

To replace the brushes on your 3/4 HP motor.

1. Follow steps 1-4 on the included *To replace a motor on your power train* card to separate the motor from the gearbox.
2. Remove the through-rod nuts from the end cap. *Note: These are the two hex nuts to which the wires do not attach.* Pull the through-rods out from the shaft end of the motor.
3. Scrape the silicone from the seam around the motor barrel. *Draw a line across the seam from motor barrel to end cap for reassembly alignment.*
4. Locate the small notch along this seam. Insert a screwdriver into the notch and tap with a hammer to separate the motor barrel and the end cap. Using two screwdrivers, pry the end cap off.
5. Locate and remove the four brushes inside the end cap and clean the brush housings with fine emery cloth.
6. Install new brushes and springs. To hold the brushes in place, insert a straightened paper clip through the small holes above the brush housings on the outside of the end cap. The holes are filled with silicone, but the clip should easily push through and find its way to the hole on the bottom of the brush housing.
7. Thoroughly clean the inside of the motor shell, end cap and surfaces to be resealed.
8. Replace end washer in end cap and put the cap back on the motor, making certain to line up the holes for the through rods.

9. Insert through-rods. It may be helpful to glue a piece of straightened paper clip to the threaded end to help find the bottom hole.
10. Tighten the through-rods, remove the clips holding back the brushes and test run the motor.
11. Loosen the through rods and crack open the end cap enough to reseal the seam using GE silicone caulking or equivalent. Tighten the through-rods and wipe off any excess silicone. If the vent hole plug is not in place, replace it.
12. To reinstall motor, follow steps from the included *To replace a motor on your power train* card.

Good Luck!

