

## LIMITED LIFETIME WARRANTY

The manufacturer of this product limitedly warrants to the original retail purchaser that this product shall be free from defects in material and workmanship at the time of delivery. This limited warranty shall be valid for the lifetime of the product and shall not apply to the following components and properties of the product where present: strings, electronic components, amplifying devices, normal fret wear, other normal wear, and any parts not made by the manufacturer, which parts shall be subject to their individual warranties where applicable. Additionally, tone, because it is a subjective matter, is not warranted. The obligation of the manufacturer hereunder is limited to the repair of such product manufactured by it and claimed to be defective (through the use of standard materials and processes in effect at the time of repair) f.o.b. the manufacturer's place of business provided that: (1) **At purchase the buyer completes and returns the attached warranty card with the required information thereon (either in writing or via electronic means) as described on the warranty registration card;** (2) The Buyer (through the authorized dealer/distributor either in writing or by telephone explains to the Manager or Assistant Manager of the manufacturer's Customer Service Department the nature of such defect and obtains return authorization from the manufacturer prior to returning the product or component; (3) At the Buyer's expense, the Buyer returns the product claimed to be defective, through his authorized dealer/distributor, to the manufacturer at the Buyer's expense with shipping expenses prepaid both to and from the manufacturer; (4) The manufacturer shall be satisfied that such defect is not the result of misuse or abuse; and (5) The model number and serial number on both the registration card and the product shall not have been altered; and the manufacturer shall perform its warranty obligation as set forth herein free of charge for labor and materials for the first two (2) years after the original retail purchase. Thereafter, the manufacturer shall be responsible for all materials used in the performance of this warranty and the Buyer shall be responsible for all service and labor charges incurred in such performance at standard manufacturer's rates in effect at that time. This warranty shall not apply to products which shall have been subjected to misuse, negligence, alteration or accident, including exposure to extreme heat, cold, or high or low humidity. The manufacturer shall not be liable for any property damage or for any consequential damages (including loss of use or profits) nor shall the manufacturer's liability on any claim for damages arising out of or connected with the manufacture, sale, delivery or use of any goods delivered under this order exceed the purchase price paid therefor. In the event of unexpected loss by fire, theft, or damage of the Buyer's product while in the manufacturer's possession such loss shall not be a liability of the manufacturer in excess of the replacement with a new product of the same or most similar available style. Excess value (collector's value) insurance must be carried by the Buyer at Buyer's expense. The same is true with shipping insurance since many carriers place limits on their liability. The manufacturer assumes no liability in the event of loss or damage to the owner's product while it is in transit to or from the manufacturer's place of business and the owner shall be responsible for all risk of loss. Any action for breach of this warranty or any other action under this Agreement must be commenced within one (1) year after such cause of action arises; (6) Proof of original retail purchase satisfactory to the manufacturer.

This product is distributed through a network of authorized distributors and dealers who are identified by an "authorized dealer" decal plaque. Your authorized dealer/distributor will act as the agent of the manufacturer and will be responsible for handling all warranty claims under this warranty in accordance with the manufacturer's direction. Purchase of this product from other than an "authorized dealer" may lead to difficulty or delay in obtaining warranty service.

**THIS WARRANTY IS EXCLUSIVE AND IS MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, ALL SUCH WARRANTIES BEING SPECIFICALLY DISCLAIMED AND EXCLUDED. IN NO EVENT WILL THE MANUFACTURER OR DISTRIBUTOR BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR ANY NATURE WHATSOEVER, REGARDLESS OF HOW ARISING.**

**HAMER** U.S.A.  
GUITARS

## HAMER OWNER'S MANUAL / WARRANTY

Place  
Stamp  
Here

**HAMER GUITARS**  
Division of Kaman Music Corporation  
P.O. Box 507  
Bloomfield, CT 06002-0507

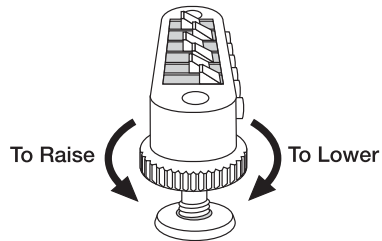
## REGISTRATION CARD

Congratulations, and welcome to the world of Hamer. Your new Hamer USA guitar represents the pinnacle of guitar-building artistry, and is your membership card to an exclusive club that includes many of the world's most innovative and influential players.

Please take a few moments to review this manual to familiarize yourself with your Hamer's controls, operation and maintenance in order to take full advantage of the guitar's potential. Many of the suggestions in this manual can be utilized immediately and will greatly enhance your performance capabilities, however, we find that our customers are the best at pushing the boundaries of what can be done with Hamer guitars, so we welcome your input on this state-of-the-art instrument.

### SET-UP:

Your Hamer USA guitar comes professionally set-up, intonated and ready to play with a .010"-.046" nickel-steel string set. Instruments leave Hamer with an action that is low by some standards, but we feel that it is a more accurate representation of the instrument's potential, as you can always raise the action. The string height at the bridge is adjusted by turning the bridge wheels (thumb wheels) either clockwise to lower the action or counter-clockwise to raise the action.



**A word of caution:** most action-related problems are usually created by seasonal, or weather related neck shift, which is typical for all guitars. This kind of problem can be solved with a simple truss rod adjustment. Check to make sure that this is NOT the case before you try to fix a buzzing problem by adjusting the bridge height.

If you have any questions regarding these procedures or any other functions on your guitar, please contact

Hamer Customer Service at  
1-877-4HAMER1 (1-877-442-6371), in the U.S.A.

Thank you for choosing Hamer USA guitars, we hope you enjoy playing your instrument as much as we enjoyed making it!

#### Kaman Music Corporation Mission Statement

*We are dedicated to maintaining a position of industry leadership by offering a wide range of music products and the highest quality service to our customers.*

Visit **HAMER GUITARS** online at  
[www.hamerguitars.com](http://www.hamerguitars.com)

Address service correspondence to-  
Hamer Guitars  
37 Greenwoods Road, New Hartford, CT 06057

For your records, we suggest you make a note of Model, Serial Number, and the date you purchased your Hamer guitar:

Model # \_\_\_\_\_ Serial# \_\_\_\_\_ Date of Purchase \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Please complete and mail within ten (10) days.

Purchaser's Name: \_\_\_\_\_

Purchaser's Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email Address: \_\_\_\_\_

Dealer: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Date of purchase: \_\_\_\_\_

Model: \_\_\_\_\_ Serial No. \_\_\_\_\_

Color: \_\_\_\_\_ Hardware Color: \_\_\_\_\_

Age of purchaser: \_\_\_\_\_ Sex \_\_\_\_\_

Occupation: \_\_\_\_\_ Yrs. played guitar \_\_\_\_\_

Do you play :  Professionally  As a hobby  Solo  with a group

What most influenced you to choose a Hamer?

A friend  A teacher  A professional

Tone  Ease of playing  Other \_\_\_\_\_

What type of music do you play?

Rock  Jazz  Country  Metal  Rhythm & Blues

Other (Specify) \_\_\_\_\_

What music magazines do you read? \_\_\_\_\_

\_\_\_\_\_

Reasons for buying a Hamer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Hamer Guitars  
Division of Kaman Music Corporation  
37 Greenwoods Road  
New Hartford, CT 06057  
A **Kaman** Company

This warranty registration may be made either via regular mail or by electronic means at:  
[www.KamanMusic.com](http://www.KamanMusic.com)

## **ELECTRONICS:**

At Hamer, we concentrate on function and tone, exhaustively ear testing each model as though it were our own personal instrument. The character that is built into every Hamer must find its way to the amp, and this is where the electronics come into play. The timbre of the instrument is its signature, and pickups must be matched in such a way that the essence, the personality of the guitar shines through. We feel that this can be achieved by using different pickups in each of the positions to tailor the sound. This way each setting is extracting the maximum tonality from the instrument, and it adds a unique voice when different pickups are mixed together. Your Hamer USA guitar comes equipped with Seymour Duncan pickups.

Hamer uses potentiometers with a custom taper that matches the response curve of the pickups. Careful matching allows the volume to be controlled smoothly throughout the first 9/10ths of the knob's rotation, with a quick boost at the very end. That small boost that occurs between 9 and 10 is great for quick transitions between lead and rhythm, and once you master it you'll wonder why no one else thought of it before.

Every Hamer USA guitar's control cavity is sprayed with a heavy coat of premium nickel-based paint; then covered with a conductive aluminum plate to ensure that your guitar will be free from unwanted noise.

## **CLEANING AND POLISHING:**

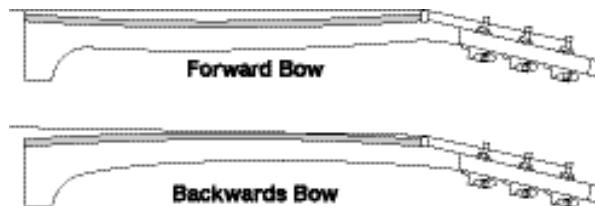
Hamer USA guitars are built to last a life time of hard use, and with a little care your Hamer should serve you indefinitely. The entire instrument can be wiped clean with a high quality guitar polish such as Dunlop Formula 65 on a soft cotton cloth. Be sure to avoid solvents or abrasive substances, as these can quickly ruin the finish on your guitar. The fretboard should be oiled occasionally with light mineral oil, being sure to wipe up any excess. It is important not to over-oil the fingerboard, as this can lead to excess wood swelling, which can upset the straightness of the neck and possibly unseat the frets. When oiled lightly on a regular basis, the fingerboard will resist moisture and maintain its new appearance.

**If you are not comfortable performing any of the adjustments described here, take your guitar to a qualified technician.**

## **ADJUSTING THE NECK:**

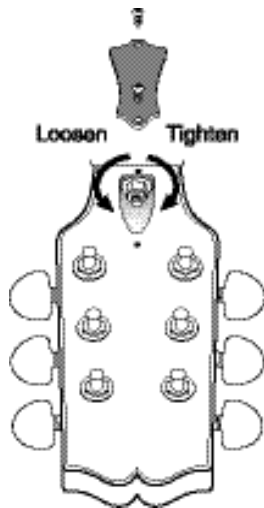
Hamer necks are reinforced with a low-mass steel truss rod that is adjustable from the access hole under the plastic cover on the face of the peghead. The truss rod is under tension at all times, which allows it to stiffen the neck, as well as move it forward and backward in response to the changing seasonal humidity. As the humidity in the air increases (as in the Spring and Summer), the fingerboard will swell slightly, creating a slight backwards bow. This will result in fret buzz that increases in intensity closer to the nut. Conversely, when the humidity is low (as in Winter), the fingerboard loses moisture, causing the neck to "bow" forward. This results in a high action towards the middle of the neck. If buzzing occurs with this condition, it is usually on the end towards the bridge.

When adjusted correctly, there should be a slight forward bow in the neck. The proper amount of bow can be determined by holding the low E string down at the first and last frets at the same time, and viewing the gap between that string and the top of the 7th fret. There should be a gap of about .010" (.25mm), or about the thickness of your high E string. If the gap is less than that, you need to loosen the truss rod to move the neck forward. If the gap is more than .010" (.25mm), you may want to tighten the truss rod.



## ADJUSTMENT PROCEDURE:

Tighten (clockwise when facing the end of the rod) or loosen (counterclockwise) the nut at the end of the rod with the 5/16" tool provided in the case pocket. You should turn the nut about 1/8th of a turn at a time, and then check the gap. When you make an adjustment, the neck moves about 90% of the way immediately, then the remaining 10% over the next 5-10 minutes. This is due to the compression characteristics of wood. Take this into account when you set the neck, and don't put the truss rod cover back on. Immediately play the guitar for a little while to make sure it's exactly the way you want it before replacing the cover. It is VERY IMPORTANT to remember (or write down) how far you have turned the nut in any direction so that you can go back to where you started if you get a poorer result than when you began! This way you can go back to the beginning and start over.



## INTONATION:

If you decide to change brand or gauges of strings on your Hamer, you may need to adjust the intonation. Adjust the intonation by moving the individual string saddles either forward or backward. Your guitar should be checked only after tuning it to a standard A=440Hz pitch using an electronic tuner and fresh strings. Play the harmonic at the 12<sup>th</sup> fret and compare it to the fretted note at the 12<sup>th</sup> fret. These notes should read the same on the tuner. Determining the direction that the saddle needs to move is important before adjusting the intonation. If the 12<sup>th</sup> fret harmonic pitch is lower than the fretted note, the saddle needs to be moved back. If the 12<sup>th</sup> fret harmonic is higher than the fretted note, the saddle needs to be moved forward.

