



# Power Drill

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## INTRODUCTION



### Dismantling and Recycling Centre (DRZ)

Katharina Lenz, Vienna / Austria

#### Health & Safety

Dismantling doesn't include any harmful steps. Nonetheless workers should wear personal protection equipment like gloves, goggles, apron and robust shoes.

**Note:** This is a general guide for most power drills. As the construction can differ, the dismantling steps mentioned below can vary in their order. However, the described steps show what parts the removal should focus on.



#### TOOLS:

- [Several screwdrivers \(T1\)](#) (1)
- [Flathead Screwdriver \(T2\)](#) (1)
- [Side cutter \(T4\)](#) (1)
- [Hammer \(T3\)](#) (1)
- [Industrial scale \(T9\)](#) (1)
- [Industrial Scissors \(T6\)](#) (1)
- [Pipe Wrench](#) (1)

## Step 1 — Power Drill



- Cut off the power cable.

## Step 2



- Unscrew and pry open the case.

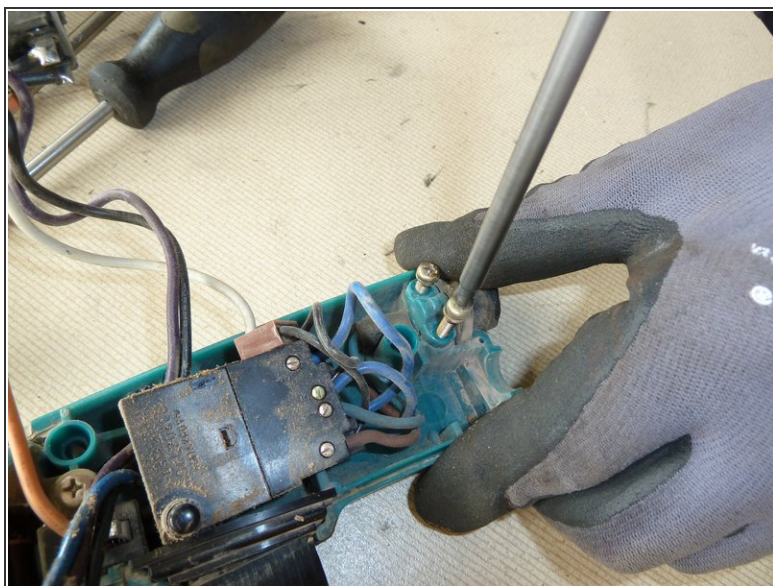


### Step 3



- Unscrew the motor and take it off.

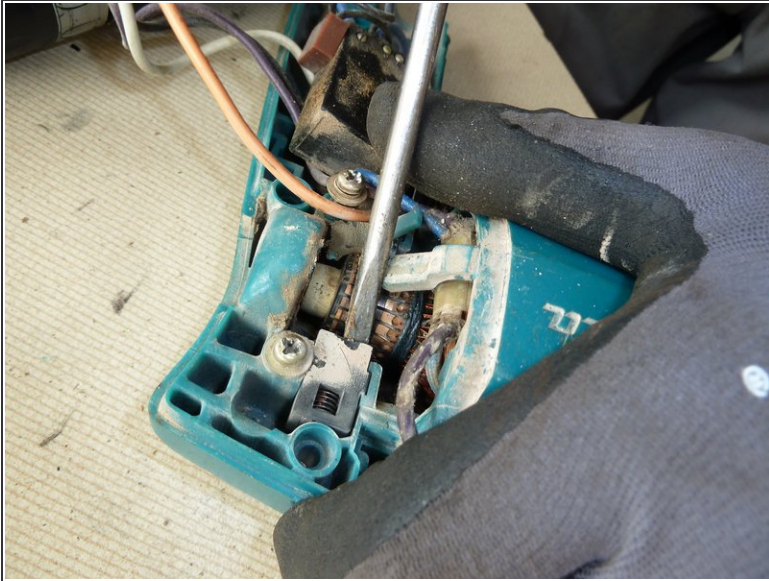
### Step 4



- Pry open the case.
- Unscrew the cable.

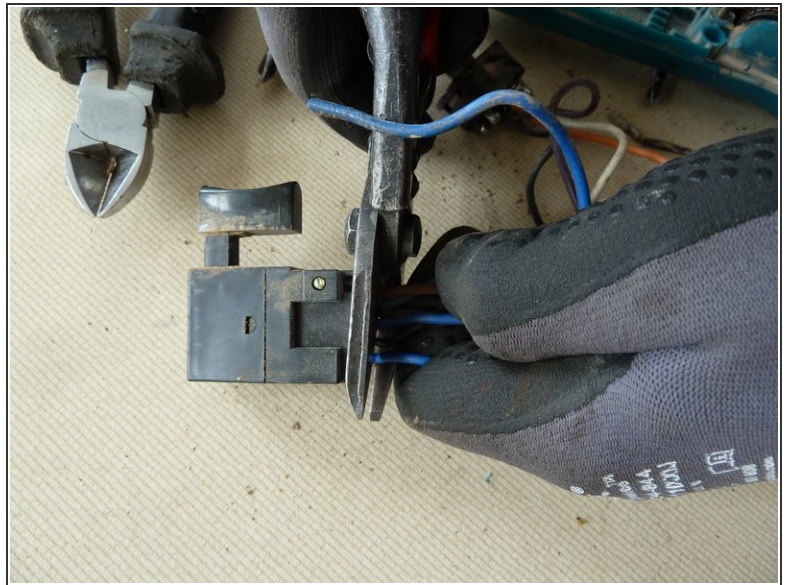


## Step 5



- Unscrew and remove the coal brush.
- Cut the cables.

## Step 6



- Remove the switch and cut its cables.

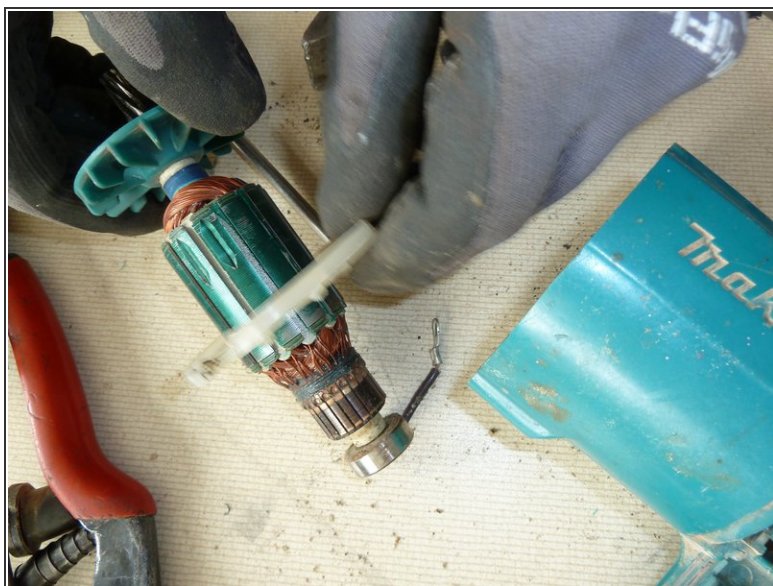


## Step 7



- Remove the capacitor.
- Hammer off the gear.

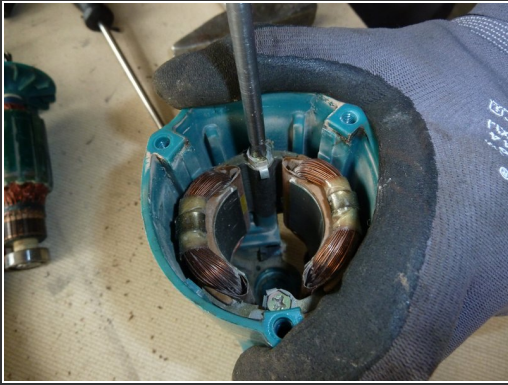
## Step 8



- Open the motor case.
- Open the rotor.

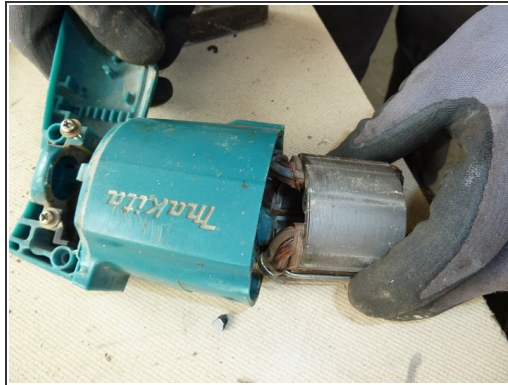
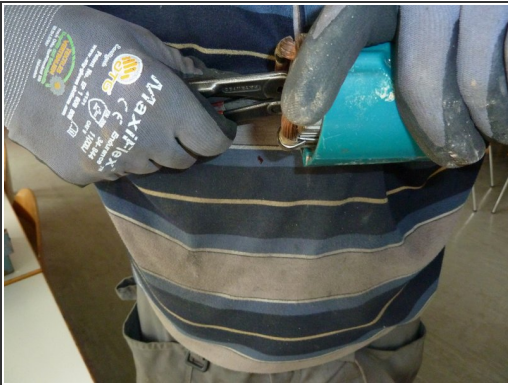


## Step 9



- Unscrew the stator.
- Remove the motor.

## Step 10



- Remove the motor.

## Step 11



- Separate the remaining materials according to their type and go on with the appropriate data sheet (e.g. aluminium, ferrous metals, plastic, further PWBs, etc.).
- Make sure the plastic parts are completely free of metal pieces.