

UNBLACK THE BOX!

WHAT ARE THE COMPONENTS IN YOUR PHONE?



Dare to crack the mobile phone open.
Be creative.

Use the mobile phones provided in
the workshop only.

Check if the battery is empty by trying
to switch on the phone.



Do not start disassembling when the
battery is charged.

Don't screw around with a private
mobile phone.

Don't give up until you've tried different
options.

hair dryer

The hair dryer helps
you with sticky areas.

suction cup

The suction cup helps
you to lift the screen.

magnetic screw mat

You can use the magnetic
mat to collect the small
screws.



lever tool

Use this to loosen and open
stuck areas. If the glue does not
come off, blow it out with a hair
dryer.

lever tool

This tool also helps you
to prise open parts of
the unit.

screwdriver

Use a suitable 0.8 mm
screwdriver to open the star-
shaped screws.

Did you know?

From the EU to the US, new
laws are being developed
to promote the "right to
repair" and reduce waste.

Need your phone repaired?
Check out [iFixit](#) for
instructions on
how to fix it.



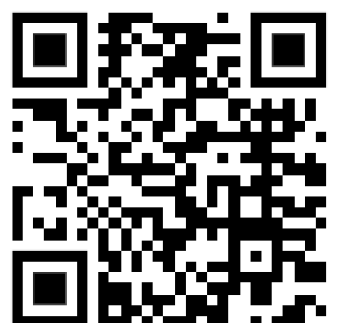
The number of [repair cafés](#)
continues to grow steadily.
There are already
more than 400
around the world.



Collect old phones and
donate them e.g. to
the [Jane Goodall](#)
Institute.



HOW TO DISASSEMBLE A SMARTPHONE!



1. Get ready.

First read through the Do's and Don'ts. Prepare the tools you need. Make sure you have enough space and prepare a magnetic screwdriver mat on which you can collect the small parts. Choose a phone that you want to disassemble.

2. Examine the smartphone.

Remove all superficial things such as the phone cover or the protective film.

3. Use tools for disassembling the phone.

Try to find the SIM card and the battery. Use the tools shown to remove them. Try out which screwdrivers you need to open the phone.

4. Open the phone.

Attach the suction cup to the display or the back of the phone. Lift the suction cup firmly. In addition, use the lever tools by pushing them between the housing and the display of the phone.

5. Screws, screws, screws ...

Find the right screwdrivers to unscrew as many
parts inside your phone as possible.

GOOD LUCK!!!



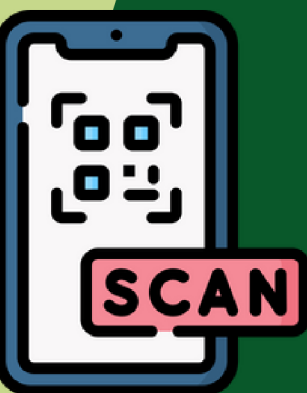
WHAT ARE THE COMPONENTS IN YOUR PHONE?



Disassembling a Fairphone



Fairphone
Urban
Mining



video



Look at the phone parts
and try to name them.
What parts of a phone
can you identify?

