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Thank you for purchasing your new Hipshot Double Stop Xtender Lever. The Double Stop retro fits your Bass or Guitar Xtender key. Now you can instantly access THREE notes extending your instruments range and giving you many more options. We are sure that you will find this to be a very valuable addition to your music!

INSTALLATION INSTRUCTIONS-

The Double Stop lever kit includes-

- Two size Allen wrenches- 3/32", 9/64"
- One #8-32 pivot screw
- One Spring washer
- One Brass bushing
- Three flat washers
- One Double Stop lever

1. Remove low E string from the instrument.
2. Remove the lever that is currently on your Xtender using the 9/64" Allen wrench. Be sure to remove all parts of the lever assembly and keep them together. They should include the pivot screw, a spring washer, 2 or 3 flat washers, a small brass spacer tube which is inserted in the lever and the lever (see Assembly Drawing Fig. 1).
3. Now assemble the parts for the Double Stop: (See Fig. 1) Stack two flat washers (3 are supplied in the Double Stop kit) around the threaded hole on the base plate. Be sure that the brass spacer bushing is inserted in the hole of the Double stop lever and place it on top of the washers. Place the spring washer over the short end of the brass spacer bushing which protrudes slightly through the lever.
4. Place the remaining flat washer on the lever. Apply a small amount of LockTite thread locking compound (if not pre-applied) on the last few threads of the pivot screw and install it through the lever. Using the 9/64" Allen wrench carefully tighten the pivot screw. Be careful not to over tighten the pivot screw as you could damage the bass plate. Also be sure the spring washer is centered and is not pinched between the top of the lever and the flat washer. (Hint! If the spring washer is visible under the flat washer then it is not centered. Loosen the socket screw slightly, this will allow you to center the spring washer into its proper position.) Now retighten the pivot screw and flip the lever back and forth to be sure that it moves smoothly. Reinstall your low E string and tune up using the following tuning instructions:



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TUNING INSTRUCTIONS -See online tuning instruction video at:
<http://www.youtube.com/watch?v=krL94H-wwDw>

Tuning your new Hipshot Double Stop Xtender Key. For this example we will tune your string to "E", "D" and "C"*. (Tuning is made much easier using a Strobe or Chromatic tuner). Remember that tuning problems can be caused by a poor quality nut. A brass nut is not recommended for this application as brass does not let the string slide freely. It is advisable to install a high quality graphite nut and use a lithium, silicon or graphite lubricant to decrease friction.

1. Tune your "E" note using your tuning peg. With your thumb lever in the up ("E") position [FIG 2], use your Tuning Peg to tune your string to "E". (Always tune from flat up to E.) Now flip your Thumb Lever all the way down and immediately back up to the E position. Check the tuning of your E note. If the note has settled sharper than E, drop the pitch of the string (using your tuning peg) to around E flat, raise it up but this time leave the pitch slightly flat of E. Flip the thumb lever down and up then recheck the tuning. If the pitch is still flat, give the tuning peg a very small turn, flip the lever down and up then recheck your tuning. If you over shoot the E note, back the tuning peg down and repeat this procedure. (Flipping the lever down and up settles your string and gives you the most accurate tuning.) Once you have tuned your "E" note, you are ready to tune your C note.

2. Tune your low note ("C") using your Low Note Tuning Screw [FIG 3]. Flip your thumb lever all the way down. (Be sure that the tip of the Middle Pitch Screw is not touching the Swivel Plate). Check your C note with your chromatic tuner. If your note is sharp of C, flip your thumb lever up to the E position and loosen your Low Note Tuning Screw slightly. If your low note is flat of C, flip your thumb lever up to E and tighten your Low Note Tuning Screw slightly. Now flip your thumb lever all the way down and recheck your C. Repeat this procedure until your low note is in tune.

3. Tune your middle note ("D") using your Middle Note Tuning Screw. Gently flip your thumb lever to the middle note position. You will feel the "stop" or "detent" as the tip of the Middle Note Screw contacts the swivel plate. It is important that the tip of the Middle Note Screw and the tip of the Thumb lever contact the swivel plate simultaneously. Practice flipping the lever into the middle note position a few times to get the feel. If you over or under flip the lever, your middle note will be out of tune. Adjust the middle note by turning the Middle Note Screw in to sharpen or out to flatten the pitch of your middle note. Flip the lever back and forth to recheck you note.



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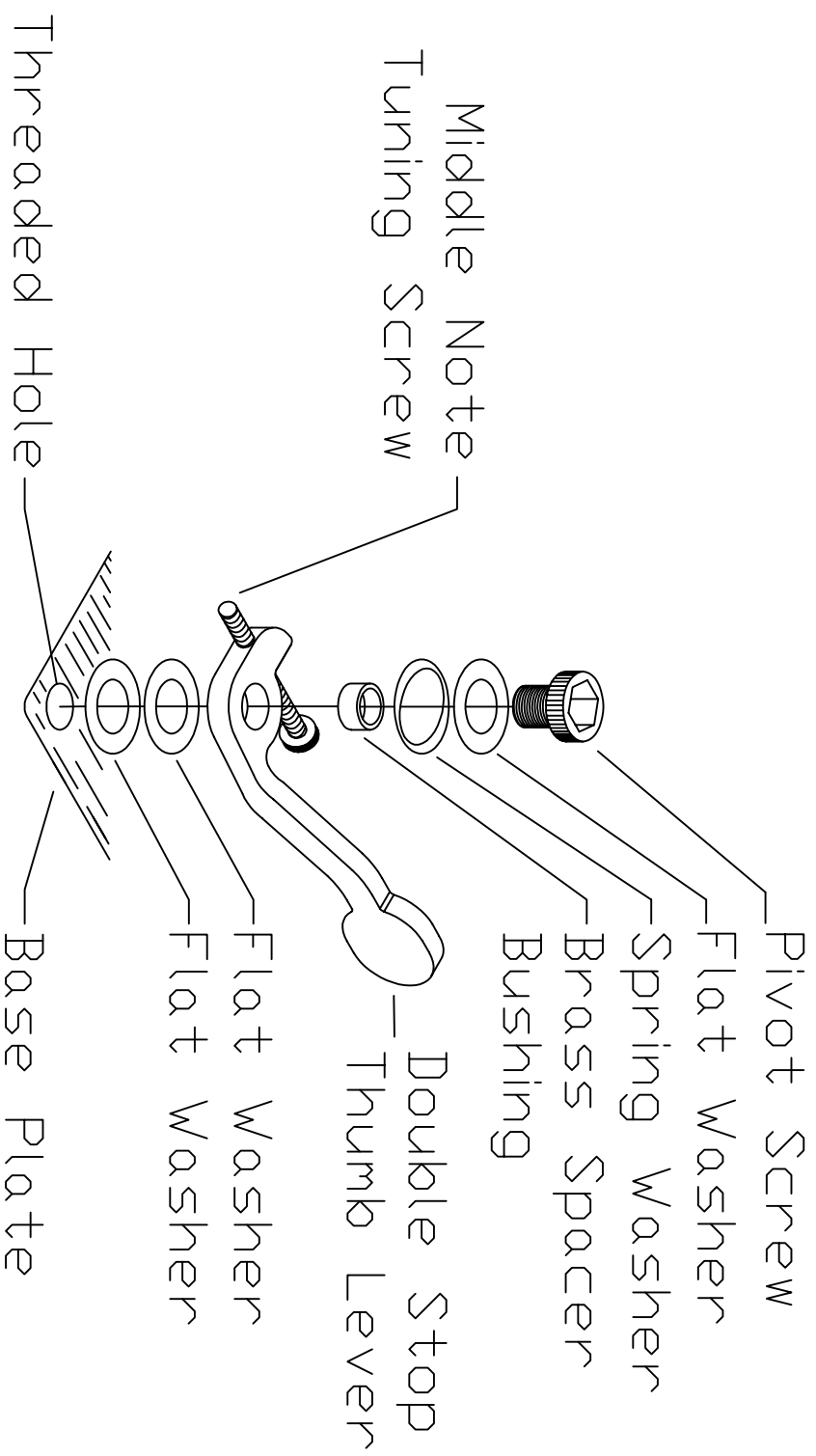
There are many different combinations which you can tune your New Hipshot Double Stop. In most cases your Hipshot can tune down to Low B! Please keep us posted. We would love to see you on You Tube!

Thanks!!!

*Please note: You may tune E Flat in the lowest tuning position; however the Hipshot Double Stop **should not** be tuned to E Flat in the middle tuning position. Doing so may cause the middle tuning screw to jam against the swivel plate resulting in unit damage.

Double Stop Assembly Drawing

Fig 1



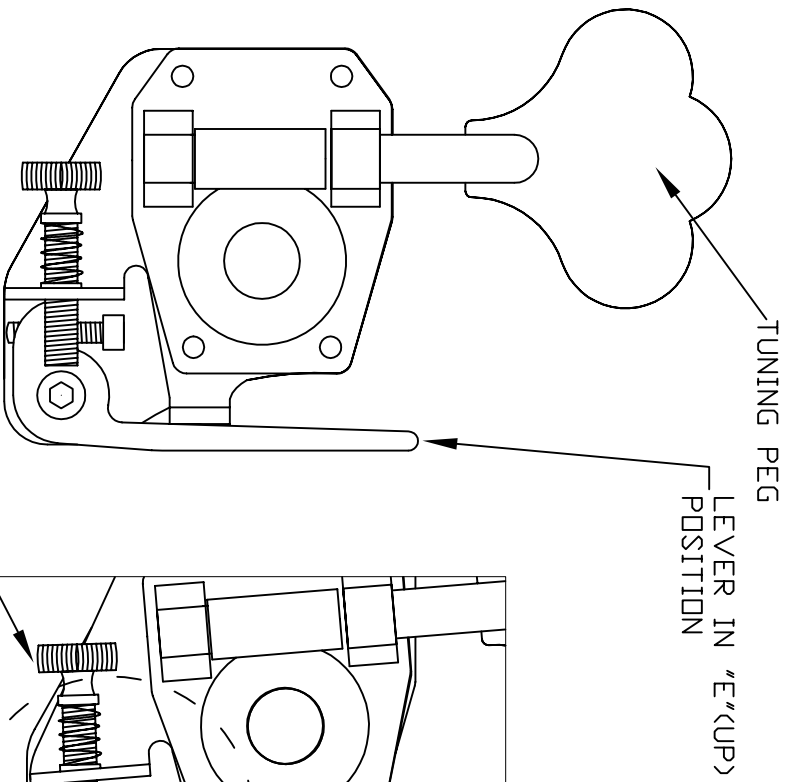


FIG 2

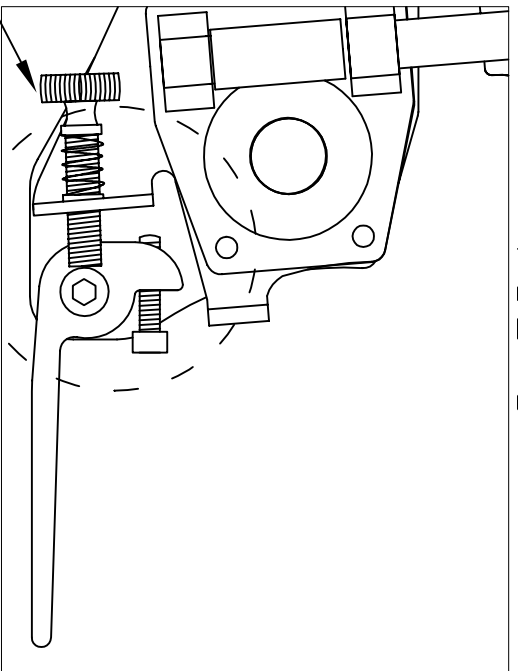


FIG 3

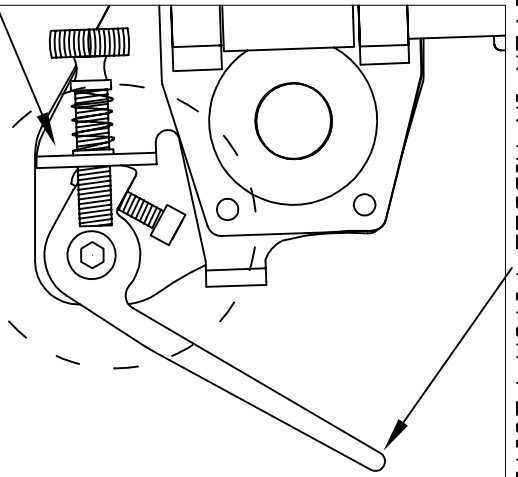
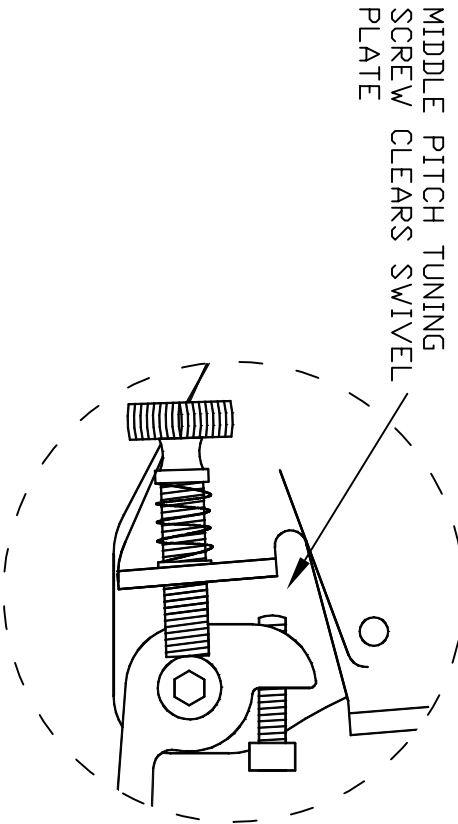
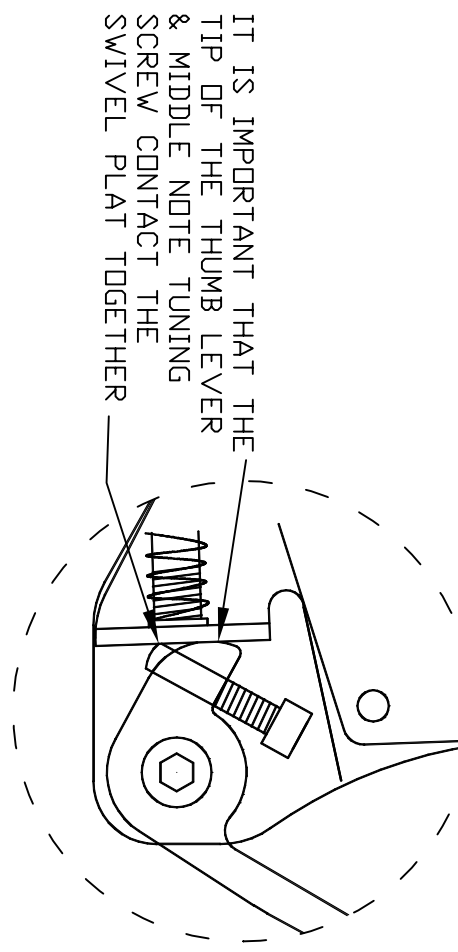


FIG 4
LEVER IN MIDDLE PITCH POSITION



MIDDLE PITCH TUNING SCREW CLEARS SWIVEL PLATE



IT IS IMPORTANT THAT THE TIP OF THE THUMB LEVER & MIDDLE NOTE TUNING SCREW CONTACT THE SWIVEL PLAT TOGETHER