

CARBON BRUSH REPLACEMENT for SUCTION UNITS

ITEM # 556 0041 V1005 Carbon Brushes, pkg of 2

Use Only MICROSTAR Carbon Brushes

1. Turn off the unit and unplug the power cord.
2. Open and remove the filter door from the vacuum unit by lifting it up off the hinges.
3. Remove the perforated cover.
4. Remove the rubber spacer on top of the filter that holds the cartridge in place, then remove the Micro Fine Filter Cartridge.
5. Remove all four screws that hold down the grey plastic motor cover and remove the cover.
6. Carefully lift out the motor, then disconnect the two yellow wires. The carbon brushes are located inside the brass brackets on each side of the motor.
7. Disconnect the black wire on the left side of the bracket.
8. Carefully bend down the brass tab on the end of the bracket.
DO NOT BEND any further than needed to remove the carbon brush or you could break the tab.
9. Remove the old carbon brush and insert a new one.
10. From the clip end, insert a small screwdriver or similar tool through the middle of the spring to keep it straight while pushing it into the bracket. Be sure that the spring does not get caught on the corners of the bracket. The copper wire inside the spring must be kept straight and not get crimped by the bracket or by the metal end clip.
11. Push the metal end clip into the bracket and bend the brass tab back up to secure the carbon brush. Reconnect the black wire to the end clip on the left side of the bracket.
12. Repeat Steps 7 - 11 to replace the other carbon brush.
13. Reconnect the two yellow wires to the motor.
14. Replace the motor. Make sure it is correctly aligned over the rubber mounting.
15. Reverse Steps 5 - 1.

To properly seat and extend the life of the brushes, operate the vacuum unit on its lowest speed for about two hours.