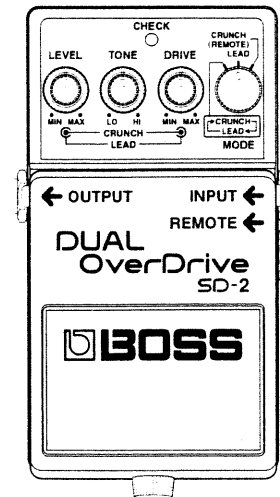


BOSS SD-2 DUAL OverDrive

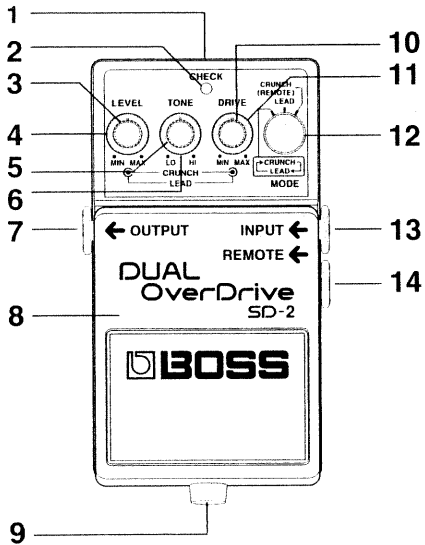
Instructions

Thank you for purchasing the BOSS SD-2 DUAL OverDrive. To make the best use of the unit, please read the instructions carefully.

- Despite its compact size, this effect unit is capable of storing separate settings for backing as well as solo setups. This is possible thanks to the fact that it is equipped with two completely independent overdrive circuits.
- A natural-sounding overdrive continues to be produced without any loss in its quality, even if you turn down the volume on your guitar.
- You can simultaneously switch between Crunch/Lead and turn ON/OFF the effect after connecting an optionally available foot switch (such as the FS-5L) to the Remote jack.
- A two-color LED makes it easy to tell at a glance whether Crunch or Lead is selected.



PANEL DESCRIPTION



1 AC Adaptor Jack

Connect an AC adaptor (BOSS PSA-120, 220 or 240 depending on the line voltage system in your country) to this jack.

- An AC adaptor allows long and secure operation without worrying about battery life.
- Be sure to use a BOSS PSA-120, 220 or 240 adaptor. Use of any other adaptor may damage the device.

2 Check Indicator

Lights up when the effect is ON, allowing you to confirm whether the effect is ON or OFF, and to check which mode you are in.

- When Crunch is on, the indicator lights in GREEN; when Lead is on it will be RED.
- This indicator also serves as the Battery Check indicator. You will know when the battery has worn down and needs to be replaced whenever this indicator goes dim or no longer lights.

3 Effect Level Knob (Crunch)

4 Effect Level Knob (Lead)



Used to adjust the volume level of the sound while the effect is applied. Should be adjusted so there is no noticeable difference between the times when the effect

is applied and when the sound is normal.

- With this knob turned all the way to the left, no sound will be output.

5 Tone Knob (Crunch)

6 Tone Knob (Lead)

Allow the tone to be adjusted. When turned the way to the right (), the higher frequency portions will be more pronounced. To cut the higher frequency portions, turn it the way to the left ().

7 Output Jack

The output from this jack can be connected to your amp or to another effects device.

8 Pedal Switch

Used to switch effects ON or OFF.

It functions differently depending on the mode, as follows:

CRUNCH/LEAD The pedal acts as a toggle, switching you to either CRUNCH or LEAD each time it is stepped on.

LEAD..... The pedal switches LEAD either ON or OFF each

time it is stepped on.

CRUNCH (REMOTE)..... The pedal switches CRUNCH either ON or OFF each time it is stepped on.


- When in this mode, you can use this unit's pedal to turn ON/OFF the effect while at the same time be able to switch between Crunch/Lead using another foot switch (optionally available FS-5L, or the like) that you connect.

9 Thumb screw

Loosen the screw to open the cover for battery replacement. For a detailed explanation, see "BATTERY REPLACEMENT"

10 Drive Knob (Crunch)

11 Drive Knob (Lead)

Used to adjust the depth of the distortion. The distortion depth is increased (and sustains will be lengthened) as you move the knob to the right ().

- Oscillation could be produced if the depth is increased too much.

12 Mode Knob

Allows you to select the function you wish your SD-2 to perform.

CRUNCH (REMOTE)..... Provides a sound with a full-bodied distortion that is neat and well-controlled. Ideal for backing.

LEAD Puts out a really stubborn sustained sound, and sounds as if it were coming from an oversized amp.

CRUNCH/LEAD..... The pedal switches you to either CRUNCH or LEAD each time it is stepped on.

13 Input Jack

Here is where you need to connect your guitar, or other electric/electronic instrument.

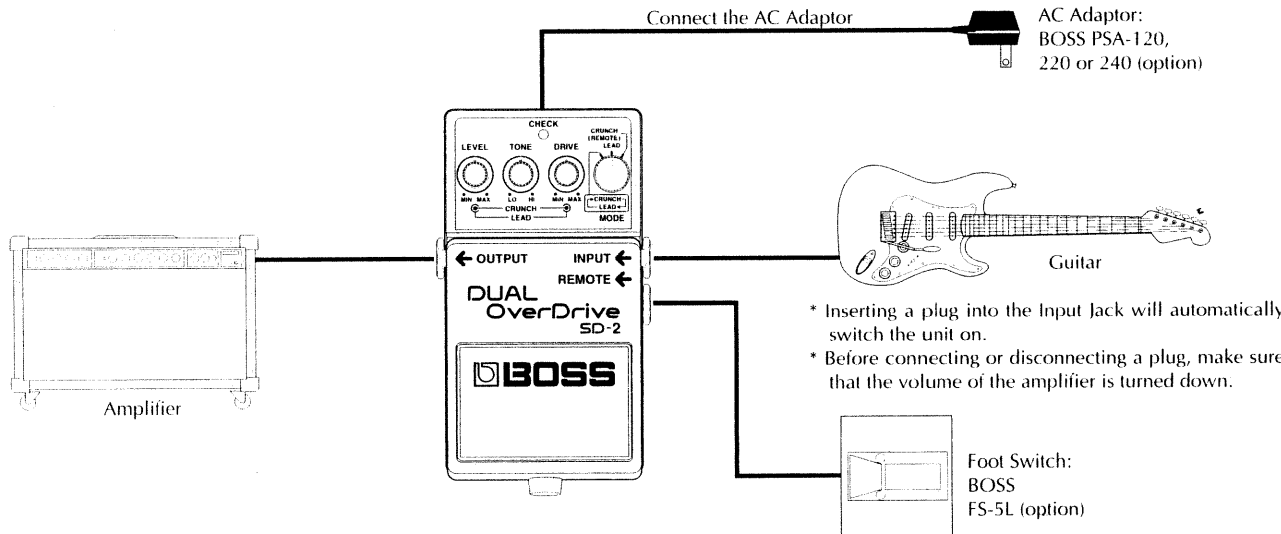
- The Input Jack is equipped with a power switch. Whenever you insert a plug into it, the power is turned ON. Pull the plug out, and the power goes OFF. For this reason, try to make a habit of pulling out the cord going to the Input Jack whenever the pedal is not being used.

14 Remote Jack

Accepts connection of an optionally available foot switch (FS-5L or the like) which you can then depress to switch between Crunch/Lead.

- When wishing to use a foot switch to switch between Crunch/Lead, make sure to set the Mode switch to CRUNCH (REMOTE).

CONNECTIONS



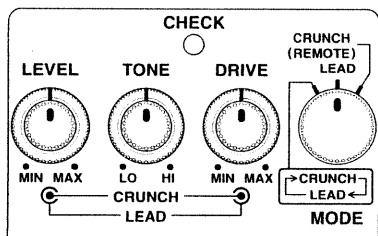
OPERATION

The inner rings of the control knobs (Drive, Tone, and Level) control Crunch, whereas the outer rings affect Lead.

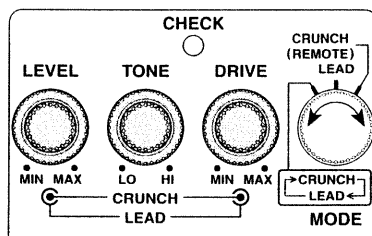
When in the Crunch mode all settings are made using the inner rings. Similarly, when in the Lead mode, the outer rings are used to make all the settings.

- Once you have all the connections made, set the knobs on the panel so they conform to the illustration.

- Before connecting or disconnecting any instrument, make sure that the volume of the amplifier is turned down.



- Make the appropriate setting using the Mode knob (10).



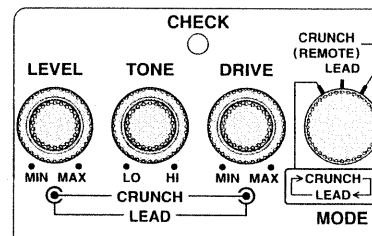
- Step on pedal switch (8) to turn ON the effect.

- Depending on the position of Mode knob (10), the indicator will light as follows:

CRUNCH.....Lights in green.

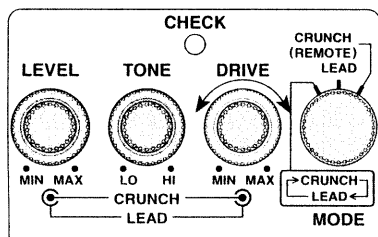
LEAD.....Lights in red.

CRUNCH/LEAD••Each time the pedal is stepped on it switches you to either CRUNCH (lights in green) or LEAD (lights in red).

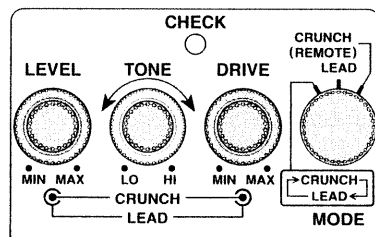


- Use the Drive knob to adjust the depth of the distortion. The distortion depth is increased as you move the knob to the right.

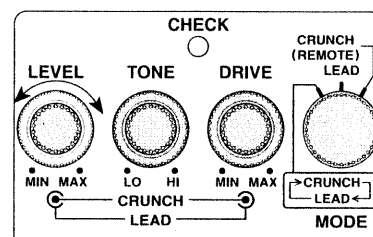
- Oscillation could be produced if the depth is increased too much.



- Adjust the Tone knob until you have the tone you desire.



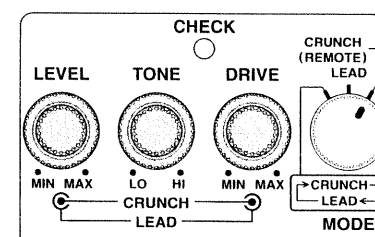
- Adjust the Level Knob (3) so there is no noticeable difference between the times when the effect is applied and when the sound is normal. (Adjust the balance between Crunch and Lead.)



Using the Remote Jack

An optionally available foot switch (FS-5L or the like) can be connected to the Remote jack.

Set the Mode switch (12) to CRUNCH (REMOTE).



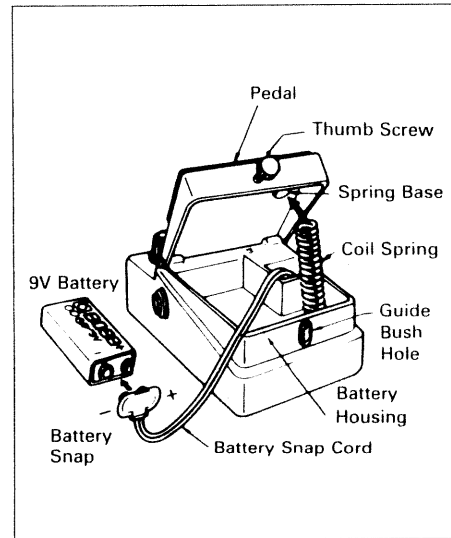
Switch modes, and repeat steps 2 through 6.

Turn ON the effect by stepping on the SD-2's pedal, then use the foot switch connected to the Remote jack to switch between Crunch/Lead. Adjust the settings for both Crunch and Lead by following steps 4 through 6.

BATTERY REPLACEMENT

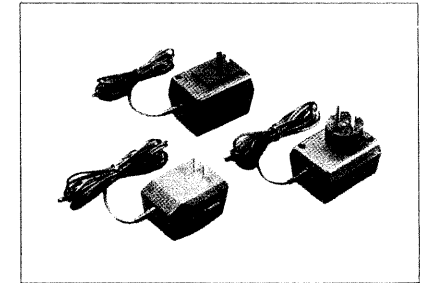
- (1) Loosen the thumb screw on the pedal to open it.
- (2) Take out the battery from the battery housing and disconnect the battery snap.
- (3) Connect a new battery to the battery snap, then replace the battery in to the battery housing.
 - * *Make sure that the polarity of the battery is correct.*
- (4) Push the coil spring into the spring base on the rear of the pedal, then close the pedal.
 - * *Make sure that the snap cord is not caught in the pedal or coil spring.*
- (5) Insert the thumb screw into the guide bush hole and firmly tighten the screw.

The type of battery to use is: 006/9 V (one).



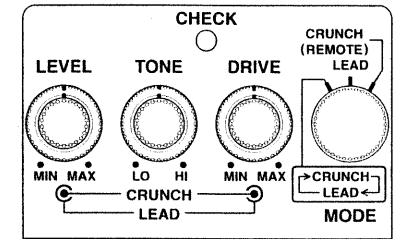
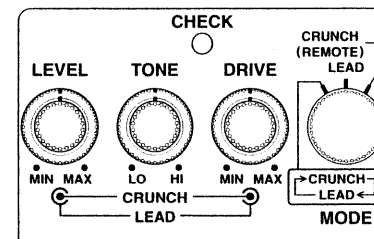
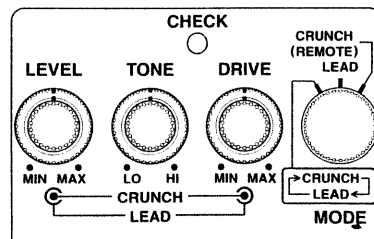
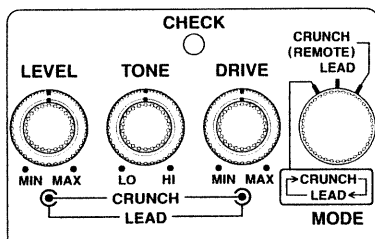
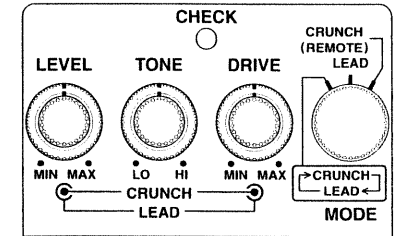
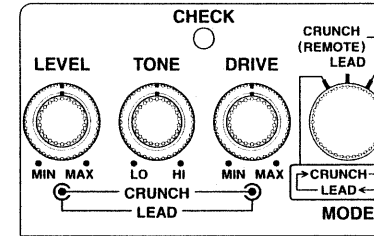
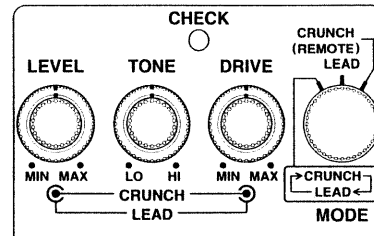
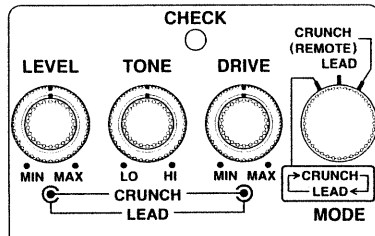
IMPORTANT NOTES

- Do not subject the unit to temperature extremes (eg. direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas or areas that are subject to high vibration levels.
- Remove the battery whenever the unit is not going to be used for an extended period of time.
- When operating solely on a battery, the unit's indicator becomes dim when the battery is depleted. Replace the battery immediately.
- If there is a battery in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout) or the power cord become disconnected.
- Should a malfunction occur (or if you suspect there is a problem) discontinue use immediately. Contact qualified service personnel as soon as possible.



● OUT: 9VDC / 200mA

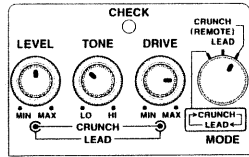
SETTING MEMO



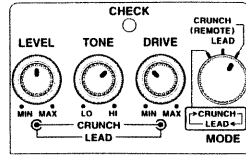
SAMPLE SETTINGS

(Crunch Mode)

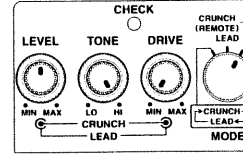
An orthodox overdrive sound.
By adjusting the volume control on the guitar, you can obtain a minimally distorted, clean sound.



A crunch sound that allows you to get the most out of chords while employing cutting.

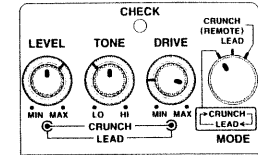


A clean crunch sound.



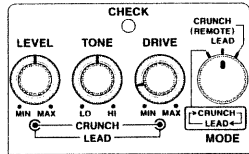
(Crunch/Lead Mode)

A hard sound good for backing (Crunch) and a mellow lead-use sound (Lead).

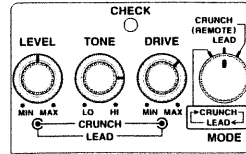


(Lead Mode)

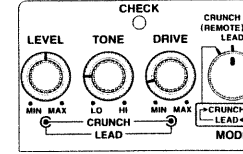
A hard, full-bodied overdrive sound.



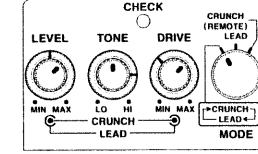
A metallic sound suitable for heavy backing and solos.



A fat overdrive sound that can be made to spread and grow.



A wide variety of settings can be made depending on your intentions whether you need a sound that backs the vocals (Crunch) or one that works well with solos or fills (Lead).



SPECIFICATIONS

Controls : Pedal Switch, Mode Selector Switch, Drive(Crunch, Lead), Tone(Crunch, Lead), Level(Crunch, Lead)

Indicator : Check Indicator(Serves also as battery check indicator)

Jacks : Input, Output, Remote, AC Adaptor

Input Impedance : 1 M Ω

Output Impedance : 1 k Ω

Recommended Load Impedance : 10k Ω or greater

Equivalent Input Noise : -110dBm(Crunch), -120dBm(Lead) (IHF-A, Typ.)

Power Supply : DC9V; battery (9V), AC Adaptor (PSA Series : Option)

Current Draw : 21mA (DC9V)

Dimensions : 70 (W) x 125 (D) x 55 (H) mm / 2-3/4" x 4-15/16" x 2-3/16"

Weight : 420g / 15 oz (including battery)

Accessories : Instructions, Battery S-006P/9V (6F22/9V) x 1

Options : AC Adaptor PSA-120, PSA-220, PSA-240, Battery S-006P/9V, 6AM6/9V (Alkaline), FS-5L

The specifications for this product are subject to change without prior notice.

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