"The 'Jazz-A Caster' is like a Stealth Bomber - sleek, fast, fully armed and dangerous. Attack it when you need to roar... Tickle it when you need to whisper. The on-board Hipshot™ String Bending System allows anyone easy access to some of the mysteries of the universe, unveiled only to those bold enough to go where no guitarist has gone before."

Will Ray

WR
The 4-way Selector Switch on the Will Ray Jazz-A-Caster™ makes dialing in your tone as easy as a flip of the switch.

Position 4 (neck pickup) offers a fat pickup sound that would make Charles Christian proud.

Position 3 puts both pickups into a power humbucker mode to really cut through - like driving a ‘64 Shelby Cobra in a race with Yugos.

Position 2 combines both pickups in parallel providing a heavier “Jingly-Jangly” sound that is particularly great for rhythm.

Position 1 unleashes the bridge pickup, ready for battle in any situation. World War III when you solo... **CONDITION RED**.

(Note: Position 1 is closest to the bridge.)
RESTRINGING YOUR WILL RAY JAZZ-A-CASTER

A set of new strings adds 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 Will Ray Jazz-a-caster comes equipped with Schaller Locking tuning keys. To help prevent breaking strings at the tuning keys, thread the strings into their respective eyelets according the the following procedures (see fig. A). Starting with the sixth string (low E) thread the string through the eyelet at the five o’clock position, pull each string through taughtly and tighten the thumb wheel to lock the string. Repeat this aligning and locking the fifth string at four o’clock, the fourth and third string at three o’clock and the second at two o’clock. Finally, align the first string (high E) at the one o’clock position.

HIPSHOT™ STRING BENDING SYSTEM

The unique Hipshot String Bending System’s adjustable hip lever lets your body do the work. With only a slight movement of your guitar, Hipshot accurately bends your second string “B” up a whole step to “C#” without interfering with your hand technique.

Will Ray’s Special Hipshot Tune-up Tip

“To help ensure that your Jazz-A-Caster’s unique Hipshot string bending system provides you with years of musical satisfaction, a few simple maintenance procedures are in order.

Using a teflon gel, lubricate everywhere the second string (or the B string) touches or rubs on the guitar or the guitar’s hardware. This includes the teflon tube inserted in the rear of the bridge plate, the tip of the saddle, the nut slot and under the string tree. In fact, lube all six strings at their nut slots; this will keep them from “hanging up” which will ultimately maintain better tuning stability for all strings.

Adjusting the Hipshot String Bending System

First, strap on your guitar and adjust it to hang comfortably. Next, insert the supplied Hipshot “Z” shaped rod from the bottom of the guitar into the rod receptacle (the part of the Hipshot that sticks out about an inch from the rear of the guitar) and tighten it with the thumb screw. Remember to make sure there is enough room for the rod to clear the back of the guitar when the bender arm is engaged. The rod is designed to accommodate many different body shapes (people bodies that is), so try inserting the rod so it barely touches your right hip when the bender is not engaged. Rotate the rod, if necessary, to position it comfortably. Next, gently rock the guitar against your hip until the bender pulls the “B” string a full whole step. This may take a little practice at first, but be patient.
Once you become comfortable with the feel of the guitar, next adjust the intonation of the bender. At the front of the bender arm is another thumb screw which adjusts the pitch of the bender. Using your best guitar tuner (ones with meters work best for me), tune your guitar to pitch and play the open "B" string engaging the Hipshot. You're looking for a perfect "C#" on your tuner. If the note comes up flat, turn the thumb screw counter-clockwise; if the note is sharp turn it clockwise. Remember, a little bit goes a long way so start with 1/8 to 1/4 turns and fine tune it until your "C#" note is perfectly in tune. When undertaking this procedure, Do Not use excessive force while engaging the bender. Simply rock the guitar in a "normal" way that is comfortable for you.

Also, you may want to apply a drop or two of a thread locking liquid (such as Loctite® #222 - available at most auto parts stores), to the threads of the tuning screw to help prevent the screw from accidentally getting bumped and losing tune once you've set it. You will still be able to adjust the screw, it just may require a little extra effort... Be Careful.

Now you are all set to rock out with your Fender Jazz-a-caster. Try using it on chords you already know, then make up your own licks! If you still need more ideas, you can order my video called "B-Bender Mania" from Camp Hellecaster at PO Box 1150 Burbank, CA 91507 or from the official Hellecaster's web site at http://www.hellecasters.com/. Take care and happy pickin'! -- Will Ray

**TRUSS ROD ADJUSTMENT (NECK CURVATURE)**

Each Will Ray Jazz-A-Caster 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 headstock of the guitar (see fig. B). 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. C). 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) +/- 1/64" (.4 mm)
- Strings 5 - 6: 3/32" (2.4 mm) +/- 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. D). 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 Will Ray Jazz-A-Caster are fully adjustable for height. Adjustments are made by turning the height adjustment screws located on either side of the pickup (see fig. E). 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 pole piece. The measurement should be as follows:

<table>
<thead>
<tr>
<th>Bass side</th>
<th>Treble Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/64&quot; (1.6 mm)</td>
<td>3/64&quot; (1.2 mm)</td>
</tr>
</tbody>
</table>
INTONATION ADJUSTMENT

The quality of strings affects intonation as does the gauge of strings. If changing from the factory equipped gauge (.010, .012, .016, .024, .032, .046), be sure 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. 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:

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. F). 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 WILL RAY JAZZ-A-CASTER

Your Will Ray Jazz-A-Caster 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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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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