

**Fender<sup>®</sup>**

THE SOUND THAT CREATES LEGENDS

**'65 Deluxe Reverb**

TYPE: PR 239

**Owner's Manual**

P/N 047059

# INTRODUCTION

Your “new” ‘65 DELUXE REVERB amplifier is living proof of the quality and longevity of Fender amplifier designs.

Of all the Fender amplifiers produced over the past 40 years, the Deluxe Reverb has probably been used on more recordings than any other amplifier in history. Over the years, Deluxe Reverbs have proven to be incredibly versatile, used for surf, rock, blues, soul, country and everything in between. In fact, many early hard rock and heavy metal recordings were done with the Deluxe Reverb because of its great natural distortion characteristics, an unintended feature at the time. Whatever the playing style, the Deluxe Reverb has always been able to produce “the right sound”.

Your new ‘65 DELUXE REVERB is a faithful reproduction of an original 1965 Deluxe Reverb (model AB763 for historical or technical types). Every effort has been made to keep the pre-amp and power amp circuits exactly like the original. For improved reliability and manufacturing efficiency, a printed circuit board for the components is used in place of the original “Leo board” style phenolic parts panel used in the older Fender amplifiers for many years. The power and output transformers used in the ‘65 DELUXE REVERB are built to the original specifications which were still in the Fender R&D department files. Some components used in this re-issue amplifier are different in size and shape from the earlier version, but the component values are identical.

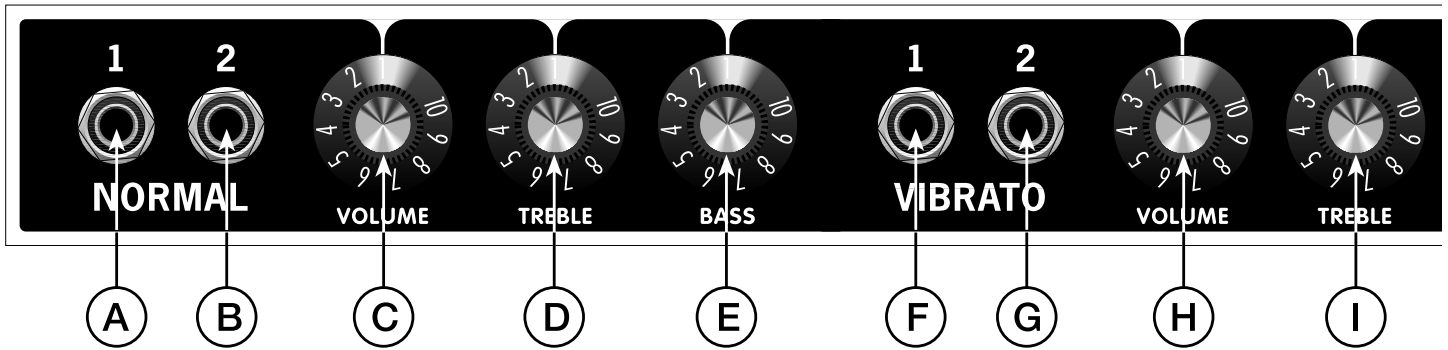
The ‘65 DELUXE REVERB is 22 watts, like the original. This model (AB 763) is often referred to as a “Black-face Deluxe Reverb” (because of the control panel’s color) and was first introduced in 1964 and continued until mid 1968 when the control panel was changed to silver swirl look that lasted through 1980.

The speaker in the ‘65 DELUXE REVERB is a duplicate of the original Jensen 12 inch “Specially Designed for Fender” speaker used for many years during the 1960s.

Please note, if you compare a new ‘65 DELUXE REVERB with an original model, the two units may sound slightly different. Remember that the speaker and filter capacitors in the original are over 25 years old and their performance has changed over the years.

It is suggested you read this manual thoroughly to understand all the features and functions of the amplifier. The purchase of a Fender amplifier will provide years of musical enjoyment and the ‘65 DELUXE REVERB helps keep the Fender legend going strong.

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



## '65 DELUXE REVERB FRONT PANEL FUNCTIONS

**A,B. NORMAL CHANNEL INPUTS**-Plug-in connection for instruments. Input 1 provides 6 dB more gain than input 2. The REVERB and VIBRATO features do not affect the NORMAL CHANNEL.

**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 frequency boost or cut in the NORMAL CHANNEL.

**F,G.VIBRATO CHANNEL INPUTS**-Plug-in connection for instruments. Input 1 provides 6 dB more gain than input 2. The VIBRATO CHANNEL is affected by both the REVERB and VIBRATO features, and also provides more treble boost than the NORMAL CHANNEL.

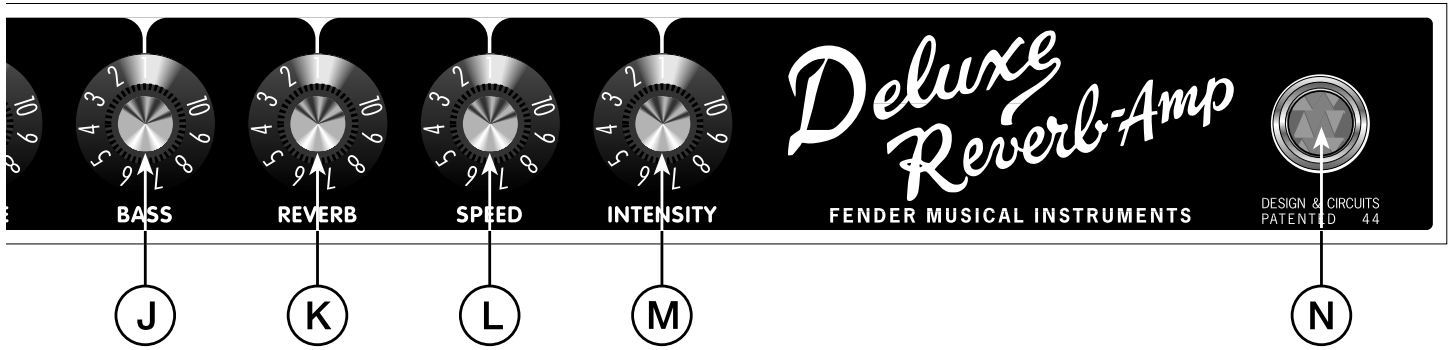
**H. VIBRATO CHANNEL VOLUME CONTROL**- Adjusts the overall loudness of the VIBRATO CHANNEL.

**I. TREBLE CONTROL**-Adjusts the amount of high frequency boost or cut in the VIBRATO CHANNEL.

**J. BASS CONTROL**-Adjusts the amount of low frequency boost or cut in the VIBRATO 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. Note that the REVERB feature does not affect the NORMAL CHANNEL.

**L. VIBRATO SPEED CONTROL**-Adjusts the speed of the VIBRATO feature. Note that the VIBRATO feature does not affect the NORMAL CHANNEL.

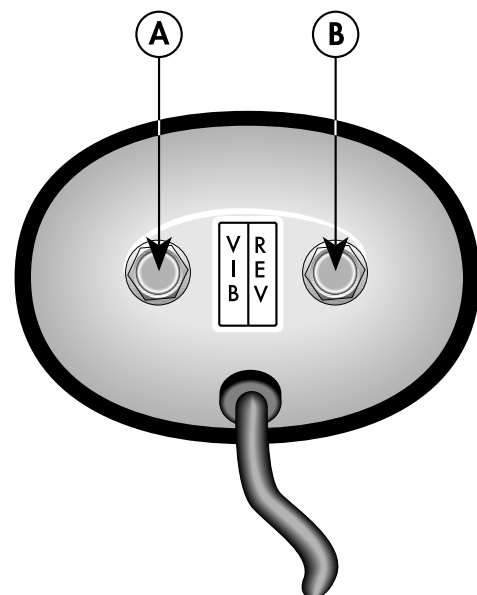


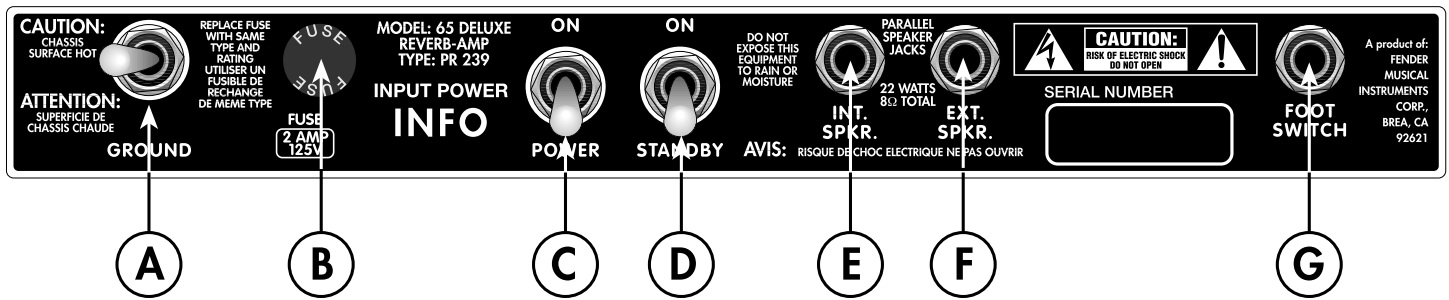
**M. VIBRATO INTENSITY CONTROL**-Adjusts the intensity of the VIBRATO feature. Turning the control full counter-clockwise turns the VIBRATO feature off. The VIBRATO feature can also be turned on and off using the the footswitch. Note that the VIBRATO feature does not affect the NORMAL CHANNEL.

**N. PILOT LAMP**-When the lamp is illuminated, the '65 DELUXE REVERB is receiving power. Should the lamp burn out, unscrew the red jewel and replace the lamp with a type T47 light bulb.

## '65 DELUXE 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.





## '65 DELUXE REVERB REAR PANEL FUNCTIONS

- A. GROUND SWITCH**-Set the GROUND SWITCH to the position that produces the least amount of “buzz” or “hum” from the speakers (I 20V model only).
- B. FUSE**-The fuse is in the AC supply of the amplifier and will help to protect the amplifier and the 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.
- C. POWER SWITCH**-This switch turns the AC power ON and OFF. When the switch is OFF, the amplifier is completely shut down.
- D. 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, provided the main power switch (item C.) is on. Use of this feature during short breaks versus using the POWER SWITCH will increase tube life.
- E. MAIN SPEAKER JACK**-Plug-in connection for speakers. This jack must always be used as the primary connection to speakers.
- F. 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 an 8 ohm speaker load, and that the speaker in the cabinet is 8 ohms. Should a total load of more or less than 8 ohms be used, the amplifier will not put out its maximum power before distortion occurs.
- G. 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 that only the REVERB feature 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 hazard. Be sure to connect it to a grounded AC receptacle. **DO NOT ALTER THE AC PLUG.**

**TUBES** The '65 DELUXE REVERB tube complement consists of one Fender Special Design 5AR4 (part number 041400), two Fender Special Design 6V6GTs (part number 023564), four Fender Special Design 12AX7As (part number 013341), and two Fender Special Design 12AT7s (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 located inside the cabinet.

**BIAS ADJUSTMENT** The control on the chassis underside is a factory adjustment only. Should the bias need adjusting, it should be performed by your authorized Fender Service Center.

**BLACK TOLEX COVERING CARE** The exclusive Fender trouble covering on your cabinet is especially designed to provide 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 the amplifier plugged into a power outlet when cleaning.

## TROUBLESHOOTER'S CHECKLIST

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

- Is the power cord properly plugged into an electrical outlet?
- Is there power at the outlet? Is the fuse blown?
- Is the speaker properly connected to the amplifier?
- Is the amp on standby?
- Are all the control knobs turned above four?
- Is the volume control on the instrument turned up?
- Is the 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 still not working correctly, consult your Fender Service Dealer.

## '65 DELUXE REVERB SPECIFICATIONS

PART NUMBER:	120V Version:	21-7400
DIMENSIONS:	Height:	17 1/2" (44.5cm)
	Width:	24 1/2" (62.2cm)
	Depth:	9 1/2" (24.1 cm)
WEIGHT:	42lbs.	(19.1 kg)
POWER OUTPUT:	22 watts R.M.S. minimum into 8 ohms	
OUTPUT IMPEDANCE:	8 ohms	
INPUT IMPEDANCE:	Input 1, both channels: 1M ohms	
	Input 2, both channels: 136k ohms	
FEATURES:	Vibrato and Reverb	
POWER REQUIREMENTS:	100V Version:	100VAC 50/60 Hz, 1.0A
	120V Version:	120VAC 60 Hz, .85A
	230V Version:	230VAC 50 Hz, .44A
	240V Version:	240VAC 50 Hz, .43A
FUSE TYPE:	100-120V Version: 2A quick-acting, 125 V minimum	
	230-240V Version: F1A, 250 V	
SPEAKER COMPLEMENT:	Fender P/N 037617 12" 8 ohm vintage re-issue speaker, designed to match the "Special Design" speakers of the mid 1960s	
SOUND:	QUITE LEGENDARY!	

**WARNING: NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

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