



What A Great Guitar Should Be

Fishman Acoustic Matrix™ Pickup Installation and Set Up Procedure

1. INSTALLING FISHMAN ACOUSTIC MATRIX SYSTEM IN GUITAR'S BRIDGE

Installation of the Fishman Acoustic Matrix system is made easy by the development of a polymer "canoe" that houses the acoustic pickup as well as the guitar saddle. Install Fishman canoe in guitar bridge so that the saddle is angled back towards the bridge pins (See illustration 2, Side View). 85 mm canoes may require a slight adjustment to the overall length due to slight variance in the bridge slot routing. MEASURE FIRST AND TRIAL FIT CANOE INTO BRIDGE BEFORE ALTERING CANOE. Sand a small amount of material from each end of the canoe if needed. 80 mm canoes require no adjustments for fitting.

2. BRIDGE PIN HOLES

Bridge pin holes should be slotted on the leading edge to insure proper ramping of the string from the bridge pin to the saddle. This maintains downward string pressure on the saddle for balanced pickup output.

3. ADJUST SADDLE HEIGHT

Saddle height should be adjusted for proper action. To lower saddle height, remove saddle from canoe and sand away material from bottom of saddle only. Use a belt sander or similar tool.

Note:

Finished saddle must maintain a flat and straight bottom surface that is perpendicular to the sides of the saddle. FAILURE TO DO SO MAY RESULT IN UNRELIABLE OR UNEVEN STRING RESPONSE.

4. SETTING THE ACTION

When setting the action on a Fishman equipped guitar requires raising the overall saddle height, the following methods must be used to insure proper operation:

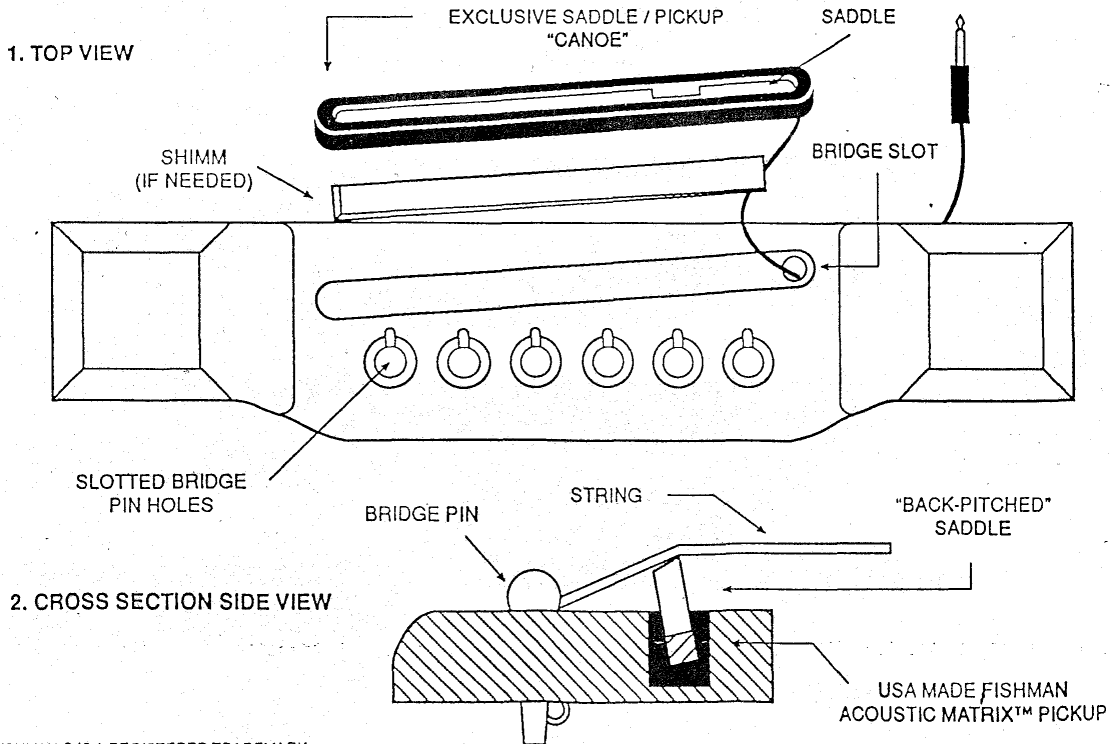
4a. Shimming: Install full length shims under the canoe to raise the overall assembly the required amount for correct action. DO NOT INSTALL SHIM BETWEEN THE SADDLE AND PICKUP. THIS MAY RESULT IN UNRELIABLE OR UNEVEN STRING RESPONSE. If you must raise one side of the assembly higher than the other (lengthwise), use a shim tapered in thickness to achieve the desired action.

5. CHANGING THE SADDLE

Use a high quality saddle material such as bone or graphite. The bottom of the saddle must be cut so that it remains absolutely flat and perpendicular to the sides to insure balanced string response from the Fishman Acoustic Matrix pickup. BOTTOM OF SADDLE MUST HAVE EVEN CONTACT WITH THE FISHMAN ACOUSTIC MATRIX PICKUP ALONG THE SADDLE'S ENTIRE LENGTH AND WIDTH. IF SADDLE IS MOUNTED WITHOUT SOLID CONTACT BETWEEN SADDLE AND PICKUP, UNEVEN STRING RESPONSE OR "CUTTING OUT" MAY RESULT.

Note:

To achieve an increase in action of 1 mm (measured at the 12th fret) requires raising the saddle 2 mm. Use this 2 for 1 ratio to determine the required saddle height.



FISHMAN ® IS A REGISTERED TRADEMARK.