

# **BOSS**

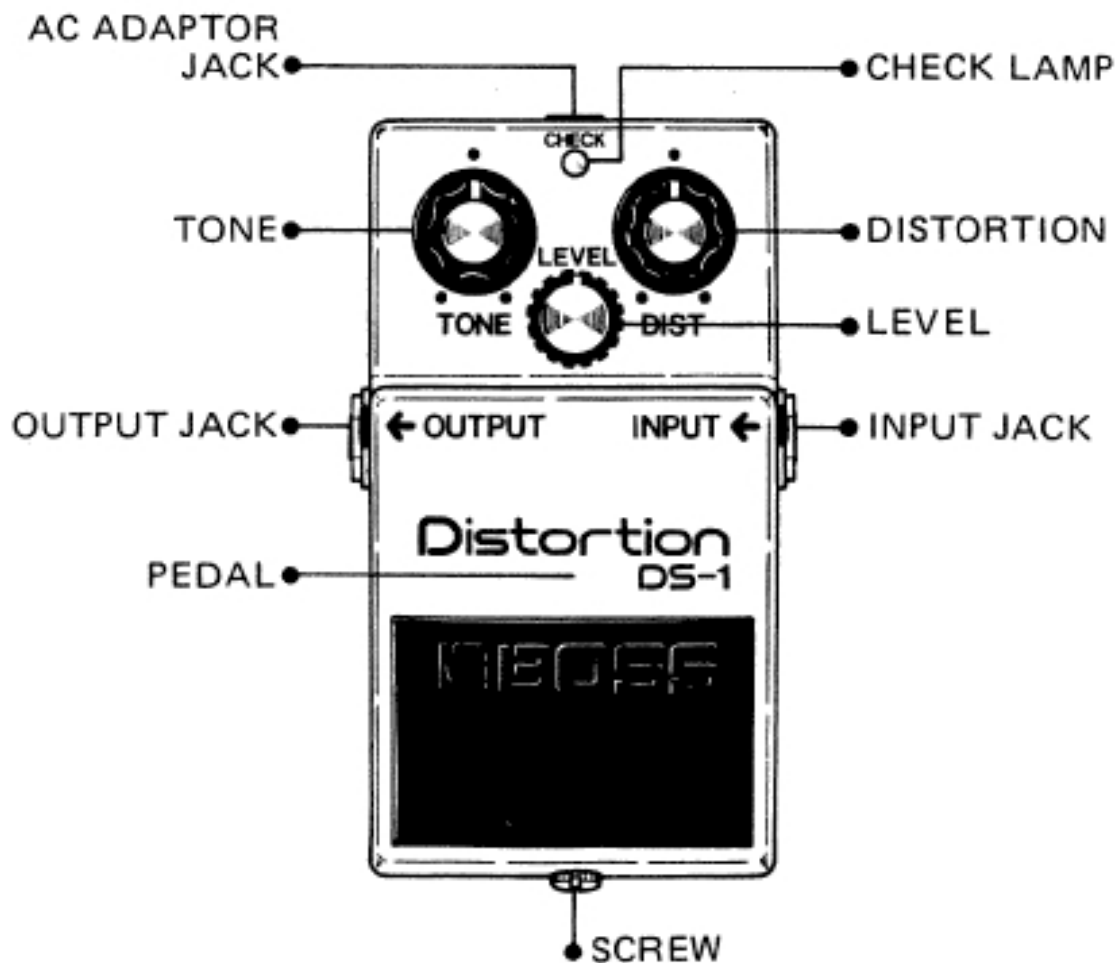
## **DS-1** Distortion **INSTRUCTIONS**



- Please read these instructions carefully for proper operating procedures for the BOSS DS-1.

BOSS Distortion DS-1 is an up-to-date unit provided with distortion control knob that simultaneously controls sustain time, and also tone control. It produces a wide variety of distortion sound from mellow to intense, hard distortion.

## NAME AND FUNCTIONS



## **DISTORTION**

This knob controls sustain time as well as distortion depth. When turned clockwise (↻), distortion becomes deeper and sustain time longer. And when turned counterclockwise (↺), distortion becomes weaker and sustain time shorter.

## **TONE**

This knob controls tone. When turned clockwise (↻) highs are boosted to give crisp tone, and when turned counterclockwise (↺) lows are boosted to give soft tone.

## **LEVEL**

This knob functions to compensate for the level difference between Normal and Effect settings. Turning clockwise (↻) increases volume of Effect mode and counterclockwise (↺), decreases.

## **INPUT JACK**

This input jack receives output from electric guitar and other electronic instruments.

## **OUTPUT JACK**

This jack feeds signal to amplifier.

## **AC ADAPTOR JACK**

DS-1 operates both from self-contained battery (9V) and from AC line. Connect a BOSS AC Adaptor (DC9V) to this jack, and the battery is disconnected from the circuit, guaranteeing stable longtime performance.

## **PEDAL SWITCH**

This is a changeover switch for Normal or Effect. By use of **FET ELECTRONIC SWITCH**, first in these kinds of small size effect units, pop noise is perfectly eliminated and DS-1 can be satisfactorily employed even in studio recording.

## **CHECK LAMP**

While pedal is trod down, this lamp lights if battery is normal. Thus this lamp lets you confirm the changeover between Effect and Normal modes, and also battery state.

If the indicator fails to light, replace the battery with a new one.

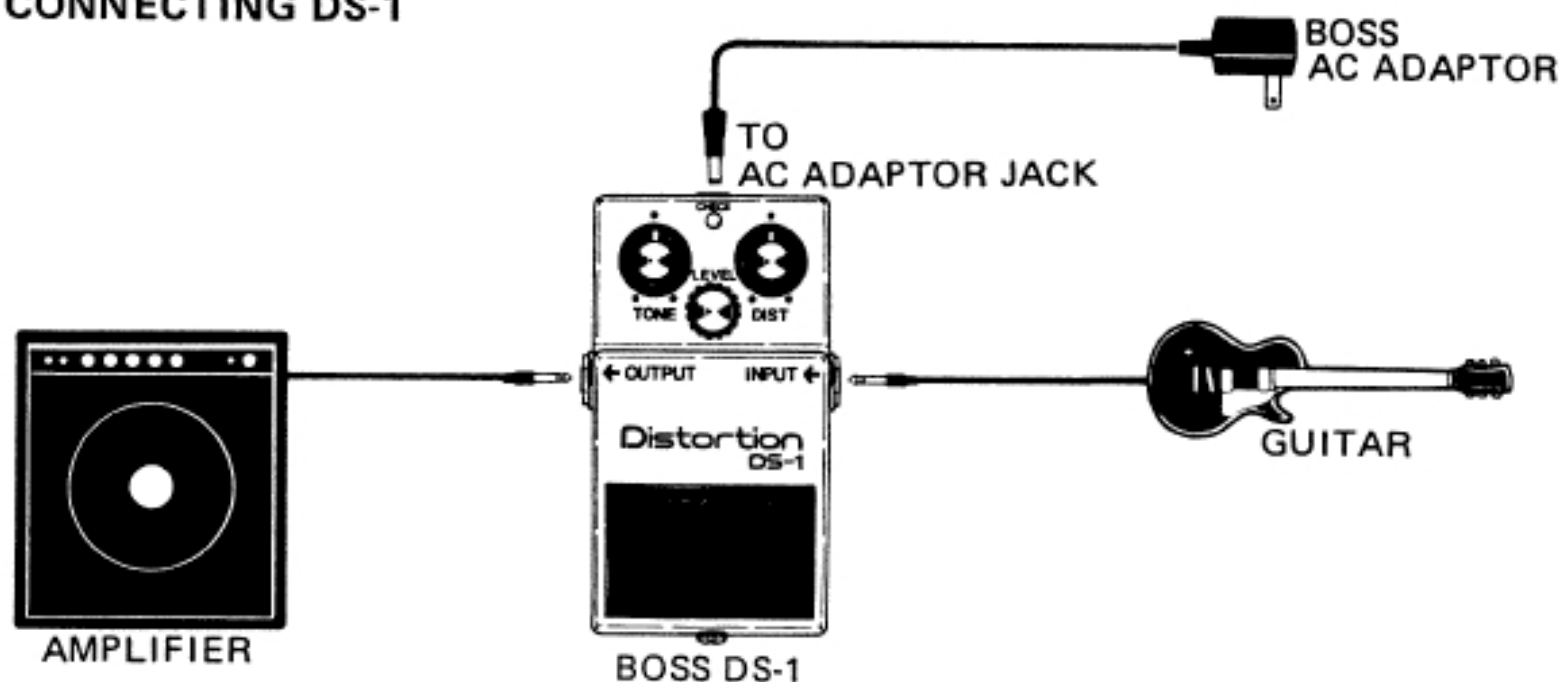
## **SCREW**

When replacing battery, loosen this screw to open the case. Do not remove off the screw from the pedal. If you do, be careful not to lose it.

## BEFORE USING DS-1

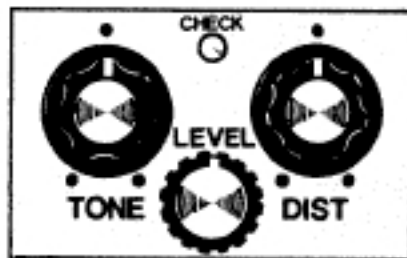
- When operating DS-1 from AC line, use BOSS AC Adaptor for DS-1.
- Avoid using DS-1 at very dusty location or under high temperature or humidity conditions.

## CONNECTING DS-1



## OPERATING DS-1

1



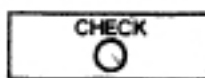
After connecting all cords required, set all knobs on the panel as illustrated.

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Tread the pedal to check battery. If check lamp lights, battery is live.

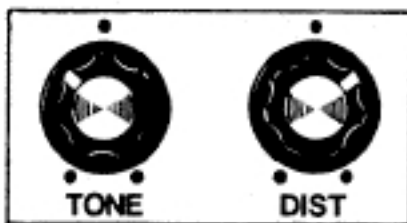
\* If lamp does not light, it means dead battery, replace it with a new battery.

3



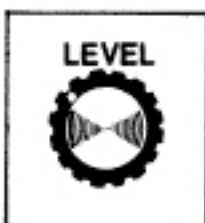
Tread pedal to set the unit in the state that sound is effected.

4



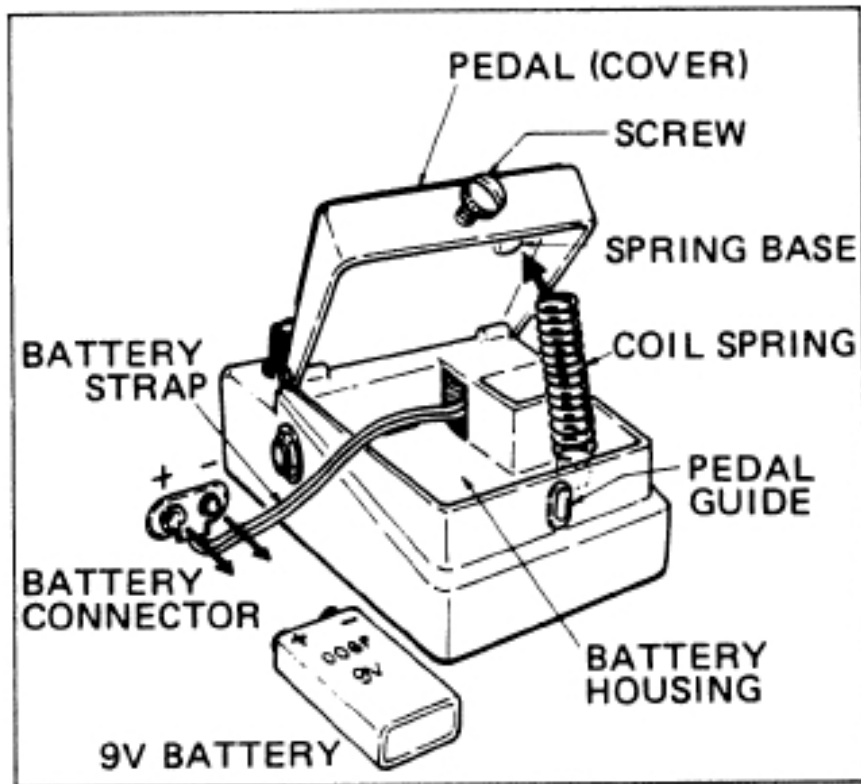
Turn Distortion and Tone knobs to proper positions.

5



While switching pedal ON and OFF, turn Level knob to proper position where no volume difference between Normal and Effect modes is noticed.

## CAUTIONS FOR REPLACING AND HANDLING BATTERY



### REPLACING BATTERY USE ONE 9-VOLT BATTERY.

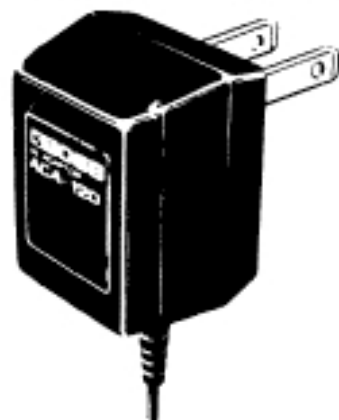
- ① Loosen the screw of pedal to open it and take out battery from its housing.
- ② Replace the battery by a fresh one and put it into position.
- ③ Set coil spring onto the projection on the rear of the pedal and shut the cover (pedal). Finally, insert the screw into the pedal guide and tighten it.  
At this time, be careful not to catch the battery strap in the cover or coil spring.

## CAUTIONS

- When you don't use for a long period, remove the battery to prevent current leakage and leaking out of sticky substance.
- If battery voltage drops, effect becomes inferior or no sound is produced. To prevent that, replace the battery a little earlier.
- Be sure to keep the battery snapped by connector into the housing, when using AC adaptor, too.
  - \* Even if AC Adaptor cord comes out during performance, operation immediately changes to battery, causing no trouble in continued performance.
- Power is switched on while a plug is put into input jack. When you do not use, keep the plug off the jack.

## AC ADAPTOR (OPTION)

When you operate DS-1 from AC line, use AC Adaptor (DC9V) for DS-1.



BOSS ACA-120  
FOR 117V AC



BOSS ACA-240  
FOR 240V AC



BOSS ACA-220  
FOR 220V AC

## SPECIFICATIONS

Power . . . . .	Battery DC9V (1) AC Adaptor
Current draw . . . . .	DC9V, 4mA
Control . . . . .	Distortion, Tone, Level
Others . . . . .	Normal/Effect Changeover Switch, Battery Check Lamp (also for confirmation of Normal/Effect changeover)
Jack . . . . .	Input, Output, AC Adaptor
Input impedance . . . . .	220K $\Omega$
Output load impedance . . . . .	Over 10K $\Omega$
Dimensions . . . . .	70(W) x 55(H) x 125(D)mm
Weight . . . . .	400g

\* Specifications are subject to change without notice.

 **BOSS**

Products of Roland

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