

**PEAVEY®**

# IMPACT® 1 & 2 OPERATING GUIDE

WARNING: TO PREVENT ELECTRICAL SHOCK OR FIRE HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. BEFORE USING THE APPLIANCE, READ BACK COVER FOR FURTHER WARNINGS.

## IMPACT® 1 FEATURES:

Solid Mahogany Body with Forearm and Ribcage Contours  
Bilaminated Mahogany Neck  
Heel-less, Set-in Neck/Body Construction  
Rosewood Fingerboard with 15" Radius and Creme Binding  
25" Scale Length/24 Medium Jumbo Frets  
Graphlon™ Topnut  
Precision, Enclosed Tuning Machines  
Adjustable, Fixed Bridge and Tailpiece Assembly  
Two High-Output, Alnico Magnet Loaded, Humbucking Pickups  
Master Volume, High/Low Pass Tone Controls  
5-Way Pickup Selector Switch

## IMPACT® 2 FEATURES

Solid Mahogany Body with Forearm and Ribcage Contours  
Bilaminated Mahogany Neck  
Heel-less, Set-in Neck/Body Construction  
Rosewood Fingerboard with 15" Radius and Creme Binding  
25" Scale Length/24 Medium Jumbo Frets  
Graphlon™ Topnut  
Locking Tuning Machines  
Powerbend III Fulcrum Tremolo System with Snap-in Arm  
and Graph Tech® String Saver™ Bridge Saddles  
Two High-Output, Alnico Magnet Loaded, Humbucking Pickups  
Master Volume, High/Low Pass Tone Controls  
5-Way Pickup Selector Switch

Graph Tech® and String Saver™ are registered trademarks of Graph Tech Guitar Labs



# IMPACT® 1 & 2

## CONSTRUCTION

The neck and body of the Impact® 1 & 2 guitars are crafted from solid mahogany and are joined together in the "set-in" fashion for maximum sustain and stability. It also features a heel-less neck/body joint for effortless access to the highest frets. The body has been sculpted to provide special forearm and ribcage contours which allow weight reduction, proper balance, and maximum playing ease.

The neck is of a unique bilaminated construction (U.S. Patent 4,237,944) to provide unmatched rigidity and freedom from warpage. Additional reinforcement is provided with an adjustable steel torsion rod. This neck adjusting rod features rolled threads for improved strength and freedom from breakage. (See Adjustment — Torsion Rod for instructions.)

## CONTROLS

1. **Volume Control.** This controls the total signal level delivered from both pickups. Rotation clockwise will increase volume, rotation counterclockwise will reduce volume. It is also compensated to provide for a minimal

3. **Pickup Selector Switch.** This five position switch allows selection of pickups in various modes of operation. Due to the Impact's unique circuitry, a balanced output level is maintained in all selections. Selection possibilities are as follows:

- Position:
1. (toward neck) neck pickup (single-coil, hum-reducing)
  2. (one click back) both pickups (single-coil, hum-cancelling)
  3. (center) neck pickup (dual-coil, humbucking)
  4. (one click back) both pickups (dual-coil, humbucking)
  5. (toward bridge) bridge pickup (dual-coil, humbucking)

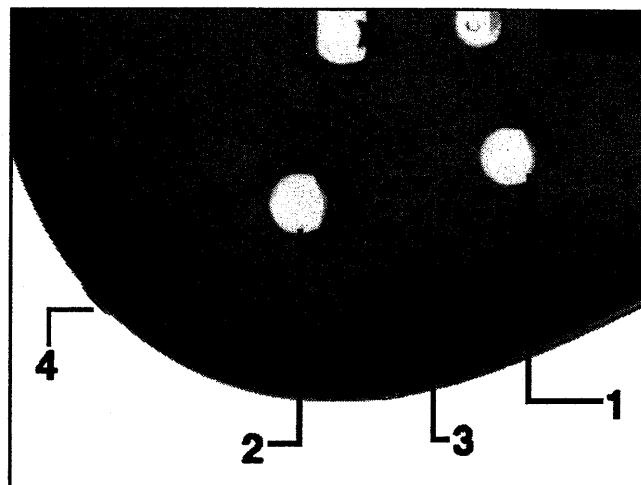
4. **Output Jack.** The output jack accepts standard guitar patch cords. (We recommend high quality "shielded" patch cords.)

## ADJUSTMENTS

Your instrument has been carefully adjusted for accurate intonation and playing ease at the Peavey factory. However, your playing style or playing requirements may necessitate

loss of higher frequencies at reduced volume levels.

2. **Tone Control.** This "high/low pass" type tone control is capable of controlling both higher and lower frequencies. It offers maximum output and tonality in the center-detent position. Rotation clockwise from center reduces low frequencies, rotation counterclockwise reduces higher frequencies.



additional adjustments at some time in the future. These adjustments should be made by your Peavey dealer, though, with a little care and by adhering closely to the following instructions, you may attempt these adjustments yourself.

### CAUTION

**PLEASE READ AND UNDERSTAND THE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING ANY ADJUSTMENTS!**

### Pickups

The two high-output, humbucking pickups are frequency tuned for maximum tonal response, as well as being fully shielded and wax-dipped for ultra low noise operation and resistance to microphonic feedback. The pickups are height adjustable by means of the height adjustment screws and offer individually adjustable pole piece screws for adjustment of each string's output level.

### NOTE

**CARE MUST BE TAKEN TO MAINTAIN ADEQUATE CLEARANCE BETWEEN THE PICKUPS AND STRINGS. INADEQUATE CLEARANCE WILL RESULT IN LOSS OF SUSTAIN AND POSSIBLE**

**STRING BUZZING WHEN PLAYING ON THE UPPER FRETS. MINIMUM RECOMMENDED CLEARANCE IS:  $\frac{1}{8}$ " (neck pickup) and  $\frac{3}{32}$ " (bridge pickup)**

**NOTE:**

**WHEN ADJUSTING PICKUP HEIGHTS, CARE SHOULD BE TAKEN TO ENSURE THAT THE TOP SURFACE OF THE PICKUP IS PARALLEL TO THE STRING PLANE. IMPROPER ADJUSTMENT CAN CAUSE REDUCED PICKUP OUTPUT AND REDUCED HUM CANCELLATION.**

**Adjusting Torsion Rod**

All guitar necks must have a slight amount of bow to keep the strings from buzzing on the frets. To set the "straightness" of the neck, a Peavey torsion rod wrench No. 75031006 must be used (available from a Peavey Accessory Center).

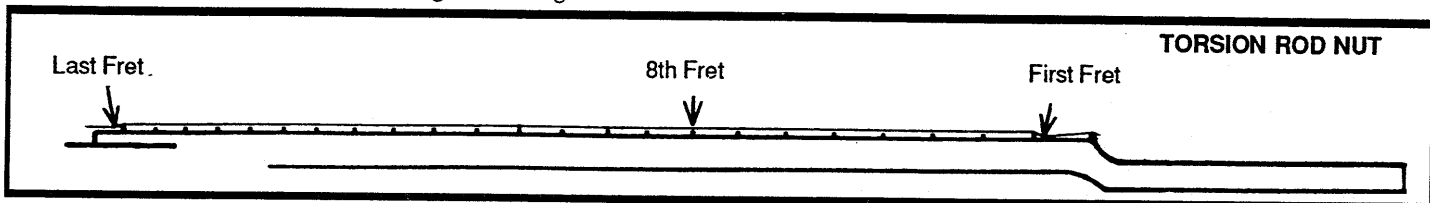
1. Tune the instrument to standard (A-440) pitch.
2. Fret the sixth string (E) at the first and last frets.
3. Check for clearance between the string and the eighth fret.

4. Clearance should be no less than .012" and no more than .025".
5. To increase clearance, loosen (counterclockwise) the torsion rod nut. Less clearance (straightening of the neck) is accomplished by tightening the nut.

**CAUTION**

**IT IS NOT USUALLY NECESSARY TO ROTATE THE TORSION ROD NUT MORE THAN ONE FULL TURN IN EITHER DIRECTION. ONE-QUARTER TO ONE-HALF TURN IS NORMALLY SUFFICIENT TO MAKE MOST ADJUSTMENTS. EXCESSIVE ROTATION MAY CAUSE DAMAGE TO NECK AND TORSION ROD. IF EXCESSIVE FORCE IS NECESSARY TO ROTATE TORSION ROD NUT, YOU SHOULD CONSULT YOUR PEAVEY DEALER OR THE FACTORY BEFORE ANY FURTHER ADJUSTMENT IS MADE.**

6. Repeat steps 1 through 5 until proper clearance has been achieved.



**Bridge Height Adjustment (Impact 1 only)**

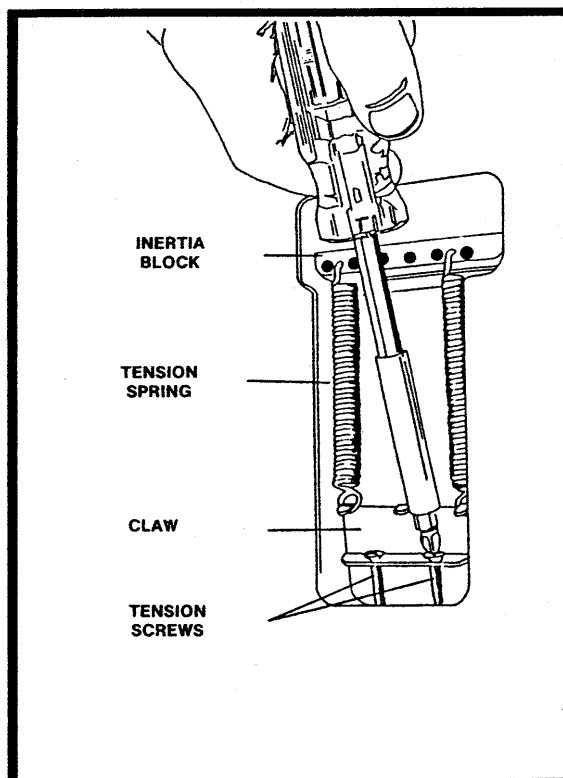
Bridge height may be adjusted by means of the bridge thumbwheel bolts. Turn the thumbwheel bolts clockwise to reduce bridge height. Turn the thumbwheel bolts counterclockwise to increase bridge height.

**Tremolo Bridge Adjustment (Impact 2 only)**

Your Power Bend III Tremolo has been carefully adjusted for accurate intonation, playing ease, and pitch change. Your instrument has been supplied from the factory with high quality Peavey Nickel Wound Balanced 9's and set up accordingly. Should the unit require adjustments, please **read the following carefully before attempting any adjustments.**

To adjust your Power Bend III Tremolo unit properly, you must first understand the operating principle.

This tremolo features a steel bridge plate with a massive inertia block for maximum sustain. The Graph Tech® String Saver™ saddles are specially shaped and designed to minimize friction, and offer maximum durability and freedom from wear. Adjustable springs allow easy operation with accurate return to pitch. The special design of



our Power Bend III system allows strings to be pulled above or below pitch, and the action of this tremolo is both smooth and responsive.

Proper tremolo action is a result of accurate balancing between string tension and tremolo spring tension.

Should a larger or smaller gauge set of strings be desired, the tremolo spring tension in the back of the guitar must be adjusted accordingly, as well as intonation.

### **Saddle Height Adjustment**

This instrument features individual bridge saddles which determine the overall string height. Individual string saddles can be adjusted to follow the curvature of the neck to optimize string/fret distance. Use supplied  $\frac{3}{64}$ " hex wrench to make the adjustment for each string.

### **Bridge Balance Adjustment**

The balance of the tremolo bridge is set by adjusting the tension screws holding the spring claw in place. To gain access to the spring claw screws, remove the spring cover on the back of the guitar.

Turn the tension screws clockwise to decrease the bridge angle. Turn the tension screws counterclockwise to increase the bridge angle.

### **String Intonation:**

Accurate string intonation settings ensure that your instrument will play in tune at any point on the neck. Although "perfect intonation" is a physical impossibility with a fretted instrument, the correct settings with the bridge and saddle adjustment of the instrument will maximize the accuracy of individual notes up and down the neck.

Intonation is set by comparing the pitch of an open string to the pitch of the same string when it is played one octave higher at the twelfth fret. The actual "vibrating length" of that string is varied until the notes are both at the right pitch. The "vibrating length" of the string is altered by adjusting the individual bridge saddles either forward or backward, depending on whether the fretted note is sharper or flatter in pitch than the open note.

#### **NOTE**

**IT IS OFTEN DIFFICULT FOR THE UNTRAINED E TO DETERMINE WHEN THE OPEN NOTE AND T FRETTED NOTE ARE AT PRECISELY THE SA PITCH. SOME PLAYERS FIND THAT COMPARI THE TWELFTH FRET HARMONIC OF THE STRI (RATHER THAN THE OPEN NOTE) TO THE FR**

#### **CAUTION**

**LOOSEN ALL STRING TENSION BEFORE INSTALLING OR REMOVING TENSION SPRINGS. TREMOLO SPRINGS ARE DESIGNED FOR HIGH TENSION. EXTREME CARE SHOULD BE TAKEN WHE INSTALLING THESE SPRINGS AS WELL AS WHEN REMOVING THEM. IF SPRINGS ARE NOT SECURED PROPERLY, THEY MAY SPRING AWAY FROM THE GUITAR, CAUSING POSSIBLE INJURY AND/OR INSTRUMENT DAMAGE.**

#### **NOTE**

**BEFORE AND AFTER MAKING ADJUSTMENTS, THE UNIT SHOULD BE TUNED TO PROPER PITCH A-440.**

#### **NOTE**

**ALL GUITAR ADJUSTMENTS INTERACT CLOSELY WITH STRING INTONATION. THESE ADJUSTMENTS MUST BE COMPLETED BEFORE ANY ATTEMPT IS MADE TO SET STRING INTONATION AT THE BRIDGE. IF YOU ARE UNFAMILIAR WITH THIS TYPE OF ADJUSTMENT, WE STRONGLY RECOMMEND THAT THIS SETTING BE PERFORMED BY QUALIFIED PERSONNEL AT YOUR AUTHORIZED PEAVEY DEALER.**

**TED NOTE IS MUCH EASIER. A HARMONIC IS PLAYED BY PLUCKING THE STRING WITH THE RIGHT HAND WHILE TOUCHING THE STRING WITH THE LEFT INDEX FINGER (AS LIGHTLY AS POSSIBLE) DIRECTLY ABOVE THE TWELFTH FRET. THE LEFT INDEX FINGER IS DRAWN AWAY AS QUICKLY AS POSSIBLE AFTER THE STRING IS PLUCKED, PRODUCING A "CHIME" EFFECT. THIS CHIMED NOTE IS THEN COMPARED TO THE FRETTED NOTE. FOR EVEN GREATER EASE AND A HIGHER DEGREE OF ACCURACY, WE RECOMMEND ONE OF THE MANY TYPES OF ELECTRONIC GUITAR TUNERS THAT ARE AVAILABLE FROM MOST MUSIC STORES.**

1. Ensure that torsion rod and string height settings are accurate.
2. Tune guitar to standard (A-440) pitch.
3. Hold the instrument in a normal playing position or place the guitar on a clean flat surface so that only the body is in contact with the work surface. Any pressure on the neck will affect intonation settings.
4. Play the 1st string open and compare it to the pitch of the same string when it is played at the 12th fret. These notes should be the same (one octave apart).

- Using the supplied  $\frac{3}{32}$ " wrench, adjust the string saddle length so that both the fretted and open notes are the same. If the fretted note is sharper than the open note, the vibrating length of the string must be increased. Move the bridge saddle to the rear, away from the pickups. If the fretted note is flat, the vibrating length must be shortened. Move the bridge saddle forward toward the pickups to shorten the length.

#### NOTE

**IT WILL OFTEN BE NECESSARY TO RETURN THE OPEN STRING TO STANDARD PITCH AFTER THE BRIDGE POSITION IS ALTERED.**

- Repeat steps 4 and 5 for the remaining strings.
- Repeat steps 1 through 6 as necessary until intonation of all the strings is accurately adjusted.

#### Care for the Instrument

This is a high quality musical instrument constructed from the finest materials and with the most up-to-date production methods available. With reasonable care, it should provide many years of service and outstanding playability.

#### Temperature and Humidity

It is important that your instrument be protected from any extremes or sudden changes in either temperature or humidity. The instrument should be stored in its case whenever it is not in use.

#### Strings

String life may be greatly extended by frequent cleaning with Peavey Guitar String Cleaner. Dirt and perspiration tend to build up on the underside of the strings, so it is often necessary to slide a rag between the strings and the fingerboard. Dirt-laden strings cause tuning and intonation problems as well as rust and corrosion. For best performance, strings should be changed approximately once a month, or every twenty-four hours of playing. Some players may find that they prefer to change strings more often.

#### Finish

Your instrument has a polyester/urethane finish which is both durable and weather resistant, but nevertheless needs care. Regular cleaning with Peavey Guitar Polish is recommended. Between waxings, the instrument should be wiped with a dry soft cloth.

#### PEAVEY GUITAR ONE-YEAR LIMITED WARRANTY/REMEDY

PEAVEY ELECTRONICS CORPORATION ("Peavey") warrants this Guitar to be free from defects in material and workmanship for a period of one year from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth.

##### CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTY

This limited warranty shall be VOID and of NO EFFECT if:

- The first purchase of the product is for the purpose of resale; or
- The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship.

This Limited Warranty shall not extend to or cover guitar strings. Replacement of guitar strings is deemed to be reasonable and necessary maintenance.

Purchaser's exclusive remedy for breach of this limited warranty is repair of the defect or replacement of the guitar, at the option of Peavey. Service work may be performed by any Peavey Authorized Service Center or, if the service center is unable to provide the necessary warranty service, you will be directed to the nearest other Peavey Authorized Service Center which can provide such service. Or... you may return the guitar, postage prepaid and insured, along with a description of the problem, proof of purchase, and a complete return address to:

PEAVEY ELECTRONICS CORPORATION  
International Service Center  
Hwy. 80 East  
Meridian, MS 39301

If the defect is remedial under this limited warranty, and the other terms and conditions expressed herein have been complied with, Peavey will repair or replace the product and will return it, freight collect, to the purchaser. Other than the postage and insurance requirement, no charge will be made for such repair or replacement.

The liability of Peavey to the purchaser for any cost whatsoever, and regardless of the form of action, whether in contract or in tort, including negligence, shall be limited to actual damages up to an amount equal to the greater of the purchase price of the product causing the damage or \$500.00. UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF OR INABILITY TO USE THE GUITAR, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

The foregoing limitation of remedy will not apply to the payment of cost and damage awards for personal injury or damage to real property or tangible personal property caused by negligence on the part of Peavey.

THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER

TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED LIMITED WARRANTY, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE ONE-YEAR PERIOD FROM DATE OF PURCHASE OF THIS GUITAR.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THIS LIMITED WARRANTY IS THE ONLY EXPRESSED WARRANTY ON THIS GUITAR, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY OR AGREEMENT BY ANY PERSON SHALL BE VALID AS TO OR BINDING UPON PEAVEY.

THE WARRANTY REGISTRATION CARD AND A LEGIBLE COPY OF THE PROOF OF PURCHASES SUPPLIED TO YOU BY THE AUTHORIZED PEAVEY DEALER IN CONNECTION WITH YOUR PURCHASE FROM HIM OF THIS GUITAR SHOULD BE ACCURATELY COMPLETED, MAILED TO, AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

Should notification become necessary for any condition that would require correction, the registration card will help ensure that you are contacted and properly notified.

If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.

The WARRANTY REGISTRATION CARD and subsequent notices of

change of address should be mailed to:

PEAVEY ELECTRONICS CORPORATION  
P.O. Box 2898  
Meridian, MS 39302-2898

In the event any modification or disclaimer of expressed or implied warranties or any limitation of remedies contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

The limited warranty is given by Peavey Electronics Corporation with respect to equipment purchased in the United States of America.

#### **DANGER**

**ALL AMPLIFICATION ACCESSORIES, MICROPHONES, MIXERS, ETC., MUST BE PROPERLY GROUNDED AND SHOULD BE UTILIZED WITH A 3-WIRE MAINS SYSTEM IN ORDER TO AVOID ELECTRICAL SHOCK.**

#### **DANGER**

**DO NOT COME INTO CONTACT WITH OTHER ELECTRICAL APPARATUS WHEN PLAYING (OR TOUCHING) YOUR INSTRUMENT. THE METAL PARTS OF THIS INSTRUMENT ARE GROUNDED ACCORDING TO PROPER AND ACCEPTED INDUSTRY PRACTICE, BUT IT IS POSSIBLE TO ENCOUNTER AN ELECTRICAL SHOCK WHEN COMING INTO CONTACT WITH ANOTHER ELECTRICAL APPARATUS IF IT HAS IMPROPER GROUNDING FACILITIES.**

#### **WARNING**

**DO NOT USE IMPROPER OR POORLY DESIGNED GUITAR STRAPS OR OTHER MEANS OF SUPPORT. POSSIBLE INJURY COULD RESULT IF IMPROPER, INFERIOR, ILL FITTING, OR WORN OUT STRAPS ARE USED. THE INSTRUMENT COULD POSSIBLY FALL, CAUSING BODILY INJURY OR DAMAGE TO THE INSTRUMENT OR ASSOCIATED EQUIPMENT IF THE HOLDING DEVICES FAIL FOR ANY REASON.**

#### **DANGER**

**GUITAR STRINGS ARE MADE FROM VERY STRONG STEEL ALLOYS. THEY ARE DESIGNED TO BE USED UNDER TENSION AND, UNDER CERTAIN CONDITIONS, THEY MAY BREAK AND SPRING AWAY FROM THE GUITAR. DO NOT TUNE OR PLAY THIS INSTRUMENT WITH YOUR FACE IN CLOSE PROXIMITY TO THE STRINGS, AS SERIOUS INJURY COULD RESULT IF A STRING SHOULD BREAK.**

#### **WARNING**

**BASS GUITAR STRINGS ARE UNDER CONSIDERABLE TENSION WHEN THEY ARE TUNED TO CONCERT (A-440) PITCH. EXERCISE EXTREME**

**CARE WHEN TUNING (ESPECIALLY ABOVE CONCERT PITCH) OR WHEN EMPLOYING STRING BENDING OR "POPPING" PLAYING TECHNIQUES. THE POSSIBILITY OF STRING BREAKAGE AND PERSONAL INJURY EXISTS UNDER THESE CONDITIONS.**

#### **NOTE**

**THE PATCH CORD BETWEEN THE GUITAR AND THE AMPLIFIER IS AN EXTREMELY IMPORTANT LINK FOR OPTIMUM PERFORMANCE. A HIGH QUALITY, WELL SHIELDED CORD SHOULD BE USED IN THIS APPLICATION.**

# **PEAVEY®**

Features and specifications subject to change without notice.