

ARKANOID MULTIGAME

FREE PLAY + HIGH SCORE SAVE KIT

ORIGINAL TAITO ARKANOID ARCADE HARDWARE



STANDARD + WI-FI EDITIONS

Z80 • MCU • Color PROM • Graphics ROM • Testing • Support

Before you begin

ONE KIT WITH MULTIPLE DAUGHTER CARDS

This kit uses four separate daughter cards and one ribbon cable. The Standard and Wi-Fi kits use the same physical installation; the Wi-Fi version adds its Wi-Fi module. Follow each component step in order.

SAFETY FIRST

Power off and unplug the cabinet before touching the PCB.

Use static-safe handling on a clean, well-lit bench. Photograph connectors and cable orientation before removal.

Avoid monitor and high-voltage circuits. Ask a qualified arcade technician to fit a Z80 socket if the CPU is soldered to the PCB.

BEFORE STARTING

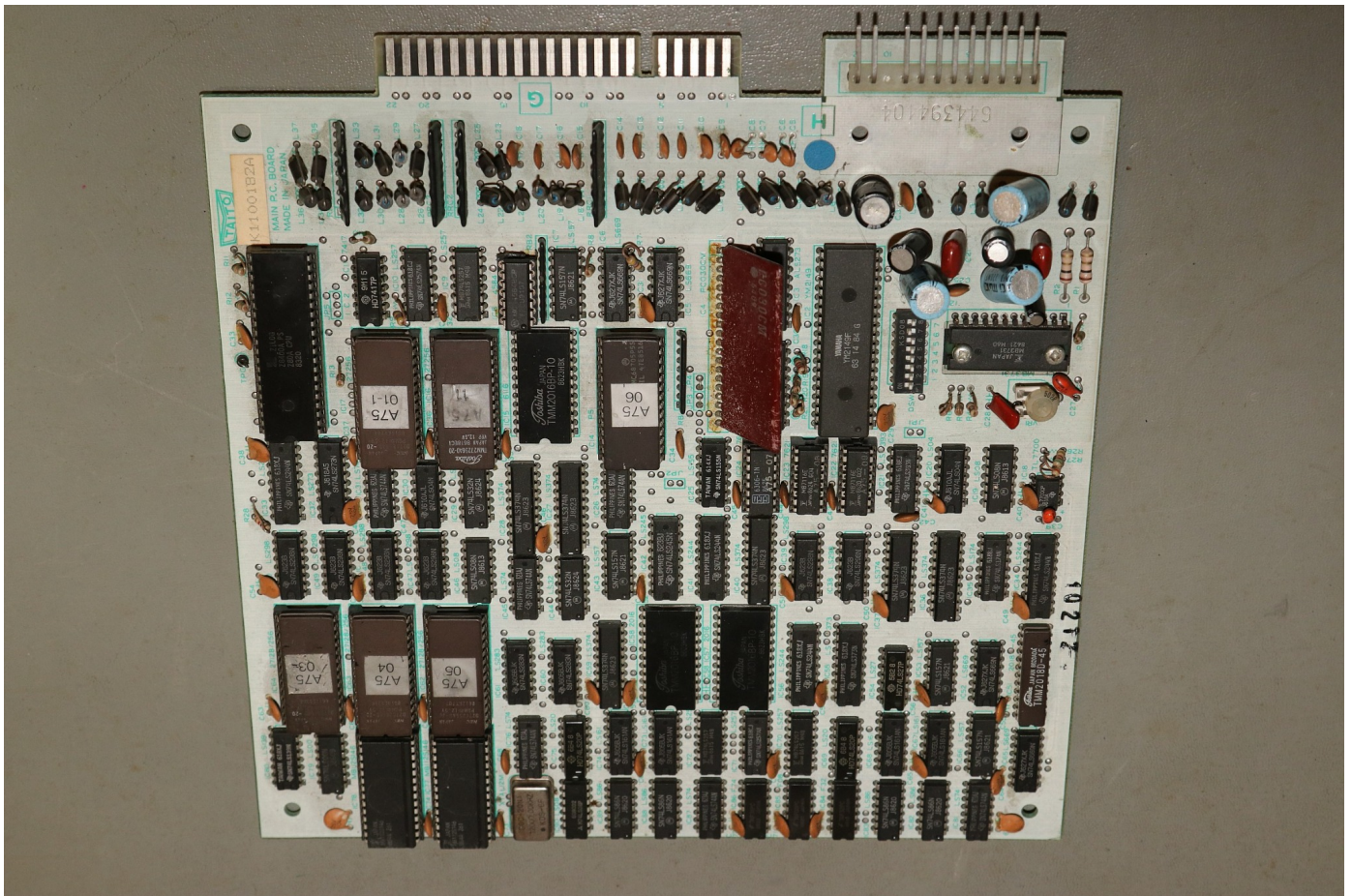
- Confirm the game PCB operates correctly before modification.
- Photograph the PCB, harness orientation, daughter-card locations, and original connectors.
- Check the Z80 is in a compatible 40-pin socket, rather than soldered directly to the PCB.
- Keep any removed original chips labeled and stored safely.
- Compare your board with the clear, full-board identification photo on page 3.

INCLUDED KIT COMPONENTS

1 × Z80 Main Daughter Card; 1 × MCU Replacement Card; 1 × Color PROM Card; 1 × GRFX ROM Card; 1 × Ribbon Cable. A Z80 CPU is required: reuse the original compatible Z80 or use the replacement selected with your order.

Identify the original Arkanoid PCB

The full-board photograph shows an original Taito Arkanoid PCB. The kit is intended for documented compatible Arkanoid and Arkanoid Tournament boards. Compare your board layout and component positions before proceeding; later photos show specific installation locations.

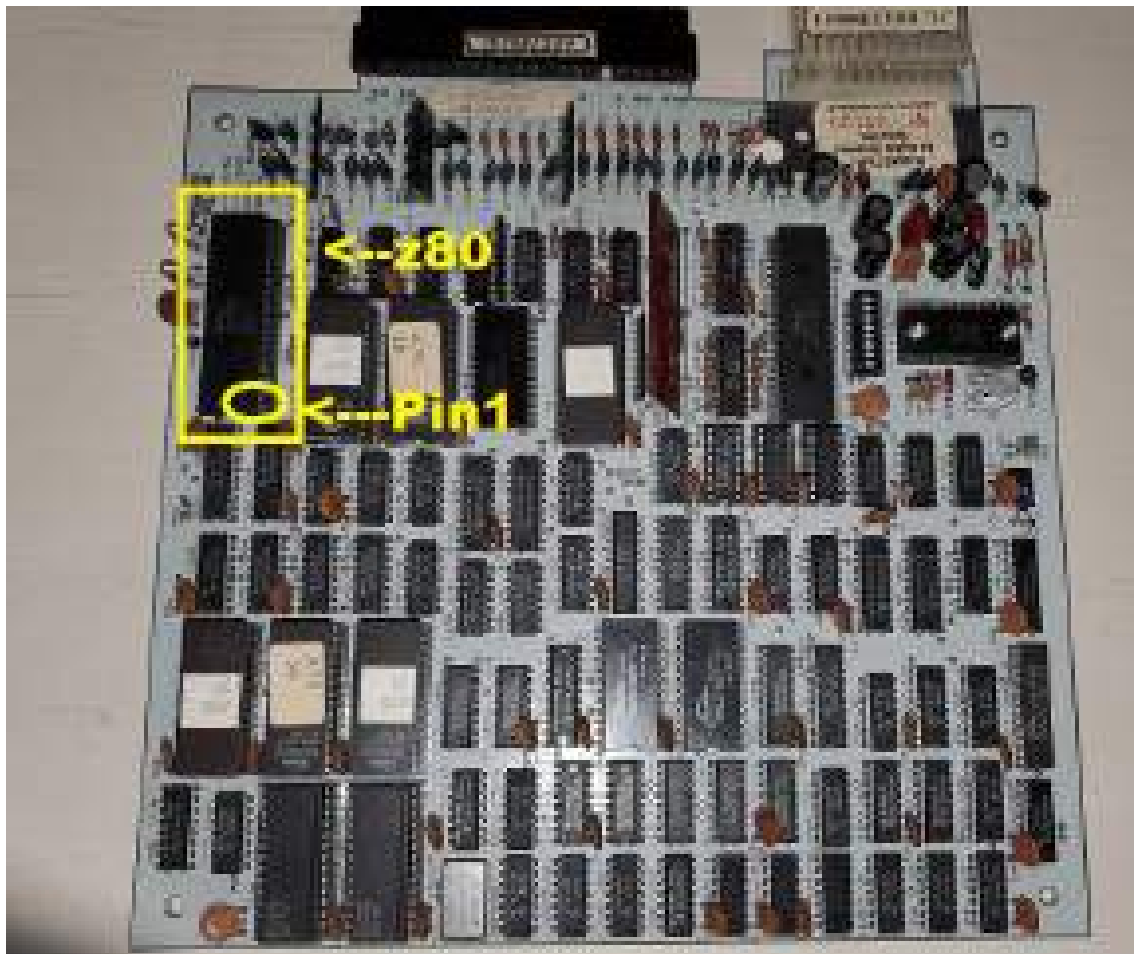


CONFIRM THE EXACT ORIGINAL PCB

Use this full-board photo as a visual reference, not a substitute for verifying sockets, Pin 1 direction, and compatibility. Stop if the board layout differs substantially.

Locate and remove the Z80

Find the socketed Z80 on the left side of the original PCB. The yellow markings indicate the CPU position and its Pin 1 orientation. With the board unplugged, gently lift the CPU evenly from its socket.



PROTECT THE ORIGINAL PROCESSOR

Use an appropriate chip-removal tool, lifting evenly at both ends. Never force the CPU pins. If the original Z80 is soldered to the board, do not pull it; a qualified technician must install a compatible socket.

Install the Z80 daughter card

CRITICAL: PIN 1 DIRECTION

Seat the compatible Z80 CPU on the HighScoreSaves main daughter card, aligning its Pin 1 with the daughter-card socket markings. Align the assembled daughter card with the original Z80 socket on the Arkanoid PCB.

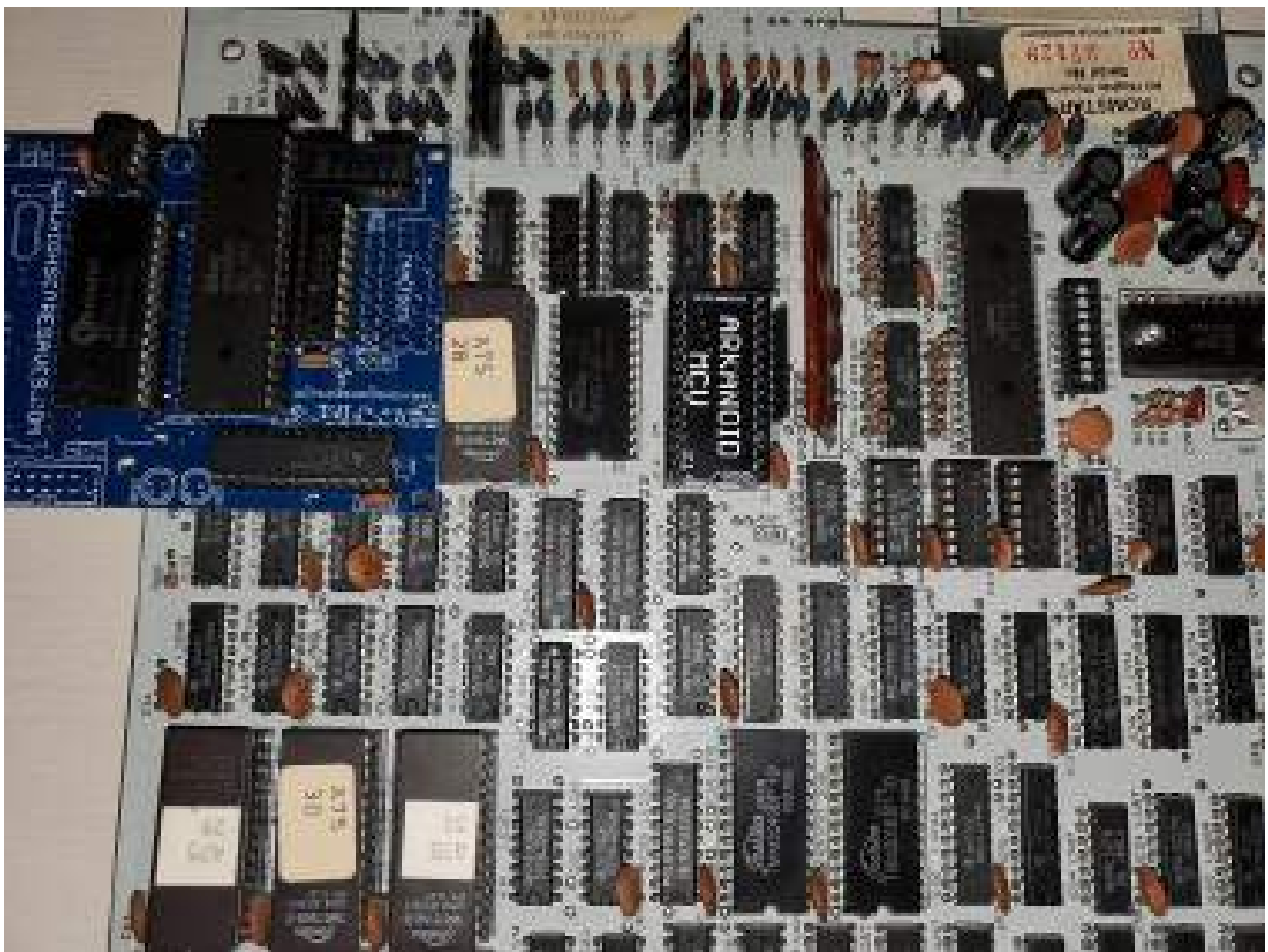


INSPECT BEFORE MOVING ON

Confirm every Z80 and daughter-card pin is aligned, straight, and fully seated. Check the underside of the new card for contact with surrounding components.

Install the MCU replacement card

The original guide identifies the MCU Replacement Card in this position. With the power disconnected, compare your PCB with the photo and verify socket orientation before seating the card. The original guide calls this the “MPU” card on one page; the product and parts list name it MCU.

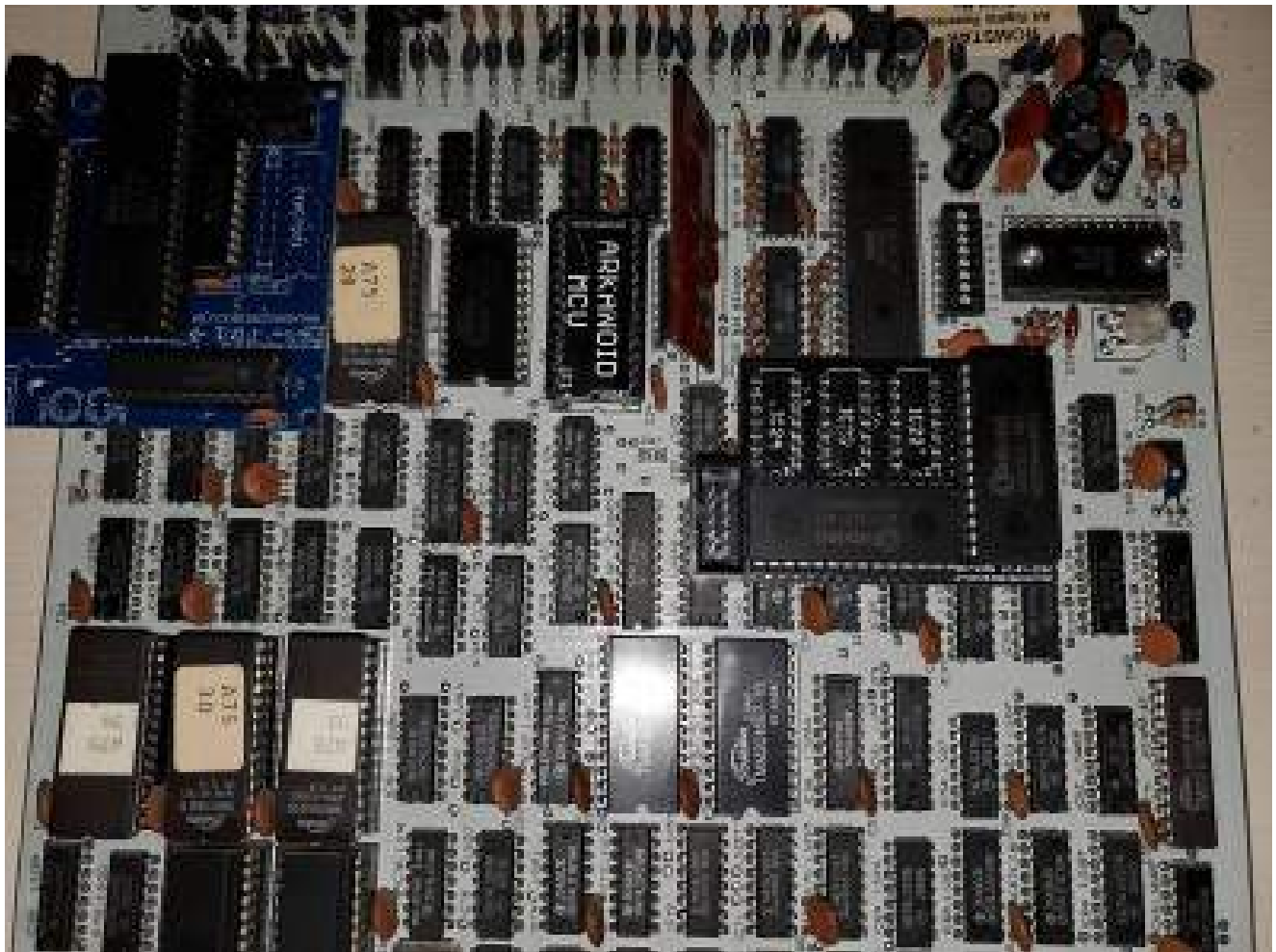


USE THE MARKED ORIGINAL LOCATION

Do not install the MCU replacement card into another similar-looking socket. Check pin alignment and clearance. The supplied guide does not specify a chip-pin-by-chip-pin removal procedure.

Install the Color PROM card

The original installation guide shows the Color PROM card seated in the group of sockets identified on the board overview. Compare the orientation, position, and surrounding chips with your actual PCB before installing.

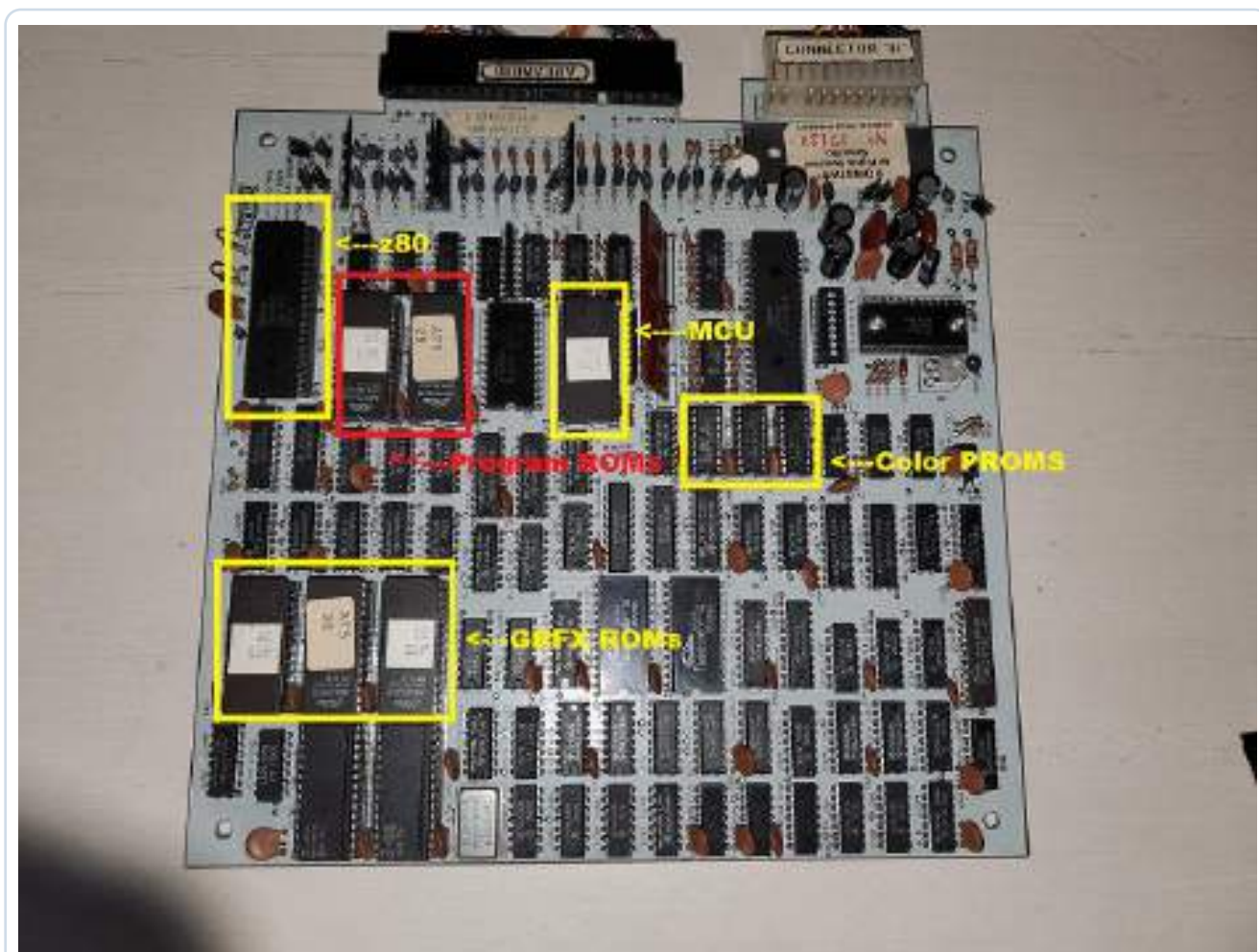


VERIFY THE CONNECTION

Seat the Color PROM card evenly. Connect the supplied ribbon cable between the Main Z80 Daughter Card and the Color PROM Daughter Card. The photos do not show cable orientation or routing; verify both connector orientations before applying power.

Install the graphics ROM card

Install the GRFX ROM Card at the graphics ROM location identified in the annotated reference. The source PDF identifies this step but does not show the replacement graphics card installed or provide its connector orientation.

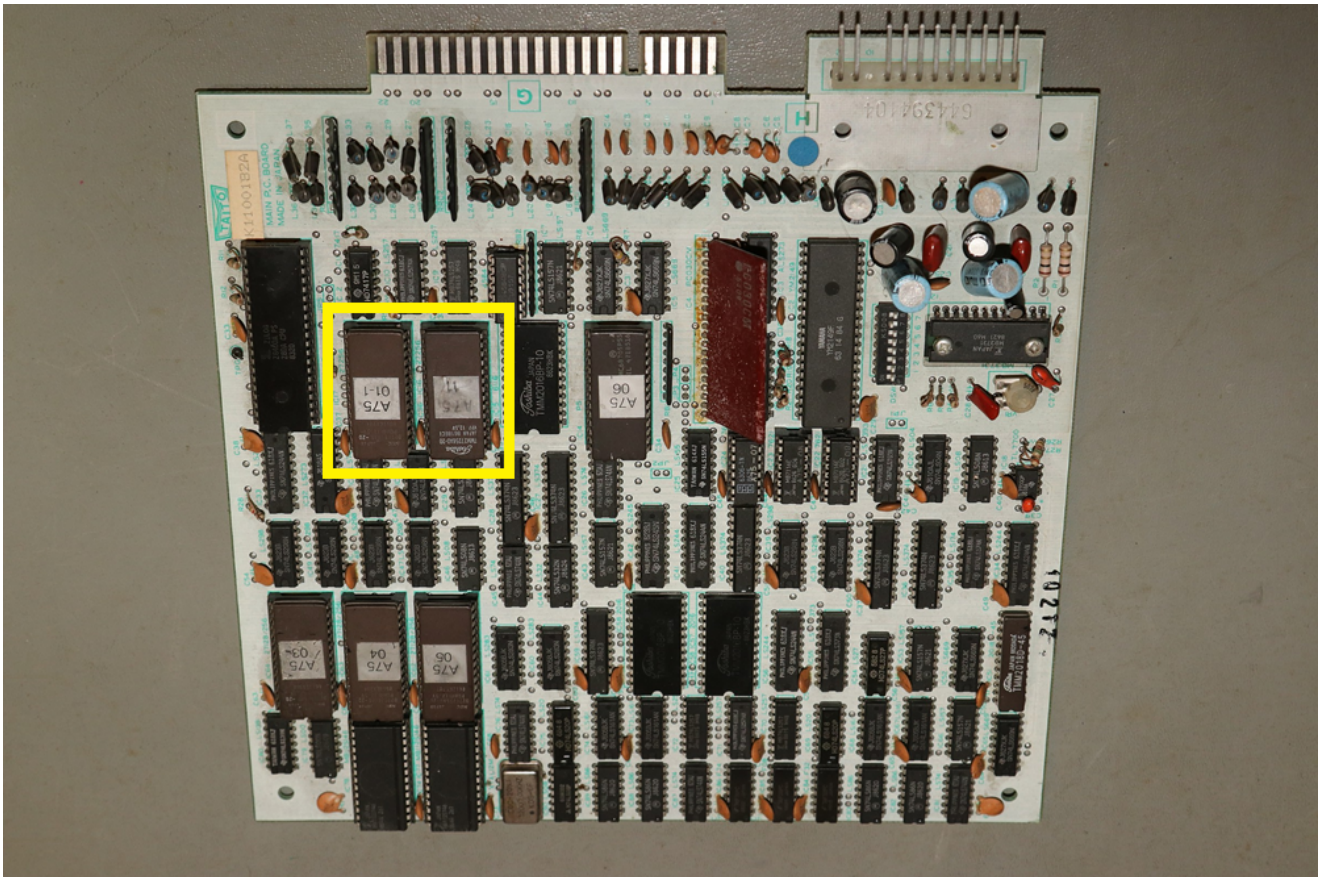


GRAPHICS CARD PHOTO NOT SUPPLIED

The annotated photo shows the original GRFX ROM positions, not the finished replacement card. Compare the supplied card with the identified sockets and use its documented orientation. If socket, Pin 1, or fit is uncertain, stop and contact HighScoreSaves.

Optional program ROM removal

The original Arkanoid Multigame guide describes optional program ROM removal. The supplied photograph marks the two program ROMs inside the yellow box. Removing them is not required for normal kit installation; leave them in place unless using the supported ROM Saver option.



OPTIONAL - LEAVE ROMS IN PLACE UNLESS VERIFIED

Only the two chips enclosed by the yellow box are identified for optional removal. Power off and unplug first, mark each original ROM location and orientation, and store removed ROMs safely. Do not remove any other chips.

Final inspection and first test

BEFORE RESTORING POWER

- Z80 processor correctly seated in the main daughter card; Pin 1 orientation verified.
- Z80 main daughter card and MCU replacement card seated squarely and fully.
- Color PROM card aligned and seated without bent or missed pins.
- GRFX ROM card aligned in the identified ROM sockets; no forced or bent pins.
- Included ribbon cable connects Main Z80 Daughter Card to Color PROM Daughter Card; connection orientation verified.
- All original connectors restored according to pre-installation photographs.
- Any optional ROM removals limited to the verified original program ROM positions.

POWER-ON TEST

After the installation is fully verified, reconnect the PCB to the cabinet. Power on, confirm normal startup, test the paddle controls, switch between Arkanoid and Arkanoid Tournament, and verify Free Play and score saving.

SETTINGS MENU ACCESS

With the cabinet off, hold Player 1 Start while switching the cabinet on. Hold approximately four seconds, then release at the on-screen prompt. Check the verified settings video for menu controls.

IF THE GAME DOES NOT START

Power off immediately. Recheck installed card seating, orientation, all required connections and clearance. Contact HighScoreSaves if it does not start normally.

Wi-Fi-enabled kit setup

OPTIONAL WIRELESS SCORE UPLOADS

Standard and Wi-Fi versions install physically the same way, including the Z80, MCU, Color PROM, GRFX and ribbon cable connections. The Wi-Fi version adds its module. Once the game works, follow the current HighScoreSaves online setup instructions.

WHEN THE KIT IS RUNNING CORRECTLY

- 1 Receive your PK and SK keys**
Use the account setup details emailed by HighScoreSaves.
- 2 Configure kit online settings**
Enter the keys accurately in the arcade kit menu and save the settings.
- 3 Connect to your wireless network**
Follow the current 2.4 GHz Wi-Fi module connection instructions.
- 4 Verify online score upload**
Submit a qualifying score and confirm it on your linked high score page.

KEEP ACCOUNT CREDENTIALS PRIVATE

Your PK and SK keys should only be used with your account. Network setup and troubleshooting instructions may change independently of this PDF.



Open complete Wi-Fi setup instructions

Current module, network, PK/SK, and online leaderboard setup

Helpful resources and support

These resource cards open the current HighScoreSaves pages or verified video. Consult these live references if a specific kit revision differs from the photos in this installation guide.



Arkanoid Multigame kit product page

Features, included parts, and kit version options



Arkanoid hardware compatibility

Check compatible original Taito Arkanoid PCBs



Arkanoid Multigame settings video

Watch the HighScoreSaves settings menu guide



HighScoreSaves kit tips and tricks

Common kit instructions and troubleshooting



Standard and Wi-Fi information

Online kit account, Wi-Fi module, and setup instructions



Installation guides library

Find other kit-specific installation PDFs



Original Arkanoid operator manual

Read the historical arcade game technical reference



Contact HighScoreSaves

Installation questions and technical assistance