



Dish Washing Machine

Written By: Elisabeth Herbeck



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 dish washing machines. 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)
- [Hammer \(T3\)](#) (1)
- [Side cutter \(T4\)](#) (1)
- [Cutter \(T7\)](#) (1)
- [Pliers \(T5\)](#) (1)
- [Power Screw Driver \(T8\)](#) (1)
- [Industrial Scissors \(T6\)](#) (1)
- [Pipe Wrench](#) (1)
- [Socket Wrench set](#) (1)
- [Industrial scale \(T9\)](#) (1)

Step 1 — How to disassemble dish washing machines



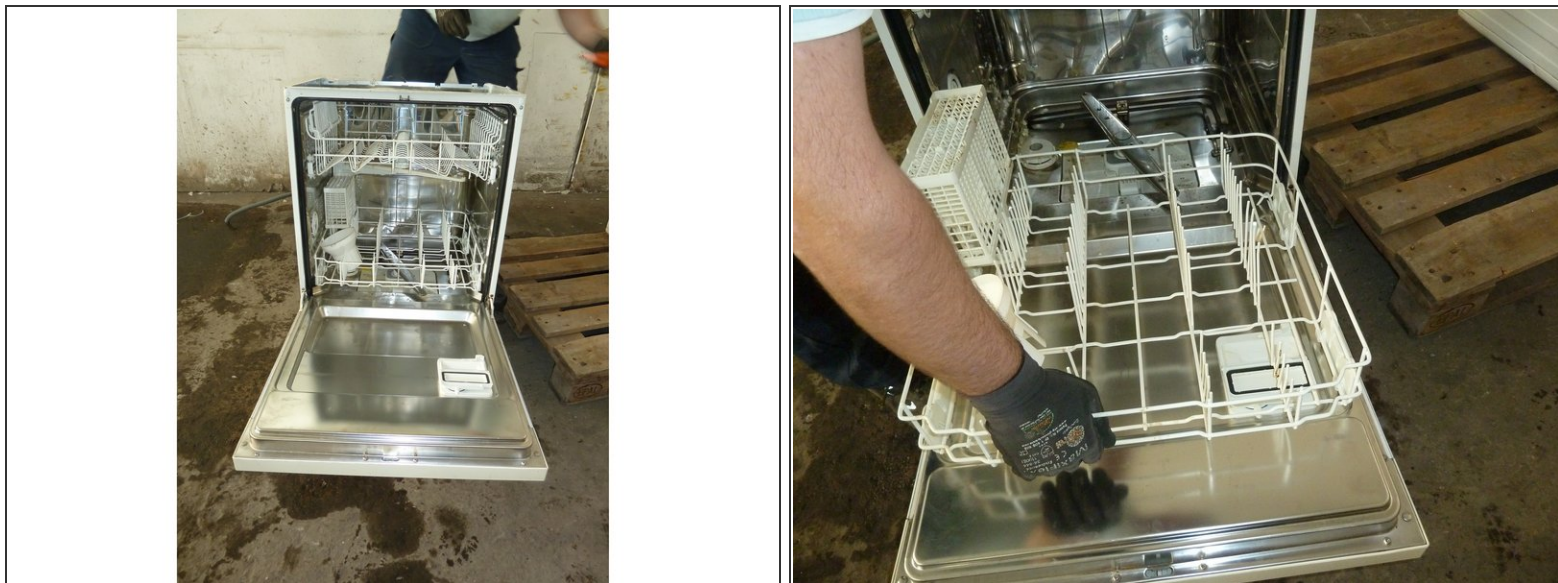
- Cut off the power supply cable, dispose of the plug separately (mixed waste).

Step 2



- Cut off the water hose (careful – it might still contain water!).

Step 3



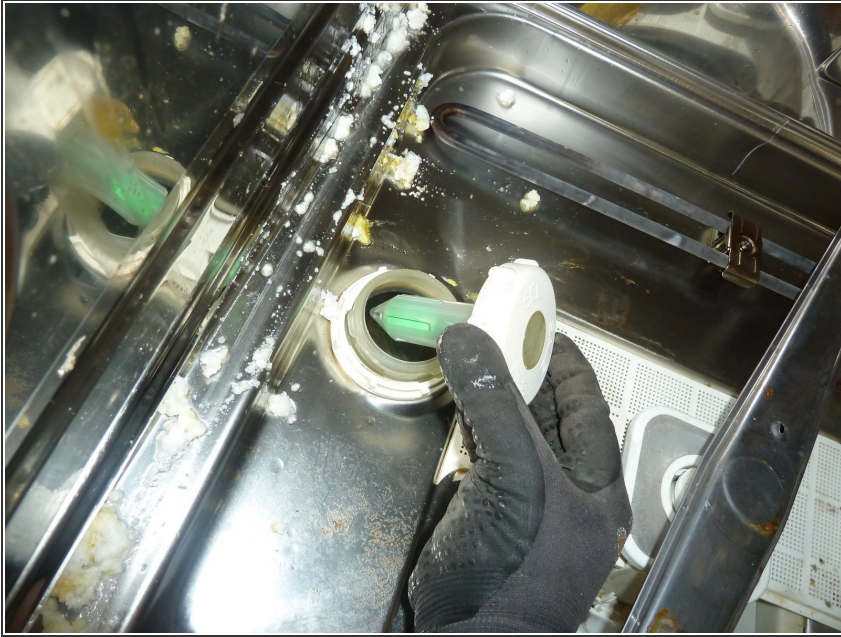
- Open the front door and remove the lower dish tray.

Step 4



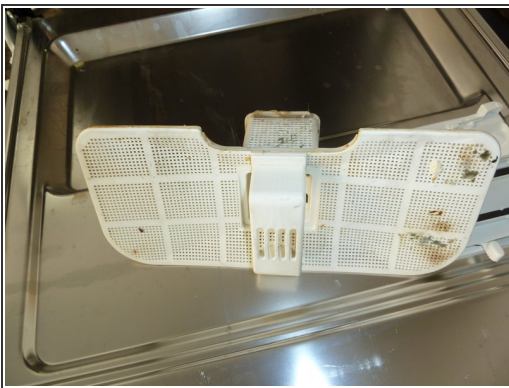
- Remove the upper dish tray. Unscrew the water dispenser. Unclip the plastic fixture.

Step 5



- Remove the rinse agent container.

Step 6



- Remove plastic filters. Unscrew further filter parts. Remove the water dispenser arm. Pull out the fixture.

Step 7



- Pull out the fixture. Unscrew the next fixture parts.

Step 8



- Unscrew the rails for the dish trays.

Step 9



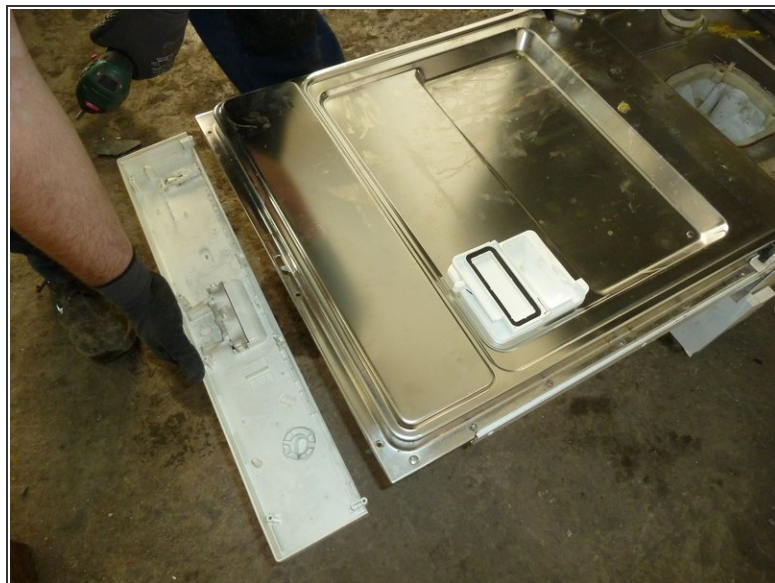
- Unscrew and remove any remaining plastic parts in the interior e.g. the valve cover.

Step 10



- Remove plastic parts such as the injection nozzle with a large screwdriver.

Step 11



- Unscrew the stainless steel interior door panel. Remove the front panel.

Step 12



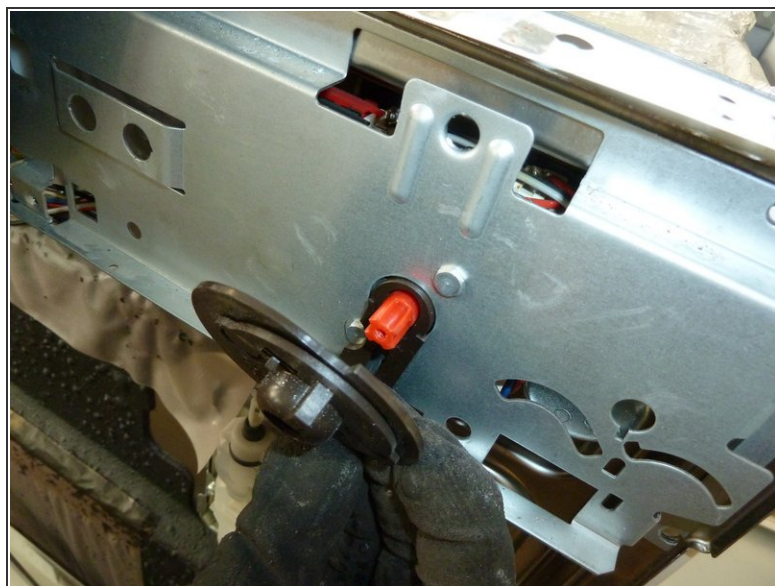
- Unscrew the remaining front door panel from the outside. Remove any plastic parts protecting the door hinges.

Step 13



- Pry off the internal stainless steel sheet. Remove the front sheet and any insulating materials.

Step 14



- Unscrew and remove the program knob.

Step 15



- Unscrew the dish washing agent dispenser on the outer side of the door.

Step 16



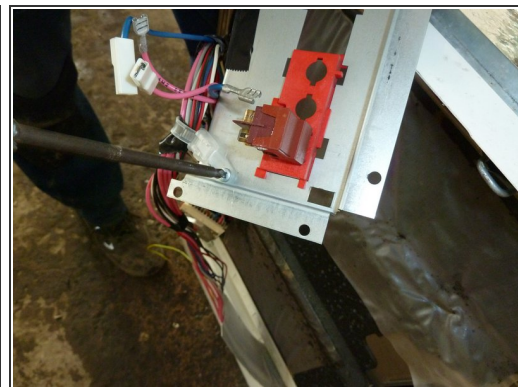
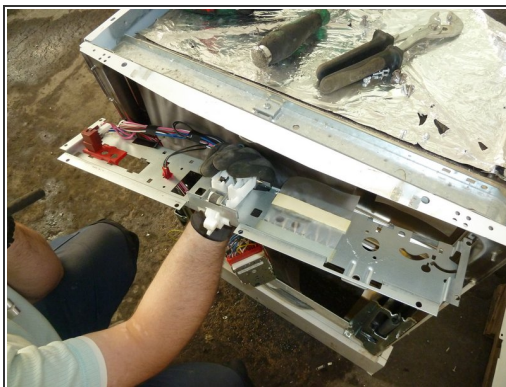
- Remove the tray for washing agent on the inside of the door.

Step 17



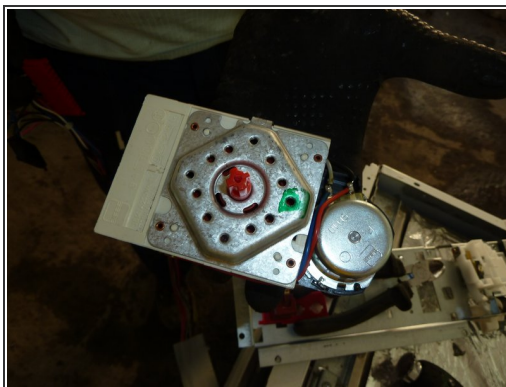
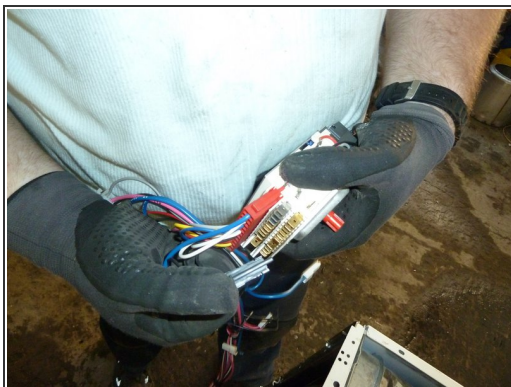
- Unscrew the door hinges. Remove the hinges with the springs.

Step 18



- Unscrew the front panel.
- Remove the front panel.
- Clip off and remove the cables wherever possible.

Step 19



- Remove all parts from the front panel. Undo the door lock.

Step 20



- Pry off the plastic part of the front panel.

Step 21



- Remove the front door.

Step 22



- Peel off the rubber seal.

Step 23



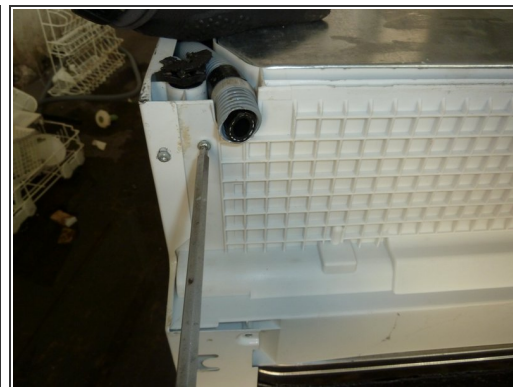
- Remove the screws from the case.

Step 24



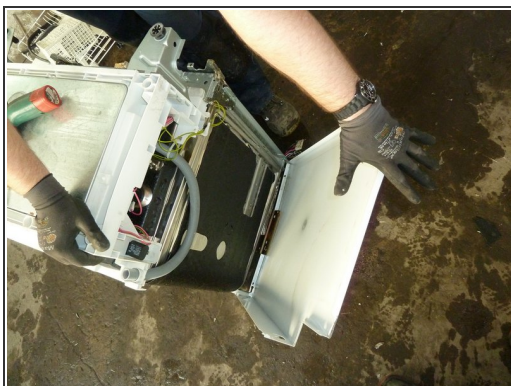
- Turn the dishwasher upside down.

Step 25



- Remove the screws on the bottom (now top) front side.
- Remove the screws on the back side.

Step 26



- Bend open the side of the case.
- Remove the screws from the mounting bracket.
- Remove the mounting bracket.

Step 27



- Pry open the back cover.
- Remove the back cover.

Step 28



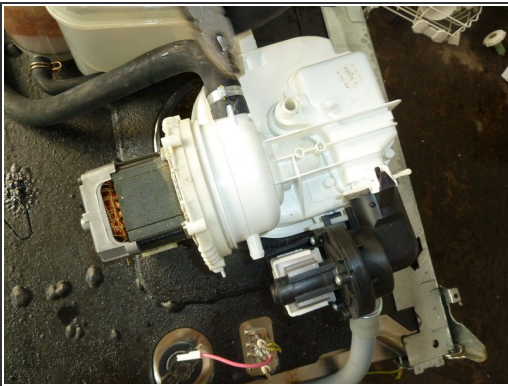
- Disconnect the hoses.
- Remove the hoses.

Step 29



- Take off the plastic frame.

Step 30



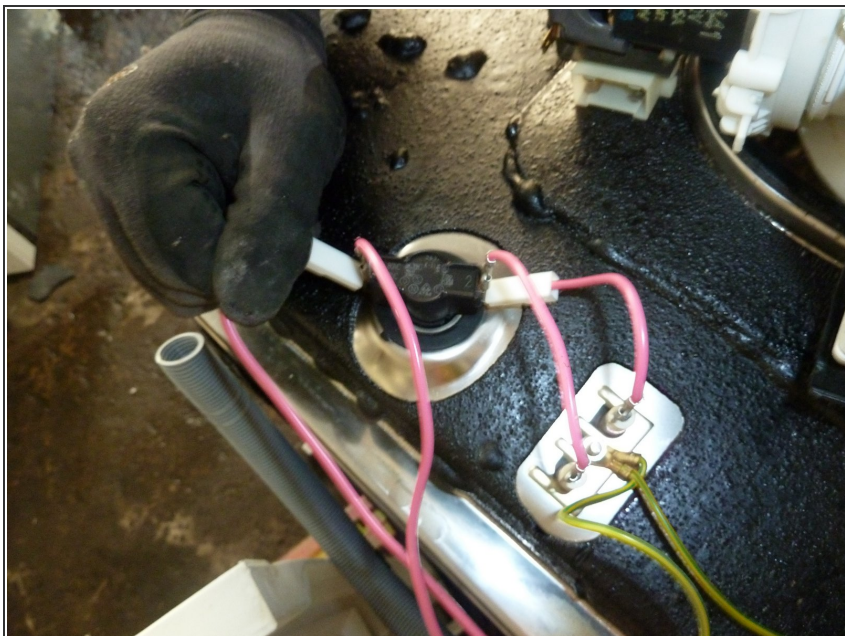
- Disconnect the hoses from the motor.
- Take the motor out of its housing.

Step 31



- Remove the water pump.
- Take the coil assembly out of the water pump.
- Separate the coils from the iron core.

Step 32



- Disconnect all the wires.

Step 33



- Remove the capacitor.

Step 34



- Peel off the rubber seal.

Step 35



- Remove all the plastic parts.

Step 36



- 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.