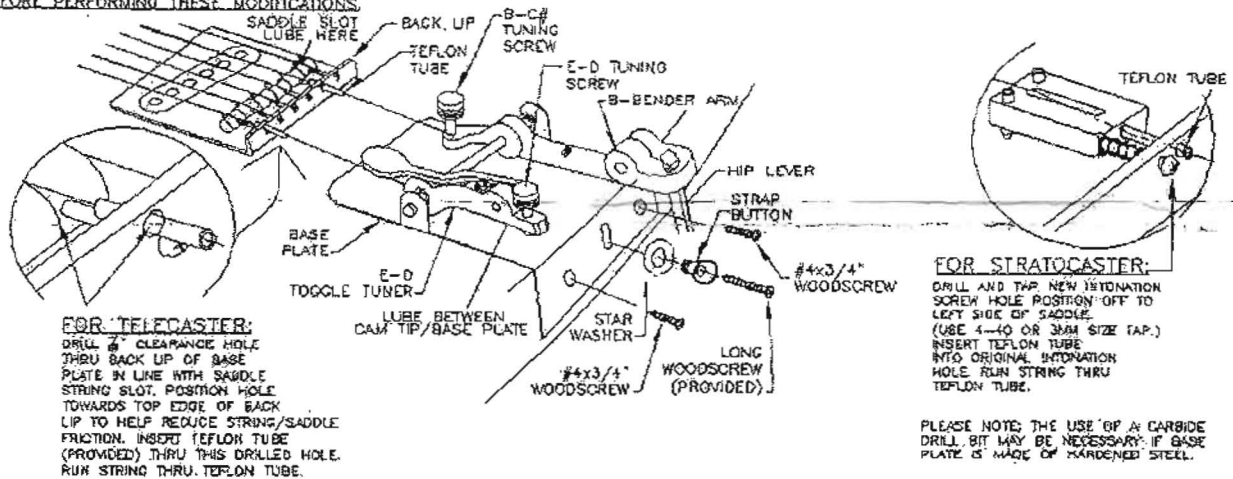# INSTALLATION INSTRUCTIONS FOR HIPSHOT STRING BENDING SYSTEM
B-Bender and E-D Toggle
(TELECASTER & STRATOCASTER GUITARS)

REMOVE THE BRIDGE FROM THE GUITAR BEFORE PERFORMING THESE MODIFICATIONS.

SADDLE SLOT LUBE HERE — BACK UP — B-C# TUNING SCREW — TEFLON TUBE — E-D TUNING SCREW — B-BENDER ARM — HIP LEVER — STRAP BUTTON — TEFLON TUBE

BASE PLATE — E-D TOGGLE TUNER — LUBE BETWEEN CAM TIP/BASE PLATE — STAR WASHER — #4x3/4" WOODSCREW — LONG WOODSCREW (PROVIDED) — #4x3/4" WOODSCREW
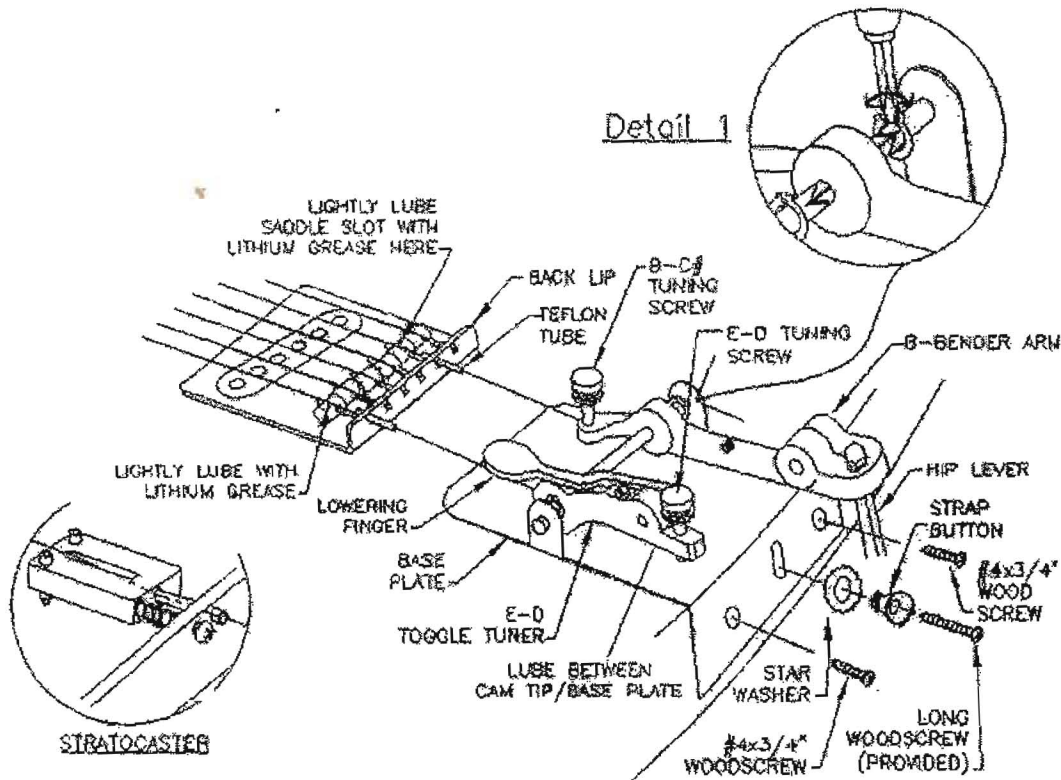
FOR TELECASTER:
DRILL 1/8" CLEARANCE HOLE THRU BACK UP OF BASE PLATE IN LINE WITH SADDLE STRING SLOT. POSITION HOLE TOWARDS TOP EDGE OF BACK UP TO HELP REDUCE STRING/SADDLE FRICTION. INSERT TEFLON TUBE (PROVIDED) THRU THIS DRILLED HOLE. RUN STRING THRU TEFLON TUBE.

FOR STRATOCASTER:
DRILL AND TAP NEW INTONATION SCREW HOLE POSITION OFF TO LEFT SIDE OF SADDLE (USE 4-40 OR 3MM SIZE TAP.) INSERT TEFLON TUBE INTO ORIGINAL INTONATION HOLE. RUN STRING THRU TEFLON TUBE.

PLEASE NOTE: THE USE OF A CARBIDE DRILL BIT MAY BE NECESSARY IF BASE PLATE IS MADE OF HARDENED STEEL.

1. Remove B and E strings.

2. Remove rear strap button.

3. Position Hipshot over screw hole. Using longer wood screw provided, refasten strap button, inserting star lock washer between strap button and Hipshot as shown. Be sure that Hipshot rests snugly against the face of guitar. Tighten screw securely. Optional 4x3/4" pan head wood screws (not provided) may be installed for added stability.

4. Using 7/64" bit, drill string clearance holes thru base plate (see Telecaster installation fig. above). Using new strings, thread 2nd and 6th strings through the Teflon sleeves. Wrap strings on tuning pegs, but leave strings slightly loose at this time.

5. With the tip of a sharp pencil, put small dabs of lithium grease under the string tree, in the nut slots, and in the saddle slots under the 2nd and 6th strings. This will reduce friction and insure accurate tuning. Also lube between the E-D toggle tuner cam tip and base plate.

6. Line up the B-Bender and E-D Toggle so strings are straight from the neck, through the bridge to the Hipshot (See "Positioning Hipshot String Bending System Using Blade & Phillips Screwdriver - Detail 1).

7. Guitar is now ready to be tuned to pitch. Tune B-C# and E-D notes by using appropriate tuning screws. (Note: several tunings will be necessary as the strings will initially stretch.)

POSITIONING B-BENDER ARM AND E-D TOGGLE TUNER USING BLADE AND PHILLIPS SCREWDRIVER

Detail 1

LIGHTLY LUBE SADDLE SLOT WITH LITHIUM GREASE HERE

BACK UP

TEFLON TUBE

B-C# TUNING SCREW

E-D TUNING SCREW

B-BENDER ARM

HIP LEVER

STRAP BUTTON

#4x3/4" WOOD SCREW

LIGHTLY LUBE WITH LITHIUM GREASE

LOWERING FINGER

BASE PLATE

E-D TOGGLE TUNER

LUBE BETWEEN CAM TIP/BASE PLATE

STAR WASHER

#4x3/4" WOODSCREW

LONG WOODSCREW (PROVIDED)

STRATOCASTER

1. <u>Carefully</u> pry snap ring away from raising arm with small blade screwdriver.

2. <u>Carefully</u> insert medium size Phillips screwdriver diagonally between ears of snap ring.

3. Spread snap ring diameter to be able to slide and position arms.

Note: Rings should slide easily when correct size Phillips screwdriver is used.