

Instructions for replacement of Hoist Control Cable

Make sure to follow the steps in order to avoid electric shock!

1. Unplug hoist from 110V source.

2. Place hoist on a secure table facing up (cable drum up)
3. Required tools: 1 flat screwdriver and 1 Phillips screwdriver
4. Ensure that the hoist has at least 2 FT (60 cm) of unspooled cable from the drum

5. Using a Phillips screwdriver remove 3 screws from cover of black electric box



Figure 1

6. Lift black cover and identify the cable strap securing the control cable (in the picture is the cable located on the left) and unscrew the cable strap in order to loosen the cable

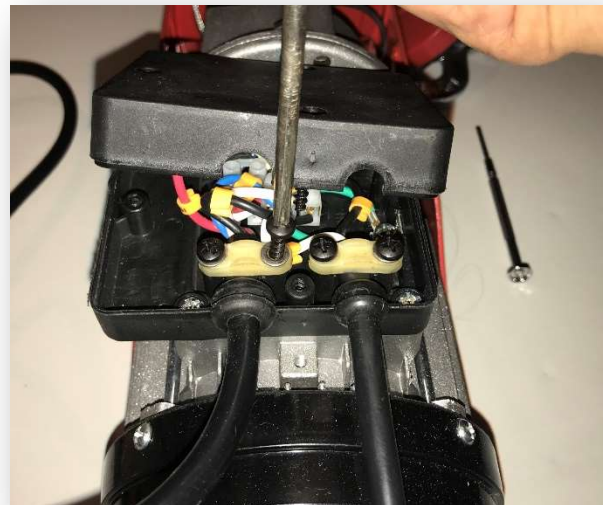


Figure 2

7. Identify the 4 wires coming from the control cable:

- a. #11 – White
- b. #10 – Blue
- c. #12 – Black
- d. #9 – Red (connected to the switch which is attached to the box lead)

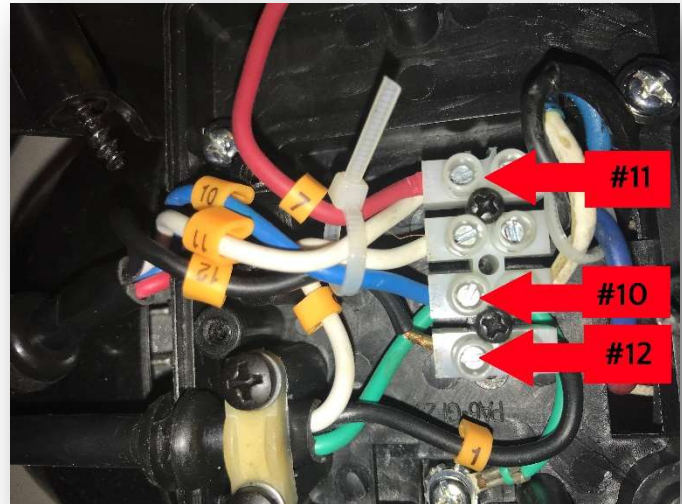


Figure 3

8. Using a flat screw driver remove wires #10, #11, #12 from the terminal block



Figure 4

9. Using a set of pliers pulled the wire #9 from one of the switch terminals as shown in the picture

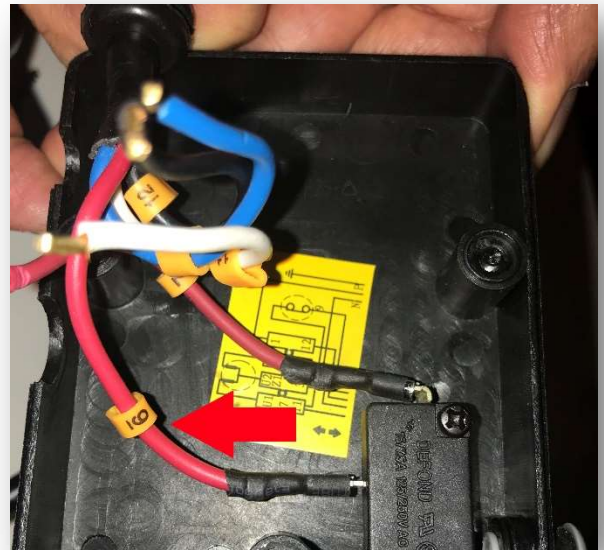


Figure 5

10. Once all wires are disconnected, it is possible to remove the control cable from the hoist

INSTALLING THE NEW CONTROL CABLE

11. Bring the new control cable and identify each of the 4 wires.
12. Proceed in reverse order as the original cable was removed
 - a. Connect wire #9 to the switch using your fingers or pliers, while being careful not to bend or break the switch contact leg (Reference Figure 5)
 - b. Connect wires #10, #11 and #12 to the terminal block (Reference Figure 4)
 - c. Secure the control cable by screwing back the 2 screws on the cable strap (Reference Figure 2)
 - d. Secure the lead of the electric black box by screwing back the 3 screws (Reference Figure 1)

TESTING THE HOIST

13. Before plugging the hoist in 110 V, make sure that the area is clear and that the cable and hook can move will move freely when the hoist is activated
14. Plug in the hoist
15. Using the new control, unspool a couple of inches / centimeters of cable. Ensure that the cable moved in the expected direction. If cable moves in reverse direction as expected then cables have not been properly connected in the terminal block.
16. Final check: start spooling cable back into the hoist drum and press the Stop Loop. When pressed (push towards the drum), the Stop Loop must stop the hoist. If it does not, then wire #9 is not properly connected to the switch.



Figure 6

****Make sure your hand is far from the hook when pressing the Stop Loop to avoid injuries****