RetroLinear / Warneck Research

200 & 200A SERIES WURLITZER VARIABLE SPEED VIBRATO INSTALLATION INSTRUCTIONS

INTRODUCTION:

The Warneck Research VariVib is a variable speed vibrato upgrade for all Wurlitzer 200/200A series electric pianos.
It works with all Warneck Research Wurlitzer amplifiers and allows musicians to vary the vibrato speed from 1 Hz to 15Hz

Because there is high voltage in and around the area of installation, installation should only be completed by qualified personnel. It is recommended that the installer be familiar with working on Wurlitzer electric pianos.

INSTALLATION INSTRUCTIONS:

1. Tools Required: ½" nut driver or deep socket, drill with ½" bit (UniBit recommended), small cutters, soldering iron & solder

2. Turn off and unplug the piano from the AC line.

3. Remove the cover from the piano and observe the control stem where the two control pots are mounted.

4. The VariVib comes preassembled for easy installation. Loosen (but do not remove) the mounting nuts on the two control pots using the nut driver.

5. Slide the VariVib behind the control stem plate and in front of the pots, engaging each pot's location tabs in the small holes in the VariVib bracket. Try to keep the two original pots in the same horizontal (left-to-right) location.

6. Be careful to make sure the Varivib board or bracket does not come in contact with the 120VAC wires on the back of the volume pot.

7. Tighten back down the mounting nuts on the pots, making sure that they are properly aligned and engaged with the bracket.

8. The VariVib connection points are located in the center of the amplifier circuit board. Locate the area labeled "VARIVIB" and directly below that you will see "R W B". Solder the red, white and black wires to their respective locations while being careful to not apply excess solder.

9. Using a pair of small cutters remove the "^{200A}ROPT1" or "^{200}ROPT" resistor from the amplifier board.
200 Series: ROPT is located near the 6 pin terminal block.
200A Series: ROPT1 is located Below the R W B connection point.

10. Plug in and power on the piano, checking for proper operation. The LED should be flashing on the back of the VariVib board and the third pot should vary the speed. The vibrato control should still control the depth of the vibrato effect.

11. Once proper operation is verified, turn off and unplug the piano from the AC line.

12. Remove the old faceplate. In many cases you can simply pull the faceplate off or use a small flat blade or scraper to pry under the faceplate. After the faceplate is off remove as much glue residue as possible to create a clean and smooth gluing surface. Beware certain solvents may damage/melt the piano lid. A scaper or blade is ideal for removing the excess glue residue. Using the new faceplate as a template, align it where the old one was and mark where the 3rd hole should be drilled in the piano cover.

13. Using the step/UNI-Bit drill the new hole in the piano cover. Install the jewel on the new faceplate. Then apply the faceplate to the piano. We suggest using a contact cement to glue the new faceplate on. "DAP WeldWood" brand contact cement works well. Be sure to follow all application and saftey instructions when using glue- it is flammable and you should do this step in a well ventilated area.

14. Reinstall cover on piano and add third knob.

15. This completes installation of the W200 VariVib.

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