XEVIOUS

FREE PLAY + HIGH SCORE SAVE KIT

ORIGINAL XEVIOUS ARCADE HARDWARE



STANDARD + WI-FI EDITIONS

PCB identification • Z80 installation • DIP switches • Settings • Support

OVERVIEW AND PREPARATION

Before you begin

ONE INSTALLATION - TWO KIT VERSIONS

Standard and Wi-Fi editions use the same socketed Z80 daughtercard installation. The Wi-Fi version adds online score support; its setup is covered on page 9.

SAFETY FIRST

Power off and unplug the cabinet before touching the PCB. Handle socketed parts carefully, use static-safe precautions, and work on a clean, well-lit, grounded surface.

PREPARATION CHECKLIST

- **Confirm the game works** before starting the installation.
- **Disconnect cabinet power** and remove the PCB carefully.
- **Label disconnected cables** and photograph connector orientation.
- **Prepare a Z80 processor** to transfer, or a compatible replacement.
- **Verify the Z80 is socketed:** a soldered CPU requires a suitable 40-pin socket installed by a qualified technician.

WHAT'S INCLUDED

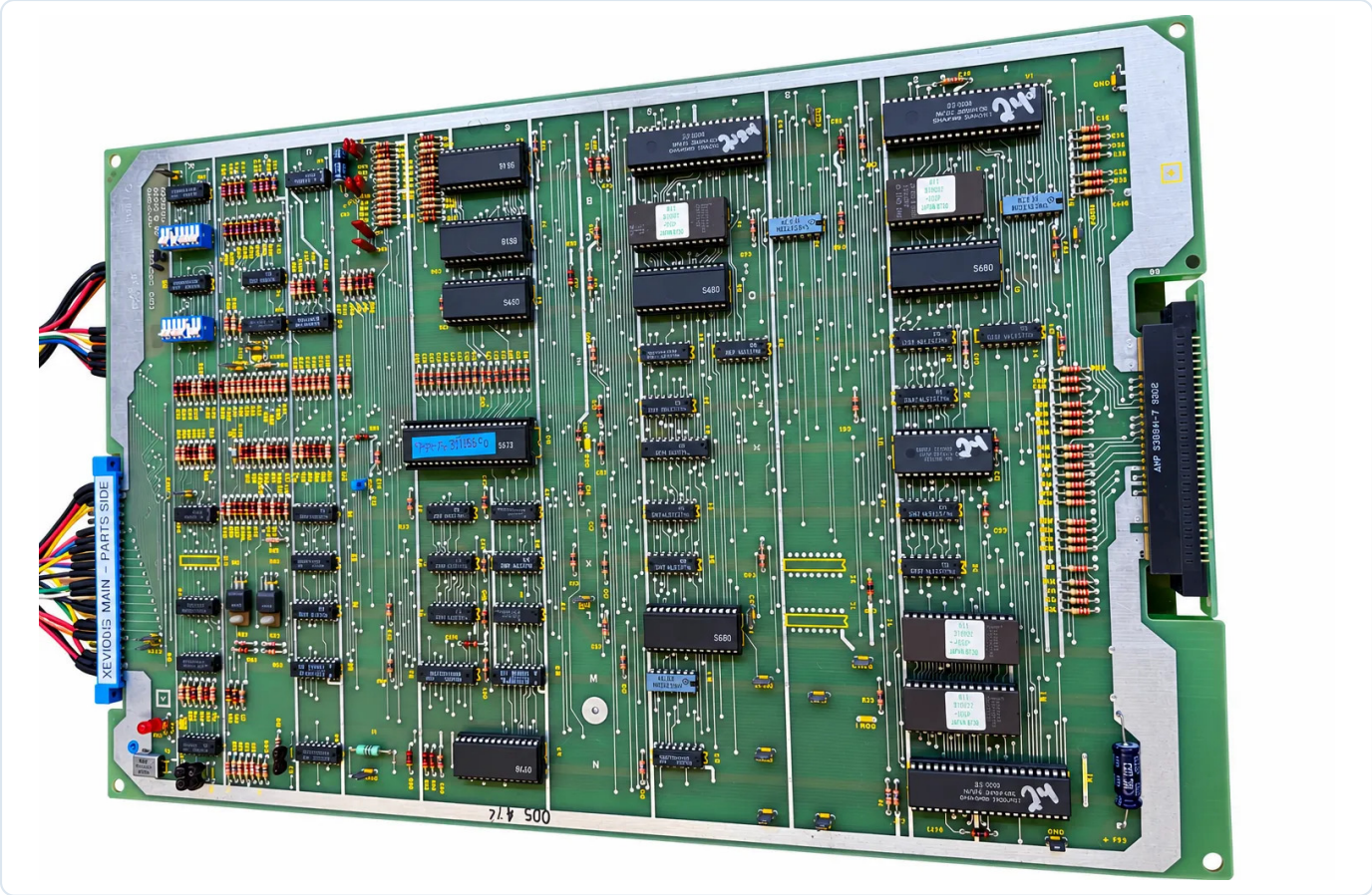
1 × HighScoreSaves Xevious Z80 daughtercard. **A compatible Z80 processor is also required:** transfer the original CPU or use an ordered processor option.

Do not power the board until the Z80, daughtercard, and Pin 1 align correctly.

STEP 0 / BOARD IDENTIFICATION

Identify the original Xevious PCB

Identify the Xevious arcade PCB shown here. Install the HighScoreSaves daughtercard only at the **identified Z80 processor location** on this board. Do not substitute a different chip or socket.



Xevious PCB overview — identify the original board before removing components.

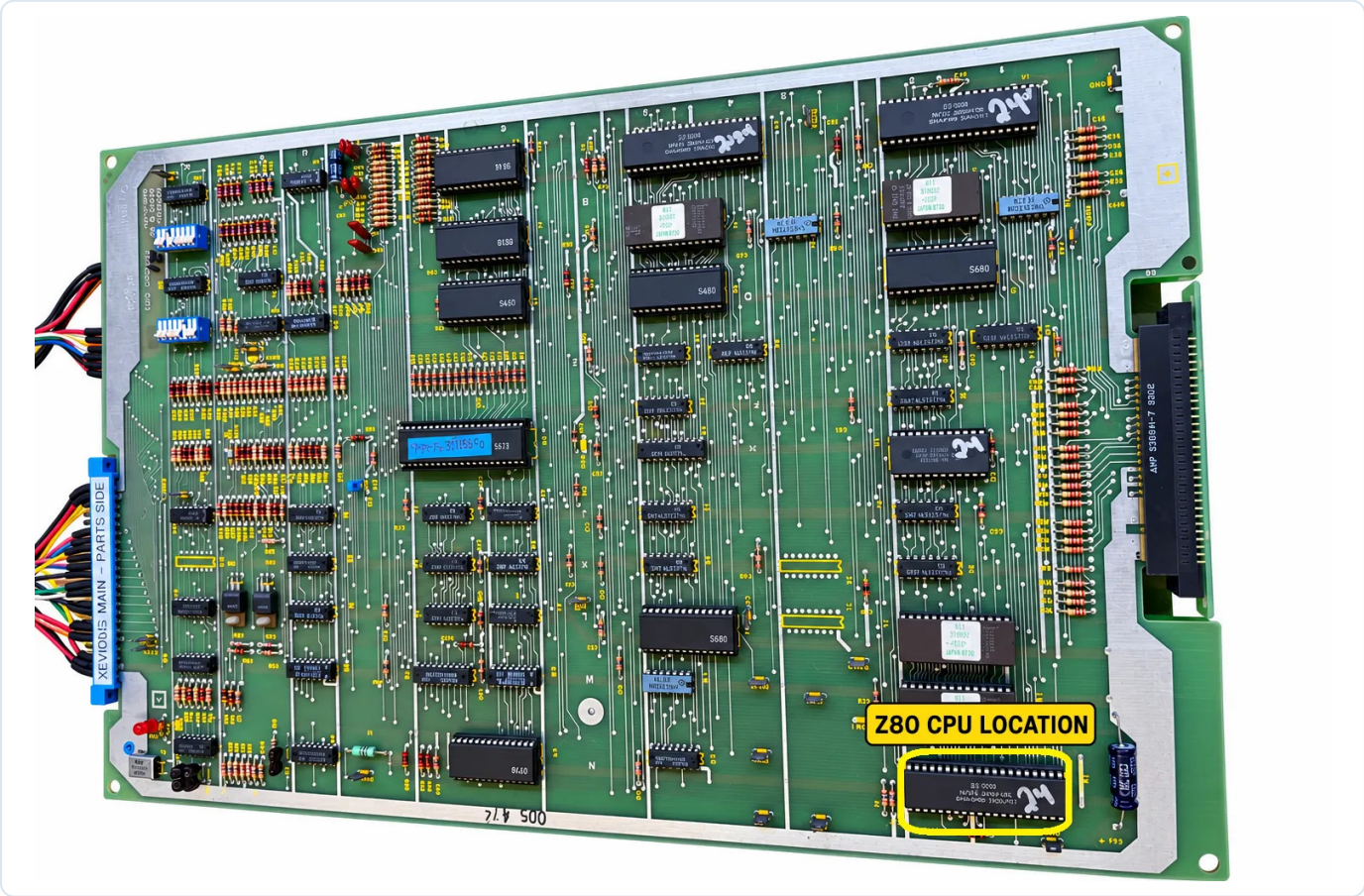
VERIFY ORIGINAL HARDWARE

Power must be off before checking the board. If the Z80 location is not socketed or the hardware does not match the pictured layout, stop and verify compatibility before continuing.

STEP 1 / REMOVE THE CPU

Remove the original Z80 processor

Find the Z80 at **location 1/2P** on the Xevious CPU PCB, highlighted in yellow. With the cabinet unplugged, gently lift the socketed processor straight out without bending its pins.



Yellow outline marks the Z80 processor on the pictured Xevious PCB.

REMOVE THE Z80 EVENLY

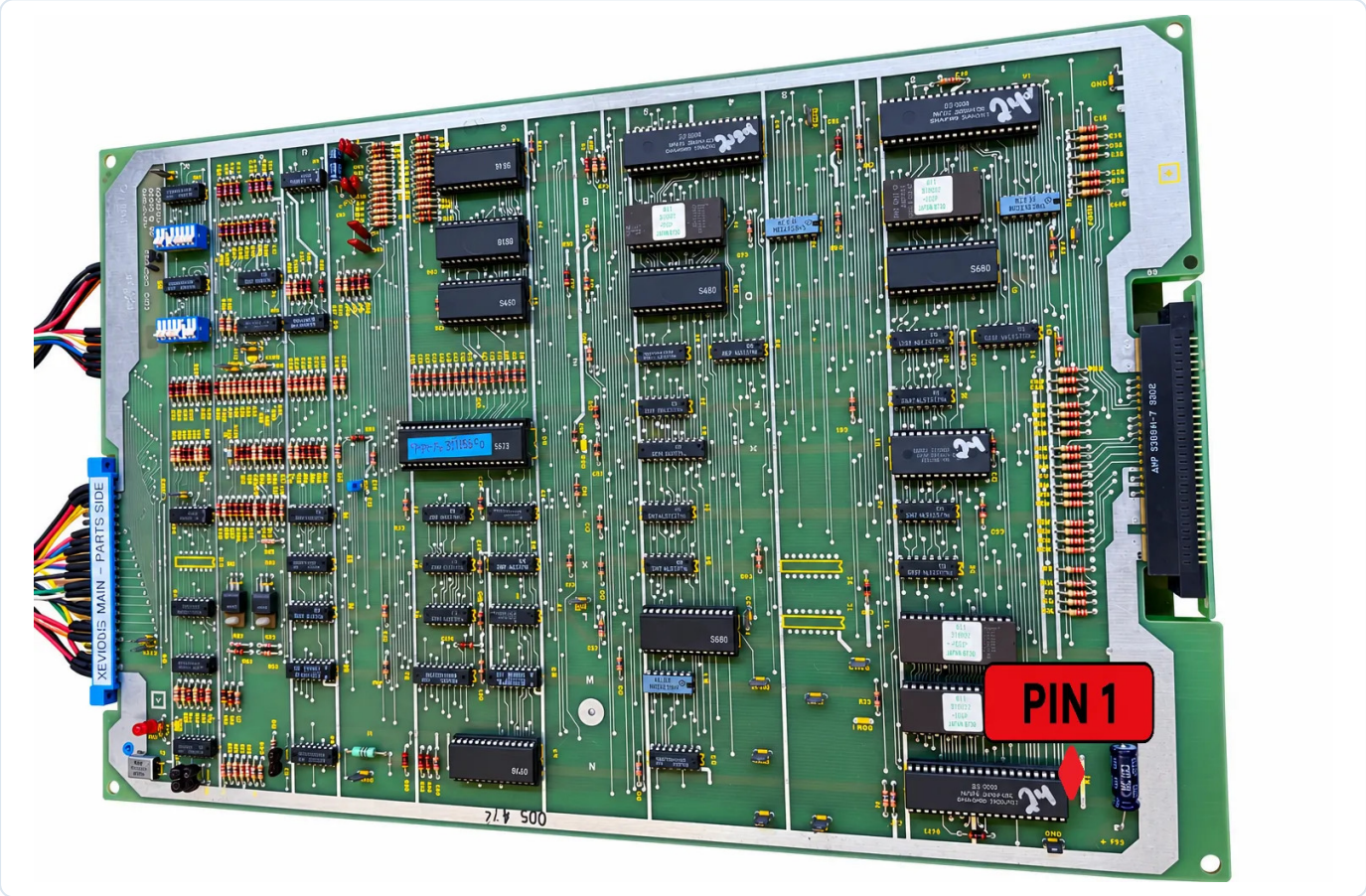
Use an IC puller or gently alternate lifting each end a little at a time. Keep track of the chip notch and **Pin 1**. Do not force or pry against nearby traces or components.

STEP 2 / CPU ORIENTATION

Fit the Z80 to the daughtercard

CRITICAL: PIN 1 ORIENTATION

Install the original Z80 into the HighScoreSaves daughtercard socket with **CPU Pin 1 aligned to daughtercard socket Pin 1.** The red marker in the photo identifies the original PCB Pin 1 direction.



The red Pin 1 marker indicates the CPU orientation on the Xevious PCB.

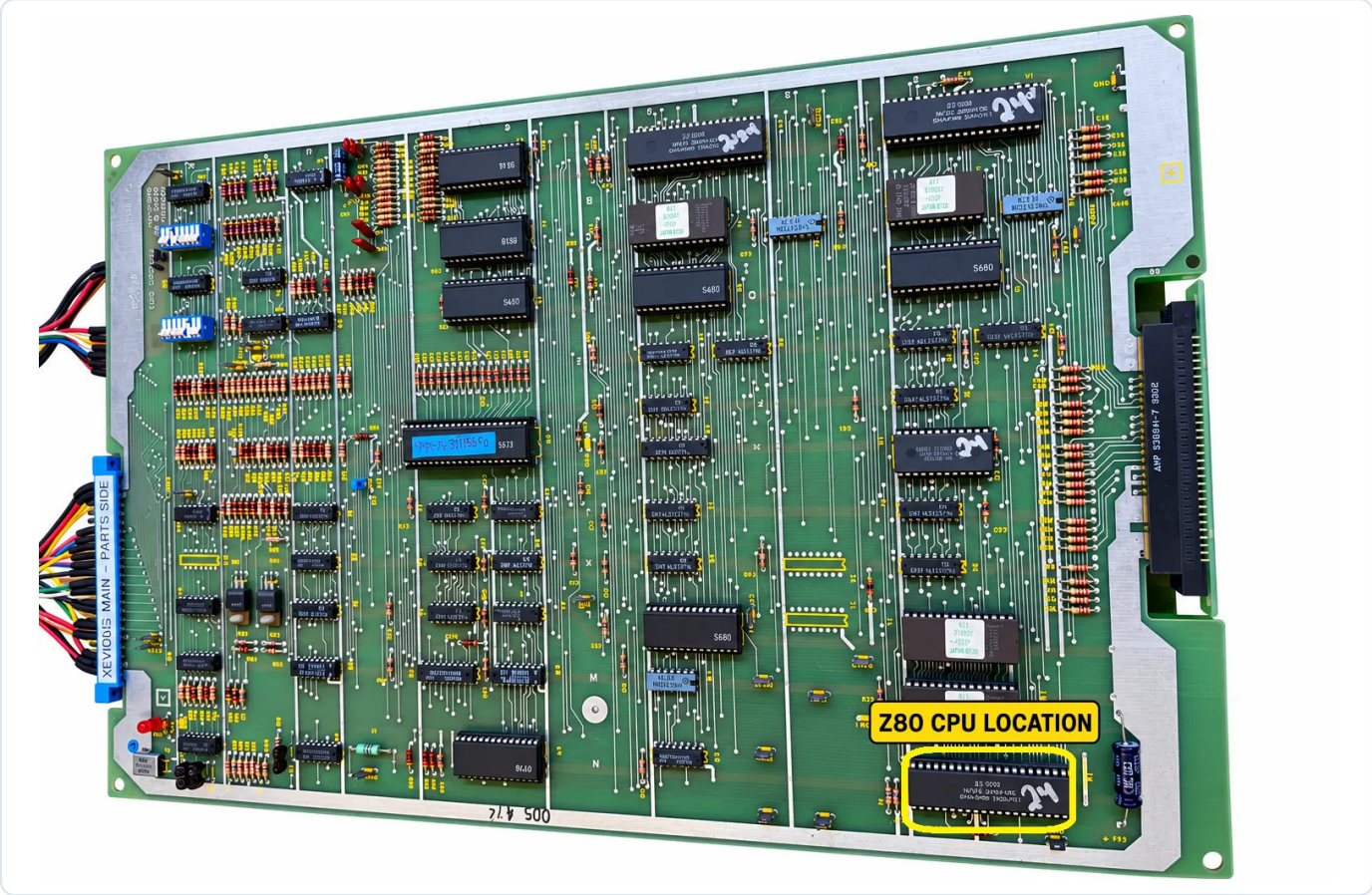
Inspect all 40 pins before inserting the processor. Press it into the daughtercard socket evenly, without bent, offset, or missed pins. Align the notch and the daughtercard Pin 1 marking before proceeding.

STOP IF THE PIN 1 MARKING OR SOCKET ALIGNMENT IS UNCLEAR.

STEP 3 / SEAT DAUGHTER CARD

Install the assembled daughtercard

After the Z80 has been fully inserted into its daughtercard socket, align the assembled HighScoreSaves daughtercard with the **original Xevious Z80 socket at 1/2P**. Check all rows of pins and seat the card evenly.



CPU location on the original PCB; install the assembled card at this socket.

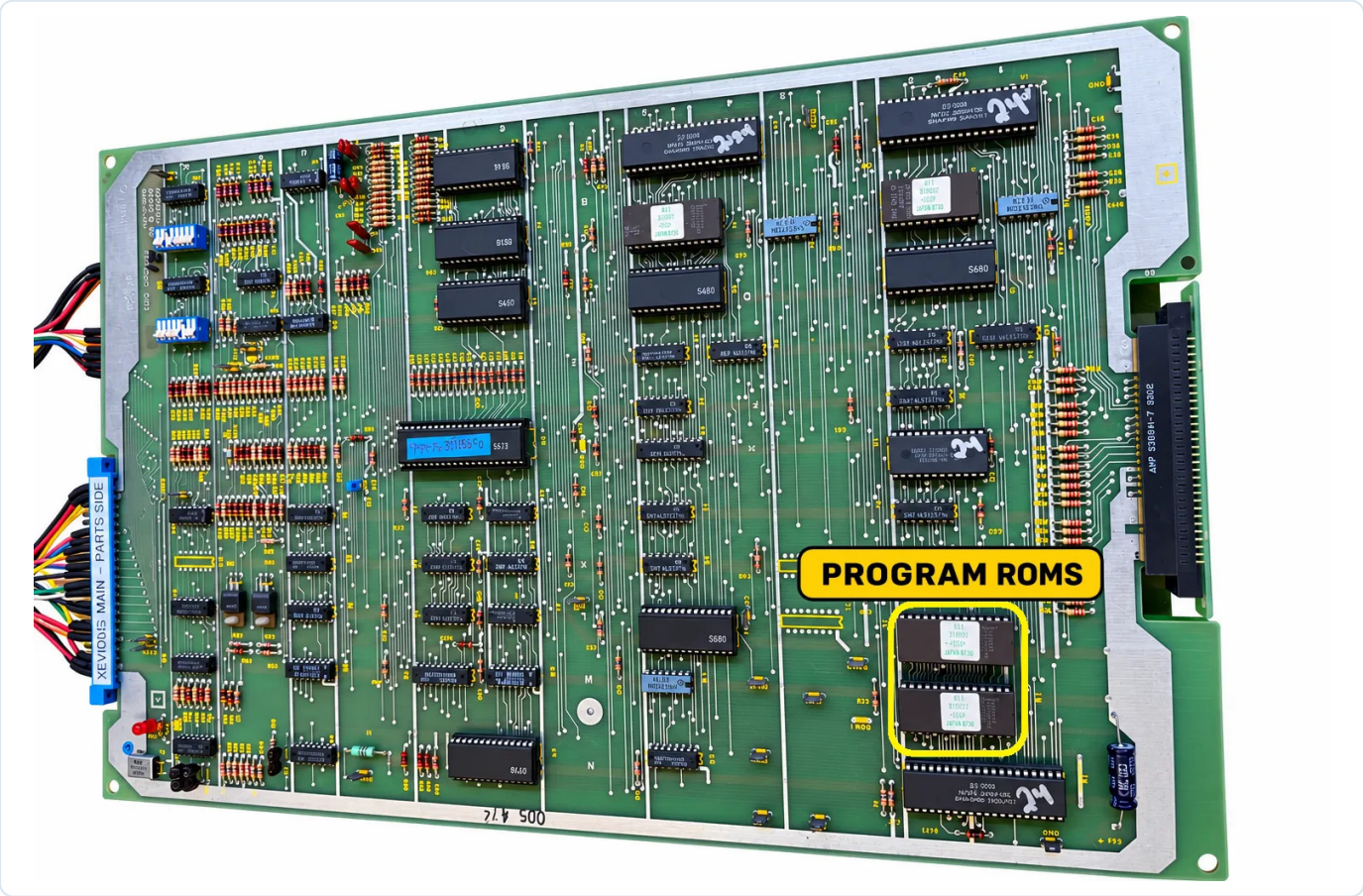
CHECK PIN ALIGNMENT AND CLEARANCE

Confirm the daughtercard contacts the correct socket and no pin is missed. Nothing beneath the daughtercard may touch its underside. If nearby test points or components obstruct the card, stop and correct the clearance before applying power.

STEP 4 / ROM SAVER

Optional: remove program ROMs

The Xevious kit supports optional ROM Saver operation. The highlighted program ROMs may be removed **only if using this option**. Removing them is not required for a basic daughtercard installation.



Yellow annotation identifies the program ROMs designated for optional removal.

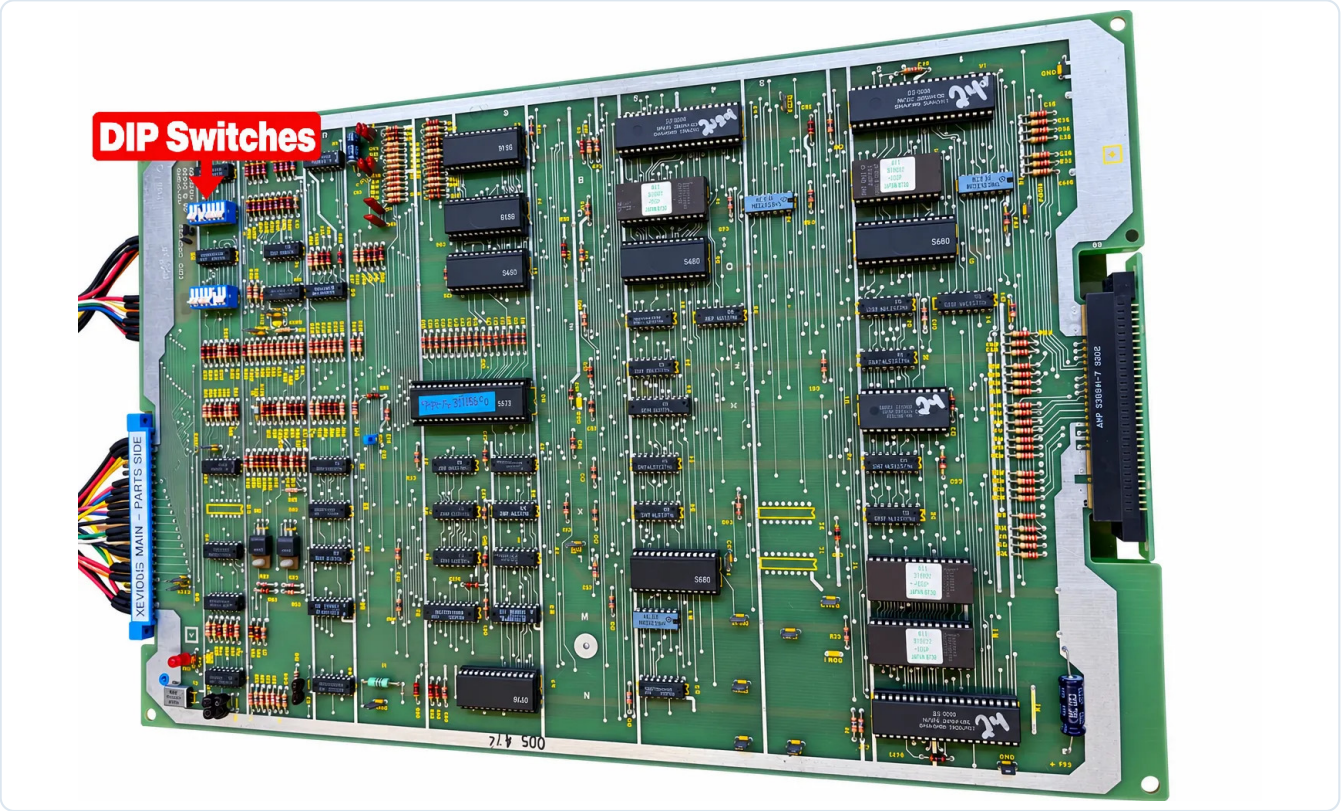
REMOVE ONLY THE IDENTIFIED ROMS

With power off and unplugged, carefully lift only the highlighted program ROMs if choosing ROM Saver. Store the removed chips safely and label their positions. Leave all other ROMs and components installed.

STEP 5 / VERIFY INSTALLATION

Set DIP switches and verify installation

Before powering on, check the DIP switches identified in the photograph and verify that the Xevious kit and Z80 are correctly seated.



DSWA DIP-switch bank is marked in red in the photograph.

XEVIOUS DIP SWITCH SETTING

DIP switch #1 on DSWA must be set to OFF to disable the RAM test and test menu. If set to ON, Xevious will perform a RAM test and remain in the test menu instead of starting normally.

FINAL CHECK BEFORE POWERING ON

- **Pin 1:** Z80 and daughtercard oriented correctly; all pins aligned.
- **Installation:** no underside contact; all PCB connectors restored.
- **Startup:** DSWA switch #1 OFF; test Xevious normal boot.

FOR WI-FI EDITIONS ONLY

Wi-Fi-enabled kit setup

SAME PHYSICAL INSTALLATION

The Wi-Fi edition uses the same Z80 socket and daughtercard installation as the Standard kit. The additional Wi-Fi module is part of the Wi-Fi kit; it is not a separate PCB installation step.

AFTER THE ARCADE KIT IS WORKING

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

2. **Enter online settings in the kit menu**
   Power off, hold Player 1 Start during power-on, and release when prompted; enter and save the supplied keys.

3. **Connect the Wi-Fi module to a 2.4 GHz network**
   Follow the module setup instructions to select your compatible home network and enter its password.

4. **Test an online score**
   Play a supported game, save a qualifying score, and confirm it appears on your leaderboard page.

KEEP YOUR PK / SK KEYS PRIVATE

PK and SK credentials are account-specific. Enter them exactly as provided. Do not share these keys in public photographs or support discussions.

1. **Open complete Wi-Fi setup instructions**
   Connect your 2.4 GHz network, enter keys, and test online scores

LINKS / REFERENCE

Helpful resources and support

These clickable links provide current Xevious kit information, configuration help, Wi-Fi setup, and support.

1. **Xevious kit product page**
   Kit versions, supported features, and processor options

2. **Xevious PCB compatibility**
   Confirm original arcade PCB and socket requirements

3. **HighScoreSaves kit tips**
   Menu access, score backup, settings and troubleshooting

4. **Wi-Fi setup and Standard comparison**
   Current Wi-Fi setup, PK/SK keys, and network notes

5. **Global arcade high scores**
   Visit the online scoreboard and global leaderboards

6. **Installation guide library**
   Browse installation documentation for other arcade kits

7. **Contact HighScoreSaves**
   Questions: sales@highscoresaves.com

HighScoreSaves.com • Original arcade PCB upgrades since 2015