

OWNER'S MANUAL

Fender®

MUSICAL INSTRUMENTS
1300 E. Valencia, Fullerton, California 92631

SUPER TWIN AMPLIFIER
with DISTORTION VOLUME BOOST
and LINE/RECORDING OUTPUT

MANUAL NO. 013203 (K/GE)

Fender[®]

SUPER TWIN AMPLIFIER

Your selection of a Fender amplifier will be rewarded with years of quality music in a wide range of controlled sounds.

This manual is designed to familiarize you with the equipment and acquaint you with its many fine features. Read it carefully so that you will benefit from all of the features as soon as you start using the amplifier.

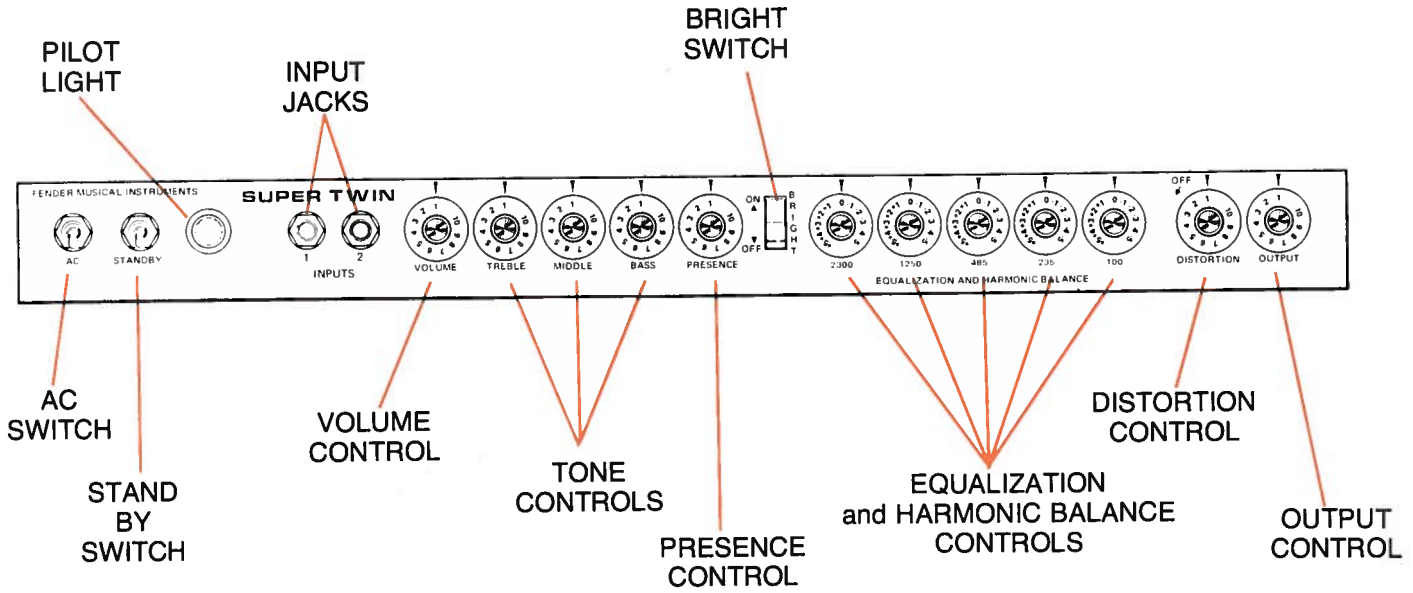
FEATURES

- 180 Watts RMS power with 395 Watts peak music power.
- Equalization and Harmonic Balance controls for maximum “cut” and “boost” and Harmonic emphasis at selected frequency bands.
- DISTORTION and OUTPUT LEVEL controls allow any desired degree of distortion to be maintained at any volume level without readjustment.
- Foot pedal with EQUALIZATION, DISTORTION and VOLUME BOOST switches which allow any function to be cut in or out instantly.
- PRESENCE control for more “bite”.
- OUTPUT LINE/RECORDING JACK for tape recorders, P.A. systems, etc.
- Rugged Fender construction and design projects and maintains professional appearance.
- Special fabric reinforced vinyl covering.
- Two 12 inch speakers especially designed for long life under demanding use.



NOTE: IT IS BEST TO REMOVE THE AMPLIFIER CASTERS BEFORE PLAYING.

FRONT PANEL



FRONT PANEL FUNCTIONS

AC

On/Off switch turns amplifier on and off.

STANDBY

Allows tube filaments to remain heated during standby periods. Amplification is instantly available without warm-up time. No danger of unwanted sound during quiet periods.

PILOT LIGHT

Lights when AC switch is on. Indicates ON/Off position of AC switch.

INPUT JACKS, 1 and 2

Instrument may be plugged into either jack.

VOLUME CONTROL

Adjusts volume to desired level. This control is also used with the Output and Distortion controls to control the volume of a distorted sound without changing the quality of the distortion.

TONE CONTROLS

TREBLE CONTROL—Provides additional high frequencies as desired. Complemented by bright switch.

MIDDLE CONTROL—Adds rich tone and accents middle register.

BASS CONTROL—Regulates desired amount of bass response.

PRESENCE CONTROL

Adds more “bite” by boosting the higher frequencies.

BRIGHT SWITCH

Adds brilliance to all notes, especially the higher frequencies.

DISTORTION CONTROL and OUTPUT CONTROL

These two controls provide a wide range of distortion effects and allow uniform, controlled distortion at any volume level.

EQUALIZATION AND HARMONIC BALANCE CONTROLS

This group of five controls can produce wonderful and weird effects far beyond the capability of most amplifiers. Each control can be set to boost or cut the band of frequencies above and below the indicated frequency. The effects can be cut in or out with the foot switch.

DISTORTION CONTROL and OUTPUT CONTROL

These two controls provide a wide range of distortion effects and allow uniform, controlled distortion at any volume level. These effects can be cut in or out by means of the two switches (marked “EQL” and “DST”) on the foot pedal. The controls will not function unless the foot switches are switched to their proper

“working” positions, or unless the foot pedal is unplugged from the two “Pedal” jacks (marked “EQUALIZER” and “VOLUME BOOST and DISTORTION”) on the rear panel of the amplifier.

VOLUME BOOST

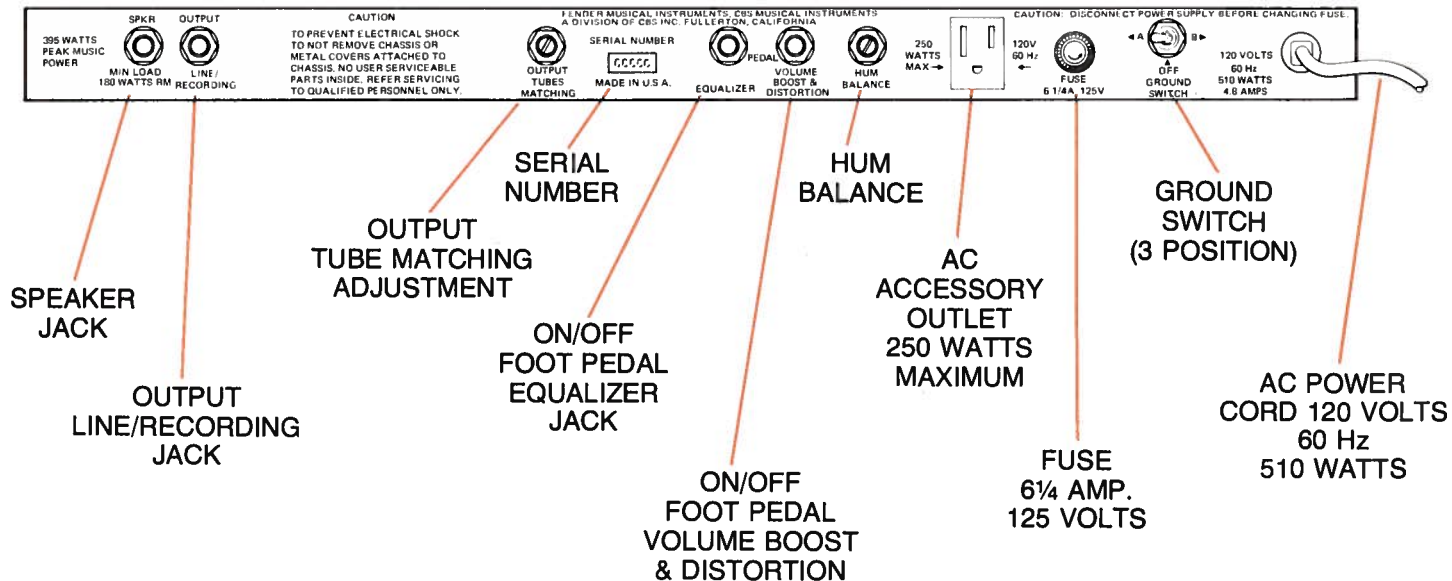
When the third switch, on the side of the foot pedal, is switched in the direction of the arrow, there will be a volume boost whenever the “DST” switch is switched on. This effect remains even when the amplifier is set to minimum distortion (see below) and is producing clean sound.

HOW TO CONTROL DISTORTION AND VOLUME

FOR MINIMUM DISTORTION turn the Distortion Control counter-clockwise until you feel a click. The distortion foot switch is now non-functional. Set the Output Control to “10” and adjust the sound output with the Volume Control.

FOR MAXIMUM DISTORTION set the instrument Volume on full. Set the amplifier Volume and Distortion Controls to maximum. Adjust the sound level with the Output Control. The foot switch provides selection of high or low distortion without substantially altering the overall sound output. The distortion level may be lowered by turning down the Volume and/or Distortion Controls and turning up the Output Control.

REAR PANEL



REAR PANEL FUNCTIONS

SPEAKER JACK

Connects internal speakers to amplifier.

OUTPUT LINE/RECORDING JACK

Permits direct connection to recorders, P.A. systems or amplifiers, with input impedances of 200 ohms or more.

OUTPUT TUBES MATCHING

This control makes it unnecessary to use matched power output tubes for optimum performance.

Best balance is obtained by setting the OUTPUT LEVEL to "1" and adjusting for minimum hum level. Ordinarily, no adjustment should be required unless the output tubes are changed.

EQUALIZER PEDAL JACK

Used to connect EQUALIZER (EQL) switch on foot pedal to amplifier for instant on/off control. Use shielded lead plug.

VOLUME BOOST & DISTORTION PEDAL JACK

Used to connect VOLUME BOOST switch (slide) and DISTORTION (DST) switch (both on foot pedal) to amplifier for instant on/off control. Use unshielded lead plug.

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.

A.C. ACCESSORY OUTLET

(120 V AC, 60 Hz) (Load limit 250 Watts) This socket is provided as a convenience outlet for any A.C. accessory.

FUSE

6¼ Amp 125 Volts

CAUTION: Disconnect amplifier A.C. plug from outlet before changing fuse.

Remove fuse by pressing in and unscrewing cap counter-clockwise. Replace only with Littlefuse No. 3136.25 or Bussman fuse No. MDL 6¼.

GROUND SWITCH

Gives player control of polarity. Positions "A" and "B" ground to each side of the line respectively. The "OFF" position disconnects all but the third line chassis ground. Try each position to find minimum hum condition.

CORRECTIVE CHECK LIST

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

- Is the amp power supply cable plugged into the wall?
- Is there power at the wall outlet where the amp is plugged in?
- Is the speaker plugged into the amplifier speaker jack?
- Are the tone control knobs turned up above 4?
- Is the volume control on your instrument turned up?
- Is the fuse good?

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

CARE OF VINYL COVERING

If the vinyl covering and handles require cleaning, use a mild soap and warm water solution, rinse with a damp cloth, and buff dry with a terry cloth. This will restore the original luster.

REPLACEMENT PARTS

If the amplifier should require new parts, they will be replaced under the term of the warranty stated in the back of this manual. Your authorized Fender Dealer will have parts in stock, or he can obtain them quickly for you.

If a tube should need replacement and no Fender Dealer is available, an electronic store can usually supply the tube required, but not under the warranty. The schematic furnished with this manual will be helpful at that time.

Fender Musical Instruments furnishes warranty service only through authorized Fender Dealers.

ACCESSORY ITEMS



FENDER BLENDER

Fuzz and sustain unit for sound modification. Blends and sustains tone to any pre-set level.



FENDER AMPLIFIER COVERS

Waterproof, tear and abrasion-resistant amplifier covers are available for every Fender amp. They prevent surface damage to the amplifier and keep out dust. Lined with soft flannel, these black vinyl covers feature the amplifier model name and Fender trademark.



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UNIVERSAL STAND

An excellent stand for self-contained amplifiers and separate amplifier tops. This stand offers convenience casters and heavily plated all metal components. It folds to a compact size for easy transportation.

GUITARS

"Fender guitars are engineered to perfectly match the electronic circuitry of your new Fender amplifier."



TELECASTER

The original Fender guitar, still enjoying great popularity.

Available in a variety of finishes.

Original Fender Lead and Rhythm pickups for that great Fender sound.



TELECASTER CUSTOM

Solid body guitar with two pickups — the standard "Tele" lead pickup and the humbucking rhythm pickup.

Individual controls for each pickup.

Exclusive bullet truss rod and tilt neck "micro" adjustment features.



STRATOCASTER

3 patented wide-range high-fidelity pickups — each individually adjustable.

6 independent bridge sections for perfect string adjustment.

Exclusive Fender contoured waist design for maximum playing comfort.



TELECASTER DELUXE

Single piece hard rock maple neck with flat radius & wide frets.

6 specifically designed individual bridge sections.

Contoured body.

Deluxe precision machine heads.

Individual controls for each pickup.

WARRANTY

Fender Musical Instruments warrants this product to be free from defects in materials and workmanship for a period of one year from date of purchase. The warranty herein extends only to the original purchaser at retail of a new product. This warranty shall not apply to products purchased from anyone other than an authorized Fender dealer, or to products which have been subject to alteration, misuse, accident, neglect (such as extremes of temperature and/or moisture), or to wear resulting from normal usage.

The warranty herein becomes effective upon receipt of the completed attached owner registration card within ten (10) days after date of purchase. Upon its receipt the owner will be sent a personalized Fender warranty identification card. Presentation of the card within the warranty period will entitle the owner to receive authorized service and repair from any authorized Fender dealer. Such service and repair shall include all labor and materials necessary to make the repairs and replacements covered under the terms of this warranty.

If the product must be returned to the factory service center for repair, it must be accompanied by an authorized Fender dealer's written direction to such effect and a Fender shipping label. Transportation charges to and from the service center shall be borne by the owner unless otherwise specified by law. This warranty is expressly in lieu of all other agreements and warranties, express or implied, except as may be otherwise required by law.

WARRANTY REGISTRATION CARD BASSMAN 100 AMPLIFIER

The Fender warranty becomes effective only if this card is returned to Fender Musical Instruments within ten (10) days after purchase. It should be filled out, signed, detached, and mailed immediately. Upon receipt of this card you will be mailed your Fender-owner identification card.

Purchase date _____ Serial No. _____
Owner's name _____ Age _____ Sex _____
Address _____ City _____ State _____
Zip _____ Purchased from _____
City _____ State _____
Owner's Signature _____
I am: professional semi-professional amateur
I bought a Fender because of:
Personal preference Advertising Reputation Recommended Other
Education: Years _____
List two of your favorite magazines _____

Litho U.S.A.

Fender[®]
MUSICAL INSTRUMENTS

PLACE
STAMP
HERE

FENDER MUSICAL INSTRUMENTS
1300 E. Valencia
Fullerton, California 92631

Attn: Warranty Registration