

# OWNER'S MANUAL

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**Fender**

CBS MUSICAL INSTRUMENTS  
1300 E. Valencia Fullerton, California 92631

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**PUBLIC ADDRESS SYSTEM**

*with* **REVERB**

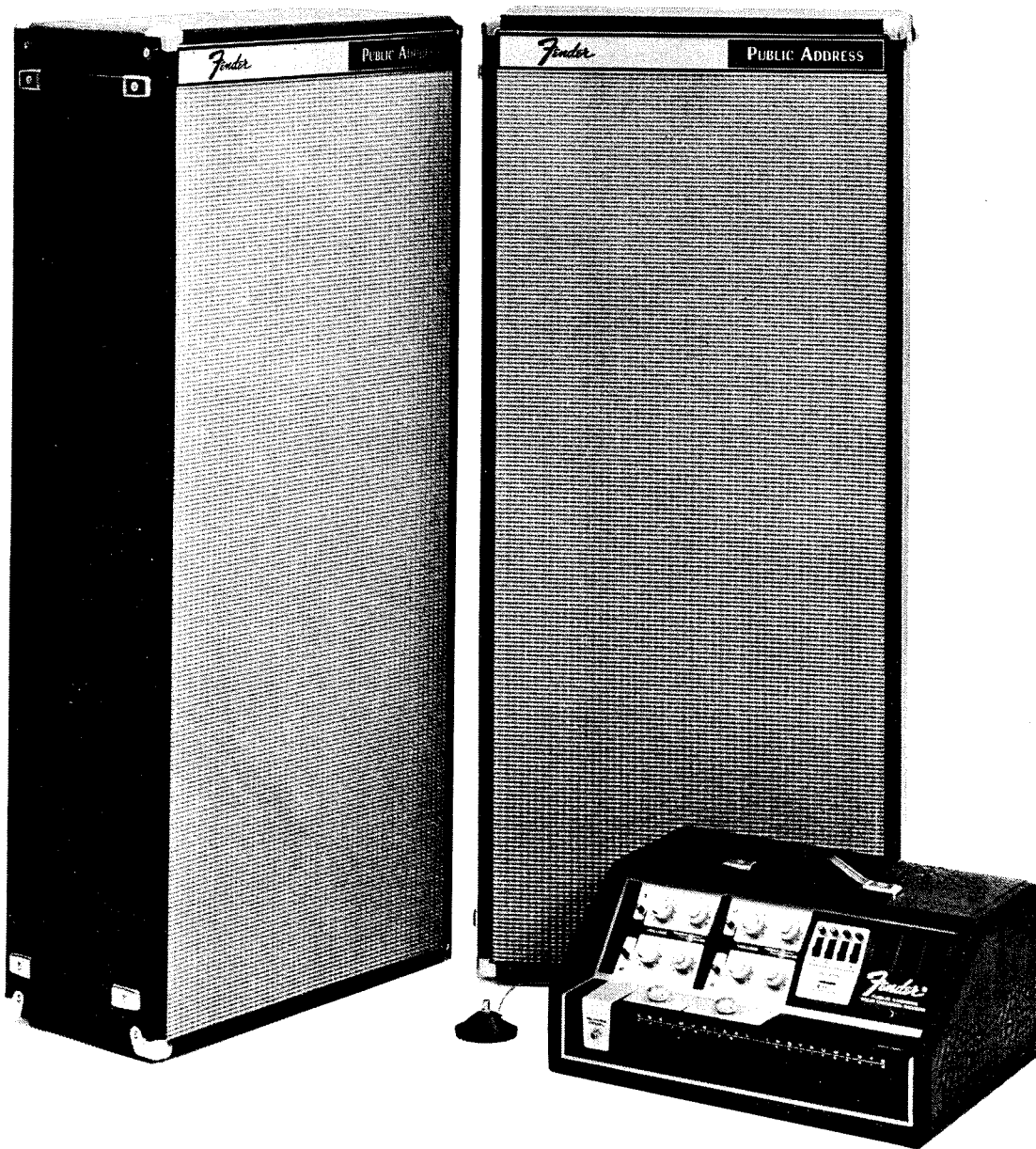
# PUBLIC ADDRESS SYSTEM <sup>WITH</sup> REVERB

Your selection of the Fender Public Address System will be rewarded with years of high quality audio performance.

This booklet is designed to familiarize you with the equipment and to acquaint you with its many fine features. We suggest you read the manual before setting up this Public Address System for the first time.

This Fender Public Address System is warranted in accordance with the statement in the back of this booklet. Fill out and mail the Warranty Registration Card to insure prompt instatement of your warranty.

If any service should be required, return the equipment to your Fender Factory Authorized sales and service dealer.



## *Features*

- 105 Watt RMS Power. (220 watt peak)
- All transistor circuitry.
- Four separate input channels.
- Four separate sets of Volume and concentric tone controls allowing independent boost and cut of both treble and bass on each of the four channels.
- Four individual channel pilot lights showing which channels are in use.
- Switching and light identification permitting the introduction of the built-in reverberation for each or all of the channels.
- Two portable column speaker units, each containing three 12-inch heavy duty speakers and one high frequency horn for maximum sound projection and coverage.
- Panel mounted volume indicator meter.
- Professional Fender styling and quality.
- Remote reverb on and off foot switch.

# FRONT PANEL CONTROLS



**MASTER PILOT LIGHT**  
Glow when "On/Off" switch (located on back of control panel of amplifier) is turned to the "On" position.

**SOUND LEVEL METER**  
Accurate measurement of sound output.

**SEPARATE VOLUME CONTROL, EACH CHANNEL**  
Controls volume for individual channel outputs.

**SEPARATE TREBLE/BASS CONTROLS, EACH CHANNEL**  
Large lower knob controls treble swell or cut. Small upper knob controls bass swell or cut.

**CHANNEL PILOT LIGHTS (4)**  
Glow when amplifier is turned on and microphone is plugged into related channel input jack on back of amplifier.

**REVERB SEPARATE CHANNEL ON/OFF SWITCHES (4)**  
Each switch has a related channel number and pilot light which glows when switch is "on". These switches allow "reverb" to be added to any combination of channels.

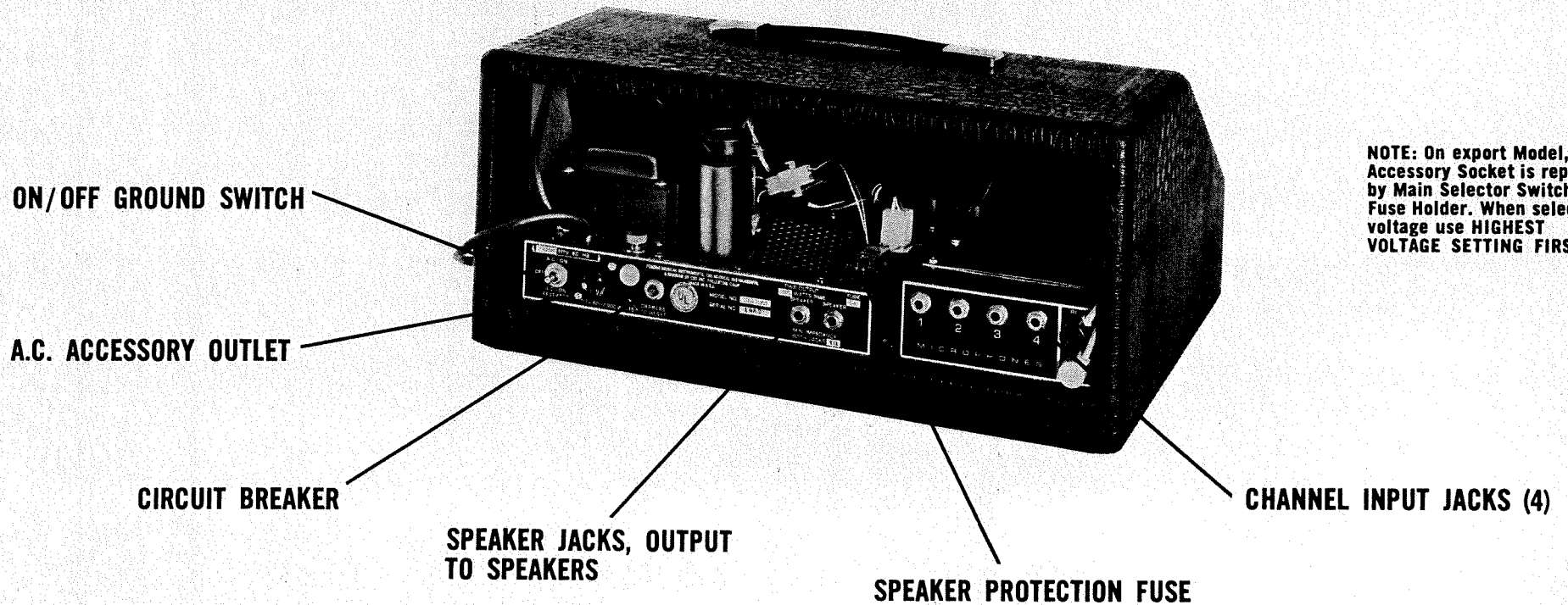
**MASTER REVERB GAIN CONTROL KNOB**  
Controls the amount of reverb added

to all channels which are in the reverb circuit.

**MASTER REVERB TONE CONTROL KNOB**  
Controls the sound of all reverb signals from bright to subtle.

**REVERB ON/OFF FOOT SWITCH JACK**  
Foot switch jack, for on/off foot control of all reverb.

# REAR PANEL CONTROLS



**NOTE:** On export Model, AC Accessory Socket is replaced by Main Selector Switch and Fuse Holder. When selecting voltage use **HIGHEST VOLTAGE SETTING FIRST.**

**ON/OFF GROUND SWITCH**  
To turn the amplifier "On", move the switch toggle either up or down from the center "Off" position. Should line noise or A. C. polarity hum develop, move the switch toggle to the other "On" position.

**CIRCUIT BREAKER**  
The circuit breaker is used to protect the amplifier from any A.C. line

surge. To reset the circuit breaker, press the red button. **NOTE:** If the circuit breaker continues to require resetting, return the amplifier to your dealer for service.

**A.C. ACCESSORY OUTLET**  
(110-120V AC, 60 Hz) (Load Limit: 200 watts). This socket is provided as a convenience to be used for any A.C.

unit drawing less than 200 watts.

**SPEAKER JACKS, OUTPUT TO SPEAKERS**

These two jacks are designed to be used with speakers with a total minimum impedance of four (4) ohms. Each speaker column has 8 ohms impedance.

**SPEAKER PROTECTION FUSE**  
A 6 amp fast-acting fuse prevents

possible damage to external speakers from a sustained overload condition.

**CHANNEL INPUT JACKS (4)**

One high impedance microphone input jack per channel (may also be used for electrical musical instruments such as guitar, piano, organ, etc.) Pilot lights located on front panel indicate channels in use.

## MAINTENANCE SUGGESTIONS

- The black vinyl cover should be occasionally cleaned with a cloth dampened with clear water.
- If the red pilot light doesn't light when the switch is turned "on", push the red "reset" button on the circuit breaker.
- If everything is normal when the input signal is applied, but there is no deflection of the Volume Indicator needle, check the following:
  1. Inspect the speaker protection fuse. If it requires replacement, use a 6 amp fast-acting fuse (Type 3AG).
  2. Check the volume control on the channels in use. At the "0" setting, the signal will be blocked.
  3. Inspect the microphone and speaker plugs for positioning in their respective jacks.
  4. If the microphone you are using has an on/off switch, be sure this switch is in the "on" position.
  5. Check for bad connections or broken lines or connectors between the major components of the P.A. system.
- **Minimizing Feedback**  
Acoustic feedback is the screech which occurs when the microphone picks up a sound from the speaker. This sound is reamplified over and over until it builds into a loud, ear-splitting roar. This condition can develop

with any Public Address System. A small room will have a maximum volume level and when the volume is increased above that level feedback will result. The following suggestions will increase the volume which can be used in any given area without feedback resulting.

1. Use a high quality uni-directional microphone of a high impedance dynamic type.
2. Experiment with the placement of the speakers and microphone in each room where the system is to be used. Placing the speakers in front of the microphone and with the speaker facing away from the microphone is a good place to start.
3. Tone control settings are most important when using the Public Address System. Careful checking of various tone settings will often improve coverage and increase the intelligibility factor.

## Speaker Technical Data

Part No: 00108498 speakers, 122978 horn

Baffle: Closed

Number Used: Three speakers and one horn per column unit

Speaker Size: 12 inch

Impedance: 8 ohms per column unit

Power Capacity: 50 Watt capacity per column

NOTE: On a new speaker column be sure to remove the plastic adhesive cover over the name plate.

## REPLACEMENT PARTS LIST

Description	Part No.
Foot Switch Assembly (Reverb)	83972
Cover, Foot Switch Assembly	22657
Switch, Foot Switch Assembly	24042
Fuse Holder	62562
Cap, Fuse Holder	21725
Fuse, 6 amp, Type 3 AG	90738
Schematics Package	121285
Handle	25403
Cap, Handle	25395
Screw, Handle - WFH	26625
Glide, Floor	24653
Insert, Glide	22483
Screw, Glide 8 x 1-1/8	26625
Transistor, Power Output	101568
Indicator Light, Pilot	60921
Knob, Volume Control	57851
Knob, Treble; lower, large	69369
Knob, Bass; top, small	69377
Lamp, Main Pilot Light	60921
Lens, Channel Pilot Light	89102
Lamp, Channel Pilot Light	64618

**NOTE:** All parts must be purchased through an Authorized Fender Dealer. CBS Musical Instruments cannot accept orders direct from the consumer.

# WARRANTY

CBS Musical Instruments warrants to replace and authorizes replacement labor for any parts which become defective during normal use for a period of ninety (90) days after purchase. CBS Musical Instruments will extend this warranty to a period of one (1) full year from purchase date provided the purchaser completes and mails the attached warranty registration card within ten (10) days of the date of purchase. This warranty is valid if the Public Address System is purchased new from an Authorized Fender dealer and the equipment has not been modified, misused, or mishandled in the judgment of CBS Musical Instruments and their authorized repair dealer. The equipment must be returned to an Authorized Fender dealer in the event service becomes necessary.

## IMPORTANT!

FOR WARRANTY EXTENSION TO ONE YEAR,  
READ PROVISIONS STATED ABOVE.

### WARRANTY REGISTRATION CARD

#### FENDER PUBLIC ADDRESS SYSTEM WITH REVERB

PURCHASE DATE \_\_\_\_\_ SERIAL # \_\_\_\_\_

PURCHASER NAME \_\_\_\_\_ AGE \_\_\_\_\_ MALE \_\_\_\_\_ FEMALE \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DEALER \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

OWNER SIGNATURE \_\_\_\_\_

This system will be used by \_\_\_\_\_ In Club \_\_\_\_\_ At School \_\_\_\_\_

# CBS MUSICAL INSTRUMENTS

A DIVISION OF THE  
COLUMBIA BROADCASTING  
SYSTEM INC.

CBS MUSICAL INSTRUMENTS

1300 E. Valencia

Fullerton, California 92631

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PLACE  
STAMP  
HERE

Attn: Warranty Registration