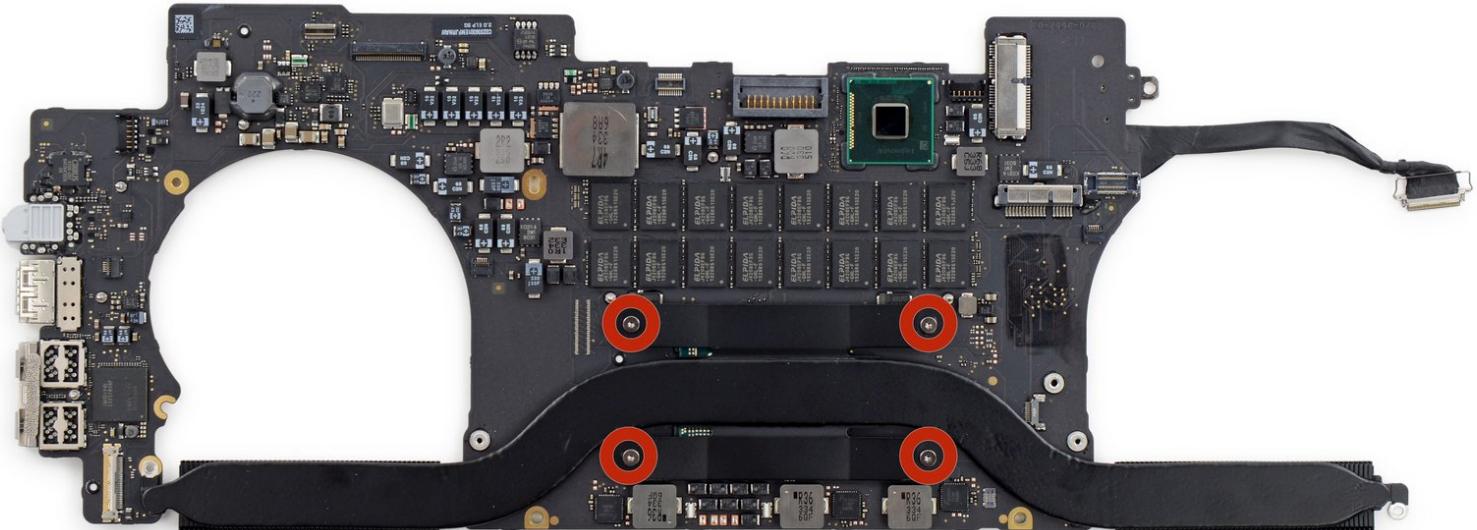




# MacBook Pro 15" Retina Display Late 2013 Heat Sink Replacement

prerequisite only heat sink guide for after logic board assembly is removed. late 2013 model only.

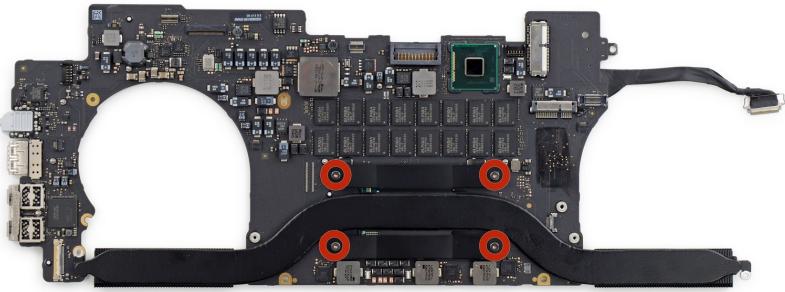
Written By: Andrew Optimus Goldheart



 **TOOLS:**

- T5 Torx Screwdriver (1)

## Step 1 — Heat Sink



- Remove the four 3.5 mm T5 screws securing the heat sink to the logic board.
- Grip both ends of the heat sink and lift it up from the logic board.

 When installing the new heat sink, remember to [replace the thermal paste](#) underneath the heat sink.

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