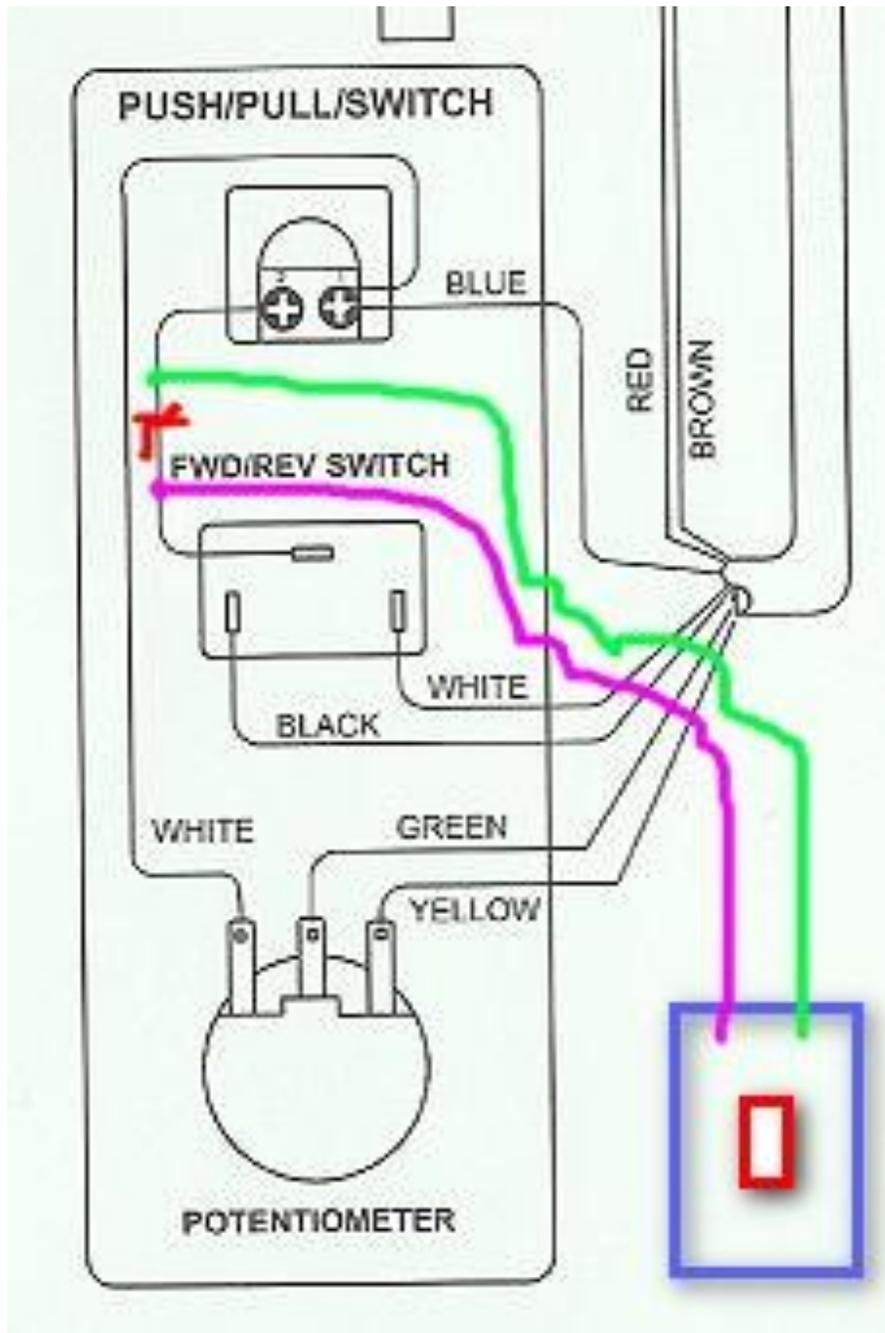


Remote Switch for Jet 1642

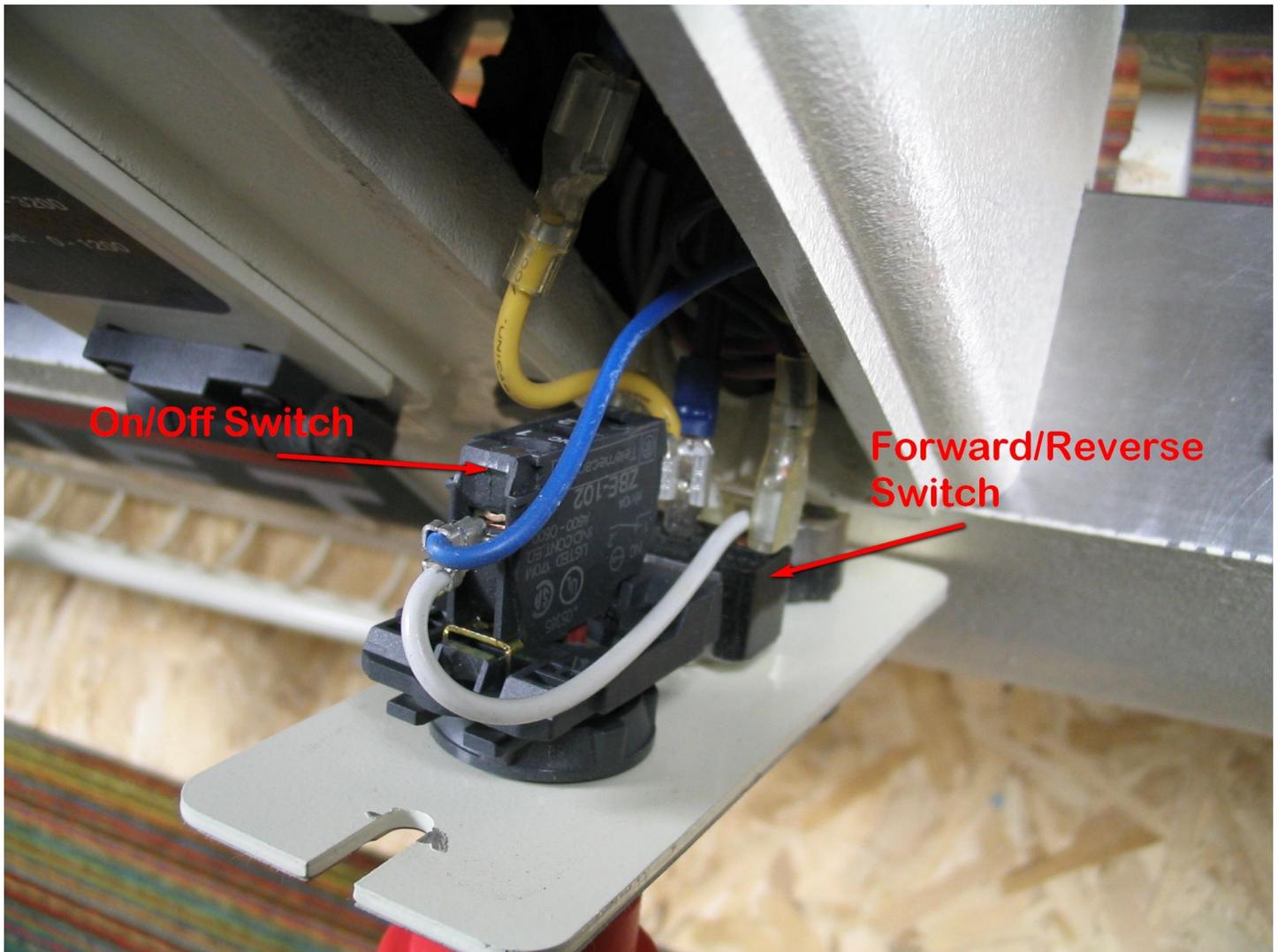
by Steve Schlumpf

Let's assume that you have the manual for your lathe. In the back is the schematic for it. This is a copy of the portion of the schematic that we are interested in.



Disclaimer: By going forward with this modification, you do so at your own risk and furthermore agree that I am to be held blameless and am not liable in any way for any damages resulting from the modification and/or use of the remote switch.

This mod is extremely simple. There are 2 allen-head screws securing the faceplate that houses the on/off switch, the direction control and the speed pot. When you remove those screws the assembly can be pulled forward enough to work on.

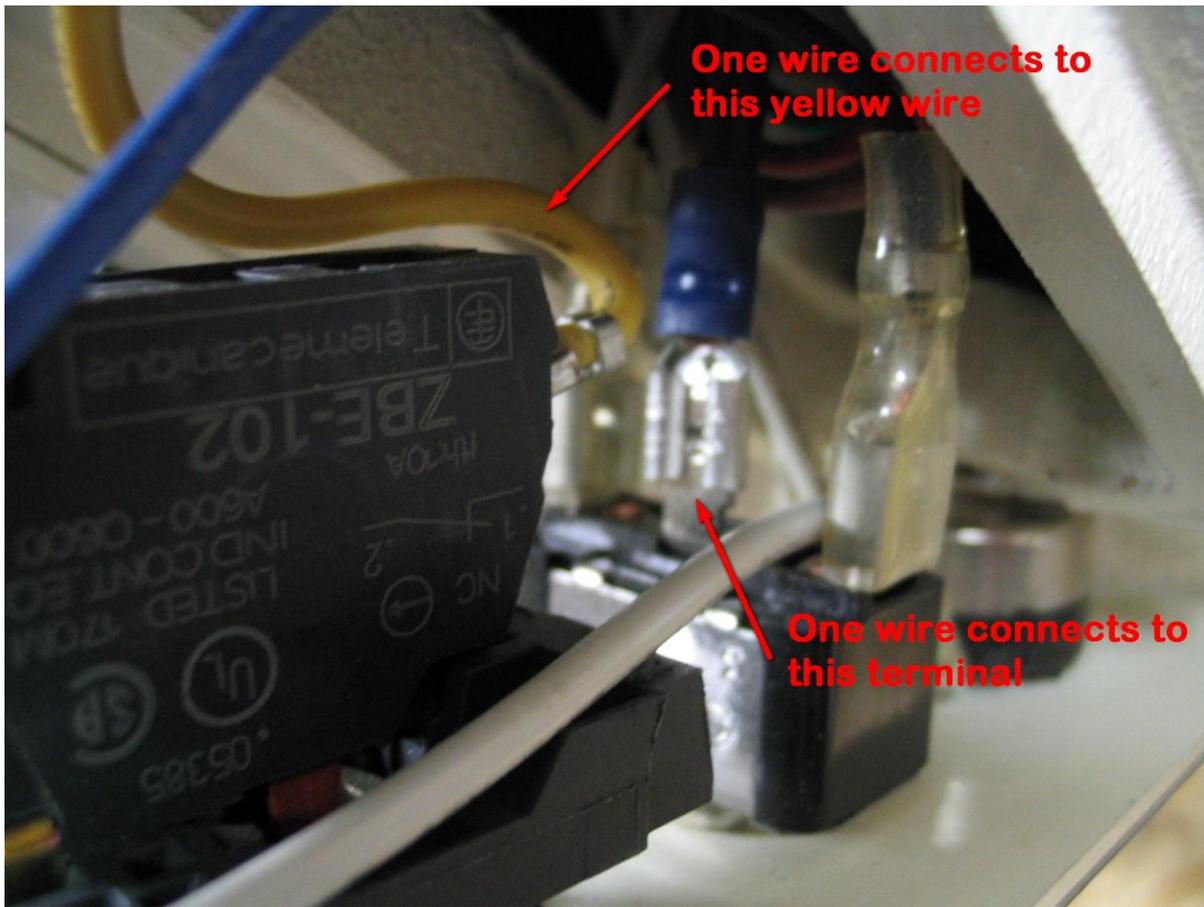


Now with all power removed (I just had to say that!) look at the back of the panel and locate the on/off switch. Notice that on the schematic it shows that one connection has 2 wires attached and the other (the output side) has only one wire. We are interested in the single wire – in this case mine is **yellow** – hopefully yours is also. Follow that single wire and confirm that it goes to the center (of 3) contact of the Forward/Reverse switch. What we want to do is wire the new switch in series between those 2 points.

Basically, one wire from your light switch is going to go to this yellow wire, the other wire from your light switch is to connect to the center tab on the Forward/Reverse switch – where the Yellow wire was originally connected.

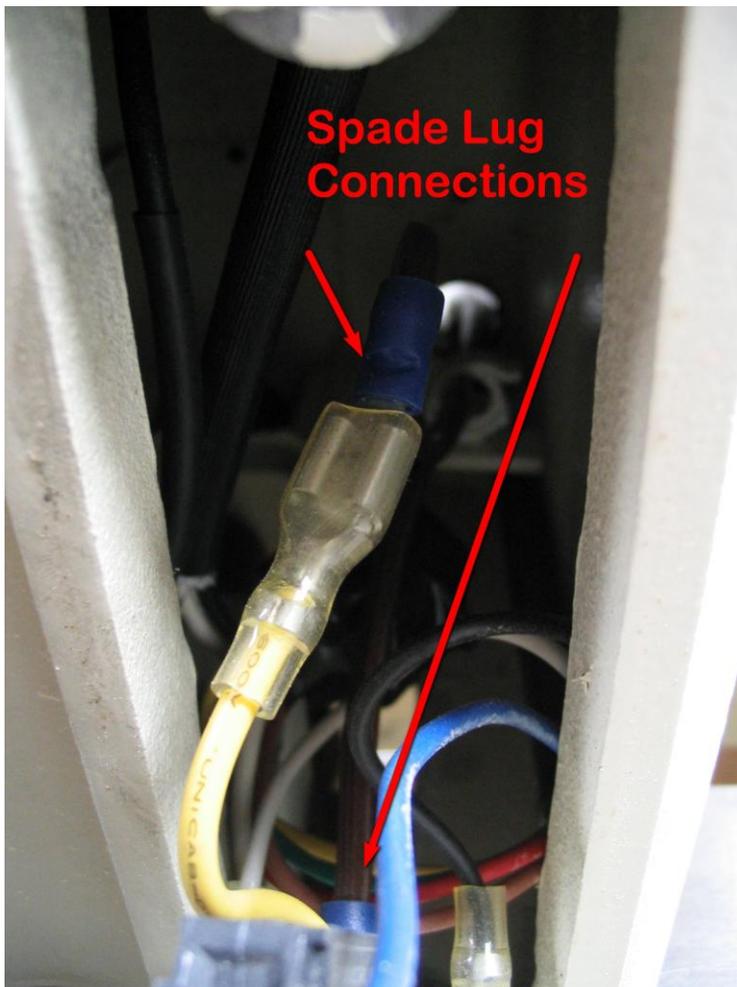


I used a regular el-cheapo light switch in a single blue plastic junction box and screwed a 1" rare earth magnet onto the back of the junction box so that I can place the switch anywhere I want on the lathe. I also used about 6' of regular 2 wire 120 VAC lamp cord (because I had it on hand) to allow me to have the headstock and switch at opposite ends of the lathe at the same time.



One wire connects to this yellow wire

One wire connects to this terminal



Spade Lug Connections

The lamp cord - one end wired to the light switch, the other end I actually used some crimp on connectors and just plugged them into the existing spade lugs on the wires (one male & one female crimp connectors) from the on/off and forward/reverse switches. Make sure your connectors are insulated so as to prevent any shorts!

The remote switch works great. All the switch does is provide a ground. This is wired so you have to have the main power switch in the **ON** position for the remote to work. I think that wiring arrangement is a little safer as both switches must be on for the lathe to operate but either switch can turn the lathe off!

If you have any questions, please ask!