

MangoTech

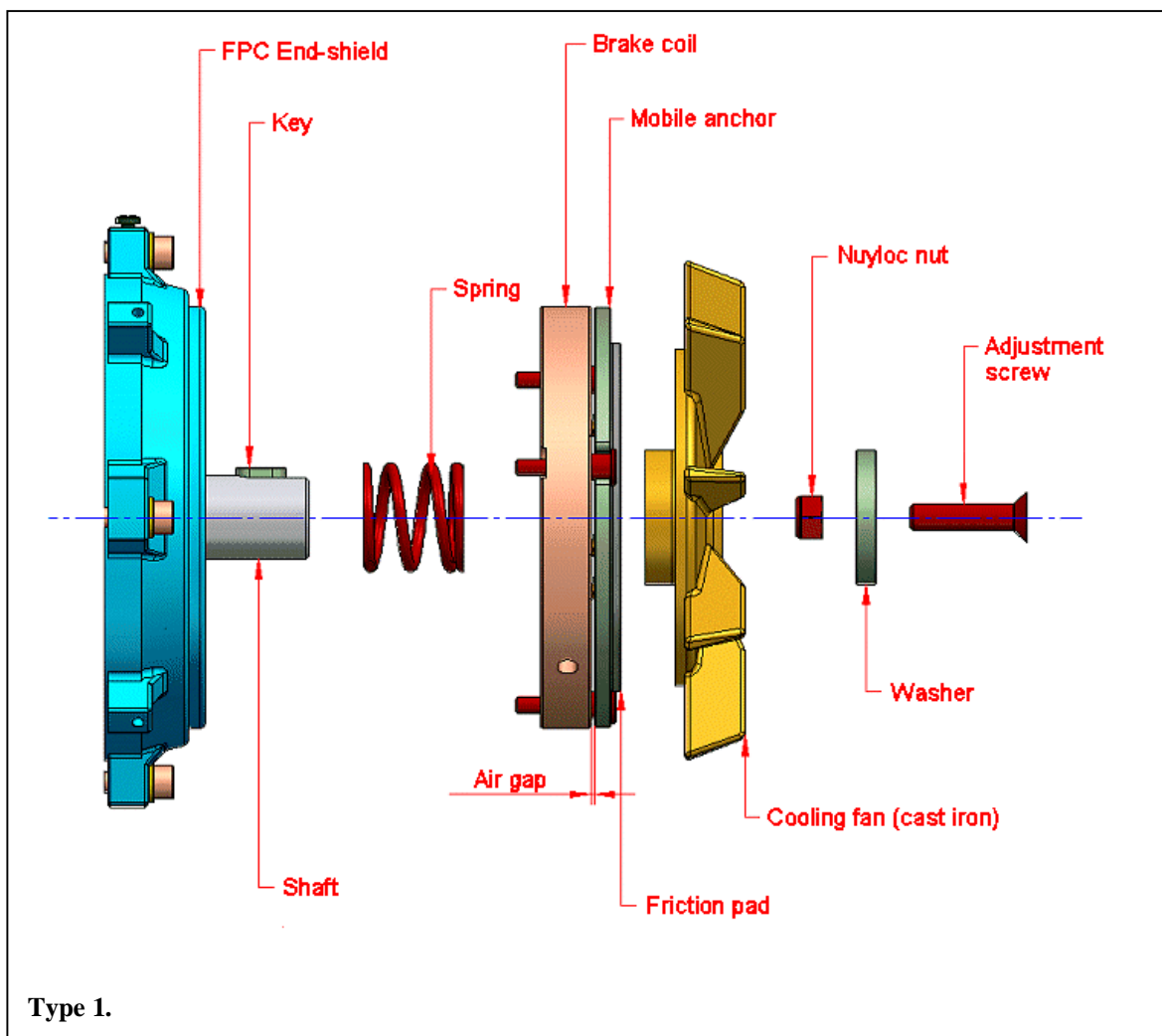
FRESH AUTOMATED SOLUTIONS

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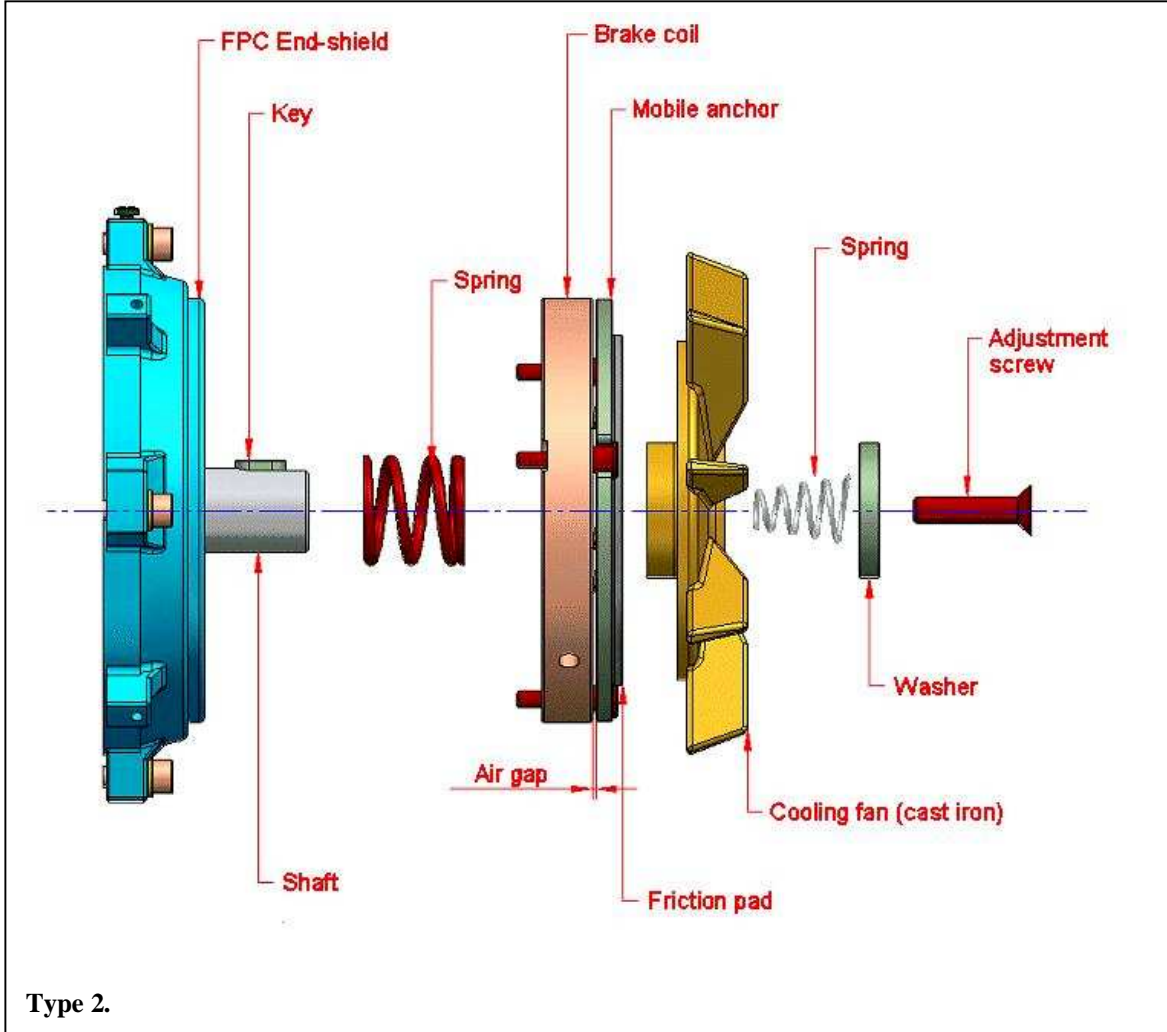
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Apollo Saw

Replacing the Saw Motor Brake and Rectifier



Type 1. motor has a nyloc nut preventing the adjustment screw from vibrating loose. This type can be identified by a hexagonal hole in the end of the motor shaft. It is good practice to replace this M6 nyloc when fitting a new brake.



Type 2. motor has a tapered coil spring preventing the adjustment screw from vibrating loose.

Safety.

Always electrically isolate the saw before carrying out any maintenance work
 All work should be carried out by a suitably qualified person.

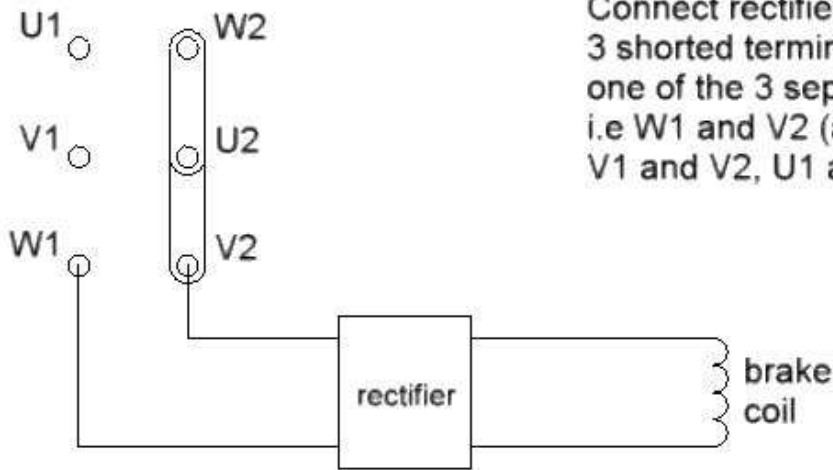
Air gap adjustment.

The air gap should be set to 0.2mm. Tighten the adjustment screw fully clockwise, but do not over-tighten. Then back off the screw anti-clockwise by 1/4 of a turn.

Rectifier.

Always replace the rectifier at the same time as replacing the brake. See the diagrams below for the correct wiring.

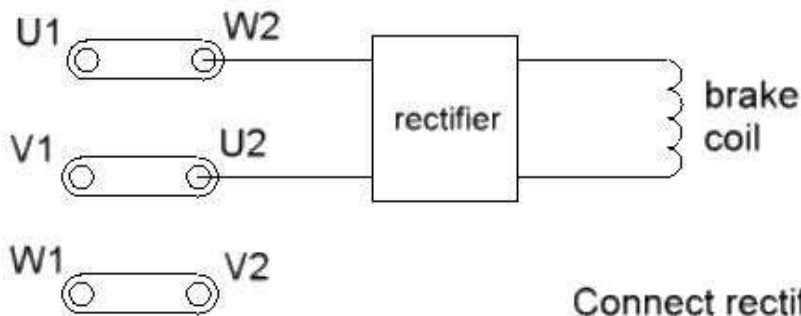
400v - 460v star connection on Multivoltage motors



Connect rectifier between the 3 shorted terminals and any one of the 3 separate terminals. i.e W1 and V2 (as shown), V1 and V2, U1 and W2 etc.

Star connection

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



Connect rectifier between any pair of shorted terminals. i.e. W2 and U2 (as shown), U2 and V2, V1 and V2 etc.

Delta connection