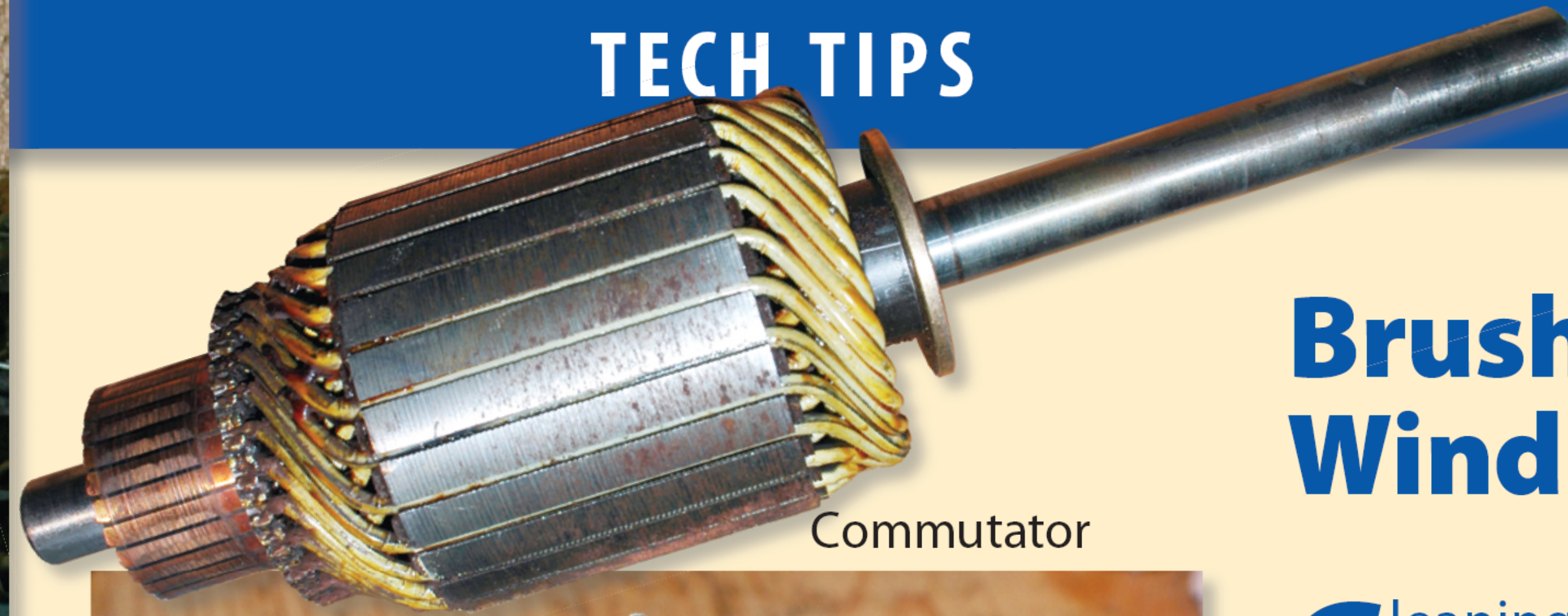


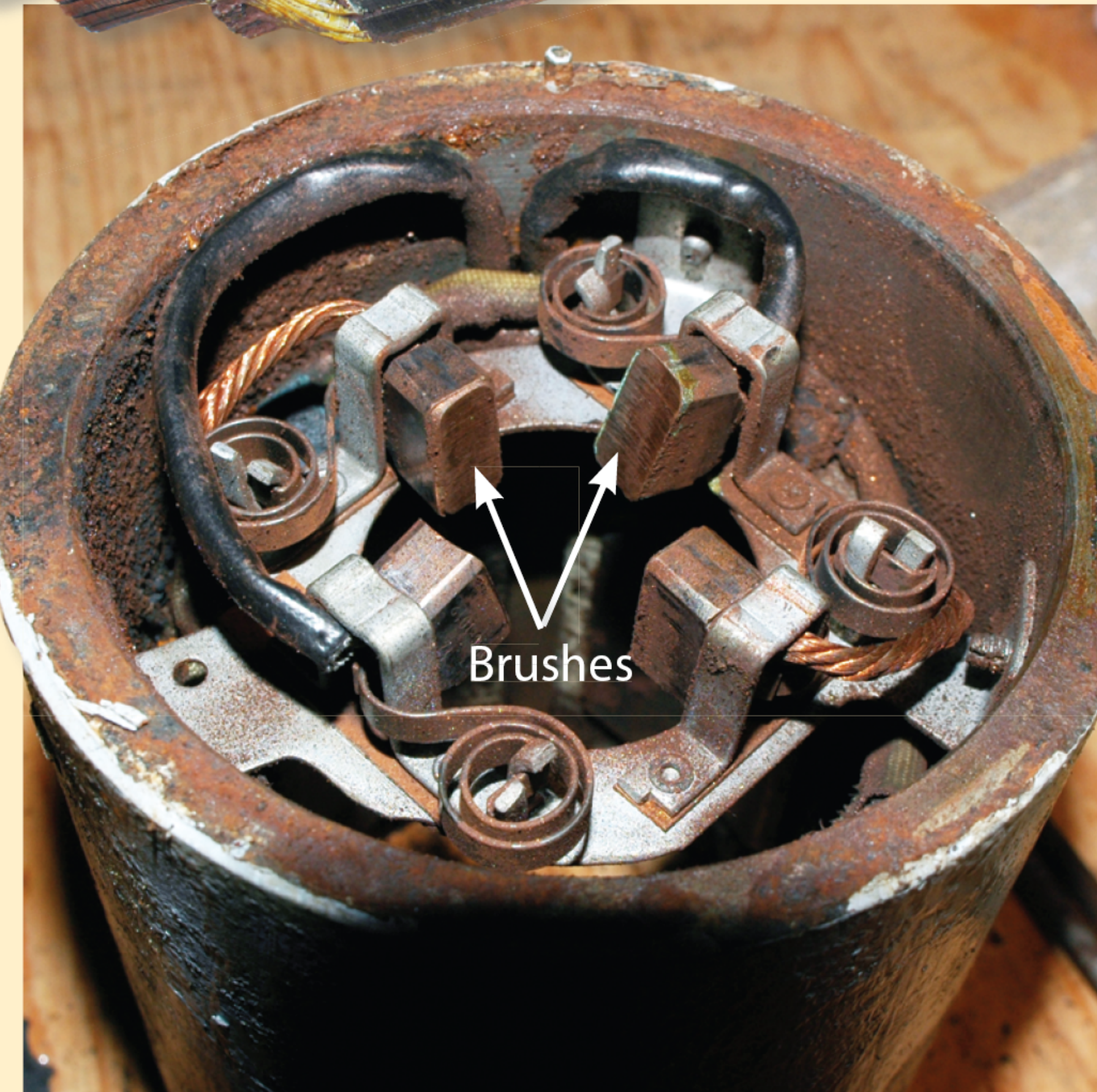


## TECH TIPS



### Brushing Up on Windlass Repair

Cleaning up the drive motor and polishing the commutator and brushes can improve windlass performance. Many tried and proven windlasses used modified starter motors that incorporated a front plate ball bearing on the drive shaft. Water damage can cause this bearing to bind, and rust to accumulate on ferrous metal portions of the motor itself. Disassembly and a wire brush cleanup does wonders for adding longevity, and it's also a great time to check brush wear and commutator scarring. Check with your windlass manufacturer for gaskets, bearings, brushes, and other parts.



*The commutator seats inside the spring-loaded brushes. Fine sandpaper can be used to clean the brush contacts, which are prone to wear and corrosion. A vice comes in handy (left) when trying to re-install the rotor assembly.*