

BOSS

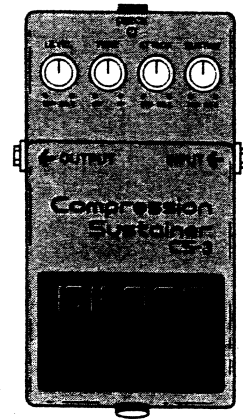
CS-3

Compression
Sustainer

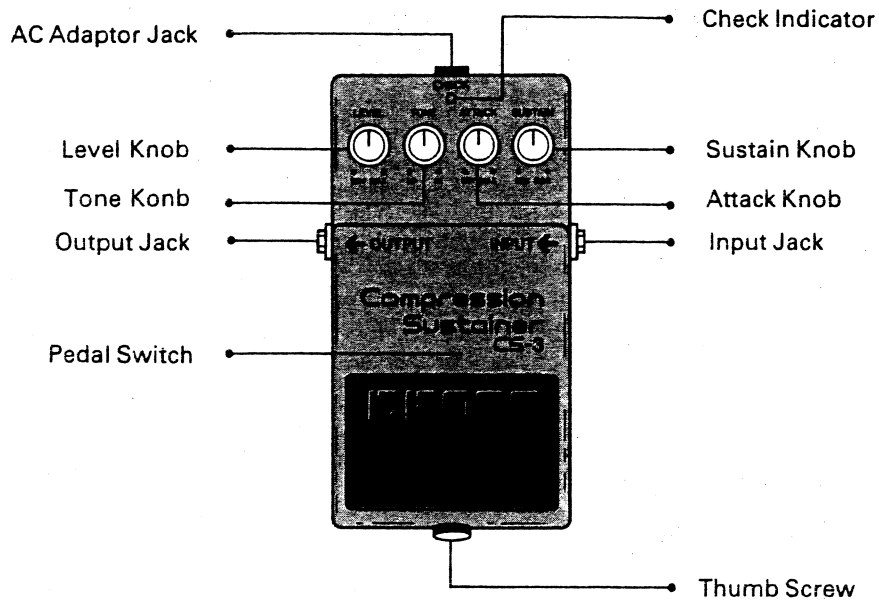
INSTRUCTIONS

Please read the instructions carefully.

The BOSS CS-3 is a compression sustainer that produces long sustain without distorting the original sounds. The attack volume adjusts picking forth widely and provides any drive-sound. As having the tone control function, the CS-3 allows wider variation of sound creation. Moreover, featuring the wide range of maximum input level and compression range, it can be used for any electronic musical instrument. In addition, the CS-3 can be used as an ordinary limiter by turning down the sustain volume.



PANEL DESCRIPTION



Level Knob

This knob changes the volume of the effect sound. Rotating it clockwise increases the volume and counterclockwise decreases. Therefore, this knob can be effectively used to adjust volume balance of the effect and direct sounds.

Tone Control

Rotating this knob clockwise emphasizes the higher frequency making sharper sounds. Counterclockwise rotation cuts the higher frequency making softer sounds.

Attack Knob

This adjusts the intensity of the attack in the picking. At its clockwise position, the attack sound is retained in each note even in fast picking, creating drive sound.

Sustain Knob

This knob adjusts the sustain time. Rotating this knob clockwise increases the sustain time. By rotating it counterclockwise, the output level is limited, therefore the CS-3 works as a limiter.

Check Indicator

This serves as an effect ON/OFF indicator as well as battery check. This lights up when the effect is turned on and goes out when off.

Pedal Switch

Push this pedal to turn the effect on (LED on), and push it again to turn the effect off (LED off).

* The FET Switching system amazingly reduces click noise, so that studio recording and live performance will now be even more successfully achieved.

AC Adaptor Jack

Connect an AC adaptor (BOSS PSA-Series) to this jack for AC operation.

Input Jack

This is to connect an electric guitar, or other electronic musical instrument.

Plugging the power cord into this jack turns the power to the CS-3 on. So please disconnect the cord when the unit is not to be used.

Output Jack

Connect this jack to the external device such as amplifier.

Thumb Screw

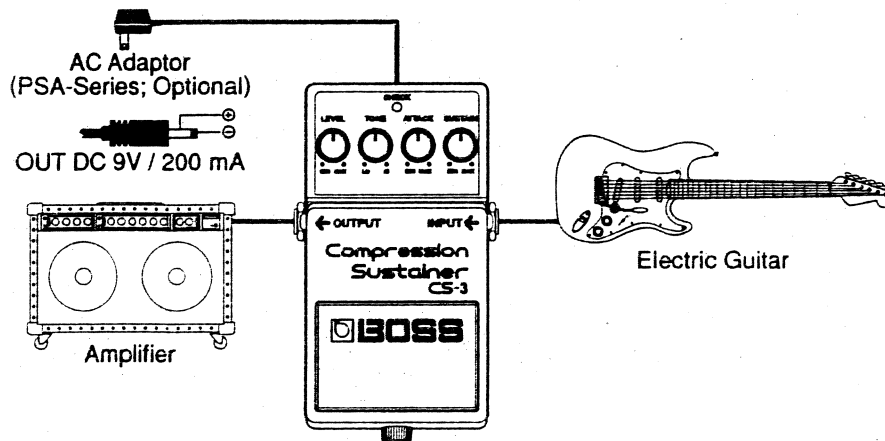
Loosen this thumb screw to open the pedal cover for battery replacement. Please do not remove the screw from the pedal cover, or you may lose it.

IMPORTANT

- When operating the CS-3 from the AC line, use the BOSS AC Adaptor (PSA-Series).
- Avoid using the CS-3 in extreme heat, humidity or where it may be affected by dust.

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" on a different paper.

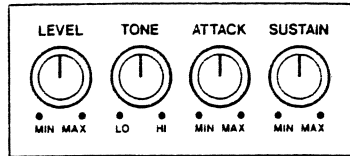
CONNECTION

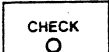


Unplug the power cable when the CS-3 is not to be used.



OPERATION

- 1 After making all the connections, set the panel as shown left.



- 2  Press the Pedal Switch. If the indicator lights up, the effect is on, and if not, the effect is off.


* This indicator also serves as battery check. If it becomes dimmer or does not light at all, battery replacement is required.

- 3   Rotate the Sustain Knob to an appropriate position.


* As you turn the Sustain Knob clockwise, you may hear noise or howling. If so, rotate it slightly counterclockwise.

Using the CS-3
as a Compressor


Using the CS-3
as a Limiter

- 4  Press the Pedal Switch to turn the effect on (LED on), and adjust the volume of the effect sound using the Level Knob.

MIN MAX

- 5  Adjust the intensity of the attack with the Attack Knob.

MIN MAX

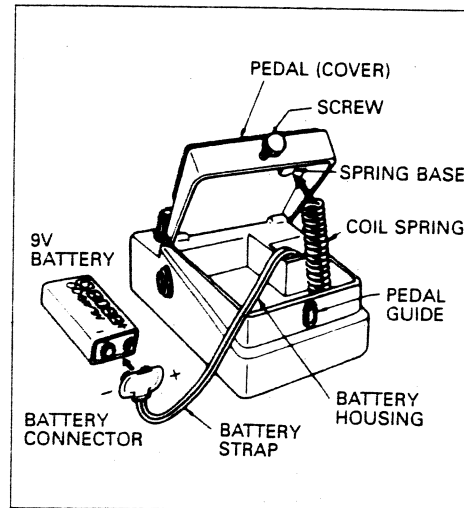
- 6  Control the tone of the sound with the Tone Control Knob.

LO HI

CAUTIONS FOR REPLACING AND HANDLING BATTERY

REPLACING BATTERY USE ONE 9-VOLT BATTERY.

- 1 Loosen the screw to open the pedal and take out the battery from the battery housing.
- 2 Replace the battery with a new one.
- 3 Set the coil spring onto the spring base on the back of the pedal and shut the pedal. Finally, insert the screw into the pedal guide and tighten it.
At this time, be careful not to catch the battery strap in the cover or coil spring.



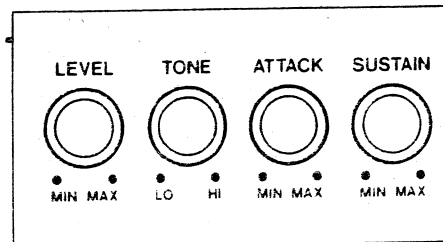
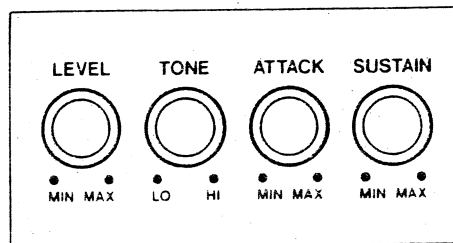
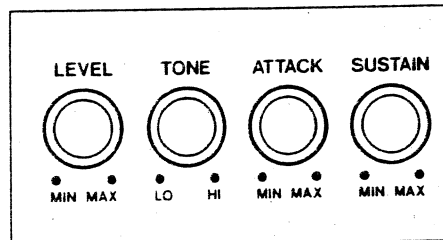
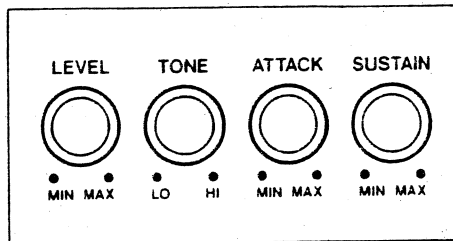
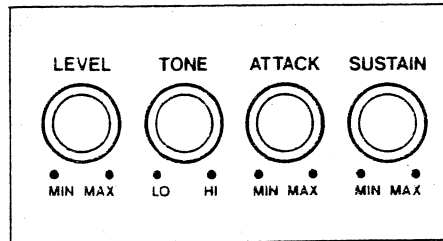
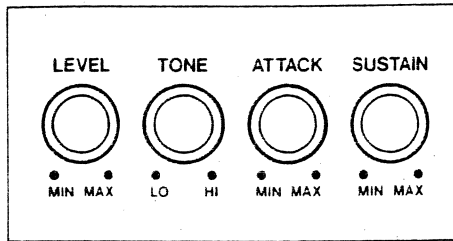
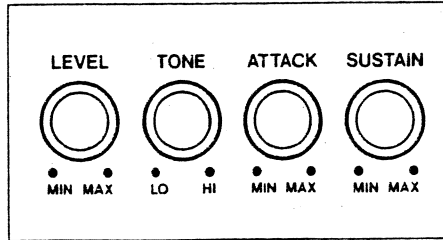
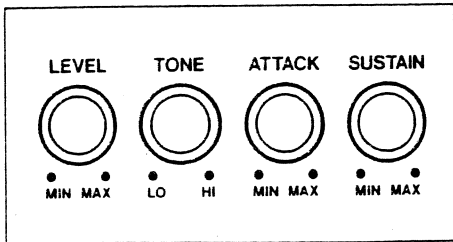
CAUTION

- * Inserting a plug into the INPUT Jack will automatically switch the unit on.
- * To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.
- * If there are batteries in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout or power cord disconnection).
- * Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.
When powering up: Turn on the power to your guitar amp last.
When powering down: Turn off the power to your guitar amp first.
- * Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.
- * When operating on battery power only, the unit's indicator will become dim when battery power gets too low. Replace the battery as soon as possible.
- * The CHECK indicator shows whether the effect is being applied or not. It does not indicate whether the power to the device is on or not.



For EU Countries
This product complies with the requirements of
European Directive 89/336/EEC.

SETTING MEMO



SPECIFICATIONS

Nominal Input Level	-20 dBu
Input Impedance	1 M Ω
Nominal Output Level	-20 dBu
Output Impedance	1 k Ω
Equivalent Input Noise Level	-110 dBu (IHF-A Weighted, Typ.)
Compression Range	38 dB
Controls	Pedal Switch, LEVEL Knob, TONE Knob, ATTACK Knob, SUSTAIN Knob
Indicator	CHECK Indicator (Serves also as battery check indicator)
Connectors	INPUT Jack, OUTPUT Jack, AC Adaptor Jack (DC 9 V)
Power Supply	DC 9 V: Dry Battery (6F22/ 9 V), AC Adaptor (PSA Series: Optional)
Current Draw	11 mA (DC 9 V)
	* Expected battery life under continuous use: Carbon: 24 hours
	<i>These figures will vary depending on the actual conditions of use.</i>
Dimensions	73 (W) x 129 (D) x 59 (H) mm 2-7/8 (W) x 5-1/8 (D) x 2-3/8 (H) inches
Weight	400 g/ 15 oz (including battery)
Accessories	Owner's Manual, Dry Battery; 6F22/ 9 V(Carbon), Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information")
Option	AC Adaptor PSA-Series

* 0 dBu = 0.775 Vrms

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

 **BOSS**[®]

G601721302 2003-7-D3-2Y **BOSS Corporation**

 Roland®

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