

Recycler Guide

Alexa Tablet 8

Alexa Tablet 11

Alexa Tablet 12 Pro

September 2026

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About this guide

This guide gives step-by-step disassembly instructions for the Alexa Tablet 8, Alexa Tablet 11 and Alexa Tablet 12 Pro, and identifies the components that Directive 2012/19/EU Annex VII requires to be removed as part of selective treatment, so recyclers can direct components to the appropriate material recycler.

The three products share an internal architecture and most of the disassembly sequence is common to all three, but the number of steps to remove the display differs by product — each product's own steps are given in that section. Part numbers and fastener counts are tabulated per product.

Disassembly procedures are intended to be performed only by trained electronics recycling professionals. The recycler is responsible for complying with all applicable environmental, health and safety laws related to the work.

This guide is disassembly-only. It is not a repair guide, and it does not cover reassembly.

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.

Contact your Amazon Device Support with questions or feedback about this guide.

Product identification

The model number is printed on the back of each device.

Table 1. Product identification

Marketing name	Model number	Configurations	Display size
Alexa Tablet 8	RL3YT5	4 GB / 64 GB · 8 GB / 128 GB	8 inch
Alexa Tablet 11	TR24E7	8 GB / 64 GB · 8 GB / 128 GB	11 inch
Alexa Tablet 12 Pro	SP24NE	8 GB / 128 GB · 16 GB / 256 GB	12 inch

Directive 2012/19/EU Annex VII

This section lists the components this guide provides removal instructions for, consistent with “**Directive 2012/19/EU Annex VII**”.

Table 2. Components in scope

Substance / component	Part name	Removal instructions
Printed circuit board if the surface is greater than 10 square centimeters	Main logic board	Follow steps 1–7 (Alexa Tablet 8), 1–8 (Alexa Tablet 11) or 1–9 (Alexa Tablet 12 Pro)
External electric cables	USB-C charge cable	Follow step 1
Battery	Battery, within the battery and rear cover subassembly	Follow all steps in the “ Removal Instructions ” for the product
Liquid crystal display, together with its casing, of a surface greater than 100 square centimeters	Display subassembly	Follow steps 1–5 (Alexa Tablet 8), 1–6 (Alexa Tablet 11) or 1–7 (Alexa Tablet 12 Pro)

Safety considerations

The recycler is responsible for ensuring compliance with all applicable laws related to the work.

All waste must be disposed in accordance with all relevant laws and regulations.

Battery safety

- Disconnect the battery connector from the main logic board before any other disconnection. This is step 5 (Alexa Tablet 8), step 6 (Alexa Tablet 11) or step 7 (Alexa Tablet 12 Pro).
- Discharge the battery to less than 15 percent before beginning any disassembly and remove anything from your person that could conduct energy, such as jewelry and watches, to avoid electric shock to yourself.
- Do not puncture, strike, crush, throw, drop or bend lithium-ion polymer batteries or devices powered by them, and do not expose them to excessive heat or sunlight.
- Near the battery, use only tools that are not sharp and do not conduct electricity, and keep your workspace clear of foreign objects and sharp materials.
- Dispose of batteries according to local environmental laws and guidelines.
- The battery is bonded to the inside face of the rear cover with pressure-sensitive adhesive. Release it thermally, per the battery release steps in the product's **"Removal Instructions"** and never exceed 70 °C measured at the rear cover or 50 °C measured at the cell surface. These are limits, not targets.
- A metal pry bar, blade or screwdriver can puncture the pouch and short the terminals — the metal prying tool listed in **"Recommended tools"** is for the USB board only. Pry at the cover, not into the cell.
- Do not bend, fold, roll or crush the cell to break the adhesive bond — a folded pouch cell can short internally with no external sign. Handle one subassembly at a time, and do not stage released cells within 2 feet (0.6 m) of each other or of the work area.

Handling a battery exotherm

If you notice any of the following signs, you should act immediately to prevent injury or property damage:

- Smoke, sparks, or soot.
- The battery pouch suddenly and quickly puffs out.
- You hear hissing or popping sounds.

Do not use water or an ABC/CO₂ fire extinguisher on a battery exotherm, or a device containing one. Water and ABC/CO₂ fire extinguishers will not stop the reaction.

Do smother the battery or device immediately with plenty of clean, dry sand, dumped all at once.

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 non-contact thermometer to measure the battery temperature. Do not touch the battery until you have confirmed it is safe to do so.

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

Recommended tools

These tools cover all three products. Tools marked for the battery release are additional to those needed for the rest of the procedure. Personal protective equipment is recommended for this procedure.

Table 3. Recommended tools

Tool	Used for
Heating bag	Softening the display edge adhesive
Suction clamp	Lifting the display off the adhesive line
Plastic picks	Holding the display gap open around the edges
Phillips screwdriver, PH00	All threaded fasteners
Plastic prying tool	Connectors, brackets, cover plates, main logic board
Metal prying tool	Lifting the USB board only. Not for use near the cell
Anti-static tweezers	Cover plate clips, small components
Pointed-tip ESD-safe tweezers	Coaxial cable connectors
Lint-free cloth and isopropyl alcohol, 90 percent or higher	Removing adhesive residue
Freeze spray, or a freezer unit capable of -40 °C or lower	Chilling the rear cover to embrittle the battery adhesive
Temperature-controlled heat plate or heat mat	Warming the rear cover to soften the battery adhesive. Not a heat gun
Non-contact infrared thermometer	Verifying the rear cover and cell surface temperature limits
Heat gun or temperature-controlled hot plate, 150 °C	Softening the epoxy bond between the internal frame and the aluminium cover, minimum 30 minutes
Plastic scraper	Removing adhesive residue from the cover after the frame is released
PPE: Heat-resistant gloves - recommended	Handling the heating bag and the rear cover during frame release
PPE: Cut-resistant gloves – recommended	Handling display glass and sharp fasteners
PPE: Safety glasses - recommended	Protection against loose glass shards and adhesive splatter

Alexa Tablet 8

Model RL3YT5.

Alexa Tablet 8 — exploded view

Alexa Tablet 8

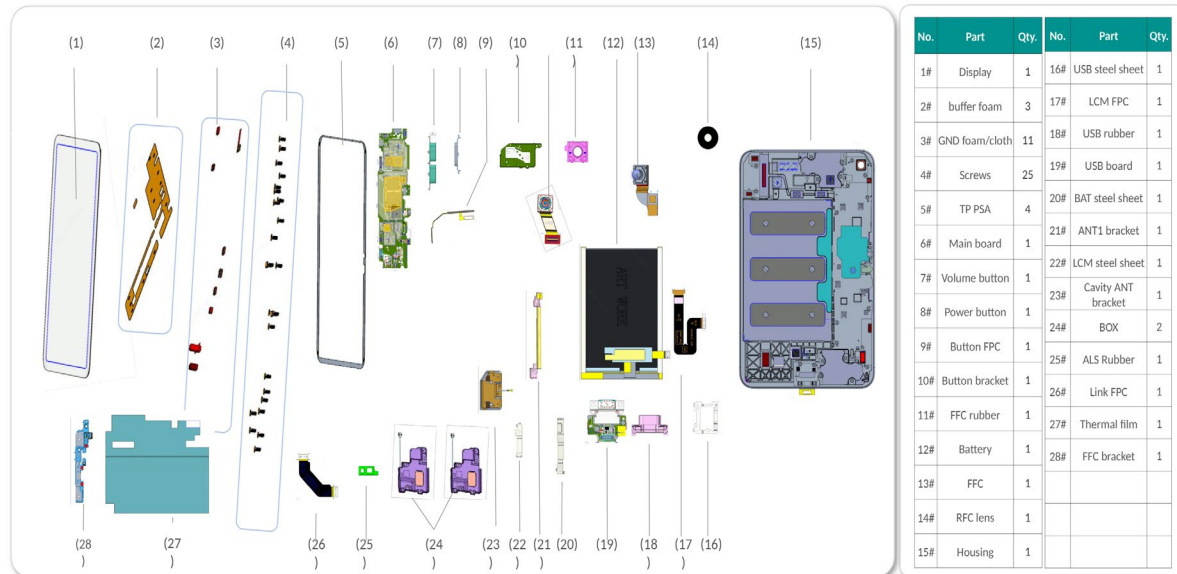


Table 4. Alexa Tablet 8 (model RL3YT5) — part numbers and fasteners

Component	Part number	Fasteners	Step
Display subassembly	55-100731	2 — connector cover plate	5
Side key bracket	Not sold separately	4	6
Front camera	55-100740	2 — bracket	6
Rear camera	55-100741	None — board-to-board connector	6
Speakers, left and right	55-100742	8	6
USB board	55-100739	6 — with cover plates	6
Antenna brackets ANT1, ANT2	Not sold separately	5	6
Main logic board	55-100735 (4/64) · 55-100738 (8/128)	None — clips and pry points	7
Battery and rear cover subassembly	55-100732 / 733 / 734	None — bonded	8–10
Internal frame (PC GF30), bonded to the aluminium cover	Not confirmed	None — bonded	11–13

Battery-release cautions

Refer to “Battery safety” in Safety considerations for battery-release cautions.

Removal Instructions

1. Remove the USB-C charge cable, the power adapter, and any case or cover.
2. Heat the heating bag in the microwave, then place it on the edges of the display for 2 to 3 minutes per edge. The adhesive runs along the edges only.

Caution: The heating bag may become very hot. Wear protective gloves when handling the heating bag. Touching the heating pad may result in burns or other serious injury.

3. Remove the heating bag. Attach the suction clamp at the top edge, the side with the front camera and pull outward while holding the device, section by section along the heated edges. Insert plastic picks into the gap and work around all four edges clockwise, leaving the picks in to stop the adhesive resealing.

NOTE: DO NOT apply excessive force when handling the display. Doing so may crack or permanently damage the screen.

NOTE: The display adhesive is applied along the edges only. DO NOT insert the plastic pick too deeply, as this could damage internal components such as the display flexible cable or connectors, resulting in display malfunction.

4. Lift the display and hold it up. A flexible cable on its underside connects to the main logic board.

Caution: If the display glass cracks or shatters, take precautions to avoid injury, such as wearing cut-resistant gloves and safety glasses, and use clear adhesive tape over the affected area to contain any loose glass shards.

NOTE: DO NOT pull the display forcefully, as a flexible cable (LCD FPC) connecting the display to the main logic board is attached to the underside of the display. Doing so could permanently damage the connection.

5. Remove the 2 connector cover plate screws, release the clips with tweezers and lift the plates off. Disconnect the battery connector first, then the display connectors. Remove the display.

NOTE: Disconnect the battery connector before performing any other disconnection or repair work to eliminate the risk of electrical hazard. Be careful not to damage battery with the tool when disconnecting the battery connector.

6. Remove the components covering the main logic board — side key bracket, front and rear cameras, speaker modules, USB board, antenna brackets. Release the coaxial cables from their sockets with tweezers before the antenna brackets.

NOTE: DO NOT pinch, bend, or apply excessive force to the coaxial cables.

7. Fold the graphite sheet back, disconnect the remaining connectors (rear camera, left speaker, front camera, coaxial cable, battery, USB board, right speaker), and pry the main logic board out with a plastic prying tool. This is the Annex VII printed circuit board component.

8. Chill the outside face of the rear cover over the battery footprint — freeze spray in 10 to 15 second bursts, one quadrant at a time, or -40°C for 15-30 minutes. Never apply the tool to the cell.

9. While the adhesive is still cold, insert a plastic pry bar at a corner of the footprint, between the cell edge and the cover, and shear the adhesive line. Re-chill any zone that regains tack. Lift the cell out by its edges and let it reach ambient before packaging.

10. If the bond does not release cold, warm the outside of the cover to no more than 70°C , up to 3 minutes per zone, and peel the cell away slowly. Verify with a non-contact thermometer and stop if the cell surface reaches 50°C . No heat gun.

11. **With the cell removed** and the cover at ambient temperature, separate the internal frame from the aluminium cover. The frame is bonded to the cover with a structural two-part epoxy and does not release cold. Heat the outside face of the cover, over the frame footprint only, to 150°C for a minimum of 30 minutes, until the adhesive softens.

12. While the adhesive is soft, insert a plastic or non-marring metal pry bar at a corner of the frame and lift it away from the cover in one continuous motion. Re-heat any zone that cools and regains grip before it releases. Do not strike or flex the cover to break the bond.
13. Scrape any adhesive residue from the cover with a plastic scraper. Light residue can be left on the cover;

Alexa Tablet 11

Model TR24E7.

Alexa Tablet 11 — exploded view

Alexa Tablet 11

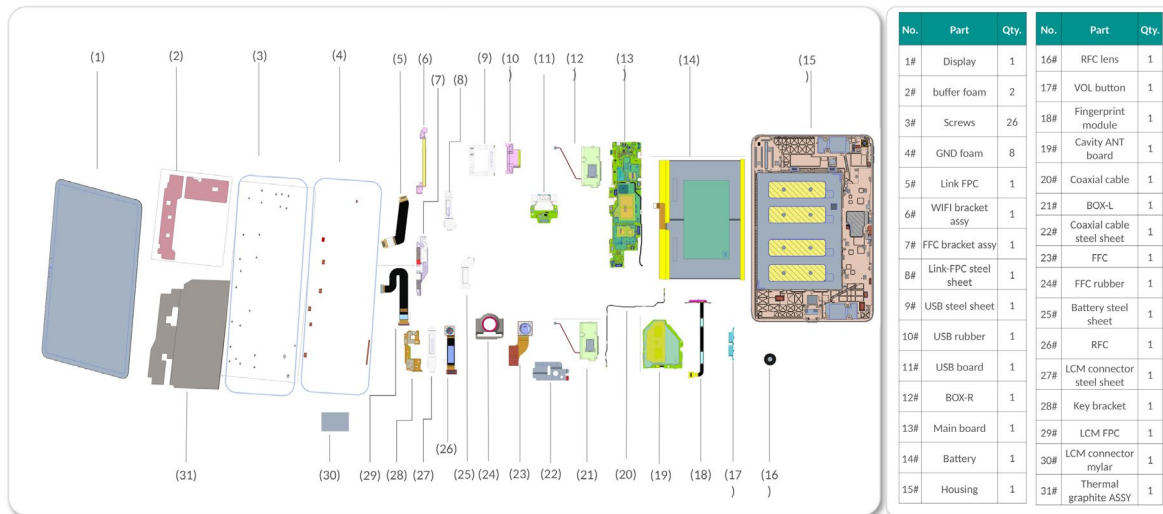


Table 5. Alexa Tablet 11 (model TR24E7) — part numbers and fasteners

Component	Part number	Fasteners	Step
Display subassembly	55-100869	2 — connector cover plate	6
Side key bracket	Not sold separately	5	7
Front camera	55-100876	3 — bracket	7
Rear camera	55-100877	None — board-to-board connector	7
Speakers, left and right	55-100878	Not confirmed	7
USB board	55-100875	5 — with cover plates	7
Antenna board and bracket	Not sold separately	5	7
Main logic board	55-100873 (8/64) · 55-100874 (8/128)	None — clips and pry points	8
Battery and rear cover subassembly	55-100870 / 871 / 872	None — bonded	9–11
Internal frame (PC GF30), bonded to the aluminium cover	Not confirmed	None — bonded	12–14

Battery-release cautions

Refer to “Battery safety” in Safety considerations for battery-release cautions.

Removal Instructions

1. Remove the USB-C charge cable, the power adapter, and any case or cover.
2. Heat the heating bag in the microwave, then place it on the edges of the display for 2 to 3 minutes per edge. The adhesive runs along the edges only.

Caution: The heating bag may become very hot. Wear protective gloves when handling the heating bag. Touching the heating pad may result in burns or other serious injury.

3. Remove the heating bag. Attach the suction clamp at the top edge, the side with the front camera and pull outward while holding the device, section by section along the heated edges. Insert plastic picks into the gap and work around all four edges clockwise, leaving the picks in to stop the adhesive resealing.

NOTE: DO NOT apply excessive force when handling the display. Doing so may crack or permanently damage the screen.

NOTE: The display adhesive is applied along the edges only. DO NOT insert the plastic pick too deeply, as this could damage internal components such as the display flexible cable or connectors, resulting in display malfunction.

4. Lift the display and hold it up. A flexible cable on its underside connects to the main logic board.

Caution: If the display glass cracks or shatters, take precautions to avoid injury, such as wearing cut-resistant gloves and safety glasses, and use clear adhesive tape over the affected area to contain any loose glass shards.

NOTE: DO NOT pull the display forcefully, as a flexible cable (LCD FPC) connecting the display to the main logic board is attached to the underside of the display. Doing so could permanently damage the connection.

5. Remove the 2 connector cover plate screws and lift off the display cover plate. Using tweezers, release the clip and lift off the battery cover plate.

6. Disconnect the battery connector first, then the display connectors. Remove the display.

NOTE: Disconnect the battery connector before performing any other disconnection or repair work to eliminate the risk of electrical hazard. Be careful not to damage battery with the tool when disconnecting the battery connector.

7. Remove the components covering the main logic board — side key bracket, front and rear cameras, speaker modules, USB board, antenna brackets. Release the coaxial cables from their sockets with tweezers before the antenna brackets.

NOTE: DO NOT pinch, bend, or apply excessive force to the coaxial cables. Damage to the cable connectors on either the male (cable) or female (main logic board) side may result in loss of wireless connectivity.

8. Fold the graphite sheet back, disconnect the remaining connectors (rear camera, fingerprint sensor, left speaker, coaxial cable, battery, front camera, USB board, right speaker), and pry the main logic board out with a plastic prying tool. This is the Annex VII printed circuit board component.

9. Chill the outside face of the rear cover over the battery footprint — freeze spray in 10 to 15 second bursts, one quadrant at a time, or -40°C for 10 to 15 minutes. Never apply the tool to the cell.

10. While the adhesive is still cold, insert a plastic pry bar at a corner of the footprint, between the cell edge and the cover, and shear the adhesive line. Re-chill any zone that regains tack. Lift the cell out by its edges and let it reach ambient before packaging.

11. If the bond does not release cold, warm the outside of the cover to no more than 70°C , up to 3 minutes per zone, and peel the cell away slowly. Verify with a non-contact thermometer and stop if the cell surface reaches 50°C . No heat gun.

12. With the cell removed and the cover at ambient temperature, separate the internal frame from the aluminium cover. The frame is bonded to the cover with a structural two-part epoxy and does not

release cold. Heat the outside face of the cover, over the frame footprint only, to 150 °C for a minimum of 30 minutes, until the adhesive softens.

13. While the adhesive is soft, insert a plastic or non-marring metal pry bar at a corner of the frame and lift it away from the cover in one continuous motion. Re-heat any zone that cools and regains grip before it releases. Do not strike or flex the cover to break the bond.
14. Scrape any adhesive residue from the cover with a plastic scraper. Light residue can be left on the cover;

Alexa Tablet 12 Pro

Model SP24NE.

Alexa Tablet 12 Pro — exploded view

Alexa Tablet 12 Pro

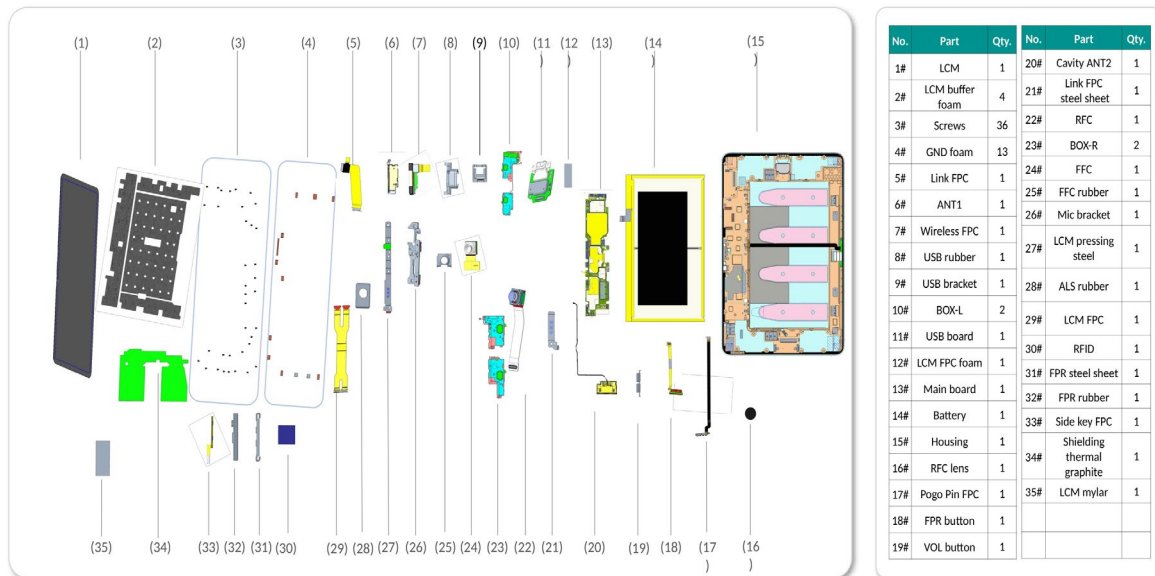


Table 6. Alexa Tablet 12 Pro (model SP24NE) — part numbers and fasteners

Component	Part number	Fasteners	Step
Display subassembly	55-100917 Glossy · 55-100918 Nanomatte	4 — connector cover plate	5
Side key bracket	Not fitted to this model	—	—
Front camera	55-100923	Not confirmed	8
Rear camera	55-100924	None — board-to-board connector	8
Speaker modules L1, L2, R1, R2	55-100925	9 — after the cover plates	8
USB board	55-100922	5 — with cover plates	8
Antenna brackets ANT1, ANT2	Not sold separately	Not confirmed	8
Main logic board	55-100920 (8/128) · 55-100921 (16/256)	1 — cover plate; board on clips	9
Battery and rear cover subassembly	55-100919	None — bonded	10–12
Internal frame (PC GF30), bonded to the aluminium cover	Not confirmed	None — bonded	13–15

Battery-release cautions

Refer to “Battery safety” in Safety considerations for battery-release cautions.

Removal Instructions

1. Remove the USB-C charge cable, the power adapter, and any case or cover.

2. Heat the heating bag in the microwave, then place it on the edges of the display for 2 to 3 minutes per edge. The adhesive runs along the edges only.

Caution: The heating bag may become very hot. Wear protective gloves when handling the heating bag. Touching the heating pad may result in burns or other serious injury.

3. Remove the heating bag. Attach the suction clamp at the bottom edge, the side opposite the front camera and pull outward while holding the device, section by section along the heated edges. Insert plastic picks into the gap and work around all four edges clockwise, leaving the picks in to stop the adhesive resealing.

NOTE: DO NOT apply excessive force when handling the display. Doing so may crack or permanently damage the screen.

NOTE: The display adhesive is applied along the edges only. DO NOT insert the plastic pick too deeply, as this could damage internal components such as the display flexible cable or connectors, resulting in display malfunction.

4. Lift the display and hold it up. A flexible cable on its underside connects to the main logic board.

Caution: If the display glass cracks or shatters, take precautions to avoid injury, such as wearing cut-resistant gloves and safety glasses, and use clear adhesive tape over the affected area to contain any loose glass shards.

NOTE: DO NOT pull the display forcefully, as a flexible cable (LCD FPC) connecting the display to the main logic board is attached to the underside of the display. Doing so could permanently damage the connection.

5. Remove the 4 connector cover plate screws, release the clip with tweezers and lift the plate off.

6. Lift the graphite sheet to expose the battery connector on the main logic board.

7. Disconnect the battery connector first, then the display connectors. Remove the display.

NOTE: Disconnect the battery connector before performing any other disconnection or repair work to eliminate the risk of electrical hazard. Be careful not to damage battery with the tool when disconnecting the battery connector.

8. Remove the components covering the main logic board — cover plates, right speaker modules and USB board, left speaker modules, front and rear cameras, antenna brackets ANT1 and ANT2. Release the coaxial cables from their sockets with tweezers before the antenna brackets.

NOTE: DO NOT pinch, bend, or apply excessive force to the coaxial cables. Damage to the cable connectors on either the male (cable) or female (main logic board) side may result in loss of wireless connectivity.

9. Fold the graphite sheet back, disconnect the remaining connectors (rear camera, fingerprint sensor, left speaker L2, coaxial cable, pogo pin, front camera, battery, USB board, right speaker R1), and pry the main logic board out with a plastic prying tool. This is the Annex VII printed circuit board component.

10. Chill the outside face of the rear cover over the battery footprint — freeze spray in 10 to 15 second bursts, one quadrant at a time, or -40°C for 10 to 15 minutes. Never apply the tool to the cell.

11. While the adhesive is still cold, insert a plastic pry bar at a corner of the footprint, between the cell edge and the cover, and shear the adhesive line. Re-chill any zone that regains tack. Lift the cell out by its edges and let it reach ambient before packaging.

12. If the bond does not release cold, warm the outside of the cover to no more than 70 °C, up to 3 minutes per zone, and peel the cell away slowly. Verify with a non-contact thermometer and stop if the cell surface reaches 50 °C. No heat gun.
13. With the cell removed and the cover at ambient temperature, separate the internal frame from the aluminium cover. The frame is bonded to the cover with a structural two-part epoxy and does not release cold. Heat the outside face of the cover, over the frame footprint only, to 150 °C for a minimum of 30 minutes, until the adhesive softens.
14. While the adhesive is soft, insert a plastic or non-marring metal pry bar at a corner of the frame and lift it away from the cover in one continuous motion. Re-heat any zone that cools and regains grip before it releases. Do not strike or flex the cover to break the bond.
15. Scrape any adhesive residue from the cover with a plastic scraper. Light residue can be left on the cover;

Additional resources

- Find disposal and recycling information for these products on the Amazon Device Support website, selecting the appropriate country.

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