Voyager Old School: Setting the Pitch Bend Range

The Pitch Bend Range of the Voyager Old School is set to a factory default of +/- 7 semitones nominal (+/- musical fifth).

An internal jumper makes this setting, and can be moved to set the pitrch bend range to +/- 2 semitones, or +/- 1 octave.

The procedure requires a clean and comfortable worktable, a #2 Phillips screwdriver, and a "prop block" - an object at least 2" high, no higher than 2 7/8", used to prop up the chassis – a 2" thick roll of duct tape works great! The procedure requires the user to open the back panel of their minimoog. This will not void the warranty, provided NO ADJUSTMENTS ARE MADE TO THE CIRCUITS INSIDE! The procedure should take just a few minutes.

1) Place the Voyager on your worktable with its back facing you. ***MAKE SURE THE POWER IS DISCONNECTED FROM THE WALL OUTLET!!!! Opening the Chassis with the power connected poses a serious risk of electric shock!*** Touch a grounded object to discharge any static electricity built up on your body.

2) Lift the chassis with the handle until it's at a 90-degree angle with the table – insert your prop block underneath the chassis. Then lower the chassis so it is resting on the prop block. The hinge that holds the back panel should be in the middle of the prop block. (fig. 1) The back panel with the Voyager's serial number will now be facing you.

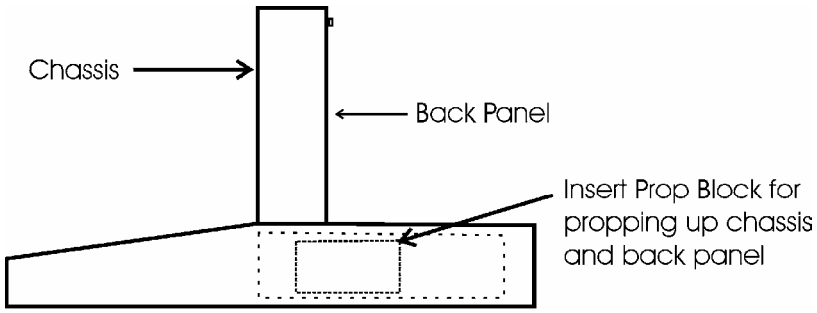

figure 1

3) Locate the 5 Phillips head screws across the top of the back panel – remove the first 4. When you get to the 5th screw, remove it carefully while supporting the chassis' back panel, as this is the only screw holding the back panel up at this point. After the 5th screw is removed, carefully lower the back panel – it is hinged and it will swing down and rest on the prop block. (fig. 2) ***Don't touch any thing inside except as stated below in the instructions***. Put the screws in a safe place for reinstallation.

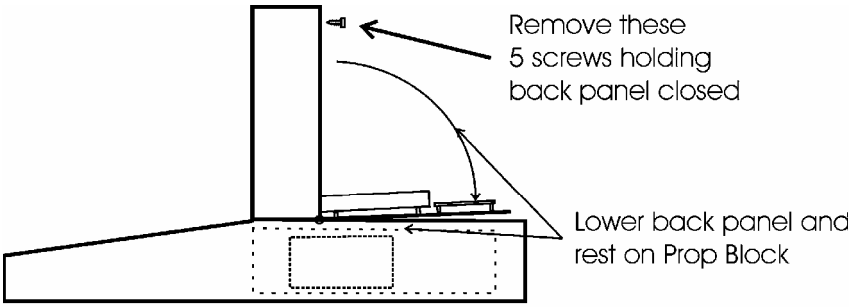

figure 2

4) Now that your Voyager OS is open – locate the circuit board behind the LFO, Mod Buss and Oscillator controls. This is the 11-441 Left Panel board, and is on the right as you face the rear of the instrument. Refer to figure 3 to locate the 6-pin header with a jumper called J7. The jumper is used to set the pitch bend range of the Voyager O.S. The figure indicates the positions on J7 that set the Voyager O.S. pitch bend range to +/-2 semitones, the default of +/- 7 semitones, or +/- 1 Octave. Carefully move the jumper to the desired setting.

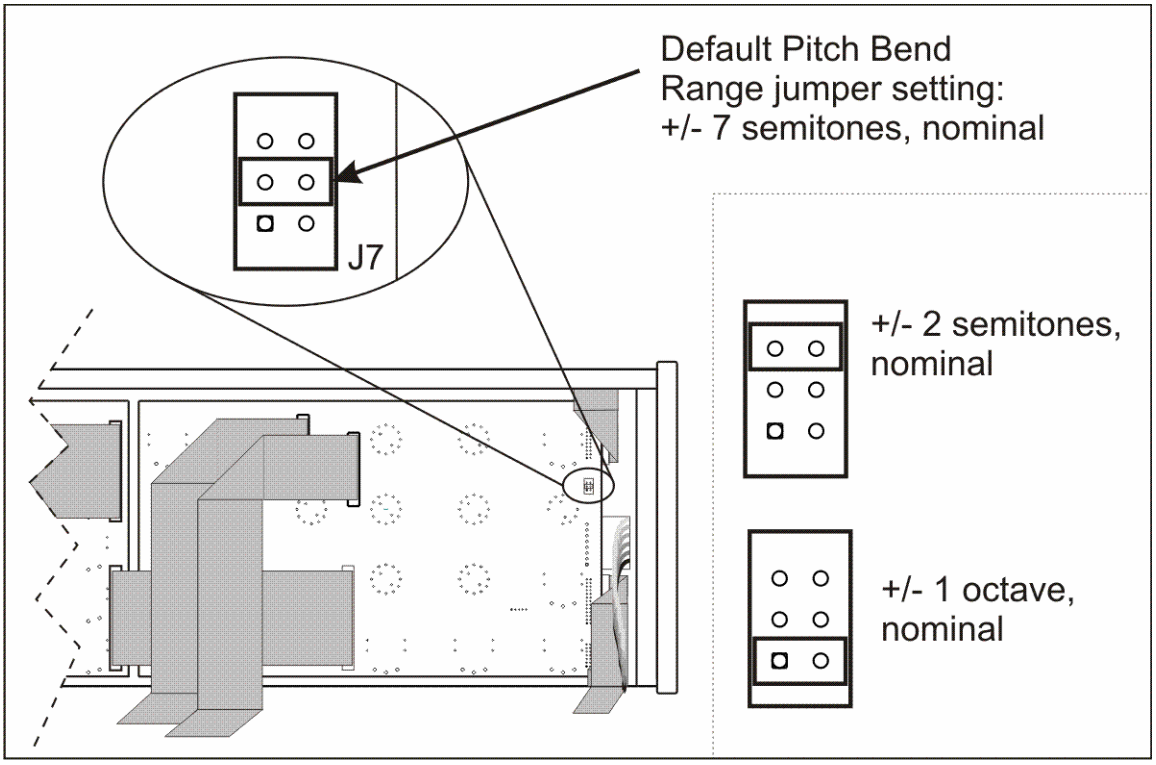

figure 3 (inside view of back panel showing location of 11-441 and J7)

9) Carefully lift the back panel up so it closes. Take care not to allow the ribbon cables to get pinched between the side pieces and the back panel. Finger tighten one of the 5 screws into its spot at top of the chassis. Install the remaining screws and tighten them with your #2 screwdriver.

10) You're finished with setting the pitch bend range of your Voyager O.S.!

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