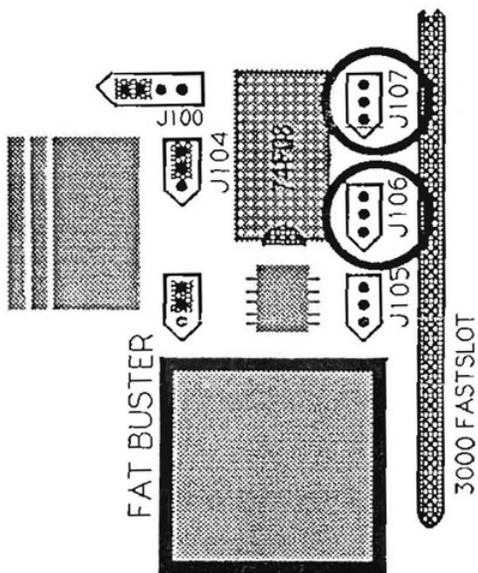


# Progressive Mercury/040

## Jumper Update: 3000T

We have recently determined that the manual for the Progressive **Mercury/040** is incorrect concerning the jumpering of the 3000T. Field testing has revealed that the board works perfectly *without* changing or adding *any* jumpers, despite section 2.1.4 in the Users Manual. While our jumper settings do not appear to change the performance of the system, we do recommend resetting the system's jumpers to avoid future conflicts. Please follow these procedures:



**POWER** off the A3000 before examining the unit. **Never** change jumper settings with the system power on!

**REMOVE** the **Mercury/040** to gain access to the jumpers below the unit. **ALWAYS** discharge any static electricity you may have on your person by touching the chassis or power supply before attempting to handle the **Mercury 040**. Failure to do so may damage the unit and will void the warranty.

**EXAMINE** the jumper locations in the included diagram; they are the original jumper locations on the 3000T and should be the default. If you followed section 2.1.4 of the Users Manual, you may have added jumpers to positions J106 and J107, jumpering pins 1 & 2 in each block. *These additions are not required for the **Mercury/040** to operate properly.* Remove the jumpers at these positions. Re-install the accelerator when finished.

**RESTART** the system. No additional software is required.

**NOTE:** Some users have taken to changing jumpers other than what we've suggested. This may change internal system timings that can lead to lockups, non-validated harddisks and floppies and complete systemwide failures. PP&S strongly suggests that you restore the jumpers to the default settings (as in the diagram) before serious data failure occurs.

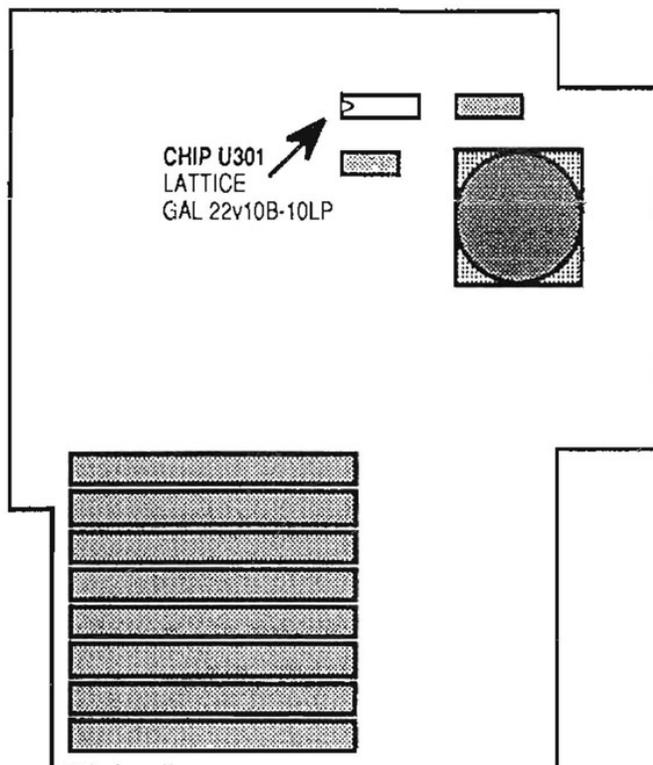
**PROGRESSIVE  
PERIPHERALS  
& SOFTWARE**

**464 Kalamath Street  
Denver, Colorado  
80204-5020**

# Progressive Mercury/040 GAL Update: 030 Boot Conflict

We have found that some early-release Progressive **Mercury/040** boards do not boot directly to the 68040, but rather to the native 68030 of the Amiga 3000's motherboard. This can happen on the first power-up or as a warm reboot. We have isolated this problem as being in a GAL chip on the **Mercury/040** in socket U301, and we recommend this chip change to alleviate the problem:

**LOCATE** chip position U301 on the **Mercury/040**. It is the first large chip after the 3000 FastSlot connector,



**REMOVE** the chip gently using a chip removal tool, or a small flat-tip screwdriver.

**INSERT** the replacement Texas Instruments chip gently into the U301 socket, Take care that the notch in the chip orients to the left (as shown) and that the pins do not bend underneath the chip during installation.

**INSTALL** in system as usual. The **Mercury/040** will now always cold-boot into the 68040 mode, as expected. This will not affect the ability of **Mercury/040** to switch between 040 and 030 modes.

**REPLACE** the original Lattice GAL chip in the protective foam block provided with the replacement GAL, and send it back to Progressive. This **MUST** be done to avoid being charged for the update.

After inserting the replacement GAL, the Progressive **Mercury/040** will operate normally under the Workbench 2.0 operating system. Please send the Lattice GAL to:

**PROGRESSIVE  
PERIPHERALS  
& SOFTWARE**

**464 Kalamath Street  
Denver, Colorado 80204  
ATTN: GAL RETURN**

# MERCURY SUPPLEMENTARY JUMPER SETTINGS

		Defaults	
Processor Select	C1	<input type="radio"/> 68040	<input checked="" type="radio"/> 68030
Cache	C2	<input checked="" type="radio"/> Enabled	<input type="radio"/> Disabled
Off-Board Burst	C3	<input checked="" type="radio"/> Enabled	<input type="radio"/> Disabled
On-Board Burst	C4	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
RESERVED			
RESERVED	D1	<input type="radio"/> DO NOT JUMPER	
FastROM	D2	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
RESERVED			
RESERVED	E1	<input checked="" type="radio"/> DEFAULT SETTING PINS 1 & 2	

*Amiga Hardware World*  
*Everything about Amiga hardware...*

~

*<http://amiga.resource.cx>*