FUSION FORTY
INSTALLATION GUIDE

YOU SHOULD HAVE IN THIS PACKAGE THE FOLLOWING ITEMS :

- **A FUSION-FORTY ACCELERATOR**
- **A WARRANTY CARD**
- **A DISKETTE:**
  - **THE DISKETTE CONTAINS :**
    - **-THE MANUAL**
    - **-THE README FILES**
    - **-INSTALLATION SOFTWARE FOR THE CACHES**
    - **-YOUR SERIAL # AND SOFTWARE REVISION (ON THE LABEL)**

WARNING:

MAKE SURE THAT YOUR AMIGA IS TURNED OFF BEFORE YOU INSTALL YOUR FUSION-FORTY. RCS WILL NOT BE RESPONSIBLE FOR ANY DAMAGES (PHYSICALLY; EITHER TO MACHINE OR HUMAN OR SURROUNDING ENVIRONMENT OR MENTALLY) CAUSED BY AN ACCIDENTAL SHORT DUE TO INSTALLATION WITH THE POWER ON. THIS ACTION WILL ALSO VOID THE WARRANTY. BE CAREFULL WITH THE INSTALLATION. TURN OFF THE POWER TO YOUR AMIGA.

NEVER OPEN A COMPUTER WHILE THE POWER IS CONNECTED. TURN OFF OR UNPLUG YOUR COMPUTER.

DISCLAIMER

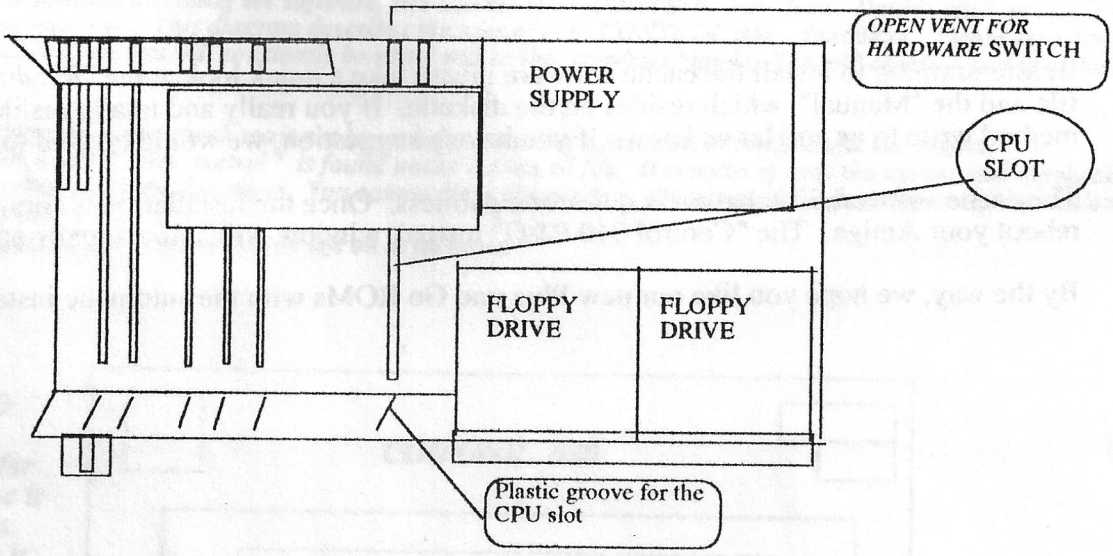
With this document(installation guide and the manual on diskette), RCS MANAGEMENT makes no warranties or guaranties, either expressed or implied, with respect to the products described, their functional ability, or availability. Further, RCS MANAGEMENT assumes no responsibility or liability for statements or representations made by itself or by third party vendors or in the publications reproduced herin.

In no event will RCS MANAGEMENT, it's affiliated companies, nor it's employees, be liable for any damages, direct, indirect, incidental or consequential, resulting from any defect in the product, even if RCS MANAGEMENT has been advised of the possibility of such damages.

This disclaimer shall supersede any verbal or written statement to the contrary.

ILLUSTRATED VIEW OF THE COMMODORE AMIGA 2000 PC FOR THE FUSION-FORTY HARDWARE INSTALLATION

see page 8-4 of your "INTRODUCTION TO THE COMMODORE AMIGA 2000 "

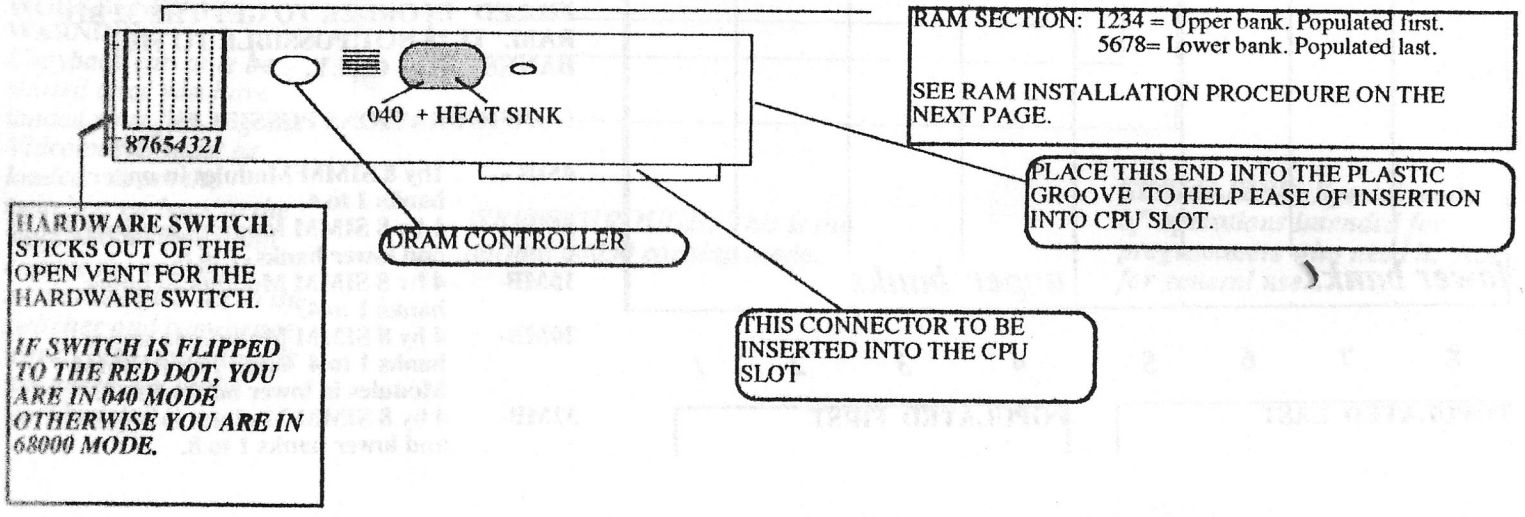


FUSION-FORTY HARDWARE INSTALLATION:

- **Turn off your Amiga.** Remove screws and uncover the Amiga, being careful not to snag any wires.
- Arrange your cables and wires so that it does not interfere with the insertion of the FUSION-FORTY into the CPU slot.
- Flip the hardware switch away from the red dot to prepare the Fusion-Forty for software installation. Tilt the FUSION-FORTY so that the hardware switch is positioned in the vent first and then the other end into the plastic groove.
- Push the board down until the connector sits on top of the CPU slot. Visually verify that the connector is properly in the CPU slot. Now, press down with a rocking motion until you feel the connector enter the CPU slot. Continue pushing until the board can go no further.
- Turn on your Amiga. If boot up does not occur (empty screen), turn off your Amiga.
- Re-insert the Fusion-Forty connector into the CPU slot. Press down until the Fusion-Forty cannot go any further.
  note: If part of the connector is sitting on the frame of the CPU slot or is partially inserted, the Fusion-Forty will not boot.
- Once in Workbench, get the cache software installation diskette. Turn page for software installation procedure.

note:

Your Fusion-Forty Manual is on the software installation diskette.
Each Fusion-Forty unit is quality controlled tested for 2 hours using an automatic test routine developed by RCS for the VideoToaster. All the wipes are automatically tested as is an hour long intensive lightwave rendering. If you have any questions or concerns please call our technical support staff at (514) 871-4924 or



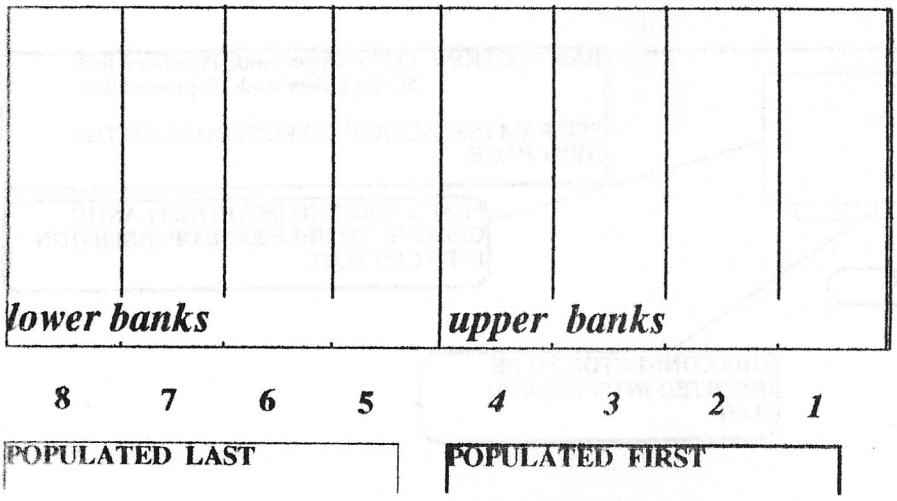
CACHES SOFTWARE INSTALLATION

Before jumping to install the cache software please take a quick look at the "Readme" file and the "Manual" which resides on the diskette. If you really and totally dislike this method write to us and let us know. If you have a suggestion, we would be glad to hear it.

The cache software installation is quick and painless. Once the installation is completed, reboot your Amiga. The "Control 040 P&G" instpak window will automatically appear.

By the way, we hope you like our new Plug and Go ROMs with the automatic installation.

RAM INSTALLATION AND POSSIBLE CONFUGURATION



ALL FOUR UPPER BANK SLOT MUST BE FILLED IN ORDER TO GET THE 32 BIT RAM. IT IS NOT POSSIBLE TO FILL BANKS 1 TO 3 ONLY.

CONFIGURATIONS POSSIBLE:

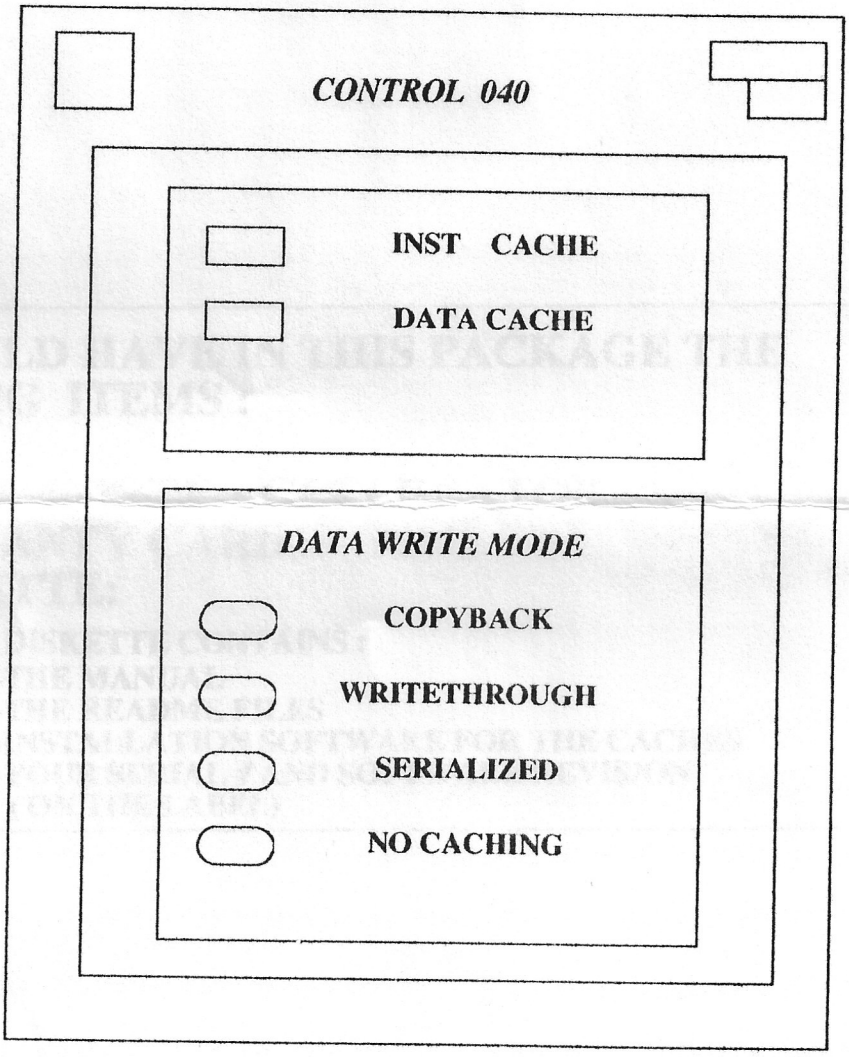
4MB -	**1by 8 SIMM Modules in upper banks 1 to 4.**
8MB -	**1 by 8 SIMM Modules in upper and lower banks 1 to 8.**
16MB-	**4 by 8 SIMM Modules in upper banks 1 to 4.**
20MB-	**4 by 8 SIMM Modules in upper banks 1 to 4 and 1 by 8 SIMM Modules in lower banks 5 to 8.**
32MB-	**4 by 8 SIMM Modules in upper and lower banks 1 to 8.**

THE CONTROL 040 DIAGRAM

Once the Fusion-Forty has finished installing the software, you will see the CONTROL 040 icon. Double click on this icon and the CONTROL 040 diagram comes up. This diagram describes the uses of the CONTROL 040 functions. Please experiment with the arious functions. The function that you will constantly be using will be the 'copyback' mode. You will obtain a sort of turbo boost to your ccelerator.

NOTE: Under workbench 1.3, copyback must not be on before starting a program or it will crash the system. The workbench 1.3 ' 040 control ' is found under 1.3 install file. It consists of only the caches and copyback. Care must be taken when using the functions. You cannot close the window. Once closed the functions cease operations. This is not the case under workbench 2.0.
Under workbench 2.0, copyback can be left on at all times.

INST CACHE AND DATA CACHE. Automatically opens for the users. It's purpose is to speed up operations. note: when copyback is on the cache's (inst and data) will be shown as not on. They are on but we have removed the option to operate then in order to prevent crashes.



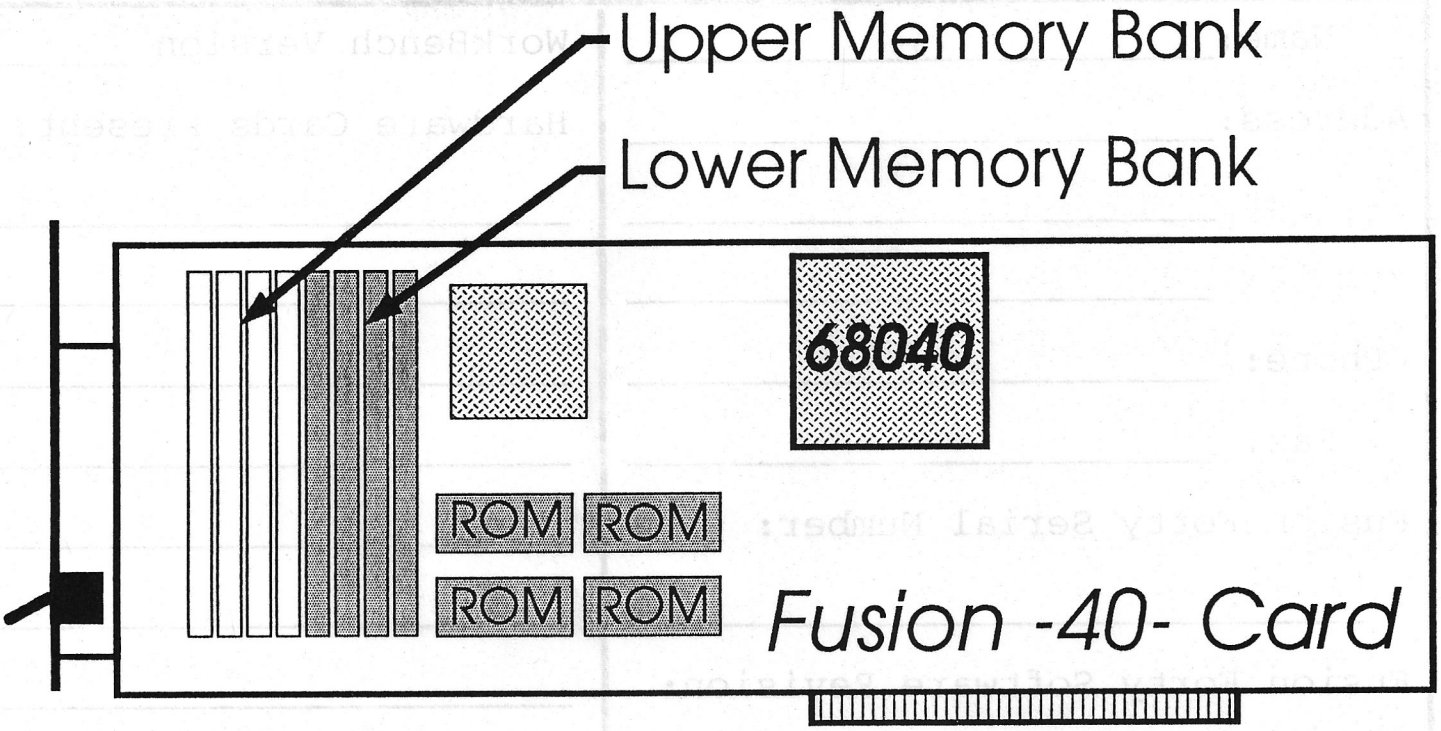
NO CACHING: Used to disable both Inst Cache and Data Cache.

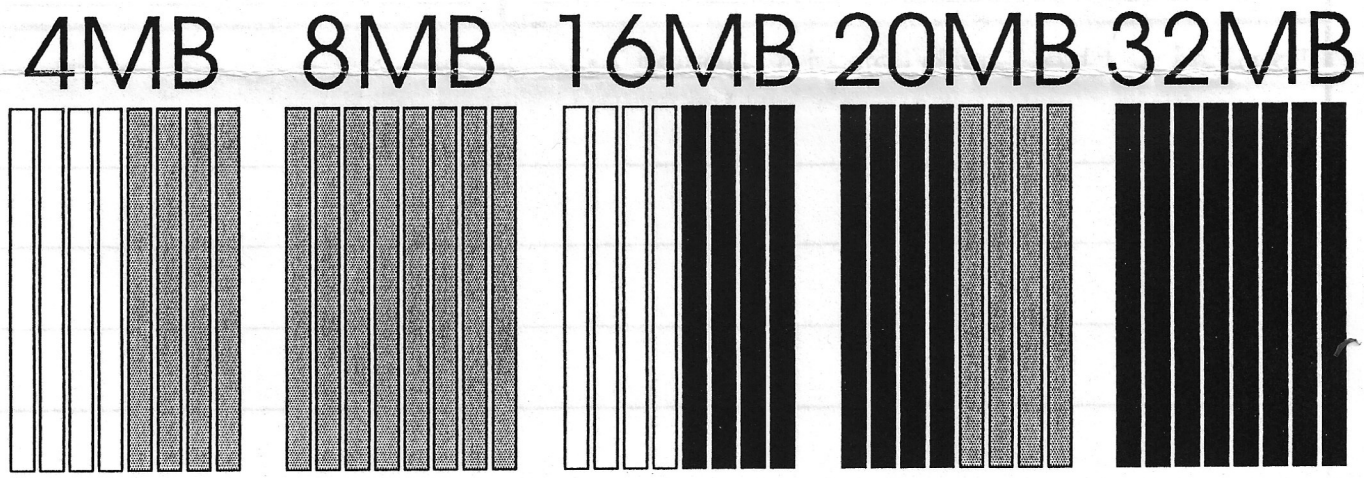
COPYBACK : your very own accelerator turbo booster. This is a special 68040 caching mode. It is designed to give more speed to the system. Programs which do not work with copyback on will crash. As the old saying goes Try it you'll like it .
WORKBENCH 1.3 WARNING:
Copyback can only be started once you have loaded your file. e.g. the Videotoaster must be loaded. From the switcher, go back to the workbench screen and engage the copyback mode then go back to the switcher and commence work. This procedure is not necessary under workbench 2.0.

WRITETHROUGH: This is the normal 68030 caching mode.

SERIALIZED: Special mode of operations intended for programmers who need it. Not for general use.

Figure 1 / DRAM Installation





No Simm

1MBx8 Simm

4MBx8 Simm

Total System Ram	Simm Location	
	Lower Bank	Upper Bank
4MB	4x1MB	NONE
8MB	4x1MB	4x1MB
16MB	4x4MB	NONE
20MB	4x1MB	4x4MB
32MB	4x4MB	4x4MB