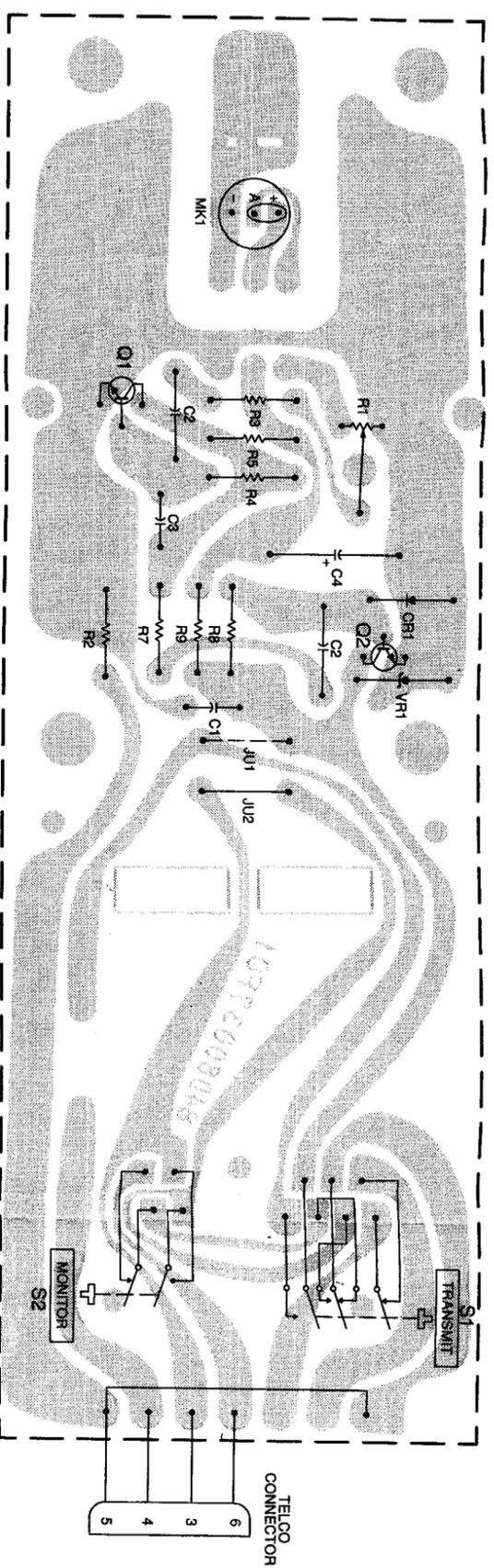


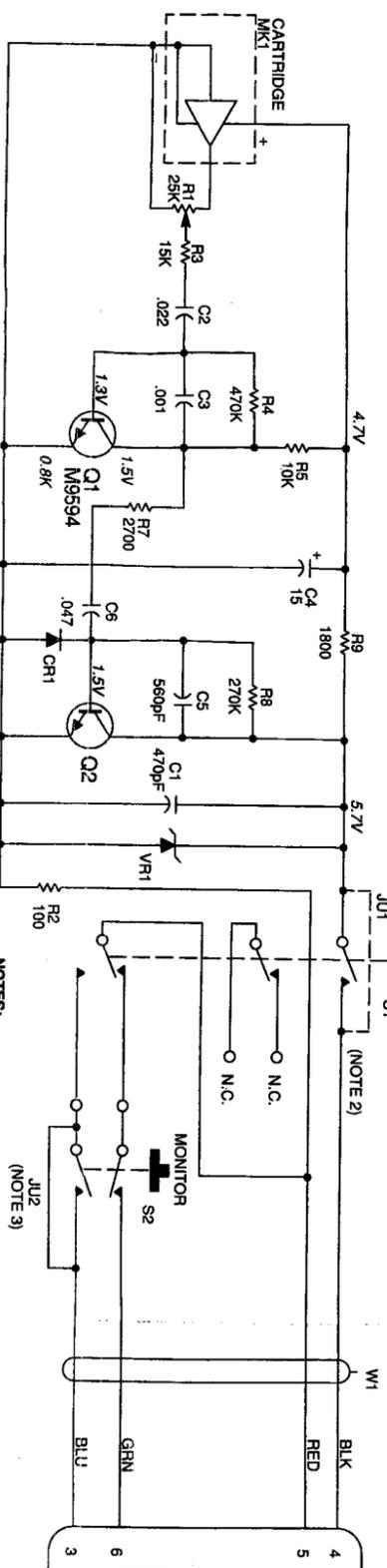
HLN4436A/HLN4436B CIRCUIT BOARD



SHOWN FROM COMPONENT SIDE

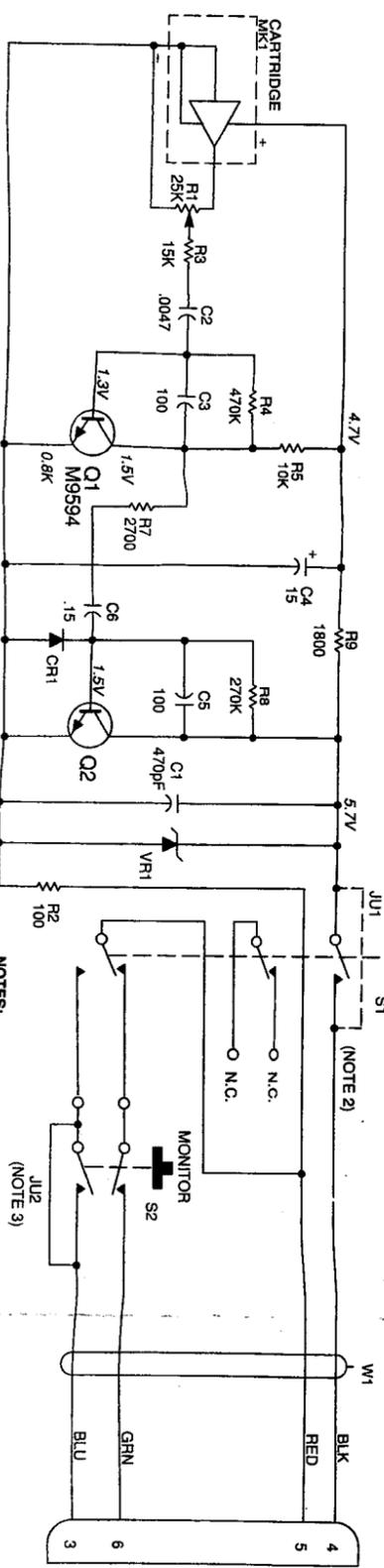
SOLDER SIDE GPW-4458-O
OVERLAY GPW-7392-O

HLN4436A SCHEMATIC



- NOTES:
1. UNLESS OTHERWISE STATED: ALL CAPACITOR VALUES ARE IN MICROFARADS.
 2. JU1 NORMALLY OUT.
 3. JU2 NORMALLY IN.
 4. ALL DC VOLTAGE READINGS ARE WITH RESPECT TO THE MIC LO LEAD.

HLN4436B SCHEMATIC



- NOTES:
1. UNLESS OTHERWISE STATED: ALL CAPACITOR VALUES ARE IN MICROFARADS.
 2. JU1 NORMALLY OUT.
 3. JU2 NORMALLY IN.
 4. ALL DC VOLTAGE READINGS ARE WITH RESPECT TO THE MIC LO LEAD.

GPW-7428-O

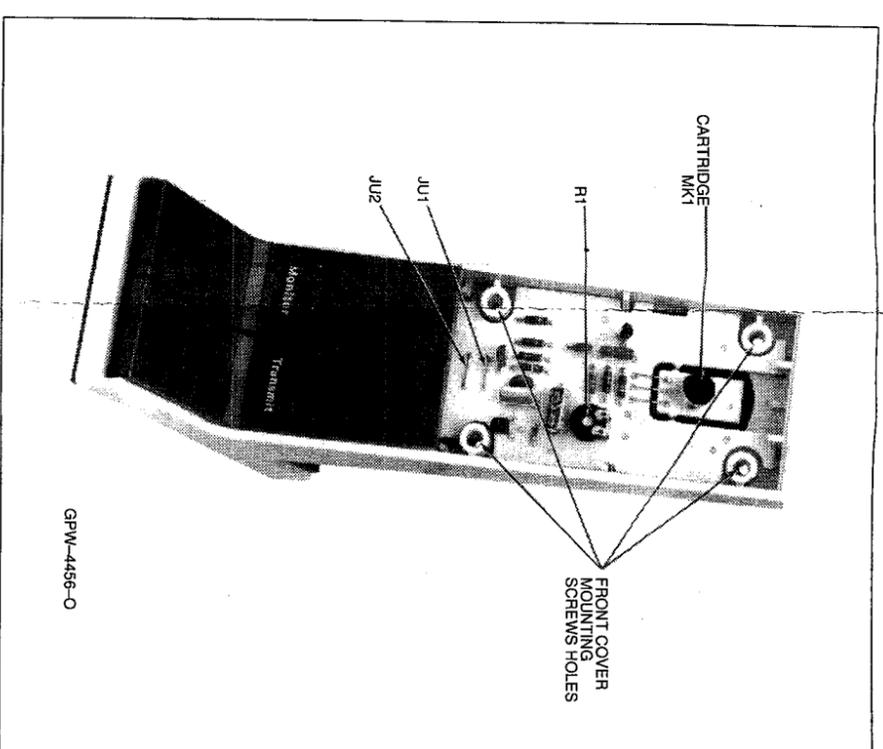


Figure 1. Microphone Detail

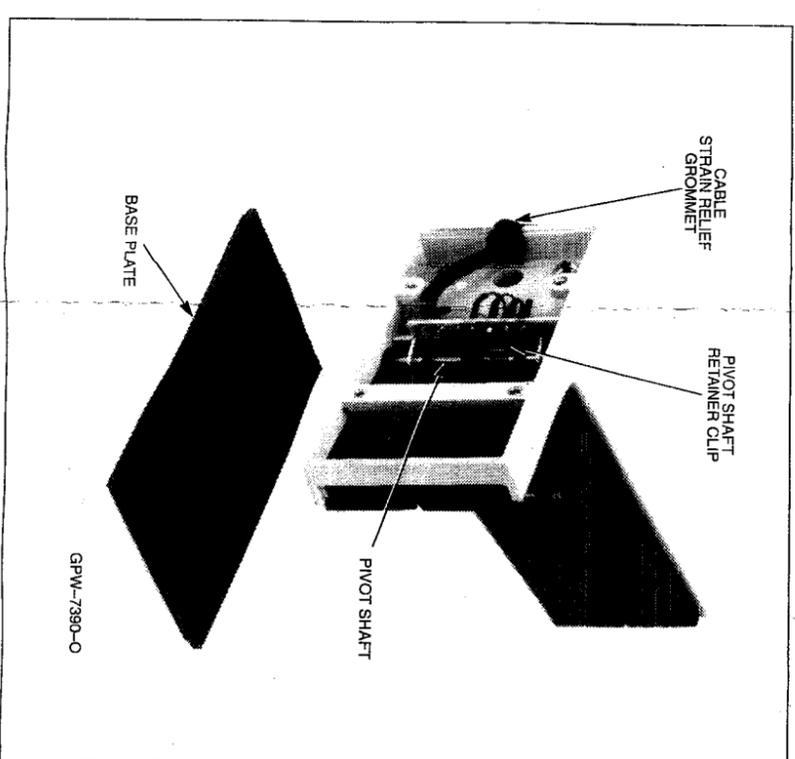


Figure 2. Microphone Assembly Detail

parts list

HLN4436A Microphone B	REFERENCE SYMBOL	DESCRIPTION
1	C1	capacitor, fixed, uF, ±10%
2	C2	capacitor, fixed, uF, ±10%
3	C3	capacitor, fixed, uF, ±10%
4	C4	capacitor, fixed, uF, ±10%
5	C5	capacitor, fixed, uF, ±10%
6	C6	capacitor, fixed, uF, ±10%
7	C8	diode (see note)
8	CR1	diode (see note)
9	Jumper	JU1,2
10	cartridge, microphone	MK1
11	transistor (see note)	Q1,2
12	resistor, fixed, ohm, ±5%	R1
13	resistor, fixed, ohm, ±5%	R2
14	resistor, fixed, ohm, ±5%	R3
15	resistor, fixed, ohm, ±5%	R4
16	resistor, fixed, ohm, ±5%	R5
17	resistor, fixed, ohm, ±5%	R7
18	resistor, fixed, ohm, ±5%	R8
19	resistor, fixed, ohm, ±5%	R9
20	varactor	VR1

note: For best performance Motorola part number.

parts list

HLN4436B Microphone B	REFERENCE SYMBOL	DESCRIPTION
1	C1	capacitor, fixed, uF, ±10%
2	C2	capacitor, fixed, uF, ±10%
3	C3	capacitor, fixed, uF, ±10%
4	C4	capacitor, fixed, uF, ±10%
5	C5	capacitor, fixed, uF, ±10%
6	C6	capacitor, fixed, uF, ±10%
7	C8	diode (see note)
8	CR1	diode (see note)
9	Jumper	JU1,2
10	cartridge, microphone	MK1
11	transistor (see note)	Q1,2
12	resistor, fixed, ohm, ±5%	R1
13	resistor, fixed, ohm, ±5%	R2
14	resistor, fixed, ohm, ±5%	R3
15	resistor, fixed, ohm, ±5%	R4
16	resistor, fixed, ohm, ±5%	R5
17	resistor, fixed, ohm, ±5%	R7
18	resistor, fixed, ohm, ±5%	R8
19	resistor, fixed, ohm, ±5%	R9
20	varactor	VR1

note: For best performance Motorola part number.

parts list

HLN4436A Cable Kit, De	REFERENCE SYMBOL	DESCRIPTION
1	M1	Microphone