SERVICE SCOOPS

CH3 INOPERATIVE (PAD ONLY) MIC OK.

Mono lead used to join pads 1 + 2 to 3 + 4. (Should be stereo lead)

CHANNEL PERMANENTLY TRIGGERED

IC 1B LOCKED DOWN (-15v Pin (7))

IC 2A or 2B LOCKED UP (+15v Pin (1) or (7))

CHANNEL TONE SOUNDS HIGH - PITCH CONTROL DOES NOTHING R65B o/c

IC3B LOCKED UP (+15v Pin (7))

CHANNEL THUMPS (NO OTHER SOUND AVAILABLE) IC3A LOCKED UP OR DOWN (+or -15v Pin (1)) R29 (150K) o/c IC3B LOCKED DOWN (-15v Pin (7))

HISS FROM CHANNEL WHEN USING LOW PITCH SOUNDS

TRACK CARRYING NOISE TO VCF INPUTS (PIN (12) IC4) PASSING NEAR T4 + T5 (FETS)

CH 2 - 4 ONLY EQ OUT

CUT TRACK AND REWIRE CLEAR OF T4 + T5 (Not applicable to later models)

BLEED THROUGH FROM LFO AT HIGH SPEEDS

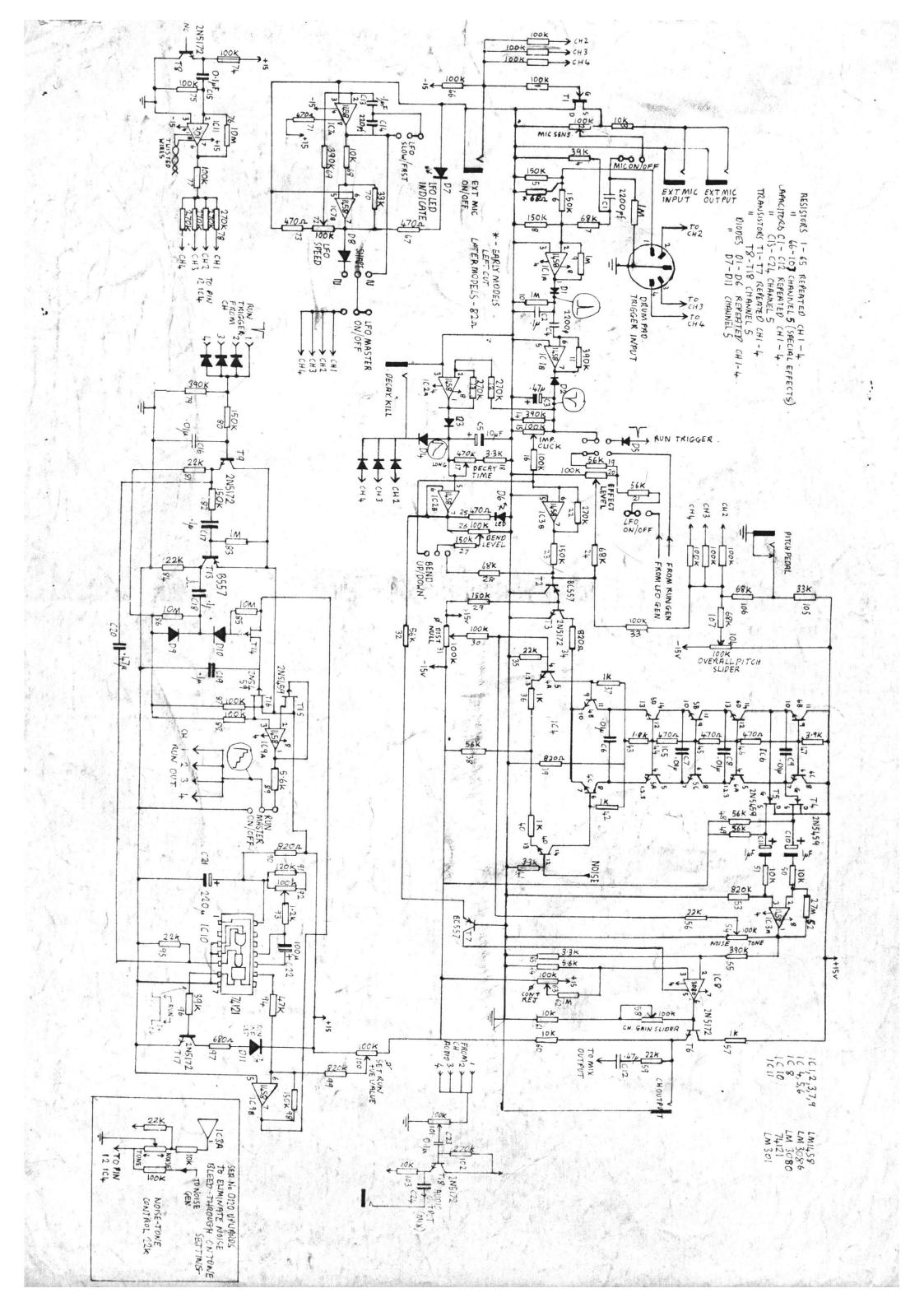
UNAVOIDABLE - USE ONLY ON BELLS AND GONGS AND USE ONLY LOW END OF SPEED CONTROL

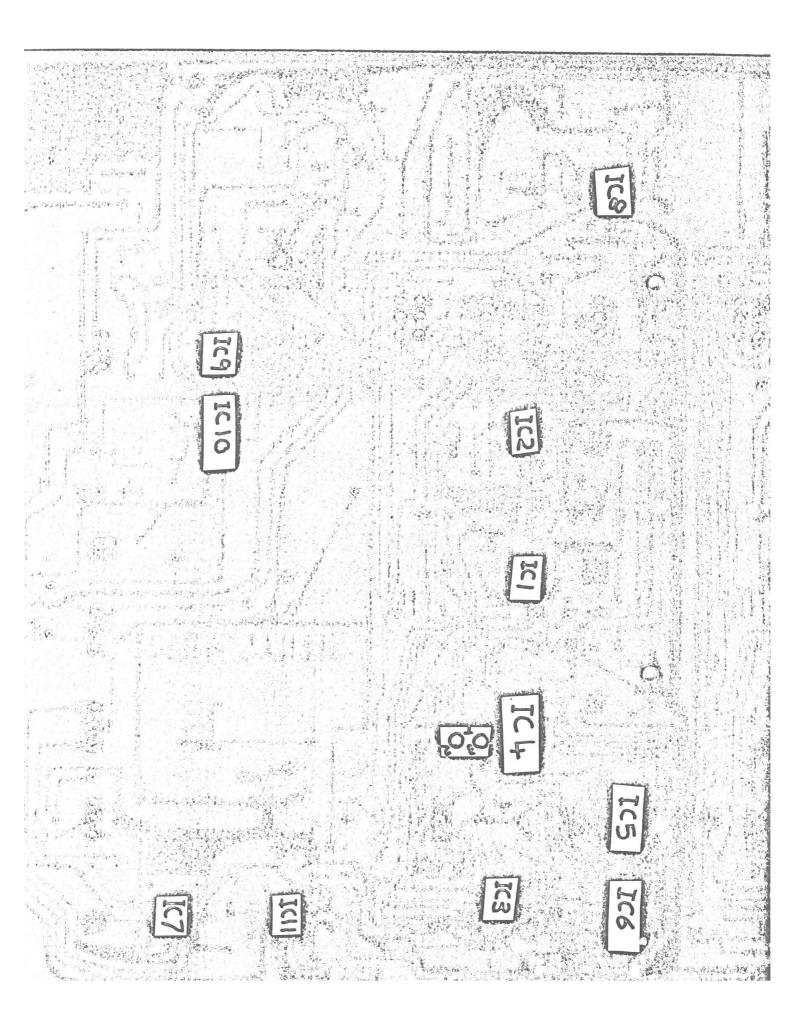
SOSTI WAVEFORM FLOW CHART.

INPUT	TEST POINT	WAVEFORM	CONDITIONS	COMMENTS.	
MIC INPUT ANY CHONNEL	IC la Pin ()	+10v Mrov -5v	MIC SENSITIVITT CONTROL MAX. MIC ON/OFF SWITCH ON. No FOOTSWITCH USED	A SIMILAR WAVE FORM IS OBTAINED IF THE PAO IS USED TO TRIGGE K THE CHANNEL.	
As above	DI +VE -	A+10v	AS ABOVE	AS ABOVE	
AS ABOVE	ICIB PIN (7)	-15×	as above	AS BROVE	
AS ABOVE	D2-VE	tioons or T-IIV	As Algove .	THIS WAVE FORM FED TO FM INPUT OF VCF VIA RIS AND INVERTER ICS - IMPACT CLICK	
AS ABOVE	IC2A PIN ()	1+10v	AS ABOVE .	-	
As ABOVE	D3 + VE AND OUTPUT OF BUFFER IC2 B PIN (7)	100 2T-T-00	T DEPENDS ON SETTING OF RIT DECAY TIME CONTROL. MIN. 200MS MAX 10 SECONDS.	THIS WAVEFORM USED FOR BEND VP. AND VIA INVERTER IC3B FOR BEND DOWN ALSO FED TO CONTROL INPUT OF OUTPUT VCA ICS FOR GATING.	
AC ADAUE	VCF OUTPUT. IC3A PIN(1).	MMMMM 7.5,-10, P.P.	TONE NOISE TOU TONE. INITIAL VITCH LOW. CHANNEL PITCH HALFWAY.	THIS WAVE FORM PRESENT REGARDLESS OF INPUT CONDITION	
AS ABOUE.	VCA OUT PUT IC8 PIN 6	IOV P.P.	T DEVENDS ON SETTING OF RI7 DECAT TIME (ON TRUL MIN 200MS. MAX 10 SECONDS.	CHAWNEZ LEVEZ HAZF.WAY.	

INPUT	TESTPOINT	WAVEFORM	CONDITIONS	COMMENTS
Mr Ivp.p	EMITTER TIS (OUTPUT MIX)	MARIA IVP.P.	T DEPENDS APON SETTING OF KI7 DECAT TIME CONTROL. MIN ZUOMS. MAX LOSEC.	(HAWNEL LEVE + OUTPUT LEVE HARE WAY.
1v P.P. 1	JUNCTION R 80 + R79	7777-~ -15v	INPUT PULSES. (MIC INPUT) OR PAD STRUCH AT ·S SECOND INTERVIALS ·	RUNTIME HAZF WAY
			RUN ON + MASTER RUN ON.	•
as above	EMITIER T 13. (SINGLE SHOT DRIVE)	VVVV-+5v	As above	AS ABOVE
AS ABOVE	IC 10 MM 9 (SINGLE SHOT OUTAT.).	1 -5v 2 T J	T DEPENDS APON SETTING- OF RUN TIME CONTROL.	POWER SUPPLY TO IC 10 = 4.5v (PIN(14)
ABOVE	IC 9B PIND	+IDV. +IDV. TTT	AS ABOVE	
as above	COLLECTOR TI3 (SAMPLE + HOLD TRICCER	+15v v . v .	INPUT PULSES AT SOOMS INTERVALS .	
AS ABOVE	ICAA PIN(I). RUNGEN OUTPUT	- + 15v ·		THIS VOLTAGE WHEN FED TO FM INPUT OF VCF PRODUCE DESCENDING TONES.

INPUT	TEST POINT	WAVE FORM	CONDITIONS	COMMENTS.
-	VCF CONTROL INPUT. (BASE OF T2.)		OVERALL PITCH AT LOW	
		DC+SOmv	INDIVIDIAL CHANNEL PITCH <u>HIGH</u>	IF R65B (ISUK, BIAS RESISTON GUES O/C
		DC-ISOMV	INDIVIDUAL CHANNEL PITCH LOW	VCF WILL BE PERMENANTLT OPEN. (OSCILATE HIGH
	(OLLECTOR T3		OVER ALL VITCH AT LOW	*
		DC + SOmv	INDIVIOUAL CHANNEL PITCH HIGH.	
		DC + 750 MV	INDIVIDUAL CHANNEL PITCHLOW.	75mu RIPPLE PRESENT:
				71
		•		



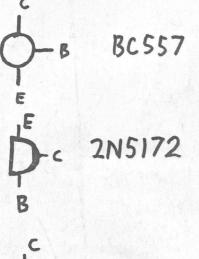


COMPONENT IDENTIFICATION.

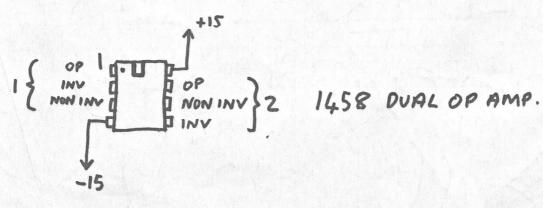
YA 1458TC = LM 1458 2N 5172 = ZTX 450 (LEG LAYOUT DIFFERENT). BC204 = BC557

SDS III-

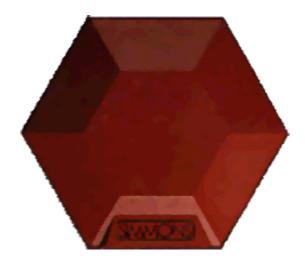
TOP VIEW COMPONENTS.



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METAL CAN CA 3080 LM 3080



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