



# How to Dewalt Rotary Drill D25104 type 2

I have a broken drill , we will try to find out...

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# INTRODUCTION

I have a broken drill , we will try to find out what the problem is, You will see how we take this drill apart en check out the components and parts.

## TOOLS:

Tournevis cruciforme #00 (1)

6-in-1 Screwdriver (1)

Tournevis Torx Security TR9 (1)

Multimètre numérique (1)

## Step 1 — checking power



- first of all we will check the power.
- plug your drill into a power outlet and try it.
- If the machine wants to start but immediately shuts down , there is a chance the brushes needs to be replaced.
- If no power comes up ( like mine) you have to check the power cord first

## Step 2 — removing plastic handframe



- remove the 2 flathead/ torx screws holding the plastic frame at the bottom.
- remove the flathead/torx screw at the upper side of the frame.
- slide the frame to the right.



### Step 3 — checking power cord



- check the brown and blue wire with a multimeter.
- put the red probe from the multimeter on the brown cable and ( copper head)and the black probe of the multimeter on the blue wire ( copper head)
- if you measure 230 V it should be ok ( in Europe it is 230 V.. i think in the US it would be 110V ...)

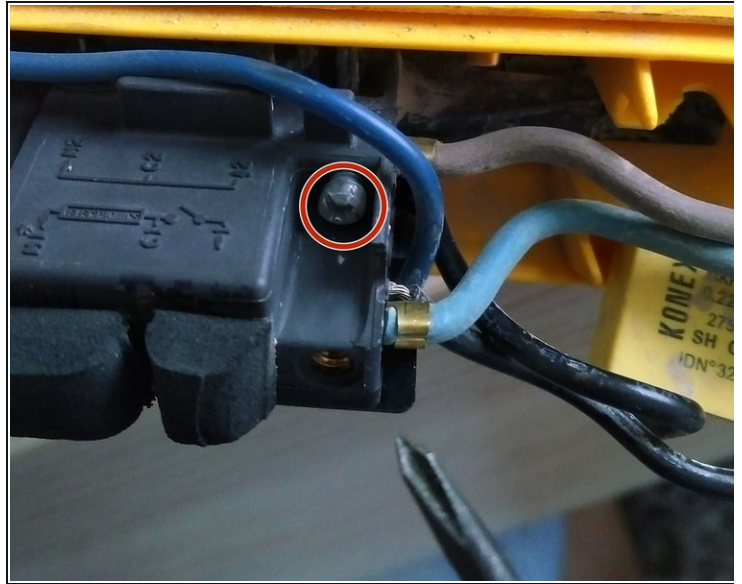
⚠ be sure you put the multimeter in AC V mode and not in DC.

### Step 4 — removing power cable.



- Remove power cable by removing the 2 flathead/torx screws.
- be gently and careful with the condensator. ( yellow "briwk" with the 2 black small wires.

## Step 5 — remove cable



- remove the 2 small screws holding the brown and blue powerwires.

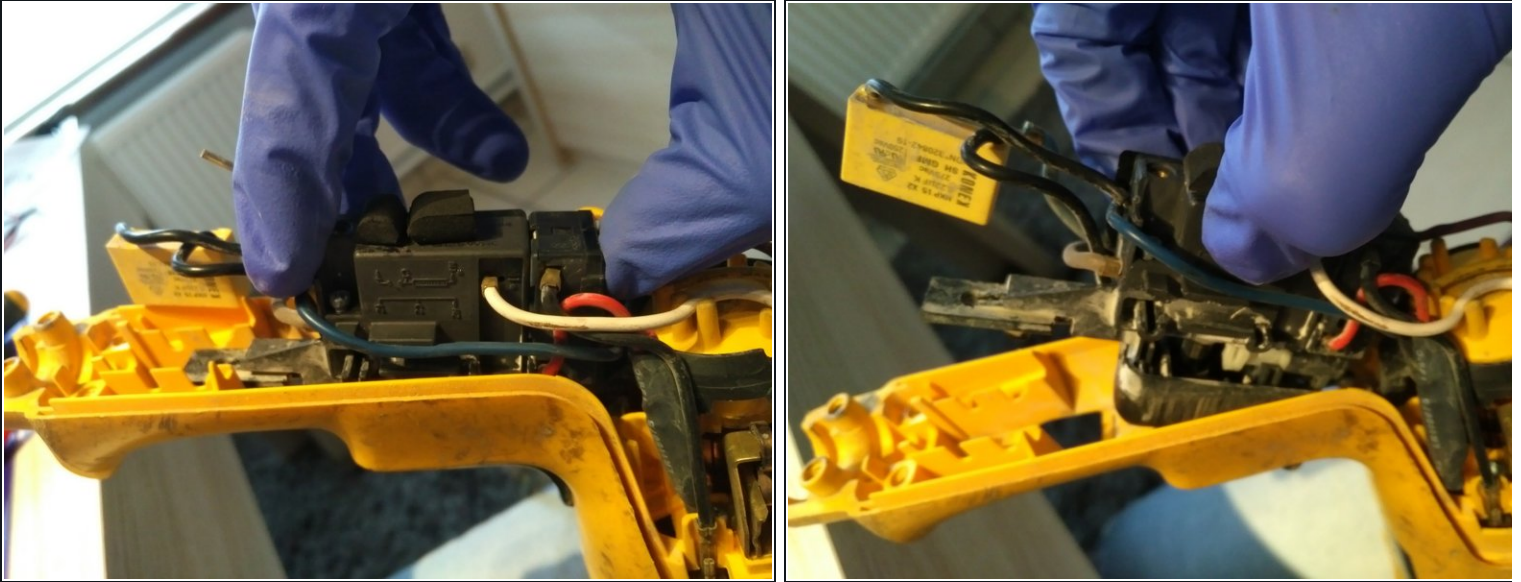
## Step 6



- check for bad connections. ( in this case you will see one bad connection from the condenser )



## Step 7



- pull out the switch to check the connections and measure out the switch.
- how more powerfull the motor , the more likely a bad switch is.
- ① when reassemble the switch/machine : under the switch there is a plastic pin , that has to fit in a gap from the "forward, reverse) switch

## Step 8 — checking and renewing brushes



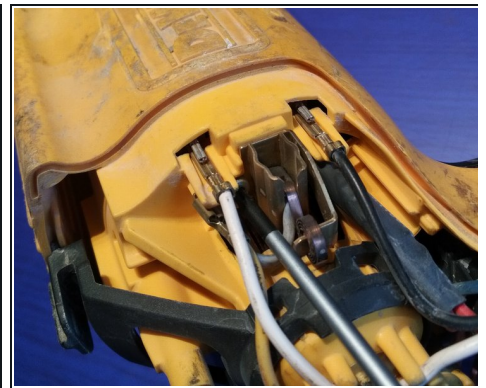
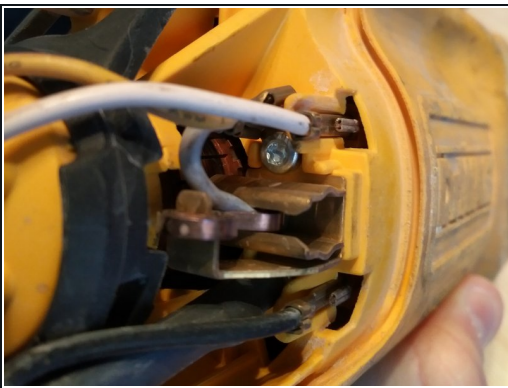
- remove the 2 swal torx (t9) screws , holding the brush head.

## Step 9 — checking and renewing brushes



- when replacing : push the brush in the head ; click the wire on the right place and put it back. sometimes you will need to push the brush in place.

## Step 10 — checking and renewing brush 2nd



- remove 1 torx ('t9) screw to remove the brush head.



## Step 11 — detailed view



- Insert wisdom here.

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