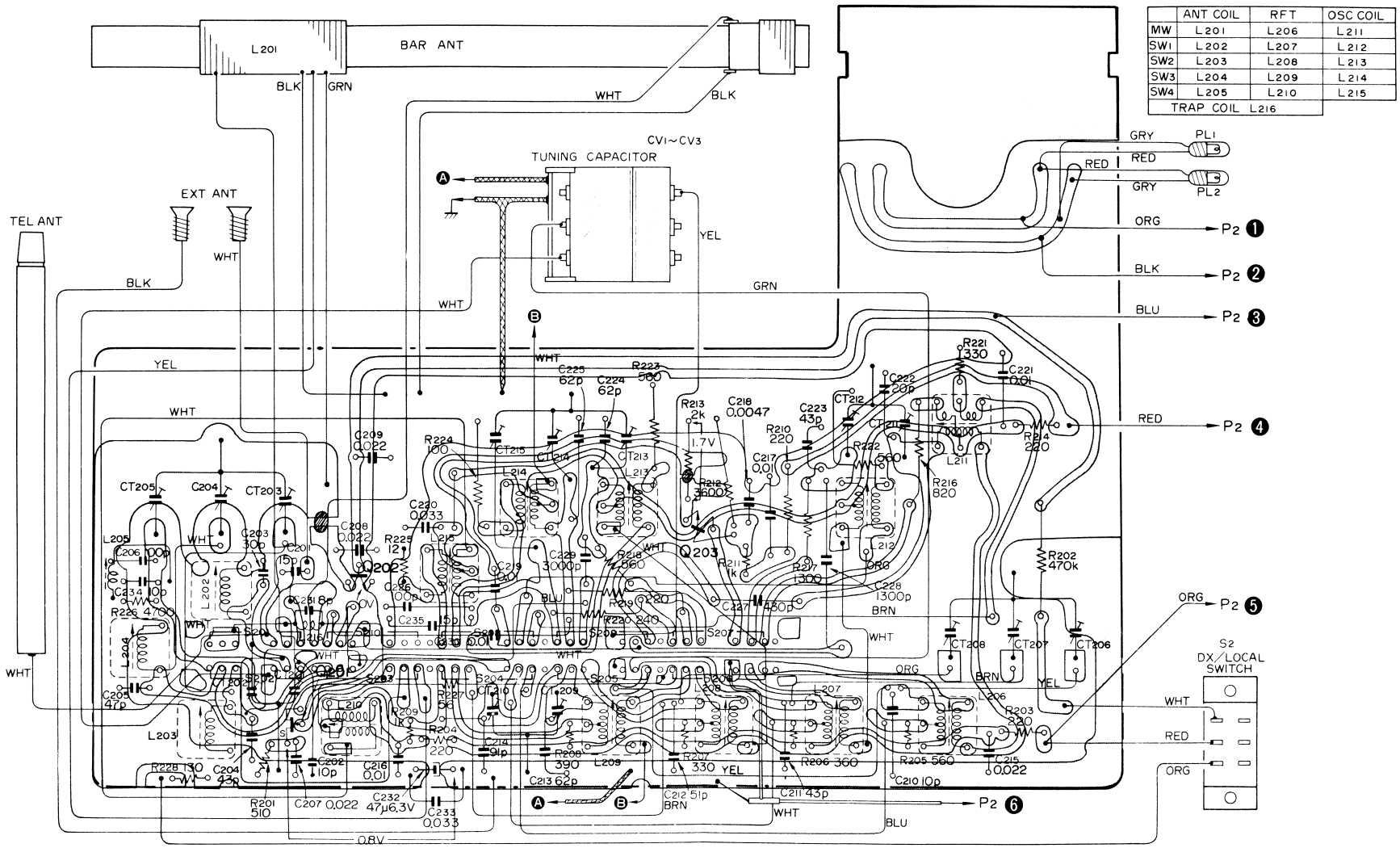
TR-1300 TR-1300

CP CIRCUIT BOARD (P1)
MOUNTING DIAGRAM
– Conductor side –



	ANT COIL	RFT	OSC COIL
MW	L201	L206	L211
SW1	L202	L207	L212
SW2	L203	L208	L213
SW3	L204	L209	L214
SW4	L205	L210	L215
TRAP COIL L216			

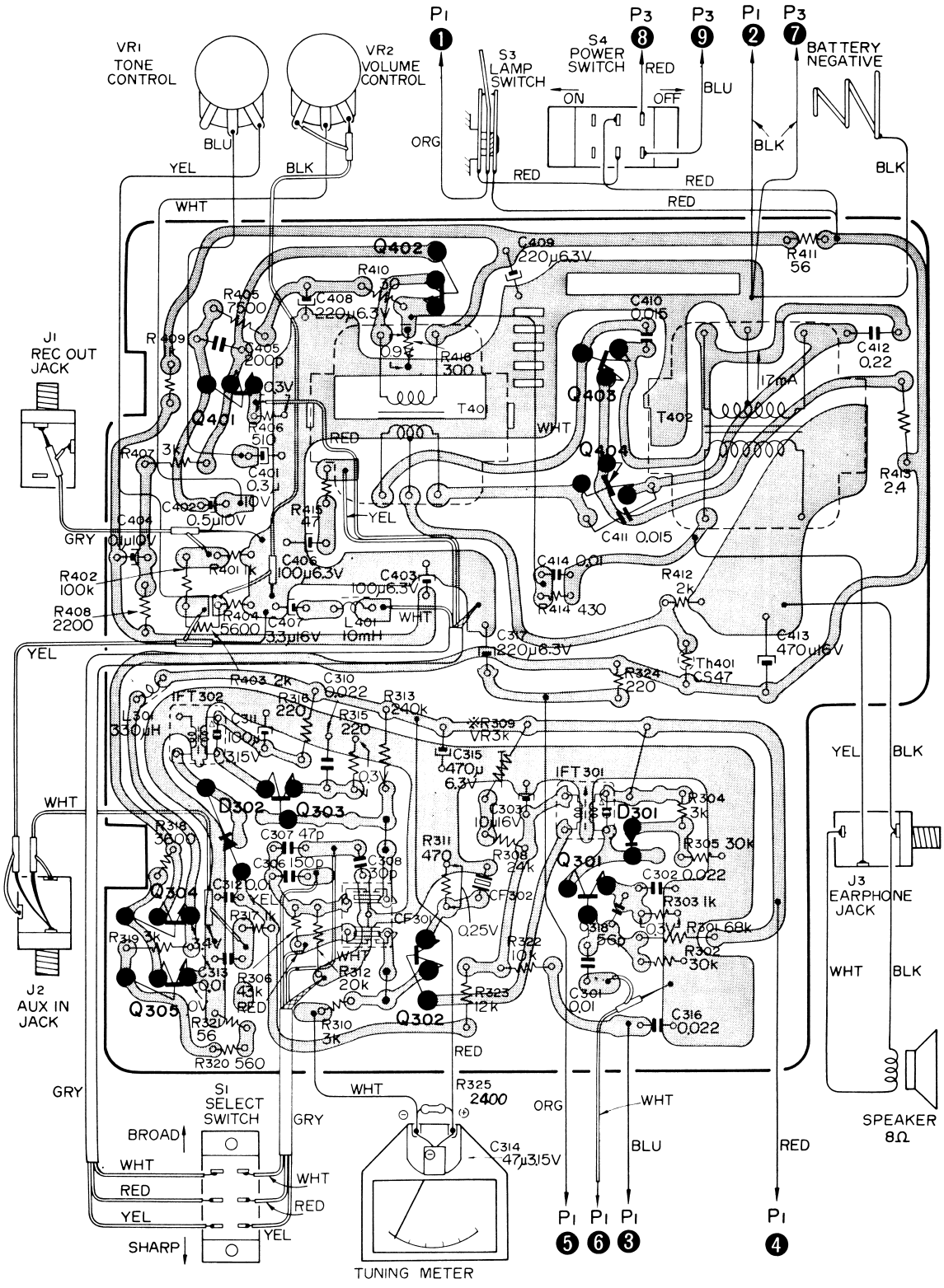
Printed circuit board
Part No. 1-539-190-13

Note: The bold-frame components are mounted on the conductor side.
R227, C202, C231, L205, L216, CT201~215.

IF-AF CIRCUIT BOARD (P2)

MOUNTING DIAGRAM

– Conductor side –



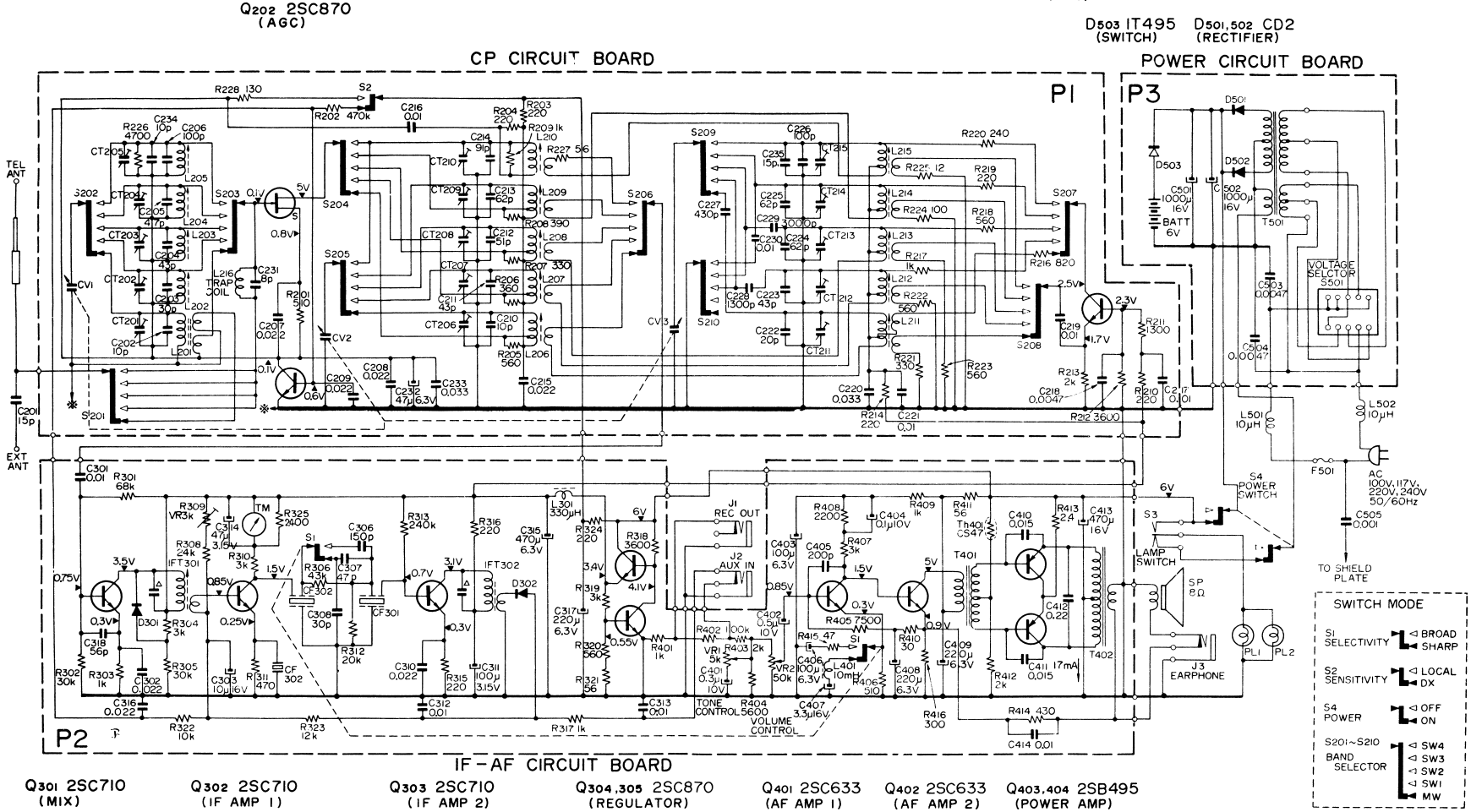
Printed circuit board
Part No. 1-539-191-12

Note: The following components are mounted on the conductor side.

R403, R416

SCHEMATIC DIAGRAM

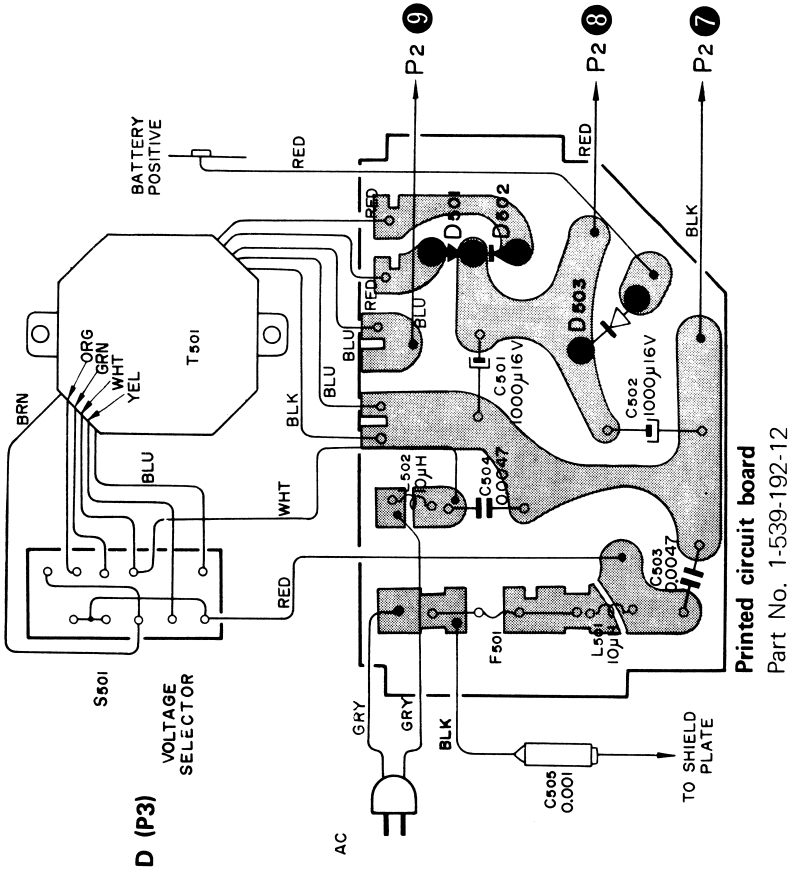
SECTION 4
SCHEMATIC DIAGRAM AND MOUNTING DIAGRAM



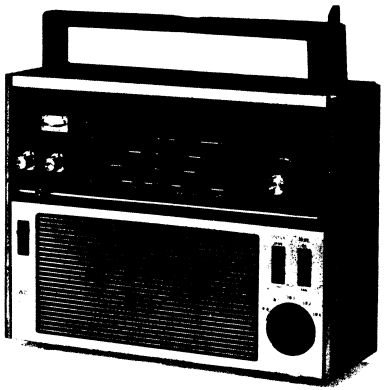
Q301 2SC710 (MIX)
Q302 2SC710 (IF AMP 1)
Q303 2SC710 (IF AMP 2)
Q304,305 2SC870 (REGULATOR)
Q401 2SC633 (AF AMP 1)
Q402 2SC633 (AF AMP 2)
Q403,404 2SB495 (POWER AMP)
D301 IT23 (AGC)
D302 IT23 (DET)

MW	L201	ANT COIL	L206	RFT	L211	OSC COIL
SW1	L202	ANT COIL	L207	RFT	L212	OSC COIL
SW2	L203	ANT COIL	L208	RFT	L213	OSC COIL
SW3	L204	ANT COIL	L209	RFT	L214	OSC COIL
SW4	L205	ANT COIL	L210	RFT	L215	OSC COIL

Note: 1. All resistors and capacitors are in ohm and μF, unless otherwise indicated.
2. Capacitor marked with △ is built in i-f transformer.
3. Voltage value is measured to ground circuit with a dc voltmeter (20 kΩ/V) and current value is measured with a dc ammeter.
Voltage and current values are taken with no radio signal received. Variations may be noted due to normal production tolerances.



POWER CIRCUIT BOARD (P3)
MOUNTING DIAGRAM
– Conductor side –



SPECIFICATIONS

Circuit System: 9 transistors (including 1 FET) and 4 diodes superheterodyne, 3 transistors for AUX. circuit

Frequency Coverage: MW ; 530 - 1,605 kHz (566 - 187 m)
SW-1; 1.6 - 3.5 MHz (187.5 - 86 m)
SW-2; 3.5 - 7.0 MHz (86 - 43 m)
SW-3; 7.0 - 14.0 MHz (43 - 21 m)
SW-4; 14.0 - 26.1 MHz (21 - 11 m)

Intermediate Frequency: 455 kHz

Antenna System: MW; built-in ferrite-bar antenna
SW; built-in telescopic antenna

Power Requirement: Four "D" size flashlight batteries, 6V in total or house current by 100V, 117V, 220V and 240V.

Power Output: 1.2W (harmonic distortion, less than 10%)
1.7W (maximum)

Current Drain: 25 mA at zero signal, 500 mA at 1.2W output

Maximum Sensitivity: MW ; 14μV/m
(at 50 mW output) SW-1; 1.1μV
SW-2; 1.0μV
SW-3; 1.0μV
SW-4; 1.2μV

Selectivity at 1,400 kHz: 45 dB (SHARP position of SELECT. switch)
35 dB (BROAD position of SELECT. switch)

Speaker: 4" x 6" (10 cm x 15 cm), Impedance 8Ω

Dimensions: 10⅝" (W) x 8¾" (H) x 3 15/16" (D) (270 mm x 222 mm x 100 mm)

Weight: 8 lb ½ oz (3.65 kg)

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