



# Technical Service Bulletin

## VLT-021 and VLT-015 Polishers Power Cord Replacement

If the power cord on your polisher has become damaged or is in need of replacement, a replacement cord is available as a service part. This bulletin will list the steps required to replace the power cord on the VLT-021 and VLT-015 polishers.

Do not attempt this repair if you are unfamiliar or uncomfortable with the process. If you have any doubt, have a qualified technician complete the repair.

You will need:

- Utility knife
- #2 phillips screwdriver
- Replacement cord



Fig. 1

### Power Cord Removal

1. Unplug the polisher from electric service.

2. With the polisher on a clean, well lit workbench, locate the speed indicator label (Fig. 2). The label is located on the top of the machine with the backing plate resting on the workbench. Using a sharp utility knife, cut the label along the assembly joint (Fig. 3) in the machine casing. This will allow the case halves to separate when the screws are removed. Use extreme care when cutting to avoid injury.



Fig. 2



Fig. 3

3. Remove the six screws (Fig. 4) securing the handle halves together. It is not necessary to remove the screw holding the vent cover over the brushes.

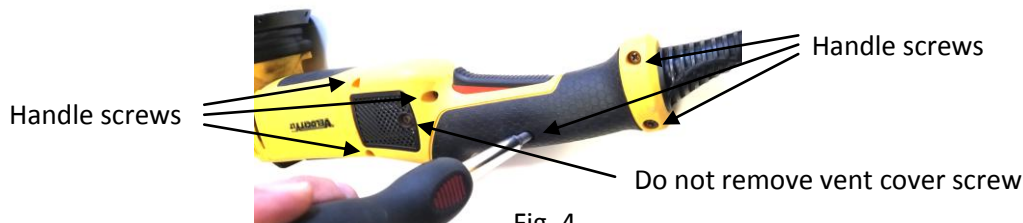


Fig. 4

4. Remove the top half of the handle to expose the cord and switch components.



Fig. 5



Fig. 6

5. Remove the two phillips screws securing the cord inside the handle.

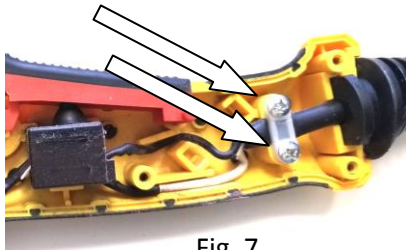


Fig. 7

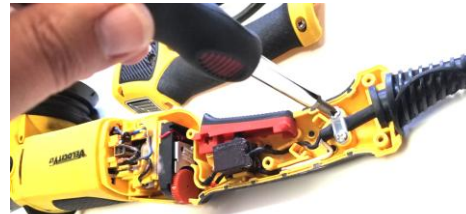


Fig. 8

6. Lift up on the cord strain relief to remove it from the handle casing (Fig. 10). The switch will pull out of the recess holding it when the cord and strain relief are removed.



Fig. 9

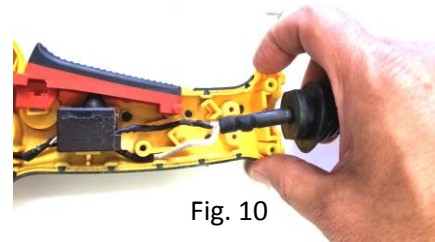


Fig. 10

7. Holding the switch (Fig. 11), completely remove the two phillips screws securing the power cord to the switch (Fig. 12).

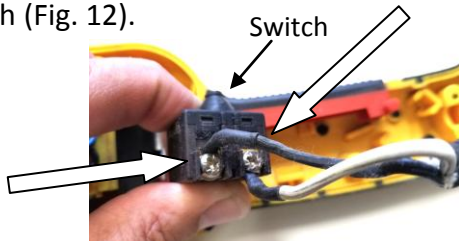


Fig. 11



Fig. 12

8. When the power cord is free from the switch (Fig. 12), pull the cord back through the strain relief (Fig. 13). Discard the old cord but retain the strain relief (Fig. 14) as you will be re-using it with the new cord.



Fig. 13

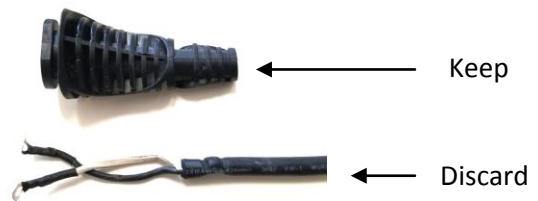


Fig. 14

## Power Cord Installation.

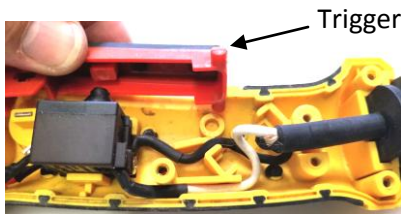
1. Thread the new cord through the smaller end of the strain relief (Fig. 15) till the loose wires and a short length of the cord are visible past the larger end (Fig. 16).



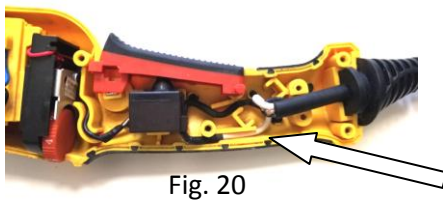
2. Attach the two terminals on the wires to the connecting terminals on the switch using the two screws that were removed during disassembly. Black wire on the left terminal exiting the top of the switch, white wire on the right terminal exiting the bottom (Fig 17). Tighten securely.



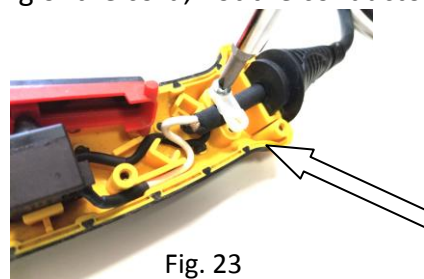
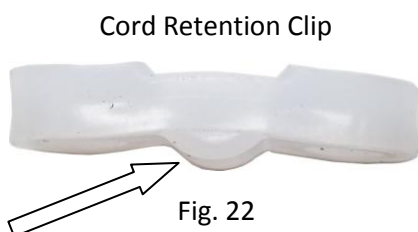
3. Slightly lift the trigger out of the casing (Fig. 18) and fit the switch back into its recess below the trigger (Fig. 19). Be sure the trigger is properly re-positioned for smooth operation.



4. Fit the wires into the grooves leading from the switch (Fig. 20) and replace the strain relief in its slot. The strain relief should be pointing toward the bottom of the machine as shown (Fig 21).



5. Secure the cord to the machine casing using the retention clip and the two phillips screws that were removed during disassembly (Fig. 23). The curved portion of the clip (Fig. 22) faces down toward the cord and should be making contact with the outer casing of the cord, not the conductors.



6. Test fit the top half of the handle to ensure all components are fitted correctly and nothing will be pinched when the handle is reassembled. The handle halves should fit together completely without excessive force (Fig. 24).

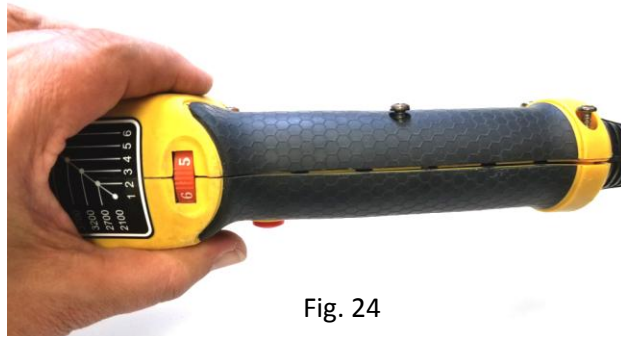


Fig. 24

7. Secure the top half of the handle with the six phillips screws that were removed during disassembly (Fig. 25).

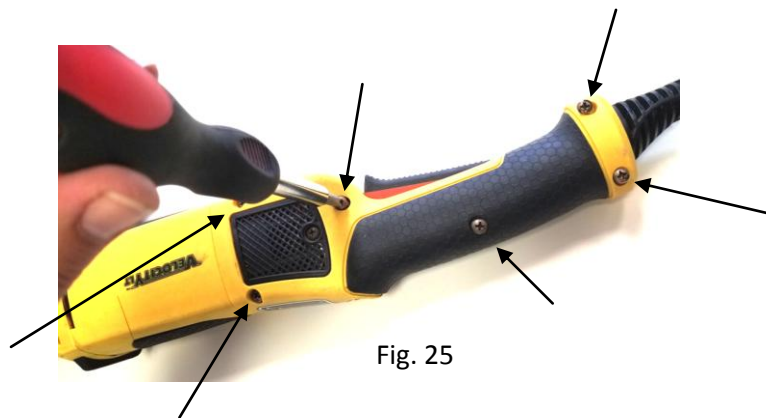


Fig. 25