

HELLECASTERS

Limited Edition

SIGNATURE
SERIES GUITARS

John Jorgenson **Hellecaster™**



"The John Jorgenson 'Hellecaster' is an instrument which features a broad combination of sounds; full-bottom end, a sweet, open, harmonically rich high end and no buzzing thanks to the hum cancelling pickup design. My goal in designing this guitar was not to replicate something that already exists, but rather to take features and sounds I love and combine them into something new. My thanks to the folks at Fender® and Seymour Duncan® for developing an instrument which exceeds my dreams, both sonically and visually."

John Jorgenson

Fender®

The Hellecasters Limited Edition

John Jorgenson Hellecaster™

"how it works"

(Note: Position 1 on the pickup selector is closest to the push-pull knob.)

with push-pull control down

Position 1 Bridge pickup alone - powerful with a bite. Set this pickup quite close to the strings to push a clean amp into a slight overdrive.

Position 2 Middle / Bridge pickup combo - with more output and definition than would normally be found in this position, use it with extremely high gain for controlled feedback. A very sweet clean tone.

Position 3 Middle pickup alone - offers for plenty of bite, yet full enough for a killer blues sound.

Position 4 Neck / Middle pickup combination - offers a fatter version of this classic sound.

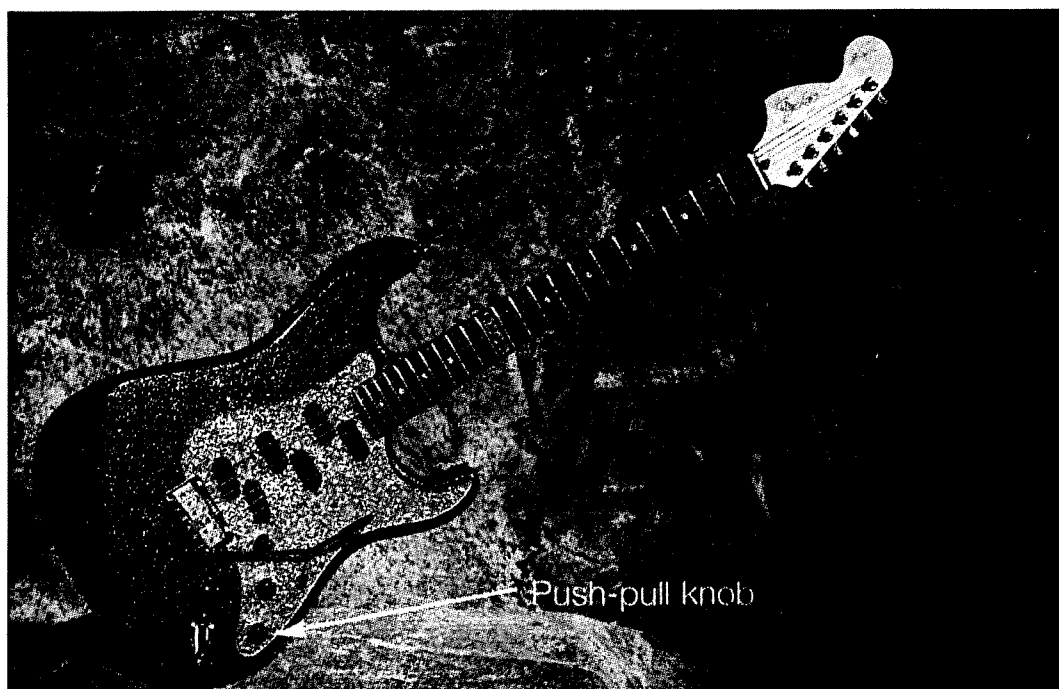
Position 5 Neck pickup alone - for a full, jazzy sound.

with push-pull control up

Position 1 or 5 Neck / Bridge pickup combo - for the classic "*Middle position on a two pickup guitar*" sound.

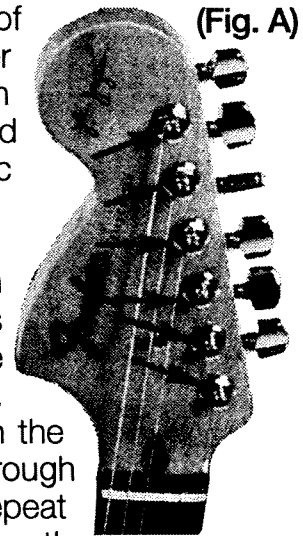
Position 2 or 4 activates all 3 pickups - offering a slightly thinner tone than in the down position. Good for a clean funk rhythm.

Position 3 Middle pickup alone - same tone as with push-pull control down.



RE-STRINGING YOUR JOHN JORGENSEN HELLECASTER

A set of new strings add to the enjoyment and tonal qualities of your guitar. Remember to change them often using Fender strings for optimum performance. Dirty, corroded or worn strings cause loss of sustain, loss of treble frequencies, and faulty intonation. Furthermore, string tension on most electric guitars and basses should be left tuned to pitch for shipping.



Your John Jorgenson Hellecaster comes equipped with Schaller Locking tuning keys. To help prevent breaking strings at the tuning keys, thread the strings into their respective eyelets according to the following procedures (see fig. A). Starting with the sixth string (low E) thread the string through the eyelet at the seven o'clock position, pull each string through tautly and tighten the thumb wheel to lock the string. Repeat this aligning and locking the fifth string at eight o'clock, the fourth and third string at nine o'clock and the second at ten o'clock. Finally, align the first string (high E) at the eleven o'clock position.

SYNCHRONOUS TREMOLO

Your John Jorgenson Hellecaster has a floating, fulcrum style tremolo which is tension balanced and utilizes two screws as pivot posts. The thick bass plate, steel spring block and hardened steel saddles help to deliver increased sustain and an extremely well balanced tonal response throughout the instrument's frequency range. Moreover, the saddles are individually adjustable for both string height and intonation.

Tremolo Arm

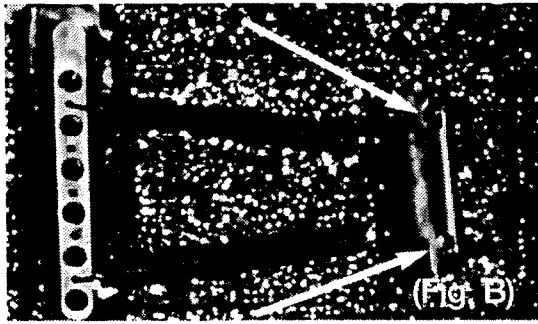
The "pop in" tremolo arm is installed by carefully placing it into the hole adjacent to the first string. **Do not** force the tremolo arm into the hole as you may cause the arm to snap off in the block or damage the bridge assembly.

Adjusting the Tremolo

When changing the string gauge from those provided from the factory (.009, .011, .016, .024, .032, .042), the tremolo tension springs in relation to the string tension may shift and the bridge angle will need to be readjusted. If you are changing to a heavier gauge set of strings, an additional tension spring may be required.

To adjust the bridge angle on your John Jorgenson Hellecaster:

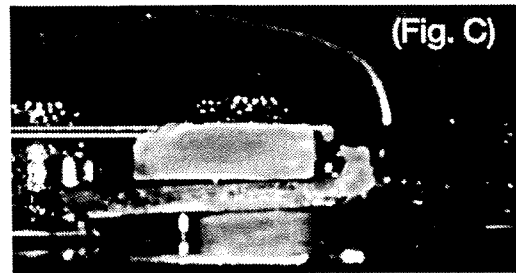
- 1) Remove the tremolo spring cover on the back of your guitar.
- 2) Next, tune your guitar to pitch. *(It is important to note that the tension of the strings plays a key role in the set-up of your tremolo system. Make sure you keep your guitar tuned to your selected pitch throughout the set-up procedures. Check and maintain your tuning after each step.)*



3) Using a Phillips screw driver, turn the two claw screws in the back cavity of the guitar (see fig. B) to the desired angle. A clockwise turn increases the tension springs lowering the tremolo bridge plate to the body. A counterclockwise turn decreases the tension springs raising the tremolo bridge plate away from the body. **IMPORTANT: Adjustments**

to the claw screws must be made together in even increments.

At Fender, we recommend an approximate 1/8" (3.2 mm) of gap between the bottom surface at the rear of the bridge plate, to the top surface of the body (see fig. C). If you prefer to set the bridge flush with the body, turn the two claw screws clockwise until the bridge plate is resting on the body.



TRUSS ROD ADJUSTMENT (NECK CURVATURE)

Each John Jorgenson Hellecaster is carefully adjusted at the factory with the truss rod and string height set for optimum action and playability. Under normal tension, the neck should have a slight concave (under bow) curvature. By creating a counteracting force, the truss rod prevents the neck from bending excessively under the stress placed on it by the strings. The tension on the rod is adjustable so the correct curvature can be achieved by regulating the neck's resistance to string tension.

To check the truss rod setting for a guitar, tune the guitar to playing pitch. Install a capo at the first fret, depress the 6th string at the last fret. Using a feeler gauge, check the gap between the bottom of the 6th string and the top of the 8th fret. The string clearance should be approximately .010" (.25 mm).

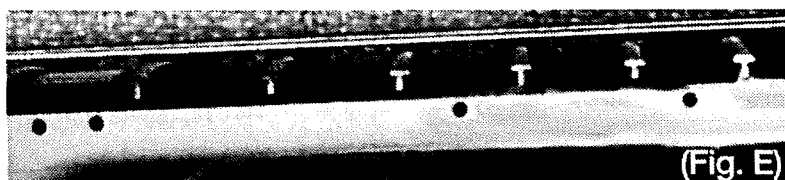


If an adjustment is necessary, insert the appropriate Allen wrench into the truss rod adjustment socket at the head-stock of the guitar (see fig. D). If the neck is too concave (under bowed), turn the Truss Rod Nut clockwise. If the neck is convex (over bowed), turn the Truss Rod Nut counterclockwise. Remember to periodically check the gap with the feeler gauge and check the tuning.

Caution: DO NOT continue adjusting: 1) If extreme resistance is felt while adjusting in either direction, or 2) If the neck has a convex bow that remains when the truss rod nut is loosened. Take the instrument to the nearest Authorized Fender Dealer or Service Center for inspection.

ACTION ADJUSTMENT

The optimum height adjustment varies from player to player due to differences in technique, playing styles, string gauges, etc. To check your string height, use a ruler and make the necessary adjustments (see fig. E). The recommended string clearance at the 17th fret (measured by the distance between the bottom of the string and the top of the fret) is:



Strings 1 - 4: $5/64''$ (2 mm) $\pm 1/64''$ (.4 mm)

Strings 5 - 6: $3/32''$ (2.4 mm) $\pm 1/64''$ (.4 mm)

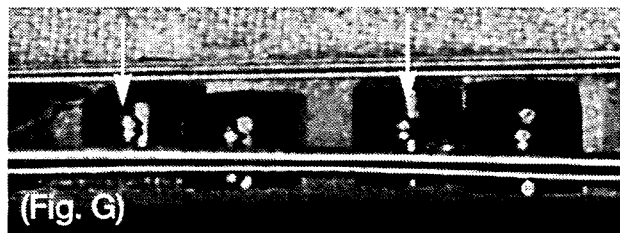
Remember, these dimensions are the factory recommended settings only.

Each saddle can be adjusted by using the two Allen socket screws located on the top of the saddle (see fig. F). A clockwise turn raises while a counterclockwise lowers each saddle. Be sure that both height adjustment screws on each bridge saddle rest firmly against the bridge plate and that each saddle is parallel to the bridge plate after adjustment.



PICKUP HEIGHT ADJUSTMENT

The pickups on your John Jorgenson Hellecaster are fully adjustable for height. Adjustments are made by turning the height adjustment screws located on either side of the pickup. To raise the pickup, turn the adjustment screws clockwise; to lower the pickup, turn the screws counterclockwise.



To check for proper pickup height adjustment, press on all strings at the 22nd fret. Next, check the distance from the bottom of the 1st and 6th strings to the top of the pickup (see fig. G). The measurement should be as follows:

Bass side
 $6/64''$ (1.6 mm)

Treble Side
 $5/64''$ (1.2 mm)

INTONATION ADJUSTMENT

The quality of strings affects intonation as does the gauge of strings. If changing from the factory equipped gauge, insure that all of the previous steps have been followed before adjusting intonation.

For optimum results, these adjustments should be made when the strings are in new condition. With the pickup selector switch set to the neck pickup position and the volume control at the maximum setting, tune the guitar to pitch. Check the intonation of each string with an electronic tuner by playing the open string harmonic at the 12th fret and comparing this note with the note produced by fretting the string at the 12th fret. The pitch should be the same + or - 1 cent (1/100th of a semitone). Small adjustments in the position of the bridge saddle make a noticeable difference in the intonation. Be sure to move the bridge saddles in small increments. Procedures for doing this are as follows:



(Fig. H)

If the fretted note is sharp, turn the intonation adjustment screw at the end of the bridge clockwise to lengthen the string by moving the saddle back (see fig. H). If the fretted note is flat, turn the Phillips screw counterclockwise to

shorten the string by moving the saddle forward. After each adjustment, retune and retest until both notes produce the same pitch.

CARE OF YOUR GUITAR

Your John Jorgenson Hellecaster is precision made to provide years of satisfaction and musical enjoyment. A few simple maintenance procedures will help maintain your instrument and keep it playing like new.

It is important to avoid sudden changes in temperature, since this causes the wood to expand at a different rate than the finish. If the wood expands at a different rate than the finish, this can result in checking (finish cracks). Although checking does not affect the tone, it can affect the guitar's appearance. If your guitar has been brought into a building after it has been out in the cold, let the instrument warm up while still in its case. Next, slowly open the case allowing warm air to gradually enter. After the instrument is removed, leave the case open so it too can warm up thoroughly.

After you have finished playing, thoroughly wipe the entire guitar, including the strings, with a clean, soft cloth. A regular cleaning with Fender Polish is recommended. Avoid exposing the guitar to any chemical or substance that might mar the finish, or to direct sunlight or other sources of excessive heat, humidity or shock.

ONE YEAR LIMITED WARRANTY

This One Year Limited Warranty covering defects in materials and workmanship begins at the date of original purchase from an authorized Fender dealer. This warranty is limited to the original retail purchaser. **IMPORTANT:** Please retain your SALES RECEIPT, as it is your proof of purchase covering your One Year Limited Warranty and must be presented to obtain warranty service.

All transportation, insurance and freight charges associated with warranty service and repairs on Fender guitars are the responsibility of the purchaser, as is any service initiated for the purpose of customizing adjustments beyond standard factory specifications. Standard setup and adjustment of the instrument and its components are considered normal dealer preparation.

The following items and conditions are excluded from warranty coverage:

1. Frets, strings, and batteries.
2. Splits, cracks, or warpage in the body or neck due to exposure to sun, moisture, or conditions of excessive or deficient temperature and/or humidity.
3. Finish or wood defects due to usage wear and normal aging or damage due to accidents, abuse, neglect, or acts of God.
4. Instruments which have been modified in any way or serviced by persons not authorized by Fender, or which have had their serial number defaced, altered, or removed.
5. Finish, wood or component defects resulting from the application of polishes, compounds, or chemicals not supplied with the instrument.
6. Case wear and tear.

Fender assumes no liability for property damage resulting from failure of this product nor for any loss of income, satisfaction, or damages arising from loss of use of same due to defects or availability of same during service. Any warranties implied by law (including warranties of merchantability or fitness) are limited to the duration of this express limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

In the event your guitar requires servicing, please contact the dealer where the original retail purchase was made or your local Fender Authorized Guitar Service Center. If you have any questions, you may contact the Fender Product Service Department for instructions and information as to how such warranty repairs or servicing can be obtained.

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HELLECASTERS



From the depths of Hell came the HELLECASTERS... three screaming guitarists on a mission to spread The Gospel according to Fender. Having three lead guitarists in one band is definitely out of the ordinary, then again Will Ray, John Jorgenson and Jerry Donahue are not striving for the ordinary. The HELLECASTERS eclectic fusion of rock, country, jazz and wacko humor is a musical playground for these three axe slinging champions where nothing is ever considered too outrageous or too absurd. Be sure to check out the Official Hellecasters Web Site at:

<http://www.Hellecasters.com/>

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