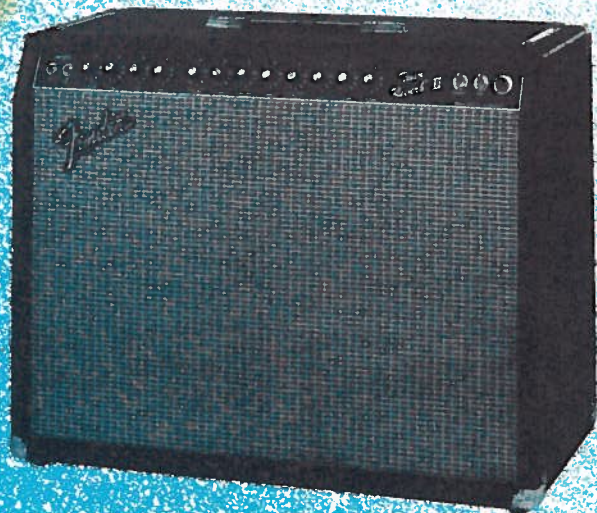


FENDER TWIN REVERB II

OPERATION INSTRUCTION MANUAL • 021008



Fender[®]

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.

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.

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

- 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 Special Fender E/V Speakers by ElectroVoice
- 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

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.

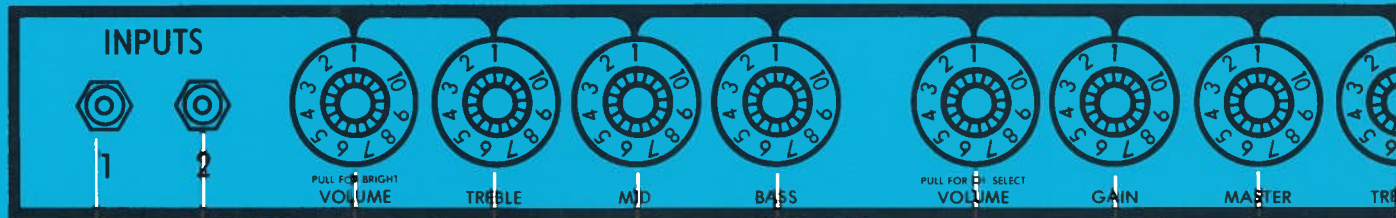
Operation from an ungrounded (2 pronged) receptacle requires a 3-to-2 contact grounding type adapter. The adapter's grounding lead must be connected to a good earth ground.

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).

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. Channel 2. For maximum "clean" sound set Master at 10 and Gain at 1. Adjust Channel Volume to desired level.



REBLE
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 reverb in both channels

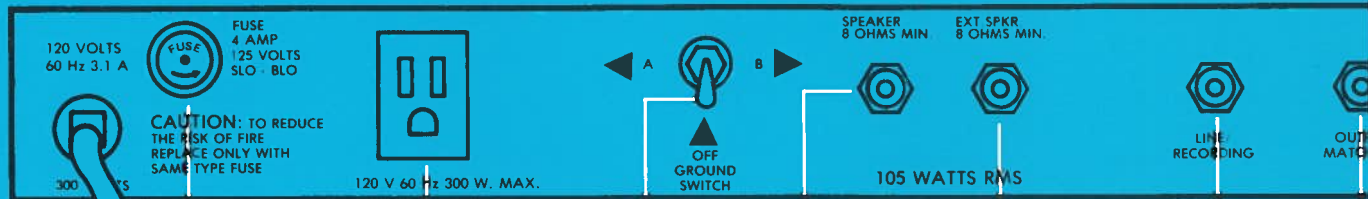
PRESENCE
Adds overall brilliance to the amplifier. Affects both channels

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 250 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.

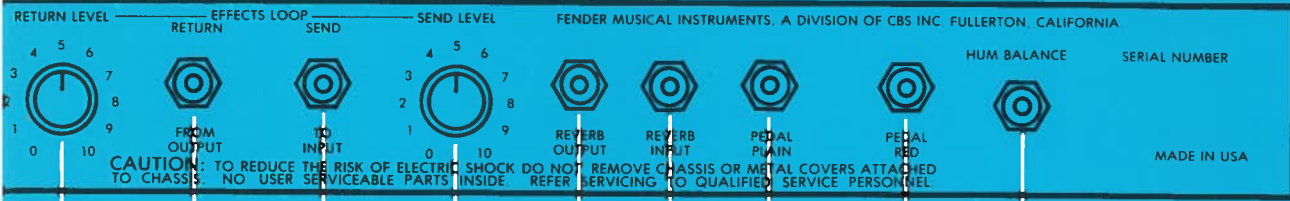
EXTENSION SPEAKER JACK
Provides a connection to an extension speaker enclosure. Observe minimum speaker impedance of 4 or 8 ohms.

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

OUTPUT MATCH
This is factory optimized for minimum hum. When output is adjusted to minimum hum, match the output to the load.

EFFECTS LOOP

Allows optimum connection of external signal processors such as phaser, chorus, equalizer, digital delay and other type 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.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK TO CHASSIS, NO USER SERVICEABLE PARTS INSIDE. DO NOT REMOVE CHASSIS OR METAL COVERS ATTACHED. 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.

RETURN LEVEL
Adjusts the volume of the signal from the device.

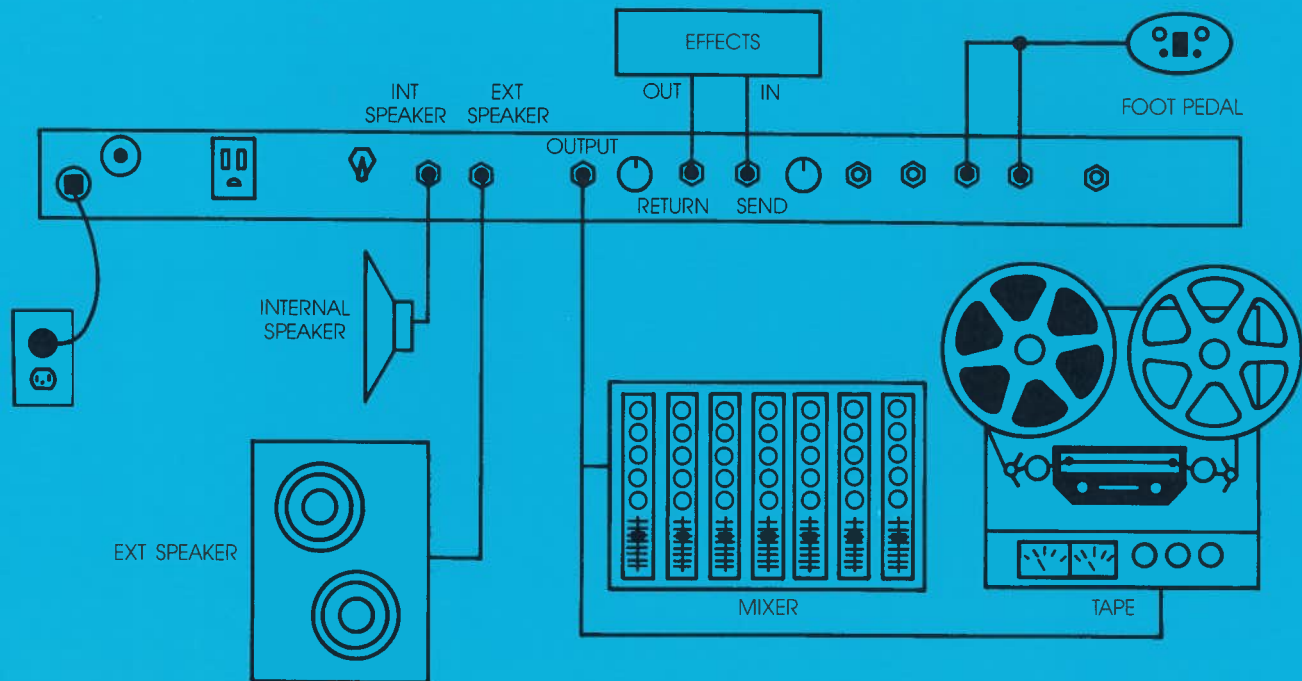
SEND LEVEL
Adjusts the amount of signal sent to the external device.

SUGGESTED SETTINGS

	Pull				Pull				Twin Reverb II				ON	AC			
INPUTS															STANDBY	OFF	
	1	2	VOLUME	TREBLE	MID	BASS	VOLUME	GAIN	MASTER	TREBLE	MID	BASS	REVERB	PRESENCE			FENDER MUSICAL INSTRUMENTS
	Clean Bright Rhythm				Hot, Fat Lead												
	Pull				Pull				Twin Reverb II				ON	AC			
INPUTS															STANDBY	OFF	
	1	2	VOLUME	TREBLE	MID	BASS	VOLUME	GAIN	MASTER	TREBLE	MID	BASS	REVERB	PRESENCE			FENDER MUSICAL INSTRUMENTS
	Warm Jazz Rhythm				Bright, Crisp Lead												
	Pull				Pull				Twin Reverb II				ON	AC			
INPUTS															STANDBY	OFF	
	1	2	VOLUME	TREBLE	MID	BASS	VOLUME	GAIN	MASTER	TREBLE	MID	BASS	REVERB	PRESENCE			FENDER MUSICAL INSTRUMENTS
	Mellow Bright Rhythm				Fat, Clean Lead												
	Pull				Pull				Twin Reverb II				ON	AC			
INPUTS															STANDBY	OFF	
	1	2	VOLUME	TREBLE	MID	BASS	VOLUME	GAIN	MASTER	TREBLE	MID	BASS	REVERB	PRESENCE			FENDER MUSICAL INSTRUMENTS
	Bassy Clean Rhythm				Crunchy, Crisp Lead												

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

EFFECTS LOOP

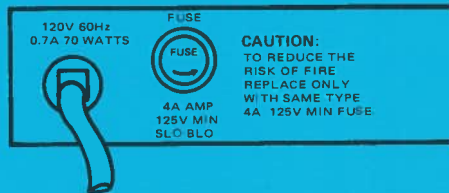


WIRING

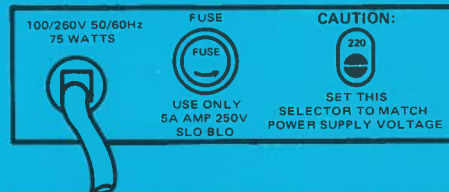
Examine the rear panel of this unit. The amplifier is equipped with the proper power supply cord for your country. On the 100v-260v Model, set the voltage selector to proper voltage before connecting to power receptacle. If you have any further questions regarding voltage, please consult your local distributor.

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

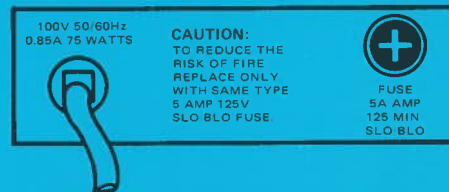
120v - 60 Hz



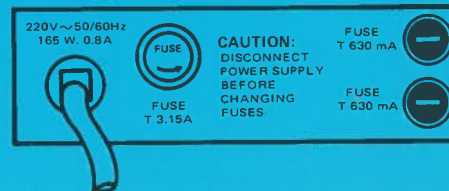
100 v/260v - 50-60 Hz



100 v - 50-60 Hz



220 v - 50-60 Hz



REPLACEMENT PARTS

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.

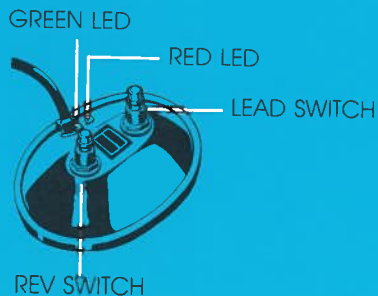
VINYL CARE

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.

CHECK LIST

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?



FOOT PEDAL (Optional, P/N 017007)

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.

LIMITED WARRANTY

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/CBS 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
1300 East Valencia
Fullerton, California 92634

WARRANTOR:
FENDER/CBS MUSICAL
INSTRUMENTS
A Division of CBS Inc.
Post Office Box 4137
1300 East Valencia
Fullerton, CA 92634