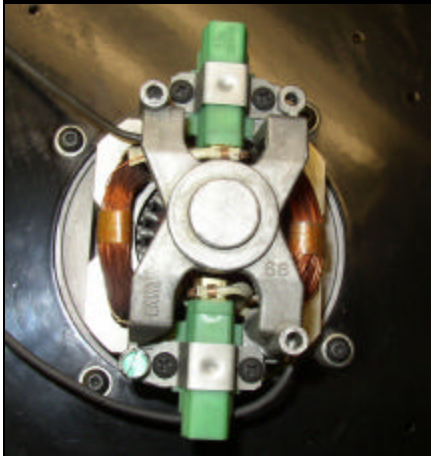


How to change interrupter brushes on the Shortcut Vacuum Motor

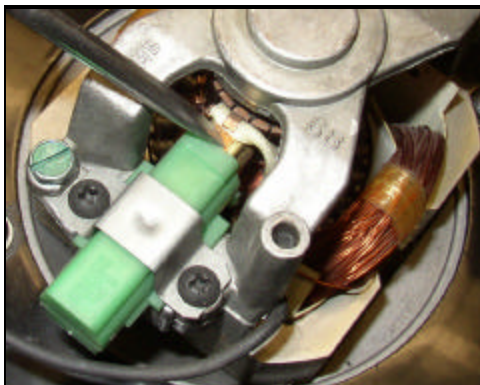
Caution: Be sure the vacuum is unplugged before proceeding.



1. Remove the motor cover from the vacuum lid to see the armature, pictured above. Each of the two interrupter brushes is held in place with a metal strap secured by two screws. The brushes' plastic case is green in this picture, but the casing can come in other colors, such as brown, black or white.

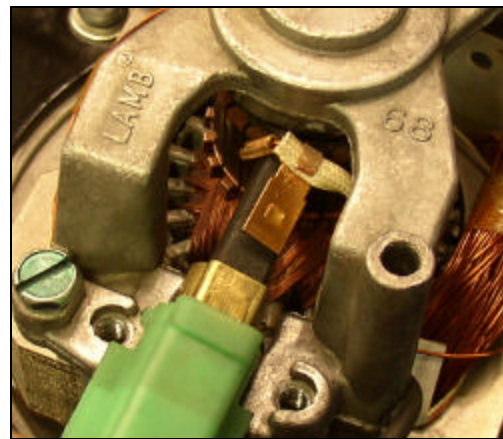


2. When the interrupter brush is worn, a plastic core is exposed inside the carbon brush. This core stops ("interrupts") the motor before the metal collar on the brush damages the armature. Worn brushes must be replaced (part #737-0051) before the motor will run again.



3. To replace a worn brush, first loosen the brass connector that is connected to the motor. A screwdriver is a good tool for pushing the connector away from the brush and toward the center.

Note that the brush is still held in place by the metal strap and its two screws. The strap steadies the brush while you loosen the connector from the brush casing.



4. When the connector is completely removed from the brush casing, the strap can be unscrewed and removed, so a new brush can be installed.

Note the metal tab on the connector. It fits into the slot in the new casing.

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