

# HARD DIST DST-3

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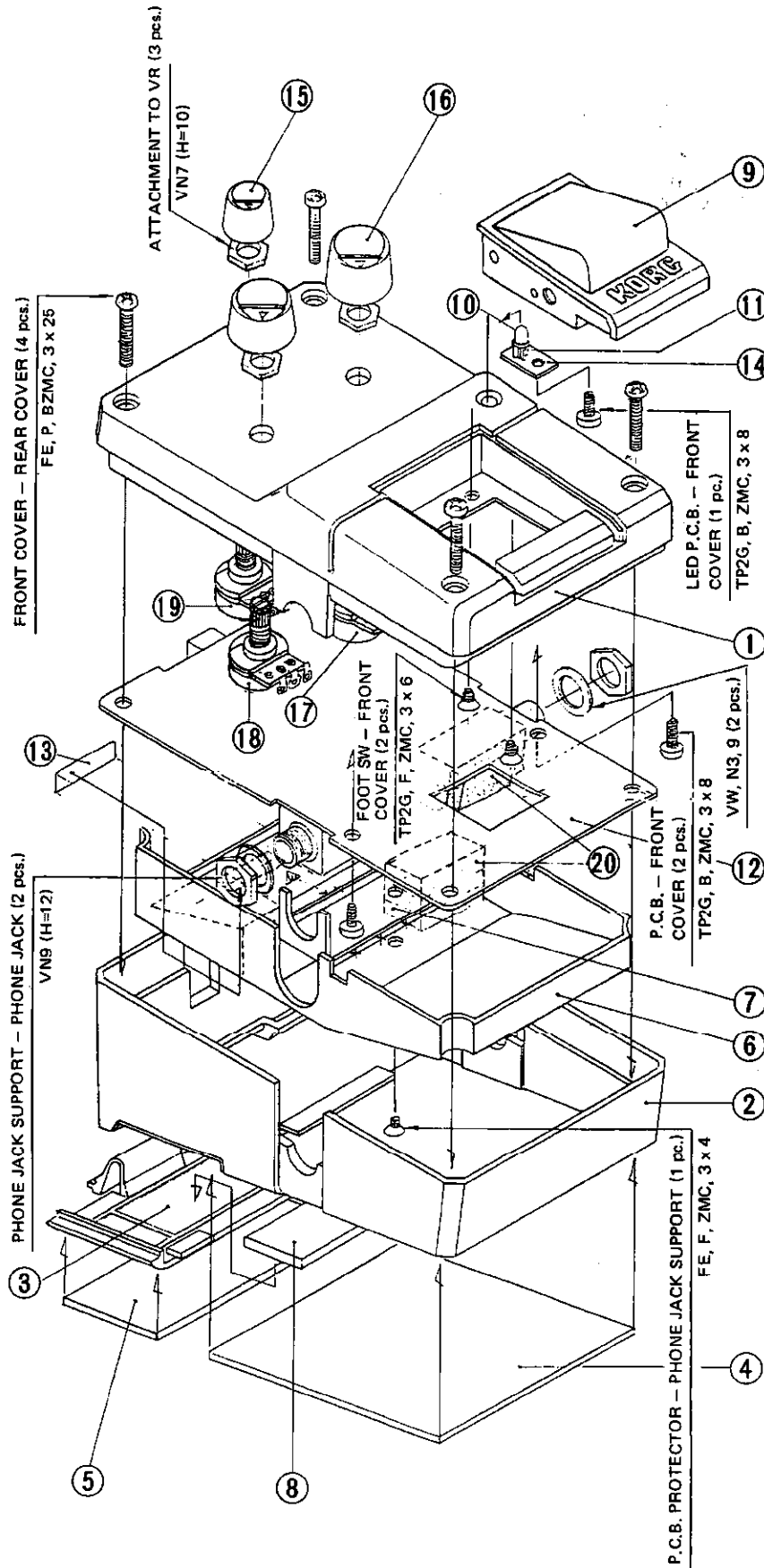
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## 1. SPECIFICATIONS

- Input impedance 1M $\Omega$
- Output impedance 10k $\Omega$
- Maximum output level 1.3V<sub>p-p</sub> (TONE 10, DISTORTION 10, at 250Hz)
- TONE PEAK 1.3kHz (TONE 10, DISTORTION 10) PEAK 200Hz (TONE 0, DISTORTION 10)
- Maximum gain 46dB (TONE 10, DISTORTION 10, at 1.3kHz)
- Frequency response 20Hz ~ 20kHz  
+0/-1.5dB  
[EFFECT OFF]
- Noise level -110dBm (equivalent input noise, TONE 10, DISTORTION 10, input short-circuited, IHF-A)
- Operating voltage 10 ~ 7.5V
- Power consumption 5.8mA
- Pedal switch life Over 10,000 times of switching
- Functions DISTORTION, TONE, OUTPUT, EFFECT ON/OFF LED, FOOT SW, INPUT, OUTPUT
- Power supply 006P 9V battery/DC jack
- Dimensions 70(W) x 67(H) x 129(D) mm
- Weight 450 g (including battery)

(All values are typical.)

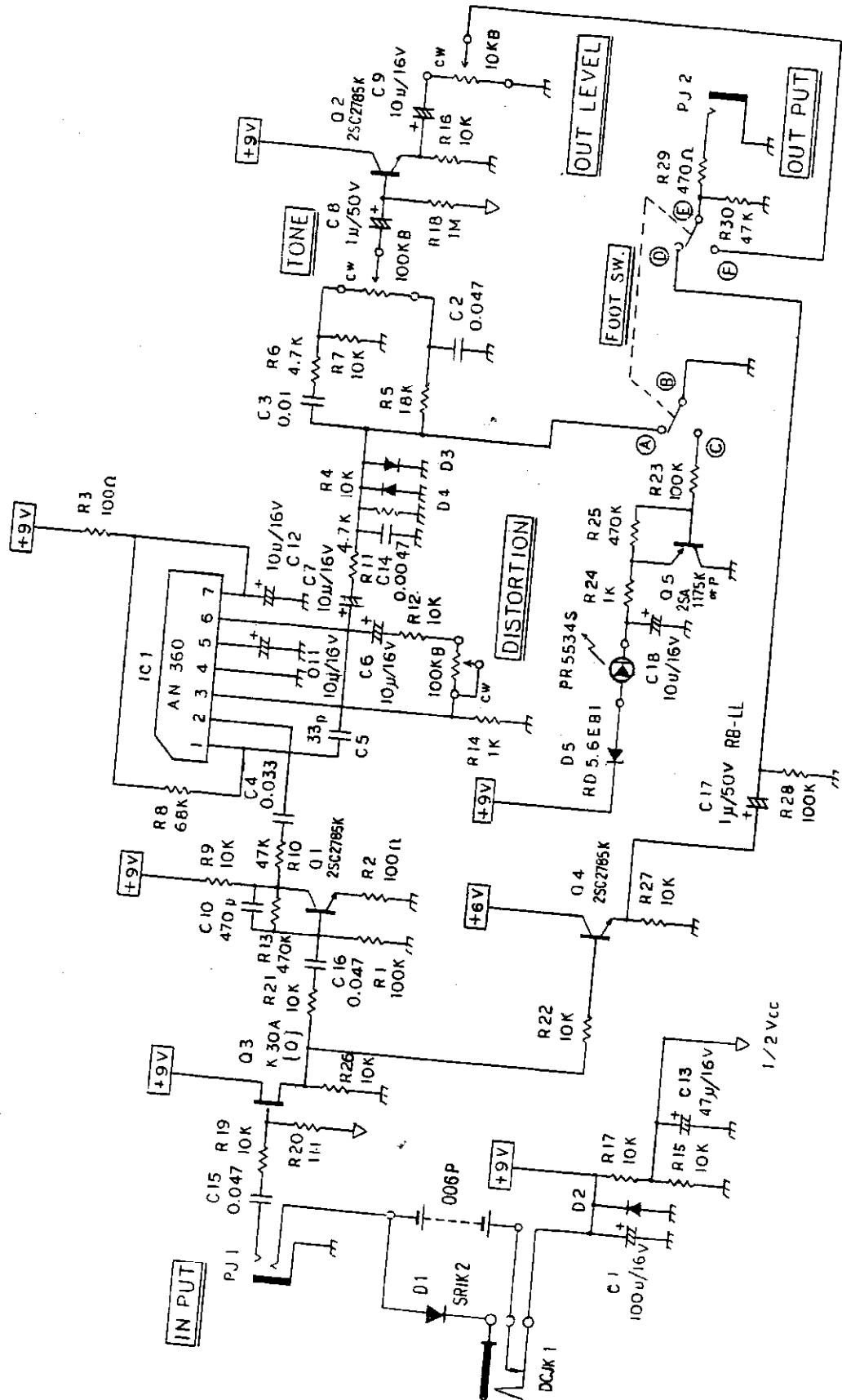
## 2. STRUCTURAL DIAGRAM



PART NO.	PART NAME	PART CODE
1	FRONT COVER	64703500
2	REAR COVER	64703100
3	BATTERY COVER	64703200
4	RUBBER STOPPER LARGE	50009300
5	RUBBER STOPPER SMALL	50009400
6	P.C.B PROTECTOR	64607000
7	PHONE JACK SUPPORT	64030500
8	SPONGE	50003400
9	FOOT SW (KFS-2)	37507100
10	LED (IPR-5534S)	31200700
11	LED HOLDER X-TYPE No. 4	57504000
12	P.C.B (KLM-687)	34068700
13	SERIAL NUMBER SEAL	
14	LED P.C.B (KLM-694)	34069400
15	EFFECTS KNOB SMALL	62014300
16	EFFECTS KNOB LARGE	62014200
17	VR 10KB	36012100
18	VR 10KB	36012000
19	VR 10KB	36012100
20	BATTERY CUSHION	50004400

### 3. CIRCUIT DIAGRAM

KLM-687

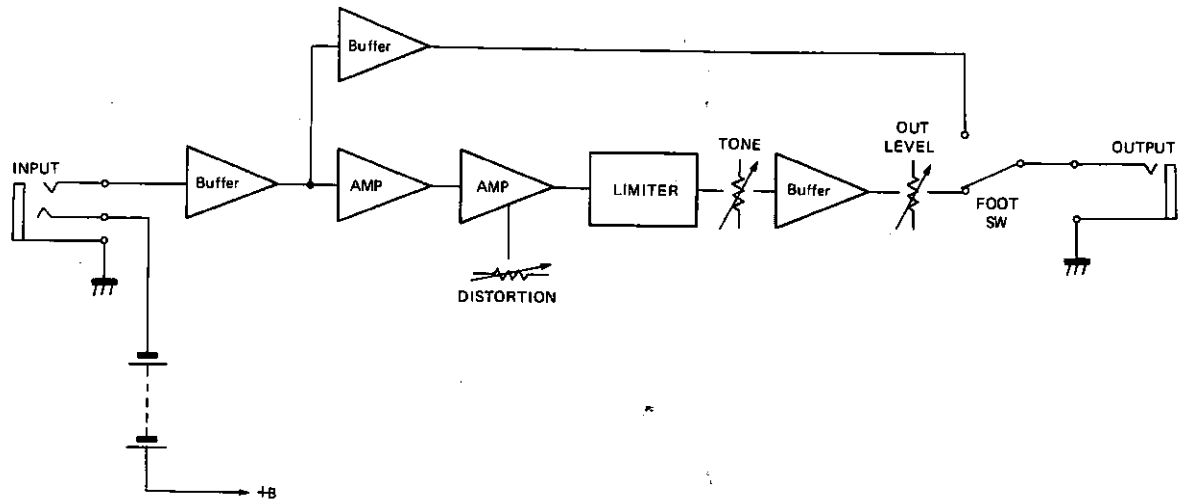


D2~4: 1S1555

IT CODE
4703500
4703100
4703200
7009300
7009400
607000
030600
003400
507100
700700
04000
68700
59400
14300
4200
2100
2000
2100
1400

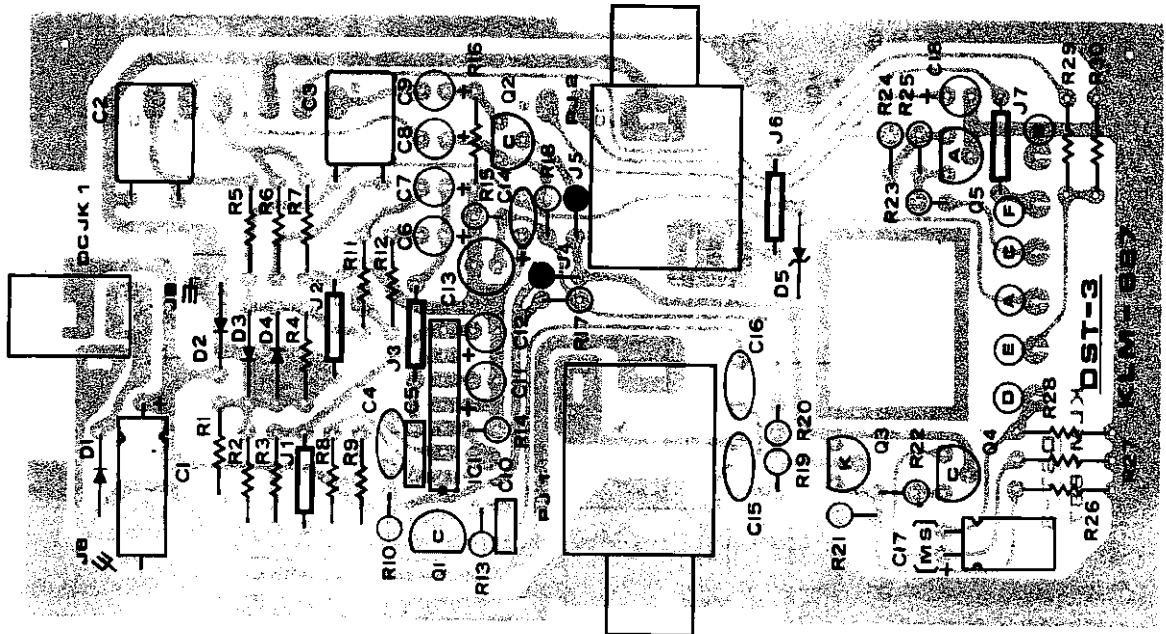
## 4. BLOCK DIAGRAM

KLM-687



## 5. P.C. BOARD

KLM-687



# 6. PARTS LIST

PARTS CODE	PARTS NAME SPECIFICATIONS	P.C. BOARD	IDENTIFICATION NO. FUNCTION	Q'TY
<b>CARBON RESISTORS</b>				
1009000	Y 0 Ω	KLM-687		5
10013310	S1/4JY 100 Ω			2
10013347	S1/4JY 470 Ω			1
10013447	S1/4JY 4.7K			2
10013510	S1/4JY 10K			7
10013518	S1/4JY 18K			1
10013547	S1/4JY 47K			1
10013568	S1/4JY 68K			1
10013610	S1/4JY 100K			2
10109000	T 0 Ω			2
10113410	S1/4JT 1K			2
10113510	S1/4JT 10K			5
10113547	S1/4JT 47K			1
10113610	S1/4JT 100K			1
10113647	S1/4JT 470K			2
10113710	S1/4JT 1M			2
<b>MYLAR CAPACITORS</b>				
20023447	50V 0.0047 μF	KLM-687		1
20023510	50V 0.01 μF			1
20023533	50V 0.033 μF			1
20023547	50V 0.047 μF			3
<b>CERAMIC CAPACITORS</b>				
21352331	50V 33PF	KLM-687		1
21353471	50V 470PF			1
<b>ELECTROLYTIC CAPACITORS</b>				
23007247	A16V 47 μF	KLM-687		1
23107310	B16V 100 μF			1
23207210	A16V 10 μF			6
23215110	A50V 1 μF			1
23315110	A50V 1 μF			1
<b>TRANSISTORS</b>				
30001311	2SA1175 K	KLM-687		1
30202211	2SC2785 K			3
<b>FET</b>				
30600115	2SK 30A TM-0	KLM-687		1

PARTS CODE	PARTS NAME SPECIFICATIONS	P.C. BOARD	IDENTIFICATION NO. FUNCTION	Q'TY
<b>DIODES</b>				
31000100	1S1555	KLM-687		3
31001500	SR1K-2			1
<b>ZENER DIODE</b>				
31101600	RD 5.6EB1	KLM-687		1
<b>LED</b>				
31200700	PR-5534S			1
<b>IC</b>				
32002012	AN-360	KLM-687		1
<b>P.C. BOARD WITH PARTS</b>				
34068700	KLM-687			1
34069400	KLM-694			1
<b>VRS</b>				
36012000	K161100T6E 10KB, VM10A-C29E			1
36012100	K161100T6E 100KB VM10A-C29			2
<b>FOOT SW</b>				
37507100	KFS-2			1
<b>PHONE JACK</b>				
45000600	S-G 7622 #06	KLM-687		1
45001100	S-G 7713 #04			1
<b>POWER JACK</b>				
45400300	HEC-0470-01-230	KLM-687		1
<b>SPONGE</b>				
50003400	4 x 20 x 40			1

PARTS CODE	PARTS NAME SPECIFICATIONS	P.C. BOARD	IDENTIFICATION NO. FUNCTION	QTY
<b>BATTERY CUSHION</b>				
50004400				1
<b>RUBBER STOPPERS</b>				
50009300	No. 1 LARGE			1
50009400	No. 2 SMALL			1
<b>BATTERY</b>				
52000400	006PUE 9V			1
<b>BATTERY SNAP</b>				
54005100	I-TYPE 80MM			1
<b>LED HOLDER</b>				
57504000	X-TYPE No.4 5.8MM			1
<b>EFFECTS KNOBS</b>				
62014200	LARGE			2
62014300	SMALL			1
<b>PHONE JACK SUPPORT</b>				
64030500				1
<b>P.C.B PROTECTOR</b>				
64607000				1
<b>REAR COVER</b>				
64703100				1
<b>BATTERY COVER</b>				
64703200				1
<b>FRONT COVER</b>				
64703500				1

PARTS CODE	PARTS NAME SPECIFICATIONS	P.C. BOARD	IDENTIFICATION NO. FUNCTION	QTY
<b>SCREWS</b>				
70060323	FE P BZMC 3 x 23			4
70130304	FE F ZMC 3 x 4			1
72130306	TP2G F ZMC 3 x 6			2
72530308	TP2G B ZMC 3 x 8			3
<b>NUT</b>				
77310800	VN N-3 9			2
<b>PHONE JACK WASHER</b>				
79040914	N-3 9x14x0.			2