

Donkey Kong | Pauline Edition 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 Donkey Kong / Pauline / D2K kit contains -

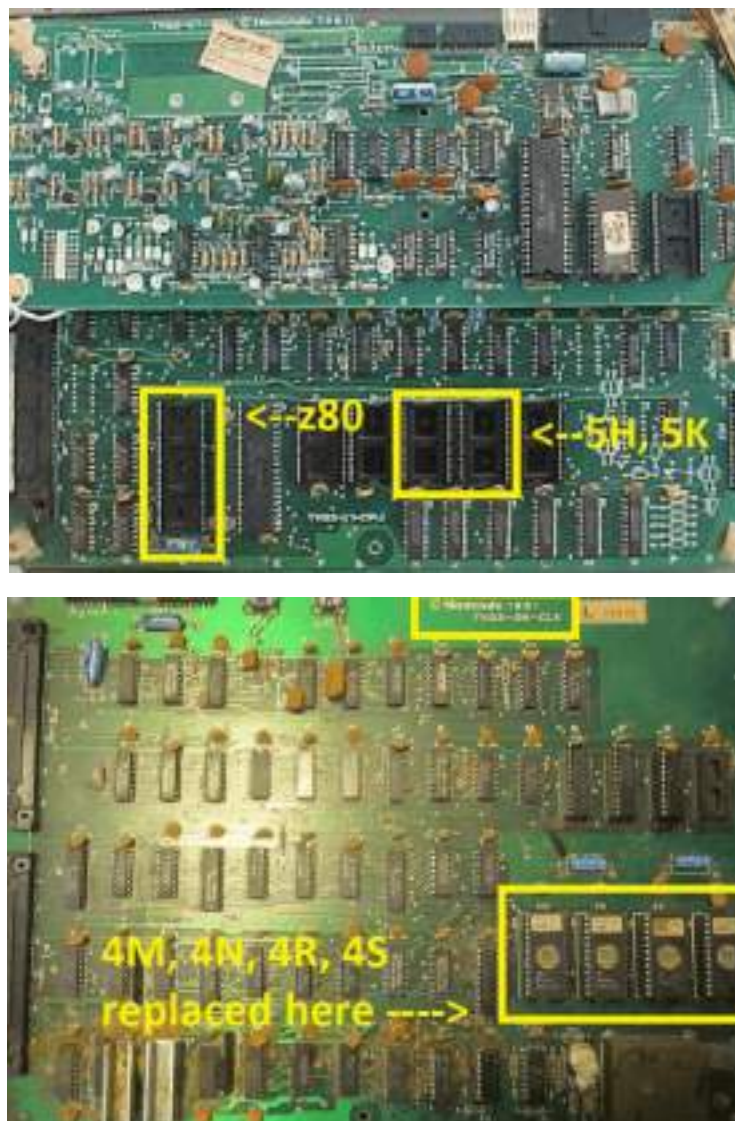
- 1 – z80 Daughter card, **OPTIONAL** – You will need the 5 GRAFX eproms to have Pauline sprites to display properly

Z80 processor required. Purchase via the product page options or install with your current Z80.

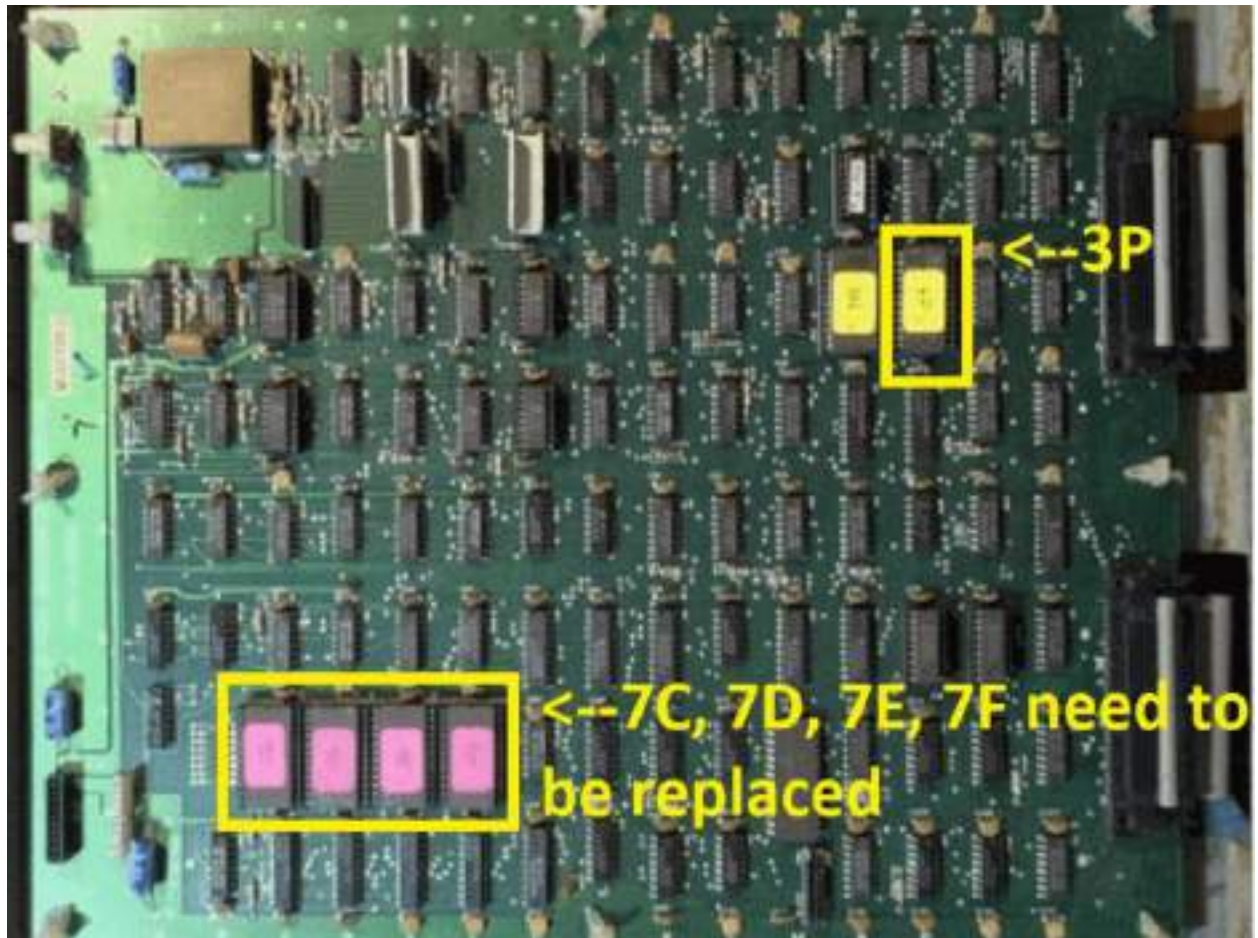
Overview –

This Donkey Kong and Pauline Edition Free Play and High Score Save Kit requires 5 additional eproms to run Pauline Donkey Kong properly. You can download them yourself at the bottom of the product page and burn them yourself to five 2732 eproms.

Picture of a 4 PCB stack and where to install –

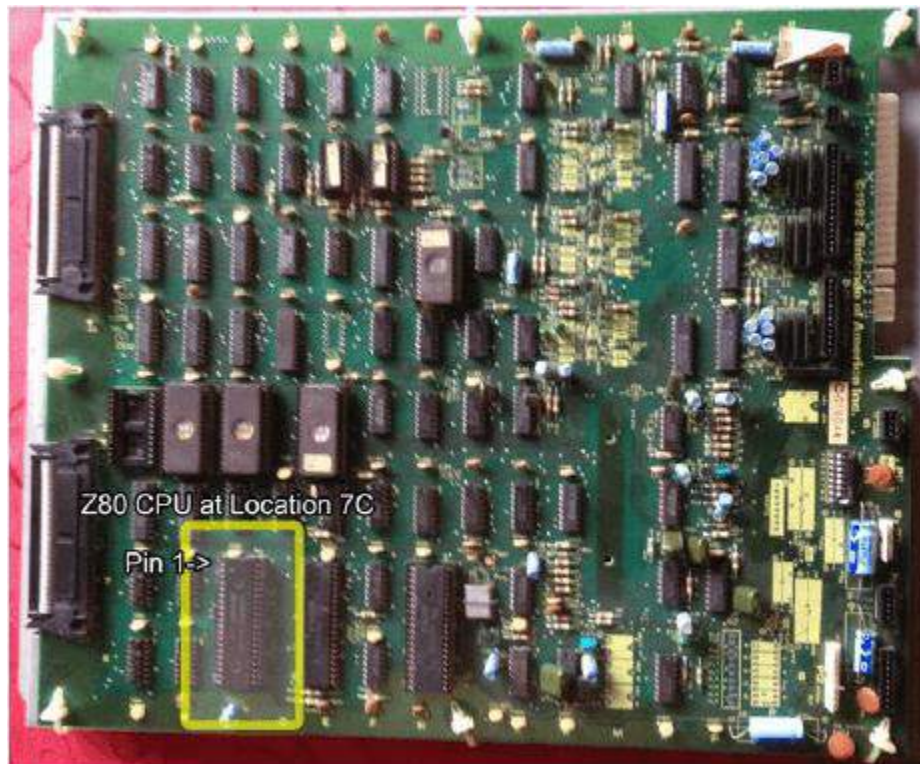


Picture of a 2 PCB stack and where to install –



Start with locating your z80 socket.

This is what your pcb should look like. This kit will only work on a DK PCB.



1. Locate your z80. Remove.



2. Install the z80 onto the daughter card then attach it to PCB like this.
[Ensure PIN 1 of the z80 is installed with the proper orientation]-

Pin1 on z80 –



{Kit may look different, as my daughter cards have changed a bit}

3. Ensure that nothing is hitting the underside of the new daughter card from your original PCB. Sometimes test points on your PCB need to be bent away.

ROM Chart –

Function	Chip Type	2-Board	4-Board
Color Maps	256x4 prom	2E (CPU)	2K (CPU)
Color Maps	256x4 prom	2F (CPU)	3V (CPU)
Character Colors	256x4 prom	3N (VIDEO)	6F (VIDEO)
Fixed Characters	2716	3H (VIDEO)	5H (VIDEO)
Fixed Characters	2716	3P (VIDEO)	3K (VIDEO)
286 CPU	286	7C (CPU)	8C (CPU)
Z80 Code 0x3000-0x3FFF	2532	5A (CPU)	5K (CPU)
Z80 Code 0x3000-0x3FFF	2532	5B (CPU)	5H (CPU)
Z80 Code 0x1000-0x1FFF	2532	5C (CPU)	6G (CPU)
Z80 Code 0x0000-0x0FFF	2532	5K (CPU)	5P (CPU)
Not used - vacant			5L (CPU)
Moving Objects (sprites)	2710	7D (VIDEO)	4M (CLK)
Moving Objects (sprites)	2710	7D (VIDEO)	4H (CLK)
Moving Objects (sprites)	2710	7E (VIDEO)	4B (CLK)
Moving Objects (sprites)	2718	3P (VIDEO)	6B (CLK)
Digital Sound	2716	3F (CPU)	5J (SOU)
Digital Sound	2716	3H (CPU)	3I (SOU)
8025 MPU (music)	8025	7H (CPU)	3M (SOU)
CPU RAM	2114	2A (CPU)	6H (CPU)
CPU RAM	2114	4A (CPU)	6J (CPU)
CPU RAM	2114	3B (CPU)	6K (CPU)
CPU RAM	2114	4B (CPU)	8L (CPU)
CPU RAM	2114	5C (CPU)	6M (CPU)
CPU RAM	2114	6C (CPU)	8N (CPU)
Character RAM	2114	3P (VIDEO)	5L (VIDEO)
Character RAM	2114	3R (VIDEO)	5M (VIDEO)
Object (sprite) RAM	2148/8148	6P (VIDEO)	2L (VIDEO)
Object (sprite) RAM	2148/8148	6K (VIDEO)	2M (VIDEO)

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/Donkey-Kong-Pauline-Edition-DK-Free-Play-and-High-Score-Save-Kit/HSSDKPAULINE>

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