

*Fender*<sup>®</sup>

THE SOUND THAT CREATES LEGENDS

## Fender Twin Reverb II

The Twin Reverb II is new, all-tube musical instrument amplifier that features two independent channels with channel switching. Available in our most popular speaker configurations, 2-12" or separate top. These 105 watt RMS amplifiers deliver superlative sound quality, ease of operation, versatility and ruggedness that will satisfy your every requirement.

The preamp section features two independent channels with two instrument inputs that operate in either channel. Channel selection is accomplished by the Pull-for-Channel-Select switch in the Channel Two Volume control. An optional LED illuminated Foot Pedal (P/N 017007) is available that can also control the channel selection. The Foot Pedal connects to the Pedal Plain and Pedal Red jacks on the rear panel and handles the Reverb function as well.

Channel One has a relatively clean sound with Volume, Treble, Mid and Bass controls. The Pull-for-Bright switch,

located in the Volume control, acts as an additional treble boost.

Channel Two is potentially a high gain channel that features a Volume control with Pull-for-Channel-Select, Gain, Master Volume (affects Channel Two only), Treble, Mid with Pull-for-Boost and Bass. The Volume and Gain controls work in conjunction with each other to set the threshold of preamp distortion.

The Effects Loop is a valuable feature of the Twin Reverb II. Located on the rear panel, it has individual Send Level and Return Level controls to match the levels of the loop to the effects being used for optimum signal to noise ratio.

The Reverb section is an all-tube circuit utilizing a professional Accutronics spring reverb pan for the delay. The reverb drive stage is coupled by a transformer and acts as a perfect power source for the reverb pan. The Reverb control affects the amount of reverb blend for either channel.

Additional versatility is provided by the effective use of the Presence control. This can be used by the player to increase the overall brightness of the amplifier.

The Power Output stage delivers its power to an 8 or 4 ohm load and is equipped with an external speaker jack to allow connection of additional speakers.

The chassis is of all steel and welded end construction with a cadmium plating to ensure longevity and durability. The cabinet is all wood with 3/4" material used for the sides and bottom and top and with box joint construction. The baffle board is of multi ply plywood and is dadoed into the sides and bottom of the cabinet forming a very integral unit. The rear panels are 1/2" plywood, the corners are made of steel with nickel plating. The chassis straps and handle caps are of heat treated steel with nickel plating. The handle features 4 bolts for secure mounting and less chance of handle cap rotation.

## INTRODUCTION

The selection of a FENDER amplifier will reward you with years of quality music in a wide range of controlled sounds. This manual will explain its many features and applications available to you. Read it carefully to gain the maximum benefit from all its features with initial use.

The built-in quality of a FENDER amplifier is the result of over three decades of dedication in the combined skills of research and development by our engineers and musicians.

That is why we say, proudly...

FENDER, the sound that creates legends.

## FEATURES

- 2 independent channels with channel switching
- High gain Lead channel
- Full E.Q. on each channel
- Effects Loop with Send and Return Level controls for proper level matching
- Professional studio quality Reverb in both channels
- 105 watt RMS at 8 or 4 ohms at 5% THD
- 2-12" speakers or top only
- Optional Foot Pedal operation of Reverb and Channel Select
- All-tube circuitry
- Front panel power and Standby switch
- All-steel chassis with welded ends
- Exclusive Fender all wood heavy duty cabinet
- Heavy duty hardware and handle
- Extra durable vinyl covering

## IMPORTANT

To reduce the possibility of current leakage, this amplifier is provided with a grounding type power supply cord. Be sure to connect to a grounded receptacle.

Operation from an ungrounded (2 pronged) receptacle requires a 3-to-2 contact grounding type adapter. The adapter's grounding lead must be connected to a good earth ground.

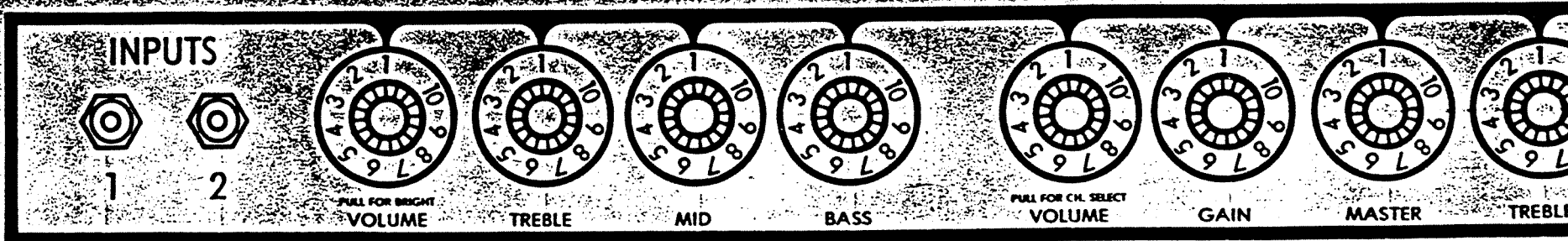
Reversing the power cord plug in a two conductor receptacle may reduce power line hum and noise levels.

Fender's special-design electronic tubes provide optimum performance in this amplifier. For best results, replace with fender original equipment tubes only.

The amplifier's tube complement consists of four Fender Special Design 6L6GC (P/N 023556), five Fender Special Design 7025 (P/N 013341) and two Fender Special Design 12AT7 (P/N 023531).

**WARNING: TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

# Fender Twin Reverb II



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## INPUTS

Connections for instruments.

## VOLUME

Volume setting from zero to full loudness. Pull-for-Bright adds "brilliance" to the upper frequencies.

## TREBLE

Provides high frequency equalization.

## MID

Provides mid frequency equalization.

## BASS

Regulates the desired amount of bass response.

## VOLUME

Volume setting from zero to full loudness with Pull-for-Channel-Select (IN for Channel 1—OUT for Channel 2).

## GAIN

Operates in conjunction with the volume control and affects the sensitivity and the preamp distortion threshold. Each setting allows a different lead type overdriven sound.

## MASTER

Level control for overall output of Channel 2. For maximum "clean" sound set Master at 10 and Gain at 1. Adjust Channel 1 Volume to desired level.



**FOR BOOST MID**  
Provides high frequency equalization.

**MID**  
Provides midrange equalization with Pull-for-Boost.

**BASS**  
Regulates the desired amount of bass response.

**REVERB**  
Adjusts the amount of reverberation in both channels.

**PRESENCE**  
Adds overall brilliance to the amplifier. Affects both channels.

**ON**  
**AC**

**STANDBY** **OFF**

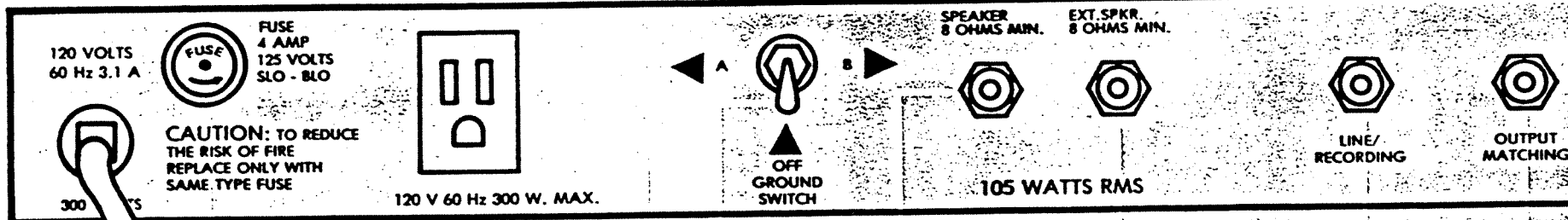
**FENDER MUSICAL INSTRUMENTS**

**STANDBY**  
Allows tube filaments to remain heated during standby periods. Amplification is instantly available without warm-up time. No danger of unwanted sound when in quiet periods.

**ON/OFF**  
Turns amplifier on and off.

# Fender Twin Reverb II

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**LINE CORD**  
For connection to AC outlet. In the event of hum, do not reverse AC plug, use the Ground Switch. (See wiring page 9).

**FUSE**  
CAUTION: To reduce the risk of fire, replace only with the same type slo-blo fuse (See wiring page 9).

**OUTLET**  
This socket is provided for any AC accessory. Load limit 300 watts maximum.

**GROUND SWITCH**  
Gives player control of ground polarity. Position "A" and "B" ground to each side of the line respectively. OFF position disconnects all but the third line chassis ground. Try each position to find minimum hum.

**SPEAKER JACK**  
Connect speaker(s) to the amplifier.

**EXTENSION SPEAKER JACK**  
Provides a connection to an extension speaker enclosure. Observe minimum speaker impedance 8 ohms.

**LINE/RECORDING**  
Permits direct connection to recorders, P.A. systems or amplifiers.


**OUTPUT MATCHING**  
This is set factory for optimum performance. When rep output tu adjust Ou Matching minimum



**EFFECTS LOOP**  
 Shows optimum connection of external signal processors such as phaser, chorus, equalizer, digital delay and other effects devices. When there are no effects plugged the Effects Loop is bypassed. An additional amount of gain can be obtained by connecting the Send and Return jacks with a straight cord. Adjust the controls for whatever additional gain is desired.


FENDER MUSICAL INSTRUMENTS, A DIVISION OF CBS INC. FULLERTON, CALIFORNIA.

TURN LEVEL




EFFECTS LOOP

RETURN




FROM OUTPUT

SEND




TO INPUT


SEND LEVEL




REVERB OUTPUT




REVERB INPUT




PEDAL PLAIN



PEDAL RED



HUM BALANCE



SERIAL NUMBER

MADE IN USA

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE CHASSIS OR METAL COVERS ATTACHED TO CHASSIS. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

**RETURN JACK**  
 Connects the amplifier to the output of the external device.

**SEND JACK**  
 Connects the amplifier to the input of the external device.

**REVERB JACKS**  
 For connection to the Reverb unit (Factory installed).

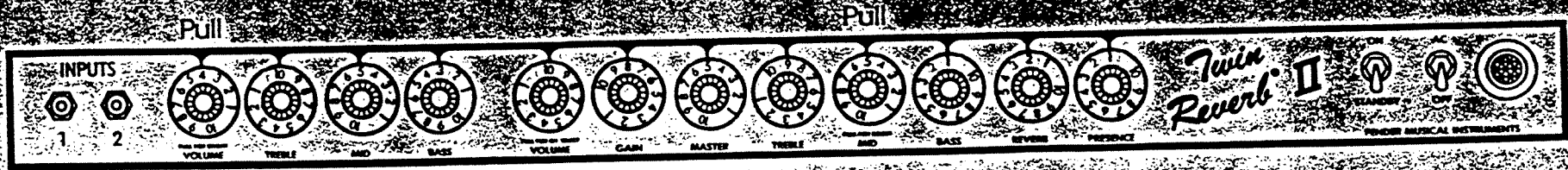
**PEDAL JACKS**  
 For connection to optional foot pedal.

**HUM BALANCE**  
 After the Ground Switch has been positioned to minimum hum, the hum balance may be used to further reduce hum. This control should not need adjustment unless tubes or other components are changed.

**TURN LEVEL**  
 Adjusts the volume of the signal from the device.

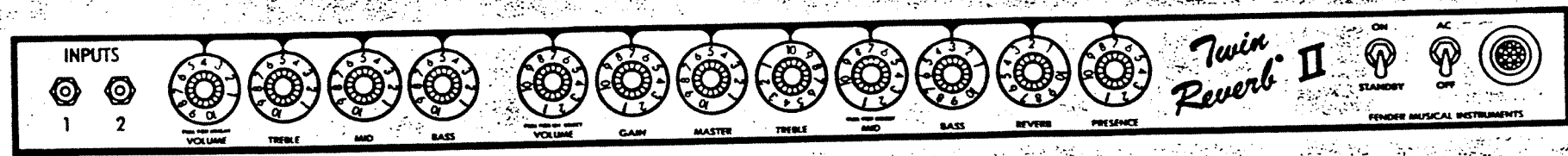
**SEND LEVEL**  
 Adjusts the amount of signal sent to the external device.

# SUGGESTED SETTINGS

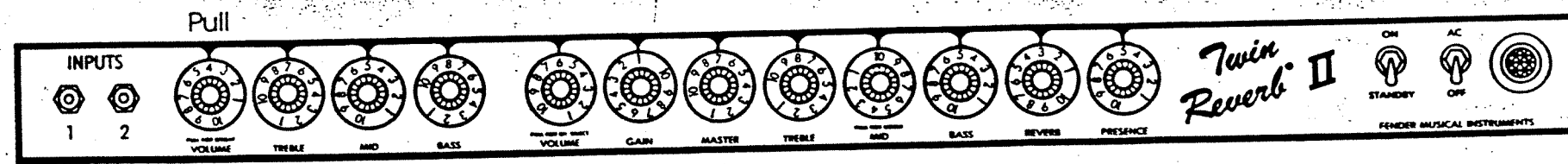


Clean Bright Rhythm      Hot, Fat Lead

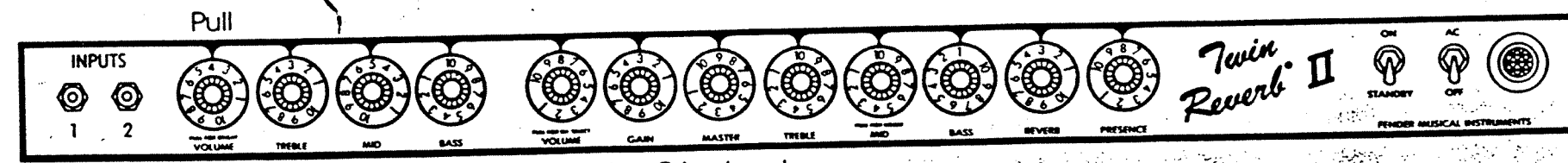
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Warm Jazz Rhythm      Bright, Crisp Lead



Mellow Bright Rhythm      Fat, Clean Lead

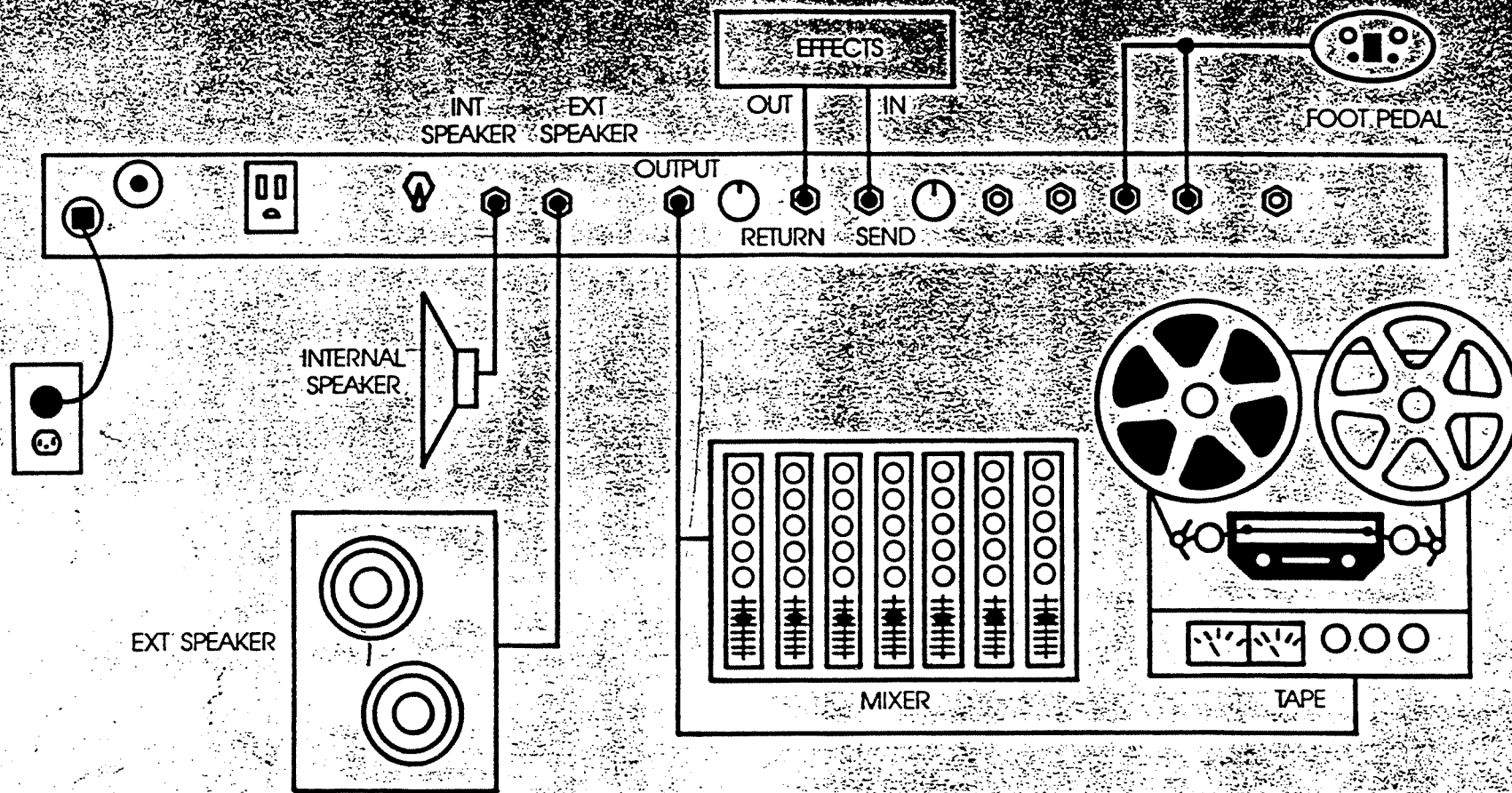


Bassy Clean Rhythm      Crunchy, Crisp Lead

NOTE: These are suggested settings and are given as a reference point to control setting variations.



# EFFECTS LOOP




# WIRING

Examine the rear panel of this unit. The amplifier is equipped with the proper power supply cord for your country. On the 100v-260v Model, set the voltage selector to proper voltage before connecting to power receptacle. If you have any further questions regarding voltage, please consult your local distributor.

Replace fuse with same type as specified on the rear panel.

120v - 60 Hz

120V 60Hz  
0.7A 75 WATTS




FUSE  
4A AMP  
125V MIN  
SLO-BLO

CAUTION:  
TO REDUCE THE  
RISK OF FIRE  
REPLACE ONLY  
WITH SAME TYPE  
4A 125V MIN FUSE.

100 v/260v - 50-60 Hz

100/260V 50/60Hz  
75 WATTS




FUSE  
USE ONLY  
5A AMP 250V  
SLO-BLO

CAUTION:  
220  
SET THIS  
SELECTOR TO MATCH  
POWER SUPPLY VOLTAGE

100 v - 50-60 Hz

100V 50/60Hz  
0.85A 75 WATTS




CAUTION:  
TO REDUCE THE  
RISK OF FIRE  
REPLACE ONLY  
WITH SAME TYPE  
5 AMP 125V  
SLO-BLO FUSE.

FUSE  
5A AMP  
125 MIN  
SLO-BLO

220 v - 50-60 Hz

220V ~ 50/60Hz  
165 W. 0.8A



FUSE  
T 3.15A

CAUTION:  
DISCONNECT  
POWER SUPPLY  
BEFORE  
CHANGING  
FUSES.

FUSE  
T 630 mA

FUSE  
T 630 mA

Under the terms of the limited warranty, defective parts will be replaced by your authorized Fender Dealer. Fender original equipment tubes are designed and built to provide optimum performance in musical instrument amplifiers. To maintain best performance and quiet operation, replacement should be made with original equipment tubes. Fender Musical Instruments furnishes warranty service through authorized Fender Dealers.

#### VINYL CARE

The exclusive Fender vinyl covering on your cabinet has been especially designed for years of lasting beauty. A very light soapy solution on a sponge may be used to remove dirt and residue that may accumulate in the grain. Be careful not to let any liquid come in contact with operating surfaces. Do NOT have amplifier plugged into power outlet when cleaning. See inside front cover for U.L. Warning.

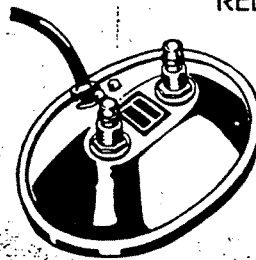
If your amp is set up but does not function, check the following items:

- Is the amp power cord properly plugged into an electrical outlet?
- Is there power at the outlet?
- Is the primary fuse blown?
- Is the speaker properly connected to the amplifier?
- Are all control knobs turned up above 4?
- Is the volume control on your instrument turned up?
- Is your instrument properly plugged into the amplifier?

GREEN LED

RED LED

LEAD SWITCH



REV SWITCH

This Pedal Assembly enables the player to remotely switch RHYTHM and LEAD as desired. Also to switch the REVERB On or Off.

The built-in RED LED lights up when the amplifier is in LEAD mode. The built-in GREEN LED lights up when the REVERB is in operation.

To attach Pedal Assembly insert the RED plug into the PEDAL RED jack, and insert the PLAIN plug into the PEDAL PLAIN jack.

NOTE: The Pedal Cable MUST be secured to the cabinet by means of a suitable clamp and screw, such as P/N 068425 Clamp, Pedal cable .125 I.D., and P/N 084699-Screw, 8x3/4 F.H. Phillips. To reduce the risk of tearing the leads from their associated plugs, screw accessory cable clamp to inside wall of cabinet.

This limited warranty against defects in material and workmanship begins at the date of original retail purchase and lasts for one (1) year from that date. It applies to all components and is limited to the original retail purchaser. You may prove date of purchase by completing and mailing the registration card to Fender Musical Instruments, or retaining a copy of your sales invoice.

Transportation charges are not included in this warranty. If any component of the product is found to be defective, we will furnish a replacement without charge if it is returned to an authorized Fender Dealer, an authorized service technician or Fender Service Center at the address provided below. Any

damage or defect resulting from unauthorized parts or service is excluded. Any service performed by other than an authorized Fender Dealer, an authorized service technician or Fender Service Center is not reimbursable under this warranty.

The warranty is void if the serial number is defaced or removed, or the product has been visibly damaged by alteration, misuse, accident or neglect. THE COMPANY ASSUMES NO LIABILITY FOR PROPERTY DAMAGE WHICH MAY RESULT FROM THE FAILURE OF THIS PRODUCT. Any warranties of MERCHANTABILITY or FITNESS implied by law 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 limitation may not apply to you. Some states do not allow

the exclusion or limitation 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.

Have your service performed by: An Authorized Fender Dealer, authorized service technician or Fender Service Center  
1130 Columbia Street  
Brea, California 92621

WARRANTOR:  
FENDER MUSICAL INSTRUMENTS  
1130 Columbia Street  
Brea, CA 92621