

Fender[®]

THE SOUND THAT CREATES LEGENDS

"Custom" Vibrolux Reverb[®]
Owner's Manual

P/N 048993

INTRODUCTION

The Fender Amp Custom Shop is dedicated to creating high quality amplification to serve top artists and discriminating players. These amps offer no compromise sound and performance with vintage appeal and bullet-proof construction. Of course, things like point-to-point wiring do not come cheap. To better serve those who cannot afford the 100% hand-wired, no compromise custom amps, Fender has created the "New Vintage" Series, using modern production methods to reduce cost while keeping the tone "custom".

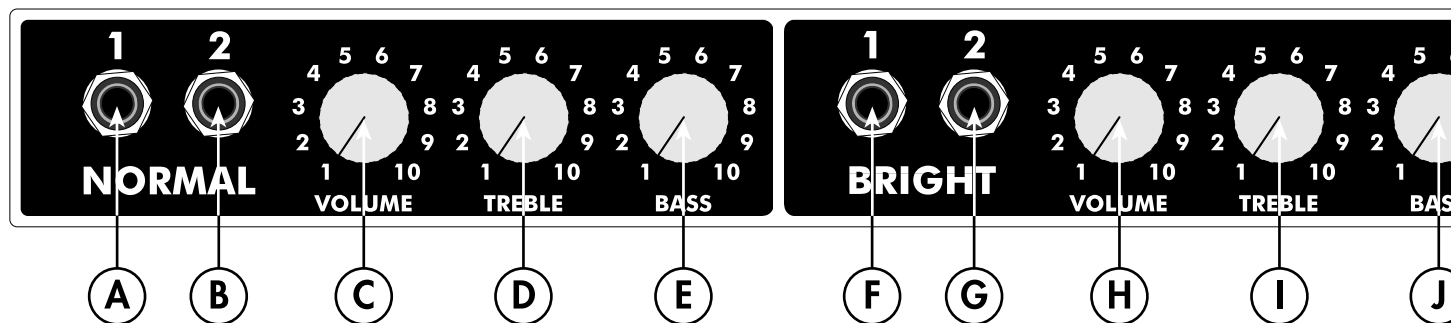
The first Vibrolux appeared in the mid 1950's as a medium-sized combo amp. Throughout the years, many new versions were issued, each with a distinct tone and personality, yet all remaining very "Fender". Power output of these early versions ranged from 22 to 40 watts, lending them to good use as small club or recording amps.

In the spirit of all the great Vibrolux amps of yesterday, we offer the "Custom" Vibrolux Reverb of today. It is not a reissue of any of the old units, rather, it is a new amplifier with much of the sound and "feel" of many great Fender amps of the past. Like the Fender custom amps, the "Custom" Vibrolux Reverb is painstakingly built, one at a time, by a select group of craftsmen at the Fender electronics factory in Lake Oswego, Oregon.

The "Custom" Vibrolux Reverb was created for the player who requires a medium powered amplifier with very "vintage" tube tones. It is equipped with all-tube generated reverb and vibrato. Unlike many old amps, the Vibrato and Tremolo effects work in both channels. The vibrato effect in the 'Lux is of the direct-coupled oscillator type not heard from since the early 60s, giving a much different effect than the "Blackface" type tremolo, as found in the Twin Reverb®. The speakers in the "Custom" Vibrolux Reverb are Eminence replicas of the 50's Jensen P-10 10" speakers. The 2 button footswitch provided will switch both the Vibrato and the Reverb on or off.

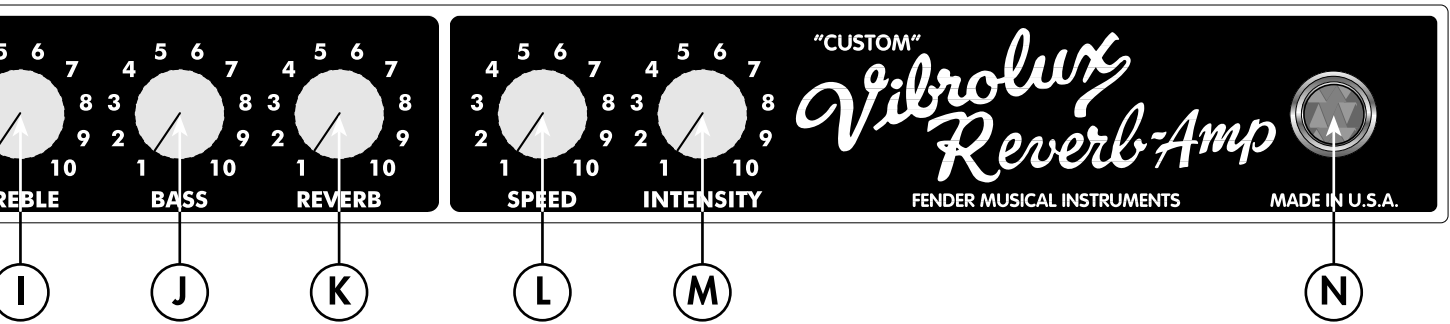
It is suggested that you read this manual thoroughly to understand all the features and functions of your new amplifier.

WARNING: TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE AMPLIFIER TO RAIN OR MOISTURE!



"CUSTOM" VIBROLUX REVERB FRONT PANEL FUNCTIONS

- A,B. NORMAL CHANNEL INPUTS** - Plug-in connection for instruments. Input 1 provides 6 dB more gain than input 2.
- C. NORMAL CHANNEL VOLUME CONTROL** - Adjusts the overall loudness of the NORMAL CHANNEL.
- D. TREBLE CONTROL** - Adjusts the amount of high frequency boost (accentuation) or cut (attenuation) in the NORMAL CHANNEL.
- E. BASS CONTROL** - Adjusts the amount of low frequencies in the NORMAL CHANNEL.
- F,G. BRIGHT CHANNEL INPUTS** - Plug-in connection for instruments. The BRIGHT CHANNEL provides extra treble boost, especially at low volume settings. Input 1 provides 6 dB more gain than input 2.
- H. BRIGHT CHANNEL VOLUME CONTROL** - Adjusts the overall loudness of the BRIGHT CHANNEL.
- I. TREBLE CONTROL** - Adjusts the amount of high frequency boost or cut in the BRIGHT CHANNEL.
- J. BASS CONTROL** - Adjusts the amount of low frequencies in the BRIGHT CHANNEL.
- K. REVERB CONTROL** - Adjusts the amount of reverberated signal that is mixed in with the original, dry signal. Turning the control full counter-clockwise turns the REVERB feature off. The REVERB feature can also be turned on and off using the footswitch. The REVERB feature affects both the BRIGHT and NORMAL CHANNEL.
- L. VIBRATO SPEED CONTROL** - Adjusts the speed of the VIBRATO feature.

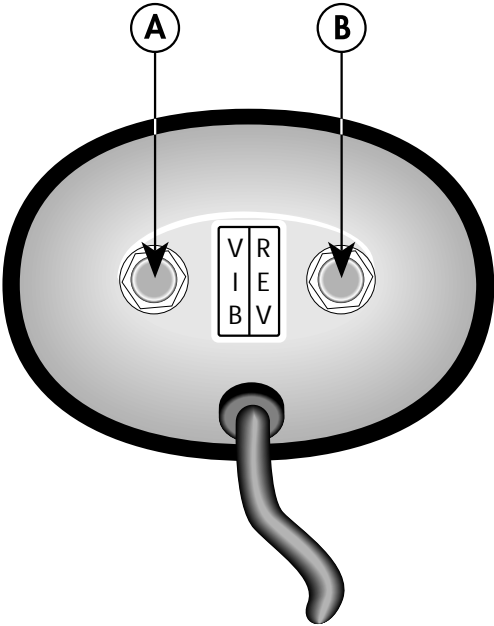


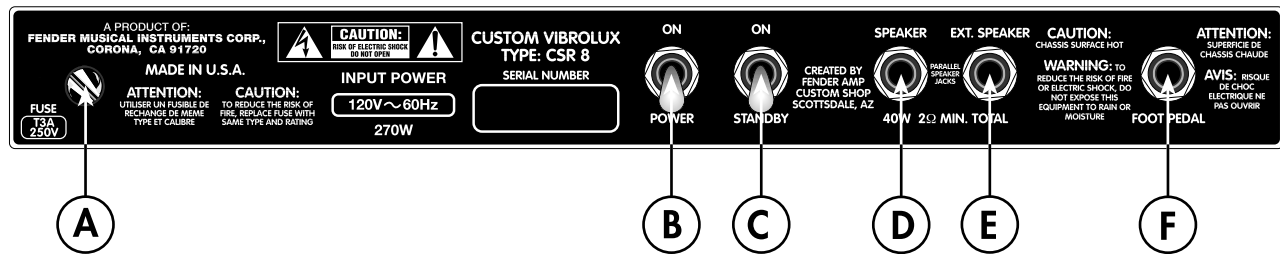
M. VIBRATO INTENSITY CONTROL - Adjusts the intensity of the VIBRATO feature. Turning the control full counter-clockwise turns the VIBRATO feature off. The VIBRATO feature can also be turned on and off using the footswitch.

N. PILOT LAMP - When the lamp is illuminated, the CUSTOM VIBROLUX REVERB is receiving power. Should the lamp burn out, turn off the power, unscrew the red jewel and replace the lamp with a type T47 light bulb.

"CUSTOM" VIBROLUX REVERB FOOTSWITCH FUNCTIONS

- A. VIBRATO SWITCH** - Push on, push off switch that turns the VIBRATO feature on and off.
- B. REVERB SWITCH** - Push on, push off switch that turns the REVERB feature on and off.





"CUSTOM" VIBROLUX REVERB REAR PANEL FUNCTIONS

- A. **FUSE** - The fuse is in the AC supply of the amplifier and will help to protect the amplifier and operator in the event of an electrical fault. If a fuse blows, it should only be replaced with a fuse in accordance with the listing at the fuse holder. If the amplifier repeatedly blows fuses, it should be checked out by a qualified technician. UNDER NO CIRCUMSTANCES should a fuse of a different type, higher current rating, or a fuse bypass be used, as this could damage the equipment and present a serious safety hazard.
- B. **POWER SWITCH** - This switch turns the AC power ON and OFF. When the switch is OFF, the amplifier is completely shut down.
- C. **STANDBY SWITCH** - This switch turns the amplifier on and off. In the STANDBY position, the amplifier is off; however, power is applied to the tube filaments so as to eliminate warm-up time. Use of this feature during short breaks versus using the POWER SWITCH will increase tube life.
- D. **MAIN SPEAKER JACK** - Plug-in connection for speakers. This jack must always be used as the primary connection to speakers.
- E. **EXTERNAL SPEAKER JACK** - Plug-in connection for an external speaker. This jack is wired in parallel with the MAIN SPEAKER JACK, and must only be used in conjunction with the MAIN SPEAKER JACK. Should the EXTERNAL SPEAKER JACK be used without also using the MAIN SPEAKER JACK, there will be no sound. Note that the amplifier is optimized for a 4 ohm speaker load, and that the speakers in the cabinet are wired for 4 ohms. Should a total load of more or less than 4 ohms be used, the amplifier will not put out its maximum power output before distortion occurs.
- F. **FOOTSWITCH JACK** - Plug-in connection for the footswitch. The footswitch allows you to turn the VIBRATO and REVERB features on and off without having to operate the controls on the front panel. NOTE: The VIBRATO and REVERB features will operate without plugging in the footswitch.

LINE CORD

Your amplifier is equipped with a grounding type supply cord to reduce the possibility of shock due to electrical fault. Be sure to connect it to a grounded receptacle. **DO NOT ALTER THE AC PLUG.**

TUBES

The "CUSTOM" VIBROLUX REVERB tube complement consists of two Fender Special Design 6L6WGC/5881's (part number 039214), five Fender Special Design 12AX7A's (part number 013341), and one Fender Special Design 12AT7 (part number 023531). Fender's Special Design Tubes provide optimum performance in this amplifier. For best results, replace with Fender original equipment tubes only. Tube location is printed on the tube label, inside the cabinet.

TOLEX COVERING CARE

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 liquid come in contact with operating surfaces. **DO NOT** have the amplifier plugged into a power outlet when cleaning.

TROUBLESHOOTER'S CHECKLIST

If the 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 fuse blown?
- Are the speakers properly connected to the amplifier?
- Is the amp on standby?
- Is the amplifier volume control turned up above "three"?
- Is the volume control on the instrument turned up?
- Is your instrument properly plugged into the amplifier?
(Eliminate any effects pedals and try another guitar cord.)

If, after checking all of the above, the system is not performing correctly, consult your Fender Service Center.

"CUSTOM" VIBROLUX REVERB SPECIFICATIONS

PART NUMBER:	120V	021-5100-000
	100V	021-5170-000
	230V	021-5160-000
	230V UK	021-5140-000
	230V NORDIC	021-5180-000
	240V AUSTRALIA	021-5130-000
DIMENSIONS:	Height:	19-3/8" (49.2 cm).
	Width:	25" (63.5 cm).
	Depth:	8-5/8" (21.9 cm).
WEIGHT:	46lbs (21kg).	
POWER OUTPUT:	40W R.M.S. minimum into 4Ω.	
OUTPUT IMPEDANCE:	4Ω.	
INPUT IMPEDANCE:	Input 1, both channels:	1 MΩ.
	Input 2, both channels:	136 kΩ.
FEATURES:	Tube generated power amp, Vibrato in both channels, Reverb in both channels, tilt-back legs.	
POWER REQUIREMENTS:	100VAC - 50/60 Hz, 270W.	
	120VAC - 60 Hz, 270W.	
	230VAC - 50 Hz, 270W.	
	240VAC - 50 Hz, 270W.	
SPEAKER COMPLEMENT:	(2) 10" Eminence, replica of Jensen P-10.	
SOUND:	Legendary.	

**WARNINGS: NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.
THIS EQUIPMENT MUST BE EARTH GROUNDED.**

A PRODUCT OF:
**FENDER MUSICAL INSTRUMENTS CORP.,
CORONA, CA 91720**