

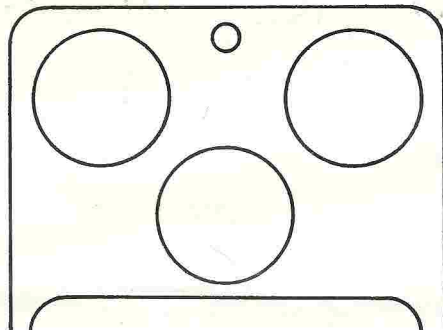
## ■NOTES

- Unplug the instrument when not in use.
- When storing the unit for long periods of time, disconnect the battery.
- You will hear some loss of level and distortion when the battery begins to run down.
- When using external power source, we recommend you use Ibanez AC adaptor AC-118.
- Do not remove the screws on bottom.

## ■SPECIFICATIONS

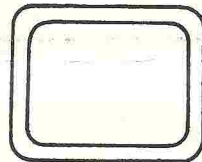
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|--------------------------|---------------------------------------------------------|
| ● Input Impedance        | 500K ohms                                               |
| ● Output Impedance       | 10K ohms                                                |
| ● Maximum Input level    | +4 dBm                                                  |
| ● Gain                   | 0 dB                                                    |
| ● Delay Time             | 2.56 – 12.8m sec                                        |
| ● Speed Range            | 0.06 – 13 Hz                                            |
| ● Equivalent Input Noise | -100 dBm (IHF-A)                                        |
| ● Power Supply           | Two 9 Volt Batteries<br>or external AC adaptor (AC-118) |
| ● Size                   | 125mm, 4.9" (D) x 70mm, 2.8"<br>(W) x 52mm, 2" (H)      |
| ● Weight                 | 590 g, 1.3 lbs                                          |

# OWNERS MANUAL



# FLANGER

## FL-301

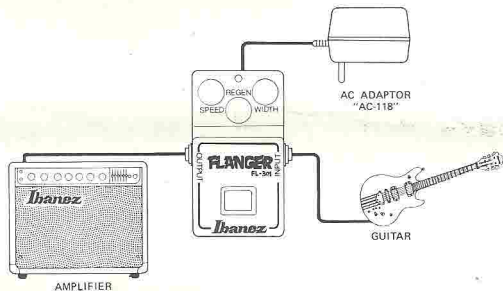


*Ibanez*

## ■ FEATURES

- High quality effect with good function is at the top level. Can't believe it is a compact effect!
- Adapted low noise BBD in delay circuit. It gains noiseless clear sound.
- Continuous status flanging effects can be gained through complete electric source circuit with batter itself only.
- FET electronic switching provides clickless, popfree switching. (Q-1 "Quiet One" switch)
- Battery can be changed without tools.
- LED indicator shows status of effect and battery condition.
- When using the unit for long periods of time, you can use external AC power by connecting the adaptor to the EXT. POWER jack.
- Zinc die cast construction and rugged rubber stopper assures durability.

## ■ OPERATION



- ① Connect the input jack to your instrument. The circuit is automatically turned on when a plug is inserted.
- ② SPEED — Varies sweep rate.
- ③ WIDTH — Controls amount of sweep deviation.
- ④ REGEN — Adds overall coloration and depth.
- ⑤ Soft touch FET electronic switch changes EFFECT/NORMAL.
- ⑥ LED indicator comes on when effect is on. If it is dim or does not light, replace the battery.
- ⑦ EXT D.C. — When using external D.C. supply, internal batteries are switched off.

## ■ CHANGING THE BATTERY

- ① Push the tab marked "OPEN" and lift up.
- ② Replace the battery as shown in figure 2.
- ③ Put the battery cover into the groove and push to the end.

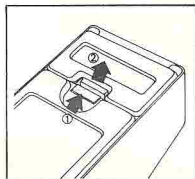


Fig. 1

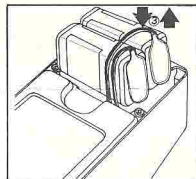


Fig. 2

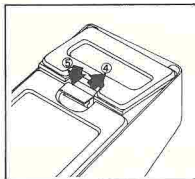


Fig. 3