



RIM Blackberry Pearl 8130 Teardown

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INTRODUCTION

Here's a Blackberry Pearl 8130 for disassembly. It had software issues which I afterward fixed.

TOOLS:

- Metal Spudger (1)
- T5 Torx Screwdriver (1)

Step 1 — RIM Blackberry Pearl 8130 Teardown



- Frontal/Back View- Dimensions: (LxWxD) 107mm x 50mm x 14mm (4.02" x 1.97" x .55") <- For those in America :) Weight: 96g or 3.10oz
 - Speaker
 - Status LED
 - High-res 240x260 Color LCD display
 - Red Trackball
 - 1.3MP Camera
 - Flash
 - Back Cover Latch

Step 2



- Side View!

- 3.5mm Stereo Headset Jack
- USB 2.0 Data/Charging Port
- Micro SD Card Slot
- Camera/Quick Access Button
- Volume Up/Down Button
- Quick Access Button
- Lanyard/Accessory Attachment

Step 3



- Top/Bottom!
 - This phone has seen its share of scratches!
 - Mute/Ringer Off Button
 - Microphone

Step 4



- Press down on clip and remove back cover.
- Push Battery from top to bottom and pull up to remove.
 - Battery: Standby time- 216 hours/Call time- 4 hours
 - Clip
 - Back cover

Step 5



- 1.3MP Camera
- Flash
- Qualcomm 3G CDMA
- Phone information sticker
- Torx T5 screws

Step 6



- Insert curved point metal spudger into gap between keyboard and bottom bezel cap.
 - Bottom Bezel Cap
- Pull up and push away to lift bezel.
- Hold this cap with your thumb and flip the phone around.
- Insert spudger under bezel and lift on both sides.
 - Pry Here
- The Bezel Cap should pop off at this point revealing two more T5 screws!
 - Two T5 Screws

Step 7



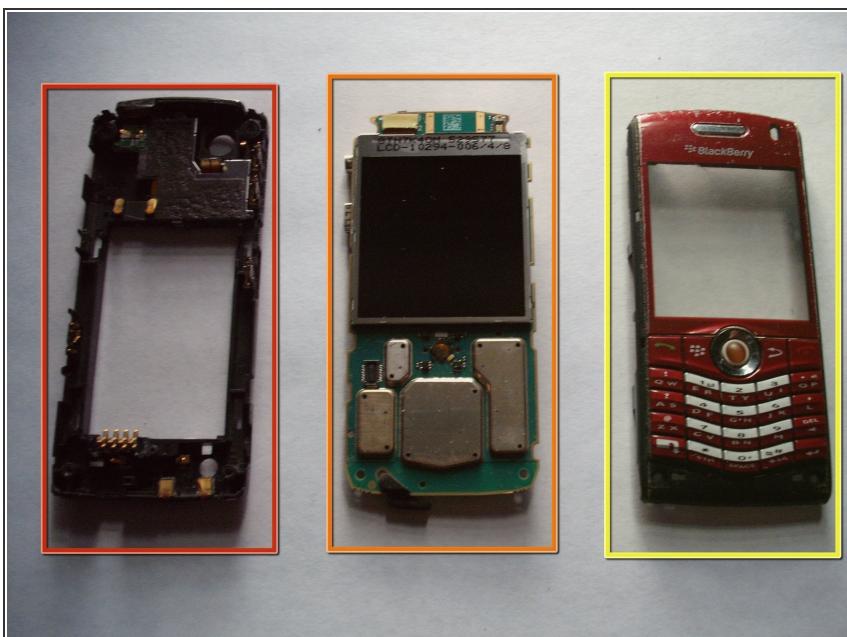
- Remove the two T5 Screws and set them aside.
 - The two T5 screws and their respective holes
- Start at the top of one of the sides of the phone and pry off the silver sides with a spudger or your fingers.
- Once you have removed both sides set them aside
 - The silver sides
 - Various holes, buttons and slots

Step 8



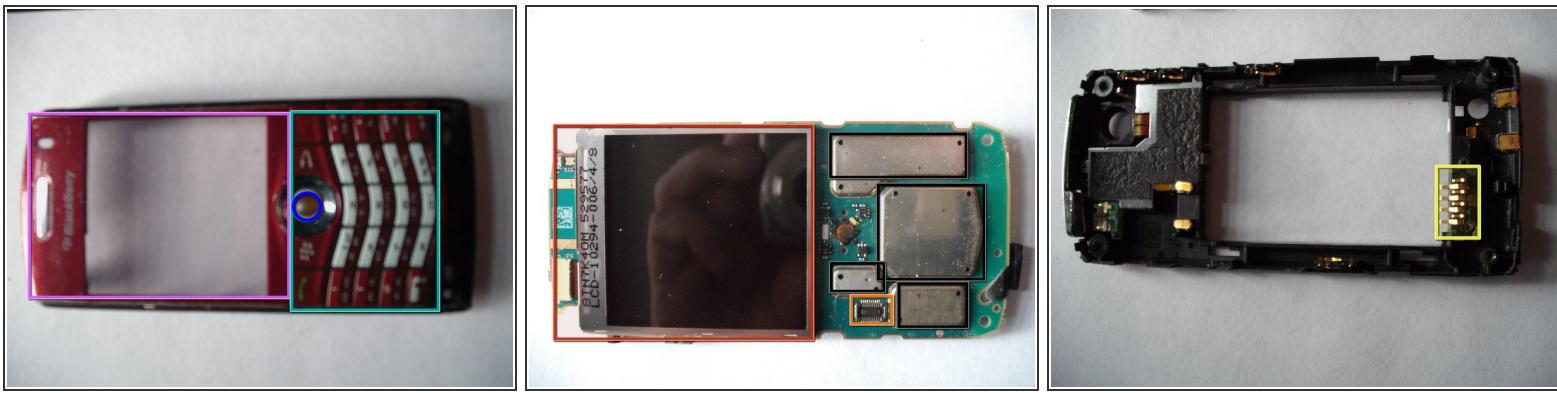
- Headphone Jack
- USB 2.0 Port
- Micro SD Card Slot
- Camera Button
- Up and Down Buttons
- Quick Access Button

Step 9



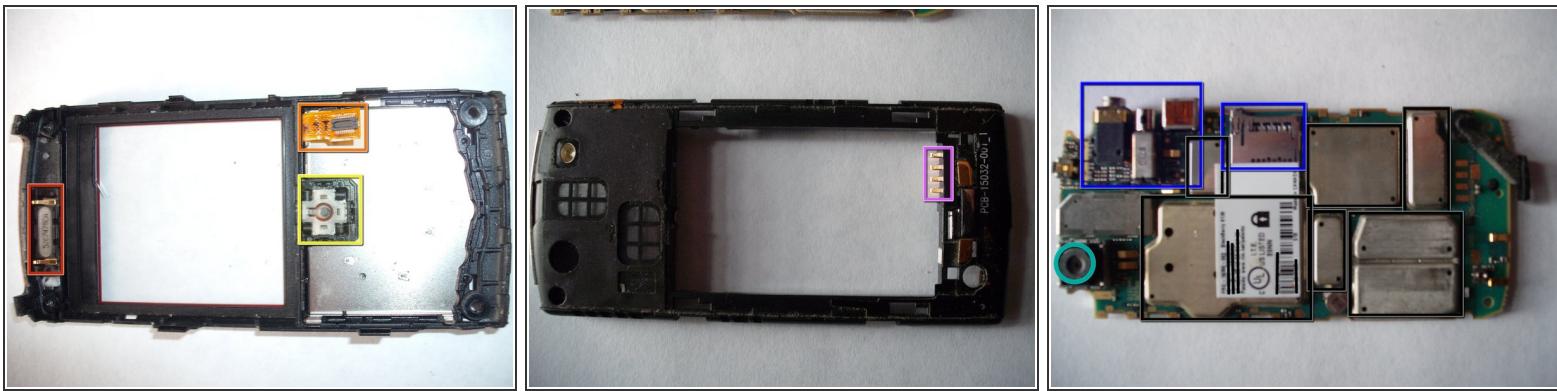
- Pry front cover and back cover off of LCD and circuit board.
- Separate the three parts and set them down.
 - Back plastic assembly
 - LCD and Logic Board
 - Front plastic assembly and keypad+trackball

Step 10



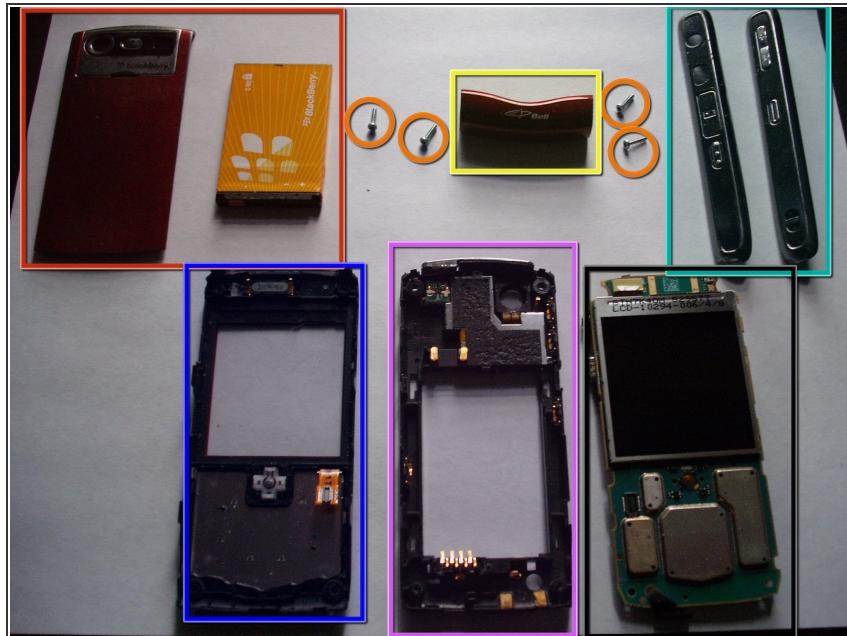
- Trackball (Removable). Pop it out from the back.
- Display Glass (Removable). Pry from the top to break glue seal, pry the rest of with your fingers.
- Keypad
- LCD and connector above it to the left (Removable). Remove connector with spudger and free LCD from clips.
- Keypad connector (Keypad was removed). To remove pry connector up off of logic board.
- Battery Connector
- Various chips under metal heat sinks. Sorry I won't remove them the phone is still good and I don't want to risk damaging it :(

Step 11



- Speaker (Removable by Soldering)
- Keyboard Connector
- Trackball (Remove by poking out)
- 1.3MP Camera (Removable by Soldering)
- From left to right: Headphone jack, Antenna?, USB Port, Micro SD Card Slot. All of the above are removable by soldering.
- Battery Connector (Removable by pulling it straight out of its slot)
- Various chips covered by heatsinks

Step 12



- Here it is, everything all laid out.
- Back Cover and Battery
- T5 Screws
- Bezel cap
- Shiny Side pieces
- Front Plastic Assembly
- Back Plastic Assembly
- LCD and Logic Board

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