# CNC Enclosure Debugging Notes

**Grounds**

Need the enc- connected to the shield of the encoder cable. What is this on the DB connectors?

**Problem**: MCB leaves the relay disabled except during the flashing “ready” state. That means the NC connection is closed during standby and ready and the NO is open. Need it to actually switch on only during ready (and would live with ready + flashing ready) so it controls the relay for the DC supply.

**Fix**: This problem goes away if you set the DIP switches to a Gecko servo drive instead of the steppers. I had chosen the stepper option during testing because I didn’t have the servos encoder stuff wired up. Turns out that was a bad idea.

**Notes**:

1. Need to reconsider my E-stop feedback to the Smoothstepper. I want to follow the MCB’s recommended procedure for that instead of what was in my wiring diagram.
2. Also need to revisit whether I’ve got my Start/E-stop wiring mislabeled or not.