

## Read Me First!

Installation of this product is a simple procedure, but we recommend this job only if you are an experienced repair technician.

## Requirements

AG-Series pickups are designed for specific string spacings. Be sure to select the correct pickup for your instrument.

### AG-094 or AG-125

2.125" (54mm) string spacing  $\pm .05$ " (1.3mm)  
.094" (2.3mm) or .125" (3.2mm) width

### AGX-094 or AGX-125

2.3125" string spacing  $\pm .05$ " (1.3mm)  
.094" (2.3mm) or .125" (3.2mm) width

### Saddle slot

Minimum saddle slot length: 2.775" (70.4mm)

## Installation

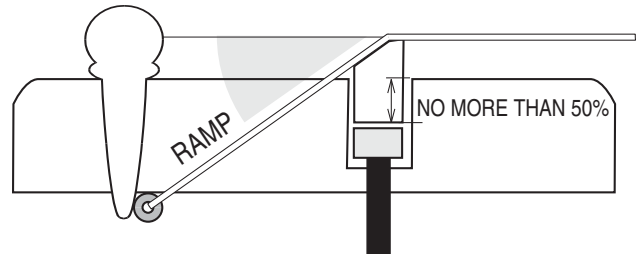


**Observe the following precautions!**

- Handle the pickup carefully! Do not trim the pickup to make it fit. Mishandling may tear the delicate foil shield, producing ground hum or intermittent signal.
- Both the saddle and saddle slot must be flat and square for proper pickup performance and balance.

### Mechanical factors affecting pickup performance

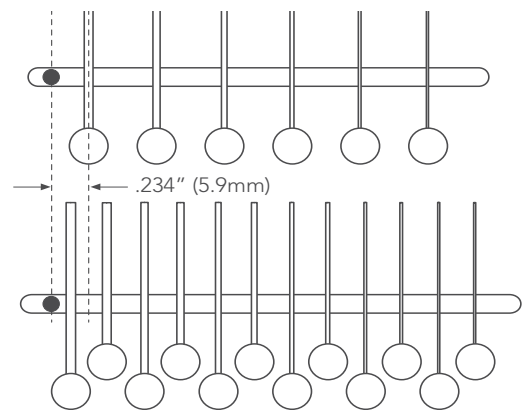
- Break Angle: In order for the pickup to perform optimally, there should be a 20° (minimum) string break angle across the back of the saddle.
- The 50/50 Rule: There is an important relationship between the overall saddle height and the bridge slot depth. We suggest that the saddle slot depth (with pickup installed) measures no more than 50% of the total height of the saddle. If the slot measures more than 50% the total height of the saddle, balance and/or output level of the pickup may suffer.



### 1. Locate the wire hole

The location of the wire hole is critical to the performance of the AG-094/AG-125 as it determines the correct position of the piezo elements relative the strings.

1. Locate the center of the wire hole .234" (5.9mm) from the closest outside string. (Or center of the closest pair of outside strings for 12-string models.)



2. Mark the location where the wire will enter the saddle slot. Center the mark between the walls (width) of the slot.

3. Drill a .094" hole.

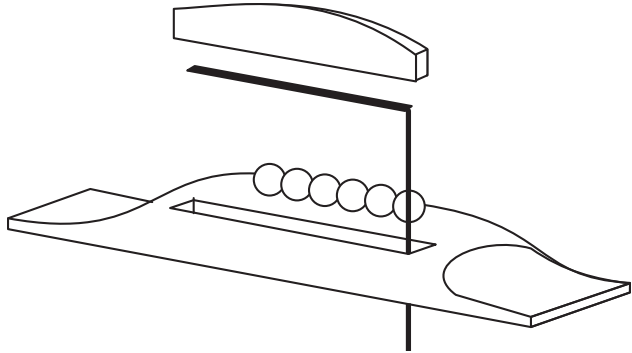
4. Clear wood chips and foreign materials from the saddle slot.

5. Carefully insert (do not bend) the pickup. The pickup must fit loosely in the slot, without binding. If the corners of the pickup touch the radiused ends of the saddle slot, pickup failure could result.

## 2. Prepare the saddle

Organic saddles (eg, bone or ivory) are not structurally as consistent as synthetic materials and may not produce optimal string balance through the pickup. Synthetic materials such as Micarta™ or Corian™ are suggested.

1. Prepare a .125" wide saddle (.094" for Narrow Format). The bottom of the saddle must be flat.

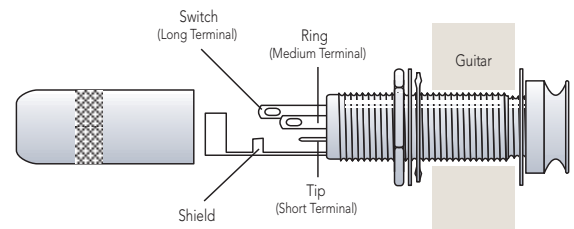


2. Remove only enough material from the width of the saddle to provide a sliding fit in the slot. To test the fit, the saddle should slide easily in the slot, but should not fall out when overturned. To maintain your current action, the new saddle must be .048" shorter in height than your current saddle.

## 3. Install the pickup

If installing the AG pickup with an optional onboard preamp, please defer to those instructions to complete installation.

1. Insert the pickup in the slot and then strip and tin the wire ends.
2. Unscrew the shielding cap on the jack to expose the solder terminals. Thread the pickup wire through the shielding cap.
3. Solder the insulated pickup "hot" wire to the Tip terminal and the ground wire to the Shield tab.
4. Gently tighten the strain relief and refasten the shielding cap to the jack.



## 4. Endpin jack

Install the endpin jack per Switchjack Installation Guide.