



Apple TV HD

Apple Recycler Guide

April 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 HD.



Model number:
A1625

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, power supply logic board	Follow steps 1–6
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



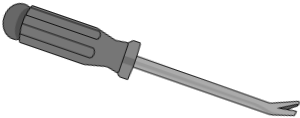
Wear eye protection



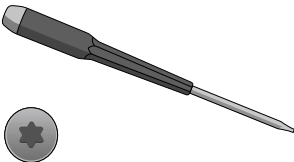
Wear foot protection

Recommended Tools

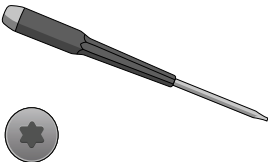
Nail-pulling screwdriver



Torx T5 screwdriver



Torx T7 screwdriver




Disassembly Instructions

- 1. Remove the power cord.



Fraction



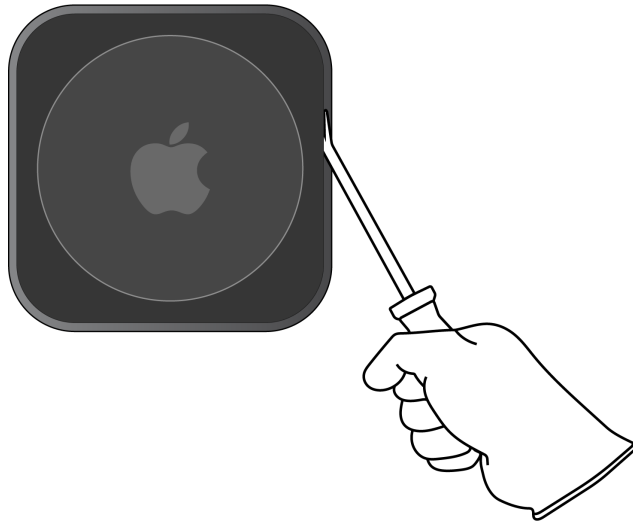
Power cord

Cu
Copper

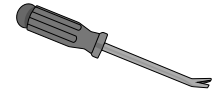
A diagram showing a power cord icon inside a rounded square box labeled "Fraction". Below the box is a green rectangular label with the chemical symbol "Cu" and the word "Copper" underneath.

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



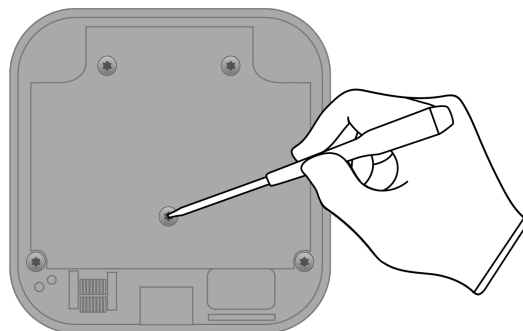
Bottom cover

PL

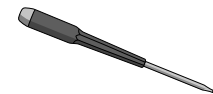
Plastics

3. Remove the EMI shield.

» Unscrew the five Torx T7 fasteners.



Tools Used



Fraction

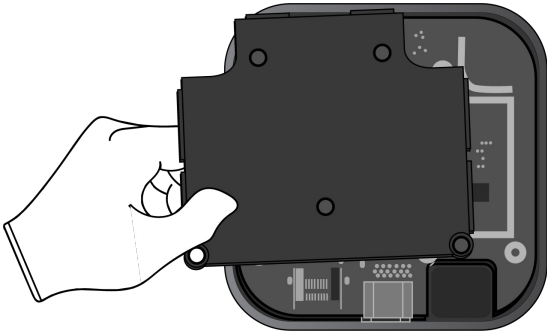


Fasteners (x5)

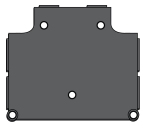
Fe

Ferrous

» Lift off the EMI shield.



Fraction



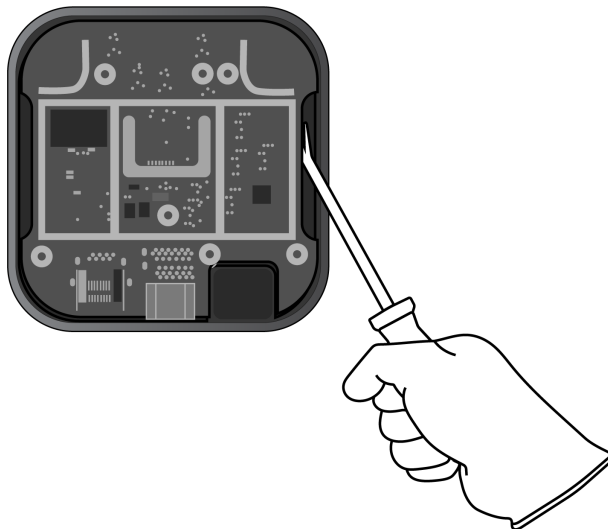
EMI shield

AI

Aluminum

A diagram showing the EMI shield component. It is a black, rectangular piece with several circular holes. Below the component is a green box with the letters 'AI' and the word 'Aluminum' underneath.

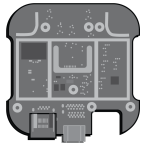
4. Pry the main logic board off the heat sink.



Tools Used

A diagram showing a screwdriver with a black handle and a silver shaft.

Fraction



Main logic board

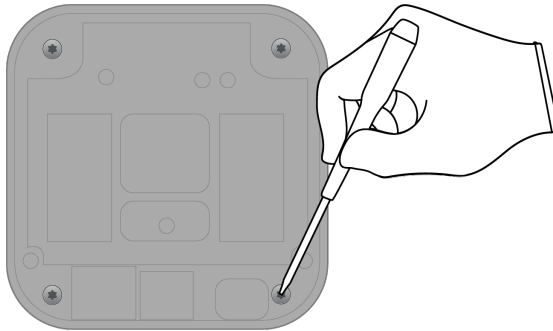
PMs

Precious Metals

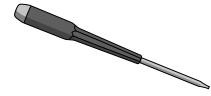
A diagram showing the main logic board component. It is a complex circuit board with various components. Below the component is a green box with the letters 'PMs' and the words 'Precious Metals' underneath.

5. Separate the heat sink from the enclosure.

» Unscrew the four Torx T7 fasteners.



Tools Used



Fraction

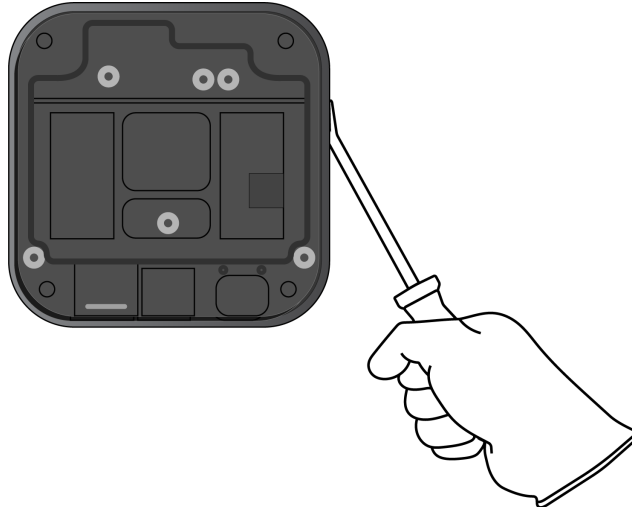


Fasteners (x4)

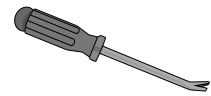
Fe

Ferrous

» Pry the heat sink out of the enclosure.



Tools Used



Fraction



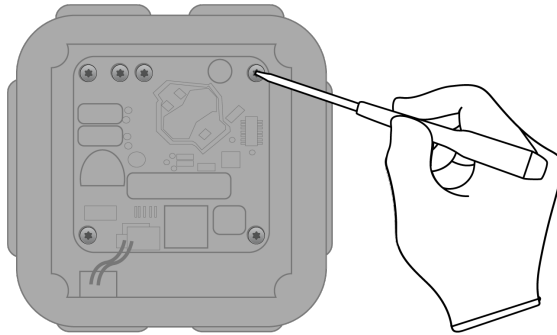
Enclosure

PL

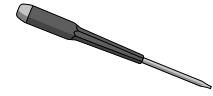
Plastics

6. Remove the power supply logic board.

- » *Unscrew the six Torx T7 fasteners from the underside of the heat sink.*



Tools Used



Fraction

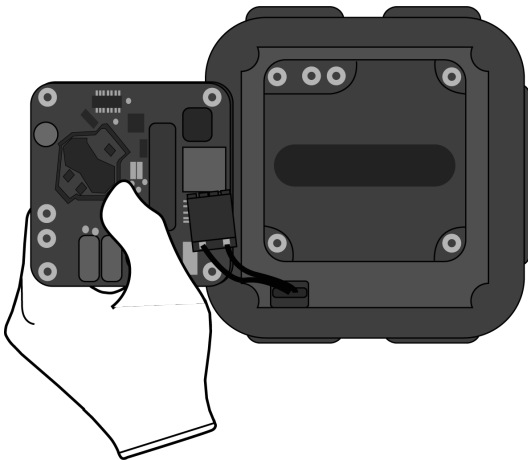


Fasteners (x6)

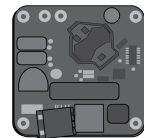
Fe

Ferrous

- » *Lift off the power supply logic board.*



Fraction



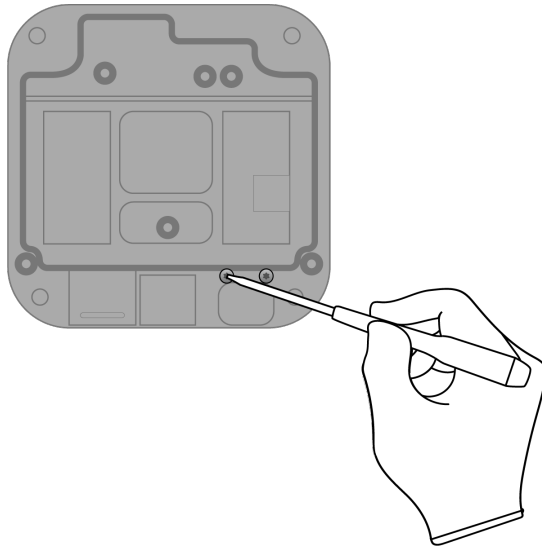
Power supply logic board

PMs

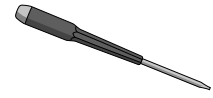
Precious Metals

7. Separate the AC connector from the heat sink.

- » *Turn over the heat sink.*
- » *Unscrew the two Torx T5 fasteners.*



Tools Used



Fraction

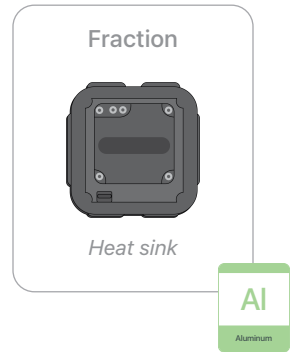
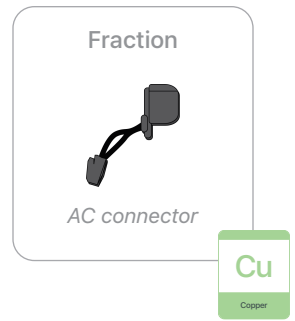
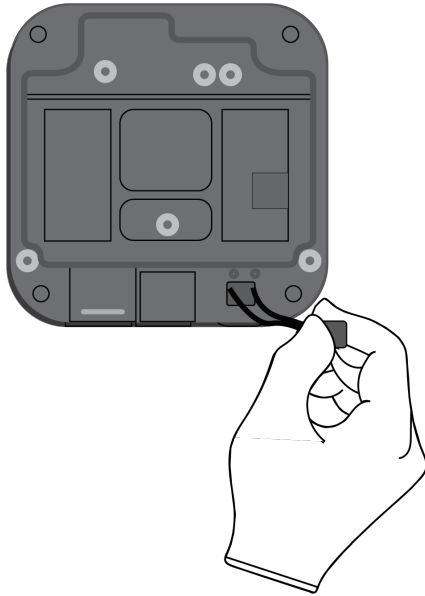


Fasteners (x2)

Fe

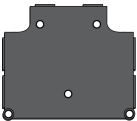






Ferrous

» Lift off the AC connector.



Material Categorization of Output Fractions

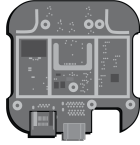
All outputs from this process must be managed, handled, and disposed of in accordance with applicable waste laws and regulations, including but not limited to the Waste Framework Directive and its national enactments in Europe.

Fraction	Downstream Processing
<p>Aluminum</p>  <p><i>EMI shield</i></p>  <p><i>Heat sink</i></p>	<p>Primary Target Material</p>  <p>Potential Additional Materials</p>  
<p>Ferrous</p>  <p><i>Fasteners (x17)</i></p>	<p>Primary Target Material</p> 

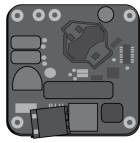
Fraction

Downstream Processing

Logic Boards



Main logic board



Power supply logic board

Primary Target Material



Precious Metals

Potential Additional Materials



Copper



Ferrous



Plastics

Mixed Electronics



Power cord



AC connector

Primary Target Material



Copper

Potential Additional Materials



Ferrous



Plastics



Precious Metals

Fraction

Downstream Processing

Mixed Plastics



Bottom cover



Enclosure

Primary Target Material

