

## M-100 Mandolin Pickup

Thank you for your purchase of a FISHMAN product. Please read these instructions carefully. If you have any questions or problems, contact our **PRODUCT INFORMATION LINE** at **978-988-9665** or at **tech@fishman.com**.

The FISHMAN M-100 Mandolin pickup comes embedded in a high quality GIBSON™ style adjustable mandolin bridge. The fully shielded pickup system may be non-destructively mounted on the instrument. No additional holes or alterations are required for mounting.

## PARTS LIST

- Mandolin Bridge with Pickup Implant
- Mandolin Bridge Bottom
- 1/2" Diameter Jack Clamp
- #5 Washer
- 1/2" Wood Screw

## IMPORTANT

When mounting the pickup on the instrument, be careful in handling the wire at the base of the element. Be sure NOT to pull pull on the wire because if damaged, the pickup will become useless. However, once the pickup is mounted in place, the M-100 is sufficiently protected and you can expect years of service.

## Limited Warranty

The FISHMAN M-100 MANDOLIN PICKUP is warranted to function for a period of One (1) Year from the date of purchase. If the unit fails to function properly within the warranty period, free repair and the option of replacement or refund in the event that FISHMAN is unable to make repair are FISHMAN's only obligations. This warranty does not cover any consequential damages or damage to the unit due to misuse, accident, or neglect. FISHMAN retains the right to make such determination on the basis of factory inspection. Products returned to FISHMAN for repair or replacement must be shipped in accordance with the Return Policy, as follows. This warranty remains valid only if repairs are performed by FISHMAN. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

### Return Policy

To return products to FISHMAN TRANSDUCERS, you must follow these steps...

1. Call FISHMAN TRANSDUCERS at 978-988-9199 for a Return Authorization Number ("RAN").
2. Enclose a copy of the original Bill of Sale as evidence of the date of purchase, with the product in its original packaging and a protective carton or mailer.
3. FISHMAN TRANSDUCERS' technicians will determine whether the item is covered by warranty or if it instead has been damaged by improper customer installation or other causes not related to defects in material or workmanship.
4. Warranty repairs or replacements will be sent automatically free of charge.
5. If FISHMAN TRANSDUCERS determines the item is not covered by warranty, we will notify you of the repair or replacement cost and wait for your authorization to proceed.

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*Acoustic Power*

## Installation Guide

### M-100 Mandolin Pickup



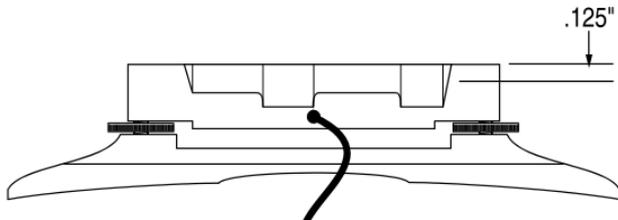
**FISHMAN®**  
*Acoustic Power*

## INSTALLATION

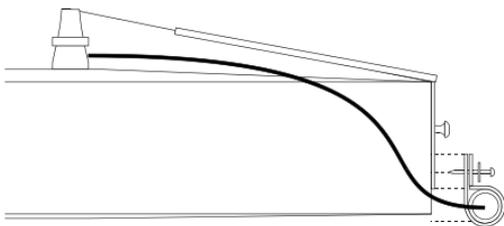
1. By trial, determine whether the top of this bridge is compatible with base of the existing bridge on the instrument. If so, you may place the furnished bridge top onto the existing base and discard the furnished base.

Should the top of the furnished bridge and the existing base not be compatible, use the furnished base. Have a qualified repairman fit the furnished base to the instrument.

2. When profiling and notching the top of the bridge, you may safely remove up to 1/8" (.125") of wood without damaging the sensing element.



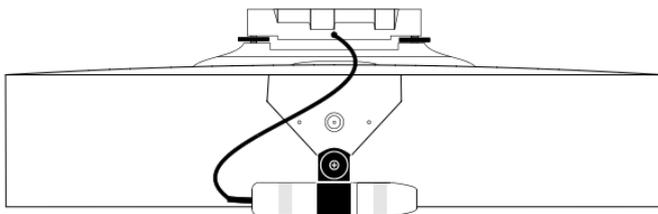
3. Remove the screw at the bottom of the tailpiece and replace with the supplied screw, washer and jack/clamp assembly. Fasten the assembly securely.



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## PERMANENT JACK INSTALLATION

A fully shielded internally mountable jack is available from Fishman. Installation by a qualified repairman is advised.



## PERFORMANCE TIP

Due to the typically high tension of the E strings you may notice a low frequency "thump", especially when tremolo picking on these strings. This can be remedied by applying an equalization cut at 75 Hz.

## PLUGGING IN

Due to the nature of passive pickups, the type of cable you use and the input you plug into will affect the quality of your sound.

### Instrument Cable

Cable lengths over 10 feet (before preamp) will cause audible high frequency loss. Use a high quality, low capacitance shielded cable. This will ensure minimal tone coloration and hum. Using fully shielded metal plugs will also help eliminate hum.

### Kinds of Audio Inputs

Because of the lack of standardization for high impedance audio inputs, special attention should be paid to what you are plugging into:

The AG-125 / AG-094 will sound best when plugged directly into an input with a 10 M $\Omega$  impedance; the full frequency response of the instrument is reproduced.

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The AG-125 / AG-094 can also be plugged into inputs as low as 1 M $\Omega$  with adequate results; the bass frequencies will be slightly rolled off.

### Preamps

We strongly recommend using a 10 M $\Omega$ , impedance matching, buffered preamp in conjunction with the pickup.

A matching preamp will:

1. Realize the full frequency response potential of the pickup.
2. Permit long cable runs (after the preamp) without signal deterioration.
3. Allow precise volume and tone shaping with dedicated EQ.
4. Ensure compatibility with virtually any instrument level audio input available.

**Fishman Transducers manufactures a complete line of compatible preamps, all with 10 M $\Omega$  inputs:**

**POWERJACK** - Miniature Endpin Preamp

**MODEL GII & BII** - Outboard Acoustic Instrument Preamp

**AGP-2** - Onboard Instrument Preamp

**PRO-EQ II** - 4 Band Acoustic Instrument Preamp

**PRO-EQ PLATINUM** - Outboard Acoustic Instrument Preamp / EQ / D.I.

**DUAL PARAMETRIC D.I.** - Fully Parametric Two Band Preamp / D.I.

**ACOUSTIC / BASS BLENDER** - 2 Channel Pickup / Mic Preamp

**POCKET BLENDER** - 2 Channel Pickup/Mic Preamp

### Musical Instrument Amplifiers

Most musical instrument amplifiers (at least 1 M $\Omega$  input impedance) will yield useable results. Acoustic instrument amplifiers have a 10 M $\Omega$  Piezo input, ideally matching the pickup.

### Direct Boxes

You can plug the AG-125 / AG-094 into an "active" direct box (1 M $\Omega$  to 10 M $\Omega$  input) with very good results. Using a passive direct box will sound weak and thin.

### PA / Recording Consoles

Professional PA and recording consoles have a much lower input impedance than what is acceptable for the AG-125 / AG-094 ; you will need an impedance matching preamp. Plugging a passive piezo pickup into a mixer without an impedance matching preamp will sound harsh and thin.

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