

## Donkey Kong Remix Installation Instructions

Locate the Z80A-CPU chip on the Donkey Kong PCB. The Z80 is one of the 3 large chips on the top board of the TKG4 board set. The Z80 socket has 7C marked in the silk screening next to it. Take note of the chip orientation, and with the power turned off carefully pry the Z80 out of its socket using a micro screwdriver or other flat implement. Carefully lift each end of the chip bit by bit to remove it without bending its pins.

**It has been discovered that the DK Remix board is not compatible with one model of Z80 chip. If your TKG4 board has a Z80 chip with the marking 'NEC D780C' written on it, the Remix board will not function correctly. We are still trying to find a solution for this issue. The only option right now is to find another Z80A chip (Zilog Z80A or SHARP LH0080A are known to work) and replace the NEC Z80C chip with one of those chips.**

Once the Z80 has been removed, carefully insert it into the empty socket on the DK Remix PCB. Take note to place the chip in the correct orientation. There is a circular indentation on the chip to mark which side Pin 1 is on. On the DK Remix PCB there is a round mark in the silk screening under the socket to indicate which side Pin 1 is on and a printed asterisk \* beside Pin 1 of the socket.

After the Z80 CPU has been inserted into the DK Remix PCB, the board can be plugged into the empty Z80 socket on the TKG4 Donkey Kong board. Make sure to orient the DK Remix PCB so that Pin 1 lines up with Pin 1 on the TKG4 board. The chips on the TKG4 board and the DK Remix board will have their chips, and writing on the chips oriented in the same direction.

Align the header pins underneath the DK Remix PCB with the Z80 socket on the TKG4 board and carefully begin pressing the board down into the empty socket until it makes a solid connection. Make sure that each pin underneath the DK Remix PCB is going to a Z80 socket pin and that none of the pins are bending or sticking outside of the Z80 socket.

**Installation is now complete and the game is ready to be powered up.**

The first time the hardware is powered up, the DK Remix board should boot straight into the Service Menu. If the game booted without first going into the Service Menu, you can enter the Service Menu by holding down the Service Switch for one second *while* power is being turned on. This may require two people, one to turn on the power and one to hold the Service Switch down.

The default hardware and game settings can be chosen in the menu. Once the settings are chosen, selecting "Save And Exit" will save the settings and the selected default game will start up. On subsequent power-ups, the selected default game will boot automatically without first going into the Service Menu.