1942

FREE PLAY + HIGH SCORE SAVE KIT

ORIGINAL CAPCOM ARCADE HARDWARE

STANDARD + WI-FI EDITIONS

PCB identification • Z80 installation • Settings • Support

OVERVIEW AND PREPARATION

Before you begin

ONE INSTALLATION - TWO KIT VERSIONS

The Standard and Wi-Fi editions use the same Z80 daughter card installation. The Wi-Fi edition has an additional Wi-Fi module on the daughter card; its network setup is covered separately on page 9.

SAFETY FIRST

Power off and unplug the cabinet before handling the PCB.
Protect against static: use ESD-safe handling and a grounded work area.
Stay clear of monitor power circuitry. This guide addresses the game PCB, not the monitor. If unsure, consult a qualified arcade technician.

PREPARATION CHECKLIST

- Confirm the game works: Verify normal operation before installing the kit.
- Document connections: Photograph the board stack, cable orientation, and connectors.
- Disconnect carefully: With power removed, label and remove only the connections needed.
- Use a clean bench: Set the PCB on an ESD-safe, well-lit work surface.
- Check the socket: The 1942 Z80 CPU position must have a compatible 40-pin socket.

WHAT'S INCLUDED

1 × HighScoreSaves Z80 daughter card. A Z80 CPU is required: reuse your compatible original processor or a replacement selected with your order. The Wi-Fi version includes the Wi-Fi module on its daughter card.

Hardware compatibility: Documented compatible original Capcom 1942 PCB; this guide is not for unrelated boards or conversions.

STEP 0 / BOARD IDENTIFICATION

Identify the correct 1942 PCB

Identify the PCB that carries the socketed Z80 processor, as shown in the photograph. Install the HighScoreSaves daughter card at this Z80 location - not at another chip or socket on the two-board assembly.

DO NOT GUESS AT THE CPU LOCATION

If your board does not match these photos, or the CPU is soldered instead of socketed, stop and verify the hardware. A qualified technician can install the required 40-pin socket.

STEP 1 / REMOVE THE CPU

Remove the original Z80 processor

Locate the Z80 chip indicated by the yellow outline. With the board unplugged and fully accessible, carefully remove the processor from its socket. Preserve its position and orientation for the next step.

The original Z80 processor is outlined in yellow in the source photo.

Removal notes

Lift the CPU evenly from both ends with a suitable chip puller. Avoid bending pins or levering against surrounding parts. Do not proceed if the CPU is soldered in place.

STEP 2 / CPU ORIENTATION

Fit the Z80 to the daughter card

CRITICAL: PIN 1 ORIENTATION

Align Pin 1 of the Z80 CPU with Pin 1 of the HighScoreSaves daughter-card socket. Use the marked photograph as your reference before inserting the processor.

Original guide photo shows the Z80 seated in the daughter card, with Pin 1 identified.

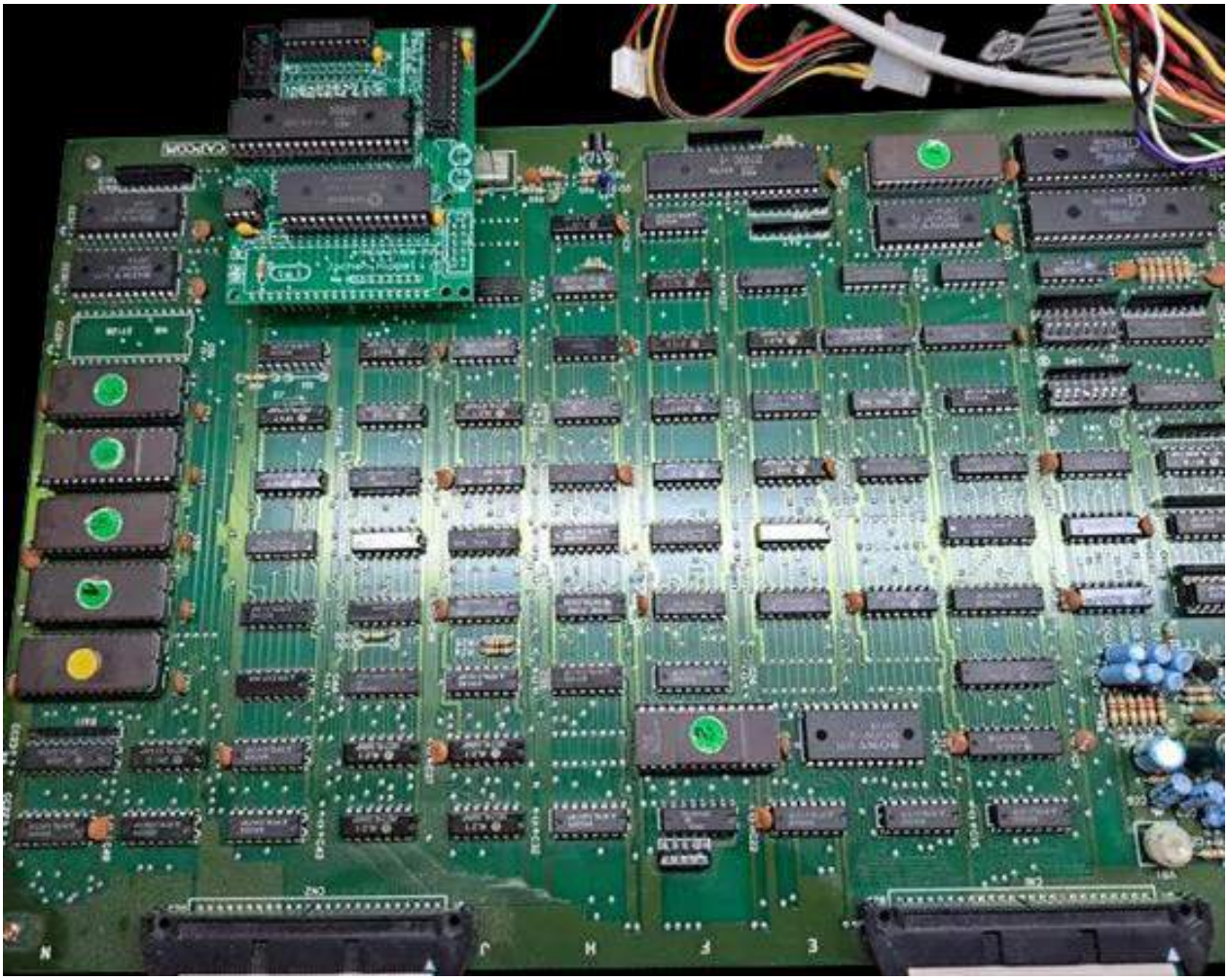
PIN 1 ON THE ORIGINAL 1942 PCB

Inspect all 40 CPU pins before insertion. They must enter the socket cleanly and evenly; never force a bent pin.

STEP 3 / SEAT DAUGHTER CARD

Install the assembled daughter card

With the Z80 installed in the daughter-card socket and oriented correctly, place the assembled card into the original Z80 socket on the 1942 PCB. Align every pin, then press evenly until fully seated.



Original installation photograph: assembled daughter card seated at the Z80 location.

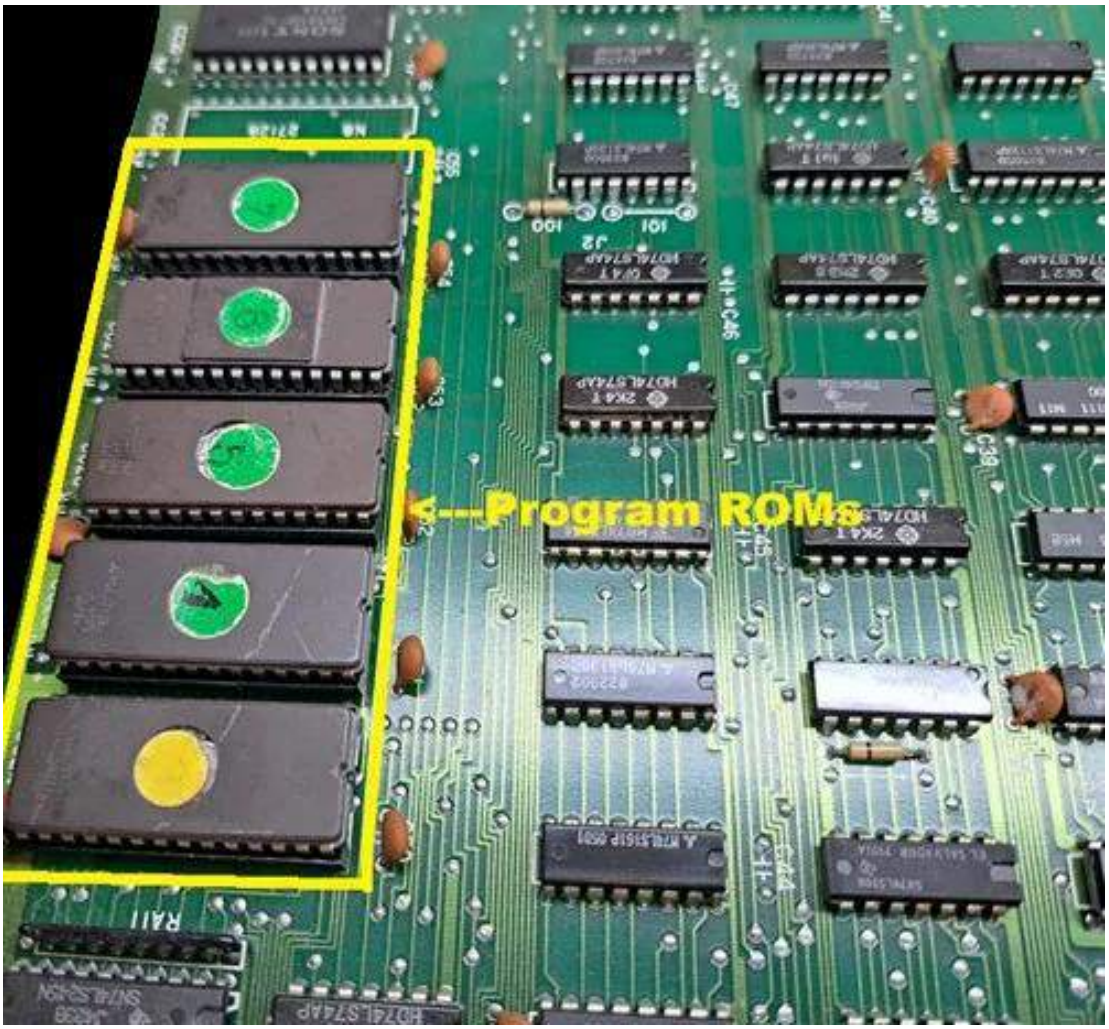
CLEARANCE CHECK

Make sure the underside of the daughter card does not touch or press on components of the original PCB. Check alignment and clearance before restoring cabinet power.

STEP 4 / ROM SAVER

Optional: remove program ROMs

The 1942 kit supports an optional ROM Saver configuration. Removing the original program ROMs is not required for basic kit installation. Leave them installed if you are not using this feature.



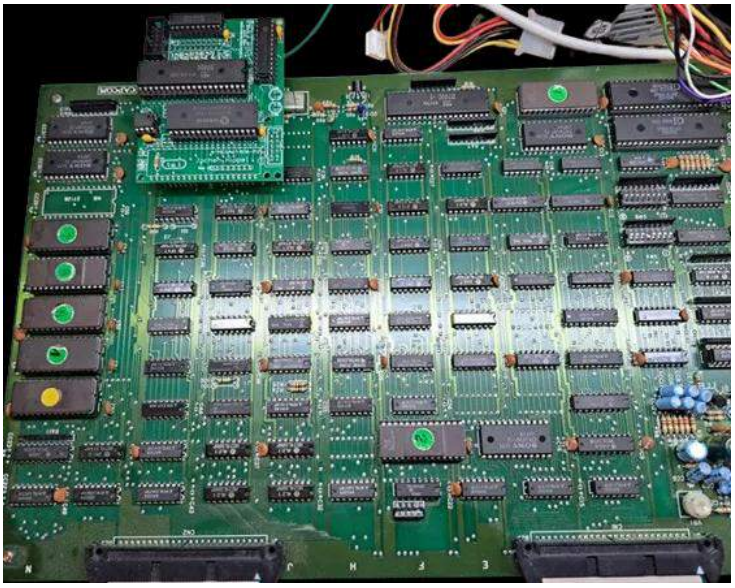
Only the original program ROMs outlined together in yellow are identified for optional removal.

REMOVE ONLY THE IDENTIFIED ROMs

If you choose the ROM Saver option, power off and unplug the game, and remove only the five original program ROMs shown in the yellow outline. Mark each ROM and store it safely. Never remove other chips.

STEP 5 / VERIFY INSTALLATION

Final inspection and first test



Completed installation shown with the original program ROMs present.

BEFORE POWERING ON

- Z80 installed on daughter card with correct Pin 1 orientation.
- Daughter card seated in the original Z80 socket; no bent or missed pins.
- No components contacting the underside of the daughter card.
- All PCB connectors restored in their documented orientation.

POWER-ON TEST

Reinstall the board assembly and reconnect cables using your reference photos. Power on the cabinet and confirm that the game starts normally. Test gameplay, Free Play settings, and saving a qualifying score before closing the cabinet.

HOW TO ENTER THE SETTINGS MENU

With the cabinet off, hold Player 1 Start while powering on. Hold for approximately 4 seconds; release when prompted on screen. Use the kit menu to review settings. The menu has an option to change how this access method behaves.

IF THE GAME DOES NOT START

Turn the cabinet off immediately. Recheck Z80 and daughter-card orientation, pin alignment, clearance, and all connectors. Contact HighScoreSaves if the issue persists.

FOR WI-FI EDITIONS ONLY

Wi-Fi-enabled kit setup

SAME PHYSICAL INSTALLATION

The Wi-Fi kit uses the same daughter card and the same Z80 socket installation as the Standard kit. It additionally carries a Wi-Fi module. Do not treat the module as a separate installation step.

AFTER THE ARCADE KIT IS WORKING

1. **Obtain your PK and SK account keys**
   Follow the setup emails and instructions sent by HighScoreSaves for your Wi-Fi leaderboard account.

2. **Enter online settings in the kit menu**
   Enter the supplied PK and SK keys exactly; enable online scoring as instructed and save the menu settings.

3. **Connect the module to Wi-Fi**
   Use the kit module's temporary Wi-Fi network and setup page to select a compatible 2.4 GHz home network.

4. **Test an online score**
   After Wi-Fi setup, play and submit a qualifying score; check the linked online leaderboard page.

KEEP YOUR PK / SK KEYS PRIVATE

Wi-Fi configuration is version-specific. Use the current HighScoreSaves online setup guide for full connection steps and error messages; those procedures can change independently of this printed installation guide.

↗ **Open complete Wi-Fi setup instructions**
Current Wi-Fi setup guide, network setup, PK/SK info, and online score instructions

LINKS / REFERENCE

Helpful resources and support

These links are clickable in the PDF. For the most current documentation, setup instructions, and kit-specific information, use the live HighScoreSaves pages below.

1942 kit product page
Kit versions, supported features, and parts options

1942 PCB compatibility
Confirm original Capcom board and Z80 requirements

1942 settings-menu video
Watch the verified settings video on YouTube

HighScoreSaves kit tips
Menu access, score features, backups, and troubleshooting

Wi-Fi setup and Standard comparison
Current Wi-Fi instructions, PK/SK keys, network setup

Installation guide library
Find PDF guides for other HighScoreSaves kits

Contact HighScoreSaves
Support requests and contact information

HighScoreSaves.com • Original arcade PCB upgrades since 2015