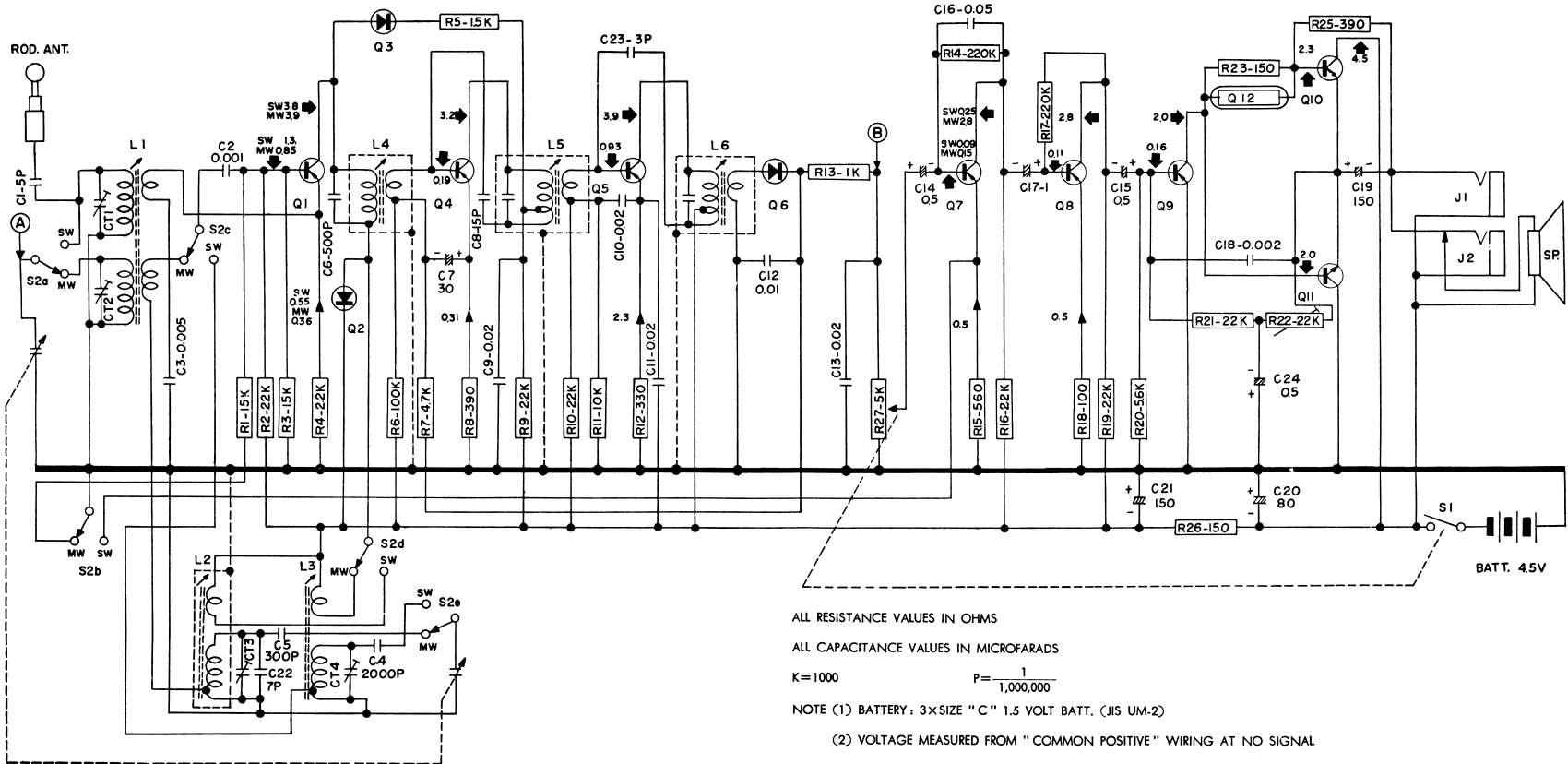


# STANDARD SR-H740

S69

## SCHEMATIC DIAGRAM

- |                    |                        |                       |                    |                     |                  |                    |                    |                    |                     |                     |                           |
|--------------------|------------------------|-----------------------|--------------------|---------------------|------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------------|
| Q1 2SA268<br>CONV. | Q2 1S446<br>OSC. COMP. | Q3 1S446<br>AGC COMP. | Q4 2SA31<br>IF-1ST | Q5 2SA269<br>IF-2ND | Q6 1S446<br>DET. | Q7 2SB32<br>AF-1ST | Q8 2SB32<br>AF-2ND | Q9 2SB33<br>AF-3RD | Q10 2SB33<br>OUTPUT | Q11 2SD33<br>OUTPUT | Q12 MT-170<br>TEMP. COMP. |
|--------------------|------------------------|-----------------------|--------------------|---------------------|------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------------|



ALL RESISTANCE VALUES IN OHMS

ALL CAPACITANCE VALUES IN MICROFARADS

K=1000

$$P = \frac{1}{1,000,000}$$

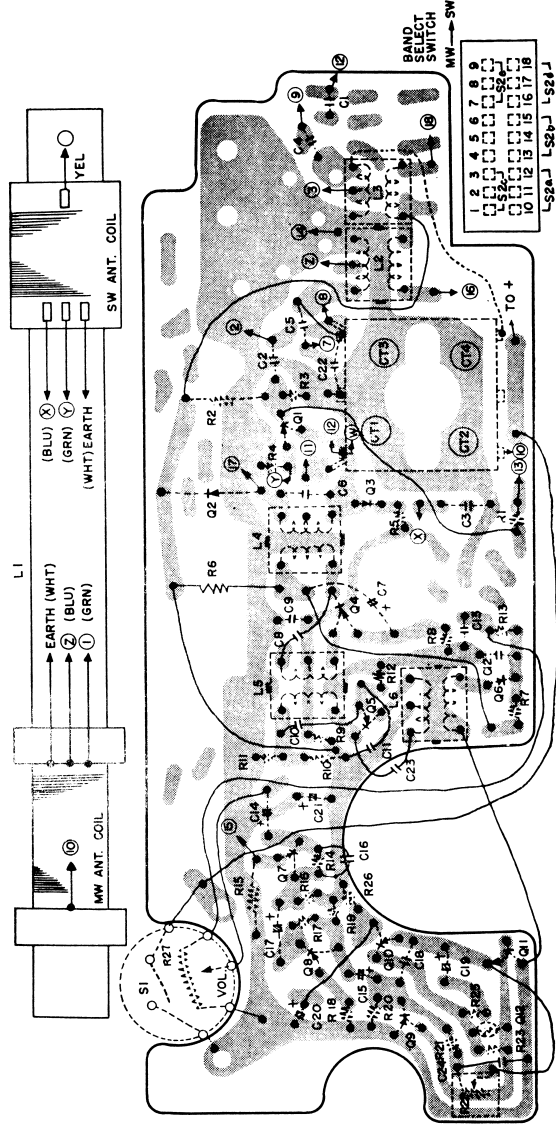
NOTE (1) BATTERY: 3X SIZE "C" 1.5 VOLT BATT. (JIS UM-2)

(2) VOLTAGE MEASURED FROM "COMMON POSITIVE" WIRING AT NO SIGNAL

↓: VOLTAGE (VOLTS)

↑: CURRENT (MILLIAMPERES)

CIRCUIT BOARD DIAGRAM-Wiring Side



ALIGNMENT PROCEDURE

Steps	Connect high side of Sig. gen. to-	Sig. gen. output	Radio tuning set to-	Indicator connection	Adjust	Remarks
1	Point ④	455 KC sweep $\pm$ 35 KC		Connect oscilloscope to the Point ④	T4 T5 T6	Function switch in MW position Adjust top cores for max. gain and symmetry.
2		515 KC with mod.	515 KC (gang fully closed)	Connect Output meter across the voice coil	OSC Coil L2	Adjust for max. output.
3		1650 KC with mod.	1650 KC (gang fully open)	"	Trimmer CT3	"
4		Repeat 2 and 3.				
5		600 KC with mod.	600 KC	Connect Output meter across the voice coil	ANT Coil LI (IMW)	Function switch in MW position Adjust for max. output.
6	Short wire Placed near loop for radiated signal	1400 KC with mod.	1400 KC	"	Trimmer CT2	"
7		Repeat 5 and 6.				
8		3.75 MC with mod.	3.75 MC (gang fully closed)	Connect Output meter across the voice coil	OC5 Coil L3	Function switch in SW position Adjust for max. output.
9		12.5 MC with mod.	12.5 MC (gang fully open)	"	Trimmer CT4	"
10		Repeat 8 and 9.				
11		4 MC with mod.	4 MC	Connect Output meter across the voice coil	ANT Coil LI (SW)	Function switch in SW position Adjust for max. output.
12		10 MC with mod.	10 MC	"	Trimmer CT1	"
13		Repeat 11 and 12.				

- Note: 1. For all alignment operation, connect the low side of the signal generator to the "common positive" wiring.  
 2. Unless otherwise specified, (a) signal generator output should be modulated at 400 cycles and 30% modulation, (b) and keep the output as low as possible.  
 3. Set the volume control at maximum.