

Adjustment and Alignments

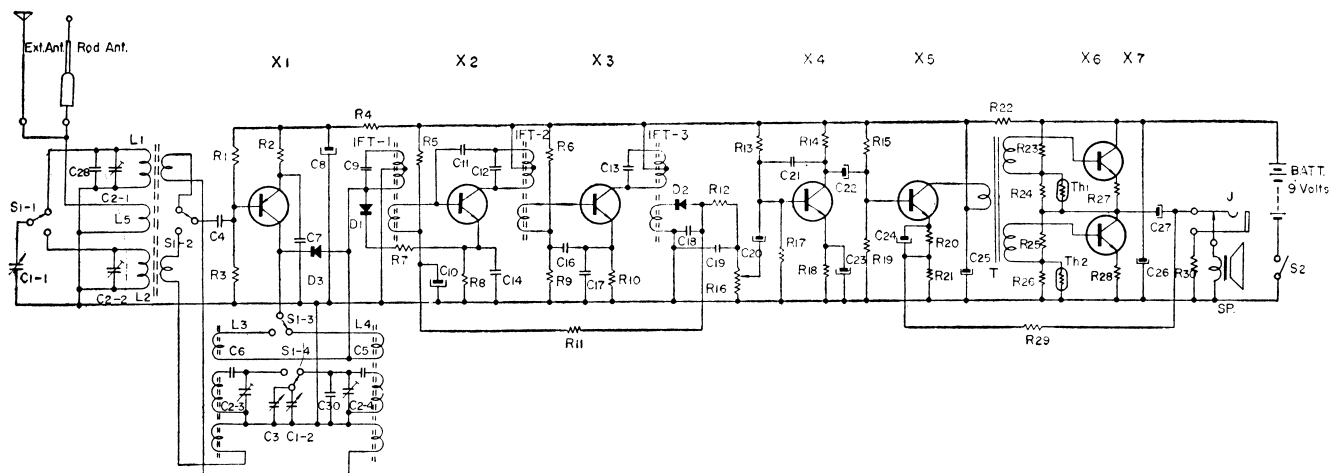
a) Frequency Coverage :

	Lower Limit	Adjust	Upper Limit	Adjust
MW	520 Kc	Core of L ₄	1,680 Kc	C ₂₋₄
SW	3.8 Mc	Core of L ₃	12.6 Mc	C ₂₋₃

b) Tracking Alignment

	Checking Point		Adjust
MW	620 Kc	1,400 Kc	Position of L ₁ C ₂₋₁
SW	3.8 Mc	12.6 Mc	Position of L ₂ C ₂₋₂

Schematic Diagram for TR-725



Electronic Parts List for TR-725

Part No.	Symbol	Description	Part No.	Symbol	Description	Part No.	Symbol	Description
1-501-021-00	TA	Telescopic Antenna			Carbon Resistor			Capacitor
1-401-110-00	L ₁	MW Antenna Coil	1-203-420-00	R ₄	470 Ω RD 1/16 RL ± 5%	1-121-115	C ₄	100 μF 6 V Electrolytic
1-401-110-00	L ₂	SW Antenna Coil	1-203-434-00	R ₉	3.3 K Ω " "		C ₉	150 PF built in IFT
1-405-085-00	L ₃	SW Oscillator Coil	1-203-420-00	R ₁₀	470 Ω " "	1-121-112	C ₁₀	10 μF 3 V Electrolytic
1-405-063-22	L ₄	MW Oscillator Coil	1-203-425-00	R ₁₁	5.6 K Ω " "	1-101-045	C ₁₁	1 PF ± 0.5 P Ceramic
1-401-110-00	L ₅	External Antenna Coil	1-203-420-00	R ₁₂	470 Ω " "		C ₁₂	150 PF built in IFT
1-403-025-02	IFT ₁	IF Transformer	1-203-635-00	R ₁₃	39 K Ω " "		C ₁₃	" "
1-403-026-02	IFT ₂	"	1-203-423-00	R ₁₄	2.2 K Ω " "	1-101-073	C ₁₄	0.02 μF ± 20% Ceramic
1-403-027-02	IFT ₃	"	1-203-593-00	R ₁₅	36 K Ω " "		C ₁₅	—deleted—
1-423-044	T	Driving Transformer	1-221-259-00	R ₁₆	Volume Control 5 K Ω			Capacitor
1-502-046	SP	Speaker			Carbon Resistor			
1-513-114-01	S ₁	Band Setting Switch	1-203-592-00	R ₁₇	8.2 K Ω RD 1/16 RL ± 5%	1-101-072	C ₁₆	0.01 μF ± 20% Ceramic
1-221-259-01	S ₂	Power Switch with Volume Control	1-203-422-00	R ₁₈	1.5 K Ω " "	1-101-074	C ₁₇	0.04 μF " "
			1-203-427-00	R ₁₉	10 K Ω " "	1-101-073	C ₁₈	0.02 μF " "
	D ₁	Diode IT-23G	1-203-421-00	R ₂₀	1 K Ω " "	1-101-072	C ₁₉	0.01 μF " "
	D ₂	Diode IT-23G	1-203-418-00	R ₂₁	10 Ω " "	1-127-901	C ₂₀	0.3 μF 6 V Electrolytic (ALOX)
	D ₃	Diode IT-26	1-203-419-00	R ₂₂	220 Ω " "	1-101-075	C ₂₁	0.002 μF ± 20% Ceramic
1-201-601-00	Th _{1, 2}	Thermistor CS-120	1-203-434-00	R ₂₃	3.3 K Ω " "	1-127-901	C ₂₂	0.3 μF 6 V Electrolytic (ALOX)
	X ₁	Transistor 2SA122		R ₂₄	220 Ω built in Th.			
	X ₂	" 25C76	1-203-434-00	R ₂₅	3.3 K Ω RD 1/16 RL ± 5%	1-121-112	C ₂₃	10 μF 3 V "
	X ₃	" 25C76		R ₂₆	220 Ω built in Th.	1-121-112	C ₂₄	10 μF 3 V "
	X ₄	" 25C65	1-203-441-00	R ₂₇	3 Ω RD 1/16 RL ± 5%	1-121-110	C ₂₅	30 μF 10 V "
	X ₅	" 25C66	1-203-441-00	R ₂₈	3 Ω " "	1-121-110	C ₂₆	30 μF 10 V "
	X ₆	" 25C65	1-203-421-00	R ₂₉	1 K Ω " "	1-121-110	C ₂₇	30 μF 10 V "
	X ₇	" 25C65	1-203-590-00	R ₃₀	42 Ω " "	1-101-049	C ₂₈	5 PF ± 0.5 PF Ceramic
			1-151-041	C ₁	Tuning Capacitor, 2 gang		C ₂₉	—deleted—
1-203-424-00	R ₁	4.7 K Ω RD 1/16 RL ± 5%		C ₂	Trimmer Capacitor			Capacitor
1-203-434-00	R ₂	3.3 K Ω " "	1-151-107-01	C ₃	Fine Tuning Capacitor	1-101-051	C ₃₀	12 PF ± 10% Ceramic
1-203-630-00	R ₃	18 K Ω " "			Capacitor			
1-203-425-00	R ₄	5.6 K Ω " "	1-101-072	C ₄	0.01 μF ± 20% Ceramic			
1-203-432-00	R ₅ *	140 K Ω " "	1-103-063	C ₅	330 PF ± 5% Styrol			
1-203-593-00	R ₆	36 K Ω " "	1-103-037	C ₆	2000 PF			
1-203-423-00	R ₇	2.2 K Ω " "	1-105-010	C ₇	0.002 μF ± 20% Mylar			