

## MOUNTING THE OSCAR SCHMIDT 21 CHORD CONVERSION KIT ... *Will NOT fit other harps!*

Remove your old chord bar assembly. NOTE: 12 and 15 bar assemblies can be removed intact by unscrewing the base mounting screws and lifting the entire assembly off the harp. Keep the end bar holders pressed tightly against the chord bars so the assembly stays together. When you pull the end bar holders off to the sides, be careful, as the springs will be loose and can fall out. When storing your old assembly, put the old springs in a little "baggie" so you won't lose them. However, you will no be using any of the parts from your old original set of chords. **FOLLOW THE INSTRUCTIONS BELOW STEP-BY-STEP!**

### Your new 21 chord bar conversion kit consists of:

- 21 precut chord bars, each marked as to its chord at the right side of each aluminum bar (on the round hole side)
- 21 buttons, each marked with identification to coordinate with each chord bar
- 42 springs (one spring for each side of the 21 chord bars)
- 2 chord bar holders (each white holder looks like a comb, each with 21 posts sticking up)
- 4 metal mounting clips (2 for each chord bar holder, the long ends being retained by the screws that fasten the bar holders to the body)
- Total of 8 screws, as follows:
  - Longer set of 4: to mount the chord bar holders and metal cover clips to the harp (2 screws per holder)
  - Shorter set of 4: to mount the chord bar cover (2 per side) to the metal clips which will protrude from the sides of bar holders
- 1 large Chord Bar Cover, with 21 die cut holes ... the slightly shorter side of cover positions to high string side

The two chord bar holders are both the same, and are to position parallel to the sides of the strings. Note that the 21 posts on each holder are lined up *off center*, and must each mount so that the *two screw holes* are positioned on the *inside, closest to the strings*.

### **FIRST ... LOCATE AND FASTEN THE TREBLE SIDE CHORD BAR HOLDER:**

(You will find masking tape helpful to temporarily hold down the chord bar holder while locating it in proper position.)

- a) The treble side chord bar holder is to position about 3/8" to the right and parallel to the high "C" string.
- b) Fit the round hole end of your "Em" chord bar over the BOTTOM post of this holder. Keeping this chord bar at a right angle to the strings, adjust the vertical position of the chord bar holder so the chord bar felt measures a distance *no closer than 3/4"* above the point where the high "C" string vibrates on the string anchor. **Be sure that the chord bar felt covers the high "C" string and that all open spaces between the felt allow the "sounding" strings to center within each open space.**
- c) Now tape the chord bar holder *in this exact position as described* ... and punch a mark, centered through the bottom hole in the chord bar holder. Move the chord bar holder away, and drill a 1/32" hole vertically into the harp at this center punched mark. Put the chord bar holder back in position and screw in the bottom screw, *almost ... but not fully tight*.
- d) Be sure the holder is perfectly parallel to the high "C" string. Insert the round hole end of your "Eb" chord on the TOP post of the holder. **Keep this chord bar at a right angle to the strings, and make certain that all openings between the felt properly center over the "sounding" strings.** Then, punch a mark through the chord bar holder TOP mounting hole. Drill a 1/32" hole into the harp at this mark ... and tightly screw down both fastening screws.

### **SECOND ... LOCATE AND FASTEN THE BASS SIDE CHORD BAR HOLDER, and add the top cover mounting clips:**

- a) With screw holes facing inside towards the strings, position this holder by dropping the slotted ends of the top "Eb" chord bar and the bottom "Em" chord bar over the posts of the holder. Each chord bar must be at a right angle to the strings! **The slots must allow the posts to be CENTERED, left to right within the slots, and the holder should be parallel to the strings.** Note that there is a greater distance from the string anchor at this side. This is appropriate. Center punch through both mounting holes and drill both 1/32" holes. Before inserting screws, position the two top cover mounting clips under the bar holder with the long part of clip under the holder ... and other part facing up, away from strings. Now screw this assembled unit down tight.
- b) Return to the treble side holder, remove the two fastening screws. Insert the 2 remaining top cover clips into position under the holder, as above. Now screw this assembly back into position.

**FINALLY ...** Insert a spring onto each post, 21 per side. (Here's a tip! If you apply a dab of clear silicone glue at the base of each post before lodging each spring in place, you won't have to worry about losing springs in the future!) Drop chord bars into position, and then place proper buttons on each chord bar. Now place the plastic cover over everything, line up and adjust the buttons till they pop up through the holes in the cover. A pencil with a soft eraser helps when doing this. Insert and tighten the 2 screws per side that hold the top cover in place. Check the action of chord bars to be sure they go up and down effortlessly.

**Congratulations ...you've done it!**