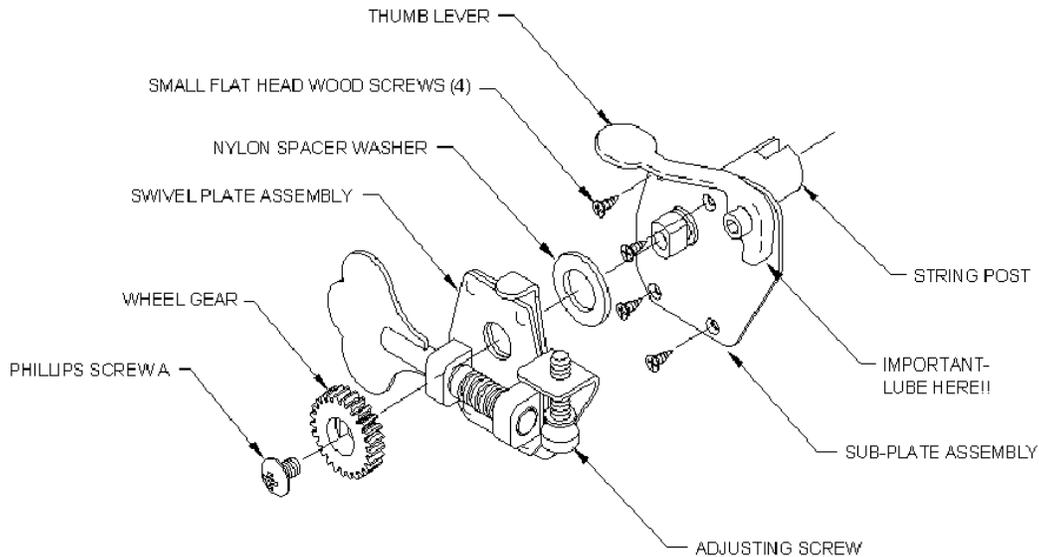


# INSTALLATION INSTRUCTIONS FOR HIPSHOT BASS EXTENDER KEY

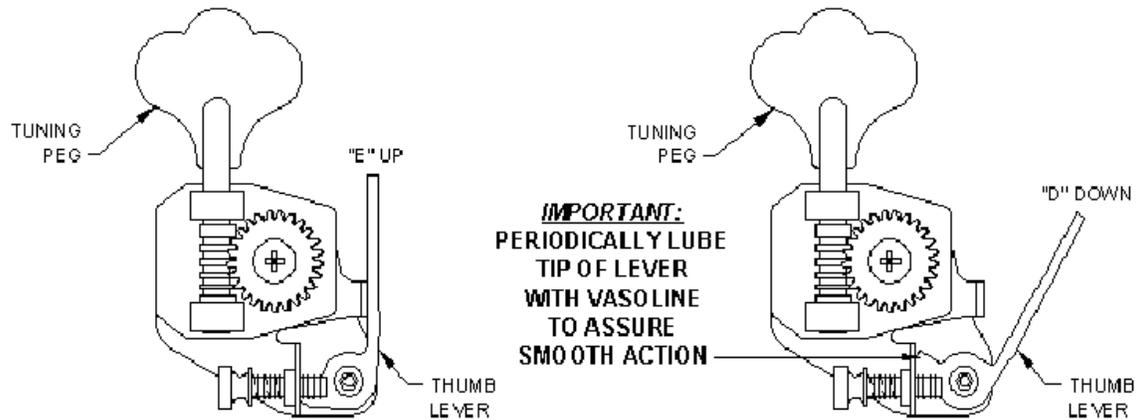
TYPES BT-1, BT-2, BT-3, Y-1, Y-2



1. Remove tuning machine leaving guide bushing in place. You will find this bushing pressed in to the front of the peg head.
2. Disassemble Bass Extender Key by removing Phillips screw A. Carefully pull wheel gear off string post. Be sure not to lose nylon spacer washer.
3. Insert string post through bass peg head to align sub plate. Secure sub plate to bass using small flat head wood screws provided.
4. Reassemble tuner being sure nylon spacer washer is in place.
5. **IMPORTANT!** With Vaseline or light grease lubricate the end of thumb lever which cams on sub plate.
6. Be sure to follow Hipshot Extender Key Tuning Instructions for accurate tuning.

## **HIPSHOT EXTENDER KEY TUNING INSTRUCTIONS**

**IMPORTANT!** FOR PRECISE TUNING USE THE FOLLOWING PROCEDURE:



**First tune the "E" note:**

With the thumb lever in the up ("E") position, tune the string up to "E". **Always tune from flat up to pitch.**

Now flip the thumb lever down and back up to settle the string. Check the tuning. If the string has settled sharp, correct by dropping the string pitch down to about "E-FLAT" and then bring it back up but this time leave it slightly flat. Flip the thumb lever down and up one time and recheck tuning.

If the pitch is still flat, give the tuning peg a very small turn, flip the lever down and back up, and recheck your tuning again. If you overshoot, back down and repeat the procedure.

**Now tune the "D" note:**

Flip the thumb lever down to the "D" position. Check your tuning. If your string is out of tune, flip the thumb lever back to the "E" position and adjust the small "D" tuning screw. **Do not turn the tuning peg!**

Flip the lever down to the "D" position and recheck your tuning. Repeat this procedure until "D" is in tune. Note: on many guitars, the string may actually be tuned down as far as low "C".

***The above sounds harder than it really is. With a little practice it will become second nature and will take only a few seconds.***

**Every time you turn the**

**tuning peg,** you must give the thumb lever one quick flip down and up to set the string and give you the true tuning of the string.

*Your new Hipshot will provide you with high accuracy in tuning and retuning. The finest hardware and materials have been selected to insure high reliability for many years. If you have any questions or problems, or would like a free catalog, please do not hesitate to call or write me. I will be happy to assist you in any way I can.*

*Sincerely,*

**David Borisoff  
Hipshot Music Products**