

MODELS 5J1, 5L1,
Ch. HS-250; 5J1U,
5L1U, Ch. HS-224

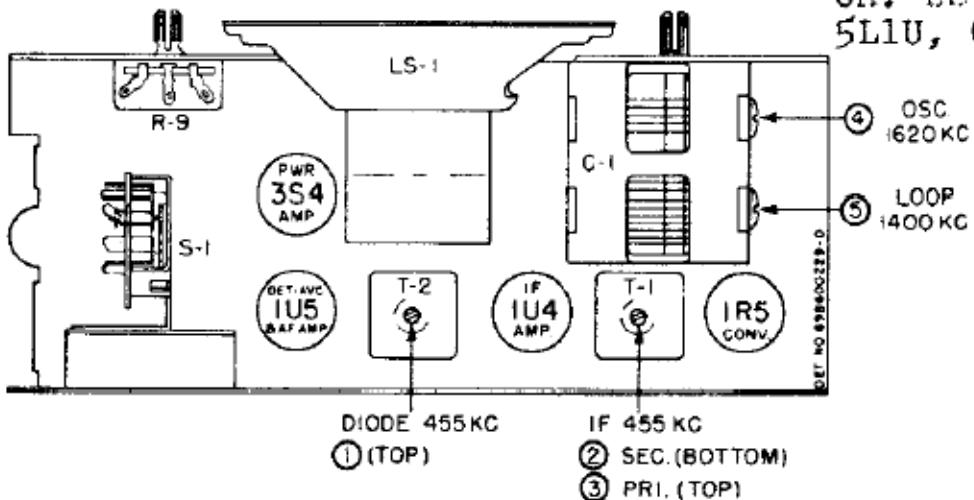


FIGURE 2. TUBE & TRIMMER LOCATIONS

SERVICE NOTES

The chassis of this receiver is isolated from the AC power line circuit by a capacitor-choke assembly to eliminate the shock hazard when handling the receiver. However, as an additional precaution when aligning or servicing the receiver from AC, an isolation transformer should be inserted between the power line and the chassis.

The tubes are exposed when the rear cover is opened. It is not necessary to remove the chassis to replace tubes.

To remove the chassis from the cabinet:

1. Pull off the two control knobs on the front of the cabinet.
2. Open the rear cover and remove the batteries.
3. Disconnect the two loop antenna leads from the chassis.
4. Remove the two hex head screws holding the chassis to the cabinet ("A" - "A" in Figure 1).
5. Slide the chassis out of the cabinet.

REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
CHASSIS PARTS - ELECTRICAL		
CAPACITORS		
C-1	19K692008	Variable, 2-gang
C-2	21K481377	Ceramic: 500 mmf 500V
C-3	21K482726	Ceramic, disc type: 10,000 mmf 450V
C-4	21K482726	Ceramic, disc type: 10,000 mmf 450V
C-5	21K77373	Ceramic: 47 mmf 500V
C-6	8K71213	Paper: .05 mf 100V
C-7	8K71213	Paper: .05 mf 100V
C-8	8K471635	Paper: .05 mf 400V
C-9	23B691995	Electrolytic: 40-40 mf 150V/ 250 mf 10V
C-10A,		
B,C,D	21K691992	Ceramic, multiple: 2000 mmf, 100 mmf, 100 mmf, 5000 mmf
C-11	21K482726	Ceramic, disc type: 10,000 mmf 450V
C-12	21A470789	Ceramic, disc type: 5000 mmf 450V
CHOKE & CAPACITOR		
E-2	24K691986	Choke & .05 mf 200V paper capaci- tor
RECTIFIER		
E-1	48B791092	Selenium rectifier; half-wave...
COILS		
L-1	1X692056	Antenna Loop & Leads Assembly (SL1 & SL1U)
	1X692139	Antenna Loop & Front Cover Assembly: complete; black plastic (SJ1 & SJ1U)
	1X692141	Antenna Loop, Panel & Hinge Assembly: less front cover black plastic (SJ1 & SJ1U)
	24B691936	Antenna Loop & Panel Assembly: less hinges; black plastic (SJ1 & SJ1U)
L-2	24B691987	Oscillator coil (red code) (HS-224 only)
	24K600154	Oscillator coil (white code) (HS-250 only)

REF. NO.	PART NO.	DESCRIPTION
SPEAKER		
LS-1	50B692037	Speaker: 3½" PM; 3.2 ohm VC.
	or 50B692038	Speaker: 3½" PM; 3.2 ohm VC.
RESISTORS		
Note: All resistors are insulated, carbon type unless otherwise specified.		
R-1	6R2122	4.7 meg 20% ½W
R-2	6R6031	100,000 10% ½W
R-3	6R6397	22,000 10% ½W
R-4	6R2109	10 meg 20% ½W
R-5	6R5683	27 10% ½W
R-6	6R2118	3.3 meg 20% ½W
R-7	17K692009	Wire wound: 2150 5% 10W; tapped
R-8	6R5581	3300 10% ½W
R-9	18A692018	Volume control: 1 meg; with on-off switch
R-10	6R5554	390 10% ½W
R-11	6R2109	10 meg 20% ½W
R-12	6R6004	1 meg 20% ½W
R-13	6R2122	4.7 meg 20% ½W
R-14	6R2118	3.3 meg 20% ½W
R-15	6R6432	270 10% ½W
R-16	6B6040	680 10% ½W
R-17	6R6269	820 10% ½W
R-18	6R6015	220,000 20% ½W
SWITCHES		
S-1	40B471927	Rotary switch, 5PDT (AC/DC, battery selector)(HS-224 only)
	40K600156	Rotary switch, 4PDT (AC/DC, battery selector)(HS-250 only). On-off switch (on volume control)
S-2		
TRANSFORMERS		
T-1	24B692014	IF Transformer, 455 Kc; complete with capacitors, less shield...
T-2	24B692015	Diode Transformer, 455 Kc; com- plete with capacitors, less shield
T-3	25K692006	Output Transformer