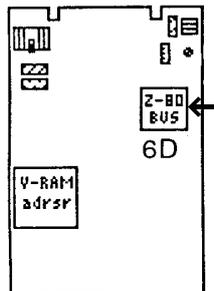


Congratulations on your purchase of a Pac-Man speedup upgrade. This chip upgrade will make Pac-man or Ms. Pac-man move at twice the normal speed, while the ghosts still move at normal speed, giving you hours of fun and new challenges on either game. The same chip works with either Pac-man or Ms. Pac-man.

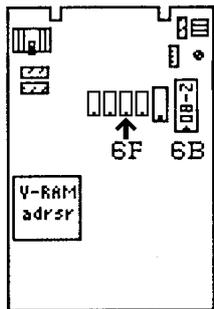
Installation instructions for the Pac-man speedup chip

Please refer to the picture of the Pac-man/Ms Pac-man main board on page 2, to help you locate where the speedup chip is to be installed and the correct orientation of the chip.

- 1) With the power turned off and the game unplugged from the wall, remove the card edge connector, noting the orientation. *Hint: A good way to do this is to label the side of the connector that you can see as "Parts Side".*
- 2) Remove the Pac-man printed circuit board (pcb).
- 3) Remove the Z-80 sync Bus Controller card at location 6D if present. **Note the orientation; it will need to be reinstalled the same way after the upgrade chip has been installed.** *Hint: you may have to cut a plastic tie that holds the card in place.*



- 4) Remove the chip from location 6F, noting the notch at the top of the chip that indicates pin 1. *Hint: a small screwdriver may be used to gently lift the chip from the socket. Start at one end of the chip and lift the chip a little, then do the same from the other side. Repeat until the chip is out of the socket. Take care not to damage the socket or the chip you are removing. Save the old chip, you may want to reinstall it someday.*

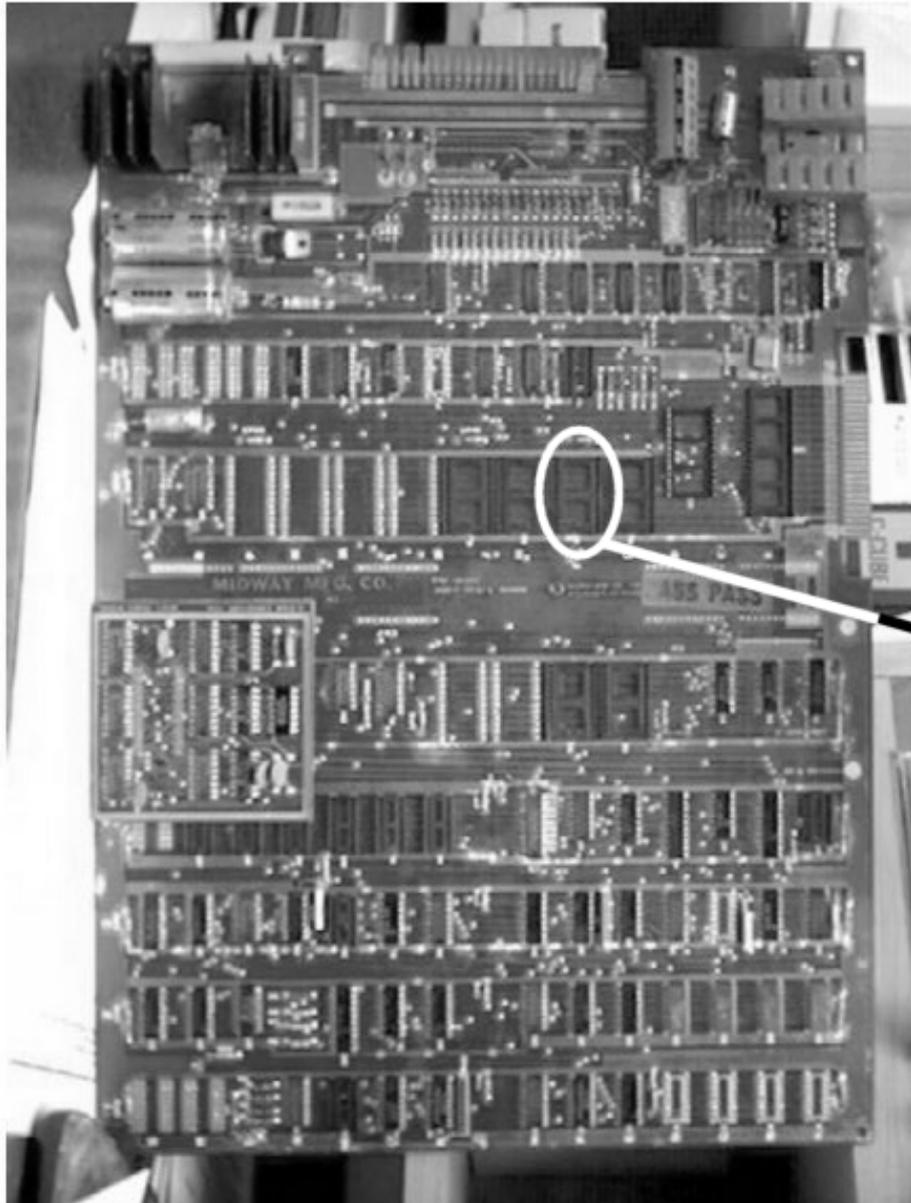


- 5) Install the speedup chip in location 6F, **double check the orientation of pin 1 as shown in the picture on page 2.** Make sure the chip is firmly seated in the socket and that all the pins are in the socket.
- 6) Re-install the Z-80 sync Bus Controller at location 6D and **double check the orientation.** *HINT: The notches on all the chips face the same way as all other chips on the board.*
- 7) Install the printed circuit board back in the game.
- 8) Connect the card edge connector.
- 9) Double-check all your work.
- 10) Fire it up and play. ☺

If you have any problems following these directions, please feel free to e-mail sales@mikesarcade.com for more assistance, or visit use on the Web at <http://www.mikesarcade.com>.

Card Edge
Connector

Speedup Chip Location 6F



Note the notch in the chip,
This indicates pin 1 and must
be installed oriented as shown.