

JLD

GIUITAR RESEARCH & DEVELOPMENT, Inc.

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A JLD Bridge System or a JLD Bridge Doctor can be installed in most guitars, either six or twelve string.

The JLD Bridge Doctor is installed using brass replacement pins to replace the standard bridge pins and to hold the bridge doctor in place underneath the guitar's bridge-plate.

The JLD Bridge System is installed using a screw and dot. It requires a hole be drilled through the bridge behind the pin holes.

1. Loosen and remove the strings from the guitar.
2. Choose the position for the attachment post and screw it into the appropriate hole in the system block. There is three holes to accomodate most guitars.
3. Determine which JLD you are installing.
 - a. To install the JLD Bridge Doctor, first sort the replacement pins according to the size of the small holes in the top of the pins. These holes become the string holes. Once installed, your guitar will string like one with a pinless bridge. Install the five (5) replacement pins in the appropriate holes using the locking nuts that have been provided. Do not install a pin in the D or G string holes. It's your choice, but we usually recomend the D hole. Do not over-tighten the pins. A paper clip or safety pin makes a good wrench to tighten and yet not over-tighten the pins. (Refer to Figure 1)
 - b. To install a JLD Bridge System, you must drill a hole in the bridge centered between the D and G holes midway between the back of the bridge and the pin holes. Mark the hole position, center punch it, then drill the 1/4" hole about 1/8" deep to accomodate the screw head and the filler dot. **This hole should be drilled by hand, not with a high speed electric drill.** In the center of this hole drill a hole through the bridge and top of the guitar using a 9/64" bit. (Refer to Figure 2)
4. Remove the adjustment screw from the system block and insert the block into the guitar through sound hole. Align the hole in the attachment post with the appropriate hole in the guitar and attach it with the necessary pin or screw.
5. Insert the tension rod into the guitar and through the tension hole in the system block, with the pointed end toward the guitar's tail block. Mark the tension rod where it protrudes from the system block. Remove the tension rod from the guitar and cut the rod 3/8" shorter than the mark.
6. Reinstall the tension rod, pointed end toward the sound hole, and install the tension screw. With a 3/16" allen wrench adjust the tension on the Bridge System. Normally we adjust the rod just tight enough so there is no lateral play in the rod, but the rod can be rotated between your thumb and forefinger. Of course, if the top needs to be flattened that does not apply, and the screw should be tightened until the top is in a position near what it was new. Remember that **ALL FLAT TOP GUITARS ARE NOT FLAT.**
7. Restring and enjoy. Most guitars have to be played for awhile before the wood relaxes and starts to sound the way it should.
8. Don't be afraid to experiment with the tension. It acts much like the sound post in a violin. A small adjustment can make a big difference.

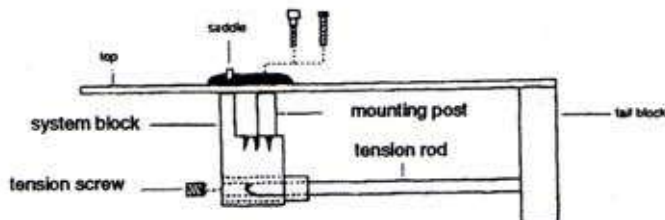


Figure 1

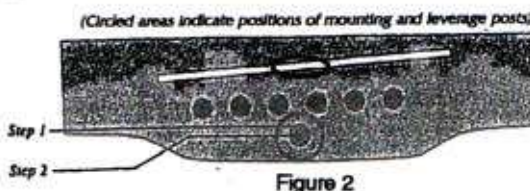


Figure 2