

Sears Craftsman 315.109020 Motor Replacement

Learn to remove your old saw motor and install a new one.

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INTRODUCTION

Is your old circular saw motor just not running well anymore? This guide will help you to remove that pesky old motor and install a new one.



TOOLS:

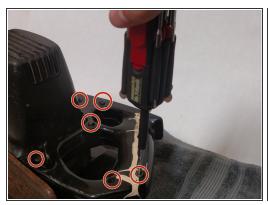
- Phillips #1 Screwdriver (1)
- Greatneck 15" Crescent Wrench (1)

Step 1 — Motor





- To ensure that you do not get grease and dirt on your table or floor, lay a towel down before you begin working.
 - The grease from the circular saw can stain your towel so a dirty towel or work rag is recommended.







- With your Phillips screwdriver, unscrew all 7 of the 20 mm screws on the handle of the circular saw.
 - (i) There is one 25 mm screw that goes in the hole circled in red.
- Unscrew the forked screw head
- Lift off the top half of the handle.

Step 3





- Unscrew the two wide-head 20 mm screws holding the remaining half of the handle to the motor.
- Remove the remaining half of the handle from the motor by lifting it over the screw that is keeping it in place.

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- Using a crescent wrench, unscrew the hex washer head screw that is holding the blade in place.
- Lift the blade over the internally threaded screw and pull it off of the saw.
 - (i) If the hex washer head screw rotates but does not loosen or if the whole blade rotates as you turn your wrench, giving the wrench a quick jerk should loosen the screw.

Step 5





- Remove the blade cover by applying upward pressure until it unsnaps from the washer.
- The blade cover will come off easier if it is facing away from the rest of the saw (see second picture).





- Unscrew the 70 mm screw that is inside the black tube (see first picture).
- Unscrew the five screws as highlighted in the second picture. The bottom left is a 70 mm screw and the other four are 20 mm screws.
 - (i) Unscrewing the remaining four 20 mm screws are unnecessary unless you wish to repair or replace the cogs in the saw.





 The motor will now be loose and you should be able to twist the motor in a counter-clockwise direction until it is able to be pulled off.

To reassemble your device, follow these instructions in reverse order.