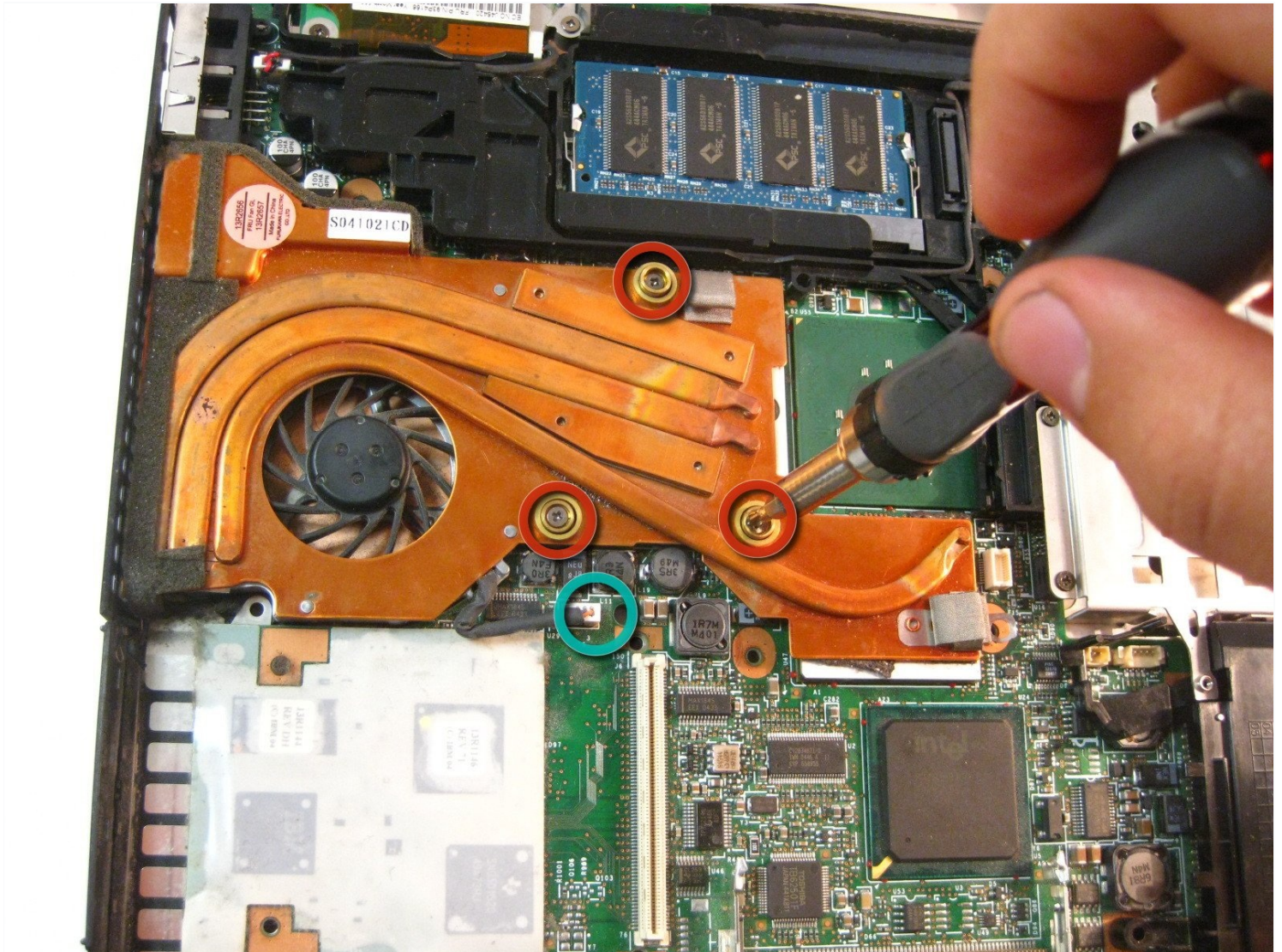




IBM ThinkPad T42 Fan Replacement

Use this guide to replace a fan for an IBM...

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INTRODUCTION

Use this guide to replace a fan for an IBM ThinkPad (Model T42). If your computer is making excessive noises, sounds louder than usual, or feels hot to the touch, the fan may need to be replaced. The fans' purpose is to pull cooler air into the computer to cool the hot circuitry. A failing fan can cause your laptop to sound louder because it is working harder than it normally needs to. Prior to using this guide, ensure nothing is blocking the fan or is in the way of the flow of the fan. A quick cleaning of debris or built-up dirt with a microfiber cloth may improve the functionality of the fan. If the fan is still dysfunctional, the next step would be to move forward with replacing the fan. Before beginning the process of replacing the fan make sure that your device is fully turned off and disconnected from any external power sources.

TOOLS:

Phillips #0 Screwdriver (1)

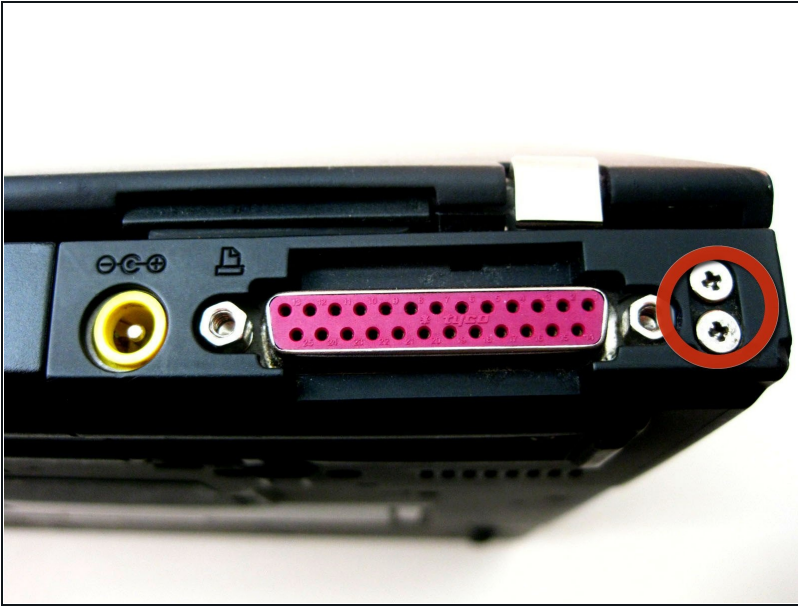
Spudger (1)

Step 1 — Bottom cover



- Using a Phillips #0 screwdriver, identify and unscrew the twenty screws located on the underside of the T42.

Step 2 — Rear screws



- Unscrew the four Phillips screws located on either side of the rear of the T42 (there are two located on each end.)

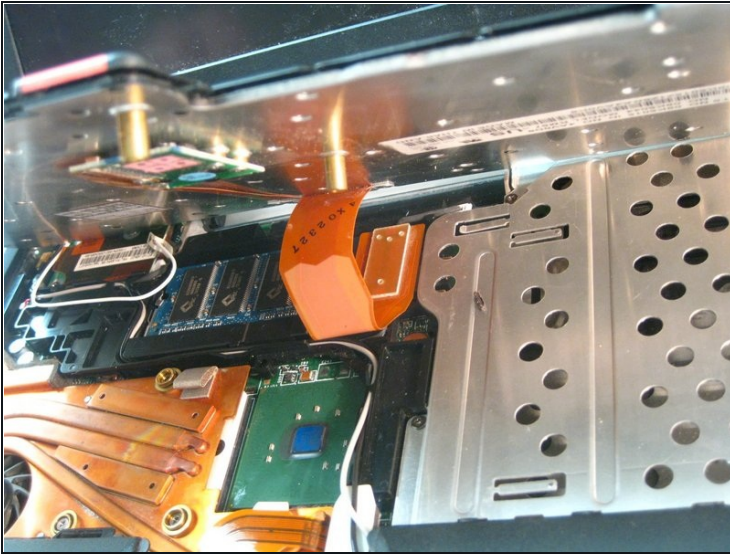
Step 3 — Keyboard and Trackpad



- Flip the laptop over and open the screen to access the keyboard and trackpad.
- ① The keyboard and trackpad are connected to the motherboard. Before removing the keyboard and trackpad, disconnect both components from the motherboard, as shown in the following step.

⚠ The bezel and keyboard will be loose, be careful.

Step 4



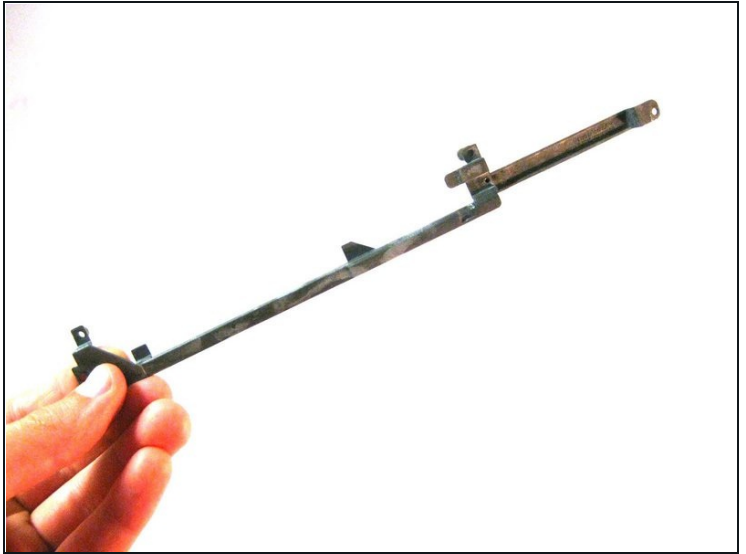
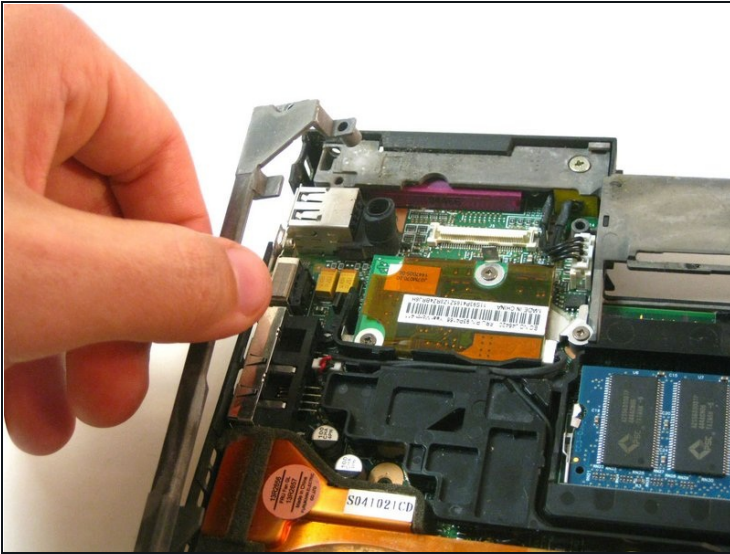
- Carefully maneuver the palm rest away from the keyboard, as both the keyboard and palm rest/trackpad will come off together.
- ⚠ Remember, both the keyboard and trackpad have connectors to the motherboard. Disconnect these before completely removing either component.

Step 5 — Plastic Edge Cover



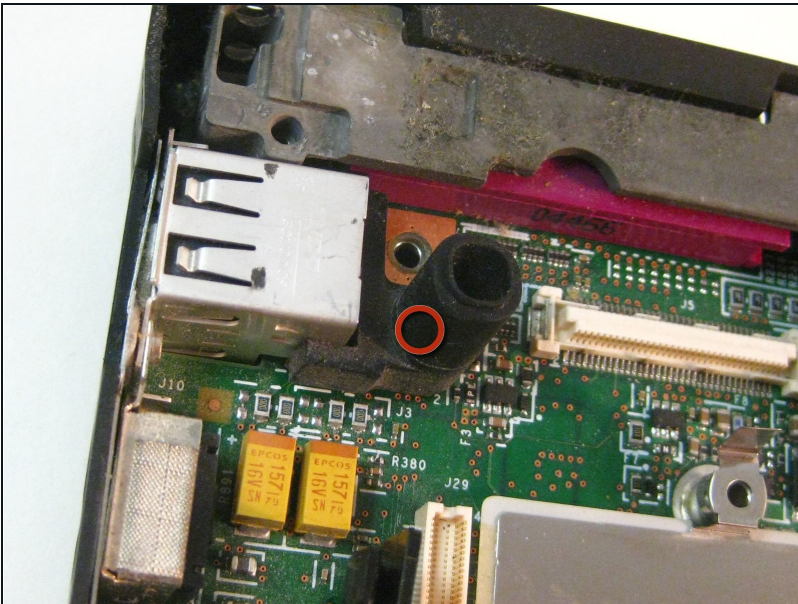
- Starting from the bottom right, carefully pry off the bezel. Use a spudger or flathead screwdriver if assistance is needed.

Step 6 — Lower Bracket



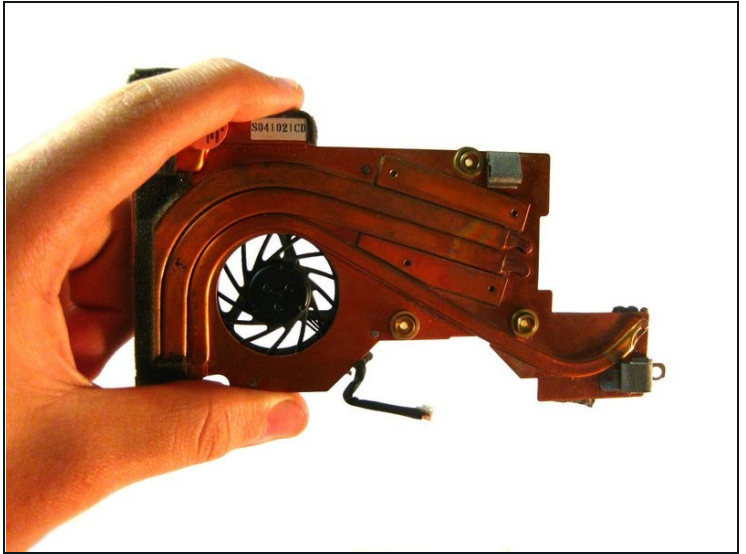
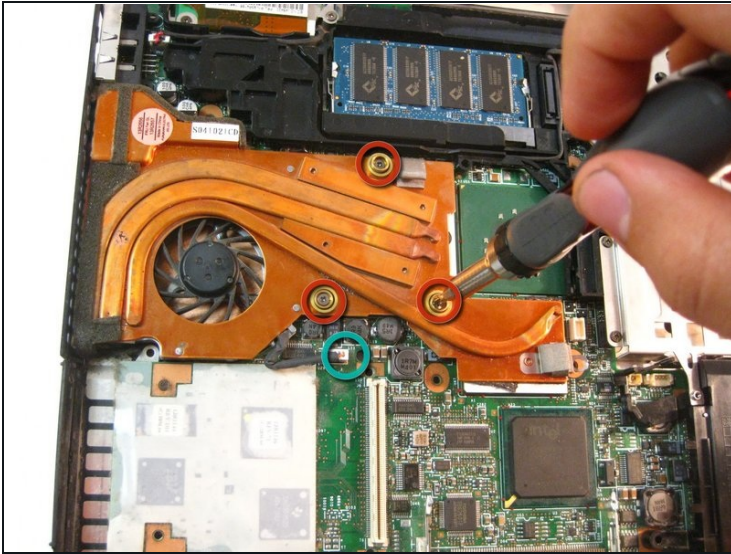
- Grasp the metal bracket to remove it from the device.

Step 7 — Microphone cover



- Remove the rubber cover from the microphone.

Step 8 — Fan Removal



- Using the Phillips #0 screwdriver, remove the three screws on the copper heatsink.
- Separate the copper heatsink by pulling it upwards, in order to unplug the connector from the motherboard.
- ① 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.