



# Magic Trackpad 2

## Apple Recycler Guide

June 2023

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# About This Guide

Apple Recycler Guides provide guidance for electronics recyclers on how to disassemble products to maximize recovery of resources. The guides provide step-by-step disassembly instructions and information on the material composition to help recyclers direct fractions to the appropriate material recycler.

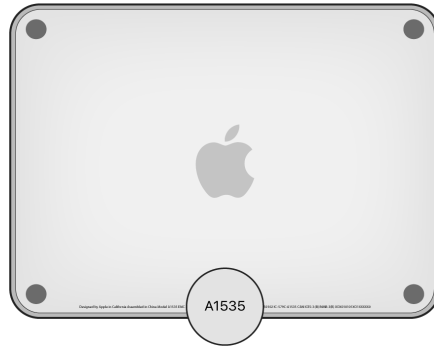
To conserve important resources, we work to reduce the materials we use and aim to one day source only recycled or renewable materials in our products. A key path to reaching that goal is resource recovery from end-of-life electronics.

Disassembly procedures are intended to be performed only by trained electronics recycling professionals. The recycler is responsible for independently evaluating and ensuring compliance with all applicable environmental, health, and safety laws related to the work. These include but are not limited to laws relating to the management, handling, shipping, and disposal of the outputs of this work as waste and laws in place to ensure the health and safety of all employees who support this work.

For questions or feedback about this guide, email [contactesci@apple.com](mailto:contactesci@apple.com).

# Identification

You can find the model number on the bottom of the Magic Trackpad 2.



*Model number:*  
A1535

# Directive 2012/19/EU Annex VII Components

Directive 2012/19/EU Annex VII requirements apply to the following substances and components.

Substance/Component	Apple Part Name	Removal Instructions
Printed circuit board if the surface is greater than 10 square centimeters	Main logic board	Follow steps 1–4
External electric cables	Charge cable	Follow step 1
Battery	Lithium-ion polymer battery	Follow steps 1–3
No further substances or components as listed in Annex VII		

# Safety Considerations

The recycler is responsible for independently evaluating all activities undertaken by its employees to perform or support the work and ensuring compliance with all applicable health and safety laws related to the work. These include but are not limited to laws relating to the health and safety of all employees who perform or support this work. The recycler is also responsible for evaluating the workspace and ensuring that the area in which the work is to be undertaken is designed using ergonomic best practices and meets all ergonomic requirements to ensure the protection of its employees.

## Personal Protective Equipment

Personal protective equipment should be worn during the entire recycling process.



Wear hand protection



Wear protective clothing



Wear eye protection



Wear foot protection

## Battery Safety

This product uses a lithium-ion polymer battery. Before beginning any disassembly work, ensure that a safe working procedure for handling lithium-ion batteries has been established, which could include discharging the batteries so that they can be more safely managed. The following considerations may also be included:

- Remove anything from your person that could conduct energy, such as jewelry and watches, to avoid electric shock to yourself or the logic board.
- To avoid the potential for thermal runaway and the release of potentially noxious fumes, don't puncture, strike, or crush lithium-ion polymer batteries or devices powered by them.
- Don't throw, drop, or bend the battery.
- Don't expose the battery to excessive heat or sunlight.
- Don't use tools that are sharp or conduct electricity.
- Keep your workspace clear of foreign objects and sharp materials.
- Dispose of batteries according to local environmental laws and guidelines.

## Workspace safety guidelines

- Use heat-resistant gloves and safety glasses.
- Keep a sand dispenser within arm's reach (2 feet or 0.6 m) on one side of the workstation, not above the workstation. The dispenser should be a wide-mouthed, quick-pour metal container with a flip-top lid or tray that contains 8–10 cups (1.9–2.4 L) of clean, dry, untreated sand.
- Keep the battery at least 2 feet (0.6 m) from paper and other combustible materials.
- Work in an area with adequate ventilation.

## Handling a thermal runaway

If you notice any of the following signs, a thermal runaway is likely underway, and you should act immediately:

- The lithium-ion polymer battery or a device containing one begins to smoke or emit sparks or soot.
- The battery pouch suddenly and quickly puffs out.
- You hear hissing or popping sounds.

**Don't** use water or an ABC/CO<sub>2</sub> fire extinguisher on a thermal runaway battery or a device containing one. Water and ABC/CO<sub>2</sub> fire extinguishers will not stop the reaction.

**Do** smother the battery or device immediately with plenty of clean, dry sand, dumped all at once. Timing is critical; the faster you pour all the sand, the faster the thermal runaway will stop.

**Do** leave the room for 30 minutes if the thermal runaway causes any irritation.

**Do** wait 30 minutes before touching the battery. Wear heat-resistant gloves and safety glasses to remove the battery from the sand, or use a touchless thermometer to measure the battery temperature. Only touch the battery when the event has finished.

**Do** dispose of the damaged battery or device (including any debris removed from the sand) according to local environmental laws and guidelines.

## Hazard Warnings



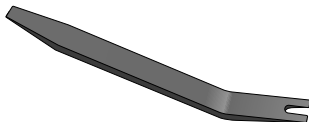
Broken glass hazard



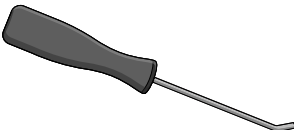
Rechargeable battery hazard

# Recommended Tools

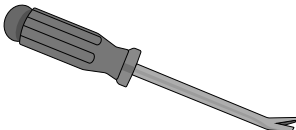
Miniature plastic pry bar



Miniature pry bar



Nail-pulling screwdriver

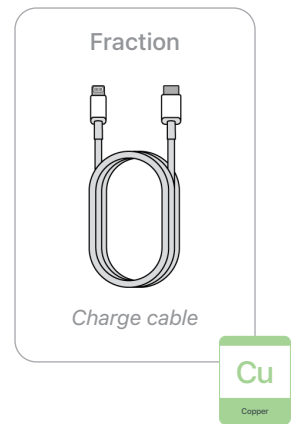
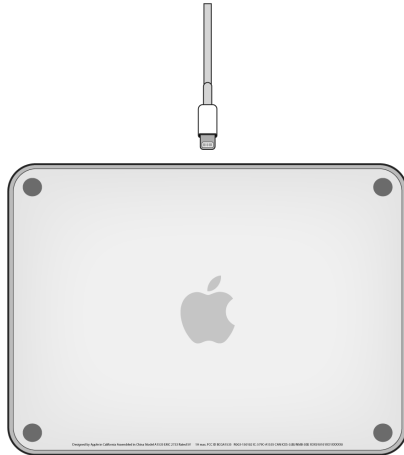




# Disassembly Instructions

## 1. Remove the charge cable.

- » *Ensure that the Magic Trackpad 2 is turned off.*
- » *Unplug the charge cable.*

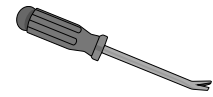


## 2. Remove the back cover.

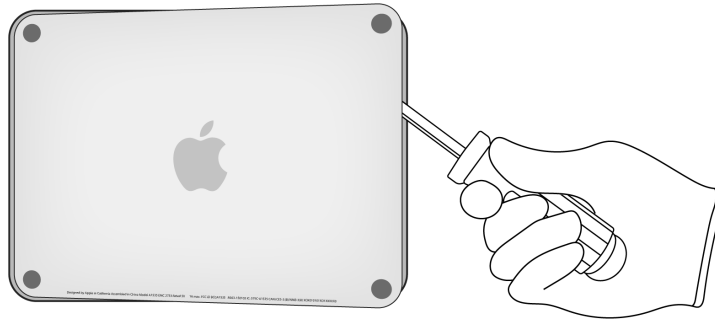


Broken glass hazard

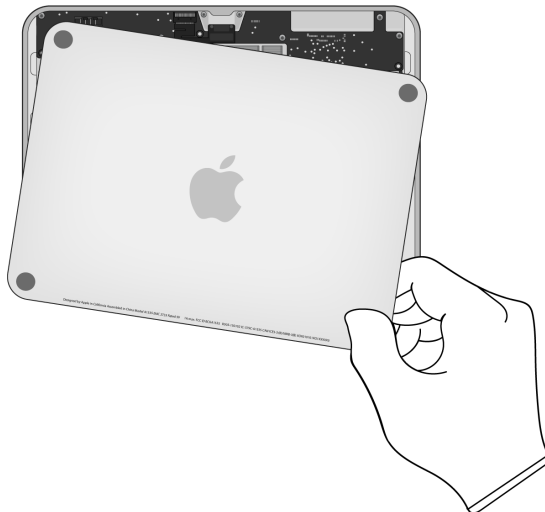
### Tools Used




» With the trackpad lying facedown, pry up the back cover.

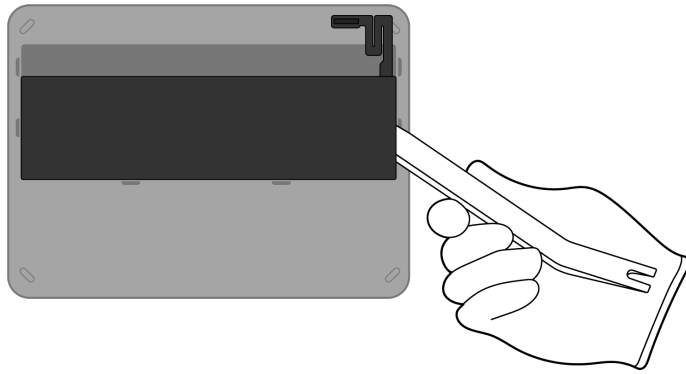


» Finish pulling off the back cover by hand, being careful not to damage battery.



**3.** On the back cover, carefully remove the lithium-ion polymer battery.


 Rechargeable battery hazard



Tools Used




Fraction



Lithium-ion polymer battery

BT  
Battery

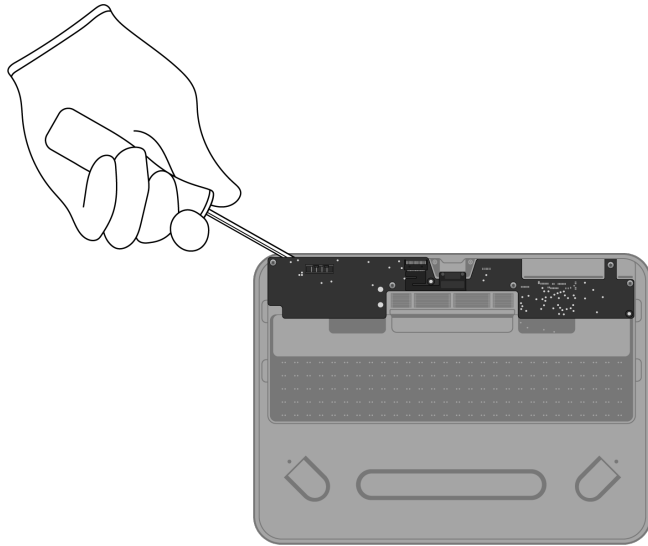
Fraction



Back cover

PL  
Plastics

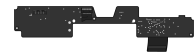
4. On the trackpad, pry off the main logic board.



Tools Used



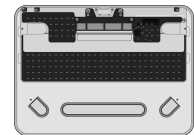
Fraction



Main logic board

PMs  
Precious Metals

Fraction





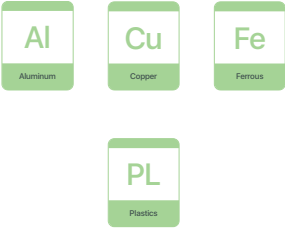


Trackpad

Cu  
Copper

# Material Categorization of Output Fractions

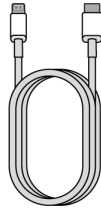
All outputs from this process must be managed, handled, and disposed of in accordance with applicable waste laws and regulations, including but not limited to the Waste Framework Directive and its national enactments in Europe.

Fraction	Downstream Processing
<p data-bbox="440 606 561 632"><b>Batteries</b></p>  <p data-bbox="367 774 634 800"><i>Lithium-ion polymer battery</i></p>	<p data-bbox="964 606 1273 632"><b>Primary Target Material</b></p> 
<p data-bbox="415 896 586 921"><b>Logic Boards</b></p>  <p data-bbox="420 1033 581 1058"><i>Main logic board</i></p>	<p data-bbox="964 896 1273 921"><b>Primary Target Material</b></p> 
	<p data-bbox="925 1123 1312 1148"><b>Potential Additional Materials</b></p> 

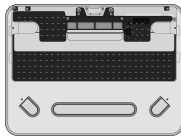
**Fraction**

**Downstream Processing**

**Mixed Electronics**



*Charge cable*



*Trackpad*

**Primary Target Material**



**Potential Additional Materials**



**Mixed Plastics**



*Back cover*

**Primary Target Material**

