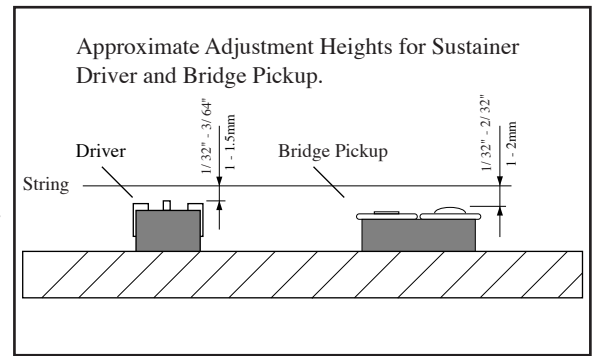


Sustainer Driver and Pickup Height Adjustment:

For the Sustainer to work properly it is necessary to set the driver and the bridge pickup to the approximate heights of- Driver- $1/32'' - 2/32''$ Bridge Pickup- $1/32'' - 1/8''$. Setting the Driver this close to the strings will cause the Driver to have more output (volume) than the middle and bridge pickup. The Driver output can be adjusted by the FGC trim pot on the Sustainer circuit board. Set the driver to match the output of the bridge and middle pickup.



Tips For Fernandes Sustainer Set-Up:

- 1) Fresh alkaline battery ie; Duracell, Energizer, etc.
- 2) Adjust bridge pickup as close to the high E string as possible. The low E string doesn't need to be as close.
- 3) Adjust sustainer driver in the neck position as close as possible to the high E string. The low E doesn't need to be as close.
- 4) Turn VBC trim pot on the pc board inside of the guitar all the way up. (Be careful, they are fragile.) This will increase the drive of the sustainer. (See sustainer PC board diagram)
- 5) Turn sustainer intensity control on the face of the guitar all the way up.
- 6) Heavier string gauges tend to work better with the sustainer 10's will work better than 9's etc. This is because heavy strings have more mass for the magnetic field of the sustainer to grab. However most people who play 9's are able to make the sustainer work to their satisfaction.
- 7) If you change the bridge pickup you will probably have to readjust the AGC trim pot. Symptoms- High pitched squeal.

Sustainer trouble shooting: Each Fernandes Sustainer is thoroughly tested before shipping, problems are generally caused by errors in wiring or incorrect Sustainer adjustment.

- 1) The Sustainer sounds distorted- Replace the battery with a new alkaline battery. Duracell and Energizer usually work best.
- 2) The Sustainer produces a high pitch squealing sound- Adjust the AGC trim pot on the Sustainer circuit board.
- 3) The guitar produces a high pitch squealing sound when the Sustainer is off- Adjust the FGC trim pot on the Sustainer circuit board.
- 4) The sustainer is not working, no sound- Is the battery light on the Sustainer circuit board on. If no the battery is either dead or there is a problem with the battery connection.
- 5) The sustainer is weak- A. The bridge pickup or the driver are not close enough to the strings. B. The battery is weak or a non alkaline battery. C. The sustainer intensity control or the VBC trim pot are not turned up.
- 6) The battery light comes on but there is no sound- Recheck the wiring something is not connected properly.
- 7) One mode of the Sustainer works while the other mode does not- Rotate the bridge pickup 180 degrees or take the pickup apart and rotate the magnet 180 degrees.
- 8) The harmonic mode is in the up position on the mode selector switch- Reverse the hot and ground on the bridge pickup, leave the bare shielding wire connected to ground.

Warranty: To validate the warranty, the warranty registration card must be completed and returned to Fernandes Guitars International Inc. within ten days of purchase. The Fernandes Sustainer is warranted against defects in material and workmanship for 1 year. While under warranty, all replacement parts and labor will be provided without charge. This warranty is to the original purchaser and may not be transferred.

Return Policy: Should your Fernandes Sustainer require service, you must contact the Fernandes dealer you purchased the Fernandes Sustainer from. The Fernandes dealer will determine if the unit can be repaired at their location or if the Fernandes Sustainer needs to be returned to Fernandes International Inc. If it is determined that the unit must be returned to Fernandes the dealer must contact Fernandes for a Return Authorization number. Next, Securely pack the unit along with a copy of the original sales receipt and then write the Return Authorization number on the outside of the box. www.fernandesguitars.com