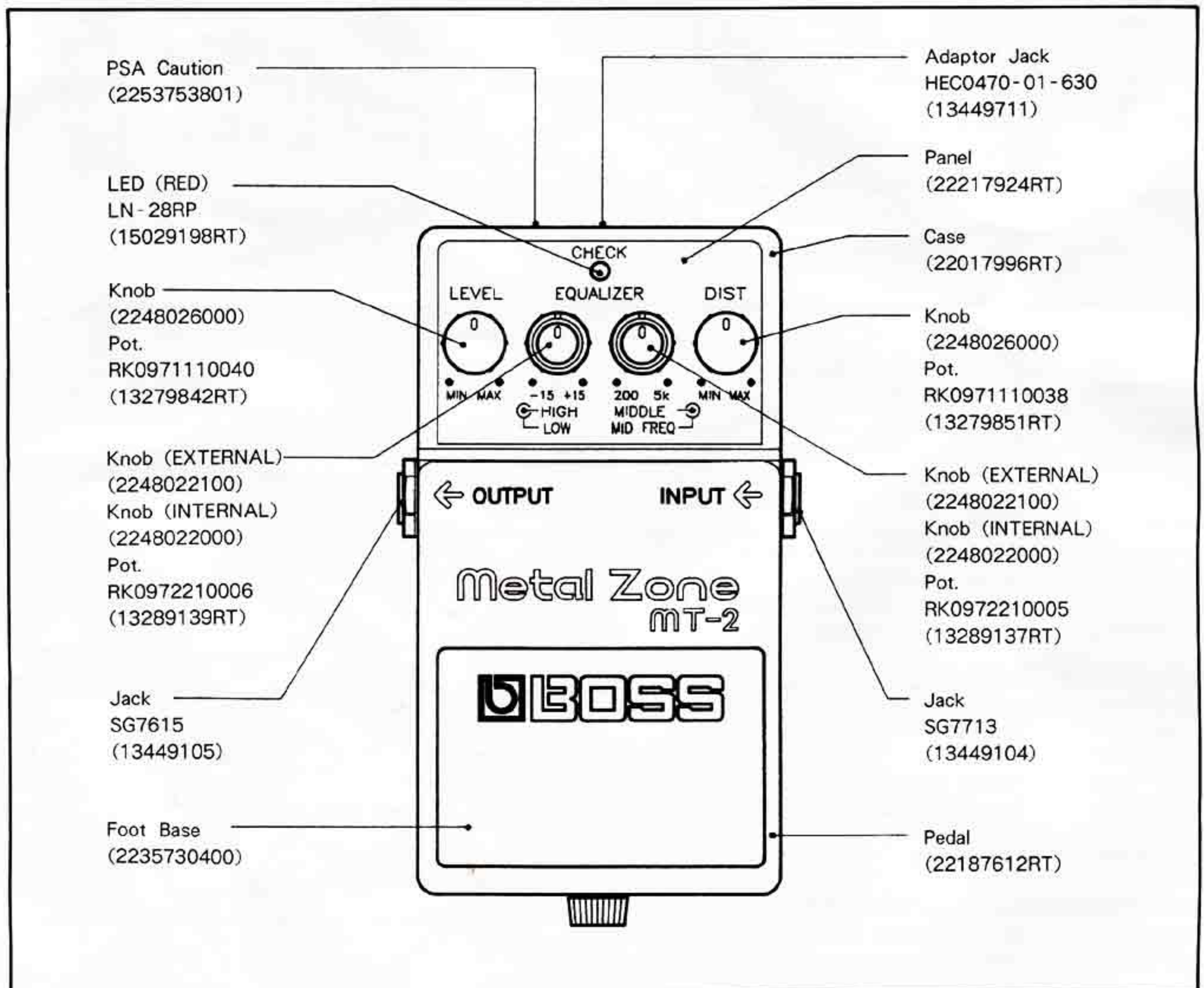


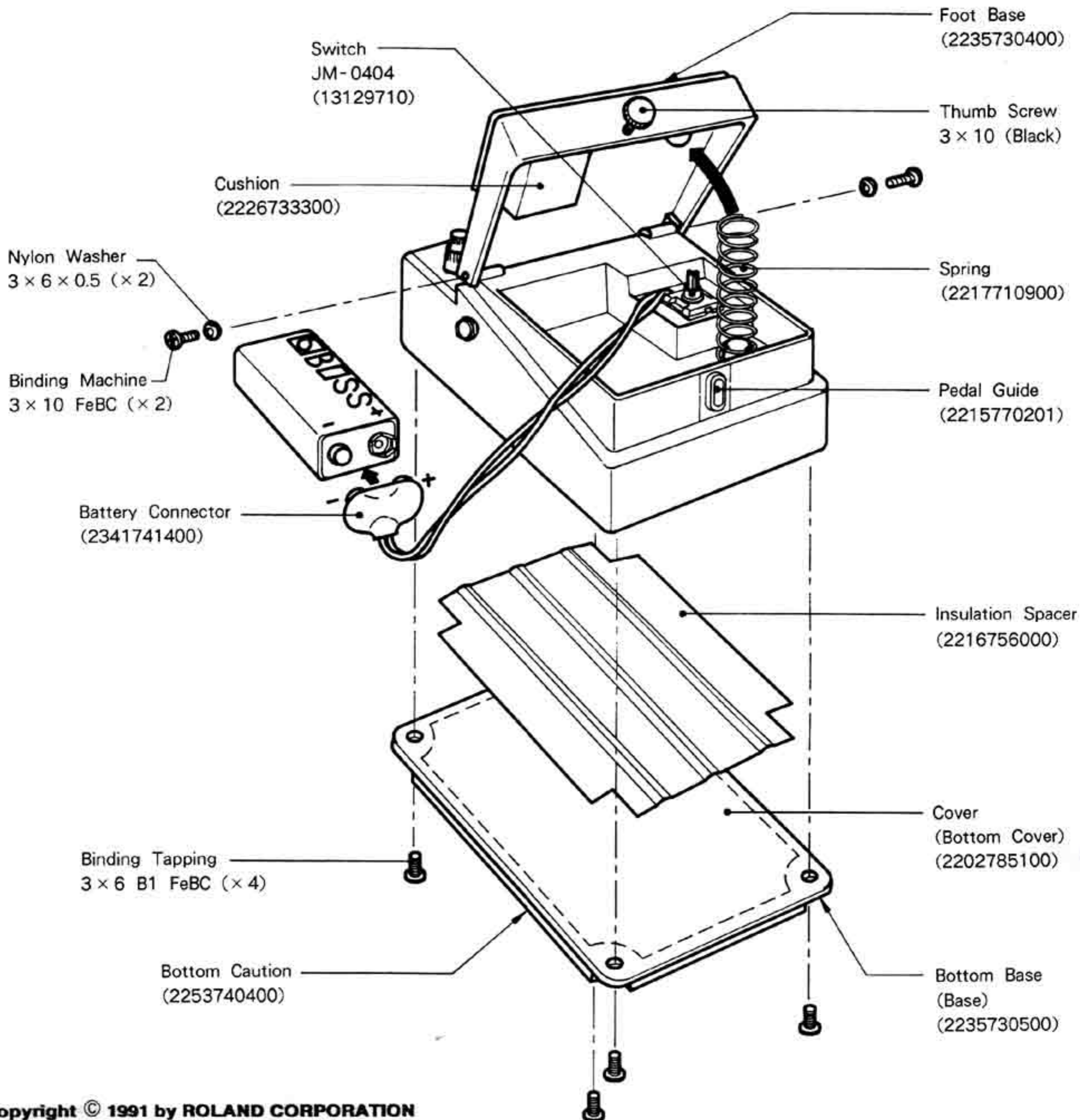
**SPECIFICATIONS / 仕様**

scanned by [the reverse engineers]

- **Indicator** ..... : Check Indicator (serves also as battery check indicator)
- **Input Impedance** ..... : 1M  $\Omega$
- **Output Impedance** ..... : 1k  $\Omega$
- **Recommended Load Impedance** ..... : 10k  $\Omega$  or greater
- **Input Equivalent Noise** ..... : Less than -110dBm (IHF-A)  
(Equalizer Control knob : center)  
0dBm = 0.775V
- **Power Supply** ..... : DC9V : Dry Battery (9V type),  
AC Adaptor (PSA-Series : option)
- **Current Draw** ..... : 20mA (DC9V)
- **Dimensions** ..... : 70 (W)  $\times$  125 (D)  $\times$  55 (H) mm  
2-3/4" (W)  $\times$  4-15/16" (D)  $\times$  2-3/16" (H)
- **Weight** ..... : 410g/15 oz
- **Accessories** ..... : Dry Battery S-006P/9V (6F22/9V) : PNo.12569103RT ( $\times$  1pc )  
Owner's Manual (English) : PNo.26047477RT  
Owner's Manual (Japanese) : PNo.26047476RT
- **Options** ..... : AC Adaptor ; PSA-100, PSA-120, PSA-220, PSA-240  
Dry Battery ; S-006P/9V (6F22/9V), 6AM6/9V (alkaline)



EXPLODED VIEW / 分解図 scanned by [the reverse engineers]



PARTS LIST / パーツリスト scanned by [the reverse engineers]

**SAFETY PRECAUTIONS:**

The parts marked △ have safety-related characteristics. Use only listed parts for replacement.

安全上の注意:

△が付いている部品は、安全上特別な規格でつくられたものです。交換の際は、指定された部品番号以外の部品は使わないようにして下さい。

**CONSIDERATIONS ON PARTS ORDERING**

When ordering any parts listed in the parts list, please specify the following items in the order sheet.

|     | QTY | PART NUMBER | DESCRIPTION   | MODEL NUMBER |
|-----|-----|-------------|---------------|--------------|
| Ex. | 10  | 22575241    | Sharp key     | C-20/50      |
|     | 15  | 2247017300  | Knob (orange) | DAC-15D      |

Failure to completely fill the above items with correct number and description will result in delayed or even undelivered replacement.

パーツ発注に関するお願い

オーダーシートには、必ず下記の4項目は正確に記入して下さい。(例外は除く)

|    | 必要数 | パーツナンバー    | 品名            | 使用機種    |
|----|-----|------------|---------------|---------|
| 例) | 10  | 22575241   | Sharp key     | C-20/50 |
|    | 15  | 2247017300 | Knob (orange) | DAC-15D |

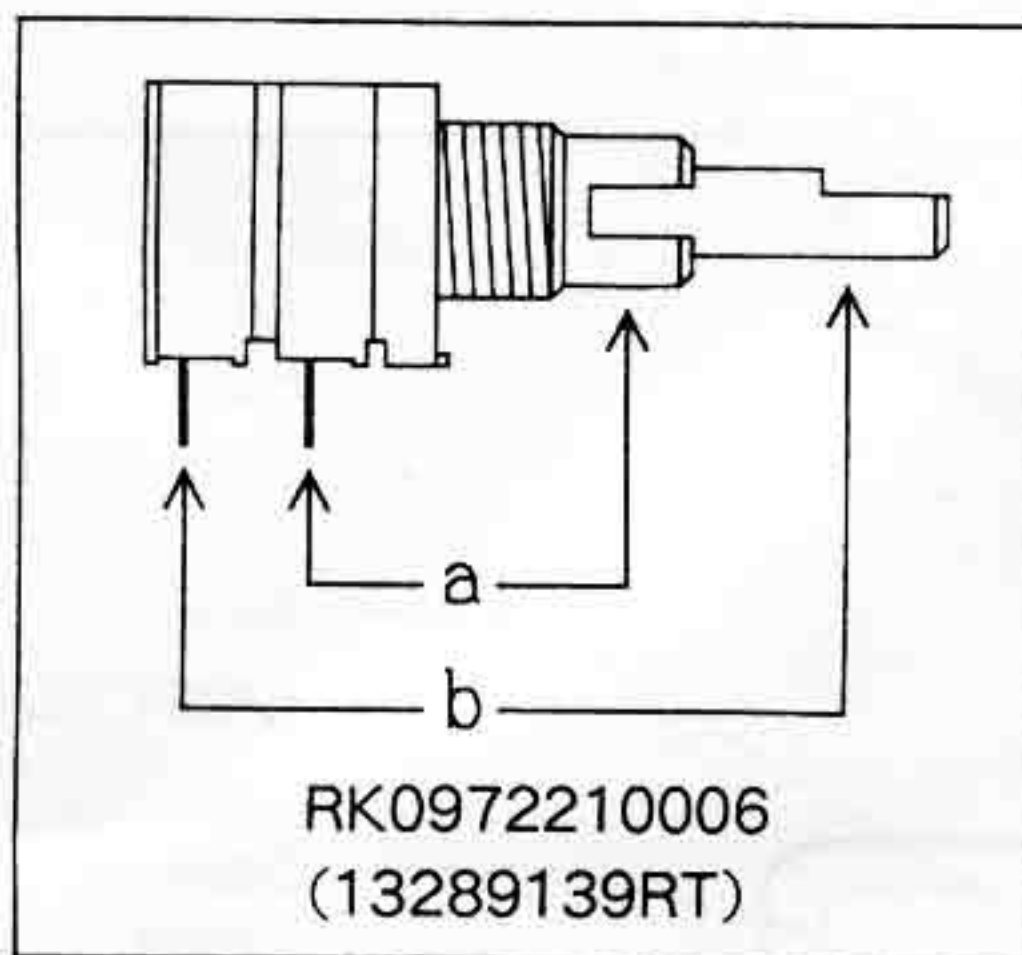
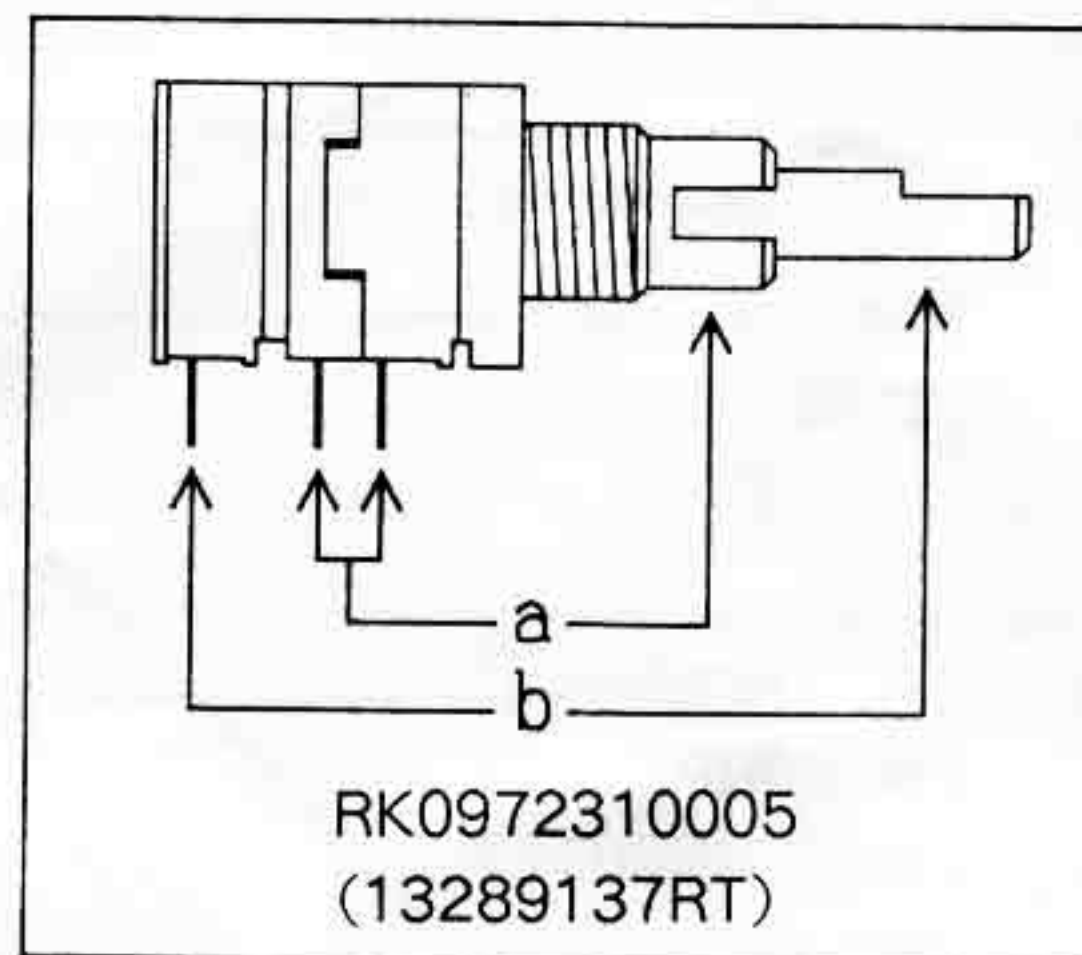
もし記入漏れ、誤記等有る場合、必要部品が発送できなかったり、大幅な遅れの原因になります。御協力をお願いします。

| CASING      | ケース  |           |                            |
|-------------|--|-----------|----------------------------|
| 22017996RT  | Case   |           |                            |
| 22217924RT  | Panel  |           |                            |
| 2202785100  | Cover  |           |                            |
| 2235730500  | Bottom Base                                    |           |                            |
| 22187612RT  | Pedal  |           |                            |
| 2235730400  | Foot Base                                      |           |                            |
| KNOB,BUTTON | ツマミ、ボタン  |           |                            |
| 2248026000  | Knob   |           | DIST,LEVEL                 |
| 2248022000  | Knob (Internal)                                |           | MIDDLE-LEVEL,HIGH-LEVEL    |
| 2248022100  | Knob (External)                                |           | MIDDLE-FREQUENCY,LOW-LEVEL |
| SWITCH      | スイッチ   |           |                            |
| 13129710    | JM-0404  |           | Push Switch                |
| JACK,SOCKET | ジャック、ソケット                                      |           |                            |
| 13449711    | HEC0470-01-630                                 |           | Adaptor Jack               |
| 13449104    | SG7713   |           | INPUT                      |
| 13449105    | SG7615   |           | OUTPUT                     |
| PCB ASSY    | 基板完成品  |           |                            |
| 7527552000  | MT Board Assy (pcb 22930117RT 1/2)             |           |                            |
|             | NOTE : Replacement MT Board includes VR Board. |           |                            |
|             | 注 : 補修用MT基板はVR基板を含みます。                         |           |                            |
|             | VR Board Assy (pcb 22930117RT 2/2)             |           |                            |
| 7527554000  | LED Board Assy (pcb 2291749600)                |           |                            |
| IC          | 集積回路   |           |                            |
| 15189250    | M5218AL  | Op Amp    | IC1,2,3,4                  |
| TRANSISTOR  | トランジスター  |           |                            |
| 1512918     | 2SC3378GR                                      |           |                            |
| or 15129120 | 2SC2240GR                                      |           |                            |
| 15129185    | 2SC2458GR                                      |           |                            |
| 15139131    | 2SK184GR                                       | FET       |                            |
| or 15139106 | 2SK117GR                                       |           |                            |
| 151391160Y  | 2SK118Y  | FET       |                            |
| DIODE       | ダイオード  |           |                            |
| 15019209T0  | S5500G   |           |                            |
| 15019125    | 1SS-133  |           |                            |
| 15019526    | RD5.6EB3                                       | zener     |                            |
| 15029198RT  | LN-28RP  | LED (Red) |                            |

**POTENTIOMETER** 可変抵抗

|            |              |                |          |
|------------|--------------|----------------|----------|
| 13289139RT | RK0972210006 | 100kW + 100kW  | HIGH,LOW |
| 13289137RT | RK0972310005 | 50kCx2 + 100kW | MIDDLE   |
| 13279851RT | RK0971110038 | 250kA          | DIST     |
| 13279842RT | RK0971110040 | 50kA           | LEVEL    |

## MT-2

LOW-LEVEL  
(VR3-a)HIGH-LEVEL  
(VR3-b)RK0972210006  
(13289139RT)MIDDLE-FREQUENCY  
(VR2-a)MIDDLE-LEVEL  
(VR2-b)RK0972310005  
(13289137RT)**WIRING,CABLE** ワイヤリング, ケーブル

23477347RT Flat Cable 13p

**BATTERY** 電池

12569103RT Dry Battery 6F22/S-006P (9V)

**SCREW** ネジ類

\*\*\*\*\* 3x10mm Thumb Screw (Black)  
 \*\*\*\*\* 3x6mm Binding Tapping B1 FeBC  
 \*\*\*\*\* 3x10mm Binding Machine FeBC  
 \*\*\*\*\* Nylon Washer 3x6x0.5

**MISCELLANEOUS** その他

2215770201 Pedal Guide  
 2226733300 Cushion  
 2217710900 Spring  
 2341741400 Battery Connector  
 2216756000 Insulation Spacer  
 2253740400 Bottom Caution  
 2253753801 PSA Caution

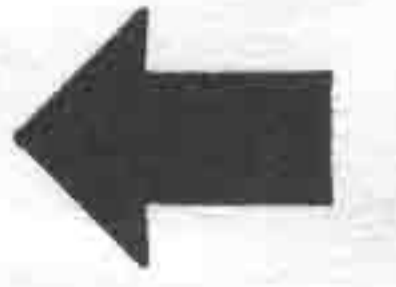
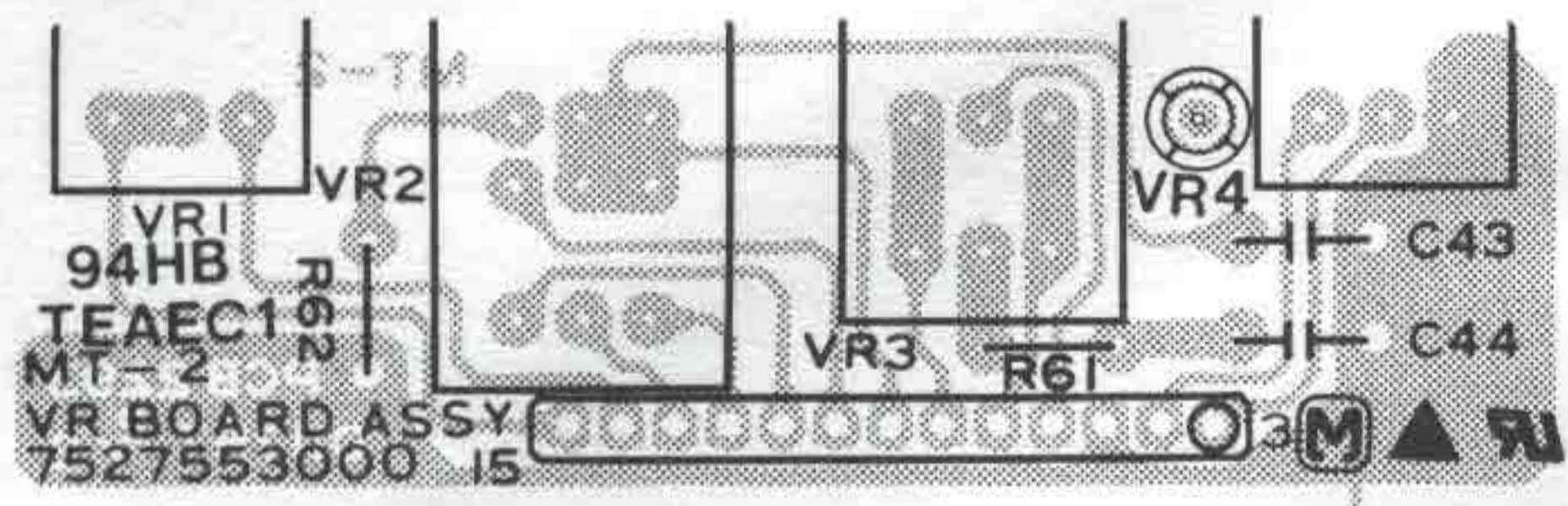
clear large type

**ACCESSORIES(STANDARD)** 付属品 (標準)

26047477RT Owner's Manual (English)  
 26047476RT Owner's Manual (Japanese)

# MT BOARD

Assy 75275252000  
(pcb 22930117RT 1/2)

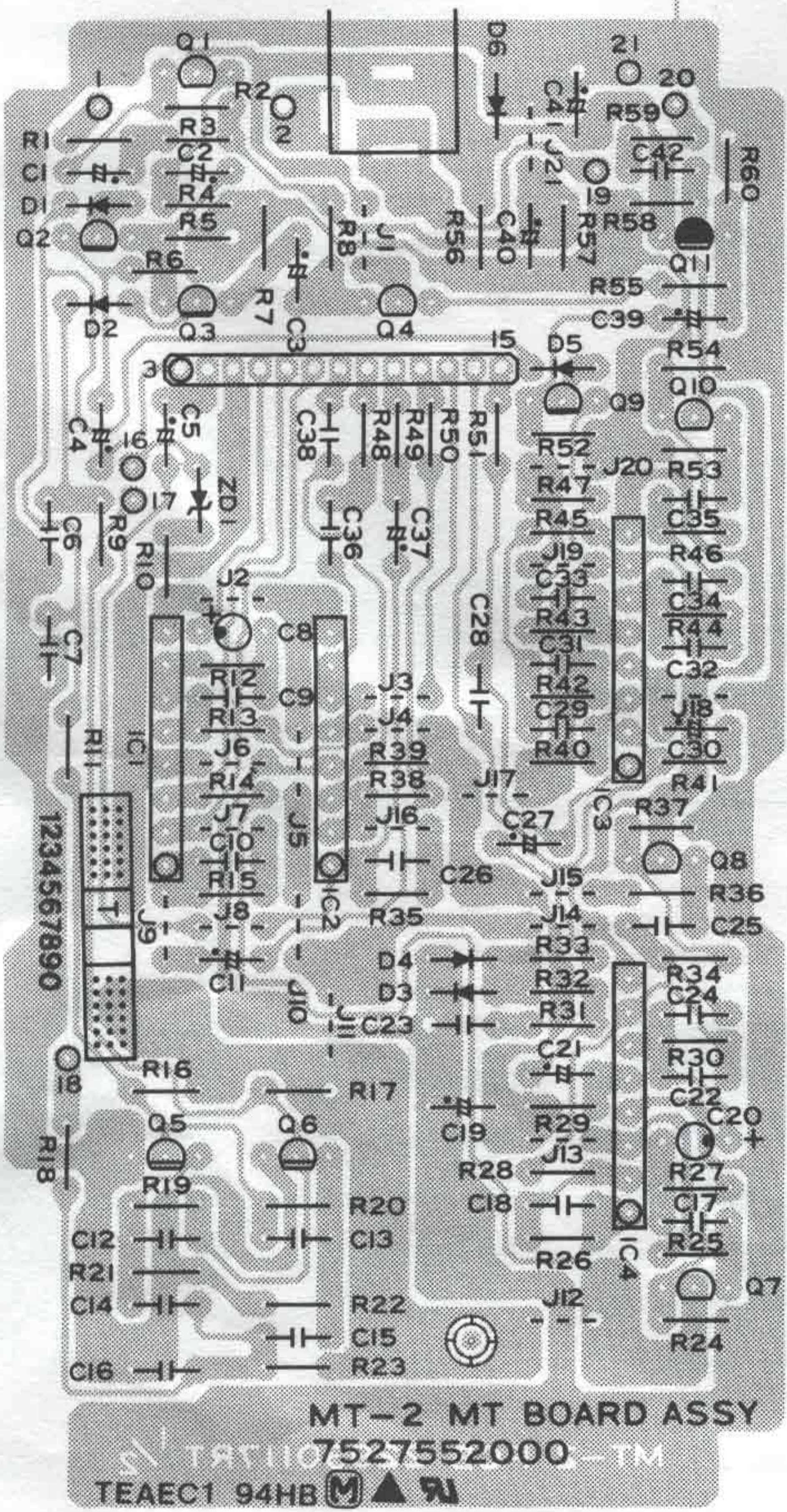


**VR BOARD**

(pcb 22930117RT 2/2)

[the reverse engineers]

Scanned by



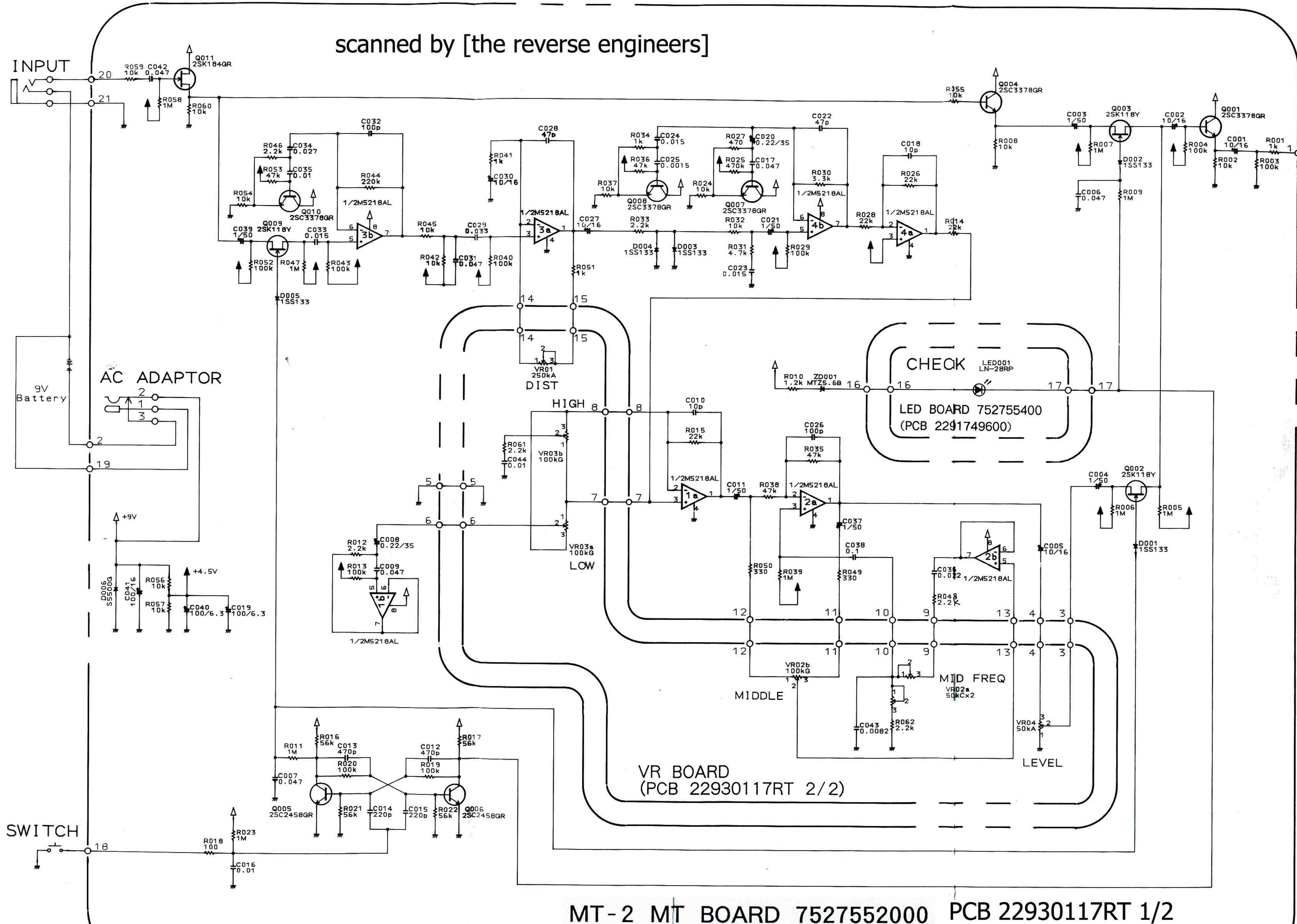
View from component side.

# MT BOARD

(pcb 22930117RT 1/2)

# CIRCUIT DIAGRAM

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# APPENDIX


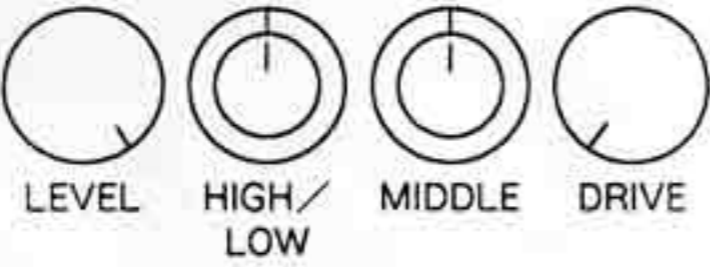
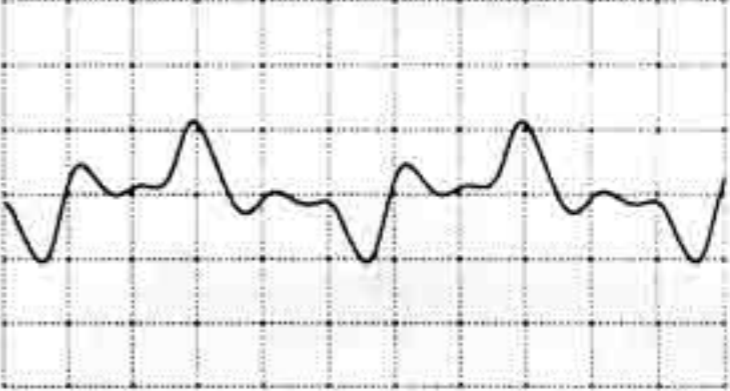
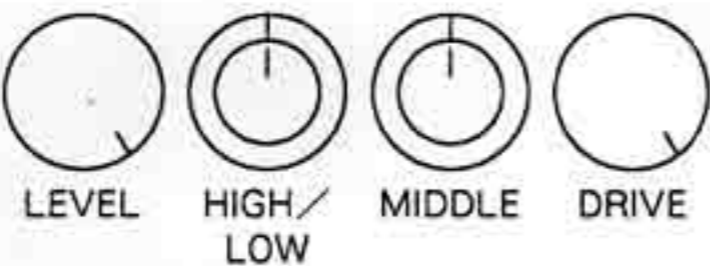
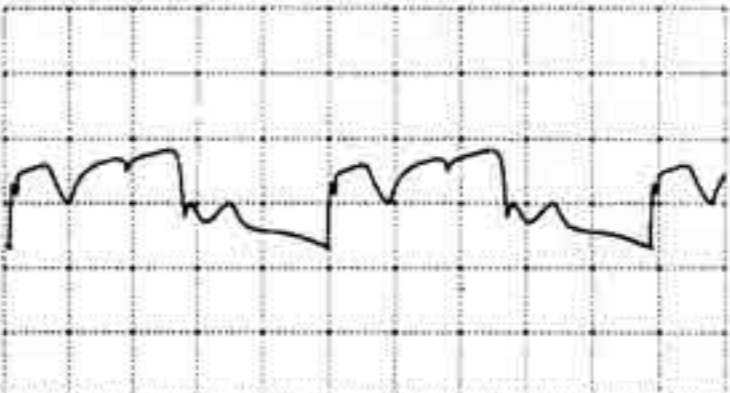
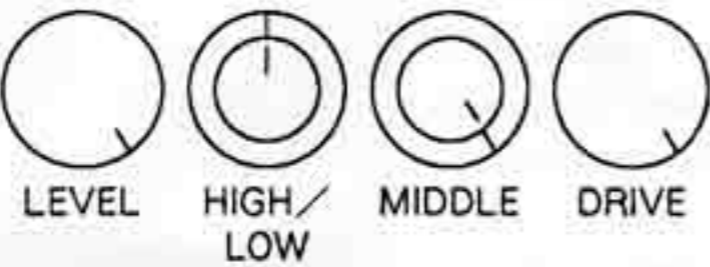
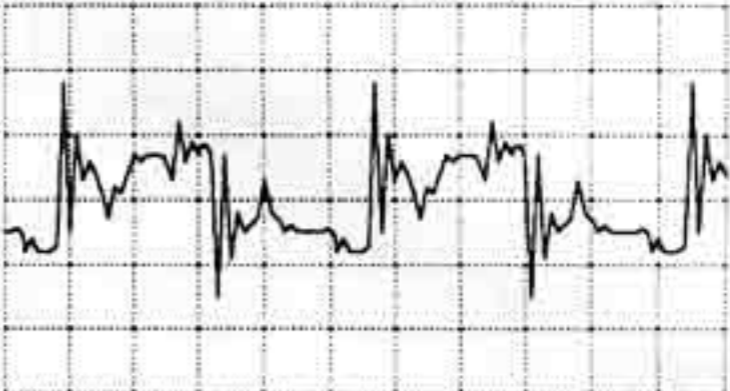
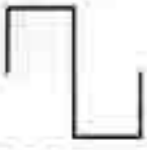
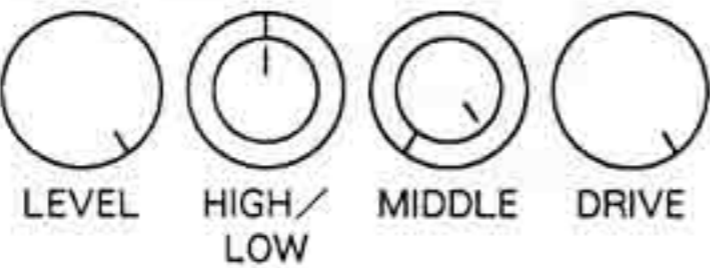
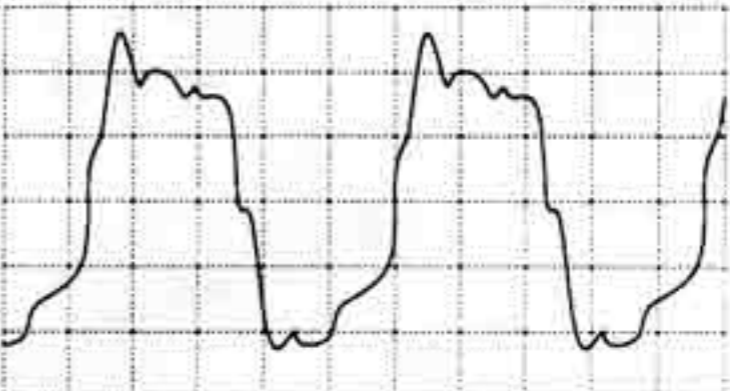
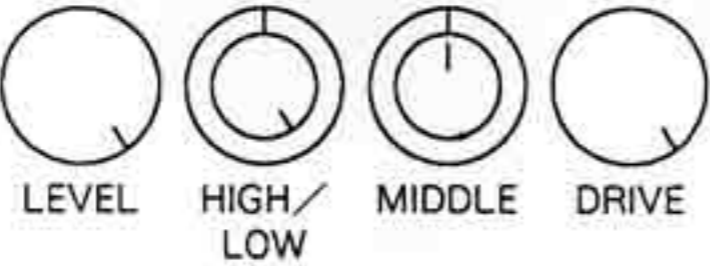
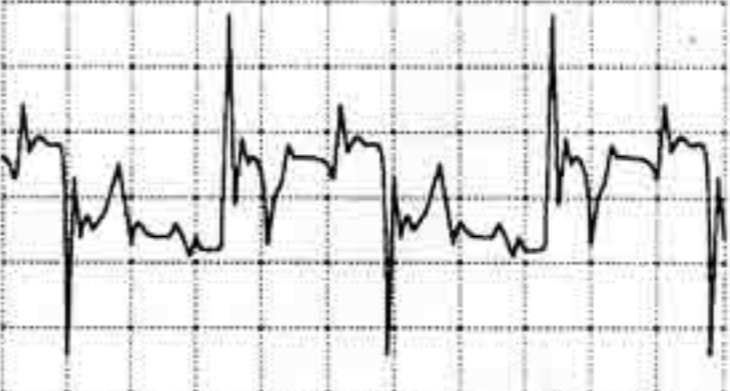
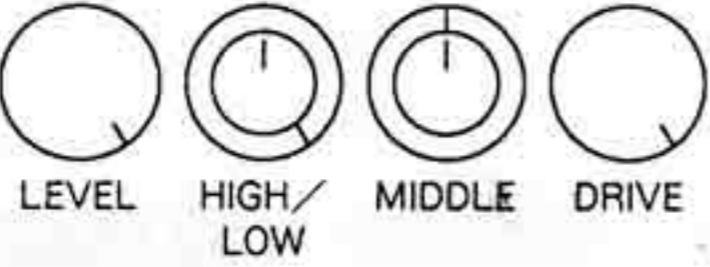
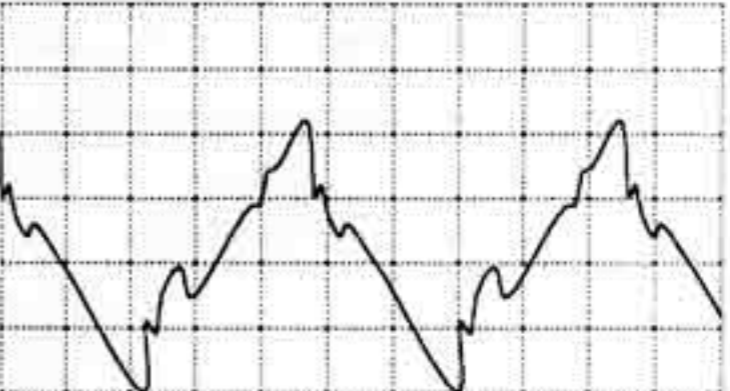
## Check OUTPUT Waveform

1. Connect an audio generator to INPUT jack and apply the test signal.
2. Connect an osilloscope to OUTPUT jack.
3. If the LED is unlit (EFFECT OFF), depress the pedal for EFFECT ON.
4. Verify the waveform fo each controls setting as illustrated below.

# 付録

## 出力波形のチェック

1. INPUT ジャックに発振器を接続し、テスト信号を加える。
2. OUTPUT ジャックにオシロスコープを接続する。
3. もし、LEDが点灯していない (EFFECT OFF) 場合は、ペダルを踏みEFFECT ONにする。
4. 下記の各セッティングにおける波形を確認する。

| INPUT   | SET CONTROLS   | WAVEFORM  |
|---|--|---|
|  <p>200Hz<br/>5mVp-p</p>   |   |  <p>(Range : 1mS / DIV, 50mV / DIV)</p> |
|   |  |  <p>(Range : 1mS / DIV, 1V / DIV)</p>  |
|   |  |  <p>(Range : 1mS / DIV, 1V / DIV)</p>  |
|  <p>200Hz<br/>5mVp-p</p> |  |  <p>(Range : 1mS / DIV, 1V / DIV)</p>  |
|   |  |  <p>(Range : 1mS / DIV, 1V / DIV)</p>  |
|   |  |  <p>(Range : 1mS / DIV, 1V / DIV)</p>  |