



Apple TV 4K (3rd generation)

Apple Recycler Guide

March 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.

Identification

You can find the model number on the bottom cover of the Apple TV 4K (3rd generation).



*Model numbers:
A2737, A2843*

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	Power supply logic board, main logic board	Follow steps 1–7
External electric cables	Power cord	Follow step 1
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



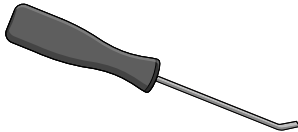
Wear eye protection



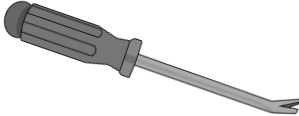
Wear foot protection

Recommended Tools

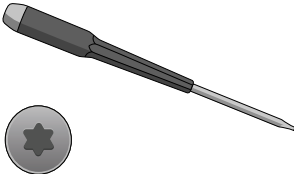
Miniature pry bar



Nail-pulling screwdriver

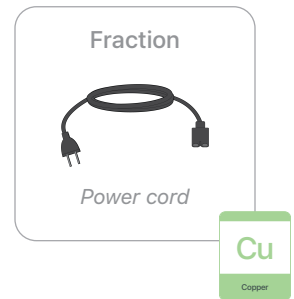


Torx T5 screwdriver



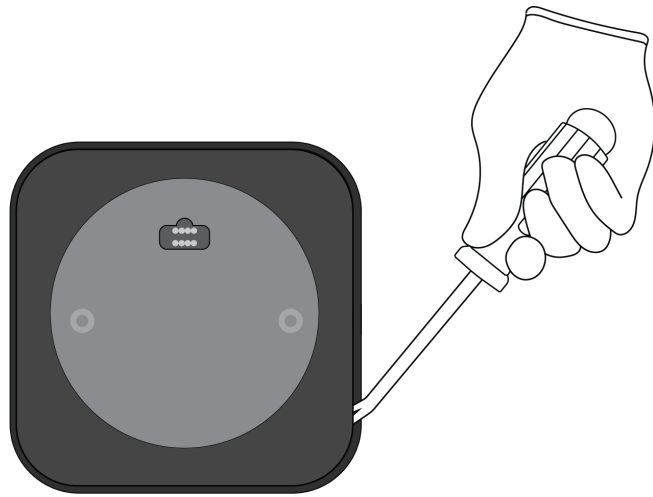
Disassembly Instructions

1. Unplug the power cord.

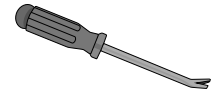


Warning: Before continuing disassembly, wait 10 minutes after unplugging the device for stored energy to discharge.

2. Pry off the bottom cover.



Tools Used



Fraction

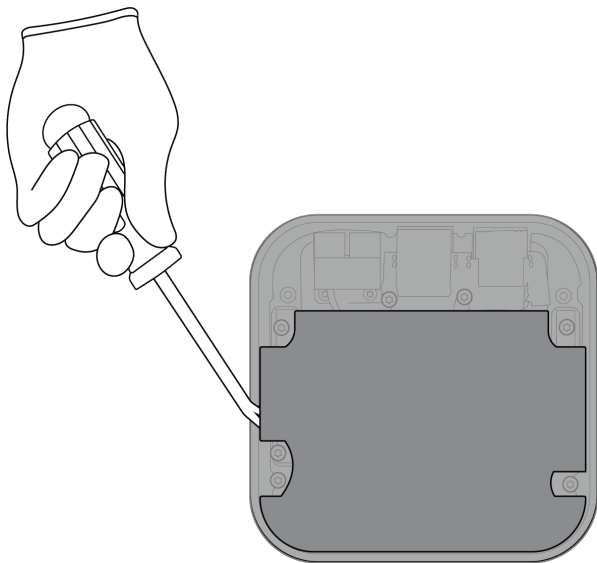


Bottom cover

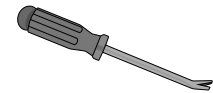
PL

Plastics

3. Pry off the top power supply logic board cover.



Tools Used



Fraction

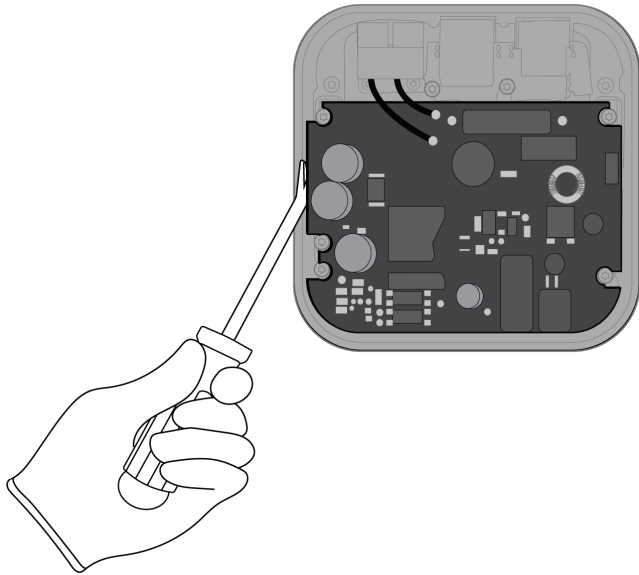


Top power supply
logic board

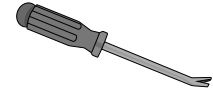
PL

Plastics

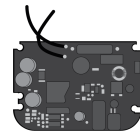
4. Pry off the power supply logic board.



Tools Used



Fraction

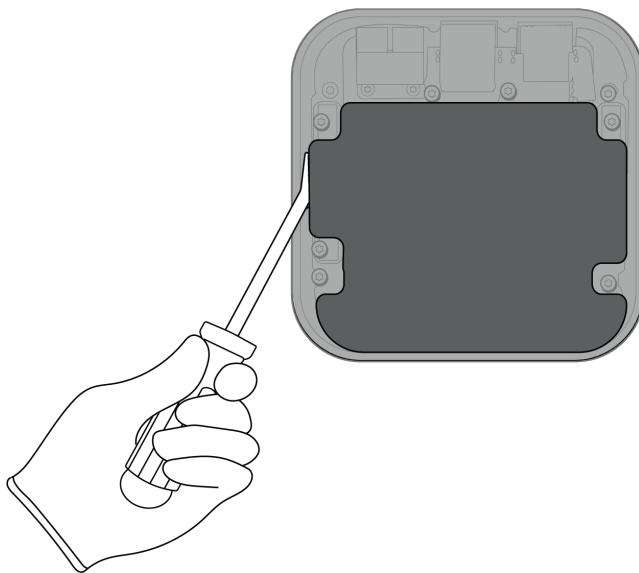


Power supply logic board

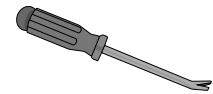
PMs

Precious Metals

5. Pry off the bottom power supply logic board cover.



Tools Used



Fraction

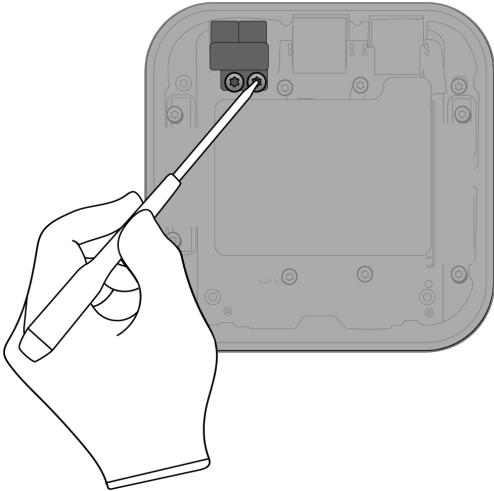


Bottom power supply logic board cover

PL

Plastics


6. Remove the AC connector by unscrewing the two fasteners.



Tools Used



Fraction




Fasteners (x2)

Fe

Ferrous

Fraction



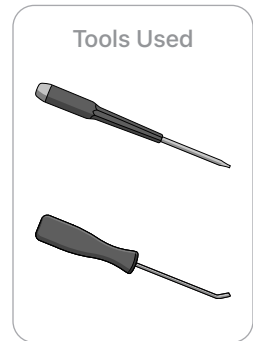
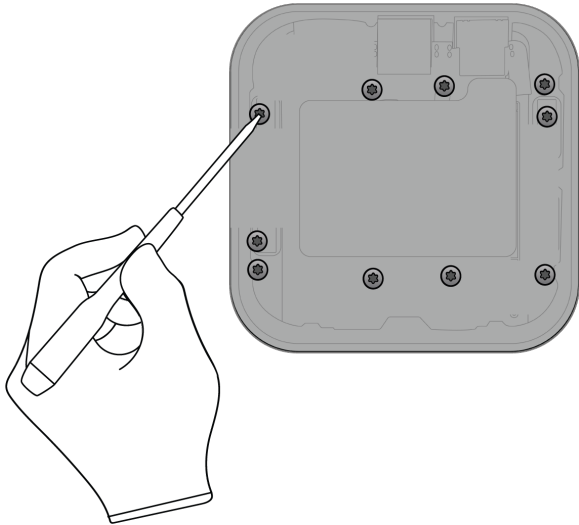
AC connector

Cu

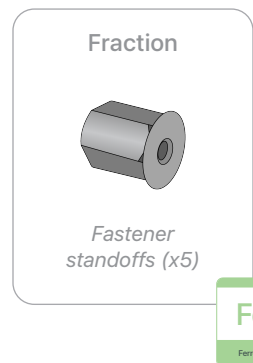
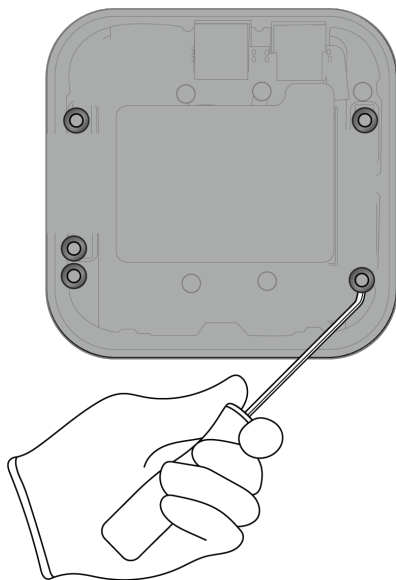
Copper

7. Remove the main logic board.

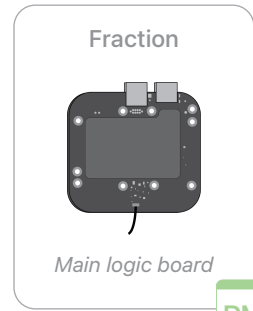
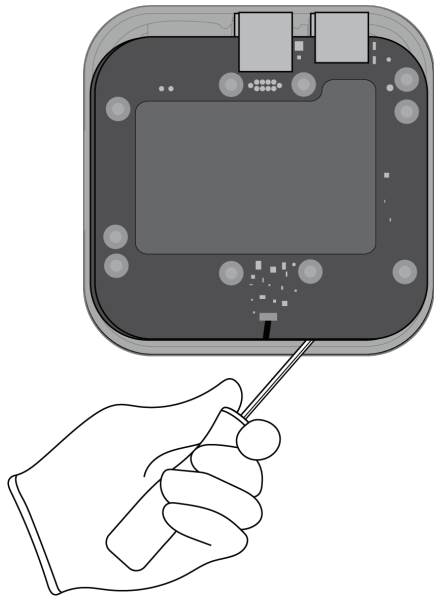
» Unscrew the 10 fasteners.



» Pry off the five fastener standoffs.



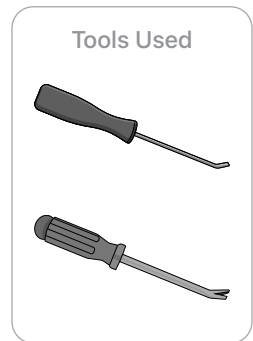
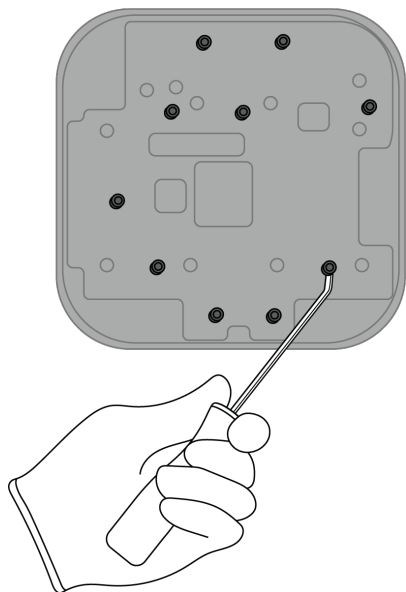
» *Pry off the main logic board.*



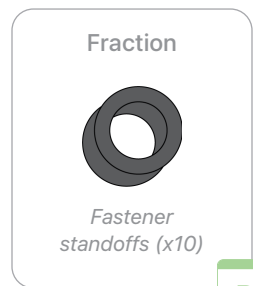
PMs
Precious Metals

8. Separate the mounting plate from the enclosure.

» *Pry off the 10 fastener standoffs using the miniature pry bar.*



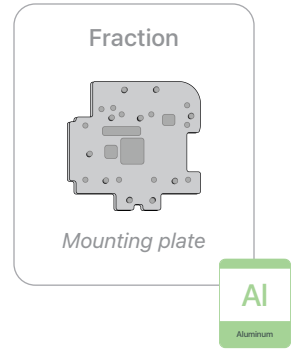
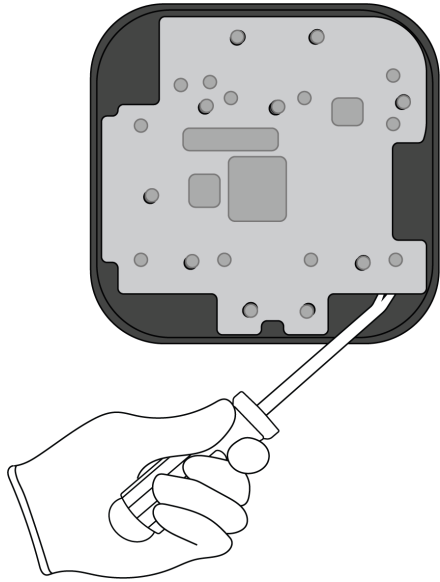
Tools Used



Fraction

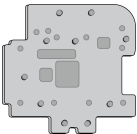


PL
Plastics


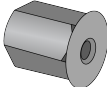

» Pry of the mounting plate using the nail-pulling screwdriver.



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.

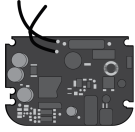
Fraction	Downstream Processing
<p data-bbox="435 604 570 632">Aluminum</p>  <p data-bbox="428 825 576 846"><i>Mounting Plate</i></p>	<p data-bbox="964 604 1273 632">Primary Target Material</p>  <p data-bbox="924 856 1313 884">Potential Additional Materials</p> 

<p data-bbox="451 1140 553 1167">Ferrous</p>  <p data-bbox="428 1327 576 1348"><i>Fasteners (x12)</i></p>  <p data-bbox="389 1518 612 1539"><i>Fastener standoffs (x5)</i></p>	<p data-bbox="964 1140 1273 1167">Primary Target Material</p> 
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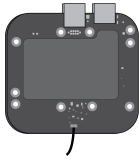
Fraction

Downstream Processing

Logic Boards



Power supply logic board



Main logic board

Primary Target Material



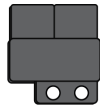
Potential Additional Materials



Mixed Electronics



Power cord



AC connector

Primary Target Material



Potential Additional Materials



Fraction

Downstream Processing

Mixed Plastics



Bottom cover



Top power supply logic board cover



Bottom power supply logic board cover



Fastener standoffs (x10)



Enclosure

Primary Target Material



Potential Additional Materials

