

This is what you said you had...power comes into the DW, then goes to the GD, but it needs to be switched. So, you need to run the power to the switch first. Sorry, but if this doesn't make sense, it's time for a pro to resolve it for you. Since you shouldn't make splices anywhere except inside of an electrical box, you'd need to run the cable from the DW and the switch into the GD's box and splice them there. It's not normal to have enough room in the GD box to connect two cables and may overfill it. If that's the case, you may need to install a new box in the wall to make the splice. It might be easier to just run the lead with power AND neutral to the switch's box, then run it back to the GD.

The bottom diagram would be more normal, since it would only have one cable going into the small box at the GD. These are functionally equivalent. For simplification, I did not show the ground wire, but you need to connect them at each box.

