



IFIXIT

Let's Fix the World

I'm from the internet and I'm here to help.



Step 1. Reboot

Did that fix it?
No? Proceed to step 2

Step 2.

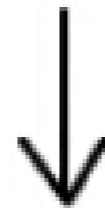
Format hard drive.
Reinstall Windows.
Lose all your files. Quietly weep.



Apple

Step 1.

Take it to an Apple store.



Did that fix it?

No? Proceed to step 2

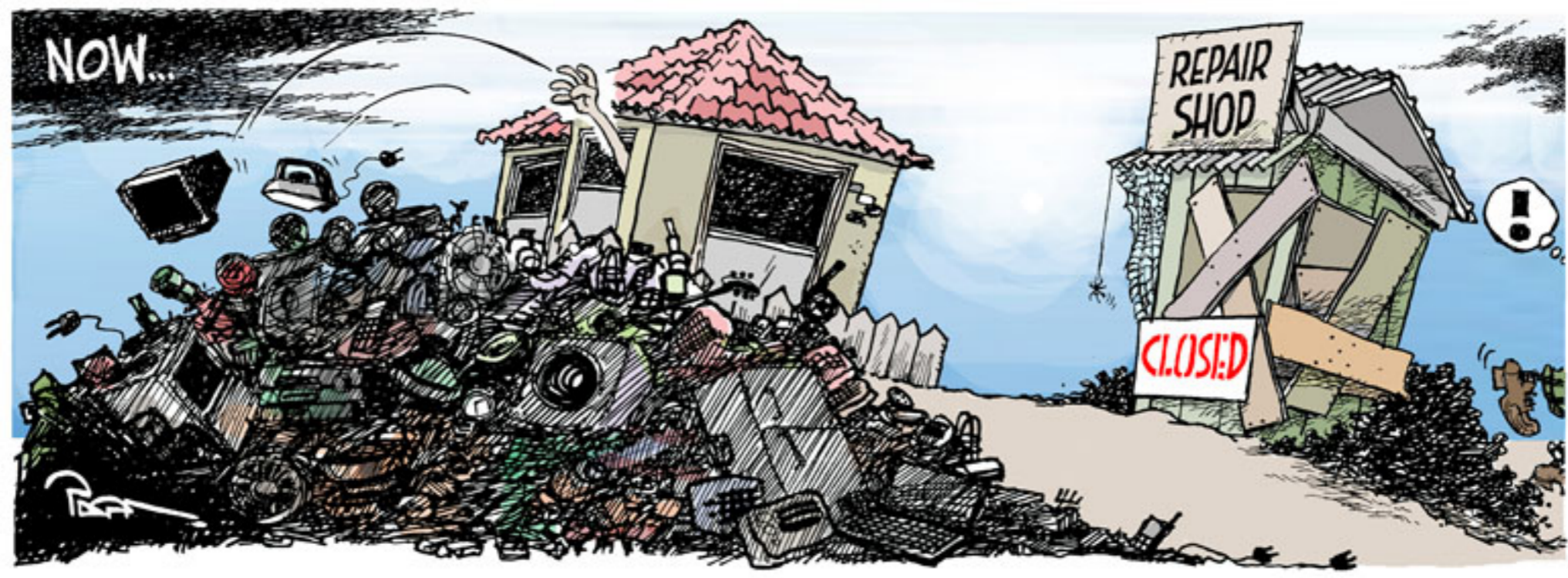
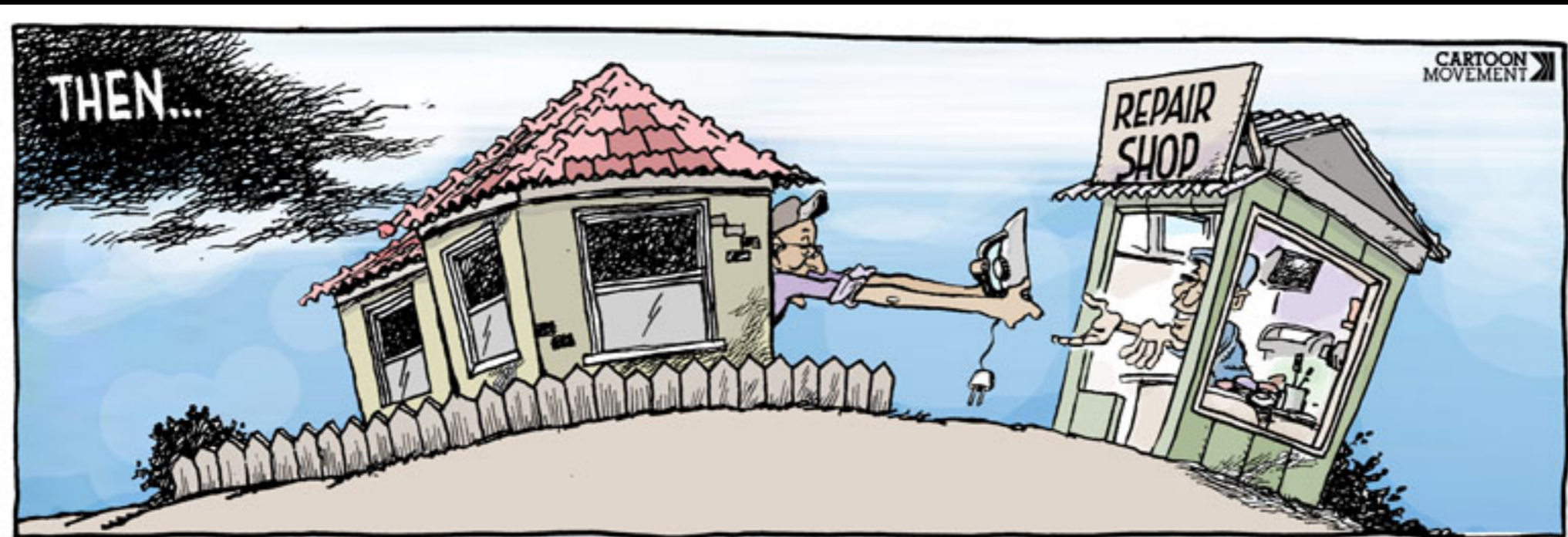


Step 2.

Buy a new Mac.

Overdraw your account. Quietly weep.

Throwaway Culture





Repair Guides

[Learn More](#)

[Create a Guide](#)

What do you need to fix?



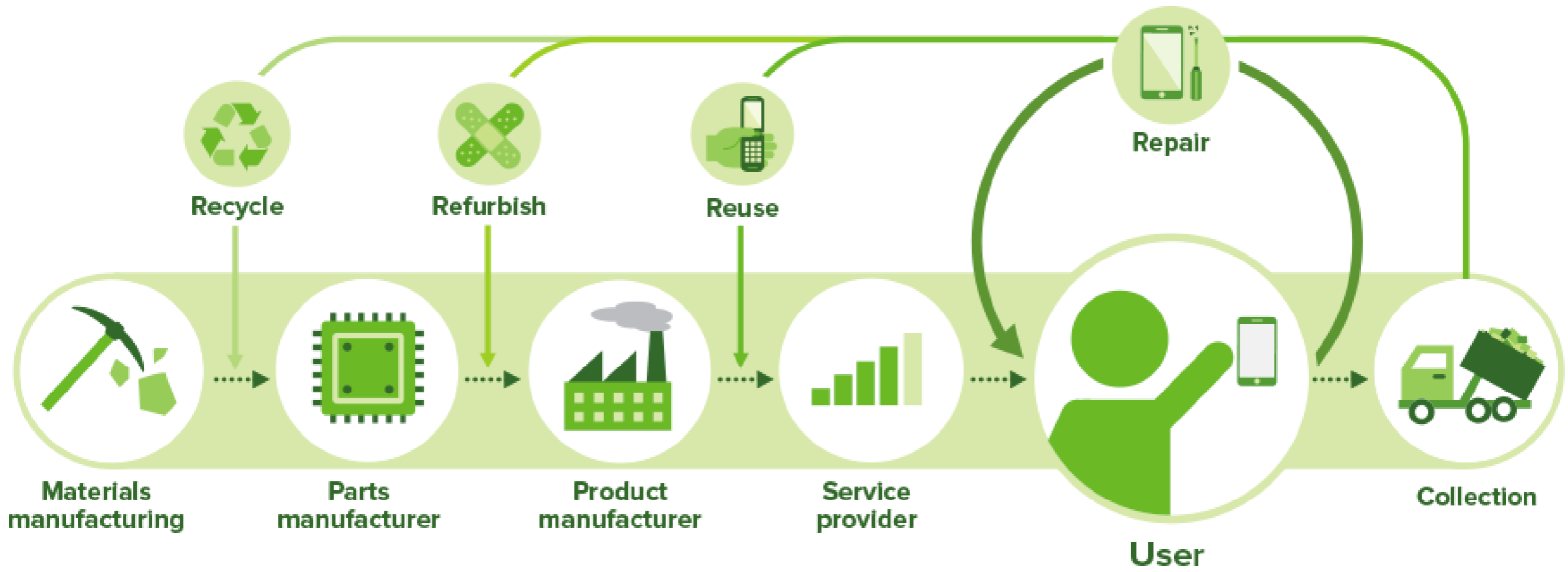




Step 2

Edit 

- Remove the six Phillips screws securing the chrome rear panel to the Barista.
- Once the chrome panel is gone, you get a pretty comprehensive look at what makes the Barista boil. Major components include:
 - A reciprocating pump.
 - A pressure release valve
 - A boiler (with an internal heating coil).
 - A steam valve which, as you guessed it, allows steam into the steam wand for making frothy milk.
 - A bird's nest of wiring supplying power to everything.
- Remove all the Phillips screws holding the AC power cord and distribution block to the frame.



**Every patch is a memory,
every tear has a tale.
These are the stories we wear.**



“Good Design is Long-Lasting. Good Design is Environmentally Friendly.”

—DIETER RAMS



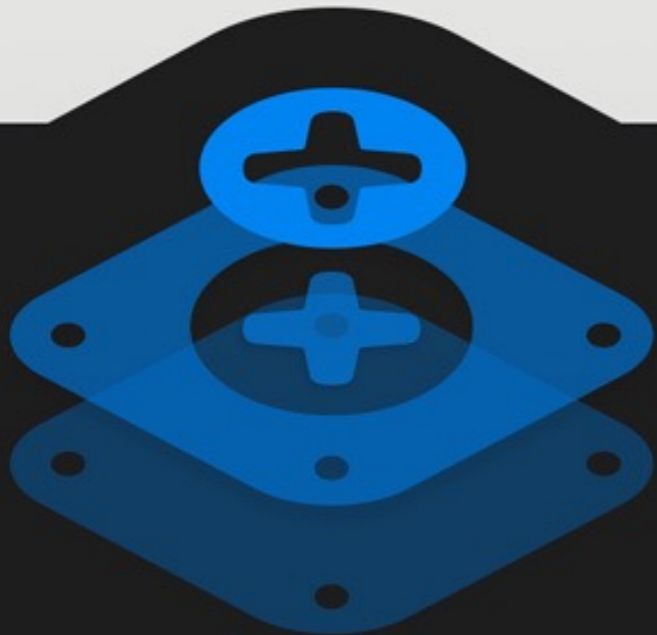
Galaxy

Upcycling



iPhone

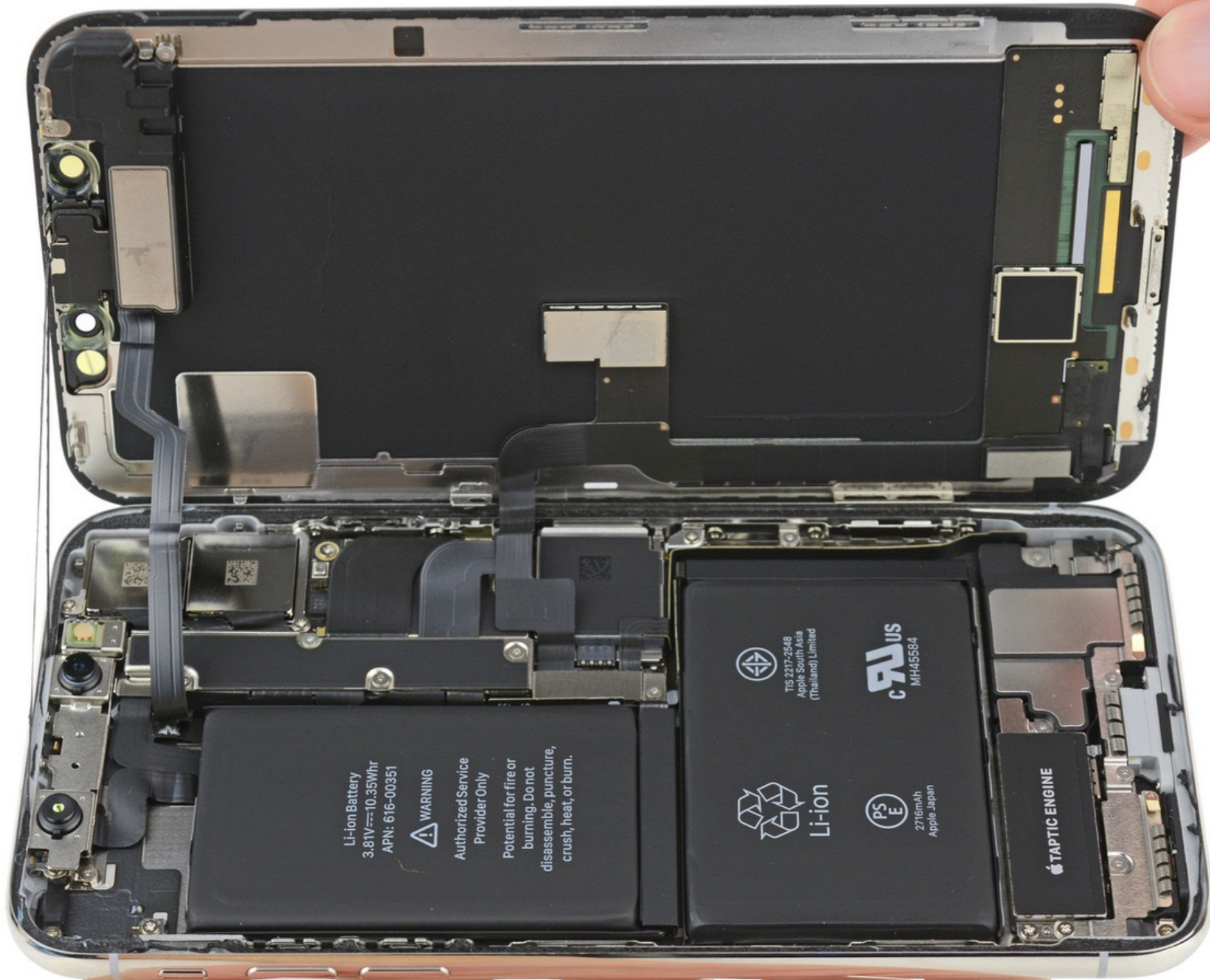
X



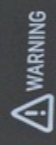
TEARDOWN







Li-ion Battery
3.81V 10.35Whr
APN: 616-00351



WARNING
Authorized Service
Provider Only

Potential for fire or
burning. Do not
disassemble, puncture,
crush, heat, or burn.



Li-ion



2716mAh
Apple Japan



TIS 2217-2548
Apple South Asia
(Thailand) Limited

CAIUS
MH45584

APPLE
TAPTIC ENGINE



Li-ion battery
3.81V --- 10.35Whr
APN: 616-00351

WARNING
Authorized Service
Provider Only
Potential for fire or
burning. Do not
disassemble, puncture,
crush, heat, or burn.

Li-ion
Li-ion
Li-ion

Li-ion
Li-ion
Li-ion

Li-ion
Li-ion
Li-ion



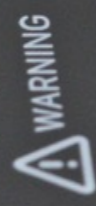


820-00863-12 6125816 14.1 2017

DN8741
30S38J
J6XAY

F3X74210
G2ZJ9DLA1

Li-ion Battery
3.81V --- 10.35Whr
APN: 616-00351



WARNING
Authorized Service
Provider Only

Potential for fire or
burning. Do not
disassemble, puncture,
crush, heat, or burn.



Li-ion Battery
3.81V 10.25Whr
A91C 616-00351
WARNING
Authorized Service
Provider Only
Potential for fire or
burning. Do not
disassemble, puncture,
crush, heat, or burn.

Li-ion
PS E
Z176sm04h
Apple Japan
C.R.U.S.
MH45324

TAPTIC ENGINE

Li-ion Battery
3.81V 10.35Whr
APN: 616-00351

 **WARNING**
Authorized Service
Provider Only
Potential for fire or
burning. Do not
disassemble, puncture,
crush, heat, or burn.


Li-ion



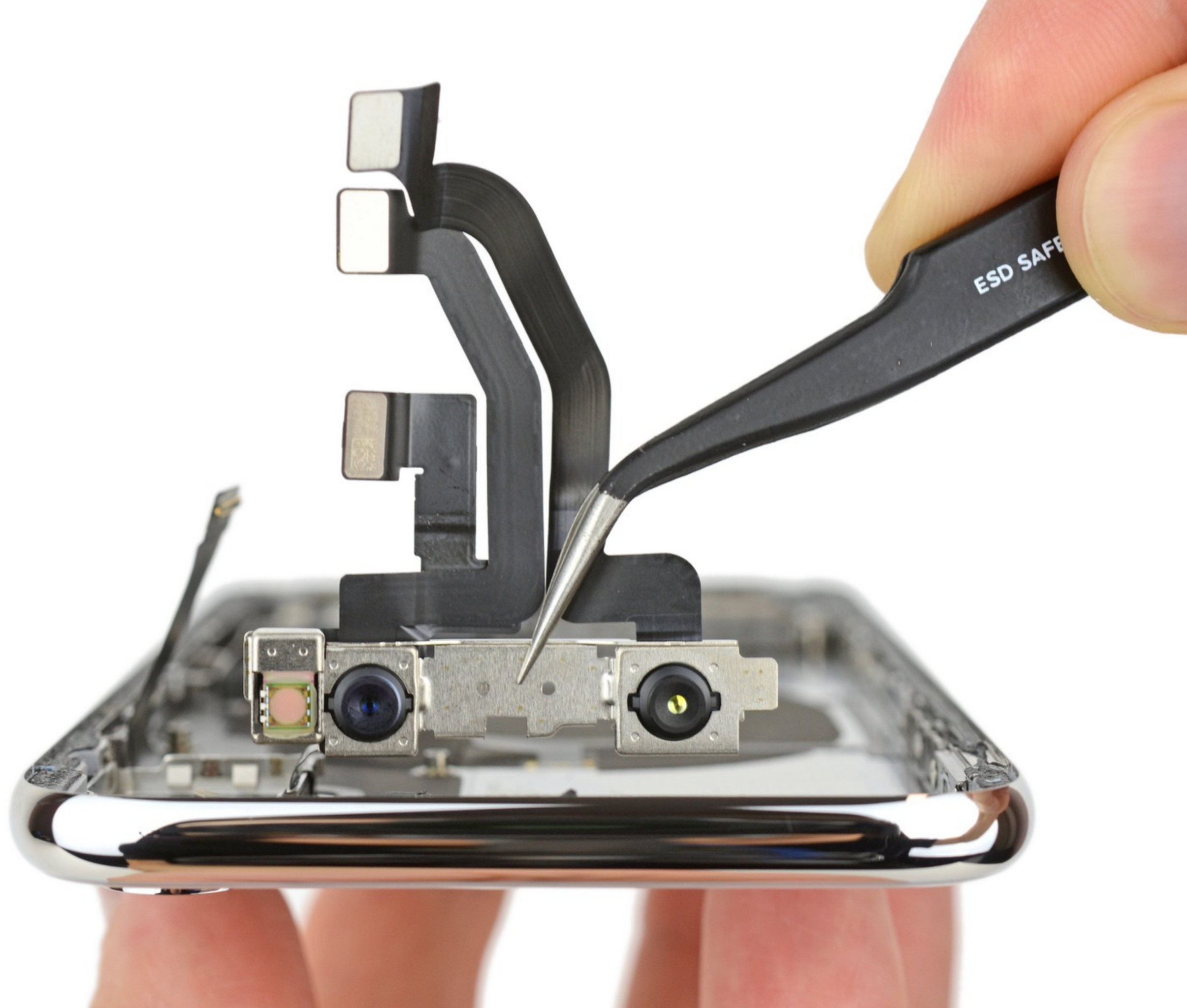
2716mAh
Apple Japan



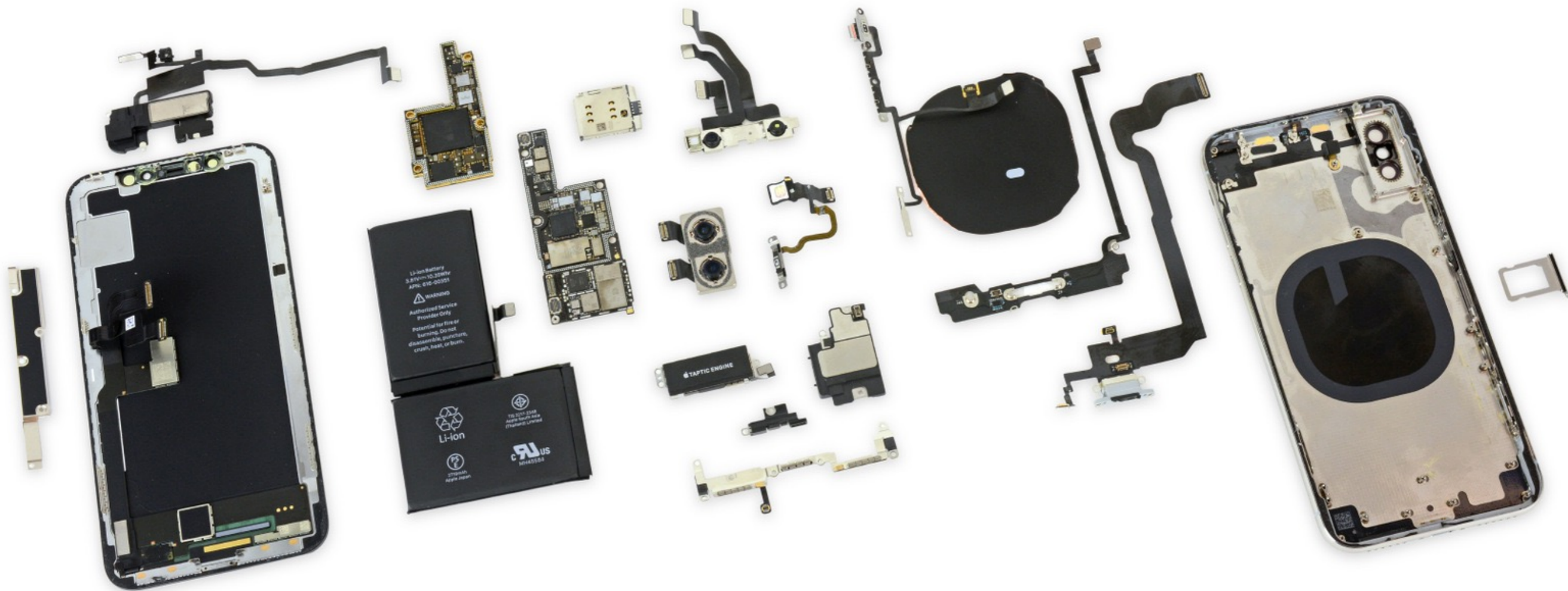
TIS 2217-2548
Apple South Asia
(Thailand) Limited


MH45584

 TAPTIC ENGINE







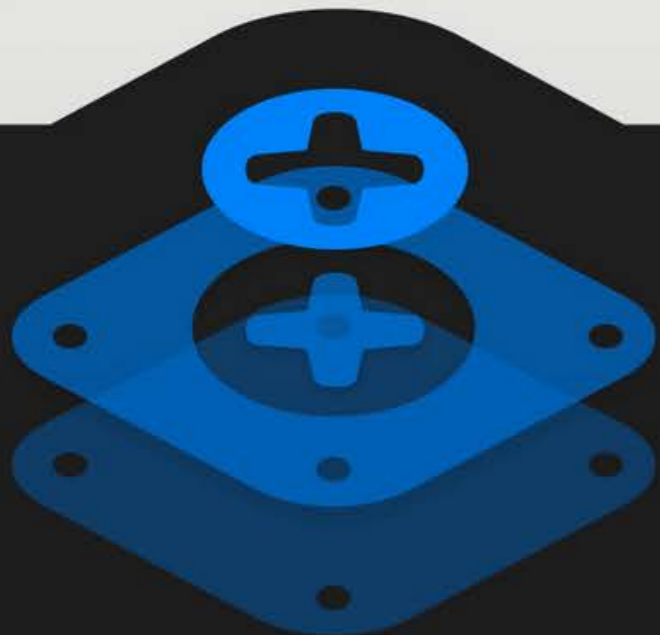
Li-ion Battery
3.82V 10.35Wh
APN: 616-00001

WARNING
Authorized Service
Provider Only
Potential for fire or
burning. Do not
disassemble, puncture,
crush, heat, or burn.

Li-ion
Recycling symbol
EPEAT Green
RoHS
MADE IN JAPAN

TAPTIC ENGINE

Galaxy S7 Edge



TEARDOWN





 iFIXIT

iOpener

Galaxy S7

Verizon



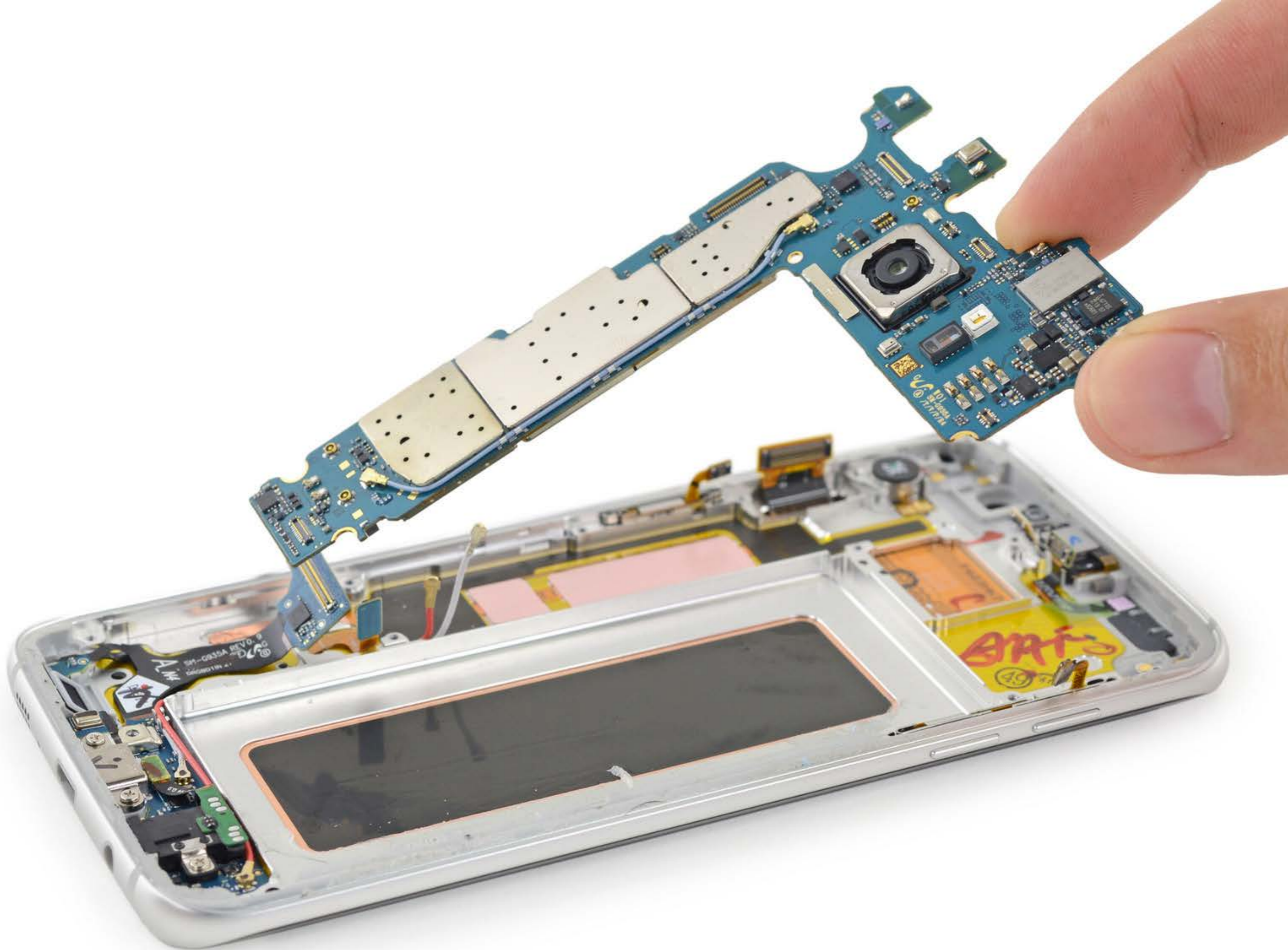


Barcode
MS-15P4000000 LG 1000
S01-100400000

6

SOS

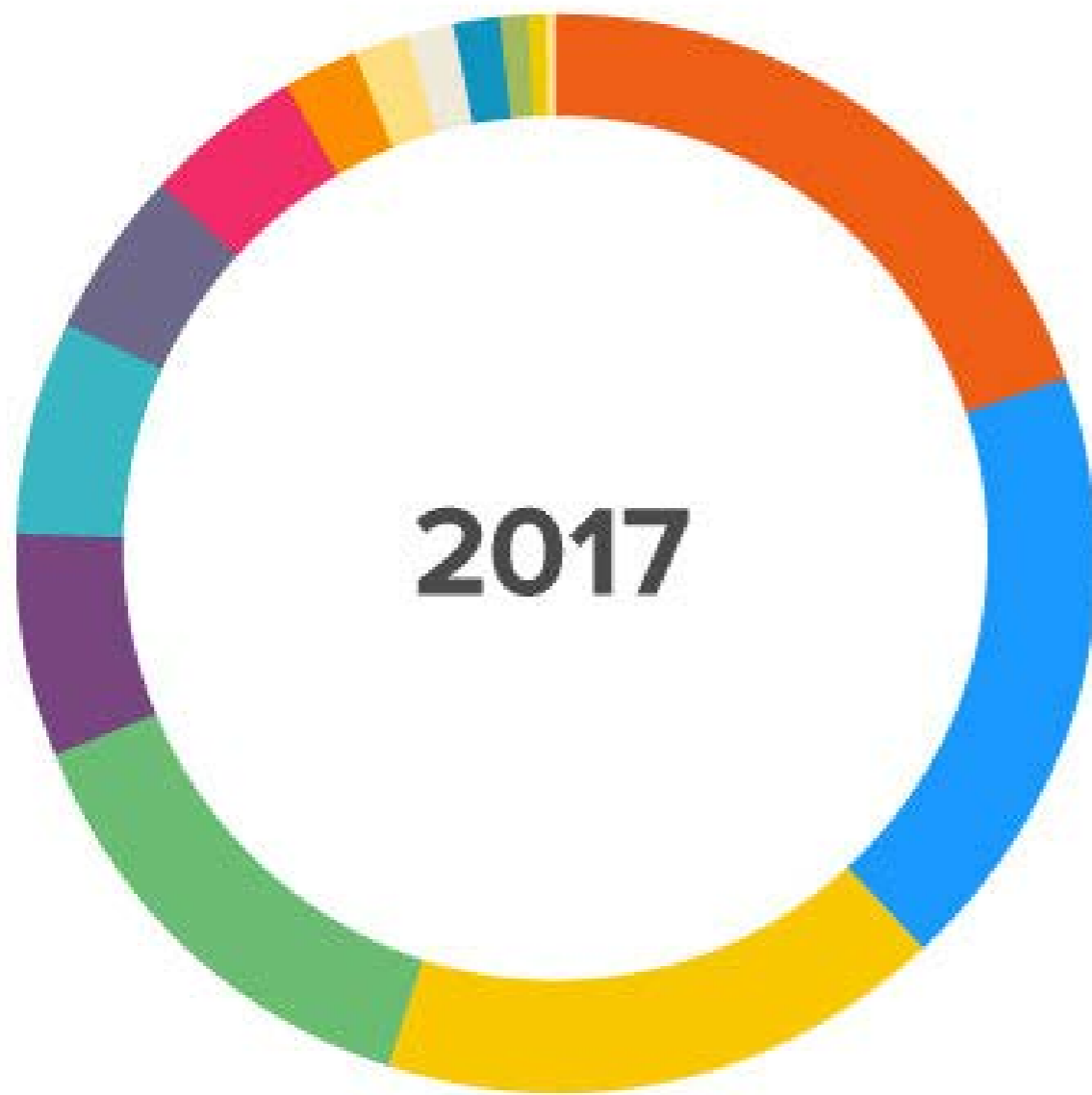
SM-G935A REV. 0.9
A-N4
ORIGIN





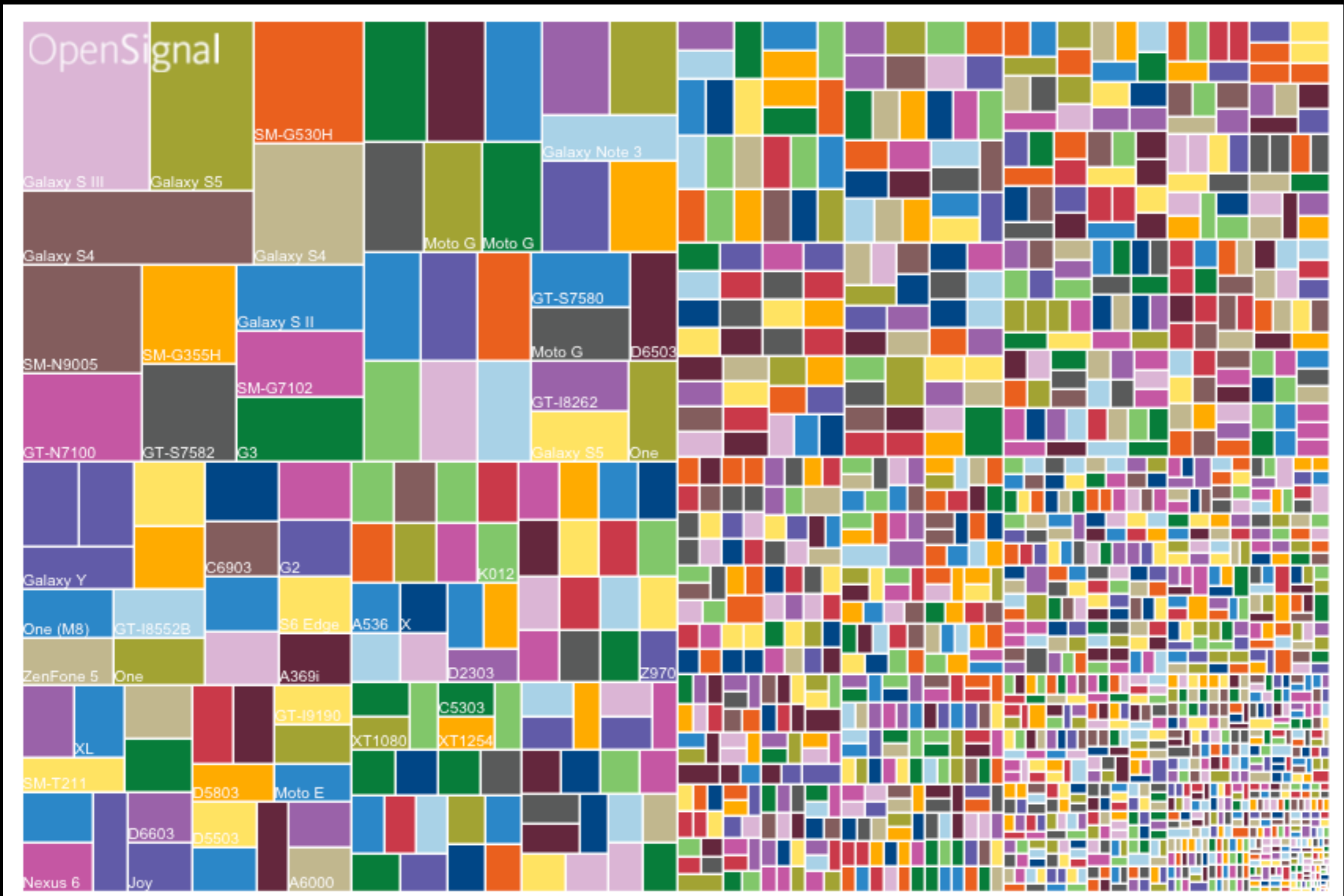
REPAIRABILITY SCORE:





iPhone 7	19.74%
iPhone 6S	18.58%
iPhone 6	16.77%
iPhone 7 Plus	13.83%
iPhone 6S Plus	6.77%
iPhone 5S	6.43%
iPhone SE	4.91%
iPhone 6 Plus	4.77%
iPhone 8 Plus	2.18%
iPhone 8	1.68%
iPhone 5	1.51%
iPhone 5C	1.19%
iPhone X	0.93%
iPhone 4S	0.58%
iPhone 4	0.14%

Android Fragmentation



Monopoly Strategies

Copyright on Service Manuals



31st July 2012

Dear Mr Hicks,

Toshiba copyright Repair Manuals.

We understand that you are the owner and editor of a website that is found at <http://tim.id.au> and that your ABN is [REDACTED]

On your website we are able to read and see that you are distributing, by download, copyright repair manuals (the Manuals) that are proprietary to Toshiba (Australia) Pty Limited and its parent company, Toshiba Corporation of Japan (Toshiba).

The Manuals are only available to Toshiba authorised service providers under strict confidentiality agreements. You are not a Toshiba authorised service provider and therefore you have no rights to have any of the Manuals that are listed and linked under the heading "Toshiba" that appears on your website.

OPERATION:



FIX TOSHIBA

by: iFixit.com

TOSHIBA

Leading Obsolescence»»»



Right to Repair is a Growing Movement



88% of Voters

in Massachusetts overrode the car companies and passed the automobile owners' Right to Repair law in November, 2012.



114,322 Americans

signed a petition to legalize cell phone unlocking. The White House supports cell phone unlocking—but your voice is still needed to convince Congress.

WHAT IS GOING ON?

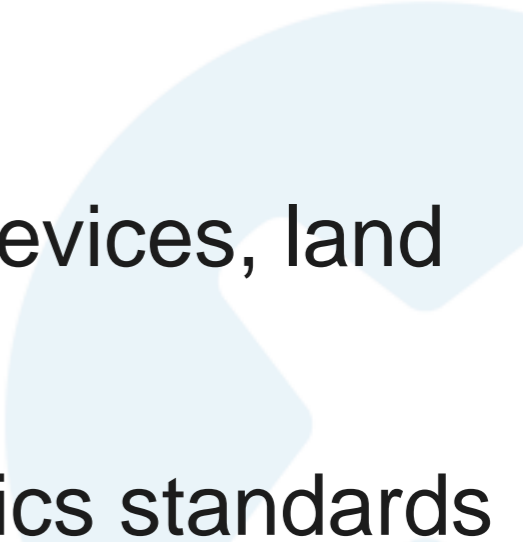
GUESS WHAT I CAUGHT THIS FARMBOY DOING?

I CAUGHT HIM UNDER A SHADE TREE REPAIRING HIS OWN TRACTOR!



FRIDAY @ 2016

Pre-2017 Accomplishments

- 5 bills introduced
 - South Dakota (2014)
 - New York, Minnesota, Massachusetts (2015)
 - Nebraska (2016)
 - DMCA Reform in 2012 and 2015
 - Cell Phone Unlocking signed into law
 - Exemptions for cell phones, tablets, medical devices, land based motor vehicles (tractors)
 - EPEAT, UL, and IEEE environmental electronics standards
- 

Minnesota: Amanda Lagrange





Minnesota's 'right to repair' bill would upend tech giants' monopoly on fixing your stuff

Friday, February 3, 2017 by Taylor Danz in [News](#)



advertisement

RELATED

[John Marty: The Environmentalist](#)

2017 State Legislation

	Senate	House	End of session
New York	S618	pending	December 31
Nebraska	LB 67	n/a	June 2
Minnesota	SF 15	HF 287	May 22
Massachusetts	SD 938	HD 1692	June '18
Kansas	pending	HB 2122	May 15
Wyoming	pending	HB 0199	March 6
Washington	pending	pending	April 23
Tennessee	SB0888	HB1382	April 14
Illinois	pending	HB3030	December 31

Gay Gordon-Byrne

Executive Director, Repair.org



It's Time for Fair Repair

- Service Documentation
- Tools
- Diagnostics
- Firmware
- Service Parts
- Gay Gordon-Byrne: ggbyrne@repair.org

