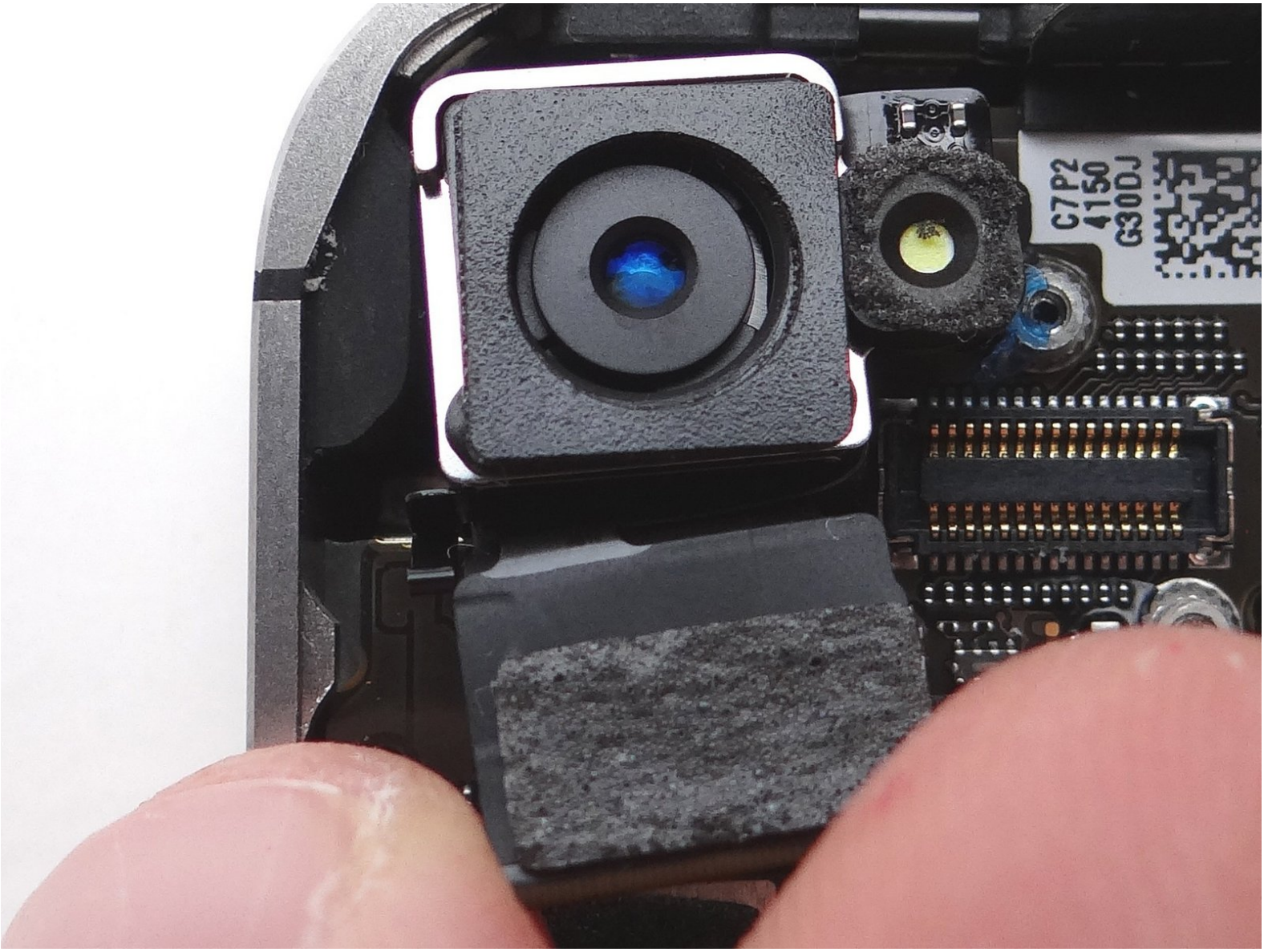
CELLPHONESANDBOX

Manual 03 - Rear Camera

Written By: James Linder



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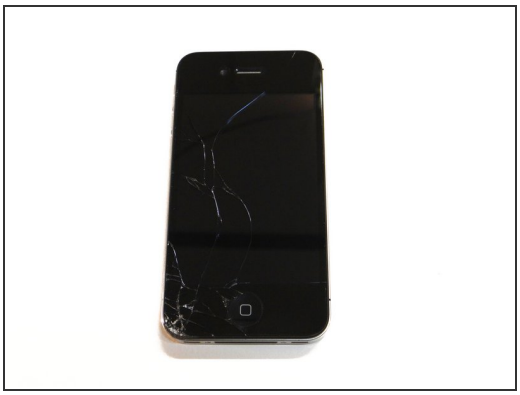
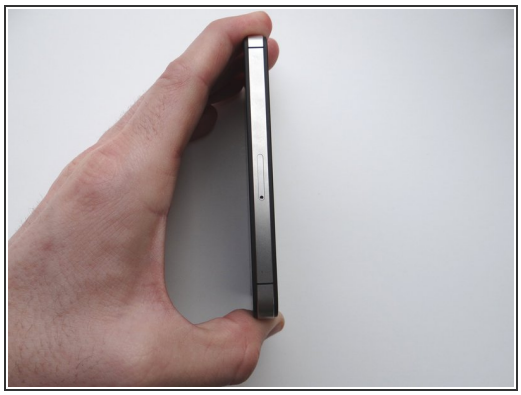
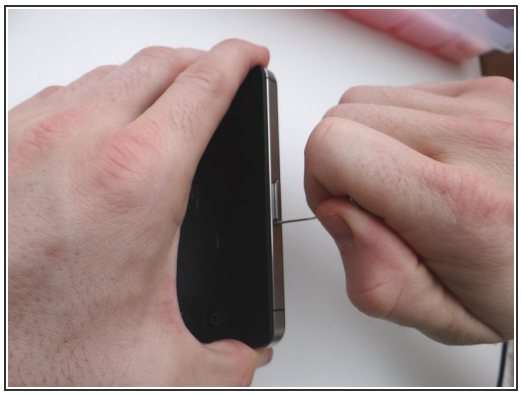
TOOLS:

- Technician Starter Package (1)

Step 1 — Removal 1 - Battery Cover

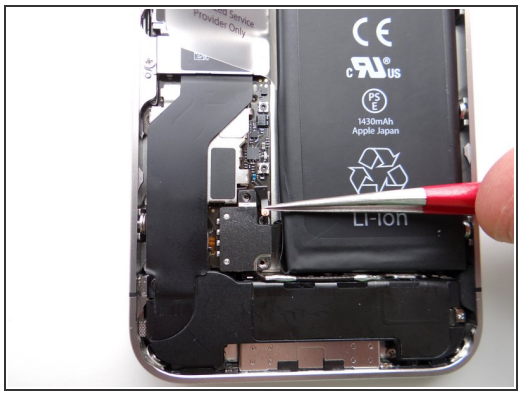




- Before disassembling the iPhone, thoroughly wash and dry your hands.
- Make sure handset is powered off. Use a SIM card eject tool or a paperclip to eject the SIM card tray. This may require a significant amount of force.
- Place the SIM card and SIM card tray in COMPARTMENT A.

Step 2

- Place the handset in your non-dominant hand. Remove two Pentalobe screws near charging port with special 5-point Pentalobe screwdriver. Place screws in SLOT 1.
- Gently slide battery cover upwards. Pull battery cover away from iPhone. Place battery cover in ZONE I.

Step 3 — Removal 2 - Battery



- Picture 1: Remove 1.7 mm Phillips screw and place it in SLOT 2.
- Picture 2: Remove 1.5 mm Phillips screw place it in SLOT 3.
- Picture 3: Use Fine Point Tweezers to remove the L-Shaped Antenna Shield before releasing the battery connector. Place the Antenna Shield with the screw in SLOT 3.

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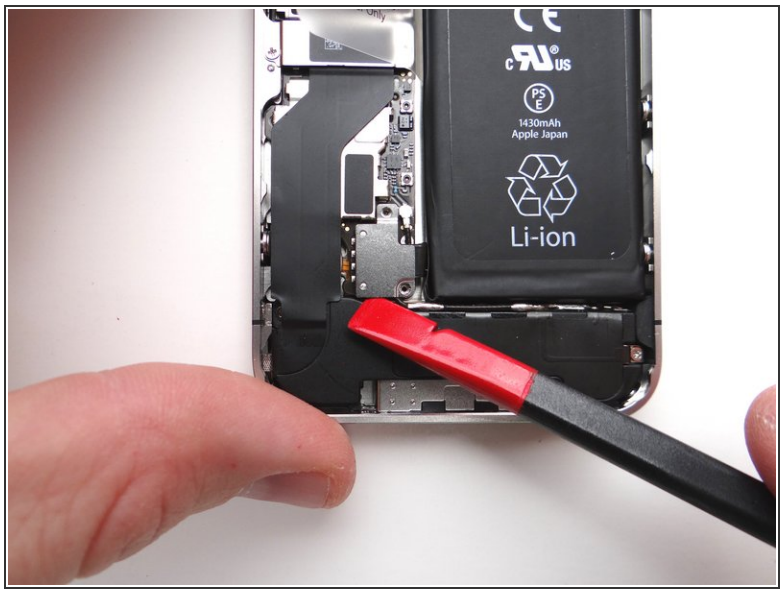
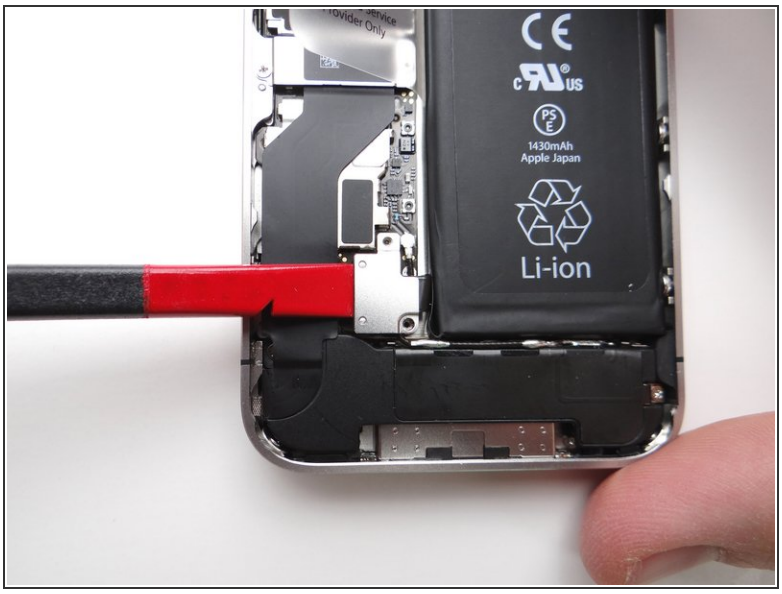
Step 4





- Picture 1: Place the flat end of the Black Spudger (tip is painted red for better illustration) at the bottom of the battery connector. Twist the spudger counter-clockwise to lift the bottom of the connector from its socket.

⚠ Be very careful to only pry up on the battery connector and not the socket on the logic board. If you pry on the socket, you could break the socket off the logic board.

⚠ Picture 2: After freeing the bottom of the connector, finish freeing it by inserting the spudger from the side and slowly lifting. Again, be careful to only pry on the battery connector and not the socket on the logic board.

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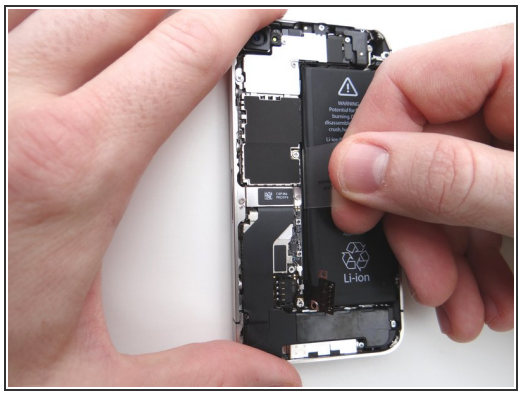
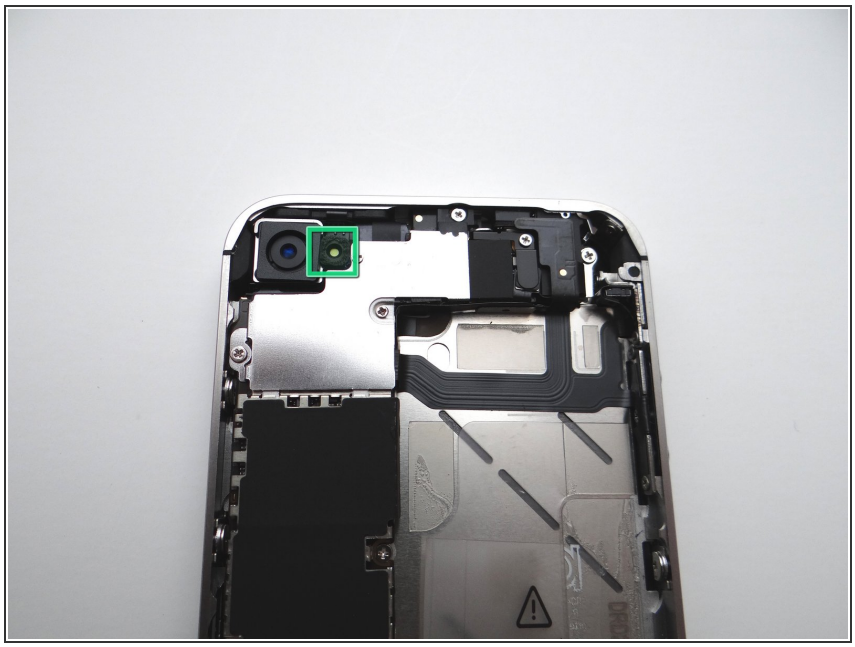
Step 5



- Apply low-level heat (100* Celcius or less) to edges of battery for 60 seconds to loosen the adhesive securing the battery to the iPhone.
- Wedge the flat end of the Black Spudger on the right edge of the battery. Gently pry up in three or four spots along the right edge to release the adhesive adhering it to the mid-frame.
- Once loose, use the plastic pull tab to peel the battery free from the iPhone. Place the battery in ZONE II.

Step 6 — Removal 3 - Rear Camera



- Use a pair of tweezers to remove the outer plastic ring (if present) located on top of the rear camera's flash. Place in COMPARTMENT B.

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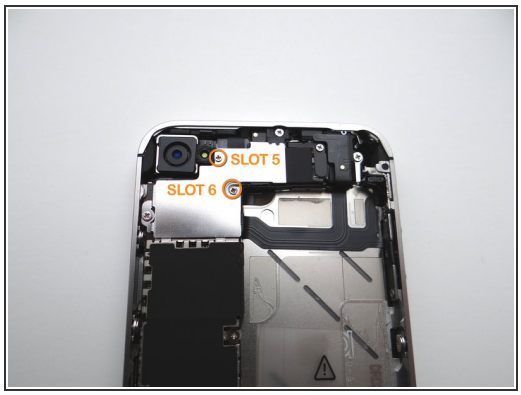
Step 7



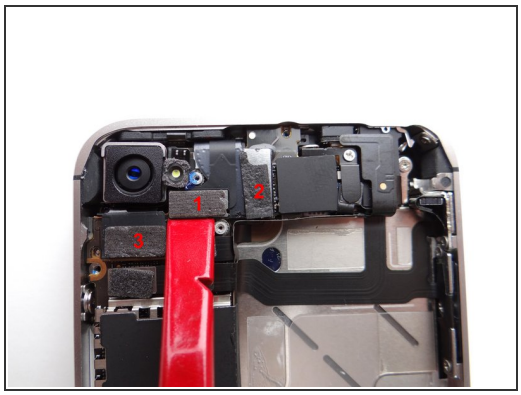
- Remove four Phillips screws from the Cable Shield surrounding the camera. Use fine point tweezers to remove the screws if the screwdriver won't hold them:
- Picture 1: Remove one 2.6 mm Phillips screw. Place in SLOT 4.
- Picture 2: Remove 1.3 mm Phillips screw (labelled SLOT 5) - Place in SLOT 5.
- Picture 2: Remove one 1.2 mm Phillips screw (labelled SLOT 6) - Place in SLOT 6.
- Picture 3: Remove one 2.7 mm Phillips screw. Place in SLOT 7.

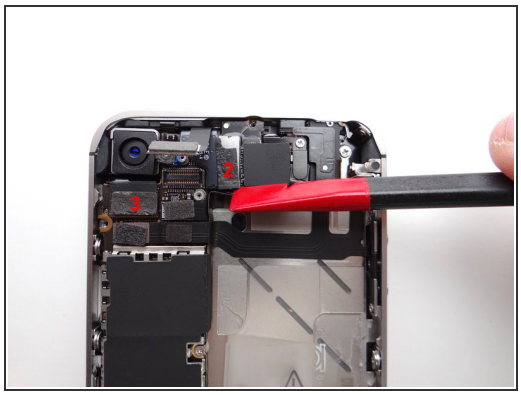
Step 8

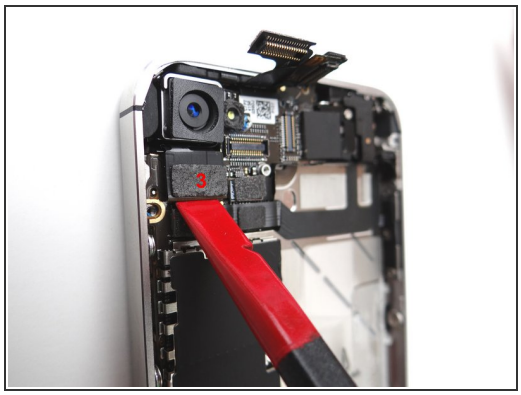
- Using your fingers (or plastic tweezers if needed), grab the top-right of the Cable Shield. Gently lift the shield 25 degrees.
- Next, slowly pull Cable Shield towards top of iPhone until the tabs at the bottom of the shield (see red squares) are free.

- Place Cable Shield in COMPARTMENT B (with the plastic ring from the camera flash, if present).

Step 9



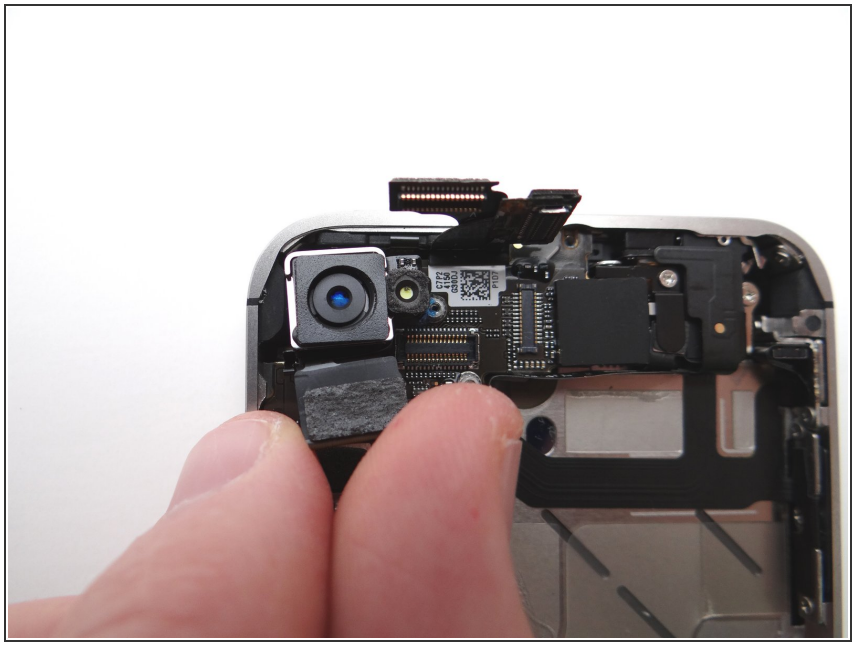




- Use the flat end of the black spudger to gently pry three cables free from their sockets on the logic board.

⚠ Be careful not to break any components off the surrounding area on the logic board as you pry upwards.

Step 10



- Remove the Rear Camera with your fingers. Place in COMPARTMENT C.

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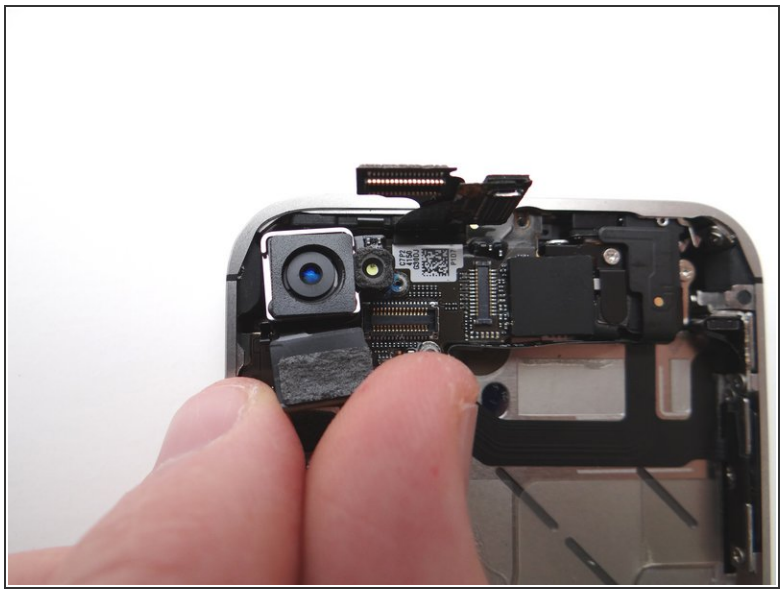
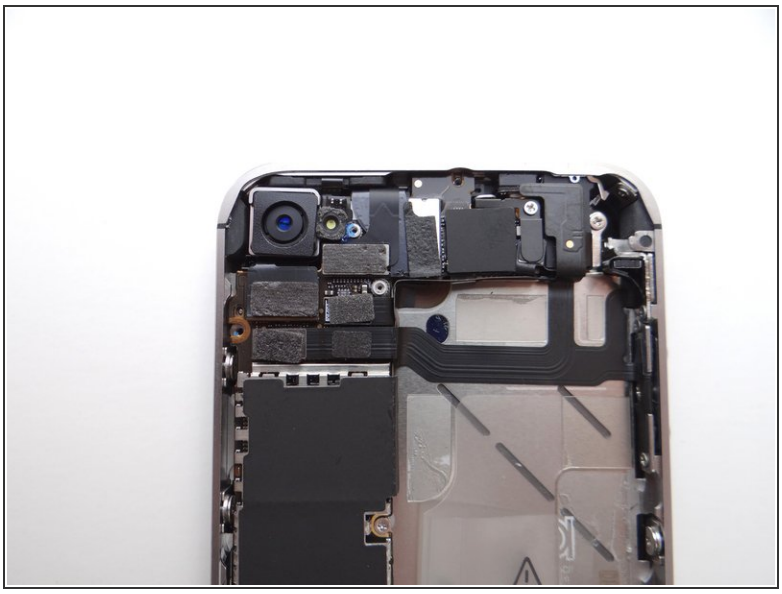
Step 11 — Replacement 3 - Rear Camera





- Picture 1: Replace Rear Camera from COMPARTMENT C (or replacement part). Push connector into socket on logic board.
- Also in Picture 1: Reconnect the digitizer and LCD cables sitting upright.
- Picture 2: This is what you should see after connecting the camera, digitizer and LCD cables.

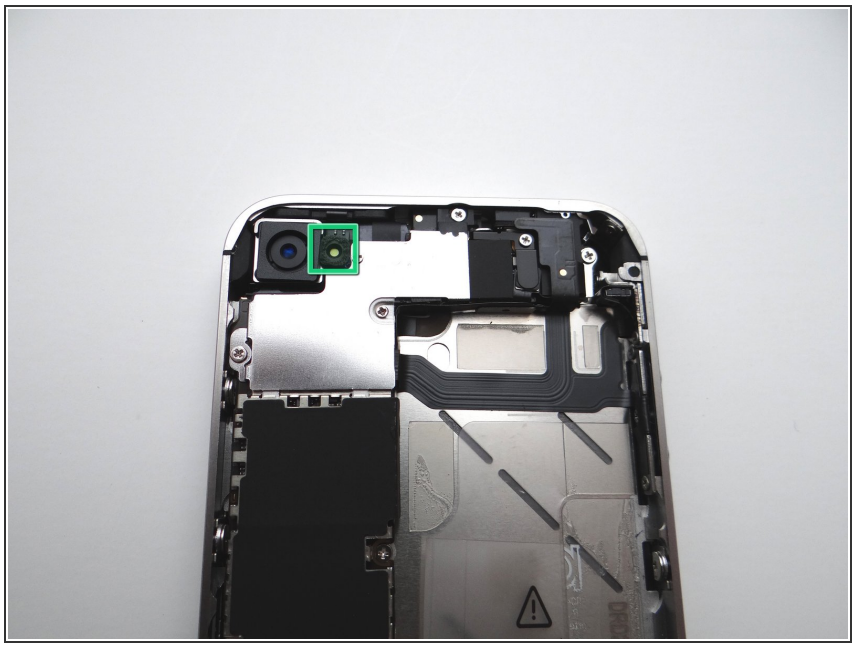
Step 12

- Replace Cable Shield from COMPARTMENT B:
- Position the protruding tabs at the bottom of the Cable Shield into the slots on the EMI Shield (connected to the logic board) below.
- Push Cable Shield completely into place.

Step 13

- Picture 1: Replace one 2.7 mm Phillips screw from SLOT 7.
- Picture 2: Replace one 1.2 mm Phillips screw from SLOT 6.
- Picture 2: Replace one 1.3 mm Phillips screw from SLOT 5.
- Picture 3: Replace one 2.6 mm Phillips screw from SLOT 4.

Step 14



- From COMPARTMENT B, if present, replace the outer plastic ring located on top of the rear camera's flash.

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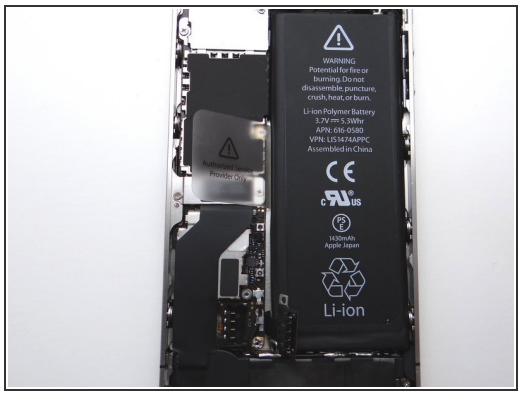
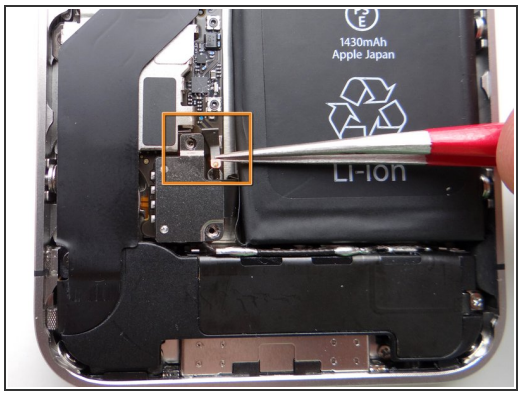
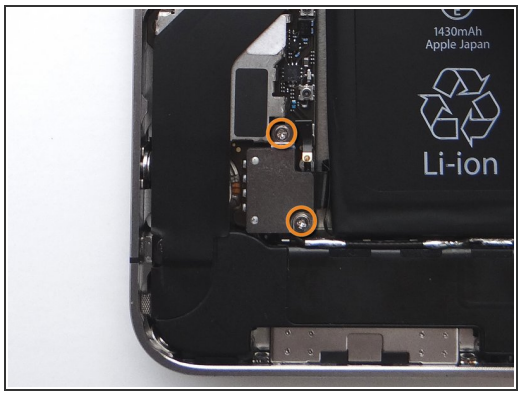
Step 15 — Replacement 2 - Battery







- Picture 1: Place the battery from ZONE II (or replacement part) in the mid-frame.
- Push battery connector into its socket on the logic board.
- Picture 2: With Fine Point Tweezers, place the L-Shaped Antenna Shield from SLOT 3 between the battery connector and its socket.

ⓘ Make sure the screw slot on the battery connector lines up with the screw slot on the Antenna Shield, and that they both line up with the screw slot on the battery socket. If needed use tweezers to adjust its position.

- Picture 3: Use the 1.5 mm Phillips screw from SLOT 3 to secure the top of the battery connector.
- Picture 3: Use the 1.7 mm Phillips screw from SLOT 2 to secure the bottom of the battery connector.

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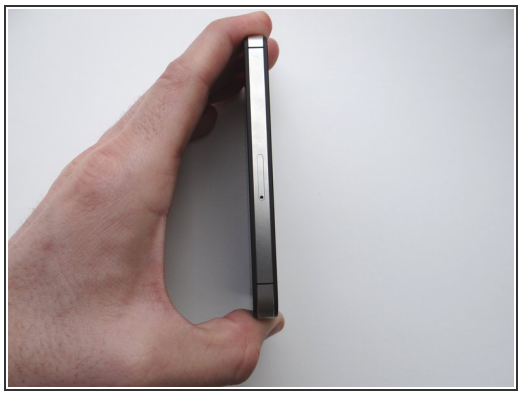
Step 16 — Replacement 1 - Battery Cover



- Replace battery cover from ZONE I (or replacement part). Gently slide battery cover downward until it locks into place.
- Place the handset in your non-dominant hand, then replace two Pentalobe screws near charging port with special 5-point Pentalobe screwdriver. The screws are in SLOT 1.
- Replace the SIM card and SIM card tray from Sandbox COMPARTMENT A.

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