

HMD Skyline SIM Card Tray Replacement

Follow this guide to remove or replace the SIM...



INTRODUCTION

Follow this guide to remove or replace the SIM card tray—which includes the microSD card expansion—in your HMD Skyline smartphone.

TOOLS:

SIM Card Eject Tool

Step 1 – Remove the SIM card tray



- Firmly press a SIM eject tool, bit, or straightened paper clip into the SIM tray hole on the bottom edge of your phone until the tray ejects.
 - Remove the SIM card tray.
- i** A thin rubber gasket around the SIM tray provides water and dust protection. If this gasket is damaged or missing, replace the gasket or the entire SIM tray to protect your phone's internal components.
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HMD Skyline Back Cover Replacement

Follow this guide to replace a cracked or...



INTRODUCTION

Follow this guide to replace a cracked or damaged back cover on your HMD Skyline smartphone.

The back cover includes the wireless charging coil. If your phone's wireless charging is intermittent or not charging at all, you may need to replace the back cover.



TOOLS:

T3 Torx Screwdriver

Opening Picks (Set of 6)

Step 1 — Prepare your phone for disassembly



Let your phone's battery drain below 25% before starting this repair. A charged lithium-ion battery may catch fire if damaged.

- Unplug all cables and completely power off your phone.

Step 2 – Separate the back cover



- ⓘ A screw-driven camshaft in the bottom left corner pushes the back cover away from the phone, creating a gap to begin separating the cover.
- With the back cover facing up, use a T3 Torx screwdriver to turn the screw in the bottom edge counterclockwise until the back cover pops up.

Step 3



- ⓘ Before separating the back cover, note the following:
 - There's a seam just under the back cover panel. Don't insert your tool here.
 - Insert your tool completely under the back cover, so it's between the frame and the underside of the back cover.
 -
- ⓘ Insert an opening pick under the bottom left corner of the back cover and slide it along the bottom edge to release the clips and separate the adhesive.
You should feel and hear the back cover clips release. If you don't, insert the pick deeper and try again.

Step 4



- Continue sliding the pick under the perimeter of the back cover to fully separate the clips and adhesive.

Step 5 — Remove the back cover



- Lift and remove the back cover. During
- ✦ reassembly:
 - Now is a good time to test your phone before sealing it up. Power it on and check that it works. Power it back down before you continue reassembly.
 - ⓘ If you're installing a new back cover:
 - Make sure you remove all liners from the underside. (Refer Snap-1 in next Page)
 - Use the flat end of a spudger to press the small cable above the wireless charging coil into paste over its alignment posts. (Refer Snap-2 in next
 - Page)

Place the back cover onto the frame and firmly squeeze around the

perimeter to re-engage all the clips.

Snap 1



Snap 2



HMD Skyline Battery Replacement

Follow this guide to replace dead or worn-out...



INTRODUCTION

Follow this guide to replace a dead or worn-out battery in your HMD Skyline smartphone.

Your phone's lithium-ion battery has a limited lifespan. If your phone dies quickly and doesn't hold a charge, it may be time to replace the battery.

You'll need replacement battery adhesive to complete this repair.

If your battery is swollen, take appropriate precautions.



TOOLS:

T3 Torx Screwdriver

Opening Picks (Set of 6)

Spudger Tweezers

Step 1 – Prepare your phone for disassembly



Let your phone's battery drain below 25% before starting this repair. A charged lithium-ion battery may catch fire if damaged.

- Unplug all cables and completely power off your phone.

Step 2 – Separate the back cover



- ⓘ A screw-driven camshaft in the bottom left corner pushes the back cover away from the phone, creating a gap to begin separating the cover.
- With the back cover facing up, use a T3 Torx screwdriver to turn the screw in the bottom edge *counterclockwise* until the back cover pops up.

Step 3



- ⓘ
 - Before separating the back cover, note the following:
 - There's a seam just under the back cover panel. Don't insert your tool here.
 - Insert your tool completely under the back cover, so it's between the frame and the underside of the back cover.
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 - ⓘ Insert an opening pick under the bottom left corner of the back cover and slide it along the bottom edge to release the clips and separate the adhesive. You should feel and hear the back cover clips release. If you don't, insert the pick deeper and try again.

Step 4



- Continue sliding the pick under the perimeter of the back cover to fully separate the clips and adhesive.

Step 5 – Remove the back cover



- Lift and remove the back cover. During

- ✦ reassembly:

Now is a good time to test your phone before sealing it up. Power it on and check that it works. Power it back down before you continue reassembly.

- ⓘ If you're installing a new back cover:

- Make sure you remove from the underside. (Refer Snap -1 on next Page)
Use the flat end of a spudger to press the small cable above the wireless charging coil into place over its alignment posts. (Refer Snap -2 on next Page).

Place the back cover onto the frame and firmly squeeze around the perimeter to reengage all the clips.

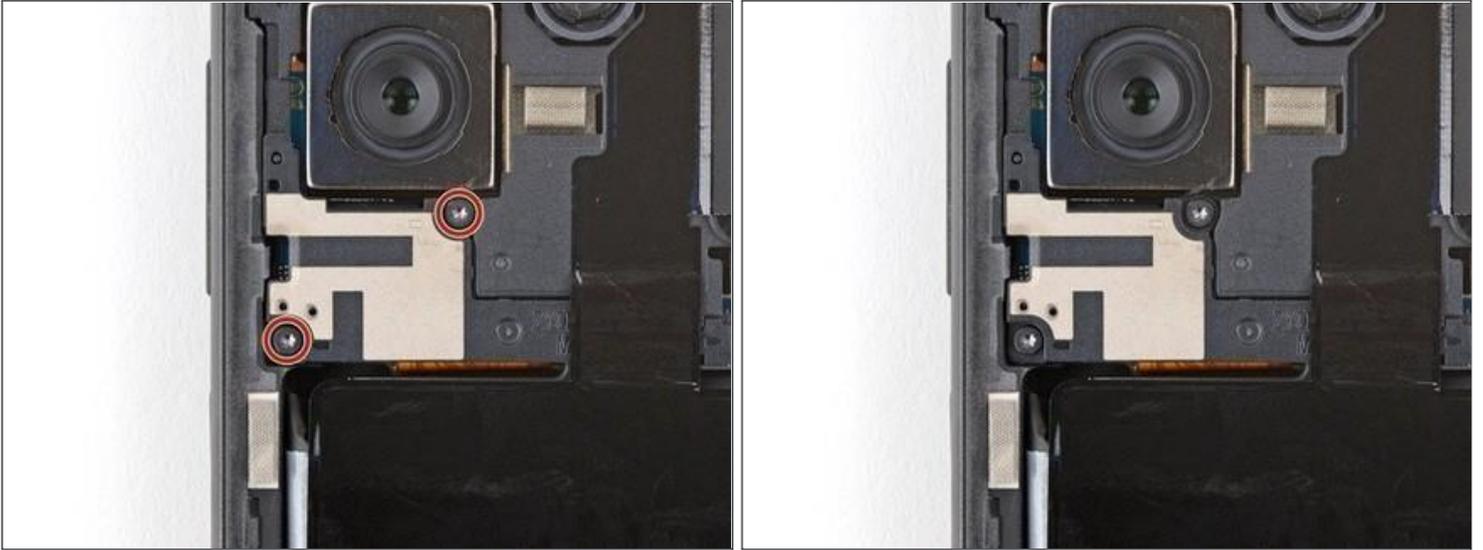
Snap-1



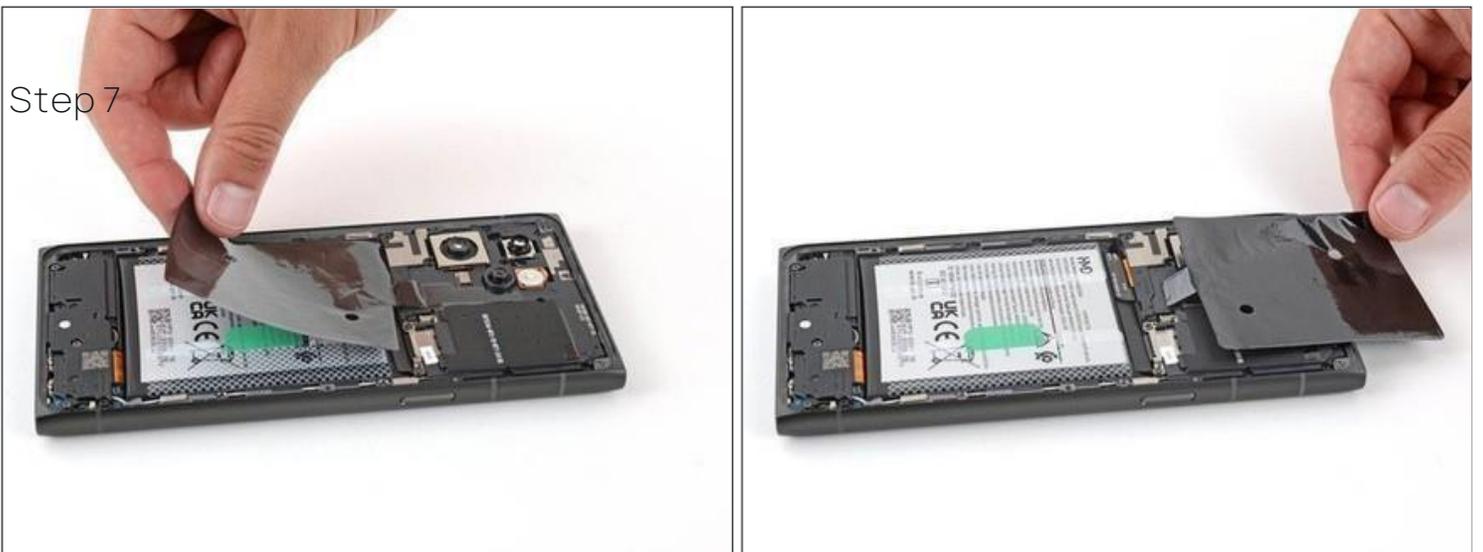
Snap-2



Step 6 – Disconnect the battery



Use a T3 Torx screwdriver to remove the two screws securing the battery connector cover.



Gently flip the graphite sheet on the battery over the top edge of your phone.

Be careful not to tear the sheet, as it's very delicate.

Step 8



-
- ① Insert the point of a spudger in the notch on the left edge of the battery connector cover and pry up to release its clips.

- Only insert your tool enough to pry up the cover. Otherwise, you may accidentally disconnect the rear camera press connector. (Refer Snap-3 on next Page).



Remove the cover.

During reassembly, firmly press the cover into place to engage the clips.



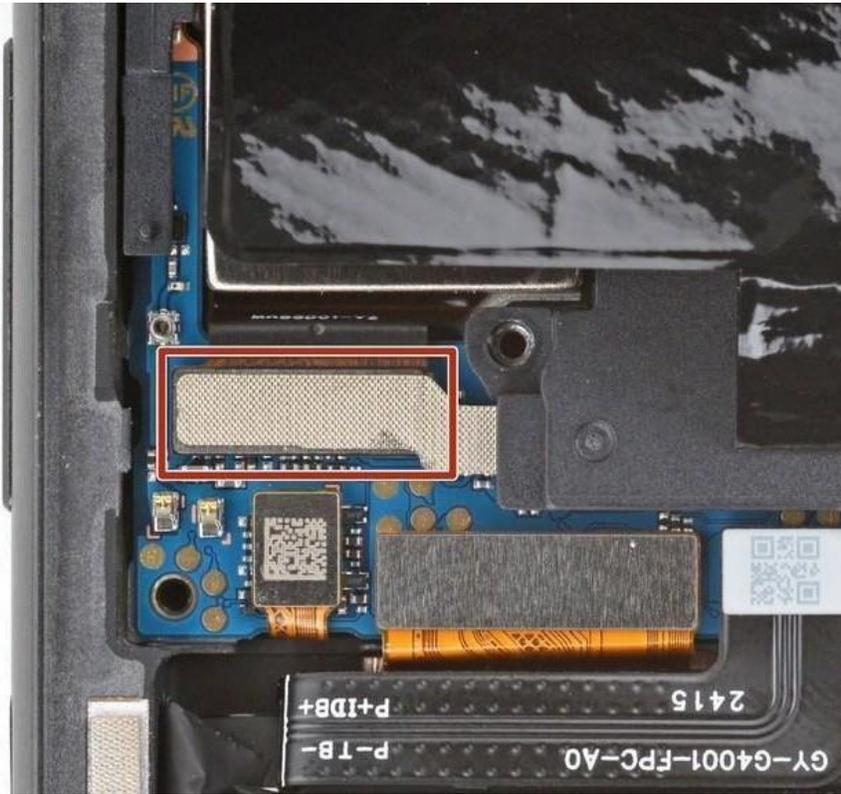
Step 9

-
-
- ① Insert the tip of an opening pick under the top edge of the battery press connector (Refer Snap -4 on next Page) and pry up to disconnect it.

Check if the rear camera press connector got disconnected during the previous step. If it did, reconnect it.

To reconnect a press connector, align it over the socket and gently press down on one side until it clicks into place, then press down on the other side. It might take a few tries to align the connector.

Snap 3



Snap-4



Step 10 – Separate the battery adhesive



Be very careful not to bend, crease, or puncture the battery during the next few steps. A damaged battery can leak dangerous chemicals and catch fire.

Use your fingers to carefully peel the three plastic tabs from the right side of the battery.



Step 11



With one hand, fold the clear outer tabs out of the way of the battery and firmly hold them down to secure the frame.

If you're having trouble with the tabs, you can fold them under the phone and

 tape them to the screen.

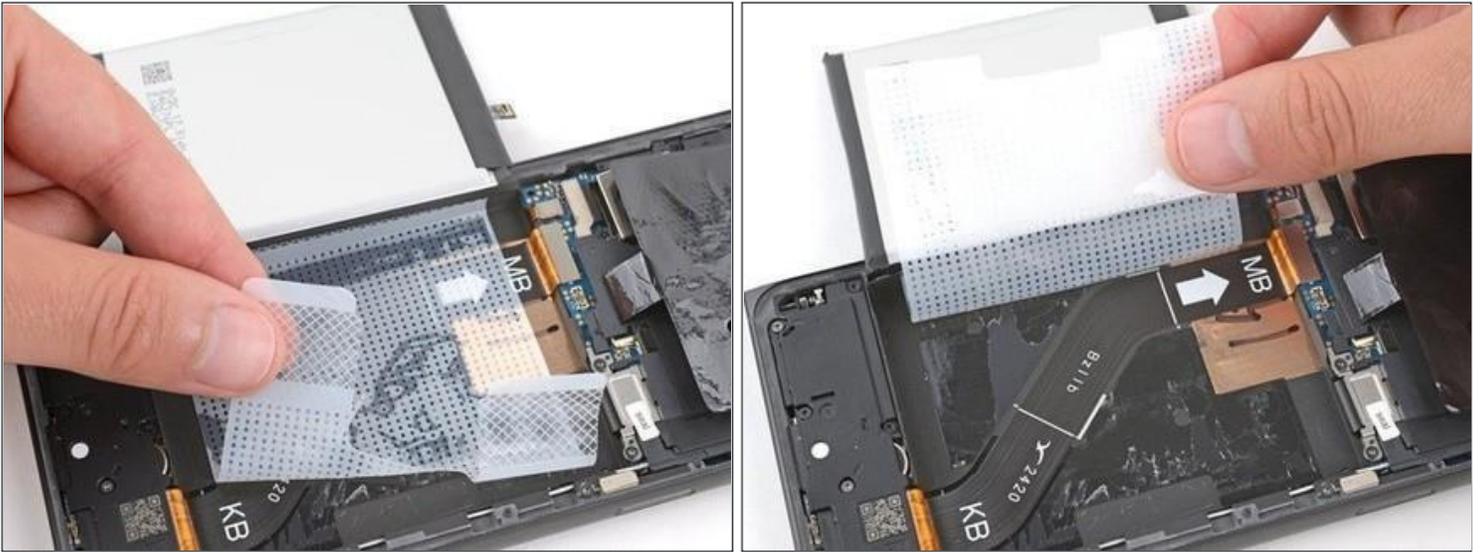
With your free hand, grip the green center pull tab and pull straight up to fully separate the battery adhesive.

Depending on the age of your phone and strength of the adhesive, you may

need to apply constant, steady pressure to allow the adhesive to separate.

Lay the battery over the left edge of your phone.

Step 12



Use your fingers to peel the battery's plastic film from the frame.



Step 13 – Remove the battery



Remove the battery and its film.

Never reuse a deformed or damaged battery, as it's a potential safety hazard.

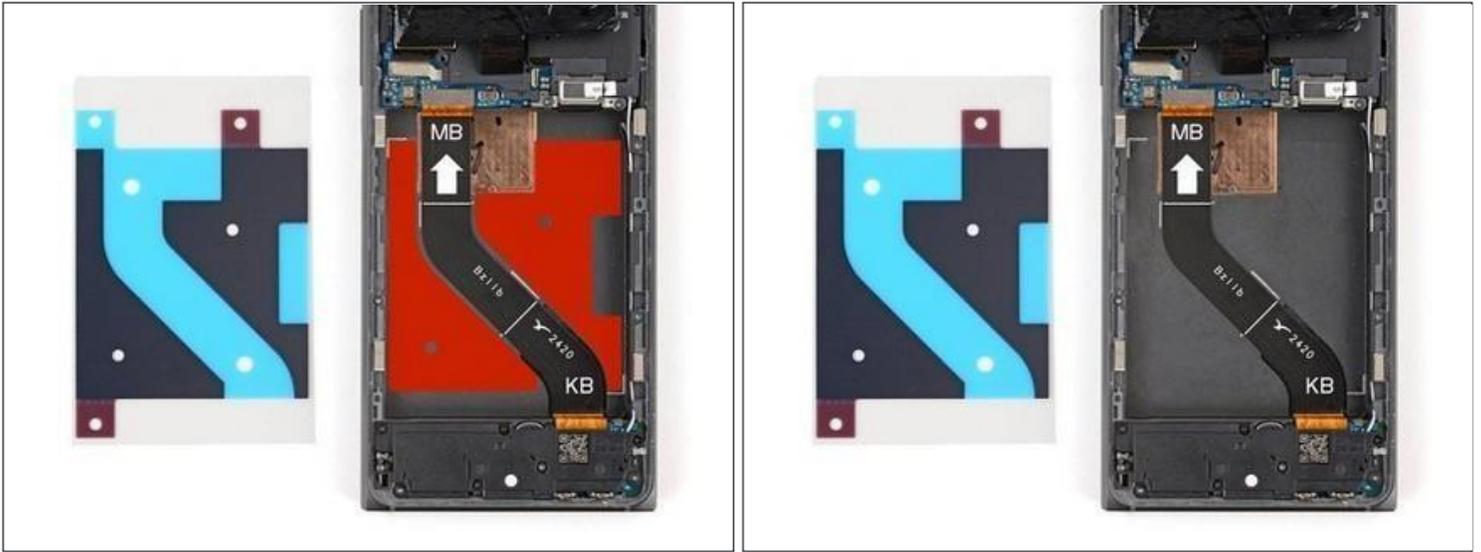
Replace it with a new battery.

Step 14 – Remove the old battery adhesive



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- Use a spudger to scrape up a corner of the old adhesive until you can grip it with a pair of tweezers. Grip the adhesive with your tweezers and slowly peel it up.
-  To get a better hold on the adhesive, grip the tweezers close to the tips and twist them to roll the adhesive around the tweezers.
- Repeat the process to peel up and remove all the old adhesive.

Step 15 – Apply your replacement adhesive



- Before applying the new adhesive, it's helpful to see how it will be oriented in the battery recess.

Hold the replacement adhesive so the clear textured liner is on the bottom and place it into the battery recess to find the proper orientation.



Remove the clear textured liner to expose the adhesive.

Carefully place the adhesive into the battery recess, using the white marks to

align the top left and bottom right corners.

Step 17



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- Press down on the entire surface of the adhesive with your finger to secure it in the recess. Use the flat end of a spudger to press down and secure the edges of the adhesive.

Step 18 – Remove all the liners



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-  Use the pull tab on the top left corner to peel up and remove the large blue liner. If any of the adhesive starts to peel up with the liner, gently lay it back down and use the flat end of a spudger to secure it.

Step 19



Use the pull tabs in the bottom left and top right corners to remove the two remaining red liners.

Step 20 – Adhere your battery



- Carefully hold the battery above its recess and reconnect the press connector – this ensures proper fit and alignment.

Firmly press the battery into its recess to secure it with the adhesive. Return to

- your original repair manual and continue with reassembly.

To reassemble your device, follow these instructions in reverse order, starting with this step.

HMD Skyline Screen Replacement

Follow this guide to replace a broken, cracked,...



INTRODUCTION

Follow this guide to replace a broken, cracked, or non-responsive screen on your HMD Skyline smartphone.



TOOLS:

SIM Car Ejector Tool

T3 Torx Screwdriver

Opening Picks (Set of 6)

Spudger

Step 1 — Prepare your phone for disassembly



Let your phone's battery drain below 25% before starting this repair . A charged lithium-ion battery may catch fire if damaged.

- Unplug all cables and completely power off your phone.

Step 2 – Separate the back cover



A screw-driven camshaft in the bottom left corner pushes the back cover away from the phone, creating a gap to begin separating the cover.

- With the back cover facing up, use a T3 Torx screwdriver to turn the screw in the bottom edge *counterclockwise* until the back cover pops up.

Step 3



● Before separating the back cover, note the following:

There's a seam just under the back cover panel. Don't insert your tool here.

- Insert your tool completely under the back cover, so it's between the frame and the underside of the back cover.



Insert an opening pick under the bottom left corner of the back cover and slide it

along the bottom edge to release the clips and separate the adhesive.

 You should feel and hear the back cover clips release. If you don't, insert the pick deeper and try again.

Step 4



Continue sliding the pick under the perimeter of the back cover to fully separate the clips and adhesive.

Step 5 — Remove the back cover



Lift and remove the back cover. During



reassembly:



Now is a good time to test your phone before sealing it up. Power it on and check that it works. Power it back down before you continue reassembly.



If you're installing a new back cover:



- Make sure you remove all liners from the underside. (Refer Snap-1 in next Page)



- Use the flat end of a spudger to press the small cable above the wireless charging coil into place over its alignment posts (Refer Snap-2 in next Page).

- Place the back cover onto the frame and firmly squeeze around the perimeter to reengage all the clips.

Snap 1



Snap -2



Step 6 – Remove the screen screws



Use a T3 Torx screwdriver to remove the thirteen 4.9 mm-long screws securing the screen to the frame.

i These screws will be a different color or slightly different shade than the rest.

Step 7



Gently flip the graphite sheet on the battery over the top edge of your phone.

! Be careful not to tear the sheet, as it's very delicate.

Step 8 – Disconnect the battery



- - Insert the point of a spudger in the notch on the left edge of the battery connector cover and pry up to release its clips.
 - i Only insert your tool enough to pry up the cover. Otherwise, you may accidentally disconnect the rear camera press connector (Refer Snap - 3 in next Page)
- - Remove the cover.
 - ★ During reassembly, firmly press the cover into place to engage the clips.

Step 9

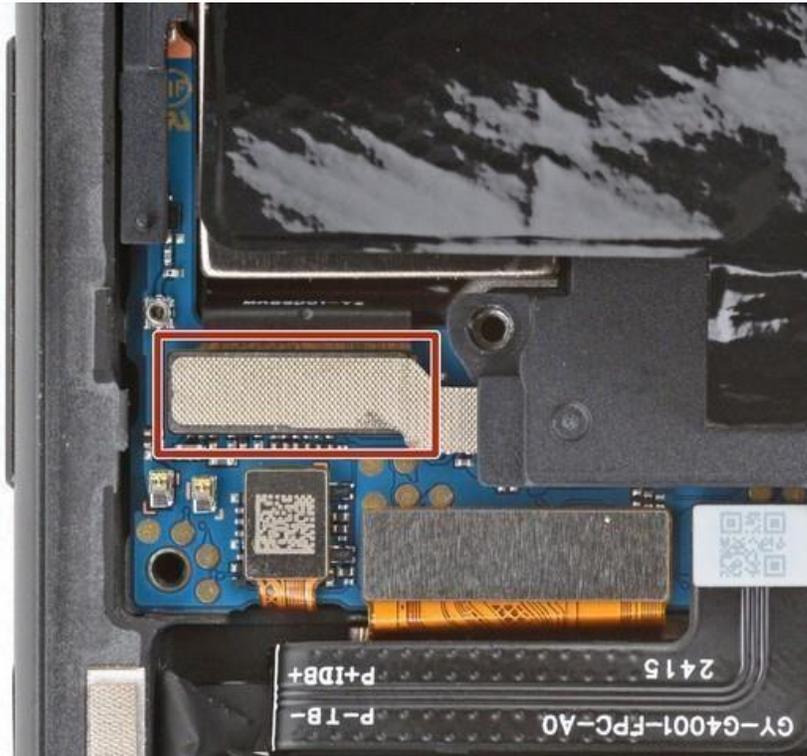


- - Insert the tip of an opening pick under the top edge of the battery press connector and pry up to disconnect it. (Refer Snap -4 in next Page) .

- Check if the rear camera press connector got disconnected during the previous step. If it did, reconnect it.

ⓘ To reconnect a press connector, align it over the socket and gently press down on one side until it clicks into place, then press down on the other side. It might take a few tries to align the connector.

Snap - 3



Snap - 4



connector and pry up to disconnect it.

Snap -5



Step 12 – Remove the screen



- - Use one hand to grip the bottom corners of the frame and lift your phone slightly off of your work surface (about 1/2 an inch or roughly 15 mm).
 - i* Make sure you're only gripping the frame, and not the screen and frame together. Otherwise, the screen won't be able to separate.
- With your free hand, use a SIM eject Tool - (Refer Snap -6 in next Page) to *gently* push down on the screen through the cutout in the bottom corner of the frame. This should separate the screen, causing it to fall onto your work surface. (Refer Snap -7 in next Page)
- Guide the screen cable through its cutout and lift the frame off the screen.
- Set the frame down on a clean surface so the cameras are facing up.

Snap -6



Snap -7



Step 13 – Reassembly information



- During reassembly:
 - Remove any tape or liners from the back of the screen—check the screen cable and front facing camera cutout. (Refer Snap -8 in next Page.)
- Hold the frame in one hand and your replacement screen in the other.
- Thread the screen cable through its cutout on the *front* of the frame and press the screen into place so it's flush in the frame. (Refer Snap -9 in next Page)
- Lay your phone screen side down on a soft cloth, making sure the screen doesn't detach from the frame.
 - Simultaneously press down on all four corners of your phone to fully seat the screen ● in the frame.
 - Use a T3 Torx screwdriver to install four screen screws in the corners of the
- frame— this ensures that the screen doesn't detach from the frame during reassembly.



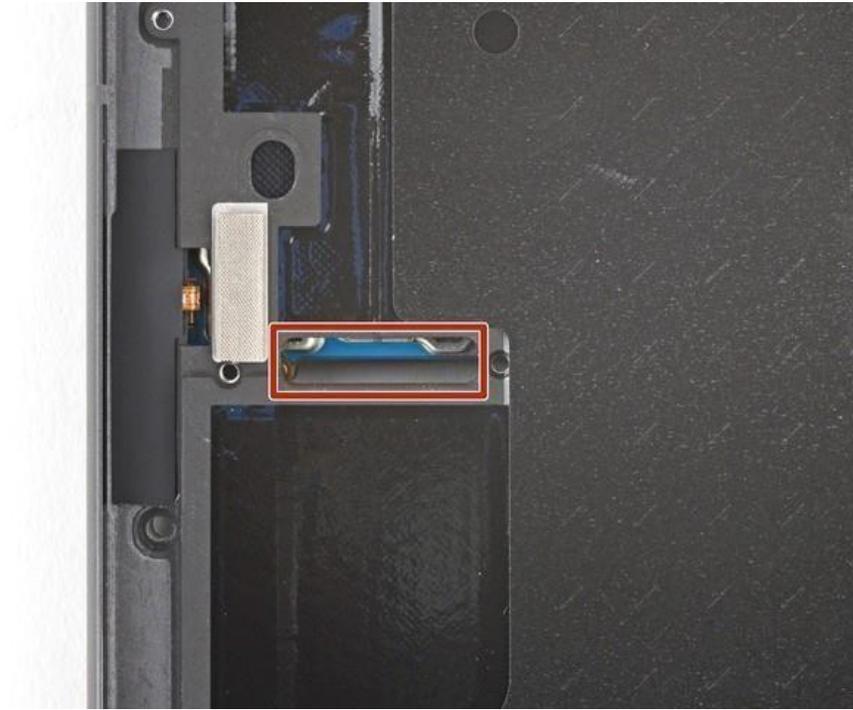
If the screws aren't catching, double-check that the screen is fully seated.

To reassemble your device, follow these instructions in reverse order.

Snap-8

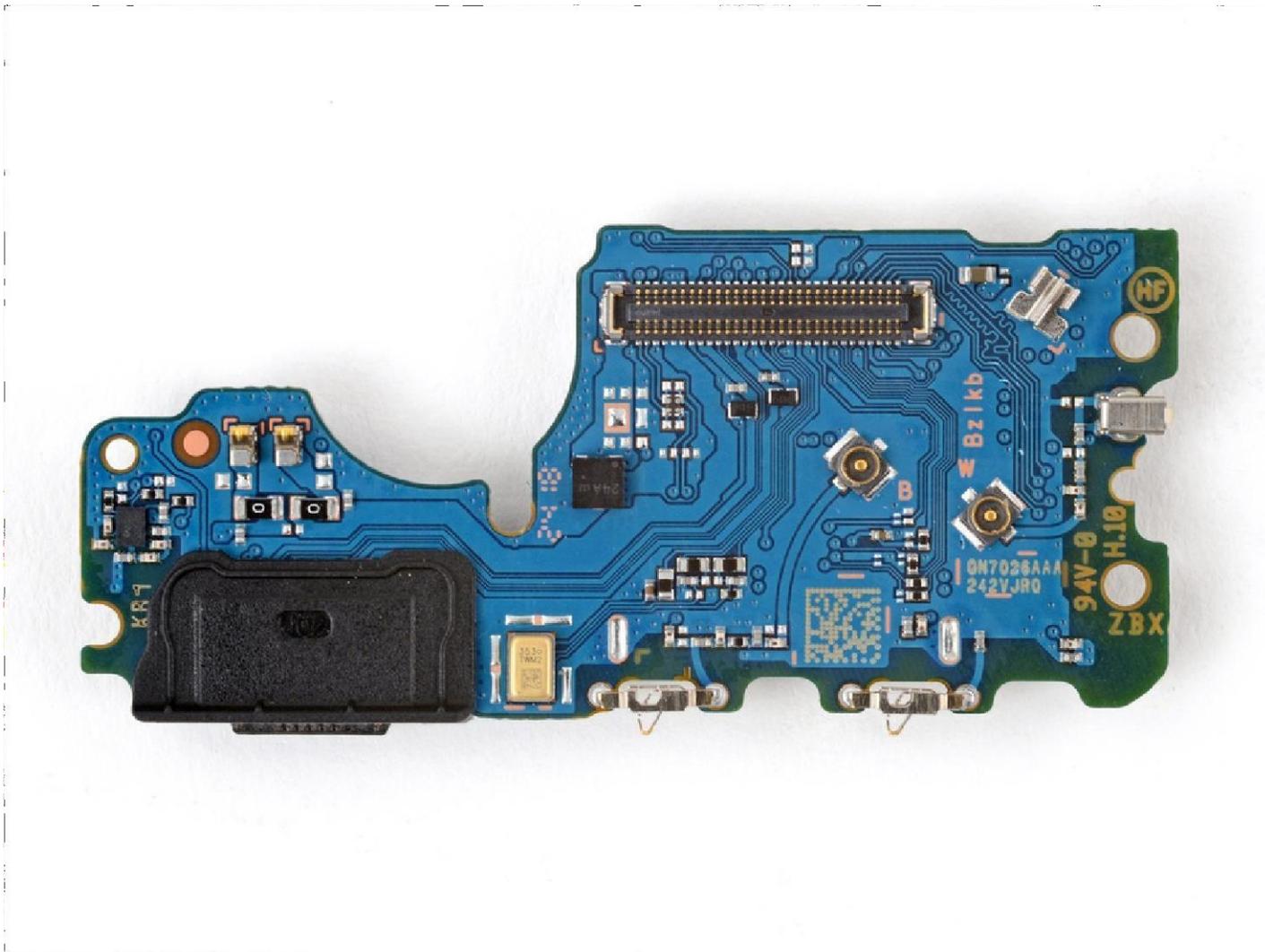


Snap-9



HMD Skyline Charging Board Replacement

Follow this guide to replace the charging board...



INTRODUCTION

Follow this guide to replace the charging board in your HMD Skyline smartphone.

The USB-C charging port and storage expansion/SIM tray are attached to the charging board. If the USB-C port breaks, you have problems charging your phone, or the SIM tray isn't inserting correctly, you'll need to replace the entire charging board.



TOOLS:

SIM Card Eject Tool

T3 Torx Screwdriver Opening Picks (Set of 6) Spudger

Angled Tweezer

Step 1 — Prepare your phone for disassembly



Let your phone's battery drain below 25% before starting this repair . A charged lithium-ion battery may catch fire if damaged.

- Unplug all cables and completely power off your phone.

Step 2 – Remove the SIM card tray



- Firmly press a SIM eject tool, bit, or straightened paper clip into the SIM tray hole on the bottom edge of your phone until the tray ejects.
 - Remove the SIM card tray.
- i** A thin rubber gasket around the SIM tray provides water and dust protection. If this gasket is damaged or missing, replace the gasket or the entire SIM tray to protect your phone's internal components.

Step 3 – Separate the back cover



- i**
- A screw-driven camshaft in the bottom left corner pushes the back cover away from the phone, creating a gap to begin separating the cover.
 - With the back cover facing up, use a T3 Torx screwdriver to turn the screw in the bottom edge *counterclockwise* until the back cover pops up.

Step 4



Before separating the back cover, note the following:

There's a seam just under the back cover panel. Don't insert your tool here.

- Insert your tool completely under the back cover, so it's between the frame and the underside of the back cover.

● Insert an opening pick under the bottom left corner of the back cover and slide it along the bottom edge to release the clips and separate the adhesive.



You should feel and hear the back cover clips release. If you don't, insert the pick deeper and try again.

Step 5



● Continue sliding the pick under the perimeter of the back cover to fully separate

the clips and adhesive.

Step 6 – Remove the back cover



- Lift and remove the back cover. During

★ reassembly:

- Now is a good time to test your phone before sealing it up. Power it on and check that it works. Power it back down before you continue reassembly.

i If you're installing a new back cover:

- Make sure you remove all liners from the underside. (Refer Snap - 1 in next Page)
- Use the flat end of a spudger to press the small cable above the wireless charging coil into place over its alignment posts. (Refer Snap -2 in next Page)

-

Place the back cover onto the frame and firmly squeeze around the perimeter to reengage all the clips.

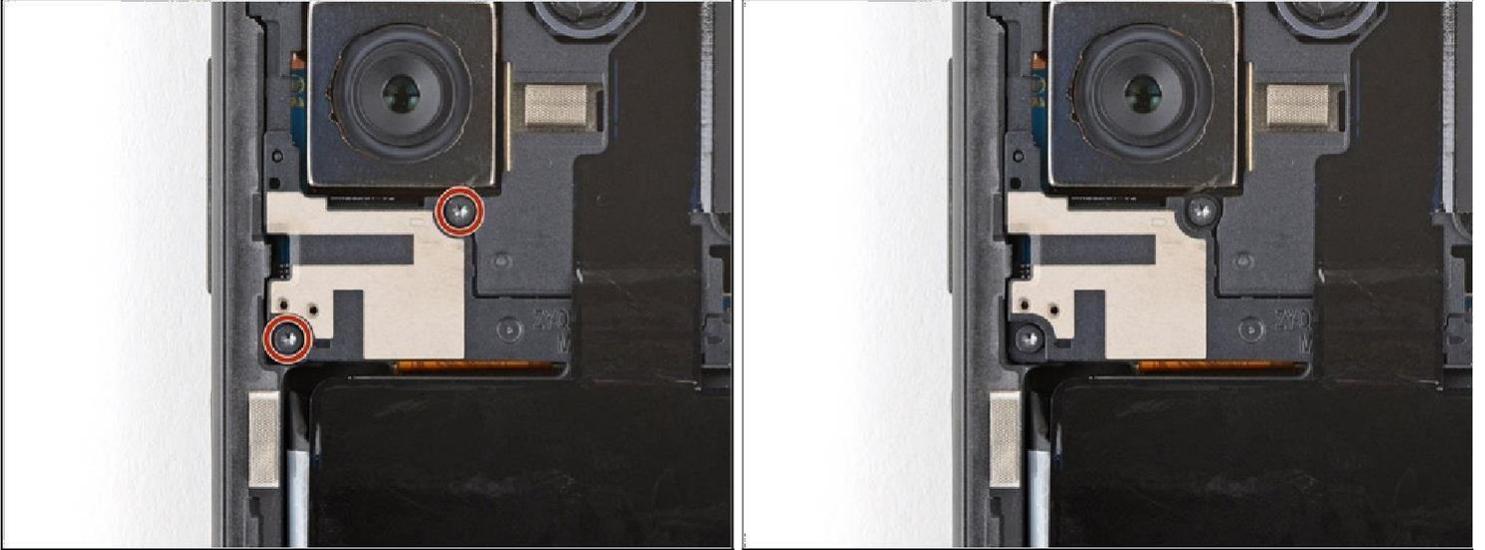
Snap -1



Snap -2

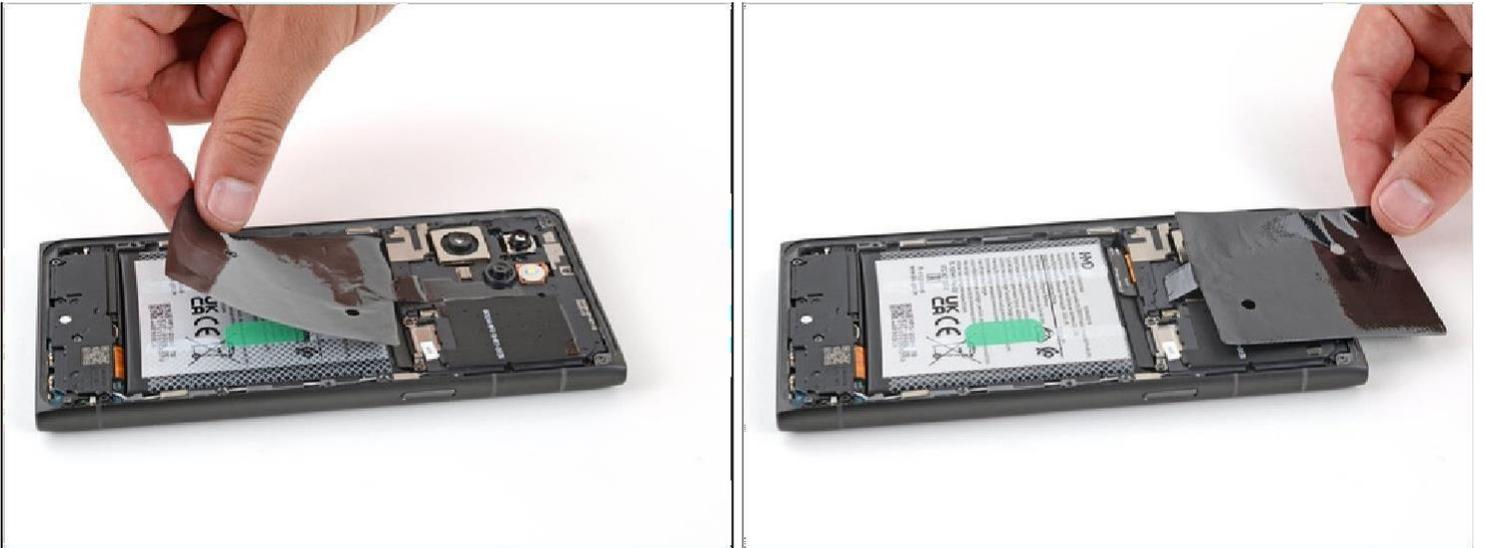


Step 7 – Disconnect the battery



Use a T3 Torx screwdriver to remove the two screws securing the battery connector cover.

Step 8



 *Gently* flip the graphite sheet on the battery over the top edge of your phone.
Be careful not to tear the sheet, as it's very delicate.

Step 9



- Insert the point of a spudger in the notch on the left edge of the battery connector cover and pry up to release its clips.
 - ⓘ Only insert your tool enough to pry up the cover. Otherwise, you may accidentally disconnect the rear camera press connector (Refer Snap -3 in next Page)
- Remove the cover.
- ☑ During reassembly, firmly press the cover into place to engage the clips.

Step 10

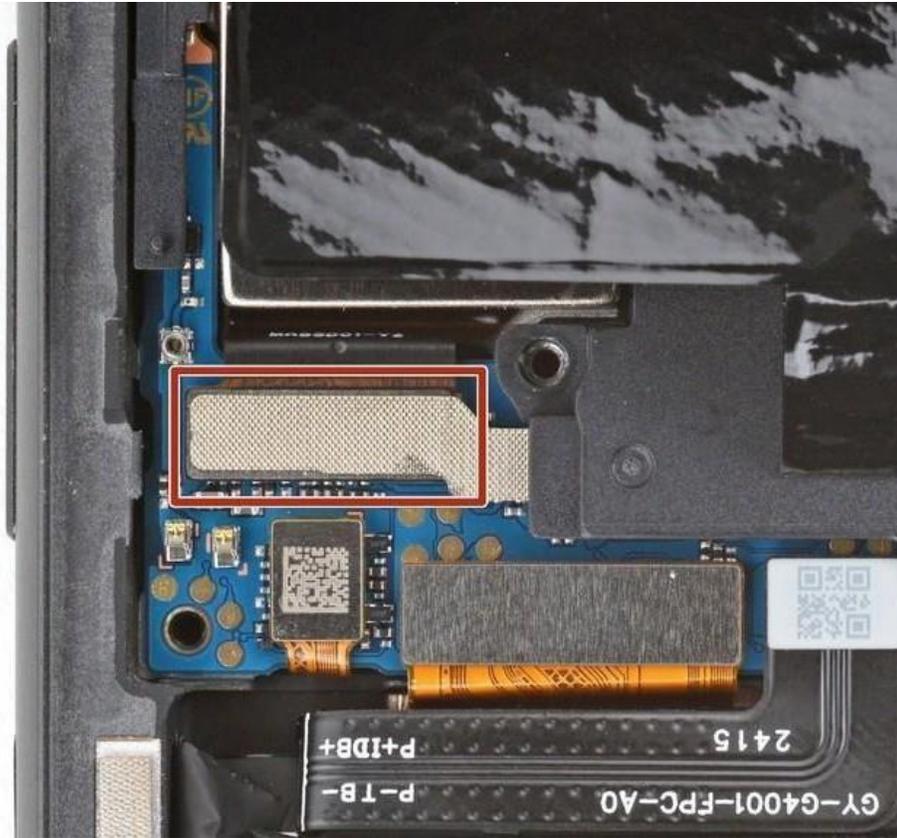


- Insert the tip of an opening pick under the top edge of the battery press connector and try up to disconnect it. (Refer Snap -4 in next Page)
- Check if the rear camera press connector got disconnected during the previous

step. If it did, reconnect it.

To reconnect a press connector, align it over the socket and gently press down on one side until it clicks into place, then press down on the other side. It might take a few tries to align the connector.

Snap-3



Snap-4

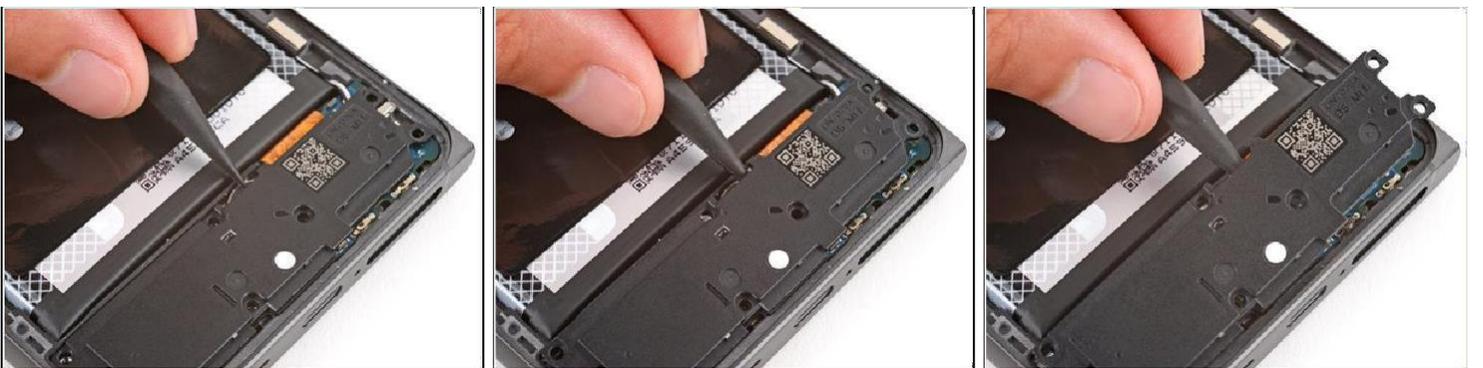


Step 11 – Remove the loudspeaker



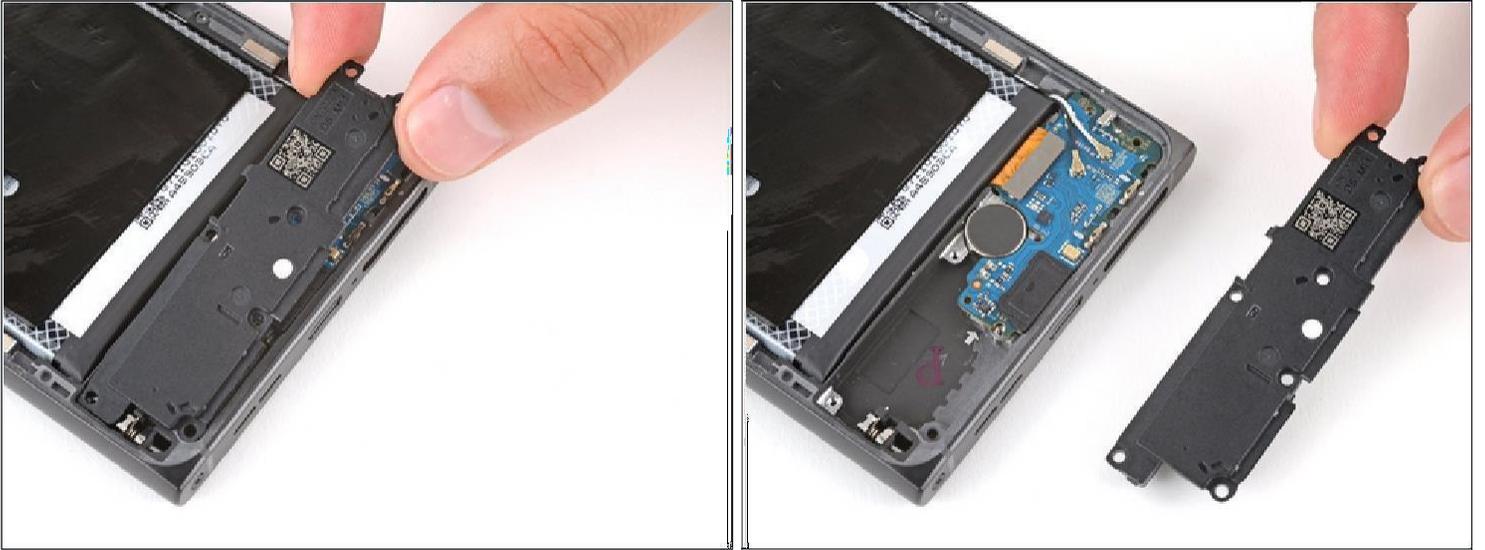
- Use a T3 Torx screwdriver to remove the seven screws securing the loudspeaker: Four 3.9 mm-long screws
- Three 4.9 mm-long screws

Step 12



- Insert the tip of a spudger under the center of the loudspeaker's top edge and lift to release its clips.
- ⚠ Don't pry against the battery and be very careful not to puncture it with your tool.

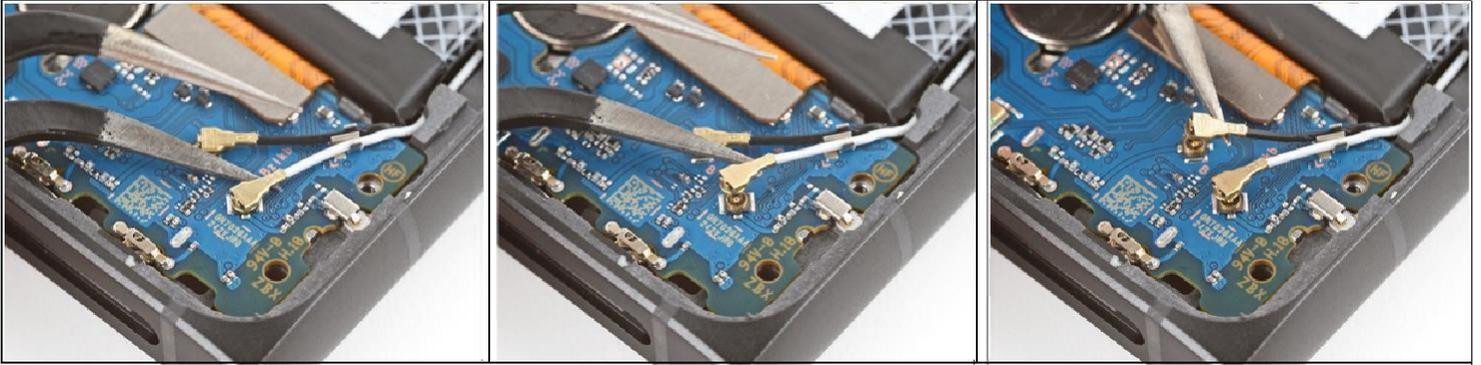
Step 13



- Remove the loudspeaker.

During reassembly, lay the loudspeaker in place and press firmly around its perimeter to engage the clips.

Step 14 – Disconnect the charging board

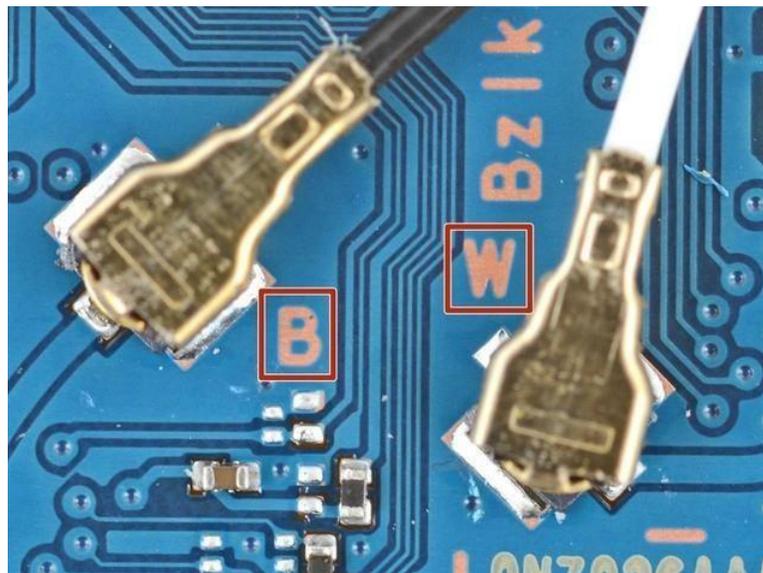


- - Slide an arm of a pair of angled tweezers under the metal neck of one of the antenna connectors on the charging board and lift straight up to disconnect it. (Refer Snap-5) on next Page.
 - *i* Make sure the tweezer arm is as close to the head of the connector as possible. Repeat the process to disconnect the other coaxial connector.
- ☑ During reassembly:
 - *i* Use the markings on the board to make sure the cables get connected to the correct socket—
B for black and W for white. (Refer Snap -6 on next Page).
 - Hold the metal neck of the antenna connector with a pair of tweezers and align the head over its socket on the board.
 - Use the flat end of a spudger to press straight down on the connector head—it should snap into place. If you're having trouble, reposition the head and try again. Don't try to force the connector into place, or you risk damaging the charging board.

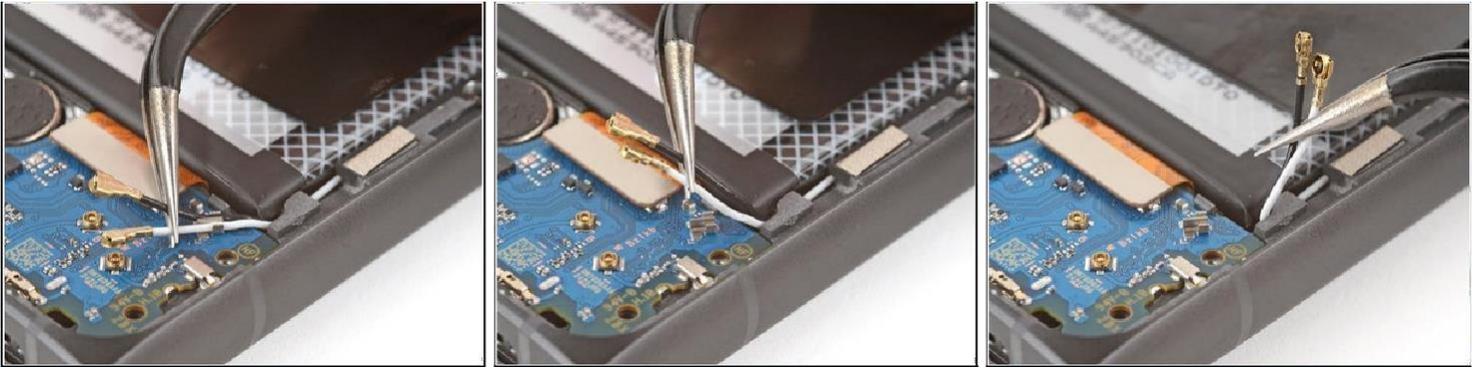
Snap-5



Snap-6



Step 15



Use tweezers to carefully separate the component fully until the center is completely clear. Then lift the component.

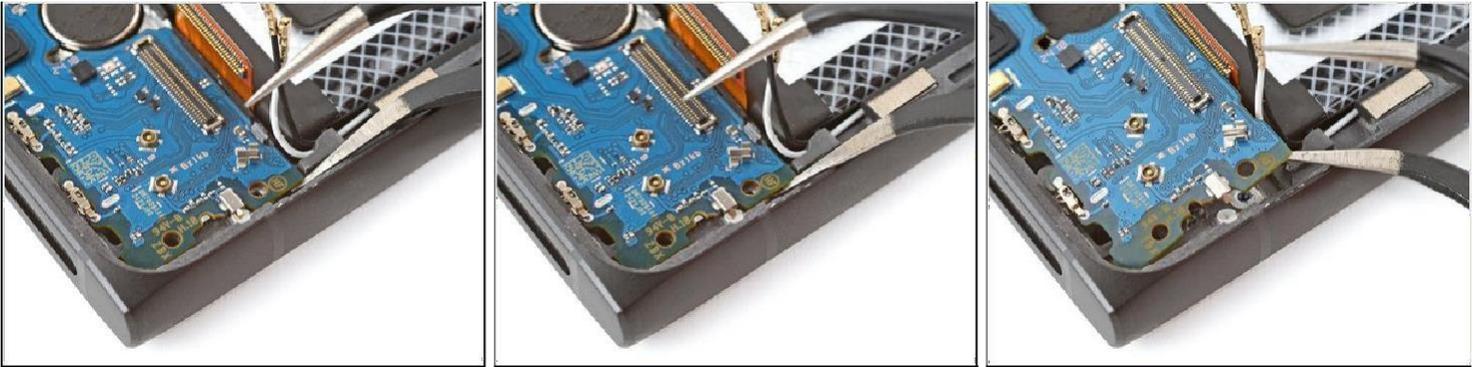
Step 16



Be very careful not to scrape up or damage any of the small, surface-mounted components around the connector during this step.

- Insert the flat end of a spudger under the bottom right corner of the charging board press connector and pry up to disconnect it.

Step 17 – Pry up the charging board



-  **Be very careful not to puncture the battery during this step.**
-  Before unclipping the charging board, double-check that you removed the SIM card tray.
- Slide an arm of a pair of angled tweezers under the top right corner of the charging board and pry up to release the clip on the top edge. (Refer Snap -7 on next Page).

Step 18

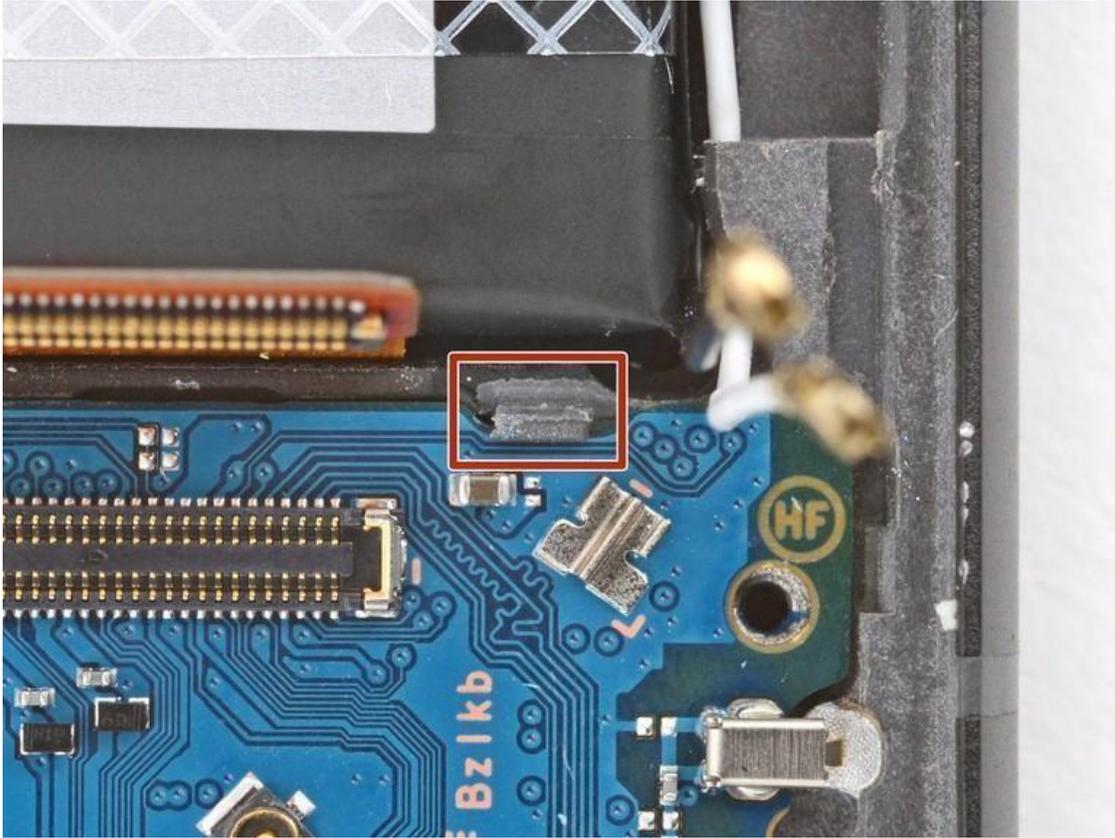


- Lift the top edge of the board and remove it.
-  During reassembly:
 - Make sure your USB-C port has a rubber gasket around it. If it doesn't, transfer the gasket from your old board, making sure the side with a cutout goes on the bottom.
 - Insert the board at a downward angle so the USB-C port goes into its

cutout. ⓘ Make sure none of the cables on the top edge get stuck under the board.

- Press down on the top edge of the board to engage its clip.

Snap-7



To reassemble your device, follow these instructions in reverse order.