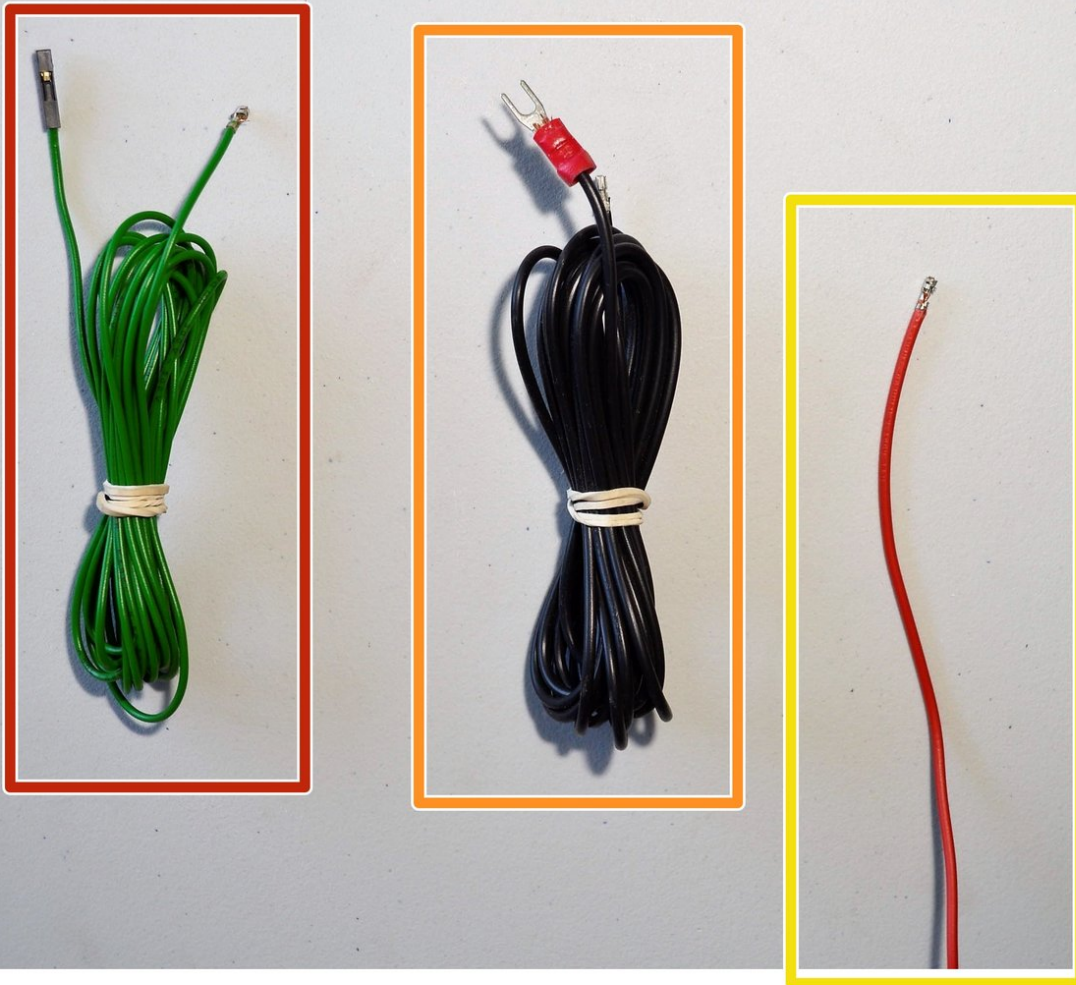


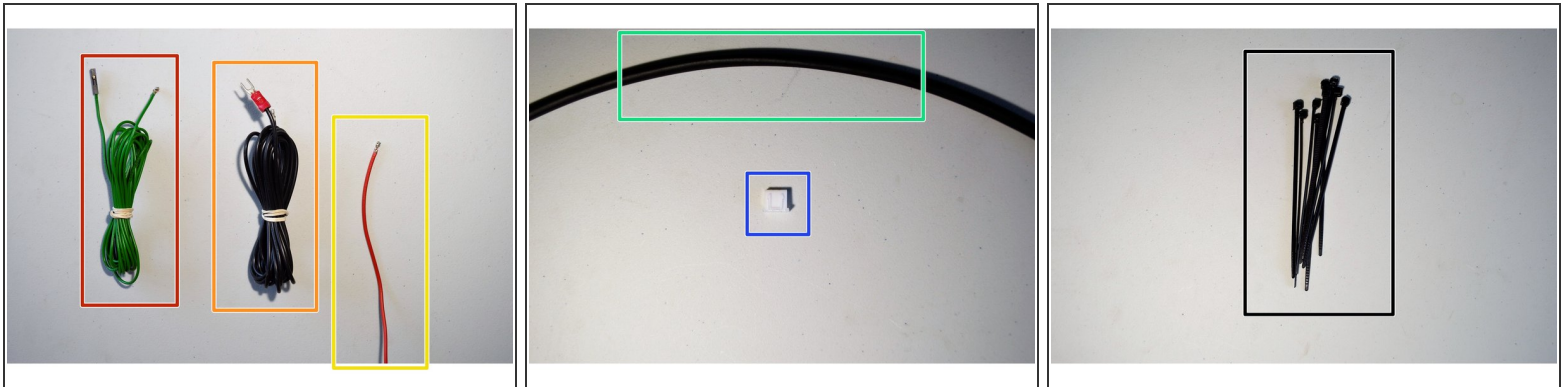
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05. Feed cables to laser

Written By: Paul Cronje

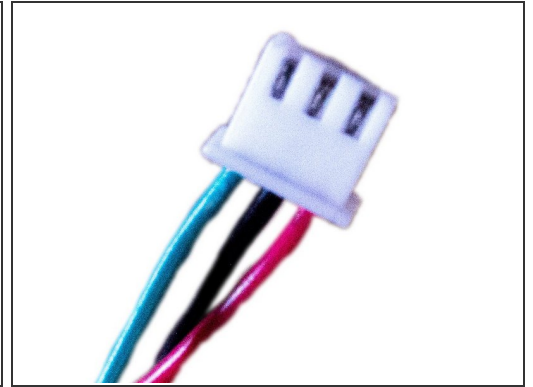
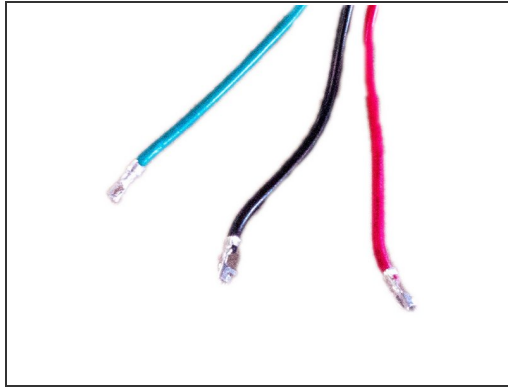
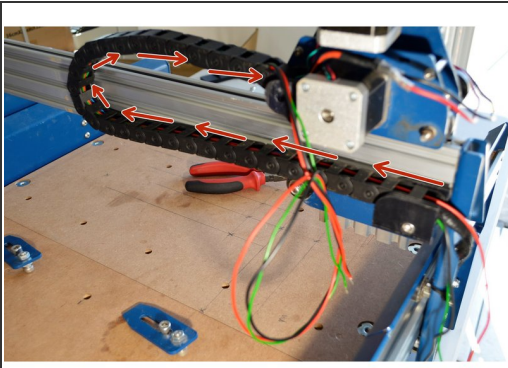


Step 1 — Parts Required



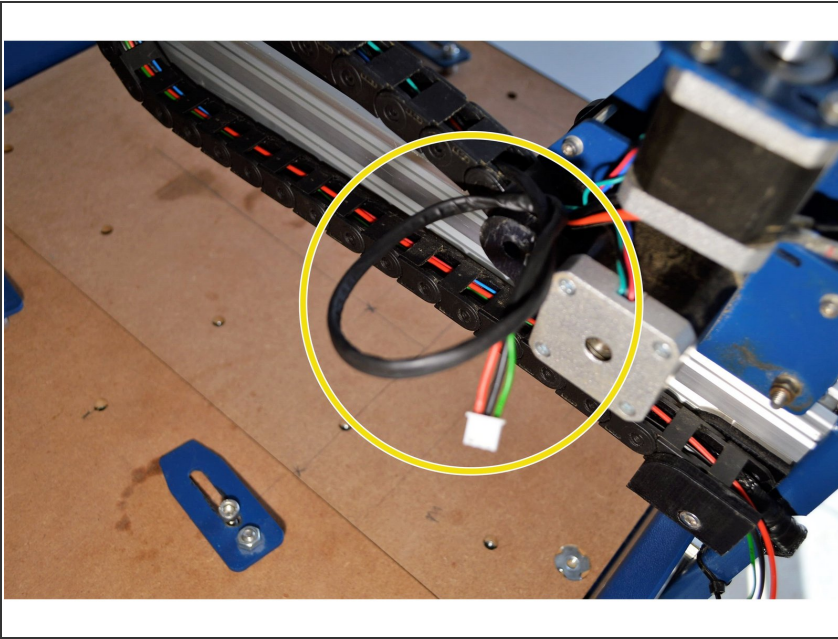
- Green PWM Cable
- Laser Ground Cable
- Red 12V Power Cable (currently connected to toggle switch)
- 5mm heat shrink
- 3-Pin Laser Connector
- Cable Ties, 104 x 2,5mm

Step 2 — Feed cables through drag chain



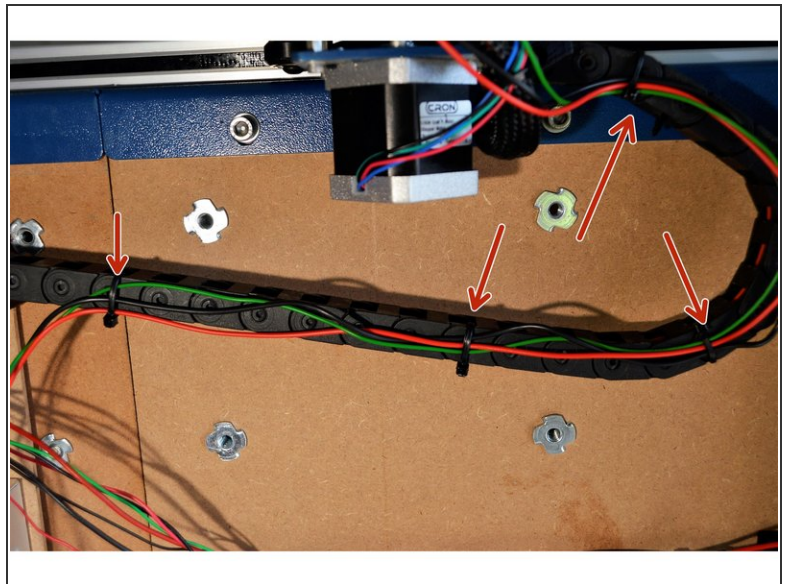
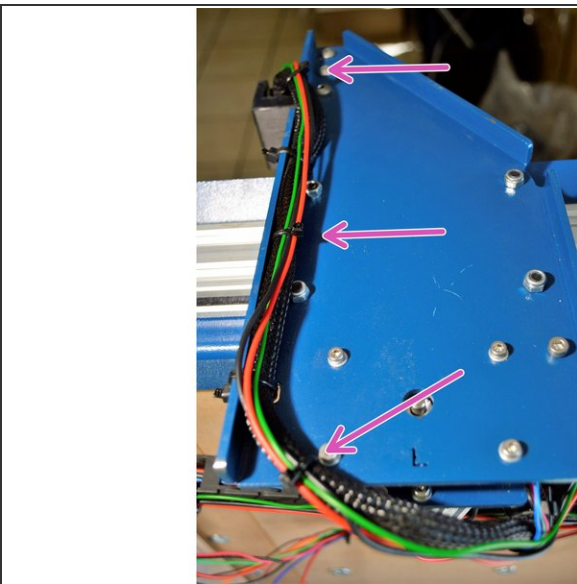
- Feed these three cables (Black, red & green) through the X-axis drag chain with the small Molex crimped pins at the front going towards the spindle/laser
- When the cables are through the drag chain, slide the heat shrink over the cables
- Plug the Molex crimp terminals into the 3-pin connector. When the slots in the connector is facing you, the green cable is on the left, black cable in the middle and the red cable on the right as shown in the picture.
- Shrink the heat shrink over the cables while leaving 15mm between the heat shrink and the 3-pin connector

Step 3 — Adjust length of cable



- Adjust the length of the cable on the spindle/laser side that only the heat shrink is sticking out of the X-drag chain

Step 4 — Neaten cables



- Fix these cable to the cable weave on the side panel of the machine
- Should you have the cable weave that can open, slide the cable into the cable weave.
- Cable tie the cables to the drag at the below the machine. Make sure you do not constrain the cable inside the drag chain with the cable ties.

