Merlin Hardware-Fix (7/96 incl.060-Fix)

Steps for "Bus-Fix"

1. Remove IC13 (parallel to IC19) and IC14. The sockets are left free.
2. Cut the red-marked wires in the picture "Bus-fix".
3. Solder two cables for the dotted lines.
   (from IC24 pin 21 to IC22 pin 7; IC21 pin 10 to IC23 pin 19)
4. Exchange IC 21, 24, 25 with the new ones.

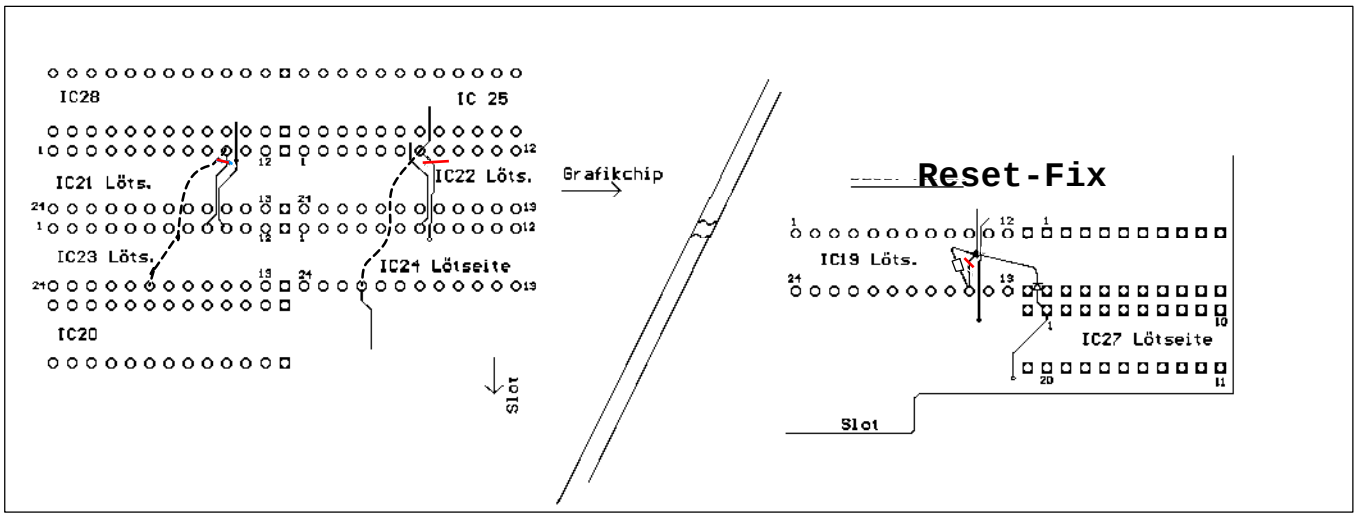
That's all.

Steps for "Reset-Fix"

(Only necessary, if your Amiga has problems after warmstart or reset)

1. Cut the red marked wire in the picture "Reset-fix" near by IC19 pin 15. Scratch the open ended wire, which is not connected to IC19, free down to the metal and put solder on it.
2. Insert the resistor, where the wire was cut (IC19 pin 15 to open-ended wire).
3. Solder the anode of the diode to IC27 pin 1. Connect the cathode of the diode (marked by the ring) to the open-ended wire with the resistor from point 2.
4. Test all connections!
5. If the Merlin isn't recognized correctly by autoconfig (manuf.:2117, prod 3+4) there must be something wrong with the resetfix.

Bus-Fix **Attention: View from solder-side!**



Jumper settings:

If Probench "freezes" during work, please correct the junpers J8,J9 to setting 3.
But you can test all 4 settings, it effects the memory and blitter clock.
Remember: the faster - the higher the temperature.

Setting:	J8	J9	Memory-Clock
1	1-2	1-2	65 MHz
2	2-3	1-2	60 MHz
3	1-2	2-3	55 MHz
4	2-3	2-3	50 MHz

By the way: Never use J2, which was buildt in to damage the merlin!