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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 of the iMac Pro on the bottom of the stand.



Model number: A1862

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	Display logic board, light-emitting diode (LED) logic board, main logic board, power supply logic board	Follow steps 1–19
External electric cables	Power cord	Follow step 1
Battery	Coin cell battery	Follow steps 1–16
Cover glass and liquid crystal display (LCD) cell if the surface is greater than 100 square centimeters	LCD cell	Follow steps 1–10
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 a mask



Wear eye protection



Wear foot protection



Wear protective clothing

LED Safety

Broken LEDs must be handled properly to ensure the safety of your employees and mitigate any hazards. Package broken LEDs in an appropriate container to properly manage the hazards associated with the materials and store only with compatible materials. All waste must be properly classified, packaged, and labeled in accordance with all relevant laws and regulations.

Hazard Warnings



Broken glass hazard

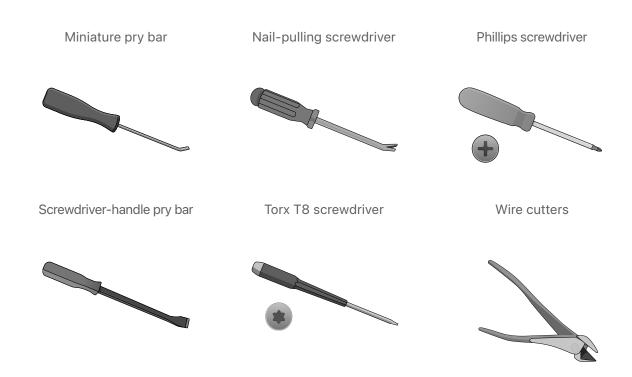


Chemical inhalation hazard



Chemical exposure hazard

Recommended Tools



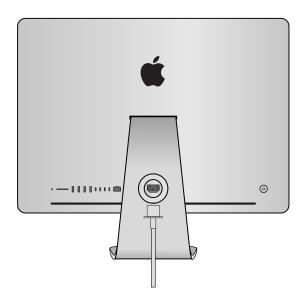
Disassembly Instructions

1. Remove the power cord.

>> Ensure that the iMac Pro is turned off.



>> Unplug the power cord from the back of the iMac Pro.



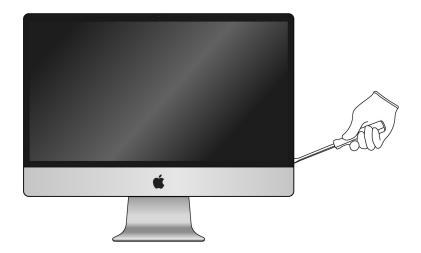
Warning: Before continuing disassembly, wait 10 minutes after unplugging the device for stored energy to discharge.



2. Pry away the display from the housing.







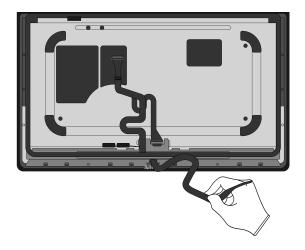
3. Separate the display from the housing.

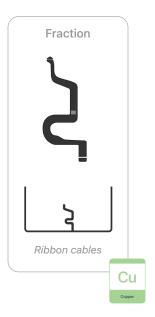
>> Disconnect the wires.

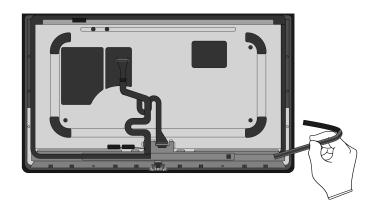


>> Lay the display face down. Set the housing aside.

4. Pull the ribbon cables off the back of the display.

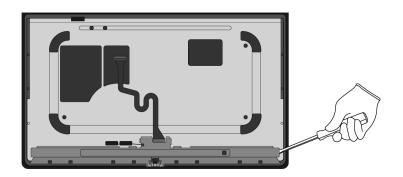






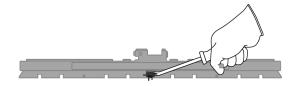
5. Remove the camera with logic board.

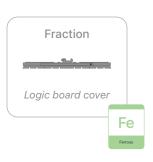
>> Pry off the logic board cover.





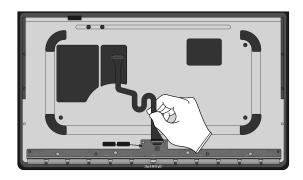
>> Pry the camera with logic board off the logic board cover.

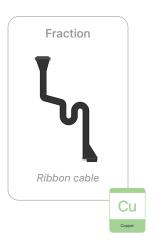




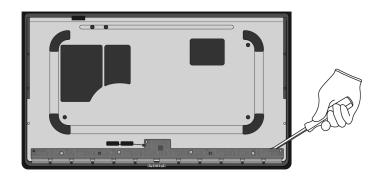


6. Pull the ribbon cable off the display logic board.



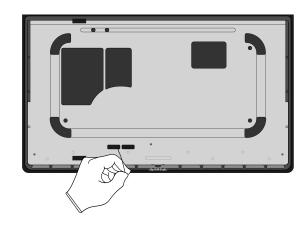


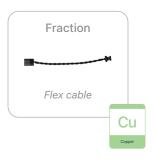
7. Pry off the display logic board.



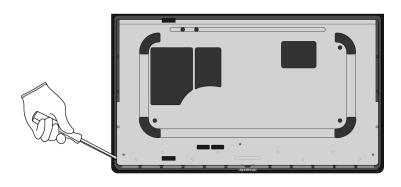


8. Pull off the flex cable.

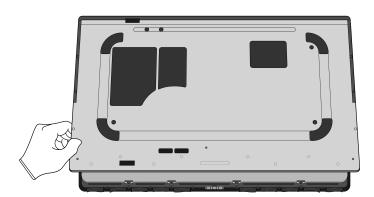




9. Pry off the mid plate. Then set the mid plate aside.

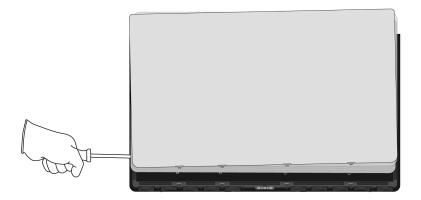




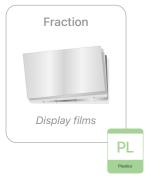


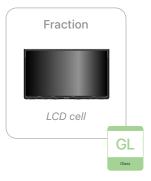
10. Pry the display films off the LCD cell.





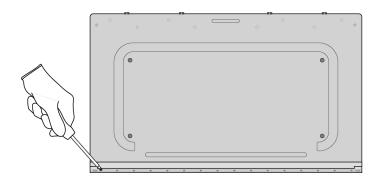




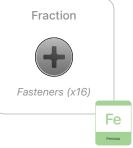


11. Separate the LED logic board and the mid plate.

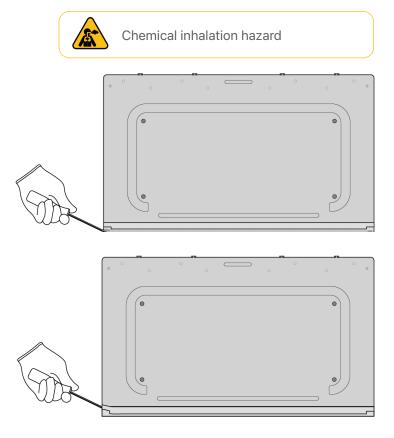
>> Unscrew the 16 Phillips fasteners.

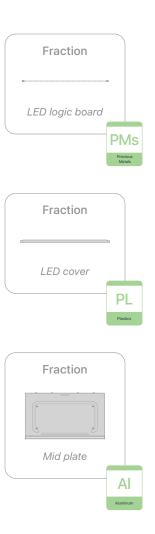




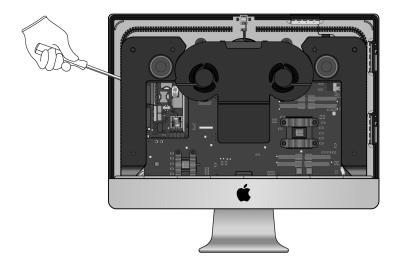


>> Pry off the LED logic board and the LED cover.





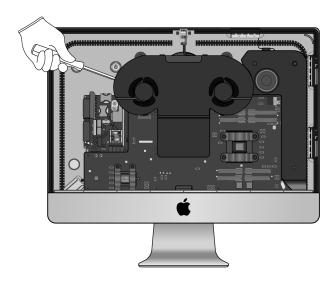
12. Pry the left speaker off the housing.



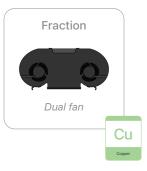


Left speaker

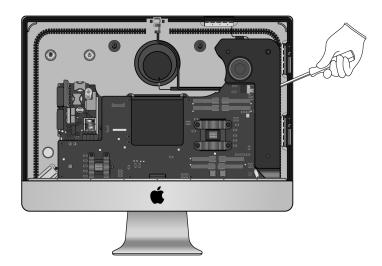
13. Pry off the dual fan.







14. Pry off the right speaker.

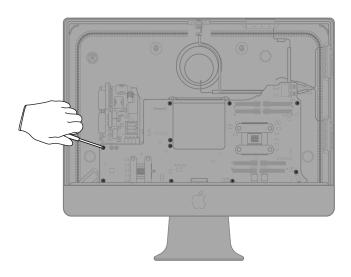




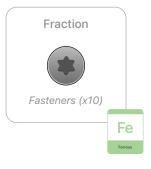


15. Remove the main logic board.

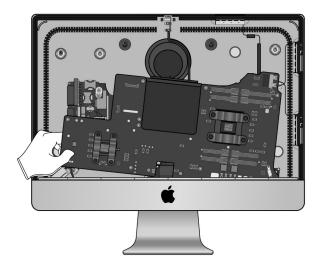
>> Unscrew the 10 Torx T8 fasteners.





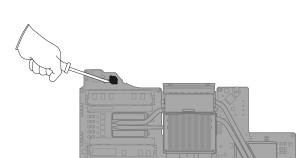


>> Pull out the main logic board. Set the housing aside.



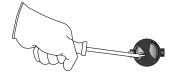
16. Remove the coin cell battery.

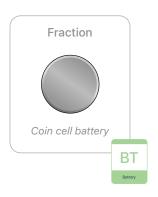
>> Pry the coin cell battery enclosure off the main logic board.

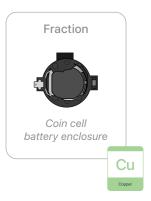




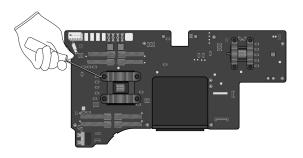
>> Pry the coin cell battery off the coin cell battery enclosure.







17. Flip over the main logic board and pry off the eight fastener covers.

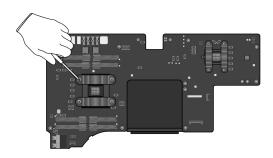




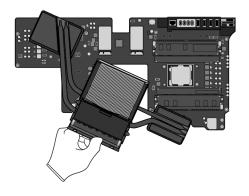


18. Remove the heat sink.

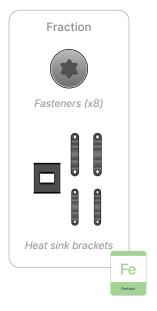
>> Remove the heat sink brackets by unscrewing the eight Torx T8 fasteners.

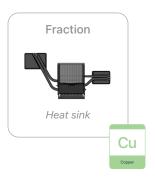


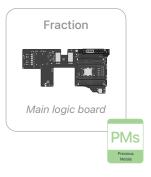
>> Flip over the main logic board and pull off the heat sink by hand.





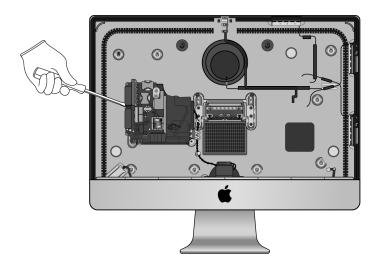




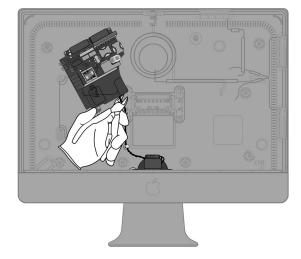


19. Remove the power supply logic board.

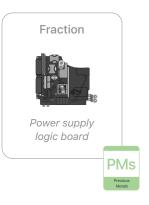
>> Pry off the power supply logic board.



>> Cut the cable connected to the power connector.

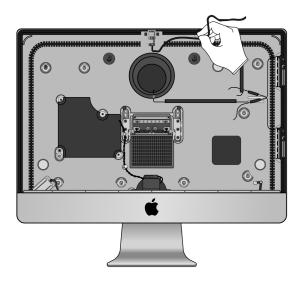




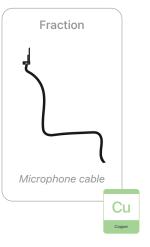


20. Remove the microphone.

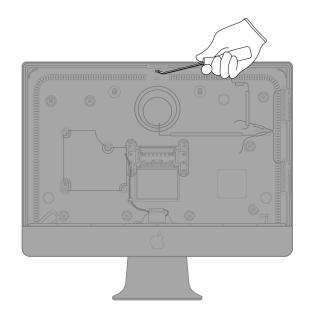
>> Pull off the microphone cable by hand.





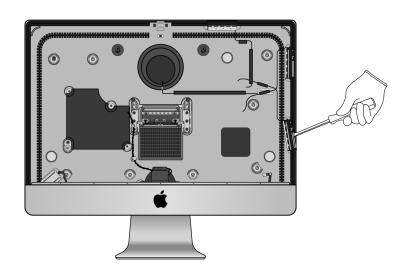


>> Pry off the microphone.

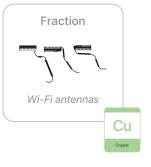




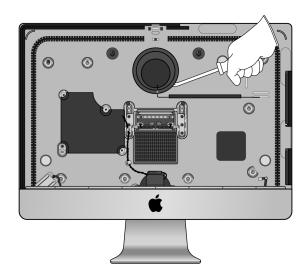
21. Pry off the three Wi-Fi antennas.



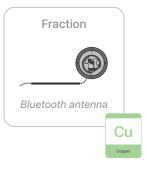




22. Pry off the Bluetooth antenna.

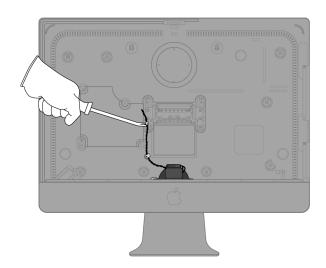




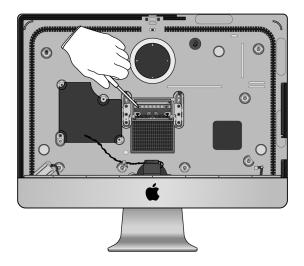


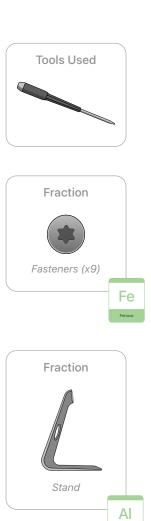
23. Pry off the brackets that hold the power connector cable to the housing.



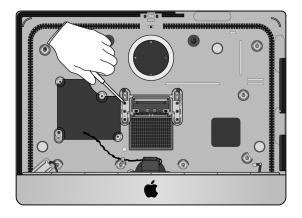


24. Remove the stand from the hinge by unscrewing the nine Torx T8 fasteners.

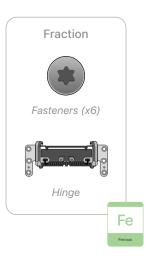




25. Remove the hinge from the housing by unscrewing the six Torx T8 fasteners.

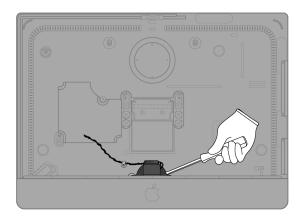




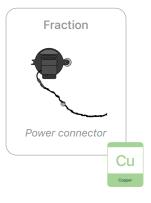


26. Remove the power connector.

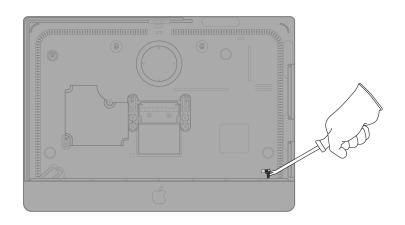
- >> Rotate the housing upside down to access the power connector.
- >> Pry off the power connector.







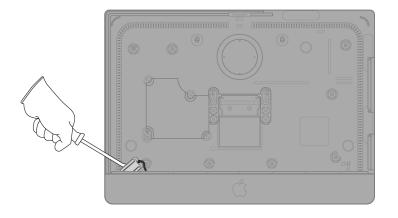
27. Pry off the headphone jack.



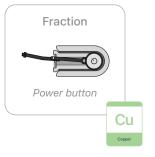


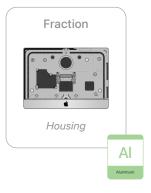


28. Pry off the power button.



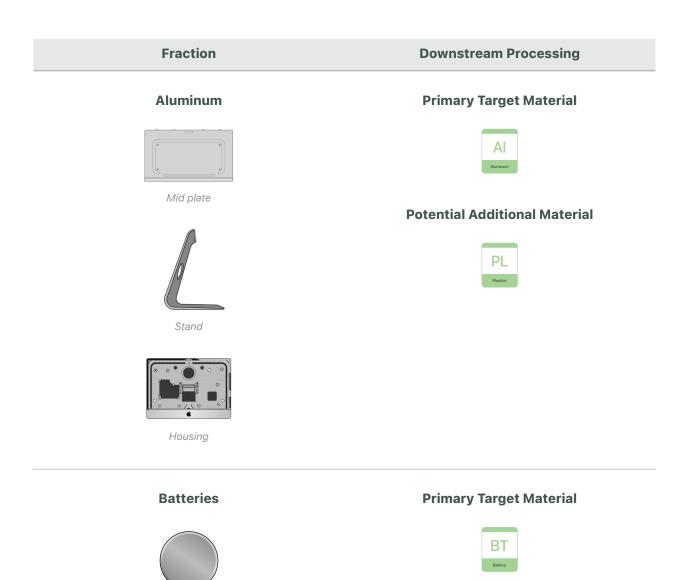






Material Categorization of Output Fractions

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.



Coin cell battery

Downstream Processing

Ferrous



Logic board cover







Fasteners (x49)



Heat sink brackets



Hinge

Primary Target Material



Glass



LCD cell

Primary Target Material







Downstream Processing

Logic Boards



Camera with logic board



LED logic board



Main logic board



Power supply logic board

Primary Target Material





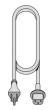






Downstream Processing

Mixed Electronics



Power cord







Ribbon cables



Flex cable

Primary Target Material









Mixed Electronics (cont.)



Dual fan



Coin cell battery enclosure



Heat sink



Microphone cable



Microphone

Mixed Electronics (cont.)



Wi-Fi antennas



Bluetooth antenna



Power connector



Headphone jack



Power button

Downstream Processing

Mixed Plastics



Display films

LED cover



Fastener covers

Primary Target Material



Rare Earth Magnets



Left speaker



Right speaker

Primary Target Material







