



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.

Step 2



- With your Phillips screwdriver, unscrew all 7 of the 20 mm screws on the handle of the circular saw.
 - 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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Step 4



- 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.
- *i* The blade cover will come off easier if it is facing away from the rest of the saw (see second picture).

Step 6



- 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.
- *Unscrewing the remaining four 20 mm screws are unnecessary unless you wish to repair or replace the cogs in the saw.*

Step 7



- 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.