

**Schatten Mandolin Pickup Models: M-02, M-02 Std, M-02 Pro**

Thank you for purchasing one of our mandolin pickups. Each pickup is carefully hand built and tested to ensure that it meets our high standards for quality and durability.

The M-02 is the new, revised version of our original M-01 mandolin pickup. The changes made to this pickup allow for better string to string balance (particularly on the outside strings), and a little bit lower signal output level for easier balancing with an amp or preamp.

**Installation Instructions:**

- 1) The feet of the bridge must be fitted correctly to match the curve of the belly of the mandolin. The bridge itself has some flex to the feet of the base and you may check the fit of the bridge by exerting a small amount of down pressure on the bridge and seeing how well the feet match the top. If the fit is not good, and if you are not comfortable doing the fitting of the bridge, then it is strongly suggested that you take your pickup and instrument to your local mandolin builder/ repair person or luthier to have the work done professionally.
- 2) Reasonable care should be taken when handling the pickup until it is installed. The lead wire from the pickup is quite flexible and is not prone to breakage. Please refrain from any excessive pulling or tugging on the lead wire.
- 3) The piezo crystal is located in a channel routed into the underside of the bridge's top saddle. That channel is 0.110" in width and is 0.230" in depth as measured from the bottom of the saddle. The length of the channel cut is approximately 2" and the piezo crystal extends almost to the area under the thumb wheels.
- 4) If it is necessary to reduce the physical height of the bridge, some material may be removed from the bridge base. Further height reduction may be made by removal of wood from the compensated top area of the saddle. This should be done with caution so as not to weaken the saddle unnecessarily. **No material can be removed from underside of the saddle or from the area where the saddle rests on the height adjusting wheels - doing so can cause the pickup to stop working and will void your warranty.**
- 5) An output jack of your own supply should be solidly anchored to the mandolin so that no undue strain is placed on the lead out wire.
- 6) The lead wire is a 2 conductor shielded cable; under the outer black covering is the (-) copper ground wire and inside of that is another insulated wire which carries the (+) hot signal.
- 7) The piezo crystal in the bridge is extremely sensitive and is quite high in output. Please make sure that you take the time to adjust the volume on your amp when first using the pickup.

**M-02 Std and M-02 Pro** - Your pickup comes prewired to a jack assembly.

- 1) Using a small allen key or other small round, attach the lower portion of the chin rest clamp to the 'legs' of the jack assembly. The jack assembly is normally positioned in the area of the tailpiece and can be repositioned as necessary.
- 2) Included with each jack assembly are a few extra strips of cork that you may stick to the underside of the unit if you find that the unit will not fully tighten to the instrument.
- 3) A pair of leg extensions is also included with the jack assembly and can be threaded onto each clamp leg as required.

**Warranty**

We warrant to the original purchaser that our pickups are free from defects in materials and workmanship for a period of 2 (two) years. Should a product fail to perform properly within the specified warranty period you may contact your dealer or Schatten Design for instructions. No product will be accepted for warranty return by Schatten Design without a Return Authorization number.