

THE NEW FENDER®-FLOYD ROSE® TREMOLO SYSTEM

The new Fender Floyd Rose tremolo system is a fusion of locking and non-locking systems. It is the best of both systems.

The Fender - Floyd Rose tremolo system makes use of a locking bridge, locking tuners, and the Fender L.S.R. roller nut. This system retains normal tuning at the headcap like a non-locking system and has similar tension due to the free length of string between the nut and the tuners. The tonality is also very similar to a non-locking system like the American Standard Strat. This unit will also drop into any Strat Plus or American Standard with no modifications to the body.

The tuning stability on the new system is excellent. The improvement that is most easily noticed is during string bending. When a note is bent on a non-locking tremolo, such as the American Standard Strat., the pitch of that string stays slightly flat from 15-30 cents (or hundredths of a semitone); very noticeable to human ears. When the tremolo bar is pressed and released the string returns to normal pitch. When a note is bent on the Fender Floyd Rose system, it returns to pitch without touching the tremolo bar (as on a double-locking tremolo).

The new Fender - Floyd Rose Tremolo is a joint effort using Fender and Floyd Rose technologies. It is based partially on Floyd Rose patents and licensing and also has Fender patents pending.

Adjusting the Fender-Floyd Tremolo

The intonation is adjusted underneath the bridge. To access the adjusting bolts, dive the tremolo with the trem arm. There are six bolts holding the saddles to the bridge plate. These are loosened with a special hex wrench included with the tremolo. The short end of this fits the saddle locking bolt (Fig. 1). This is easier if you turn the guitar up side down on your lap. You can hold the trem arm down with your left hand and you look at the bolt heads as you insert the wrench. Loosen the bolt only about 1/4 turn; enough so that you can slide the saddle easily but not more than necessary. You may now turn the larger bolt (Fig. 2) that is threaded into the saddle block in or out. This moves the whole saddle by pulling on the saddle locking bolt head. When the saddle is intonated properly, you need to re-lock the saddle to the plate. Use moderate force to tighten the bolt. **Do not over-tighten!** Unlike the original Floyd Rose, the saddle is already held in place so it only takes a small amount of pressure to fully lock the saddle down.

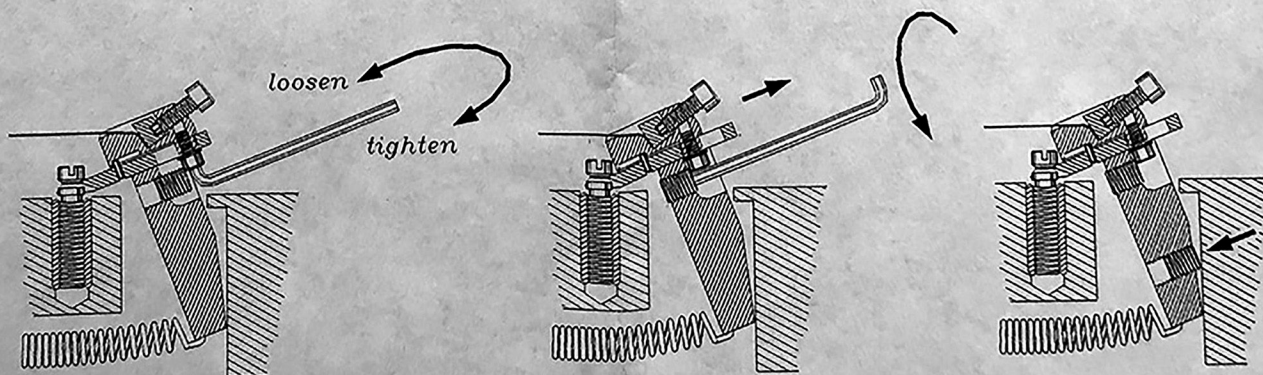


Fig 1.

Fig 2.

Fig 3.

NOTE:

- 1) There are two 3/32 hex wrenches. The short arm is for the saddle locking bolt (Fig. 1). The longer arm wrench works better to move the saddles back and forth because you can get more torque.
- 2) If you move the high E saddle away from the nut too far, the string could break as you release the trem arm. Move it only a small amount at a time.
- 3) As you intonate the guitar, the pitch changes and you must constantly re-tune. Be aware that as you lock the saddle down the pitch will go slightly sharp, depending on how loose the saddle locking bolt is. Some trial and error is required here.
- 4) If any strings fall out of the nut during extreme tremolo diving, you may want to limit the travel of the tremolo with the stop block in the block near the tremolo springs (Fig. 3). Use the short 3/32" hex wrench to turn this bolt until it protrudes beyond the surface of the tremolo block. It will now hit the body cavity before the block does. Adjust this until the problem is solved.