

# GO8-003 Transistor Upgrade Kit

## Quick Install Guide



If you need more help than this quick guide provides, detailed directions and an installation video are located on the Alan-1 website. <https://alan-1.com/product/alan-1-go8-transistor-upgrade-kit/>

1. If you're using the template that came in the box, skip this first step. If you printed the template from our website, *measure the distances between mounting holes to verify they are exactly as shown*. If not, you may have to set "Print Scaling" to 100% and turn off "Fit to Page" in the printer dialog.
2. Unplug the game from the wall. Unplug the power and video connectors to the GO8. Remove the GO8 monitor and chassis from the game. (You can leave it mounted to the wood panel.)
3. Carefully unplug the old transistor block from the paddle boards. Unplug the fan from the deflection board. Remove the old transistor block and fan. Double-check that all 4 transistors in the block have a 2N6259 part number, and that your game has paddle boards. If not, **STOP!** You may have a GO8-001, or some other variant that the Transistor Upgrade Kit will not work with.
4. Tape the template to the OUTSIDE of the GO8 chassis, in the same orientation as it's printed on the paper – **with the backwards "ALAN-1" on the top edge**. Check that the left edge of the PCB is at least 5/8" (16mm) from the bar across the rear of the chassis. Check that the bottom edge of the PCB is at least 1/4" (6.5mm) above the metal plate that forms the bottom of the chassis. Check that all four holes are on metal, and not on the triangular hole/grab handle. Check that the PCB outline doesn't poke out the top of the chassis, or into the triangular hole.
5. Drill a 3/16" hole at each of the four locations on the template. Start with a 1/16" pilot hole. Once the holes are drilled, blow the metal shavings out of the monitor chassis.
6. Attach the two 7-pin cables and the 3-pin cable to the TUK PCB: the connectors are keyed. Tape the screws and standoffs to the PCB so they don't fall out as you push them through. Place the PCB inside the chassis, line it up with the holes you drilled, push the screws through the holes, and screw on the nuts. Remove the tape: you may have to tip the monitor up to get the last piece.
7. Plug the other end of the 3-pin cable into the 3-pin fan connector on the deflection board. Plug the other end of each 7-pin cable into the paddle boards. It doesn't matter which cable goes to which paddle board. Make sure to line up the empty pin on the connector shell with the empty pin on the paddle board!
8. Double-check that the 3 and 7-pin cables are all plugged in correctly. Double-check that neither the TUK PCB nor the heatsinks are touching the metal chassis, the paddle boards, or the deflection board.
9. Reinstall the GO8 in the game cabinet. Plug both the monitor power and signal cables back in.
10. Power up your game, and enjoy stable, trouble-free vectors!