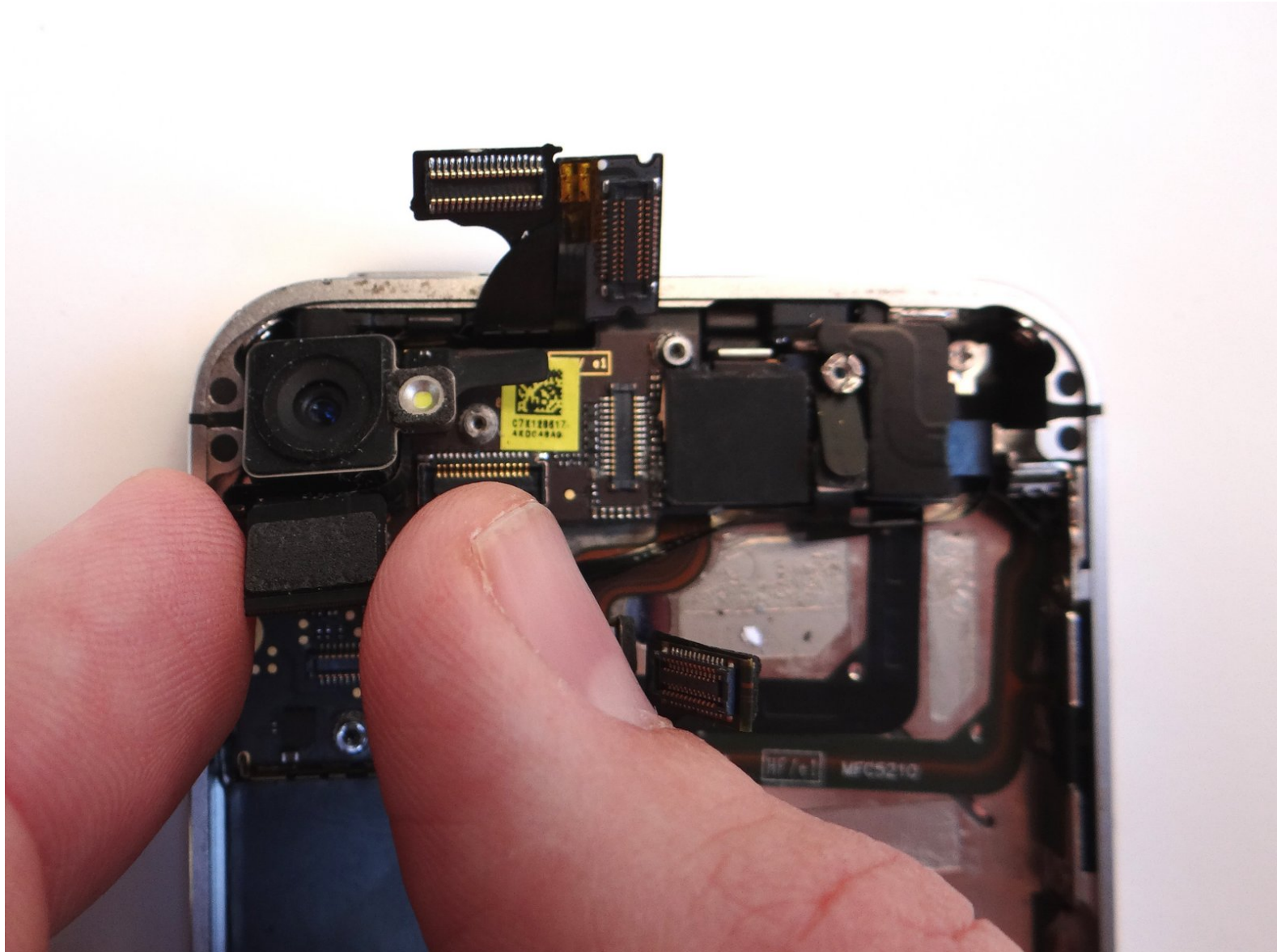


CELLPHONESANDBOX

Manual 03 - Rear Camera

Written By: James Linder





TOOLS:

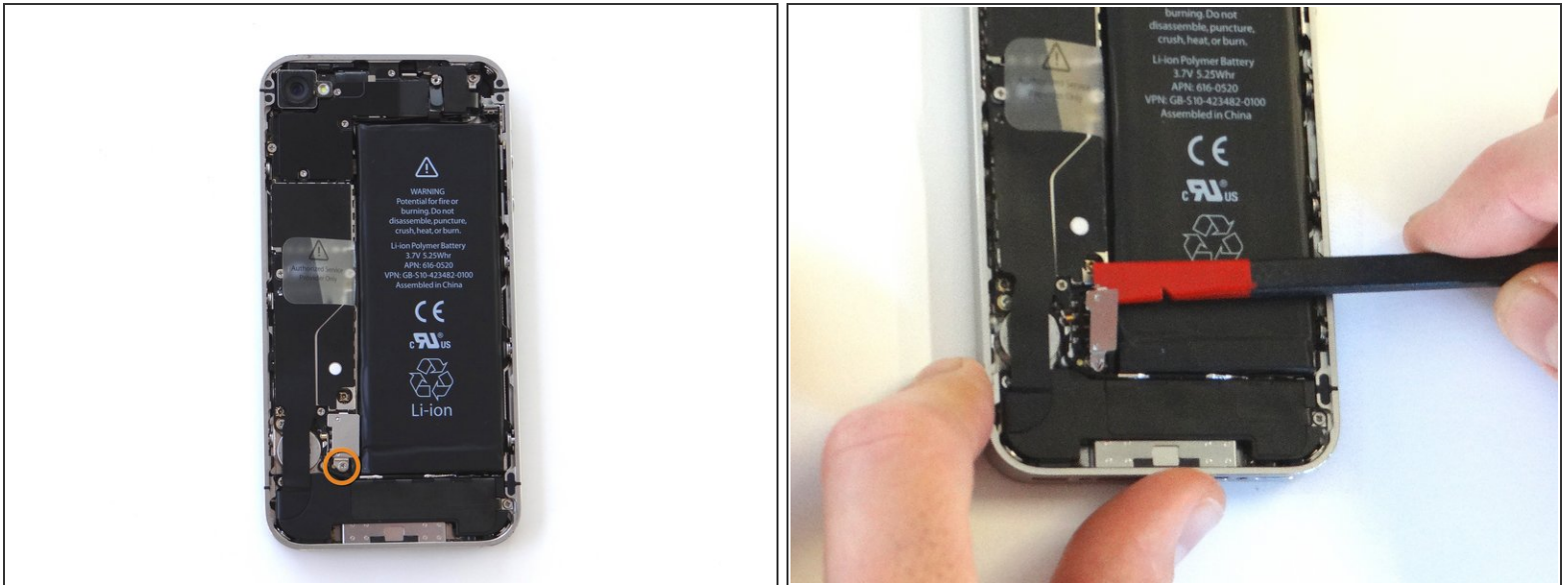
- [Technician Starter Package](#) (1)
-

Step 1 — Removal 1 - Battery Cover



- Before disassembling the iPhone, thoroughly wash and dry your hands.
- Make sure handset is powered off.
- 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 2 — Removal 2 - Battery



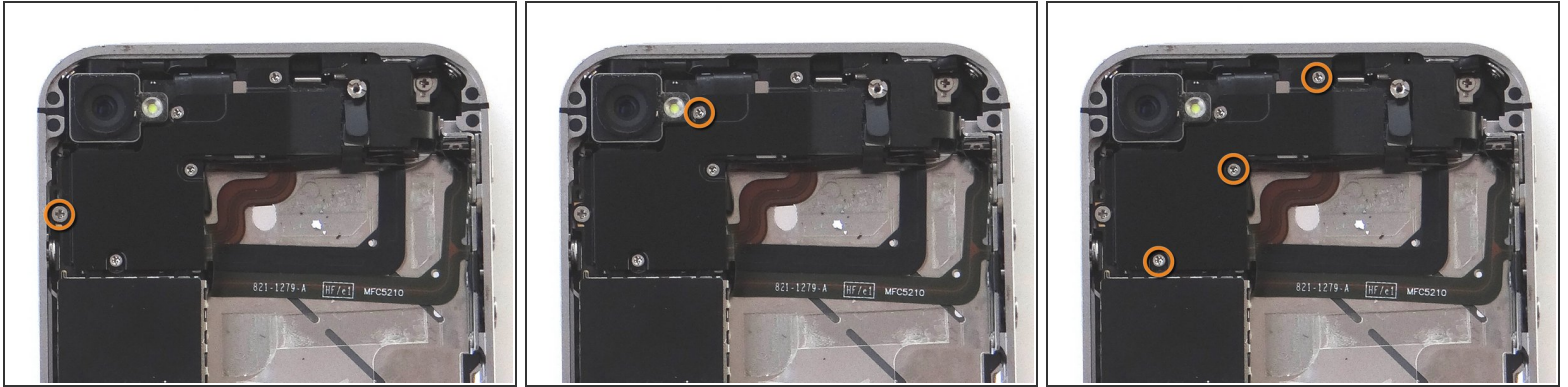
- Remove the 1.5 mm Phillips screw from battery connector cable (circled in orange). Place screw in SLOT 2.
- Use the flat edge of the Black Spudger (tip is painted red for better illustration) to gently pry the battery connector up from its socket on the logic board, top to bottom.

Step 3



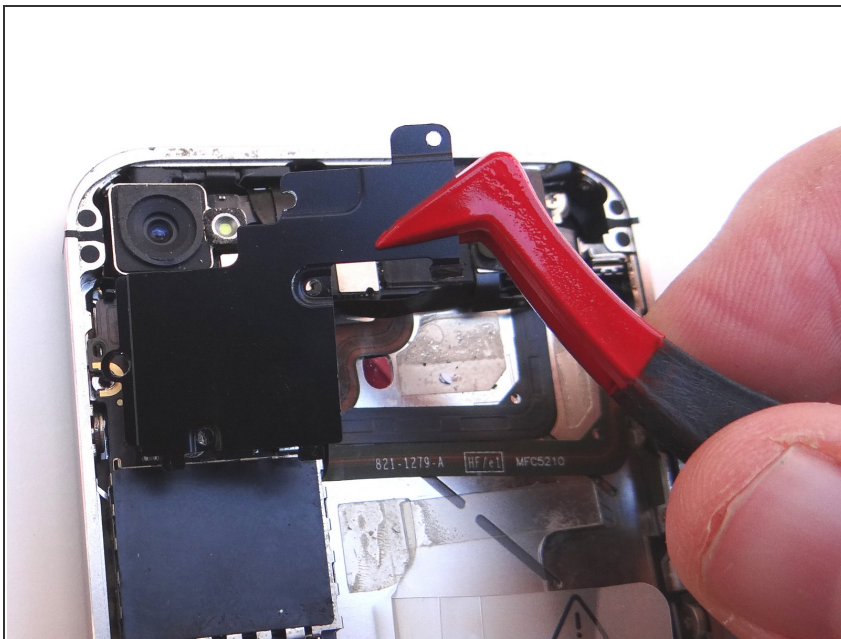
- Apply low-level heat (100* Celcius or less) to edges of battery for 60 seconds to loosen the adhesive securing the battery to the iPhone.
- Wedge right-side of the battery up with the Black Spudger to free battery from adhesive securing it to Mid-Frame.
- Grab battery removal tab and gently pull tab away from phone, taking care not to bend or warp the battery as you pull (you may have to use the spudger to help wedge it up). Apply more heat in 30 second increments, if needed.
- Remove the battery and place in ZONE II.

Step 4 — Removal 3 - Rear Camera



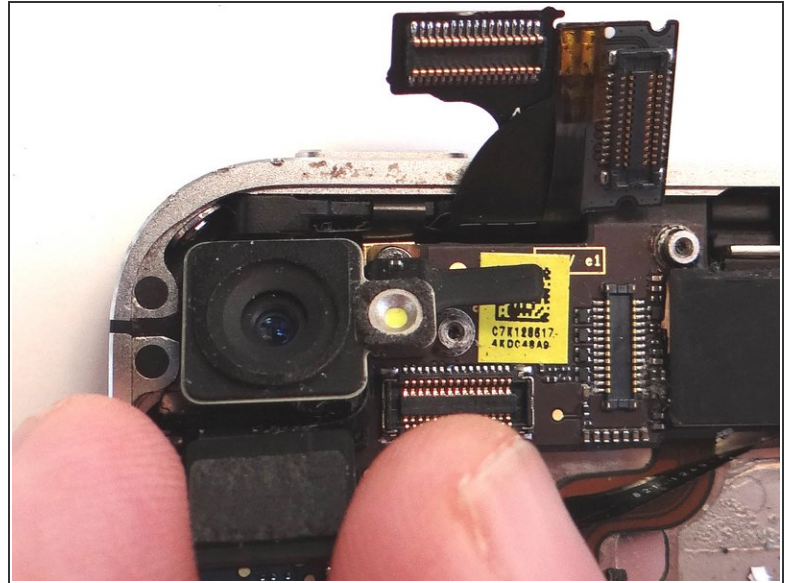
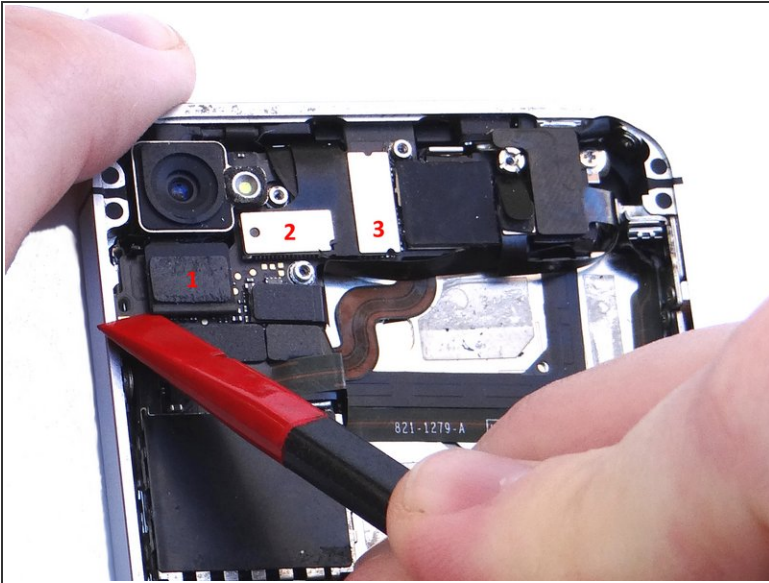
- Remove five Phillips screws from the Cable Shield surrounding the camera. Use fine point tweezers to remove them if the screwdriver won't hold them:
- Picture 1: Remove one 2.4 mm Phillips screw. Place in Sandbox SLOT 3.
- Picture 2: Remove one 1.5 mm Phillips screw. Place in SLOT 4.
- Picture 3: Remove three 1.3 mm Phillips screws. Place in SLOT 5.

Step 5



- 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 A.

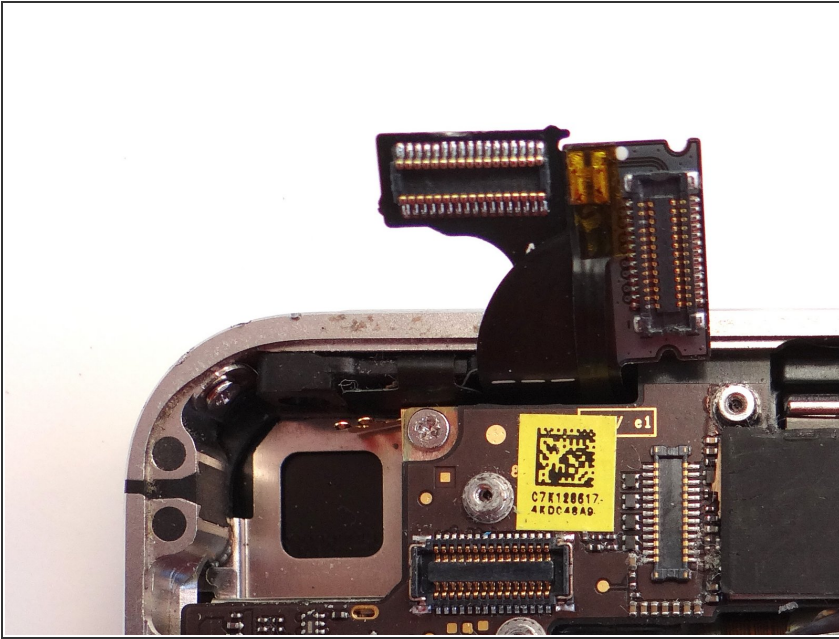
Step 6



⚠ Before performing this step, make sure the Black Spudger is wedged under the lip of the cable. Also, be careful not to break any components off the surrounding area on the logic board:

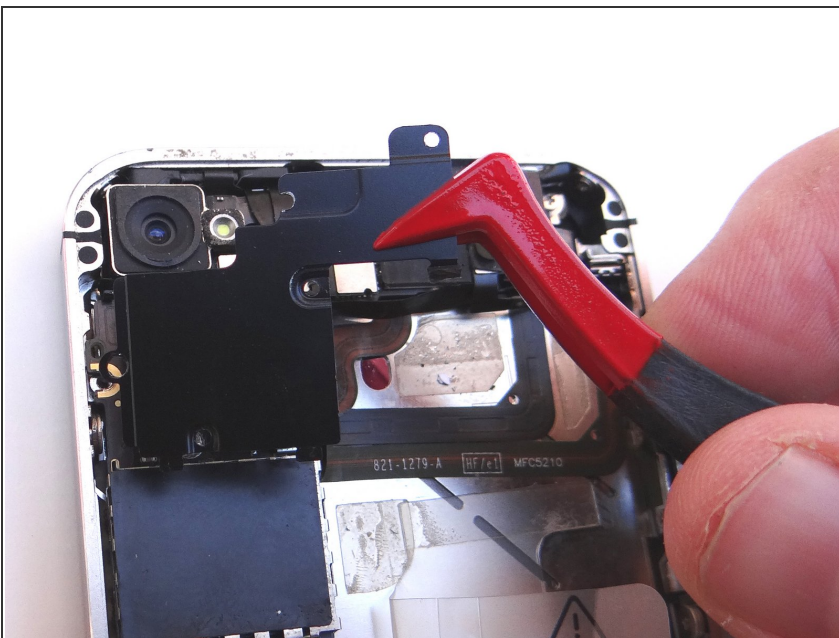
- Use the flat end of the Black Spudger to gently pry three cables free from their sockets on the logic board.
- Lift camera away from iPhone. Place in COMPARTMENT B.

Step 7 — Replacement 3 - Rear Camera



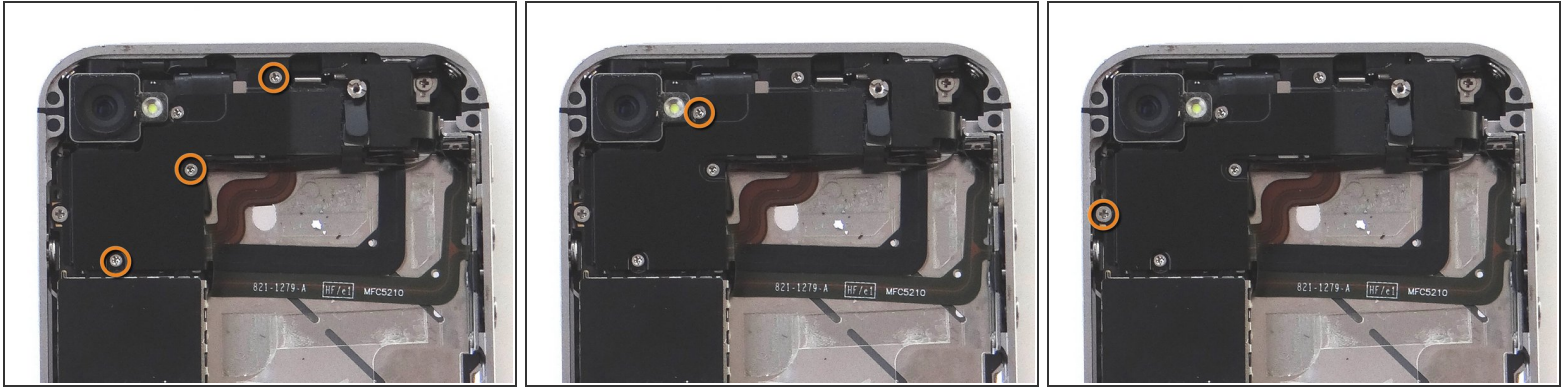
- Replace camera from COMPARTMENT B. Push connector into socket on logic board.
- Reconnect the digitizer and LCD cables (sitting upright in the picture).

Step 8



- Replace Cable Shield from COMPARTMENT A:
- 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 9



- Picture 1: replace three 1.3 mm Phillips screws from SLOT 5.
- Picture 2: replace one 1.5 mm Phillips screw from SLOT 4.
- Picture 3: replace one 2.4 mm Phillips screw from SLOT 3.

Step 10 — Replacement 2 - Battery



- Reinsert the battery from ZONE II. Push battery connector into its socket the logic board.
- Use the screw from SLOT 2 to secure the battery.

Step 11 — Replacement 1 - Battery Cover



- Grab battery cover from ZONE I.
- Place battery cover 2 mm above the bottom of the iPhone and slide it down to lock it in place.
- Secure the battery cover with two Pentalobe screws from SLOT 1.

Step 12

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Step 13 — Manual 03 - Rear Camera



- Congratulations! You've successfully replaced the iPhone rear camera.