2.[17] **3.**a. |**4.**a. **3.**b. æ . **5.**[19]

Cimbalo Cromatico Kit Installation

AKM320 to 17 & 19 note MIDI Keybaord

- 1. Gently stack/attach components in the following order so that their square pads interlock, forming a straight row.
- 2. Set aside until step 5.
- 3. Open Enclosure
 - a. Unscrew black screws from back of AKM320. Save these for later reassembly.
 - b. Carefully lift the face of the enclosure off of the instrument like that of a book cover, so to not damage the ribbon cables. Do not disconnect the cables.

4. Remove existing keyboard

- a. Unscrew the silver screws from the top of the keyboard components.
- b. Note the slightly smaller screw nearest to the right end. In this build, these silver screws may be used interchangeably, however if desiring to reinstall the original 12-note keyboard, it is worth mentioning.

When removing the keyboard components, pull keys outwards (as though towards the player) before lifting upwards, so to not break their plastic "feet" hooked to the underside of the circuit board.

Caution: To allow this design to be more readily 3D printable, these Cimbalo Cromatico keyboards do not contain this hooked "foot" component. With that in mind, it's important to assure that these keys are only pressed and not accidentally lifted upwards, e.g. when hastily stowed away, etc.

5. Installing your Cimbalo Cromatico Keyboard

Begin by plugging the device into your preferred DAW/MIDI interface. Place the 17 or 19 note keyboard components over the active sensors, aligning the square pads over each sensor.

Using the same silver screws from step 4., affix the new keyboard components beginning with the outermost holes. Gradually tighten screws uniformly across the components while testing keyboard velocity.

In many instances these screws will not need to be fully tightened to work as over-tightening a screw may cause a sensor to be undesirably pressed. Additionally note that there are more screw holes than silver screws on the original 12-note keyboard. Use this opportunity to "calibrate" your keyboard so that all keys are level and active and so that velocity feels more or less consistent.

6. Reassemble Enclosure