JENSEN PROPERTY OF THE PROPERT

# CHAMP 12

# OWNER'S MANUAL

MANUAL NO. 026007

# CHAMP 12

The Fender CHAMP 12 AMPLIFIER combines all tube design, footswitchable overdrive capability, Reverb and a Fender Special Design 12" speaker all in a compact yet sturdy enclosure. The CHAMP 12 utilizes state of the art construction techniques and minimum parts count for maximum reliability. The amplifier uses only three tubes and features a unique CLASS-A type output section which causes the 6L6GC tube to produce a distinctively smooth distortion sound which has proven to be a very popular characteristic of low power tube amps over the years.

The tonal characteristics have been tailored to produce a wide range of sounds in both the clean and overdrive modes. The tone controls actually work over a different range while in the overdrive mode effectively giving the player a second set of controls. The Pull for Mid Boost feature on the Treble control provides even more flexibility and will produce a fatter tone useful for distortion playing.

The CHAMP 12 also offers a variety of input options. The two instrument inputs will accommodate many different instruments, either active or standard passive types, and the two inputs come in handy in the teaching environment where both the student and teacher can plug in together. The Tape Input is useful for the attachment of any line level signal source to be used as accompaniment, be it a tape player, CD player, or rhythm machine. Stereo inputs are provided and the signal is converted to mono inside the Champ 12. The Volume control on the external signal source varies its level and the Champ 12 Volume controls set the instrument level. This feature is particularly handy for practicing and works well in conjunction with headphones plugged into the headphone jack for private playing. In addition to the headphone jack the CHAMP 12 has a line output jack that provides an unbalanced signal which is useful for the connection of slave power amps and larger speaker systems

for more output. This output can also be connected to a mixing console, equalized and then used for recording or sound reinforcement.

The selection of a Fender amplifier will reward you 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 the features as soon as you start using the amplifier.

The built-in quality of a Fender amplifier is the result of over three and a half decades of dedication in the combined skills of research and development by our engineers and musicians.

That is why we say, proudly ...FENDER, The Sound That Creates Legends.

## 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 primary fuse blown?
- Are all the control knobs turned up above four?
- Is the Volume control on your instrument turned up?
- Is your instrument properly plugged into the amplifier? (Eliminate any effects pedals and try another guitar cord.)
- Is the speaker properly connected to the amplifier?

  If, after checking all of the above, the system is still not performing.

the system is still not performing correctly, consult your Fender Service Dealer.

#### VINYL CARE

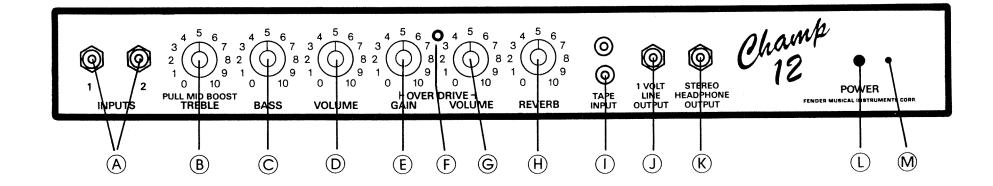
The exclusive Fender vinyl covering on your cabinet has been especially designed for years of lasting beauty. A very light soapy solution on a sponge may be used to remove dirt and residue that may accumulate in the grain. Be careful not to let any liquid come in contact with operating surfaces. Do Not have the amplifier plugged into the power outlet when cleaning.

#### REPLACEMENT PARTS

Under the terms of the limited warranty, defective parts will be replaced by your authorized Fender Dealer.

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

## CHAMP 12



Champ 12 Front Panel Functions:

## A. INPUTS

Plug-in connection for instruments. Input 1 has a higher sensitivity and impedance than Input 2 and is suitable for most all instruments. Input 2 has 6dB less gain and is useful for clean sound with high output pickups. When jacks 1 and 2 are used simultaneously they both have the same sensitivity.

## B. TREBLE

Adjusts the amount of boost (accentuation) or cut (atten-

uation) in the high frequency range. This knob can be **pulled out for boosted mid-range** which is useful in the overdrive mode for more sustain and drive.

## C. BASS

Adjusts the amount of boost or cut in low frequency range. This control automatically operates over a different range in the overdrive mode to provide optimum equalization for distortion playing.

## D. VOLUME

Adjusts the overall loudness

when in the clean mode. (Overdrive indicator is off.)

## E. GAIN

Adjusts the amount of amplification in the preamp when in the overdrive mode. (Overdrive indicator is on.) Cleaner sound is achieved at lower gain settings, high gain settings will produce more sustain and distortion. This control works in conjunction with the overdrive/volume control to set the overall loudness at the output.

## F. OVERDRIVE INDICATOR

This LED is illuminated when the amp is in the overdrive mode. The remote footswitch is used to select the overdrive mode.

#### G. VOLUME

Adjusts the overall loudness when in the overdrive mode. (Overdrive indicator is on.)

#### H. REVERB

Adjusts the amount of reverberation (spring delayed) sound that is mixed with the original instrument sound.

#### I. TAPE INPUT

Plug in connection for any line level (500 mv) stereo or mono signal. This signal is mixed into the output amp along with the instrument signal from the preamp. It has a fixed gain and is unaffected by any of the controls on the amplifier front panel. It is useful for patching in a tape player or other signal source (rhythm machine) to be used as accompaniment for practice or performance.

The output level control of the tape player is used to control its volume and the volume controls on the CHAMP 12 control the instrument level to obtain a balance.

#### J. LINE OUTPUT

A line level (1 Volt nominal) output taken from the output amp to be used to drive slave amplifiers for more output. This output can also be used in the studio with proper equalization as a recording output. This output is unbalanced and features a resistively floated ground to reduce the effects of ground loops. It is recommended that the CHAMP 12 only be connected to properly arounded equipment to reduce the possibility of fire or shock.

## K. HEADPHONE OUTPUT \*

This output will drive stereo headphones for private playing. When this jack is used the CHAMP 12 speaker is disabled.

The output from this jack is equalized to work with most brands of headphones but as with speakers different brands have very different sounds. It is recommended that the player choose suitable headphones particularly for distortion playing. WARNING — continued exposure to extreme sound intensity may result in impaired hearing acuity.

# L. POWER

Turns the amplifier ON and OFF.

#### M. POWER INDICATOR

When this indicator is illuminated the CHAMP 12 is receiving power.

### **FUSE**

This fuse is in the AC supply of the amplifier and will help to protect the amplifier and operator in the event of 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 with a higher current rating or a fuse bypass be used as this could cause equipment damage and present a serious safety hazard.

## LINE CORD

This amplifier is equipped with a grounding type supply cord to reduce the possibility of leakage current. Be sure to connect it to a grounded receptacle. Operation from an ungrounded (two pronged) AC receptacle requires a three to two contact grounding type adapter. Be sure to connect the adapter's grounding lead to a good earth ground. DO NOT ALTER THE AC PLUG.

#### TUBES

The CHAMP 12 tube complement consists of one Fender Special Design 6L6GC (P/N 023556) and two Fender Special Design 7025's (P/N 013341). Fender's Special Design electronic tubes provide optimum performance in this amplifier. For best results, replace with Fender original equipment tubes only.

# **CHAMP 12 SPECIFICATIONS**

## **DIMENSIONS:**

Height: 15-3/4" (40 cm) Width: 16-3/8" (41.6 cm) Depth: 9" (22.9 cm)

WEIGHT: 30 lbs. (13.6 kg)

POWER OUTPUT: 10 Watts RMS into 8 ohms. 30 watts peak music

power.

SPEAKER: One 12" Fender Special

Design. 8 ohms nominal

impedance.

1 Meg ohm, Input 2 — 136K ohm. Nominal level 100 mv.

TAPE INPUT IMPEDANCE: Greater than 68K ohms. Nominal level 500 mv.

LINE OUTPUT: 1 Volt nominal into 600 ohms or greater.

**HEADPHONE OUTPUT**: Capable of driving 8 ohm or greater stereo headphones.

POWER REQUIREMENTS: 120 Volts AC 60 Hz., 540 mA, 65 Watts.

FUSE TYPE: 1 Amp 125 Volt minimum, SLO-BLO.

## LIMITED WARRANTY

This limited warranty against defects in material and work-manship begins at the date of original retail purchase and lasts for one (1) year from that date. It applies to all components and is limited to the original retail purchaser. You may prove date of purchase by completing and mailing the registration card to Fender Musical Instruments, or retaining a copy of your sales invoice.

Transportation charges are not included in this warranty. If any component of the product is found to be defective, we will furnish a replacement without charge if it is returned to an authorized Fender Dealer, an authorized service technician or Fender Service Center at the address provided below. Any

damage or defect resulting from unauthorized parts or service is excluded. Any service performed by other than an authorized Fender Dealer, an authorized service technician or Fender Service Center is not reimbursable under this warranty.

The warranty is void if the serial number is defaced or removed, or the product has been visibly damaged by alteration, misuse, accident or neglect. THE COMPANY ASSUMES NO LIABILITY FOR PROPERTY DAMAGE WHICH MAY RESULT FROM THE FAILURE OF THIS PRODUCT. Any warranties of MERCHANTABILITY or FITNESS implied by law are limited to the duration of this express limited warranty.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the

exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Have your service performed by: An Authorized Fender Dealer.

WARRANTOR: FENDER MUSICAL INSTRUMENTS 1130 Columbia Street Brea, California 92621