



## Product Support Bulletin

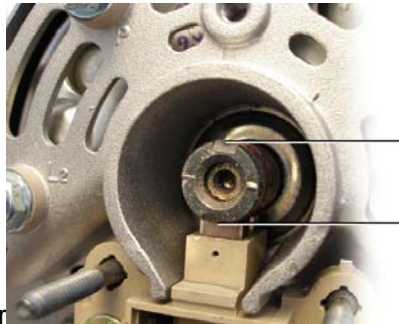
**Title: How To Use A Commutator Stone**

**Date: 11/6/09 ml**



Examples of Commutator Stone

A commutator stone is used to remove carbon build up from the commutator of a motor or alternator, which is created from worn brushes. The commutator is the internal part of the motor or alternator that spins and makes contact with the motor or alternator brush.



Example of Commutator in Alternator

**BE ADVISED:** The dust created from cleaning the commutator is a carbon dust. Use caution when removing dust so as not to inhale.

If servicing the motor or alternator without removing from the unit, be sure to disconnect power from the machine.

To remove the carbon build up from the commutator, first remove the brush from the motor or alternator. Insert the commutator stone into the brushes place in the motor or alternator. Apply slight pressure against the commutator stone and by hand, slowly turn the motor or alternator shaft. As you are turning the shaft of the motor or alternator, the commutator stone cleans away the carbon that has built up on the commutator.

Use a vacuum hose to suck out the dust debris or tip the motor/alternator over and allow the carbon dust to fall out.