

Reuse and Repair

or

(why and how to keep using our stuff!)

Stacy Ludington



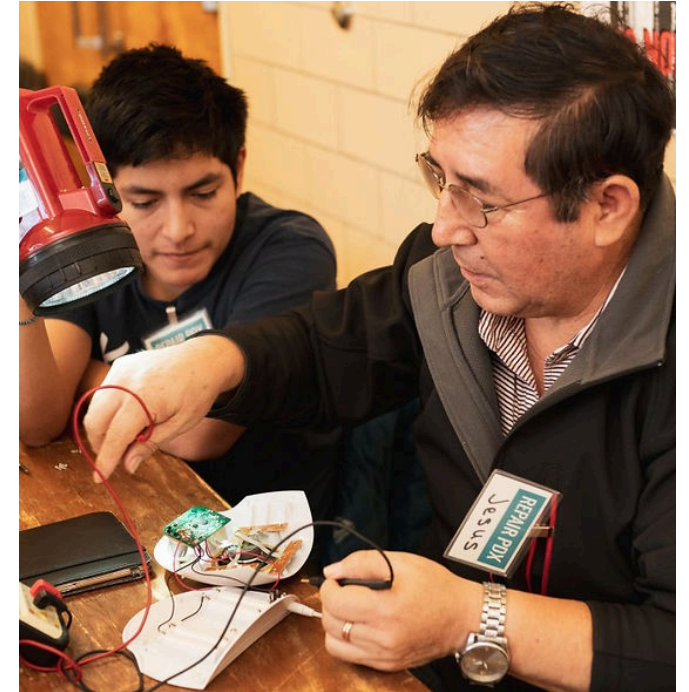


What is your repair story?

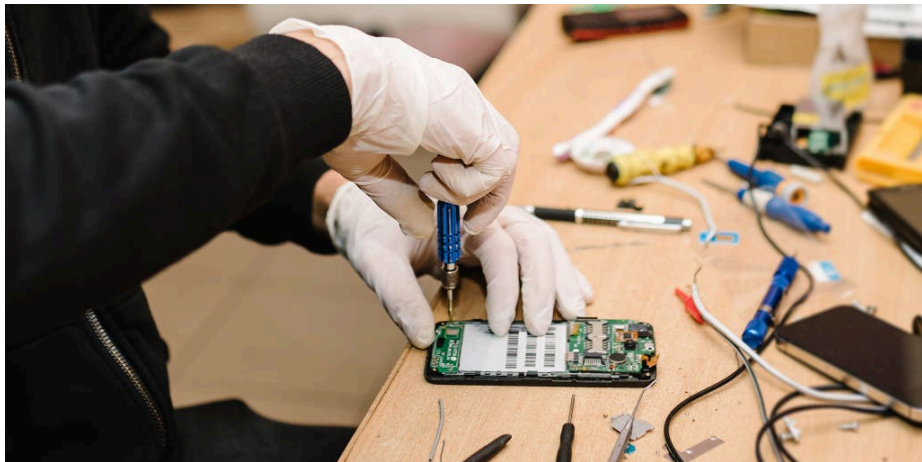


What do you fix at home?

Have you ever tried fixing something and not been successful?



Have you ever thrown away something that was broken?



PLANNED OBSOLESCENCE...

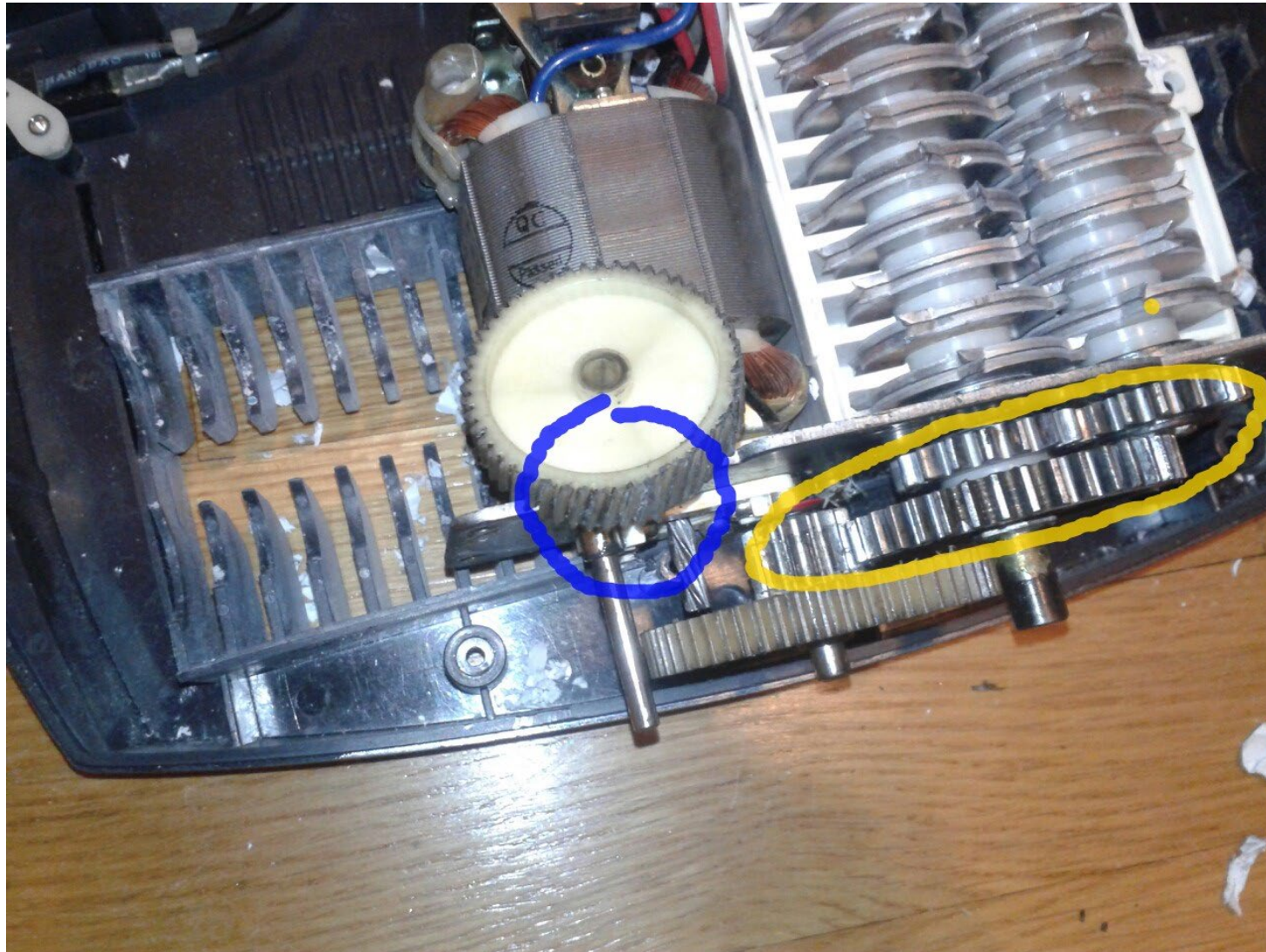
WHAT IS PLANNED
OBSOLESCENCE?

IT'S WHEN A
COMPANY DESIGNS
A PRODUCT TO
FAIL, SO WE HAVE
TO BUY A NEW ONE!

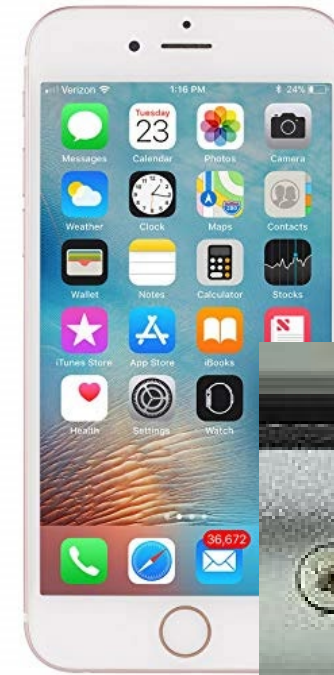
HOW DO
THEY DO
THAT?

Contrived Durability

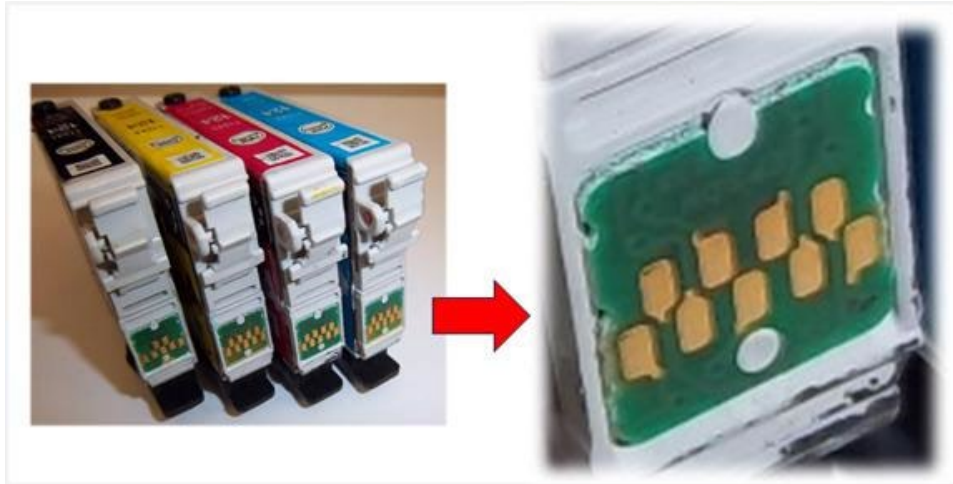
Design products to break quickly



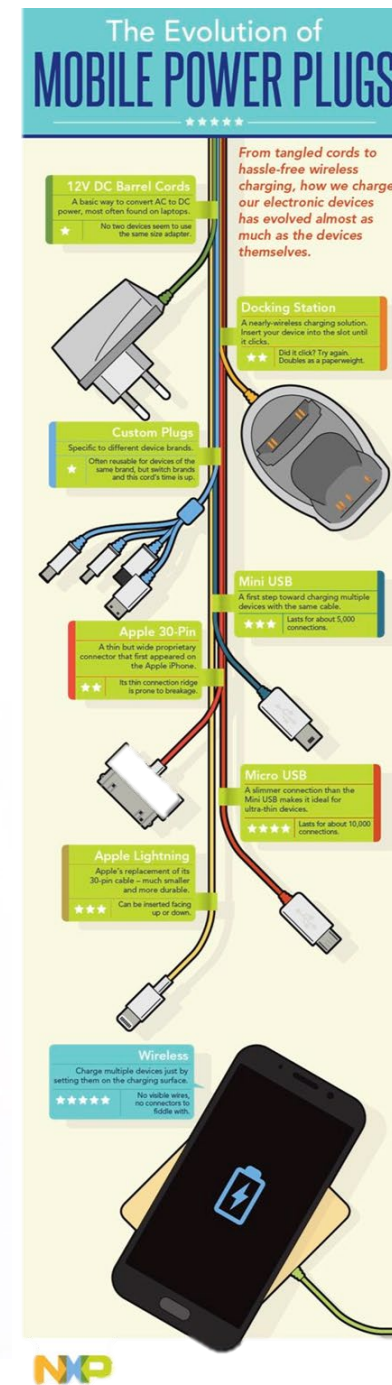
Prevention of Repairs



Systemic and Programmed Obsolescence



Making a product obsolete by changing the system in which it is used so that its continued use is difficult



Stylistic Obsolescence



The Clothing Industry



THE AVERAGE
CONSUMER BUYS
60% MORE
CLOTHING
PER YEAR
THAN 15 YEARS AGO



... and keeps it only half as long.

**WORLDWIDE CLOTHING
PRODUCTION
DOUBLED
BETWEEN
2000 AND
2014**



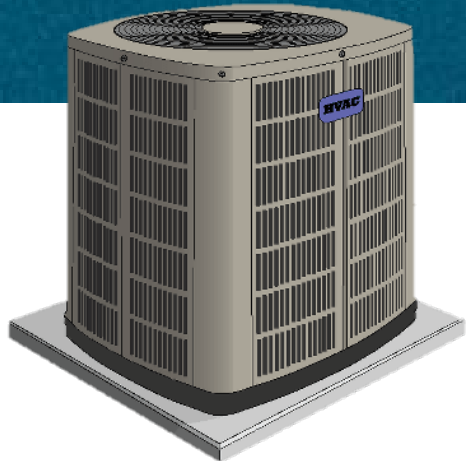
By 2014, the number of garments exceeded 100 billion.



Americans
throw away
over 32
billion
pounds of
textiles each
year.

REPAIR

REPLACE



**KEEP
CALM
I HAVE
GOOD
NEWS**

RIGHT TO REPAIR UPDATE

A MOVEMENT GAINING MOMENTUM

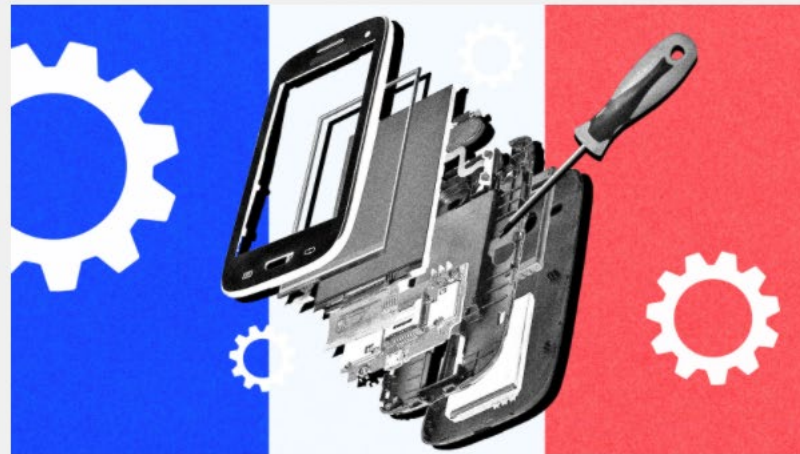


1. Products should be designed so repairs are easy.
2. Users and independent repair providers should have access to original spare parts and tools (including software).
3. Repairs should be possible and not hindered by software programming.
4. How repairable an item is should be communicated by the manufacturer.

Grist

Why France's new 'repairability index' is a big deal

A new law in France aims to help keep smartphones out of the dump. It also has global implications.



Grist / Yomka / Getty Images


Subscribe to *The Burning Issue*, a new weekly wildfire newsletter from Grist, available for a limited time.

Feb 08, 2021

Climate + Technology



Our electronic devices take a serious environmental toll, and one of the best ways to mitigate that is to use them for as long as possible before replacing them. But it's hard to know how long a

 **7,0**
/10

INDICE DE RÉPARABILITÉ




INDICE DE RÉPARABILITÉ
SMARTPHONE

**Smartphone Wiko
VIEW 4 (v830)**

Marque Wiko

Référence
du
modèle
VIEW 4 (v830)

Date du
calcul
09/12/2021

 **7,1**
/10

INDICE DE RÉPARABILITÉ



INDICE DE RÉPARABILITÉ
SMARTPHONE

**Smartphone Wiko
VIEW 3 (P311)**

Marque Wiko

Référence
du
modèle
VIEW 3 (P311)

Date du
calcul
09/12/2021

 **8,1**
/10

INDICE DE RÉPARABILITÉ



INDICE DE RÉPARABILITÉ
SMARTPHONE

**Smartphone
SAMSUNG GALAXY
S20FE**

Marque SAMSUNG

Référence
du
modèle
SM-G780F

Date du
calcul
30/11/2020

 **8,7**
/10

INDICE DE RÉPARABILITÉ



INDICE DE RÉPARABILITÉ
SMARTPHONE

**Smartphone Fairphone
FP3+**

Marque Fairphone

Référence
du
modèle
FP3

Date du
calcul
18/01/2021

Consumers Want Fixable Tech

On behalf of Samsung, OpinionWay investigated how the French reparability index has influenced consumer attitudes and behaviour since its introduction January 1, 2021.

Key findings:

- **83%** say that they try to repair or have repaired their faulty devices instead of replacing them immediately.
- **54%** of those try to fix it themselves or with help from friends/family.
- Only **29%** leave the repair to a professional service.
- **71%** of French have heard about the index.
- **80%** of >50 y/o, but only **52%** of 18-25 y/o have heard about it.
- **86%** say that the index impacts their purchasing behaviour.
- **80%** would even give up their favorite brand for a more repairable product.

Regulation & compliance

EU Right to Repair Laws One Step Closer: Provisional Agreement Reached

Fergal Duggan , Tracey Bischofberger and Emerald Hockley >

Provisional agreement on the text of the proposed Right to Repair Directive was reached by European Union institutions on 1 February 2024. Read on for an overview of what this means for producers, retailers, repairers and other actors in the supply chain, alongside a summary of next steps.

posted on 5 February 2024

The Right to Repair Directive (the **Directive**) forms part of a larger environmental initiative aiming to extend a product's life cycle and support a circular economy. In short, it will establish a new right to repair obligation on producers to repair products covered by a number of ecodesign regulations. It also will amend the existing rules on legal guarantees under the Sale of Goods Directive to extend the legal guarantee by 12 months where a consumer chooses a repair over a replacement, alongside other

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Before I Can Fix This Tractor, We Have to Fix Copyright Law

BY KYLE WIENS

JAN 13, 2016 • 8:57 AM



Tammie Jo Shults, who calmly landed Southwest Flight 1380, broke barriers as a fighter pilot



Attention women: Your choice of blood pressure medicine may affect your risk of pancreatic...



East Bay fault is 'tectonic bomb,' more data from Andreas, new study

BUSINESS

LA TIMES

Those stickers warning that repairs will void your warranty are nonsense, FTC says



By WASHINGTON POST
APR 11, 2018 | 8:45 AM



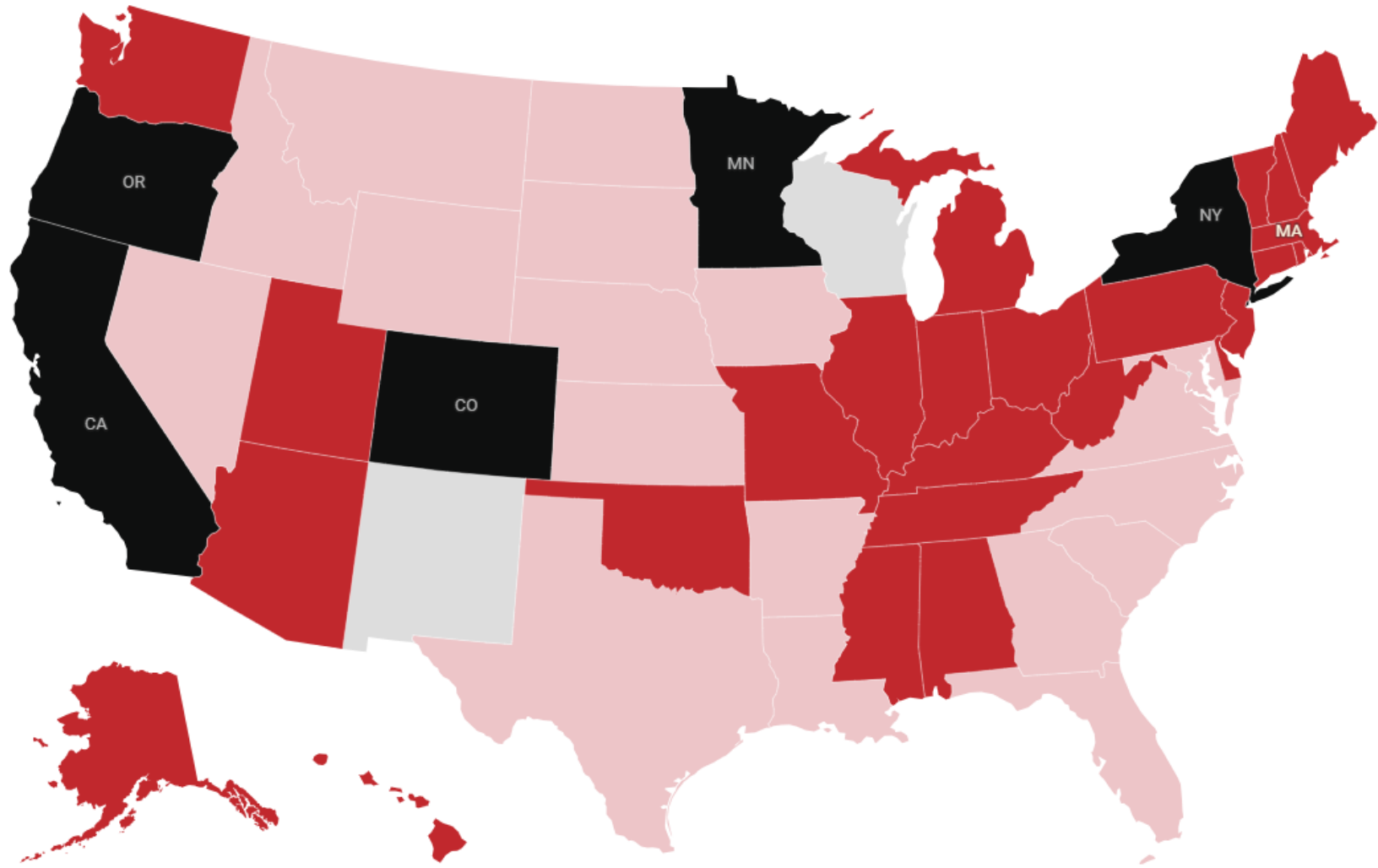


FTC ✓
@FTC



If you're told that your warranty was voided or that it will be voided because of independent repair, we want to hear about it. Report it to the FTC at [ReportFraud.ftc.gov](https://www.reportfraud.ftc.gov).

- Bill Passed
- Active Right to Repair Bill - 2024
- Right to Repair Bill Introduced Historical
- No Right to Repair



Join the Repair Revolution!



Right to Repair

LEGISLATION



loading...



IFIXIT

You can fix it.
We show you how.



REPAIR MANIFESTO

WE HOLD THESE TRUTHS TO BE SELF-EVIDENT

IF YOU CAN'T FIX IT, YOU DON'T OWN IT.

REPAIR IS BETTER THAN RECYCLING

Making our things last longer is both more efficient and more cost-effective than mining them for raw materials.

REPAIR SAVES YOU MONEY

Fixing things is often free, and usually cheaper than replacing them. Doing the repair yourself saves you money.

REPAIR TEACHES ENGINEERING

The best way to find out how something works is to take it apart.

REPAIR SAVES THE PLANET

Earth has limited resources. Eventually we will run out. The best way to be efficient is to reuse what we already have.



REPAIR **CONNECTS**
PEOPLE AND THINGS

REPAIR IS WAR ON
ENTROPY

REPAIR IS
SUSTAINABLE


WE HAVE THE RIGHT:
TO DEVICES THAT CAN BE OPENED
TO REPAIR DOCUMENTATION FOR
EVERYTHING
TO REPAIR THINGS
IN THE PRIVACY OF OUR OWN HOMES

TO CHOOSE
OUR OWN REPAIR TECHNICIAN
TO REMOVE 'DO NOT REMOVE' STICKERS
TO REPLACE
ANY & ALL
CONSUMABLES OURSELVES
TO TROUBLESHOOTING
INSTRUCTIONS &
FLOWCHARTS
TO AVAILABLE, REASONABLY-PRICED SERVICE PARTS

BECAUSE REPAIR IS INDEPENDENCE | REQUIRES CREATIVITY | MAKES CONSUMERS INTO CONTRIBUTORS | **INSPIRES**
SAVES MONEY & RESOURCES | PRIDE IN OWNERSHIP



JOIN THE REVOLUTION WITH IFIXIT.COM



[Oregonians] are practical and savvy. That's why more and more of us are choosing quality clothes that save money, last longer and reduce waste. Well-made clothes are available for every budget, are built to last, and can be worn often and for years to come. It's about making choices that make sense—which is just part of who we are.

MAKE EVERY THREAD COUNT.

MAKE EVERY THREAD COUNT.

Oregonians are practical and savvy. That's why more and more of us are choosing quality clothes that save money, last longer and reduce waste. Well-made clothes are available for every budget, are built to last, and can be worn often and for years to come. It's about making choices that make sense—which is just part of who we are.

LEARN HOW TO HELP

Quality doesn't have to be code for "expensive." Well-made clothes aren't determined by the price tag and simple care can make those pieces last, which saves you the hassle and cost of replacing them. You can extend the life of your clothes and your investment by taking a few easy steps.

STEP 1: LOOK FOR SIGNS OF QUALITY

EDGES AND HEMS: Cut or "raw" edges and hems can lead to unraveling and loose, hanging threads. Be careful in choosing garments with these features as they may require special laundering.

GOOD QUALITY THREAD AND STRONG, EVEN STITCHES: Give the fabric a gentle pull to see if the thread breaks or pops. Check for rippled, puckered or twisted hems and seams. Avoid garments that don't appear to hang smoothly.

FABRICS: All types of fabrics, whether natural or synthetic, have advantages and disadvantages. Consider the quality of the fabric itself (thickness, softness, stretch, etc.) and how suitable the fabric is for that particular item. Will it be comfortable and durable?



LININGS: For suits and other lined garments, check to see if the lining hangs loosely and doesn't cause any pulling or puckering.

MATCHED PATTERNS: If the garment has stripes or plaid, the pattern should match up at the seams.

QUALITY BUTTONS AND BUTTONHOLES: Buttonholes should be well stitched with no loose threads or raw fabric showing. Test the button in the buttonhole to make sure it's easy to button up the garment.

STEP 2: CARE FOR YOUR CLOTHES

CLEAN CORRECTLY: Follow labels when washing your clothes to keep them looking better and lasting longer.



STAIN REMOVAL: Discover what sort of care is best for the stain. Cold water, hot water or stain treatment? Some quick online research can save that garment you love.

CALL IN THE EXPERTS: Locate a good dry cleaner and tailor that can help keep your clothes clean and well-fitted.



USE THE DRYER SPARINGLY: High heat fades and shrinks material, and also breaks down elastic fibers in clothes, causing breakage and stretching. When possible, line or flat dry your clothes. If you must dry your clothes, use the lowest setting.

SIMPLE FIXES: Learn the simple but satisfying art of re-attaching a button, mending a tear or applying a patch.



GROUP SIMILAR ITEMS AND TURN INSIDE OUT: When washing, turn jeans and graphic shirts inside out to prevent fading and wear. Wash similar items together (for example, all jeans) to prevent harsher fabrics from wearing on softer ones.



CONSIDER COLD WATER: For most laundry, you can use cold water and less detergent than directed. This prevents exposure to excess heat or chemicals that contribute to fading or wearing out.



STEP 3: WEAR THOSE CLOTHES OFTEN AND FOR YEARS TO COME!

Every item in your closet has a cost-per-wear: the longer you wear that shirt or pair of jeans, the more you get out of your investment. A closet carefully stocked with several quality items will outlast a closet packed with poorly made, disposable clothes. So choose quality—you'll look good, save money and help care for our environment. And if you must retire an item of clothing, give it a second life by donating it to an organization that accepts previously worn clothing or sell it through a consignment shop.



<https://www.oregon.gov/deq/mm/wpcampaigns/Pages/Make-Every-Thread-Count.aspx>

Tabling on Textiles: Learn to Sew a Button



Kit is available in Clackamas County



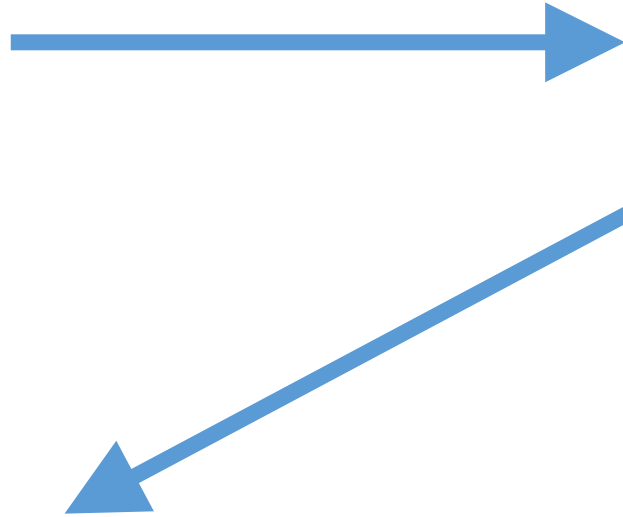
repair fair





How to Set Up a Repair Fair

- Find a few friends who want to make it happen (local government Master Recycler liason, fellow Master Recyclers, community groups, etc.)
- Find a venue (community center, library, school, etc.). Should have power, decent parking, and large central space.
- Pick a date
- Recruit volunteer repairers/event helpers
- Advertise event
- Ask for donated food/coffee from local grocery
- Arrive day of an hour early to set up



Many ways to get involved!

- Call or write your state and federal representatives: <https://www.repair.org/stand-up>
- Report unfair repair restrictions and warranty fraud to the FTC: <https://reportfraud.ftc.gov/#/>
- Join others in your community fighting for Right to Repair:
 - <https://ospirg.org/feature/orp/right-repair>
 - <https://www.repair.org/>
- Participate in a Repair Fair, Repair Cafe, or Fixit Clinic near you:
 - <https://www.repairpdx.org/>
- Write or improve a repair guide: <https://www.ifixit.com/Contribute>
- Buy more repairable products: <https://www.ifixit.com/Right-to-Repair/Repairable-Products>

Thank you

Questions?

Stacy Ludington | Master Recycler Program Manager
masterrecycler@oregonmetro.gov
971-352-2895