



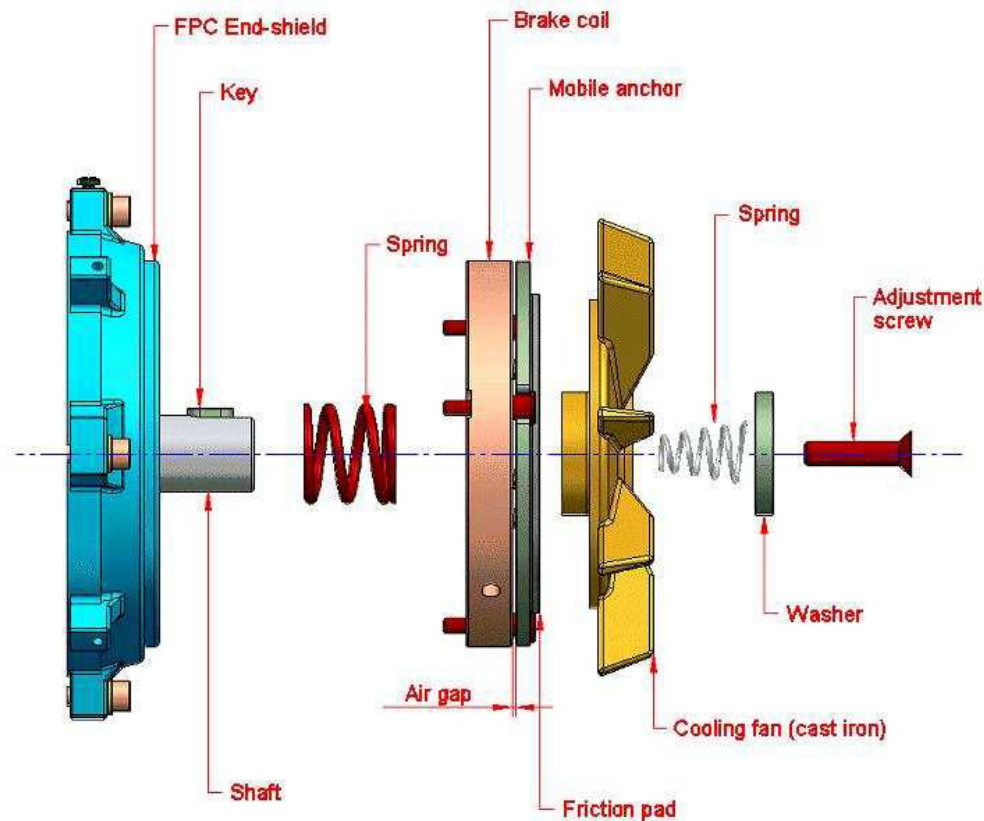
MangoTech

FRESH AUTOMATED SOLUTIONS

THE PROCEDURES IN THIS DOCUMENT SHOULD BE CARRIED OUT BY QUALIFIED PERSONS ONLY.

Trouble shooting the brake on an Apollo saw.

The main cause of the brake not functioning correctly is the air gap not being set correctly. If the air gap is set too wide the brake coil does not have enough electromagnetic force to pull the brake away from the fan. The air gap can be adjusted by removing the plastic cover on the end of the motor and using a 4mm Allen wrench winding the adjustment screw in on the end of the shaft.



If the air gap is set correctly and the brake is still not working you need to check the brake coil and the rectifier.

BRAKE COIL.

Ensure that the saw is isolated. Disconnect the wiring that runs to the rectifier in the conduit box. Using a multi-meter measure the resistance of the coil. The readings should be as follows.

100V brake – 230-360Ohms

148/150V brake – 700-900Ohms

BRAKE RECTIFIER

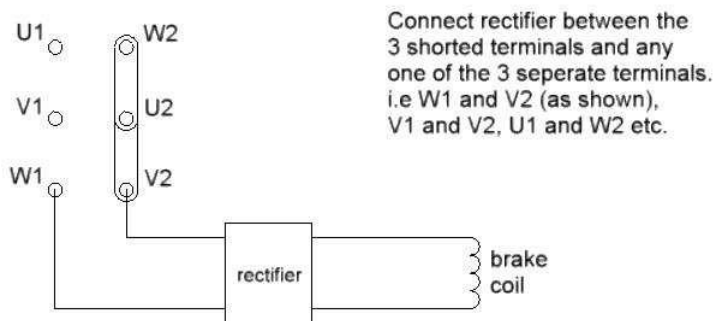
Ensure the saw is isolated. Connect the output (red and black) wires of the rectifier to your multi meter. Make sure the connections are secure. Back the saw brake off so it will not rub. Making sure everything is clear turn the saw on then measure the DC voltage out of the rectifier.

AC 208 V = Approx 90V DC

AC 230V = Approx 100V DC

AC 330V= Approx 150V DC

400v - 460v star connection on Multivoltage motors



220v - 265v delta connection on Multivoltage motors 415v delta connection on single voltage motors

