



HomePod mini

Apple Recycler Guide

May 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 of the HomePod mini.



Model number:
A2374

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 1–10
External electric cables	Power adapter	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 eye protection



Wear protective clothing



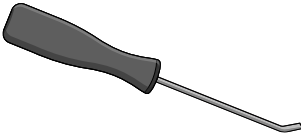
Wear hand protection



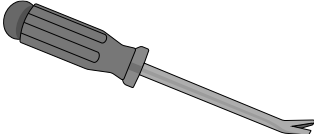
Wear foot protection

Recommended Tools

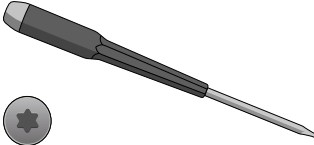
Miniature pry bar



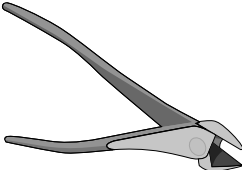
Nail-pulling screwdriver



Torx T6 screwdriver



Wire cutters



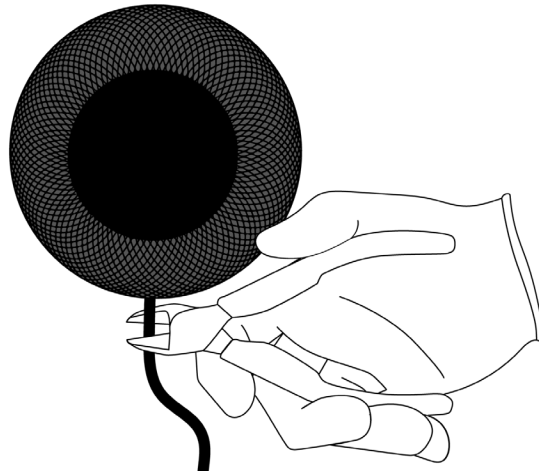
Disassembly Instructions

1. Remove the power adapter and the power cord.

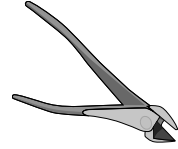
» *Unplug the power adapter. Disconnect the power cord.*

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

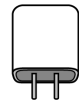
» *Cut the power cord off the bottom of the HomePod.*



Tools Used



Fraction



Power adapter

Cu

Copper

Fraction

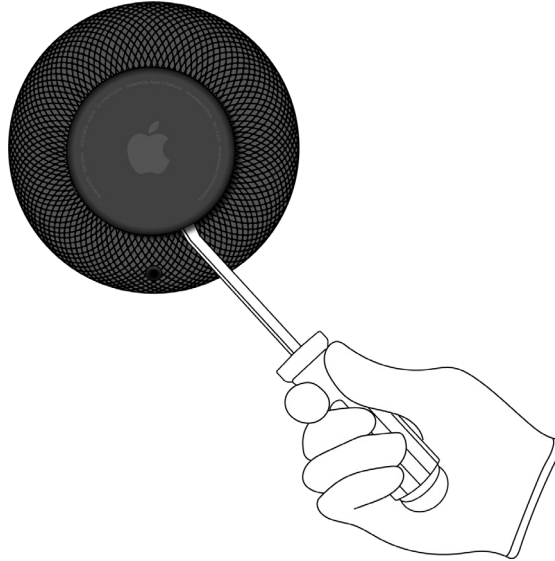


Power cord

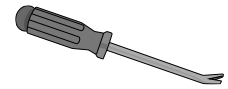
Cu

Copper

2. Pry the base off the bottom of the HomePod.



Tools Used



Fraction



Base

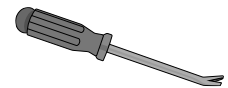
PL

Plastics

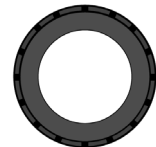
3. Pry off the anchor flange.



Tools Used



Fraction



Anchor flange

PL

Plastics

4. Pry off the anchor.



Tools Used



Fraction

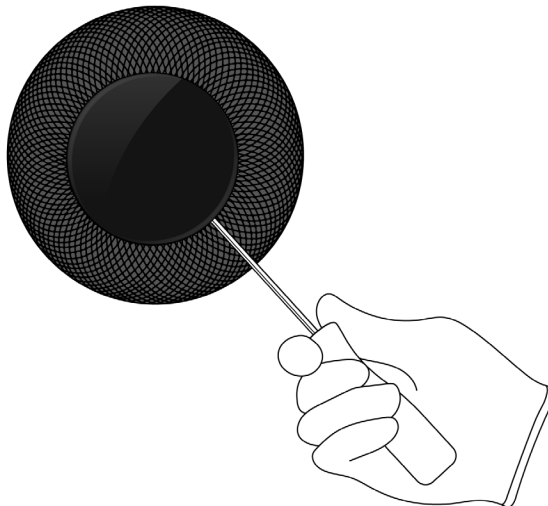


Anchor

PL

Plastics

5. Pry the cap off the top of the HomePod.



Tools Used



Fraction

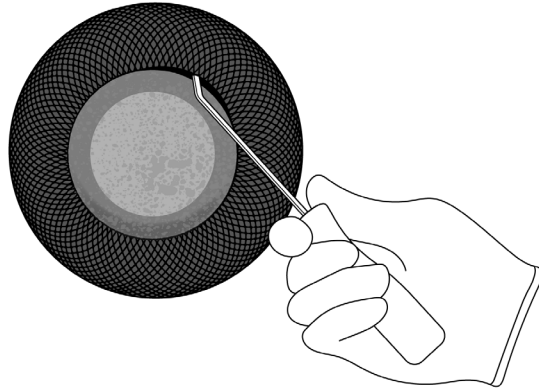


Cap

PL

Plastics

6. Pry off the module cover.



Tools Used



Fraction



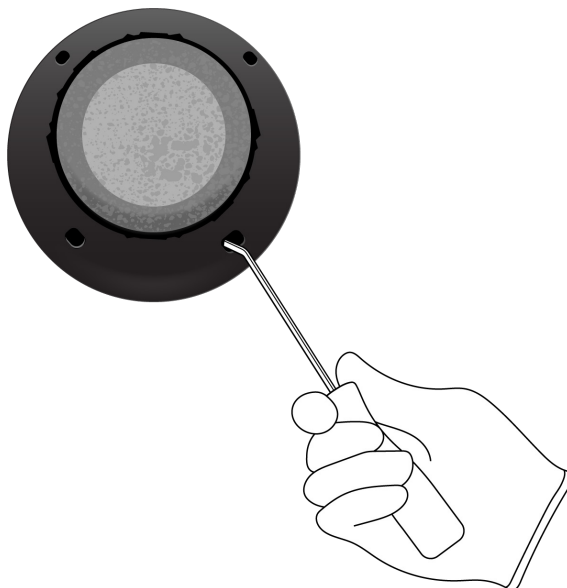
Module cover

PL

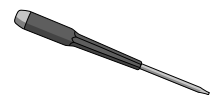
Plastics

7. Separate the upper enclosure from the middle and lower enclosure.

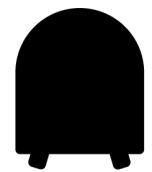
» *Pry the four fastener covers off the upper enclosure.*



Tools Used



Fraction

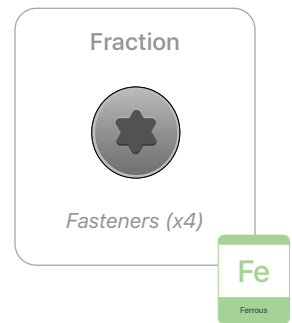


Fastener covers (x4)

PL

Plastics

» Unscrew the four Torx T6 fasteners.



» Remove the upper enclosure by hand.



8. Pry the touch sensor off the upper enclosure.



Tools Used



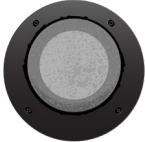
Fraction



Touch sensor

Cu
Copper

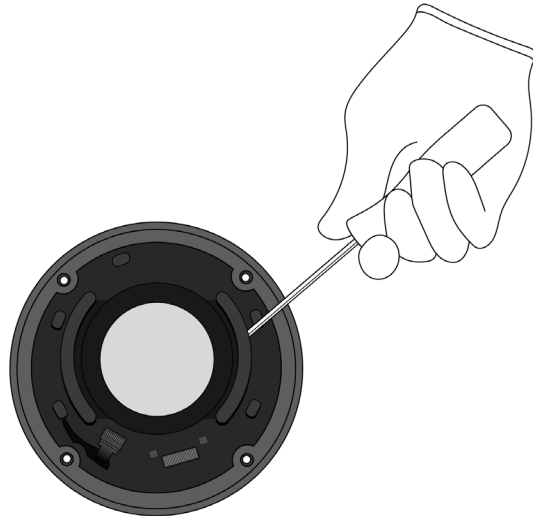
Fraction



Upper enclosure

PL
Plastics

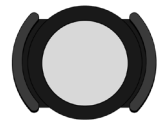
9. Pry the light-emitting diode (LED) cover off the middle enclosure.



Tools Used



Fraction

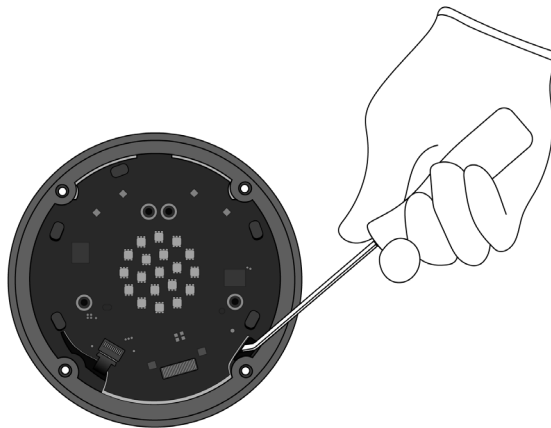


LED cover

PL

Plastics

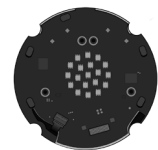
10. Pry off the main logic board.



Tools Used



Fraction



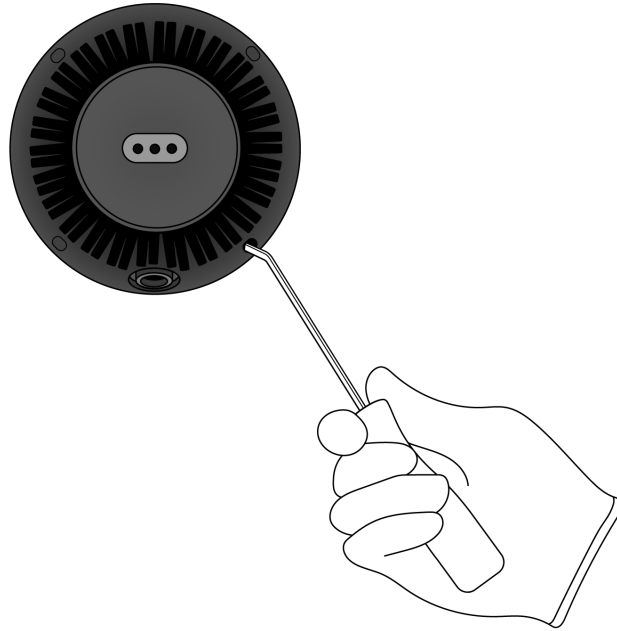
Main logic board

PMs

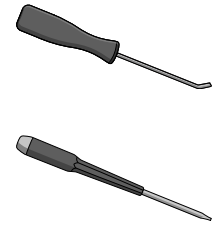
Precious Metals

11. Separate the lower enclosure from the middle enclosure.

» *Pry the four fastener covers off the lower enclosure.*



Tools Used



Fraction

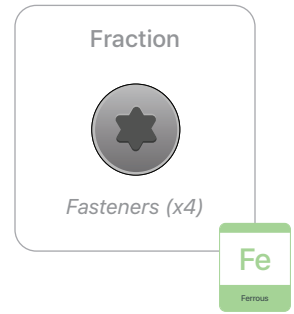
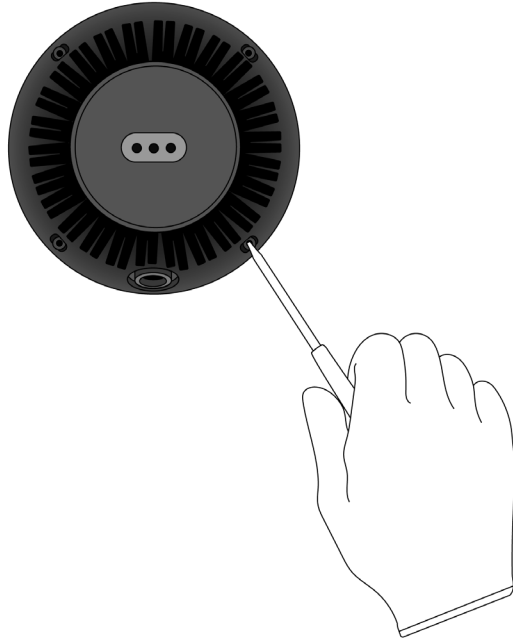


Fastener covers (x4)

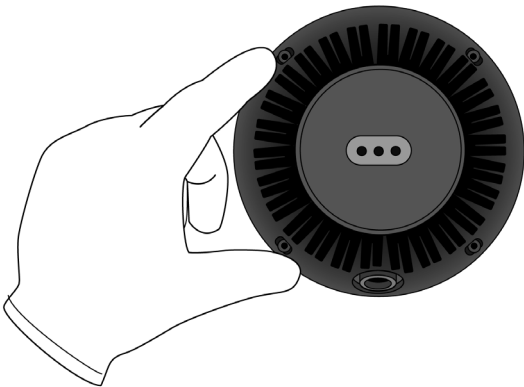
PL

Plastics

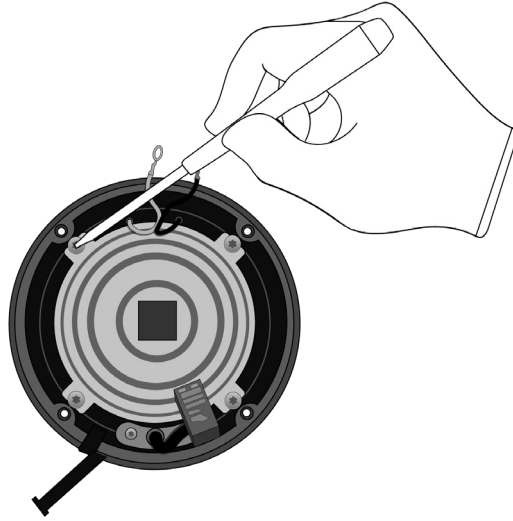
» Unscrew the four Torx T6 fasteners.



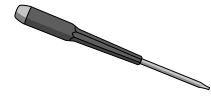
» Remove the lower enclosure by hand. Set the middle enclosure aside.



12. Remove the driver by unscrewing the four Torx T6 fasteners.



Tools Used



Fraction



Fasteners (x4)

Fe

Ferrous

Fraction

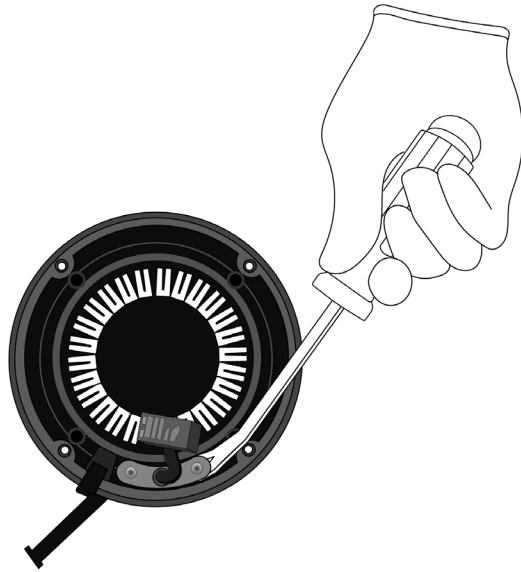


Driver

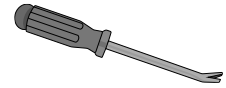
REE

Rare Earth
Elements

13. Pry off the remaining power cord.



Tools Used



Fraction

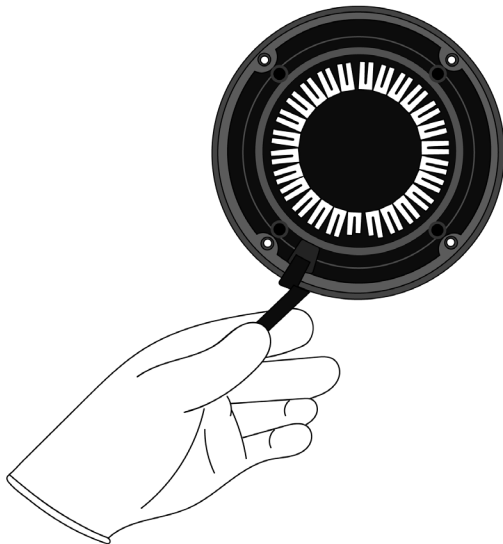


Power cord

Cu

Copper

14. Remove the sensor flex cable by hand.



Fraction



Sensor flex cable

Cu

Copper

Fraction

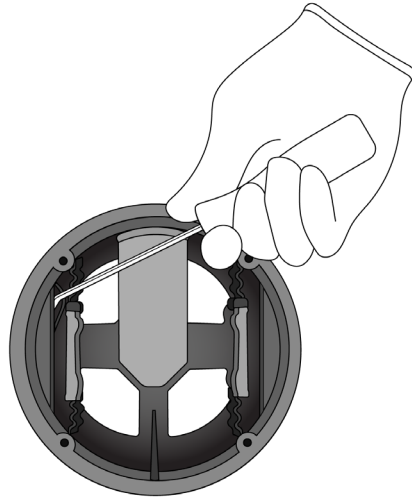


Lower enclosure

PL

Plastics

- 15.** From the middle enclosure, pry off the left passive radiator.



Tools Used



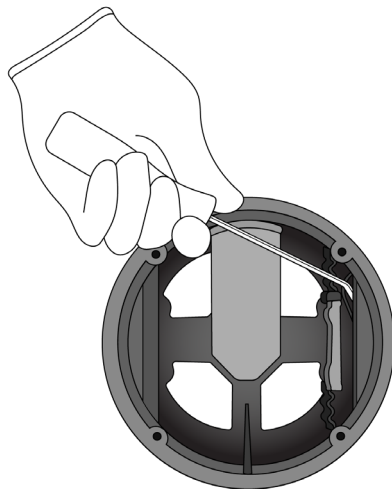
Fraction



Left passive radiator



- 16.** Pry off the right passive radiator.



Tools Used



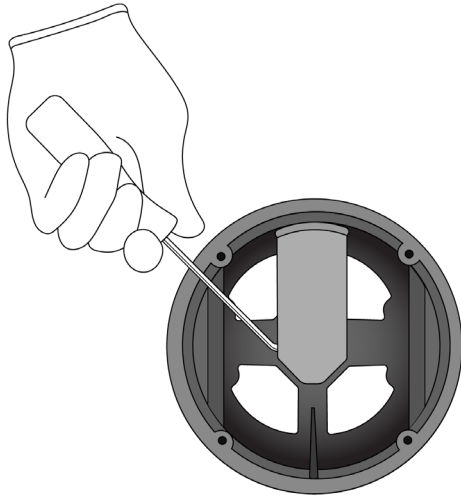
Fraction



Right passive radiator



17. Pry off the heat spreader.



Tools Used



Fraction



Heat spreader

Fe

Ferrous

Fraction




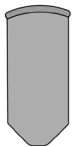




Middle enclosure

PL

Plastics

Material Categorization of Output Fractions

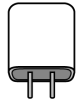
All outputs from this process must be managed, handled, and disposed of in accordance with applicable waste laws and regulations, including but not limited to the Waste Framework Directive and its national enactments in Europe.

Fraction	Downstream Processing
<p data-bbox="451 604 553 632">Ferrous</p> <div data-bbox="456 674 548 768">  </div> <p data-bbox="427 785 574 810"><i>Fasteners (x12)</i></p> <div data-bbox="467 858 537 1003">  </div> <p data-bbox="431 1018 573 1043"><i>Heat spreader</i></p>	<p data-bbox="964 604 1274 632">Primary Target Material</p> <div data-bbox="1081 674 1154 764">  </div>
<p data-bbox="415 1142 589 1169">Logic Boards</p> <div data-bbox="428 1211 574 1356">  </div> <p data-bbox="420 1373 584 1398"><i>Main logic board</i></p>	<p data-bbox="964 1142 1274 1169">Primary Target Material</p> <div data-bbox="1081 1211 1154 1302">  </div> <p data-bbox="925 1367 1313 1394">Potential Additional Materials</p> <div data-bbox="977 1438 1261 1528">  </div>

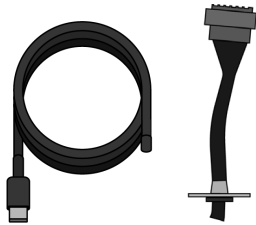
Fraction

Downstream Processing

Mixed Electronics



Power adapter



Power cords



Touch sensor



Sensor flex cable

Primary Target Material



Potential Additional Materials



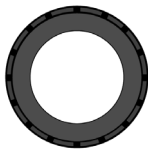
Fraction

Downstream Processing

Mixed Plastics



Base



Anchor flange



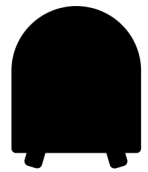
Anchor



Cap



Module cover



Fastener covers (x8)

Primary Target Material

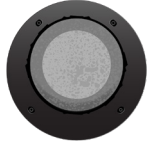


Potential Additional Material

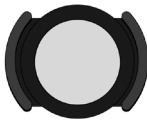


Fraction

Downstream Processing



Upper enclosure



LED cover



Lower enclosure



Middle enclosure

Fraction

Downstream Processing

Rare Earth Magnets



Driver



Left passive radiator



Right passive radiator

Primary Target Material



Potential Additional Materials

