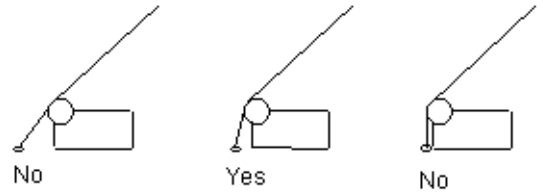
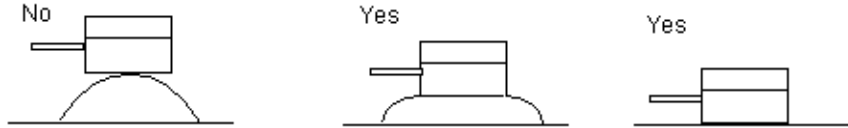


# Kortier Harp Pickup Installation

—Mount pickups at correct distance from string holes:



—Pickups must be firmly attached to a flat surface for good acoustical function, and to prevent rotation.



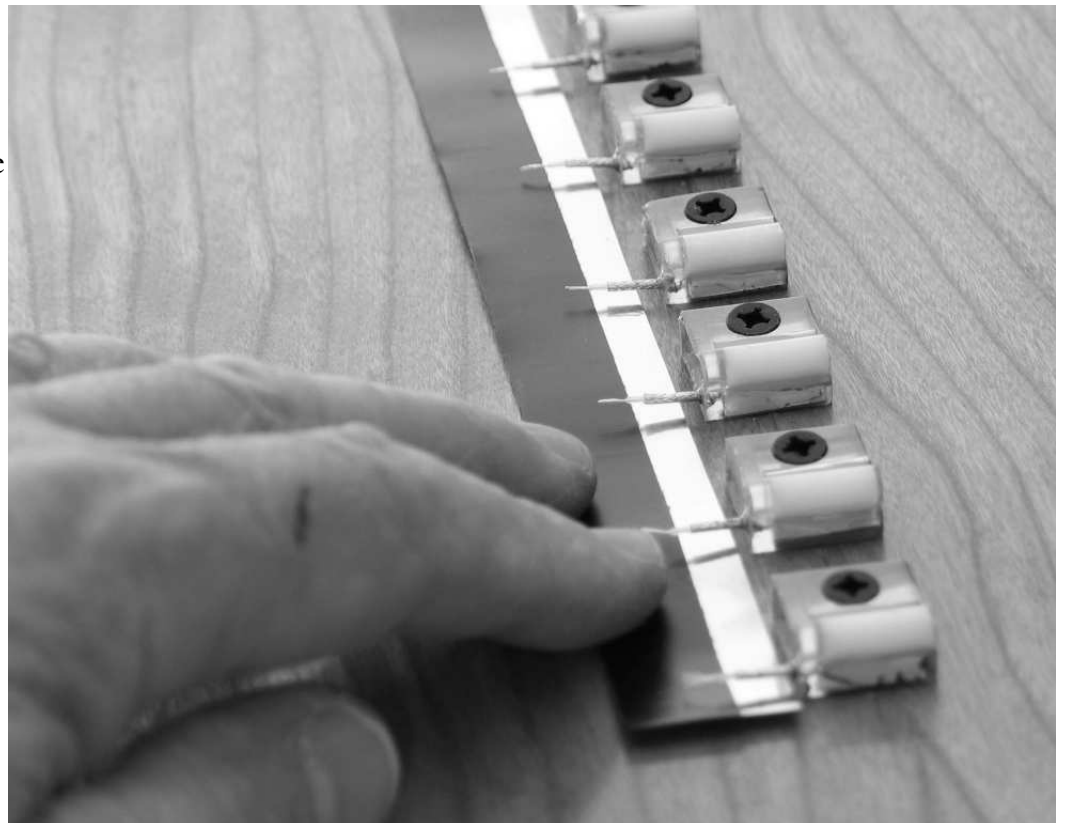
If string holes are already present, mount pickups at a consistent distance from holes, to maintain string spacing. Fasten top and bottom pickups in place first, and clamp a straight edge between them. Remaining pickups can be positioned against this edge, so that all are in alignment.

On a new harp, first mount pickups with correct string spacing, then drill string holes. No eyelets are needed for the strings, as the pickups carry the downward pressure of the strings, preventing them from cutting into the soundboard.

## Wiring

—After pickups are mounted, place connecting buss in place. Cut to length and slide under pickup wires, black side up, with copper edge toward pickups.

—Braided shields on pickup wires should overlay copper edge of buss strip.



—Solder braided shields to copper strip. Use rosin core solder intended for electronics work. Get good solder flow by heating the copper under the wire and place a dot of solder there. Lift copper strip with a thin wooden stick, as you reheat the solder dot. Solder should flow into the braided shield.



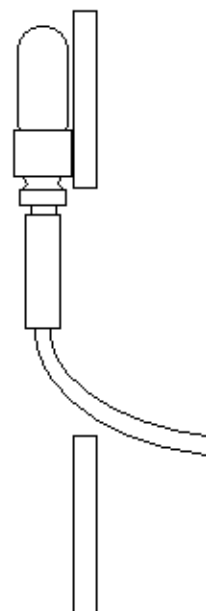
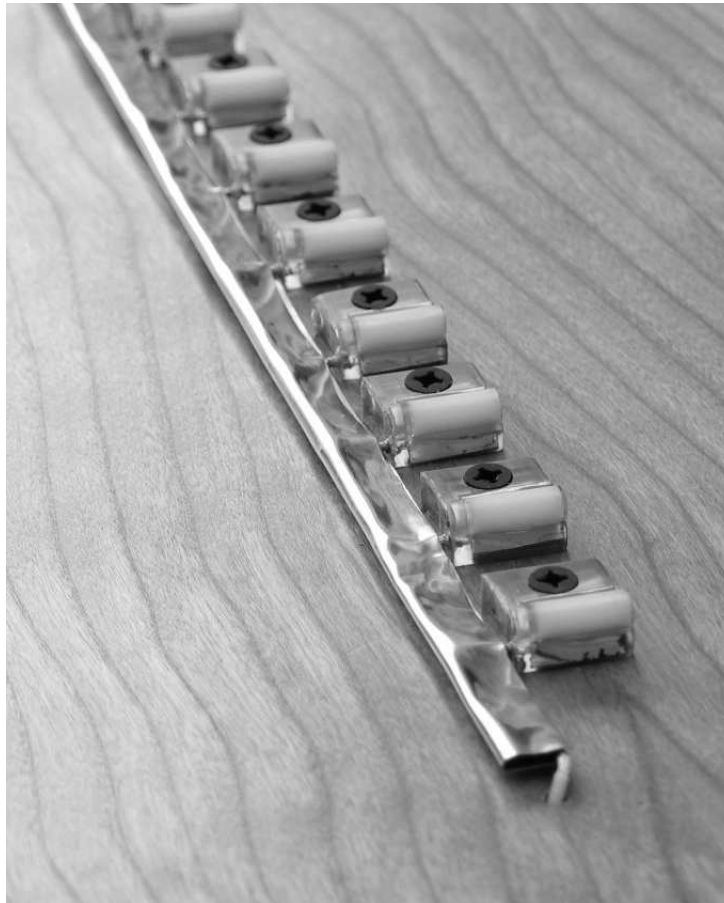
—When all shields are soldered in place, connect center leads by soldering them together with a thin copper wire.

—Bring the miniature coaxial cable up through a small hole in the soundboard, near the end of the buss strip, or at any convenient point along the buss. Solder in a similar fashion to the buss, as you did the pickups.



—Connect a 9 volt battery to the Fishman Powerjack and plug the unit into an amp. At normal volume settings you should hear no hum, and no noise when buss strip is touched. If either is present, or if the system makes no sound when you tap on pickups, you have a bad connection somewhere.

Check all connections with a continuity test meter. When everything is working properly, fold the buss strip closed. This completes the shielding around the wiring connections so that your harp will remain totally quiet in the presence of electromagnetic interference (preventing hum and static).



Mount Powerjack wherever convenient. I suggest gluing the wooden mounting block inside the harp, above the lower access hole, so the cord hangs down out of the back of the harp when plugged in.