



# Ridgid Angle Grinder R10202 Wiring Assembly Replacement

How to replace a Ridgid Angle Grinder R10202 Disk Guard Spring wiring assembly.

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## INTRODUCTION

This guide is a step-by-step process showing how to get to and remove the wiring harness within the handle of this grinder. This may be helpful in determining an issue with powering the device or replacing faulty wiring. As you work though this guide you will notice number following capitalized parts. These are the key numbers from the visual diagram provided within the Technical Description/Device Page under Additional Information, labeled 'Parts Page and Wiring Diagram.' Steps 1 through 3 are not necessary for this task although they make it easier to work with the tool.

### TOOLS:

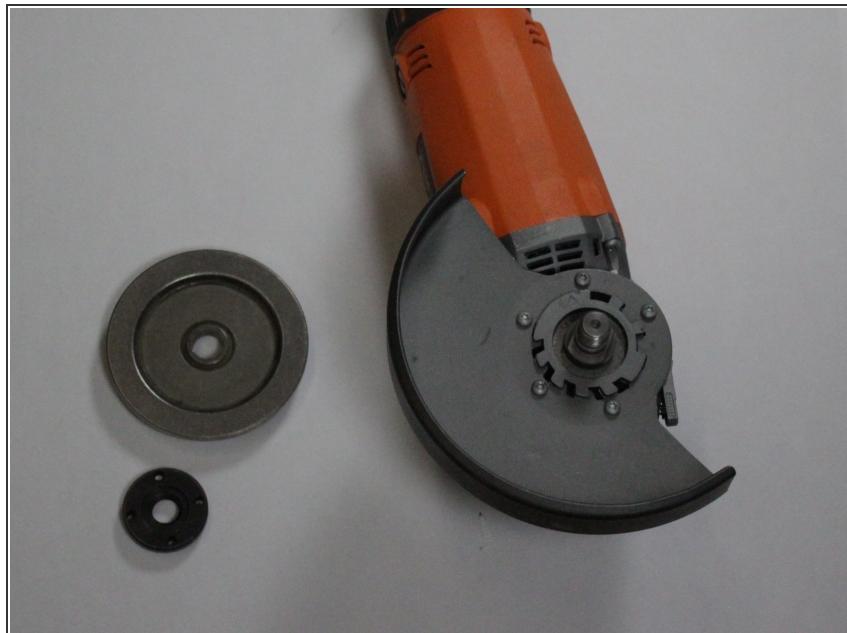
- [T20 Torx Screwdriver](#) (1)
- [T10 Torx Screwdriver](#) (1)

## Step 1 — Wiring Assembly



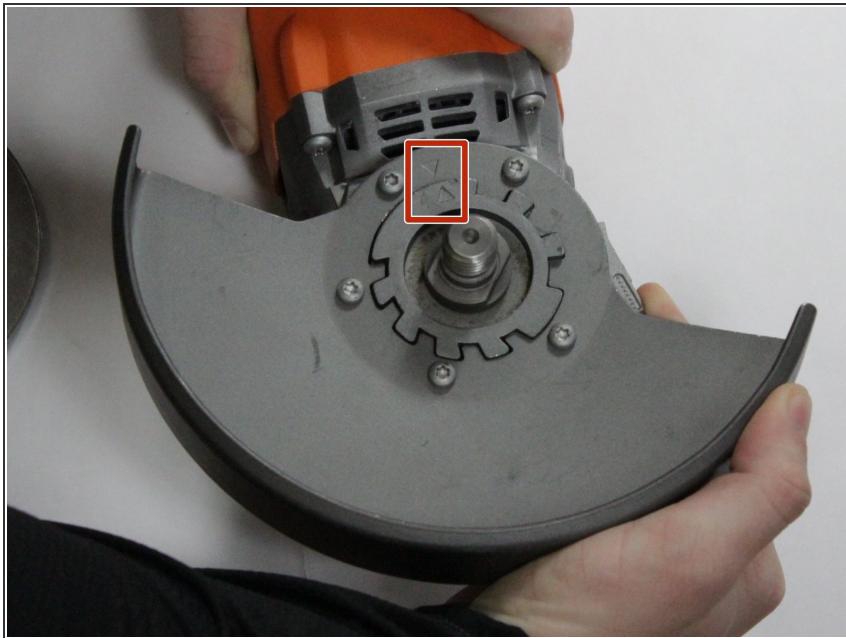
- Take hold of the Side Assembly Handle [8] and unscrew to detach from the grinder.

## Step 2



- To get to the guard, unscrew and remove the Clamp Nut [34], Grinding Wheel (not pictured) [35], and Backing Flange [36].

## Step 3



- To remove the Guard [38], press and hold the Guard Lever [39] and rotate the head to line up the two arrows inlayed within the metal as seen in the photograph provided.
- Once the arrows line up lift the Guard [38] from the grinder.

## Step 4



- Use TORX T20 Screwdriver to unscrew and remove 5 M5 x 16 mm, TORX Screws [28].
- Use TORX T20 Screwdriver to unscrew and remove 1 M5 x 28 mm, TORX Screw [1].
- Use TORX T10 Screwdriver to unscrew and remove 1 M3 x 10 mm Screw [26].

## Step 5



- You should now be able to separate each side of the Handle Assembly [27] as seen in the first photograph.
- Remove the side that should easily separate from the other.

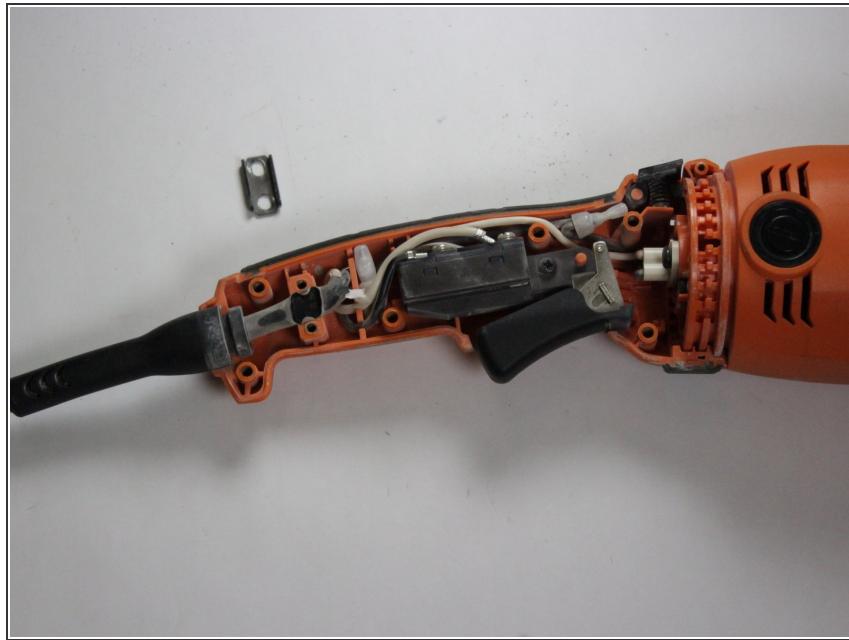
*(i)* One side will remain as seen in the second picture as it is still screwed in.

## Step 6



- Use a Hex Screwdriver to unscrew and remove the 2 8-16 x 1/2 in. Screws [29].

## Step 7



- The Cord Clamp [30] should be easily removed as seen separated from the Power Cord [32].

## Step 8



- Use a screwdriver to unscrew and remove 1 M4 x 14 mm Screw [23].

## Step 9



- The whole wiring assembly should be able to be lifted out of where it currently is as seen in the first photograph.
- *(i)* Allow the wiring assembly to hang from the grinder as seen in the second picture.
- Press and hold the Handle Lock Button [24] to release the second side of the Handle Assembly [27].

## Step 10



- Use screwdriver to unscrew 4 M3.5 x 7 mm Screws [22].
- *(i)* The Switch [21], Power Cord [32], and Motor Housing [11] should now all be separated as seen in the third photograph.

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