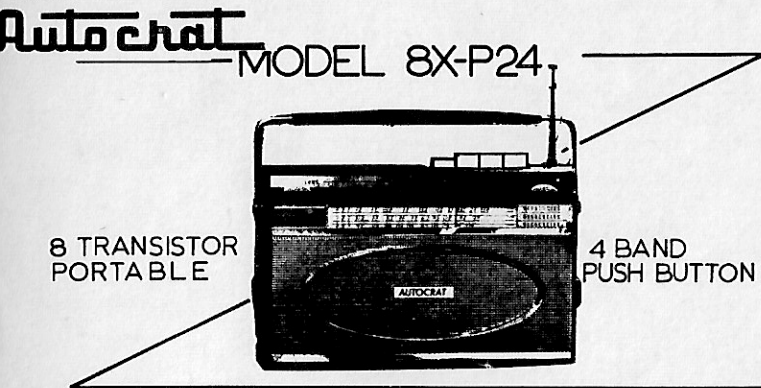


ALIGNMENT PROCEDURE

A11

Apply volt-meter across the voice coil.
The volume control should be set to maximum.
Output of signal generator be kept low only
enough to obtain output indication.



SPECIFICATIONS

RANGE

1605 Kc/s
6 Mc/s
16 Mc/s
26 Mc/s

GERMANIUM DIODE AND THERMISTOR

1S188 Diode; Detector & AGC
SDT-06 Thermistor, Temperature compensator.

ATE FREQUENCY

POWER OUTPUT

Undistorted 700mW
Maximum 1100mW

S

Local oscillator
Mixer
1st IF amplifier
2nd IF amplifier
AF amplifier
Driver
Power amplifier
(class pushpull)

CURRENT DRAIN

No signal 20 mA
Maximum 315 mA

ANTENNA

Ferrite bar antenna for BC, SW1, & SW2
External antenna for SW3

POWER SOURCE

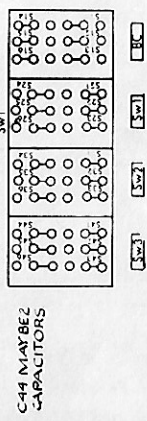
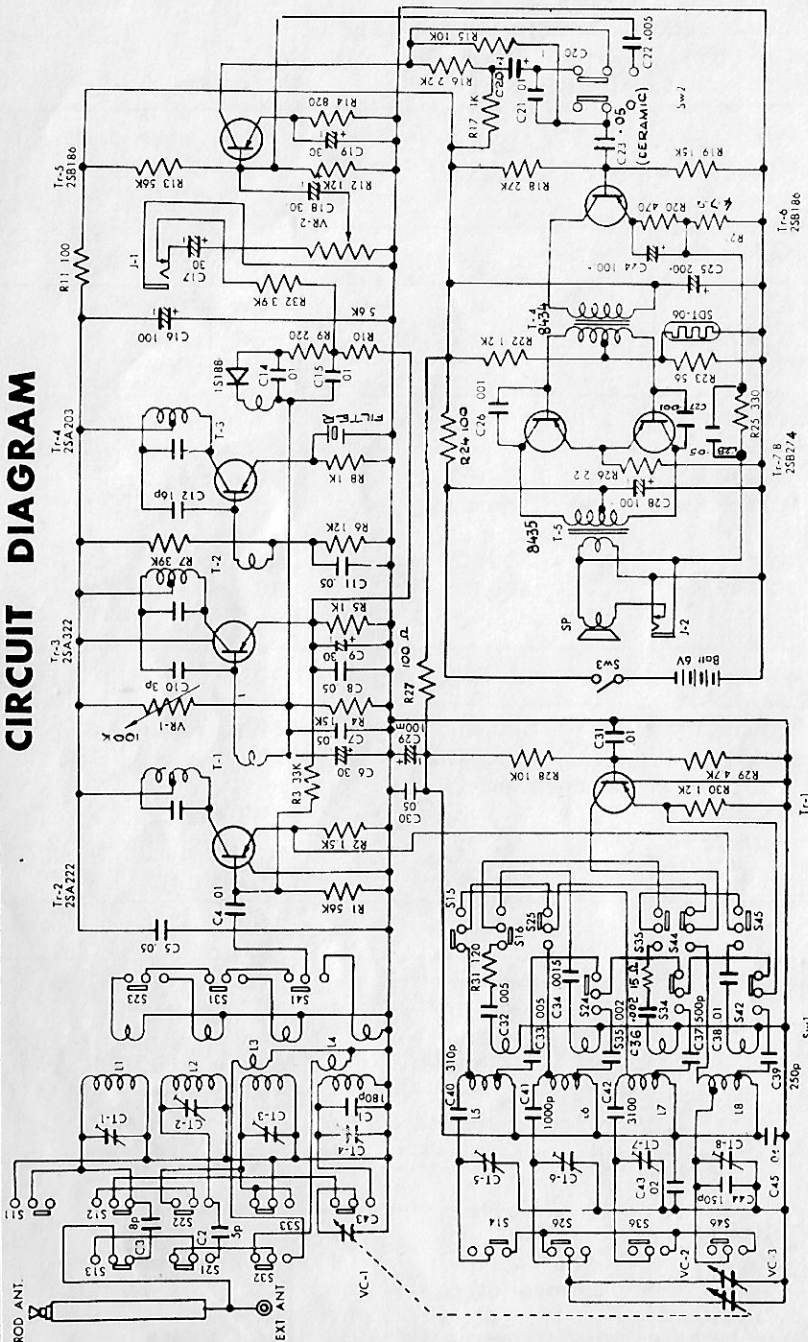
6V (4 C size Standard flashlight batteries)

Permanent
dynamic speaker

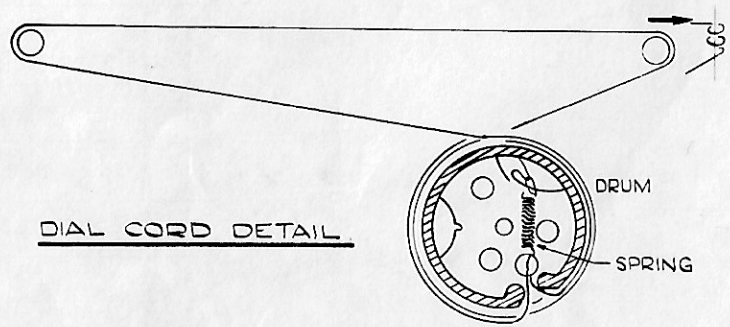
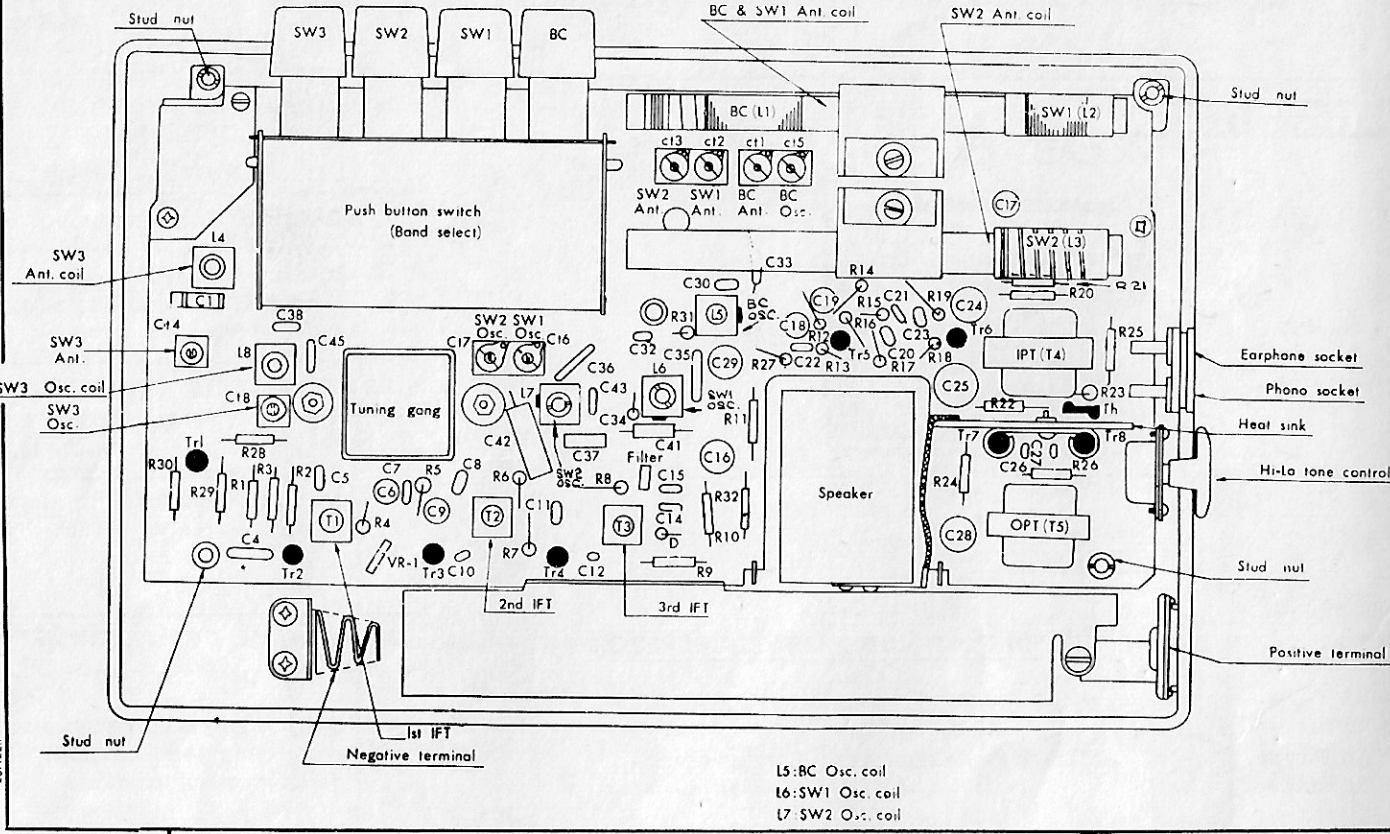
REVISED 28/5/65.

STEP	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQ.	RADIO DIAL SETTING	ADJUST FOR MAXIMUM OUTPUT
IF ALIGNMENT (Band select in BC position)				
1.	Radiate signal through a loop coil connected to signal generator output cable.	455 Kc	530 Kc	IF trans T 3 IF trans T 2 IF trans T 1
BROADCAST RF ALIGNMENT				
2.	Radiate signal through a loop coil connected to signal generator output cable.	530 Kc	Left end	BC osc coil L5
3.		1650 Kc	Right end	BC osc trim CT5
4.			Repeat step 2 & 3	
5.		600 Kc	600 Kc	BC ant coil L1
6.		1400 Kc	1400 Kc	BC ant trim CT1
7.			Repeat step 5 & 6	
SHORTWAVE 1 RF ALIGNMENT				
8.	Radiate signal through a loop coil connected to signal generator output cable.	1.96 mc	Left end	SW1 osc coil L6
9.		6.2 mc	right end	SW1 osc trim C16
10.			Repeat step 8 & 9	
11.		2.5 mc	2.5 mc	SW1 ant coil L2
12.		5.5 mc	5.5 mc	SW1 ant trim CT12
13.			Repeat step 11 & 12	
SHORTWAVE 2 RF ALIGNMENT				
14.	Connect high-side of signal generator cable through dummy antenna to antenna terminal.	5.8 mc	Left end	SW2 osc coil L7
15.		16.5 mc	right end	SW2 osc trim C17
16.			Repeat step 14 & 15	
17.		6.5 mc	6.5 mc	SW2 ant coil L3
18.		15.5 mc	15.5 mc	SW2 ant trim CT3
19.	Low side to chassis.		Repeat step 17 & 18	
SHORTWAVE 3 RF ALIGNMENT				
20.	Connect high-side of signal generator cable through dummy antenna to antenna terminal.	15.5 mc	Left end	SW3 osc coil L8
21.		26.9 mc	right end	SW3 osc trim CT8
22.			Repeat step 20 & 21	
23.		16.5 mc	16.5 mc	SW3 ant coil L4
24.		25.5 mc	25.5 mc	SW3 ant trim CT4
25.	Low side to chassis.		Repeat step 23 & 24	

CIRCUIT DIAGRAM



PARTS LAYOUT



Title: CIRCUIT DATA - 8X-P24
Drawn: JRM Chkd:
Date: 30-10-64 Appd:
AUTOCRAT RADIO LTD