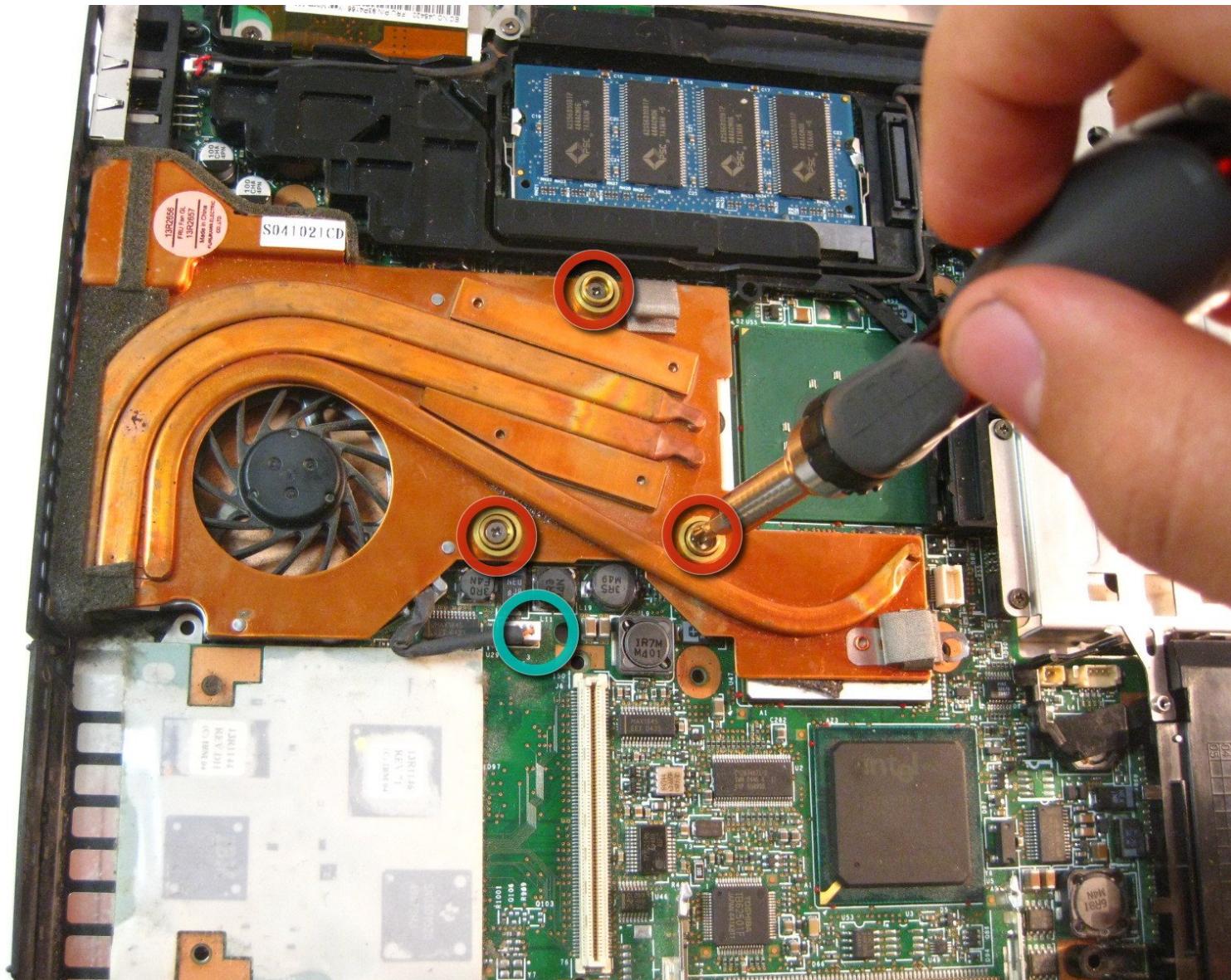




# IBM ThinkPad T42 Fan Replacement

Written By: Kevin Rehm



# INTRODUCTION

Replacing the fan.

## TOOLS:

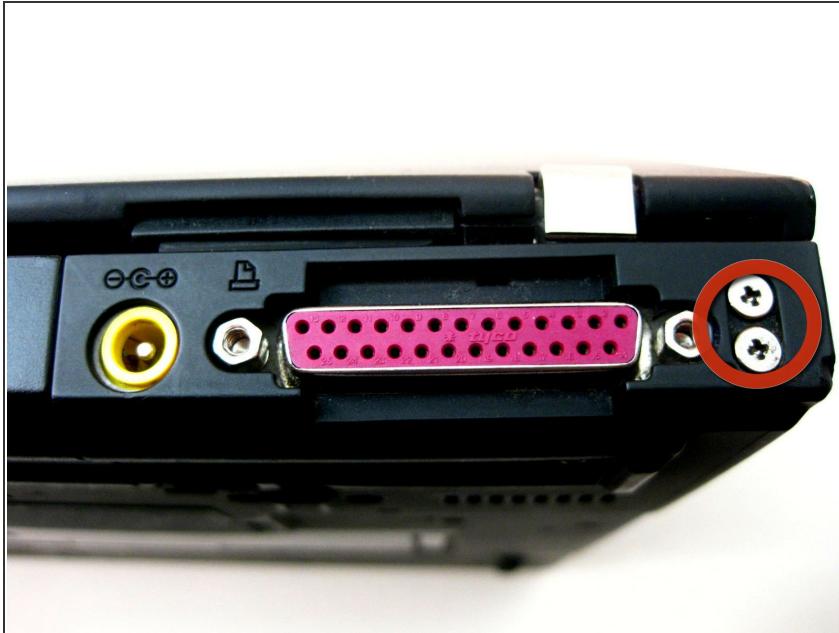
- **Phillips #0 Screwdriver** (1)
- **Spudger** (1)

## Step 1 — Bottom Cover



- Unscrew the 20 Phillips screws on the underside of the T42.
- (i)* For ease of reassembly, keep your screws organized.

## Step 2 — Rear Screws



- Unscrew the 2 Phillips screws on both sides of the T42's rear.

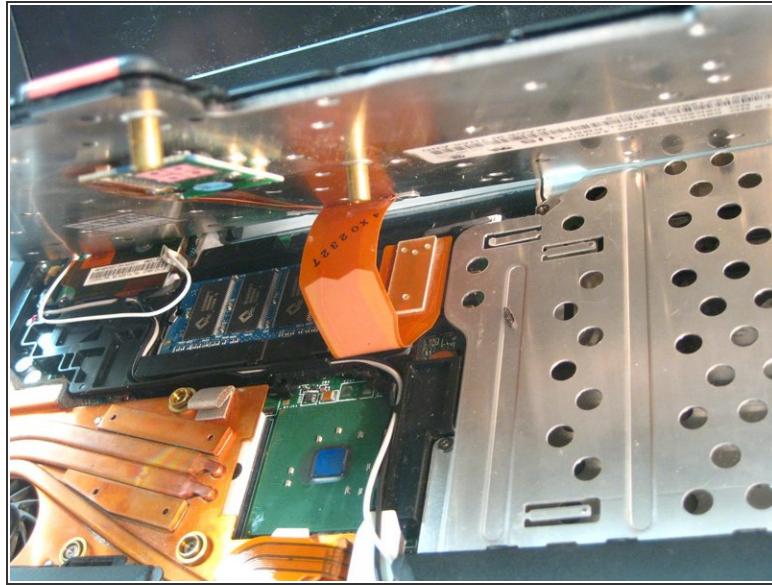
## Step 3 — Keyboard/Trackpad Removal



- Flip the laptop over and open the screen.

 The bezel and keyboard will be loose, be careful.

## Step 4 — Disconnecting Ribbon Cables



- Carefully maneuver the palm rest away from the keyboard, as both the keyboard and palm rest/trackpad will come off together.

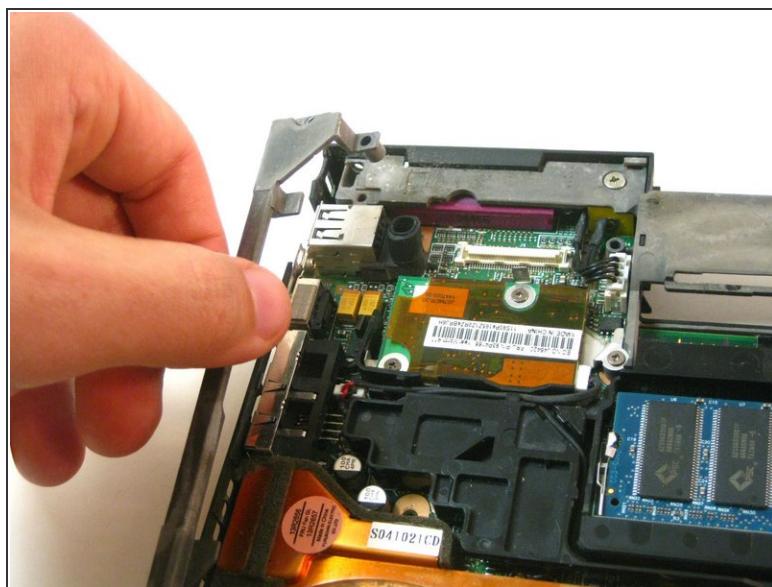
 Remember, both the keyboard and trackpad have connectors to the motherboard. Disconnect these before completely removing either component.

## Step 5 — Plastic Edge Cover



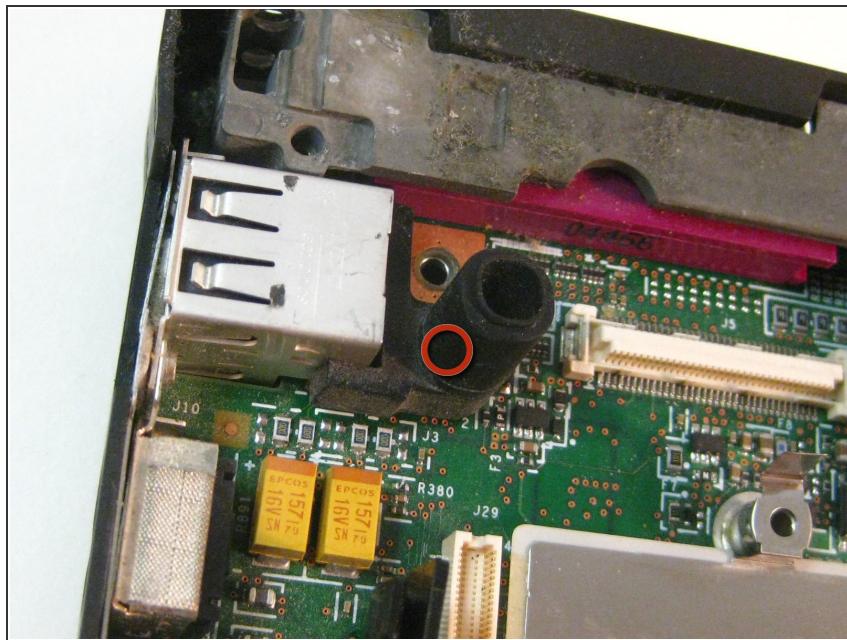
- Starting from the bottom right, carefully remove off the bezel. Use a spudger or flat head screwdriver if needed.

## Step 6 — Lower Bracket Removal



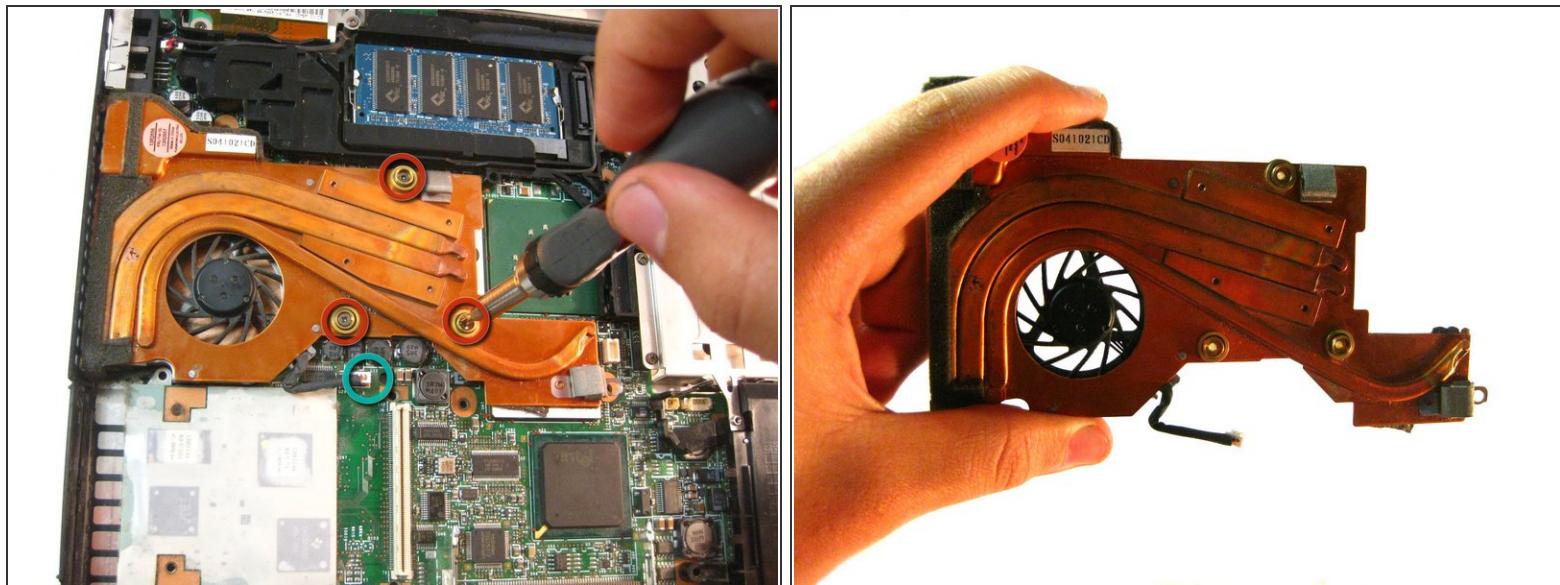
- The metal bracket will now be free to move, grasp it and remove it from the device.

## Step 7 — Remove the Microphone Cover



- Remove the small rubber piece that is covering the T42's microphone,

## Step 8 — Fan Removal



- Unscrew the 3 screws on the copper heatsink.
- Now, unplug the connection to the motherboard..

 Due to the nature of old thermal paste, it might take some force to remove the heatsink.

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