



Midiman Oxygen 8 Keys Replacement

This guide will demonstrate how to remove the individual keys in order for repair or replacement.

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TOOLS:

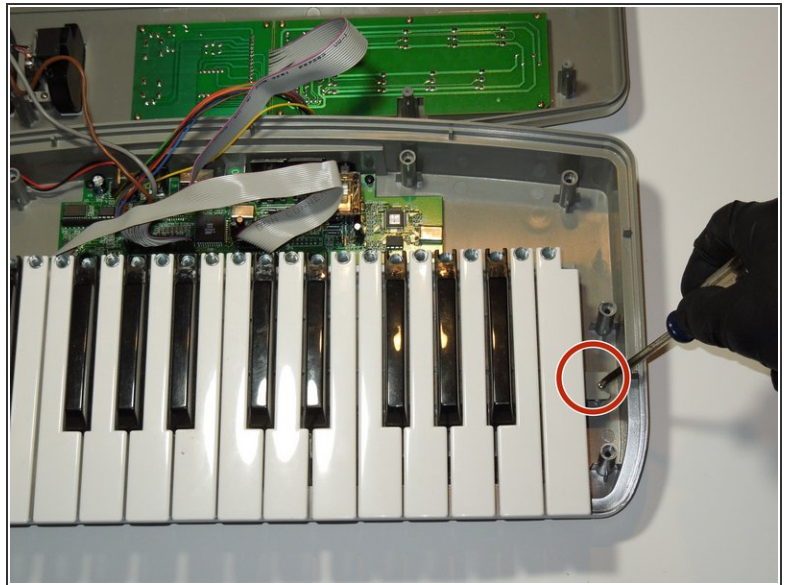
- [JIS Driver Set](#) (1)
 - [Tweezers](#) (1)
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Step 1 — Midiman Oxygen 8 Backplate Disassembly



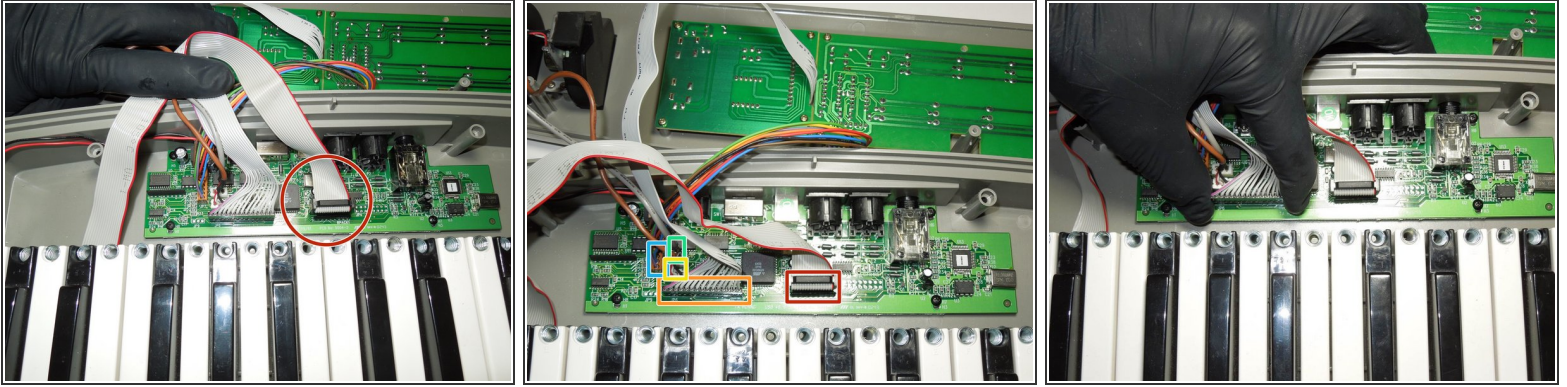
- Remove the 8 mm M3 Phillips head self tapping machine screws.
 - ⚠ Several of the screws are in narrow, deep sockets; make sure to use an appropriate screw driver to remove them so as not to damage the cover during removal.
- Remove all 13 of the back plate screws.

Step 2



- Remove the two highlighted 10 mm M3 galvanized machine screws using the J1 head from the iFixit Tool Kit or a comparable tool.

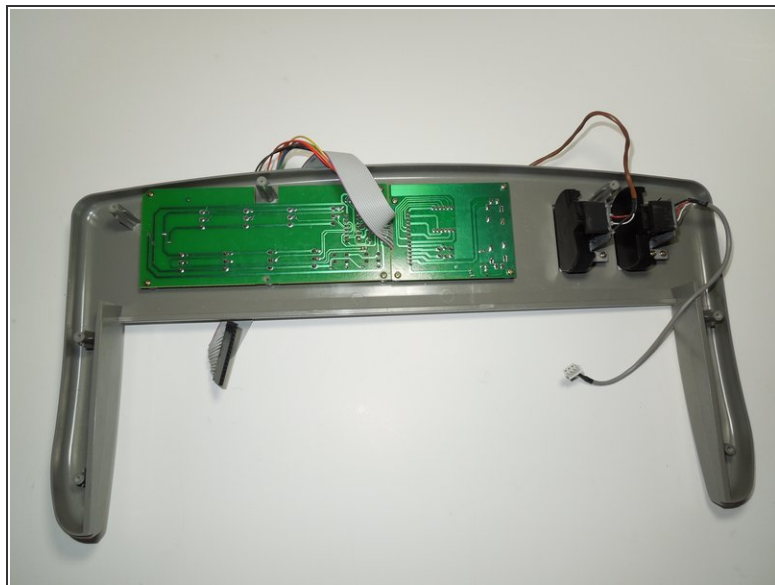
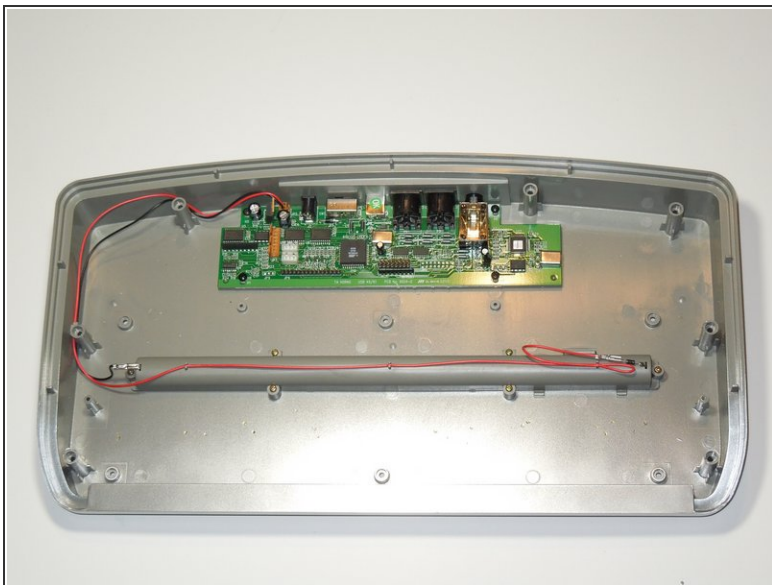
Step 3



● Removal of Ribbon Cables

- ❗ Prior to removal, note, mark, or take photo's of the position of all connectors. Specifically note the side that the red wire is on, as ribbon cables are polarized cables that must be re-installed correctly. Installing the cables backwards may cause damage to the device or significantly hinder the troubleshooting process.
- To separate the back plate, remove all five cables that connect to the motherboard but do not originate from the back plate; the key assembly, LCD circuit, rotor tuning circuit, and the pitch and modulator circuits. None of these cables require tools to remove, simply apply firm upward pressure to remove them.

Step 4



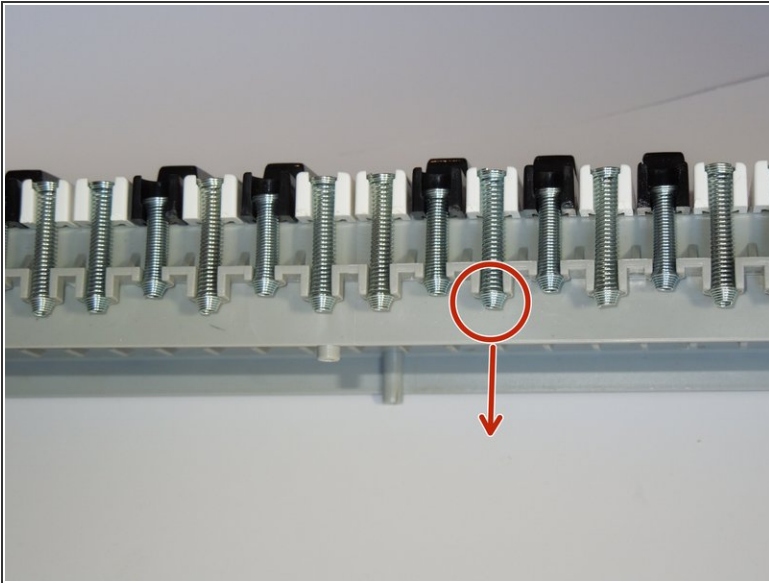
- Remove the key assembly from the key board.
- What remains is the back plate and the top plate assemblies.

Step 5 — Keys



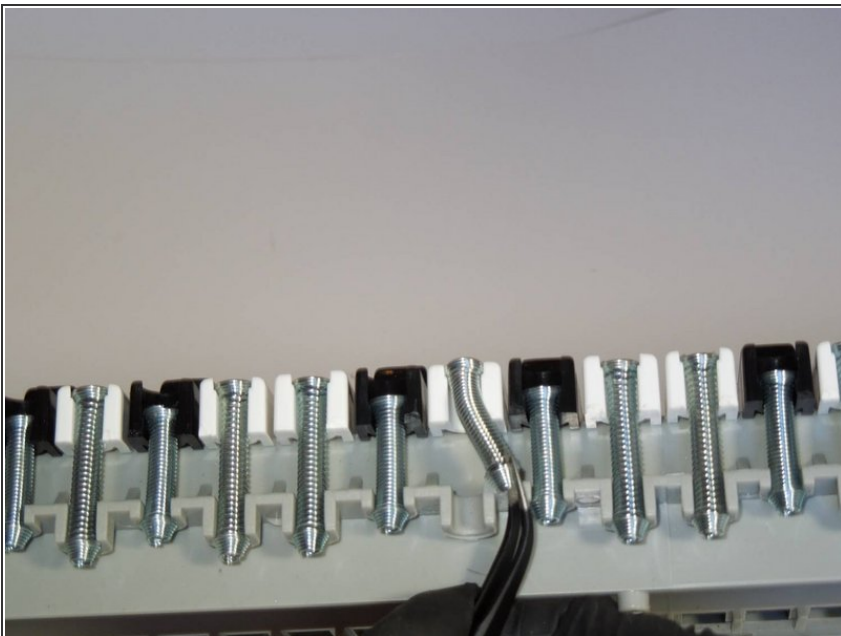
- The keys are retained via a tension spring. The removal of these springs is simple using the hooked needle point tweezers from the iFixit Toolkit.

Step 6



- To remove, simply insert one of the tweezer ends through the opening at the end of the spring.
- Press the end between the spring windings after the windings start to reduce in size towards the inside of the spring.

Step 7



- Next, clasp the spring windings with the tweezers and gently apply tension outward.
- The spring should thin slightly and be easily raised up and out of the retaining keyway.
- This will free the key from the keyboard assembly for repair or replacement.

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