



1. ALL RESISTORS IN OHMS. ALL RESISTORS 0.25V UNLESS MARKED OTHERWISE.
2. ALL CAPACITORS IN MICROFARADS UNLESS OTHER PREFIX MARKED. THEN REPLACE PREFIX (ORDER IN UNIT CHECKED) WITH MARKED PREFIX. ALL CAPACITORS 25V MINIMUM VOLTAGE RATING UNLESS MARKED OTHERWISE.
3. ALL VOLTAGES IN VOLTS.
4. ALL POTENTIOMETERS R99 TO R112 100K.
5. DIODES: D1 TO D6 1N4150, 1N4148, OR 1N914.
6. ZENER DIODE: D13 1N5244/43/41/4V.
7. TRANSISTORS Q1, Q3, Q16: 2N5086 (NPN TYPE).
8. TRANSISTORS Q2, Q4, Q20, Q22: MPS42C (PNP TYPE).
9. TRANSISTORS Q17, Q18, Q21, Q23: 2N5086 (PNP TYPE).
10. IC'S: 04 TO 011 LM4558.
11. IC: 012: MC3027.
12. IC: 013: MS3112.
13. IC'S: 014, 015: CD4066.
14. LAST REFERENCED DESIGNATION ON SCHEMATIC: R144, C46, Q23, D13, S6, J10, P12.

CHS SWITCH ASSIGNMENT

	SIGNAL	IC#	INPUT	CONTROL (27)
CH1 (Q17)	A1		4	5
	A2	Q14	6	6
	A3		1	13
CH2 (Q19)	B1		4	5
	B2	Q15	11	12
	B3		6	6
CHORUS (Q21)	C	Q13	1	13
REVERB (Q22)	D	Q14	11	12

ALL OUTPUTS GROUNDING. OUTPUT PINS 2, 3, 9, AND 10.

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**SCHEMATIC, PREAMP RG90, RG180**

SCALE	NA	CHECKED BY	DRAWN BY
DATE	1/16/89	K. MASCARENHAS	J. HALL
SIZE	B	DRAWING NO	19328