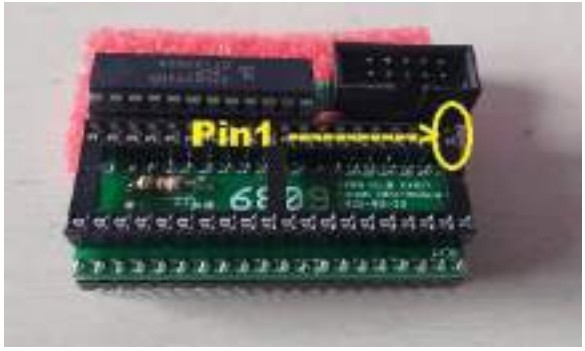
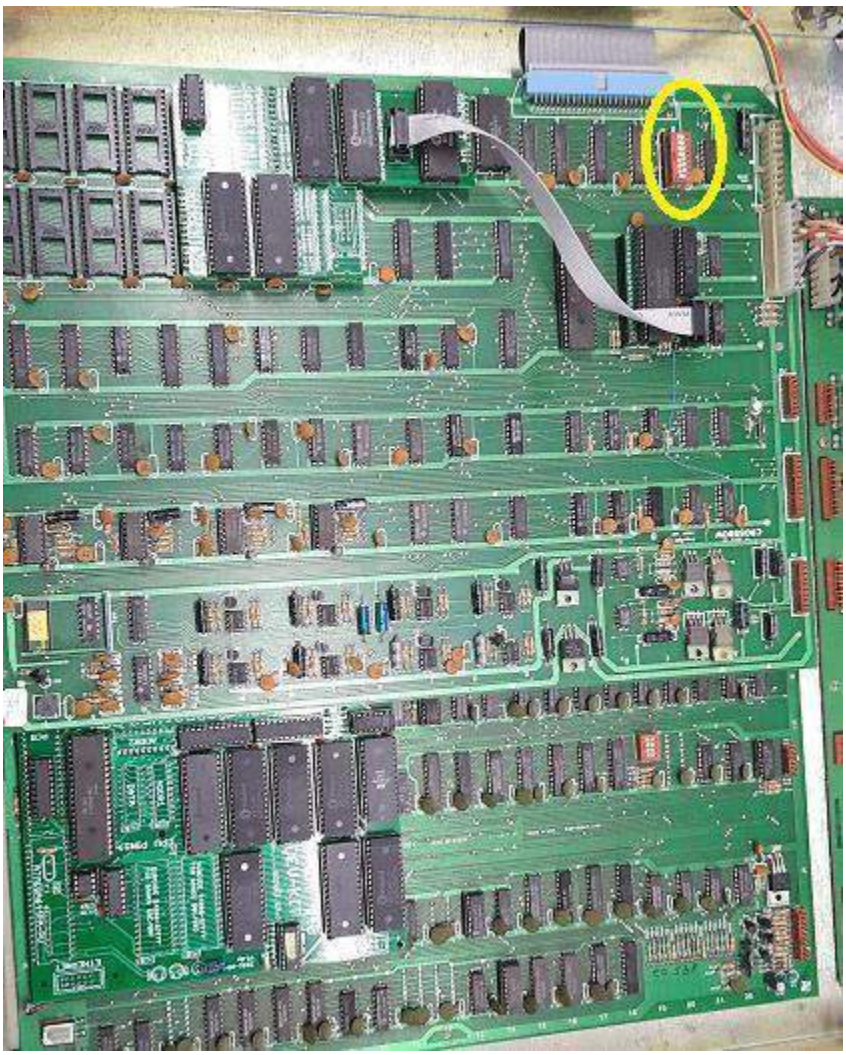


2. Install the 6809 you set aside onto the 6809 daughter card of the kit.



3. Now, install the 6809 daughter card onto your pcb at C2/C3 (where you removed the 6809 from)

4. You will now install the provided ribbon cable from the 6809 daughter card to the sound daughter card. It will look like this.



5. **Turn all dip switches to OFF on your SOUND PCB. It is the red 8 dip bank circled above.**

Check the seating of each daughter board again to ensure proper seating in the sockets.

Now, reassemble your pcb stack.

You're done!

- Double check your work
- Install back in cabinet using pictures you took and any marked connectors
- Power up the game and enjoy!
- If the game does not start, turn power off immediately, double check your work.

How do I get to the menu settings?

With the power off on your game. Press and hold P1 while you turn the game on. Release P1 button when the screen tells you to. You are now in the main menu settings. This is a feature built into your kits, so the menu settings are not accessible to your guests or family.

Now, having said that, you need to enable this feature in the menu settings, or disable if you want your kit to give you approximately 5 seconds every time you turn on your game.

Helpful links –

Homepage - https://www.highscoresaves.com/

Product Page - https://www.highscoresaves.com/Exidy-440-Multigame-Free-Play-and-High-Score-Save-Kit/HSSEXIDY440

What's a Wi-Fi kit? - https://www.highscoresaves.com/What-s-a-WiFi-Enabled-Kit-or-Standard-Kit/

Tips and Tricks - https://www.highscoresaves.com/media/a6/28/5e/1756433395/Highscoresaves%20Tips%20and%20Tricks_compressed.pdf?ts=1756433395