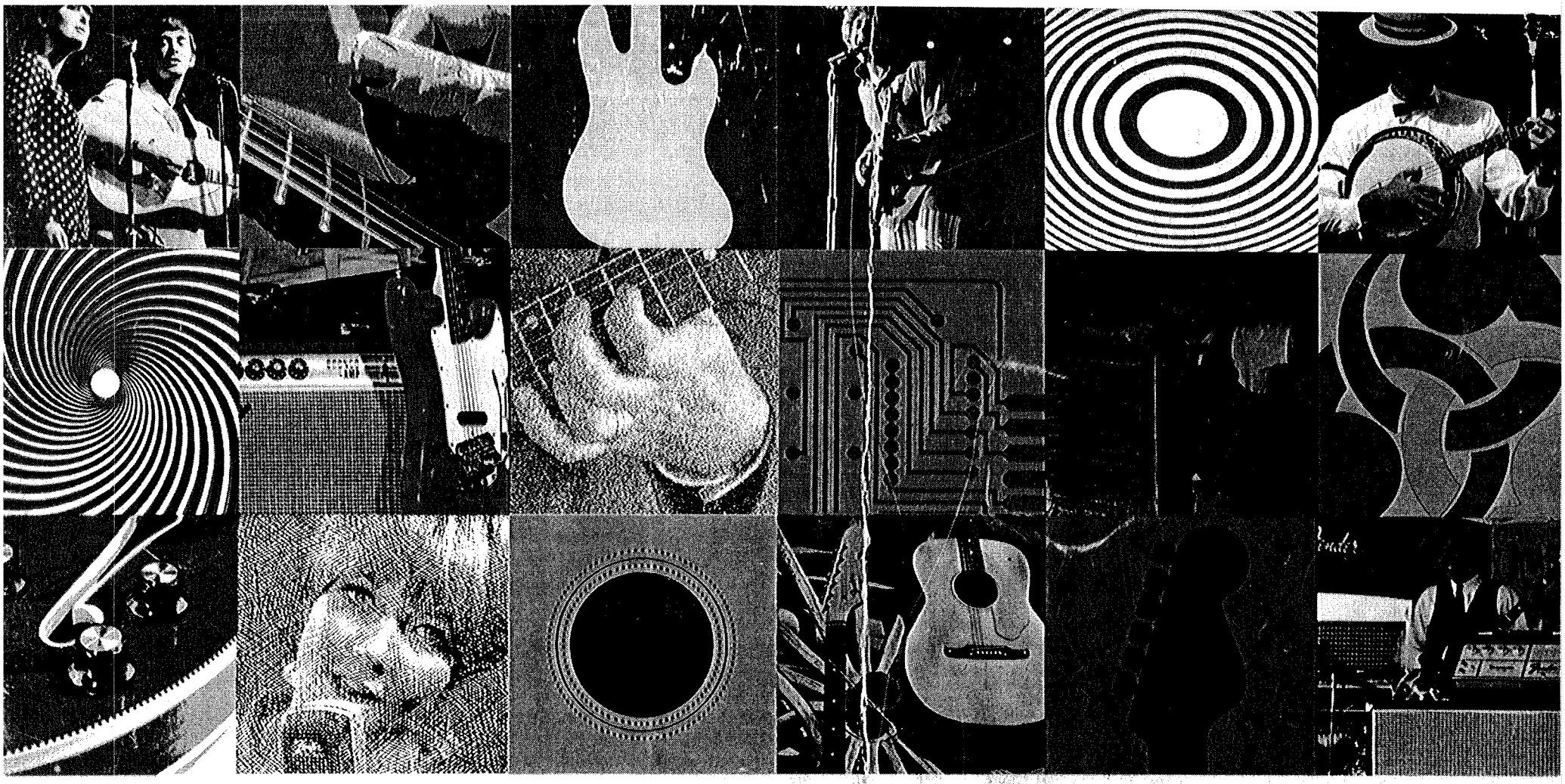


Fender

SOLID STATE SUPER SHOWMAN AMPLIFIER SYSTEM XFL-1000/XFL-2000

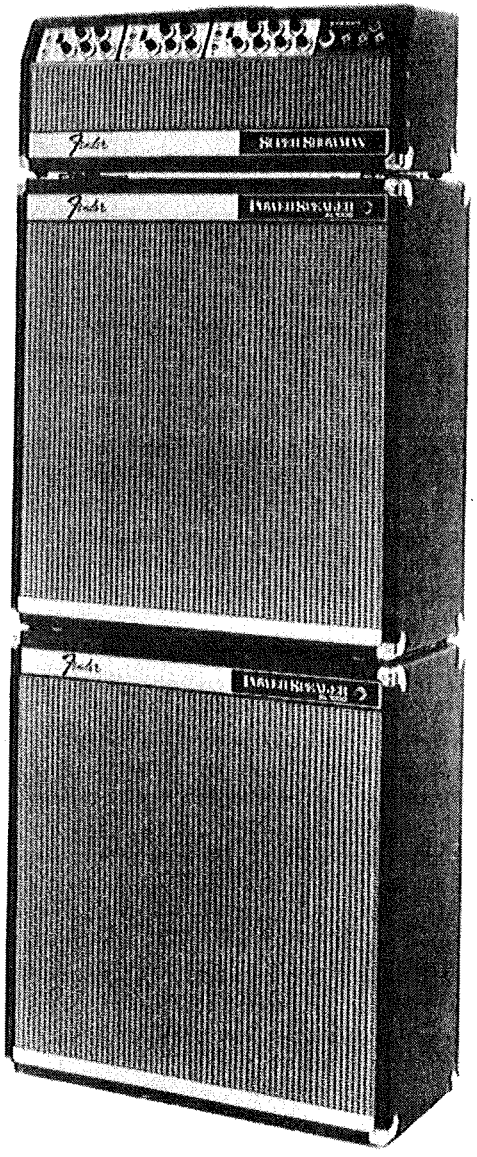
Fender®

SOLID STATE

CONGRATULATIONS

Congratulations! You have just purchased a wealth of entertainment pleasure with your new Fender Solid State Amplifier. Welcome to the discriminating family of Fender Equipment owners! The latest engineering advances in solid state circuitry and design have been incorporated to offer you a variety of outstanding features to explore and experience. In order that you fully understand the capabilities of your new amplifier, it is important that you review this Owner's Manual carefully. To prolong and increase playing enjoyment, be sure to read "Operation" and "Maintenance" sections. Please complete and return the attached warranty card to extend your guarantee to one year and also to receive "Fender Facts" publications.

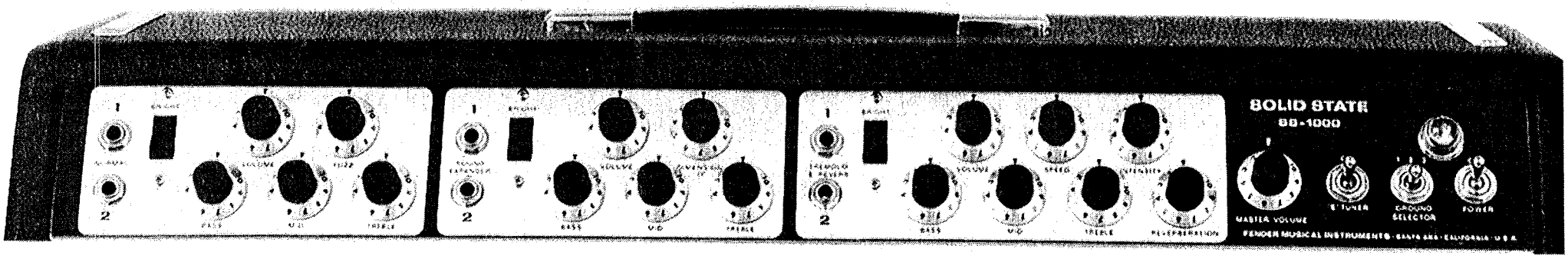
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



THE SUPER SHOWMAN AMPLIFIER

To meet the every need of the musician, the Super Showman Amplifier System is designed in module form, allowing the Pre-Amplifier to operate with any combination of one or more XFL Power Speakers as desired. Adventure in sound awaits as you uncover the many fine features of the Super Showman Amplifier System.

- *Complete solid state circuitry.*
- *Three channels, representing three separate modes of operation.*
- *Two inputs for each channel.*
- *Built-in Reverb, Tremolo, Fuzz and Dimension IV. (Sound Expander.)*
- *"E" Tuner.*
- *Individual channel accent controls.*
- *Two XFL-1000 Power Speakers, each producing RMS power of 140 watts and containing four 12-inch heavy duty speakers.*
- *Optionally available are Two XFL-2000 Power Speakers, each producing RMS power of 140 watts and containing eight 10-inch heavy duty speakers.*
- *Completely portable.*
- *Professional Fender styling, quality and rugged construction.*



PRE-AMPLIFIER FRONT PANEL CONTROLS

INPUT JACKS: Instrument or microphone jacks. When only one instrument is used, place plug in number one jack. Microphones (high impedance) should be used in jack number one or two as required. Hi-Fi equipment should be used in number two jack.

BRIGHT SWITCHES: Augment treble (highs) by boosting overall brilliance.

VOLUME: Controls volume or overall loudness levels.

BASS: Boosts or attenuates bass response.

MID: Boosts or attentuates the middle frequencies.

TREBLE: Boosts or attenuates treble response. Augmented by the Bright Switch.

FUZZ: Controls the amount of Fuzz (distortion) effect produced.

DIMENSION IV: Controls the intensity of Dimension IV (Sound Expander) effect produced.

REVERBERATION: Controls the amount of Reverberation produced.

TREMOLO SPEED: Varies the frequency (rapidity) of tremolo.

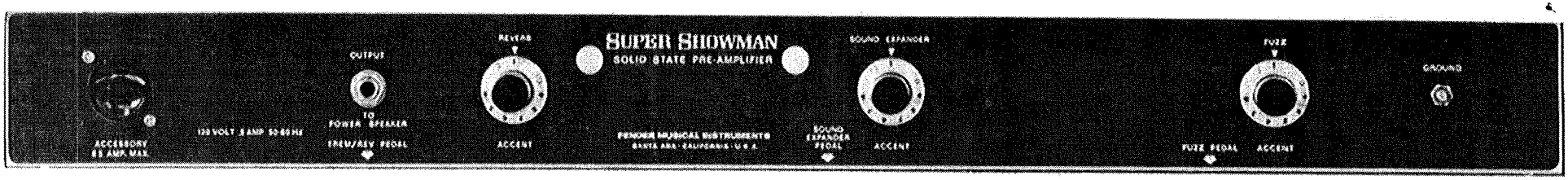
TREMOLO INTENSITY: Varies the richness of tremolo tone.

MASTER VOLUME: Controls the overall volume level for the entire amplifier system including all Power Speakers.

"E" TUNER: Switches on E note (E above middle C or first string of guitar) for instrument tuning.

GROUND SELECTOR: Eliminates or reduces the line noise or hum caused by improperly polarized AC line. Switch has three positions; try all positions for lowest hum level.

POWER: Turns the Pre-Amplifier on and off.



PRE-AMPLIFIER REAR PANEL CONTROLS

ACCESSORY: AC outlet for accessories or Power Speakers drawing up to 6.5 amperes maximum (the equivalent of two Power Speakers).

GROUND POST: May be connected to an external ground to minimize audible background AC line noises.

OUTPUT: Output jack from Pre-Amplifier to Power Speaker Connect with stereo cord only!

ACCENT: Adjusts the loudness level of the original or pure tones of the instrument to the mixture desired when blended with the special effect.

REMOTE FOOT SWITCH JACKS: Connect the double foot switch (five prong) to "Tremolo-Reverb" jack, four prong switch to the "Dimension IV" jack and the three prong switch to the "Fuzz" jack for remote operation of the effects. Plugs cannot be interchanged.

POWER SPEAKER REAR PANEL CONTROLS

INPUT: Input jack from Pre-Amplifier or second Power Speaker.

VOLUME: Controls the volume level for the Power Speaker.

OUTPUT: Output jack from one Power Speaker to input jack of another Power Speaker.

SOUND: Provides the "basic sound" selection of solid state (SS) or vacuum tube (VT).

GROUND POST: May be connected to an external ground to minimize audible background AC line noise.

POWER: Turns the Power Speaker on and off.

OVERLOAD RESET: Manual reset turns Power Speaker on again in the event of Power Speaker overload.

ACCESSORY: AC outlet for accessories or Power Speakers drawing up to 6.5 amperes maximum (the equivalent of two Power Speakers). Note: If Power Speaker is plugged into Pre-Amplifier, plug only **one** additional Power Speaker into outlet to prevent overloading of the Pre-Amplifier AC line cord.

SET-UP

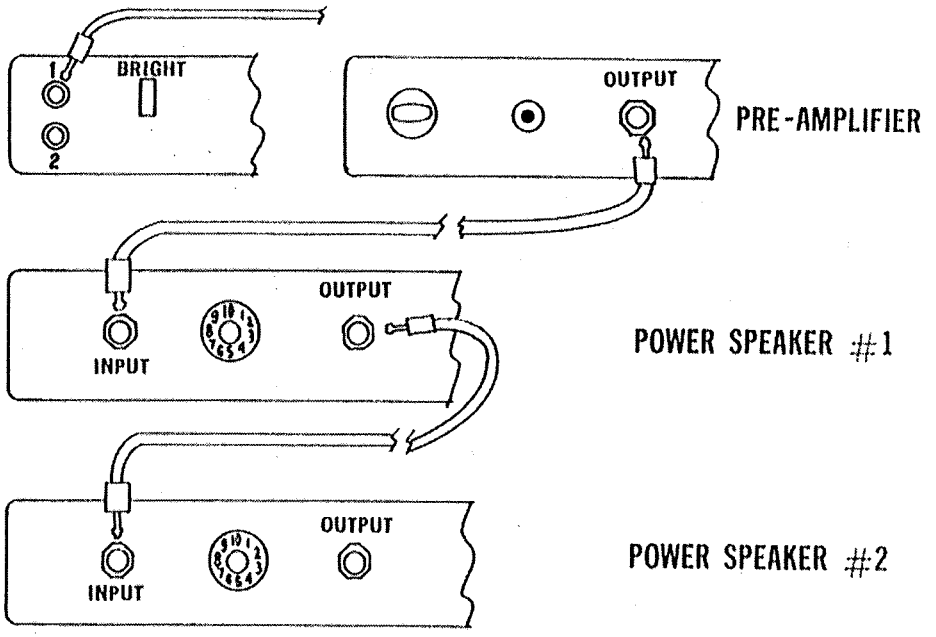
The units of the Super Showman Amplifier System may be stacked or separated around the stage in any manner desired. When mounting one XFL-1000 unit to another, make certain that the knurled mounting screws at the base of the Pre-Amplifier and Power Speakers are finger tight and that each unit is secure to the other. Note: The XFL-2000 System will not normally be stacked because of its height.

The Pre-Amplifier and Power Speakers of the Super Showman are patched together in the following manner:

PRE-AMPLIFIER: Connect **stereo cord** provided with Power Speaker from the Pre-Amp output jack to the input jack of the XFL-1000/XFL-2000 Power Speaker.

POWER SPEAKER: Connect **stereo cord** provided from output jack of one XFL-1000/XFL-2000 Power Speaker to the input jack of another Power Speaker.

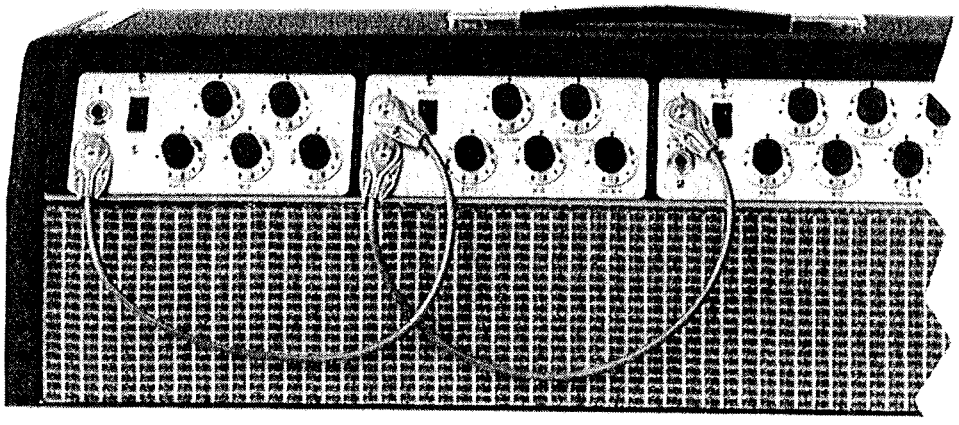
Note: Special short stereo cords are provided to patch between units of the Super Showman System. Standard cords should be used only from the instrument to the Pre-Amplifier. (Illustrated)



CHANNEL PATCHING

It is possible to utilize each of the Super Showman effects at the same time by employing a patching system from channel-to-channel. If, for instance, the primary instrument is plugged into channel number one of the Normal Channel, it is possible to utilize the Fuzz effect in that channel and the Dimension IV effect in the next channel by running a patch cord from input number two of the Normal Channel into input number one of the Sound Expander Channel.

Similarly, a second patch cord can then be used from input number two of the Sound Expander Channel into input number one of the Tremolo Channel to add Tremolo and Reverberation effects as well. The Sound Expander Channel can be bypassed to utilize only Fuzz, Tremolo and Reverberation effects by patching from the Normal Channel into the Tremolo Channel. (Illustrated)



OPERATION

With all on-off switches off, plug the AC power cords from the Pre-Amplifier and each of the Power Speakers into a 120 volt AC outlet. Note that the Accessory outlet at the rear panel of each unit can be used as a power source. **CAUTION:** Before turning on the system, make certain that the volume controls are set to the minimum to avoid possible excessive sound levels and feedback.

The following procedure should be followed to begin operation of the Super Showman:

1. Turn power switches on at the Pre-Amplifier front panel and the Power Speaker rear panels.
2. When all pilot lights are lighted, **set the volume controls on the rear panels of all Power Speakers to maximum (10), the Master Volume at 7,** and the Volume control(s) on the Pre-Amplifier to the desired level.
3. Set the Ground Selector on the Pre-Amplifier to the position which minimizes AC line noise. If line noise persists, connect Power Speaker or Pre-Amplifier Ground Post to any grounded object.

IMPORTANT — IMPORTANT — IMPORTANT — IMPORTANT

For Maximum Performance

The Volume control on each Power Speaker should be kept at maximum (10). Control of volume for the entire system is best achieved with the Master Volume on the Pre-Amplifier. If, however, a Power Speaker is separated from the main system in another room or closer to the audience, its volume can be adjusted with the Volume control at the rear panel. Set Master Volume at 7 or 8 for normal operation.

To achieve the maximum in special effects (Reverb, Fuzz and Dimension IV), set individual channel Volume and Tone controls as desired, foot switches off, Accent and effects controls at minimum. After normal sound level is set, turn effect foot switch on and turn effect and Accent controls toward maximum until the effect mixture and volume is at the desired level as compared with the volume obtained when the special effects switch is off. Since the effect controls on the front panel advance the volume somewhat, this Accent control allows you to achieve the same loudness level when playing with special effects as when not using an effect; all without the necessity of resetting the front panel Volume controls.

MAINTENANCE AND MALFUNCTION TIPS

The Super Showman Amplifier System has been designed for long life and rugged use. With proper care, this system will serve you for many years with outstanding performance and appearance. These maintenance tips are given to prolong this life and appearance and as check points in the event of malfunction.

◆ The exterior vinyl covering should be periodically cleaned with mild soap and warm water; if excessively dirty, a brush may be used with this solution. Be certain to keep water away from chassis of Pre-Amplifier and Power Speakers while cleaning.

◆ The Overload Reset button on each Power Speaker gives positive protection to the circuits of the amplifiers in the event of a sudden overload. If the system suddenly ceases to operate, simply push the Reset buttons. If overloading persists, a component malfunction may have occurred.

Should the system not operate or operates intermittently, make the following checks:

◆ The Pre-Amplifier and Power Speakers should be set up in the proper manner with **Stereo Cords Only.** Refer to the "Set-Up" section of the manual.

◆ All foot switches should be properly plugged into their respective receptacles at the rear of the Pre-Amplifier.

◆ Make certain that the Volume and Master Volume controls on the Pre-Amplifier and the Volume controls on the Power Speaker are set correctly. Refer to the "Controls" sections of the manual.

Malfunction Isolation

If a malfunction should occur, it is desirable to isolate this malfunction to either make your own repairs or to send only that section which is defective to a Fender Service Center or to your authorized Fender Dealer.

◆ **Pre-Amplifier or Power Speaker:** If, after pressing the Reset button, your system does not operate, a check should be made to locate the defect in either the Pre-Amplifier or Power Speaker(s). To test the Pre-Amplifier, it is possible to plug a cord from the Pre-Amp output jack into the input of any other amplifier. Be certain that the Master Volume is set at very low volume. If the Pre-Amplifier drives the other amplifier, then it is functioning properly. A test of your Power Speaker(s) may be made by plugging your instrument directly into your Power Speaker input. If the Power Speaker is functioning correctly, you should receive amplification at a **low volume.** If your system contains two Power Speakers, you may also simply connect each Power Speaker, in turn, with a stereo cord, directly into the Pre-Amp. If neither Power Speakers function, the difficulty will probably be found in the Pre-Amp. Naturally, if one Power Speaker functions properly, the difficulty is in the other Power Speaker.

◆ **Power Speakers:** A Power Speaker contains two amplifiers, each of which drives two of the four speakers (XFL-1000) or four of the eight speakers (XFL-2000). If one speaker should fail, the other(s) will assume the power normally drawn by the defective speaker and may also fail due to power overload. It is possible, therefore, that one of the amplifiers or half of the speakers may fail and the Power Speaker still function at reduced power. To check for speaker failure, the speaker cord from the second or functioning amp may be connected to the speakers on the defective side. If the speakers function for the second amp, then the trouble lies in the first amplifier. Due to the length of the speaker cord, it may be necessary to remove the amplifier chassis from the cabinet to make this test.

◆ **Effects:** Should one of the effects cease to operate (Fuzz, Dimension IV, Reverb or Tremolo), it is possible that the difficulty may lie in the Pre-Amplifier circuitry, the effect assembly, cords or foot switches.

The foot switches may visually be checked by removing the rubber cover from the bottom of the unit — check for broken wire leads. Remove the screw from the plug end and also check for broken wire leads.

Should the Reverb fail, it is possible to visually check the spring channel unit by removing it from its protective bag and looking for a broken spring or broken wires on the transducers found on each end of the channel. The transducers are the small black two-pole units on which the main springs are fastened. Make certain, also, that the cords to and from the reverb spring channel are connected properly and not reversed.

Should the Dimension IV (Sound Expander) fail to operate, check to see if the assembly itself (located under the chassis) is operating. If the motor is running, the pulley wheel should be turning. Check to see if all cords to and from the assembly are connected.

If it becomes necessary to send any part of the Super Showman to a Fender Service Center, it is desirable to send only that portion which is defective. If only the chassis of either the Pre-Amplifier or Power Speaker need be sent, you may remove it from the cabinet by taking out the four chassis bolts (two on each side). Be certain to disconnect all cords and pilot lights before removing chassis. **Pack all parts well before shipping, CBS Musical Instruments is not responsible for damage resulting from improper packing.**

FENDER SERVICE CENTERS
1300 East Valencia, Fullerton, California 92631
722 17th Avenue, S., Nashville, Tennessee 37203
10 East 36th Street, New York, New York 10016

REPLACEMENT PARTS LIST

PRE-AMPLIFIER

112748 Cabinet
112979 Grill Cloth
113084 Front Control Nameplate
113886 Front Nameplate, Lower
113092 Back Nameplate
033829 Handle
041046 Glide
024695 Corner
092585 Knob
112110 Patch Cord
113175 Stereo Cable
023879 Power Cord
021642 Pilot Light #47
025718 Pilot Light Jewel
021550 Closed Circuit Jack
113043 Stereo Jack
113050 Rocker Switch
037960 Toggle Switch SPST 110-B
110023 Toggle Switch 3 Pos. SPDT
021576 Power Receptacle
113068 Dimension IV Power Receptacle
113316 Tremolo-Reverb Foot Switch
113308 Fuzz Foot Switch
113274 Dimension IV Foot Switch
021899 Control 10K Aud
050955 Control 10K Lin
096412 Control 10K Rev Aud
021931 Control 50K Aud
114561 Control 50K Rev Aud
113027 Control 250K Rev Aud
113035 Control 500K Rev Aud
113100 Control 500K Aud
064063 Reverb Spring Channel
110866 Dimension IV Assembly
111278 LDR Assembly, Ratheon 2078
111203 Amphenol Connector Receptacle 78PCG5
111187 Amphenol Connector Receptacle 78PCG3
111195 Amphenol Connector Receptacle 78PCG4
111583 Power Transformer
111591 Reverb Driver Transformer
101972 Capacitor .047 600V
021352 Resistor 470K 10% ½W
111633 Circuit Board Assembly Power Supply
111658 Circuit Board Assembly Dimension IV
110767 Circuit Board Assembly Fuzz & E Tuner
111955 Circuit Board Assembly Reverb Output
111922 Circuit Board Assembly Normal and Dimension IV Amp
112730 Circuit Board Assembly Channel 3

POWER SPEAKERS

109363 Cabinet XFL-1000
111088 Cabinet XFL-2000
112284 Grill Frame XFL-1000
111054 Grill Frame XFL-2000
112995 Grill Cloth XFL-1000
112987 Grill Cloth XFL-2000
112326 Baffle XFL-1000
111096 Baffle XFL-2000
112706 Nameplate XFL-1000
111013 Nameplate XFL-2000
113878 Nameplate Back Panel
033829 Handle
041046 Glide
024695 Corner
112029 Thumb Screw
112086 Thumb Screw Spring
092585 Knob
112243 10" Speaker (16 ohm)
105379 12" Speaker (8 ohm)
019745 Internal Speaker Cord
023879 Power Cord
037952 Power Cord Strain Relief Bushing
025718 Pilot Light Jewel
021642 Pilot Light #47
021626 Open Circuit Jack
113043 Stereo Jack
037960 Toggle Switch SPST 110-B
113142 Circuit Breaker
113126 Rotary Switch DPDT
021576 Power Receptacle
021899 Control 10K Audio L
111831 Circuit Board Power Supply
111898 Circuit Board Isolation
111864 Circuit Board Power Amp
111369 Power Transistor
074211 Transistor Mica Washer
111542 Power Transformer
111377 Capacitor 3000 mf 45V
111419 Diode Dual

Fender®
MUSICAL INSTRUMENTS

With the purchase of your Fender Amplifier, you automatically receive the 90 day free parts warranty as detailed on the back cover of this booklet. You can extend your parts warranty to one full year as detailed. Simply fill out this card, detach it, and mail to Fender Musical Instruments.

Important! | You must fill in this card to extend your parts warranty to ONE FULL YEAR!

ONE YEAR EXTENDED WARRANTY "Fender Musical Instruments' regular ninety (90) days parts warranty and the terms and conditions thereof shall be extended to a period of one (1) year for any Fender amplifier provided the purchaser fills out and mails to Fender Musical Instruments, within ten (10) days from the date of original purchase, the Fender amplifier warranty registration shown herein.
Fender Musical Instruments does not assume by virtue of its extension of the warranty period from ninety (90) days to one (1) year, any obligations or liabilities in addition to those set forth in its regular ninety (90) days parts warranty and all the terms and conditions of such warranty shall be applicable to the one (1) year warranty provided for herein.
The one (1) year warranty period is expressly in lieu of and not in addition to, the ninety (90) day warranty period."

Record your serial numbers here for your own record. _____

Fender **Solid State Amps One Year Warranty Registration**

PURCHASE DATE _____ SERIAL NUMBER _____

NAME _____ AGE _____ MALE FEMALE

ADDRESS _____ CITY _____ STATE _____

DEALER NAME _____ CITY _____ STATE _____

☐ Student ☐ Professional ☐ Advanced Guitar Player

I play:
☐ ☐ Country/Western
☐ ☐ Folk
☐ ☐ Jazz
☐ ☐ Classic
☐ ☐ Rock 'n Roll
☐ Pop

I chose a Fender because of
☐ a Friend
☐ a Teacher
☐ a Professional
☐ ☐ Superior Quality
☐ ☐ Company Advertising
☐ ☐ Ease of playing

I noticed Fender advertising
☐ on TV (Station) _____
☐ ☐ on Radio (Station) _____
☐ ☐ in Newspaper (Name) _____
☐ ☐ in Magazine ad (Name) _____
☐ ☐ Dealer contact
☐ ☐ Direct mail
☐ Other _____

I traded my _____ on a new Fender

PLACE
STAMP
HERE

Fender®
MUSICAL INSTRUMENTS
1402 E. Chestnut
Santa Ana, California 92701

CBS Musical Instruments
A Division of Columbia Broadcasting System, Inc.
Santa Ana, California