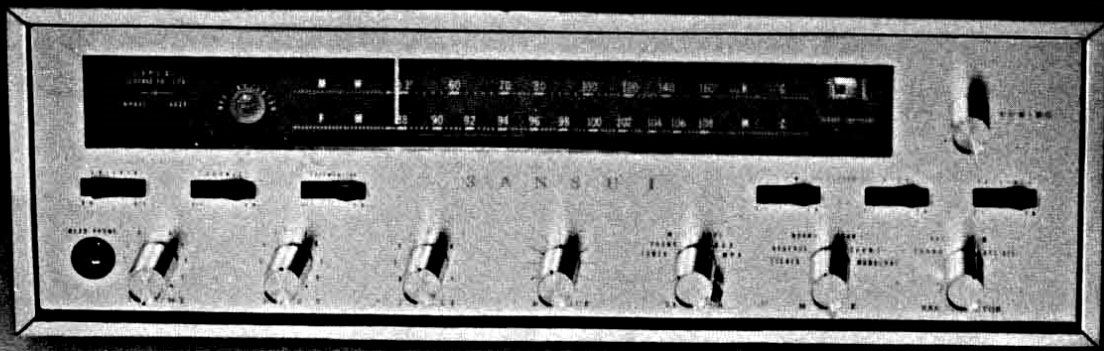




SANSUI FM-MULTIPLEX STEREOPHONIC AMPLIFIER



MODEL 1000

SERVICE MANUAL

PARTS LIST

Part No	Nomenclature
R ₁	1MΩ ¼Watt 10%Carbon Fixed Resistor
R ₂	150K Ω ¼Watt 10%Carbon Fixed Resistor
R ₃	10K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄	4.7MΩ ¼Watt 10%Carbon Fixed Resistor
R ₅	68Ω ¼Watt 10%Carbon Fixed Resistor
R ₆	4K Ω 2 Watt 10%Carbon Fixed Resistor
R ₇	68Ω ¼Watt 10%Carbon Fixed Resistor
R ₈	4K Ω 2 Watt 10%Carbon Fixed Resistor
R ₉	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₁	15K Ω ½Watt 10%Carbon Fixed Resistor
R ₁₂	15K Ω 1 Watt 10%Carbon Fixed Resistor
R ₁₃	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₄	1K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₅	1K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₆	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₇	150K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₈	10K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₉	20K Ω ¼Watt 10%Carbon Fixed Resistor
R ₂₀	50Ω ¼Watt 10%Carbon Fixed Resistor
R ₂₁	8K Ω 1 Watt 10%Carbon Fixed Resistor
R ₂₂	2MΩ ¼Watt 10%Carbon Fixed Resistor
R ₂₃	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₂₄	50K Ω ¼Watt 10%Carbon Fixed Resistor
R ₂₅	8K Ω 2 Watt 10%Carbon Fixed Resistor
R ₂₆	2MΩ ¼Watt 10%Carbon Fixed Resistor
R ₂₇	2K Ω ¼Watt 10%Carbon Fixed Resistor
R ₂₈	630Ω ¼Watt 10%Carbon Fixed Resistor
R ₂₉	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₃₀	100Ω ¼Watt 10%Carbon Fixed Resistor
R ₃₁	100K Ω ½Watt 10%Carbon Fixed Resistor
R ₃₂	15K Ω ½Watt 10%Carbon Fixed Resistor
R ₃₃	1.1K Ω 10Watt 10%Wirewound Resistor
R ₃₄	1.1K Ω 10Watt 10%Wirewound Resistor
R ₃₅	1 Ω 2 Watt 10%Carbon Fixed Resistor
R ₃₆	3K Ω ¼Watt 10%Carbon Fixed Resistor
R ₃₇	5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₃₈	500Ω ¼Watt 10%Carbon Fixed Resistor
R ₃₉	15K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄₀	15K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄₁	5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄₂	5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄₃	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄₄	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₄₅	100K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₄₆	100K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₄₇	170K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₄₈	170K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₄₉	15K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₀	15K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₁	250Ω ¼Watt 10%Carbon Fixed Resistor
R ₅₂	250Ω ¼Watt 10%Carbon Fixed Resistor
R ₅₃	15K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₄	15K Ω ¼Watt 10%Carbon Fixed Resistor

Part No	Nomenclature
R ₅₅	120K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₆	120K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₇	30K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₈	30K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₅₉	7.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₀	7.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₁	16K Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₂	16K Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₃	8K Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₄	8K Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₅	15K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₆₆	15K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₆₇	100Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₈	100Ω ¼Watt 10%Carbon Fixed Resistor
R ₆₉	6.5K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₇₀	6.5K Ω ¼Watt 10%Carbon Fixed Resistor (noise less)
R ₇₁	50K Ω ¼Watt 10%Carbon Fixed Resistor
R ₇₂	50K Ω ¼Watt 10%Carbon Fixed Resistor
R ₇₃	1MΩ ¼Watt 10%Carbon Fixed Resistor
R ₇₄	1MΩ ¼Watt 10%Carbon Fixed Resistor
R ₇₅	2K Ω ¼Watt 10%Carbon Fixed Resistor
R ₇₆	2K Ω ¼Watt 10%Carbon Fixed Resistor
R ₇₇	100K Ω ½Watt 10%Carbon Fixed Resistor
R ₇₈	100K Ω ½Watt 10%Carbon Fixed Resistor
R ₇₉	100K Ω Resistor enclosed in CRSO-2
R ₈₀	100K Ω Resistor enclosed in CRSO-2
R ₈₁	15K Ω Resistor enclosed in CRSO-2
R ₈₂	15K Ω Resistor enclosed in CRSO-2
R ₈₃	100K Ω Resistor enclosed in CRSO-2
R ₈₄	100K Ω Resistor enclosed in CRSO-2
R ₈₅	2.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₈₆	2.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₈₇	50K Ω ½Watt 10%Carbon Fixed Resistor
R ₈₈	50K Ω ½Watt 10%Carbon Fixed Resistor
R ₈₉	10MΩ ½Watt 10%Carbon Fixed Resistor
R ₉₀	10MΩ ½Watt 10%Carbon Fixed Resistor
R ₉₁	200K Ω ¼Watt 10%Carbon Fixed Resistor
R ₉₂	200K Ω ¼Watt 10%Carbon Fixed Resistor
R ₉₃	50K Ω Resistor enclosed in CRSO-1
R ₉₄	50K Ω Resistor enclosed in CRSO-1
R ₉₅	50K Ω Resistor enclosed in CRSO-1
R ₉₆	50K Ω Resistor enclosed in CRSO-1
R ₉₇	50K Ω Resistor enclosed in CRSO-1
R ₉₈	50K Ω Resistor enclosed in CRSO-1
R ₉₉	40K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₀	40K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₁	1.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₂	1.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₃	100K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₄	2.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₅	2.5K Ω ¼Watt 10%Carbon Fixed Resistor
R ₁₀₆	2.5K Ω ¼Watt 10%Carbon Fixed Resistor

PARTS LIST

Part No	Nomenclature
R ₁₀₇	150K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₀₈	150K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₀₉	600K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₁₀	600K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₁₁	5K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₁₂	5K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₁₃	30K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₁₄	30K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₁₅	6K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₁₆	50K Ω 1 Watt 10%Carbon Fixed Resistor
R ₁₁₇	30K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₁₈	30K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₁₉	1K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₀	1K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₁	400K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₂	400K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₃	400K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₄	400K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₅	1K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₆	1K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₂₇	4K Ω 2 Watt 10%Carbon Fixed Resistor
R ₁₂₈	5K Ω 2 Watt 10%Carbon Fixed Resistor
R ₁₂₉	8 Ω 10Watt 10% Wire wound Resistor
R ₁₃₀	8 Ω 10Watt 10% Wire wound Resistor
R ₁₃₁	100 Ω 1 Watt 10%Carbon Fixed Resistor
R ₁₃₂	6K Ω 1 Watt 10%Carbon Fixed Resistor
R ₁₃₃	100 Ω 1 Watt 10%Carbon Fixed Resistor
R ₁₃₄	15K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₃₅	500K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₃₆	3K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₃₇	5K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₃₈	2M Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₃₉	1K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₀	1. 1K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₁	500K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₂	30K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₃	100K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₄₄	50K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₅	50K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₆	50K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₇	50K Ω ¼ Watt 10%Carbon Fixed Resistor
R ₁₄₈	10M Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₄₉	15K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₅₀	20K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₅₁	20K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₅₂	15K Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₅₃	10M Ω ½ Watt 10%Carbon Fixed Resistor
R ₁₅₄	30K Ω 1 Watt 10%Carbon Fixed Resistor
R ₁₅₅	50K Ω Resistor enclosed in CRS-1
R ₁₅₆	10K Ω Resistor enclosed in CRS-1
R ₁₅₇	8K Ω Resistor enclosed in CRS-1
R ₁₅₈	50K Ω Resistor enclosed in CRS-1
R ₁₅₉	10K Ω Resistor enclosed in CRS-1
R ₁₆₀	8K Ω Resistor enclosed in CRS-1
C ₁	10PF 250WV 10% ceramic tubular
C ₂	0. 02 μ F 250WV 10% ceramic tubular
C ₃	10PF 250WV 10% ceramic tubular
C ₄	100PF 250WV 10% ceramic tubular
C ₅	13. 5PF 250WV 10% ceramic tubular
C ₆	12PF 250WV 10% ceramic tubular
C ₇	7PF 250WV 10% ceramic tubular

Part No	Nomenclature
C ₈	18PF 250WV 10% ceramic tubular
C ₉	0. 002 μ F 250WV 10% ceramic tubular
C ₁₀	10PF 250WV 10% ceramic tubular
C ₁₁	0. 01 μ F 250WV 10% ceramic tubular
C ₁₂	0. 01 μ F 250WV 10% ceramic tubular
C ₁₃	0. 01 μ F 250WV 10% ceramic tubular
C ₁₄	0. 01 μ F 250WV 10% ceramic tubular
C ₁₅	50PF 250WV 10% ceramic tubular
C ₁₆	0. 01 μ F 250WV 10% ceramic tubular
C ₁₇	10 μ F 150WV electrolytic tubular
C ₁₈	50PF 250WV 10% ceramic tubular
C ₁₉	50PF 250WV 10% ceramic tubular
C ₂₀	350PF 500WV 10% Mica tubular
C ₂₁	10PF 250WV 10% ceramic tubular
C ₂₂	350PF 550WV 10% Mica tubular
C ₂₃	50PF 250WV 10% ceramic tubular
C ₂₄	10 μ F 150WV electrolytic tubular
C ₂₅	0. 01 μ F 250WV 10% ceramic tubular
C ₂₆	0. 01 μ F 250WV 10% ceramic tubular
C ₂₇	0. 05 μ F 250WV 10% ceramic tubular
C ₂₈	50PF 250WV 10% ceramic tubular
C ₂₉	50PF 250WV 10% ceramic tubular
C ₃₀	0. 01 μ F 250WV 10% ceramic tubular
C ₃₁	20 μ F 300WV electrolytic Lug terminal
C ₃₂	0. 01 μ F 250WV 10% ceramic tubular
C ₃₃	40 μ F 180WV electrolytic tubular
C ₃₄	0. 01 μ F 250WV 10% ceramic tubular
C ₃₅	50 μ F 50WV electrolytic tubular
C ₃₆	20 μ F 300WV electrolytic Lug terminal
C ₃₇	40 μ F 350WV electrolytic Lug terminal
C ₃₈	40 μ F 300WV electrolytic Lug terminal
C ₃₉	40 μ F 350WV electrolytic Lug terminal
C ₄₀	200 μ F 180WV electrolytic tubular
C ₄₁	200 μ F 180WV electrolytic tubular
C ₄₂	50 μ F 50WV electrolytic tubular
C ₄₃	25 μ F 50WV electrolytic tubular
C ₄₄	25 μ F 50WV electrolytic tubular
C ₄₅	200 μ F 25WV electrolytic tubular
C ₄₆	200 μ F 25WV electrolytic tubular
C ₄₇	0. 005 μ F 250WV 10% ceramic tubular
C ₄₈	0. 01 μ F 250WV 10% ceramic tubular
C ₄₉	0. 01 μ F 250WV 10% ceramic tubular
C ₅₀	0. 002 μ F 250WV 10% ceramic tubular
C ₅₁	30 μ F 10WV electrolytic tubular
C ₅₂	30 μ F 10WV electrolytic tubular
C ₅₃	30 μ F 10WV electrolytic tubular
C ₅₄	30 μ F 10WV electrolytic tubular
C ₅₅	30 μ F 12WV electrolytic tubular
C ₅₆	30 μ F 12WV electrolytic tubular
C ₅₇	30 μ F 10WV electrolytic tubular
C ₅₈	30 μ F 10WV electrolytic tubular
C ₅₉	0. 01 μ F 75WV 10% Myler tubular
C ₆₀	0. 01 μ F 75WV 10% Myler tubular
C ₆₁	0. 04 μ F 75WV 10% Myler tubular
C ₆₂	0. 04 μ F 75WV 10% Myler tubular
C ₆₃	10 μ F 12WV electrolytic tubular
C ₆₄	10 μ F 12WV electrolytic tubular
C ₆₅	0. 013 μ F 75WV 10% Myler tubular
C ₆₆	0. 013 μ F 75WV 10% Myler tubular
C ₆₇	0. 05 μ F 75WV 10% Myler tubular
C ₆₈	0. 05 μ F 75WV 10% Myler tubular

PARTS LIST

Part No	Nomenclature
C 69	150P F 500WV 10%mica tubular
C 70	150P F 500WV 10%mica tubular
C 71	0. 01 μ F 400WV 10%oil tubular
C 72	0. 01 μ F 400WV 10%oil tubular
C 73	0. 01 μ F 400WV 10%oil tubular
C 74	0. 02 μ F 400WV 10%oil tubular
C 75	0. 02 μ F 400WV 10%oil tubular
C 76	30 μ F 6WV electrolytic tubular
C 77	30 μ F 6WV electrolytic tubular
C 78	20 μ F 350WV electrolytic tubular
C 79	0. 02 μ F 400WV 10%oil tubular
C 80	0. 02 μ F 400WV 10%oil tubular
C 81	150P F 500WV 10%mica tubular
C 82	150P F 500WV 10%mica tubular
C 83	20P F 250WV 10%ceramic tubular
C 84	20P F 250WV 10%ceramic tubular
C 85	0. 001 μ F 400WV 10%oil tubular
C 86	0. 001 μ F 400WV 10%oil tubular
C 87	0. 003 μ F condenser enclosed in CRSO-2
C 88	0. 003 μ F condenser enclosed in CRSO-2
C 89	0. 03 μ F condenser enclosed in CRSO-2
C 90	0. 03 μ F condenser enclosed in CRSO-2
C 91	0. 02 μ F 400WV 10%oil tubular
C 92	0. 02 μ F 400WV 10%oil tubular
C 93	0. 01 μ F 400WV 10%oil tubular
C 94	0. 01 μ F 400WV 10%oil tubular
C 95	0. 003 μ F 400WV 10%oil tubular
C 96	0. 003 μ F 400WV 10%oil tubular
C 97	300P F condenser enclosed in CRS-1
C 98	300P F condenser enclosed in CRS-1
C 99	200P F condenser enclosed in CRS-1
C 100	200P F condenser enclosed in CRS-1
C 101	200P F condenser enclosed in CRS-1
C 102	200P F condenser enclosed in CRS-1
C 103	400P F 500WV 10%mica tubular
C 104	400P F 500WV 10%mica tubular
C 105	0. 2 μ F 250WV 10%M.P condenser
C 106	0. 2 μ F 250WV 10%M.P condenser
C 107	30 μ F 6WV electrolytic tubular
C 108	30 μ F 6WV electrolytic tubular
C 109	200P F 500WV 10%mica tubular
C 110	200P F 500WV 10%mica tubular
C 111	20 μ F 300WV electrolytic lug terminal
C 112	0. 5 μ F 250WV 10%M.P condenser
C 113	0. 3 μ F 250WV 10%M.P condenser
C 114	0. 3 μ F 250WV 10%M.P condenser
C 115	0. 3 μ F 250WV 10%M.P condenser
C 116	0. 3 μ F 250WV 10%M.P condenser
C 117	20 μ F 300WV electrolytic lug terminal
C 118	0. 5 μ F 250WV 10%M.P condenser
C 119	0. 01 μ F 400WV 10%oil tubular
C 120	40 μ F 180WV electrolytic tubular
C 121	0. 1 μ F 400WV 10%oil tubular
C 122	300P F 500WV 5%mica tubular
C 123	200P F 500WV 5%mica tubular
C 124	150P F 250WV 10%ceramic tubular
C 125	150P F 250WV 10%ceramic tubular
C 126	1500P F 500WV 5%mica tubular
C 127	0. 001 μ F 400WV 10%oil tubular
C 128	1 μ F 150WV electrolytic tubular
C 129	0. 01 μ F 400WV 10%oil tubular

Part No	Nomenclature
C 130	3000P F 500WV 5%mica tubular
C 131	0. 001 μ F 400WV 10%oil tubular
C 132	0. 003 μ F 400WV 10%oil tubular
C 133	0. 001 μ F 400WV 10%oil tubular
C 134	300P F 500WV 5%mica tubular
C 135	80P F condenser enclosed in CRS-1
C 136	500P F condenser enclosed in CRS-1
C 137	430P F condenser enclosed in CRS-1
C 138	0. 003 μ F 400WV 10%oil tubular
C 139	80P F condenser enclosed in CRS-1
C 140	430P F condenser enclosed in CRS-1
C 141	500P F condenser enclosed in CRS-1
VR-1	HUM. Balance 100 Ω
VR-2	HUM. Balance 100 Ω
VR-3	Variable Resistor, type 24 ϕ 5K Ω (B)
VR-4	Variable Resistor, type 24 ϕ 5K Ω (B)
VR-5	Variable Resistor, type 24 ϕ 500K Ω (A) (Roudness. tap~ 120K Ω)
VR-6	Variable Resistor, type 24 ϕ 500K Ω (A)
VR-7	Variable Resistor, type 24 ϕ 1MIN) (Tone control)
VR-8	Variable Resistor, type 24 ϕ 1MIN) (Tone control)
VR-9	Variable Resistor, type 24 ϕ 50K(A)
VR-10	Variable Resistor, type 24 ϕ 500K Ω (A)(C) (Balance control)
VC ₁	Variable capacity(FM.tuning)
VC ₂	Variable capacity(FM.osillator)
VC ₃	Variable capacity(AM.Tuning)
VC ₄	Variable capacity(AM.osillator)
TC-1	Trimmer condenser
TC-2	Trimmer condenser
TC-3	Trimmer condenser
PT	Pating condenser
V ₁	Vacuumtube 6AQ8
V ₂	Vacuumtube 6BA6
V ₃	Vacuumtube 6BA6
V ₄	Vacuumtube 6BA6
V ₅	Vacuumtube 6BE6
V ₆	Vacuumtube 12A \times 7
V ₇	Vacuumtube 6AN8
V ₈	Vacuumtube 25E5
V ₉	Vacuumtube 25E5
V ₁₀	Vacuumtube 12A \times 7
V ₁₁	Vacuumtube 6AN8
V ₁₂	Vacuumtube 25E5
V ₁₃	Vacuumtube 25E5
V ₁₄	Vacuumtube 12AT7
V ₁₅	Vacuumtube 6BL8
V ₁₆	Vacuumtube 12AU7
T ₁	ZMO7-AA-1 46mH \pm 20%(19K %)
T ₂	MPT-3A 7mH \pm 20%(19K %)
T ₃	MPT-3B 7mH \pm 20%(38K %)
T ₄	MFC-3 25mH \pm 20%(167K %)

PARTS LIST

Part No	Nomenclature
T ₅	FM antenna
T ₆	1st FM(10.7MC)AM(455KC)I.F.T.
T ₇	2nd FM(10.7MC)AM(455KC)I.F.T.
T ₈	3rd FM I.F.T.(10.7MC)
T ₉	FM Discriminator (10.7MC)
T ₁₀	power transformer
T ₁₁	Output transformer primary = 3.5K Ω secondary 8 Ω , 16 Ω , 32 Ω
T ₁₂	Output transformer primary = 3.5K Ω secondary 8 Ω , 16 Ω , 32 Ω
L ₁	FM plate coil
L ₂	FM oscillator coil
L ₃	AM loopstick antenna coil
L ₄	AM oscillator coil
IS-352	Variable capacitor
OA-81	Ge. diode-VDM 115V ID 50mA +75 $^{\circ}$ C -55 $^{\circ}$ C
SD	Silicon diode AC 120V DC500mA -55 $^{\circ}$ C + 130 $^{\circ}$ C
SE	Selenium Rectifier
TR ₁	transistor 2SB-381-2A
TR ₂	transistor 2SB-381-2A
TR ₃	transistor 2SB-381-2A

Part No	Nomenclature
TR ₄	transistor 2SB- 81-2A
JC-1	Power Adjustment for 100V /117V /240V AC
JC-2	D.I.N Jack(tape Recorder connector)
JC-3	Headphone Jack
PL	Pilot Lamp 6.3V 0.15A
RELAY	587-313-MB DC6mA
S _{1(a-b)}	Band selector
S _{2(a-b)}	Input selector
S _{3(a-b)}	Mode switch
S _{4(a-b)}	Input selector
S _{5(a-b)}	High Filter switch
S _{6(a-b)}	MAG / X-TAL Change-over switch Slide type
S _{7(a-b)}	presence switch
S ₈	power switch
S _{9(a-b)}	loudness switch
S _{10(a-b)}	Tape Monitor switch
S _{11(a-b)}	Headphone / speaker change-over switch
F	Fuse 3A
(M)	Tuning Indicator
SM-80L	Choke coil L=2H
LH	Heater choke coil

ALIGNMENT

AM ALIGNMENT PROCEDURE

STEP	ALIGN.	GENRATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Trans-former	455 KC \pm 30KC sweep	Pin 7 6BE6	Oscilloscope at T. P. ③		1st IFT - Primary & secondary	Best IFT Wave form
2.	OSC	600 KC 400c /s 30 % Modulation	Antenna Terminals	Oscilloscope & VTVM at output load	600KC	2nd IFT - Primary & secondary OSC coil	Maximum
3.	OSC	1400 KC 400c /s 30 % Modulation	Same	Same	1400 KC	OSC Trimmer	Maximum
4.		Reiterate 2. 3.					
5.	RF Amp.	600 KC 400c /s 30 % Modulation	Antenna Terminals	Oscilloscope & VTVM at output load	600 KC	RF coil	Maximum
6.	RF Amp.	1400 KC 400c /s 30 % Modulation	Same	Same	1400KC	RF Trimmer	Maximum

ALIGNMENT

FM ALIGNMENT PROCEDURE

1. AFC-OFF 2. Turn tuning gang fully Center carrier wave. Set pointer at reference mark.

STEP	ALIGN.	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Transformer	10.7 MC ±400 KCsweep	FM Sweep Gen. connect to pin 7 of converter tube(6AQ8).	Oscilloscope at T.P. ①		1st IFT 2nd IFT 3rd IFT	Best IFT Wave from
2.	Discriminator	Same	Same	Oscilloscope & T.P. ②		Discriminator Transformer	S curve
3.	OSC	84 MC 400c/s 30% Modulation	Antenna Terminals	Oscilloscope & VTVM at output load	84 MC	OSC coil	Maximum
4.	OSC	104 MC 400c/s 30% Modulation	Same	Same	104MC	OSC Trimmer	Maximum
5.		Reiterate 3.4.					
6.	RF Amp.	84 MC 400c/s 30% Modulation	Antenna Terminals	Oscilloscope & VTVM at output load	84 MC	RF Amp. coil	Maximum
7.	RF Amp.	104 MC 400c/s 30%	Same	Same	104MC	RF trimmer	Maximum
8.		Reiterate 6. 7.					

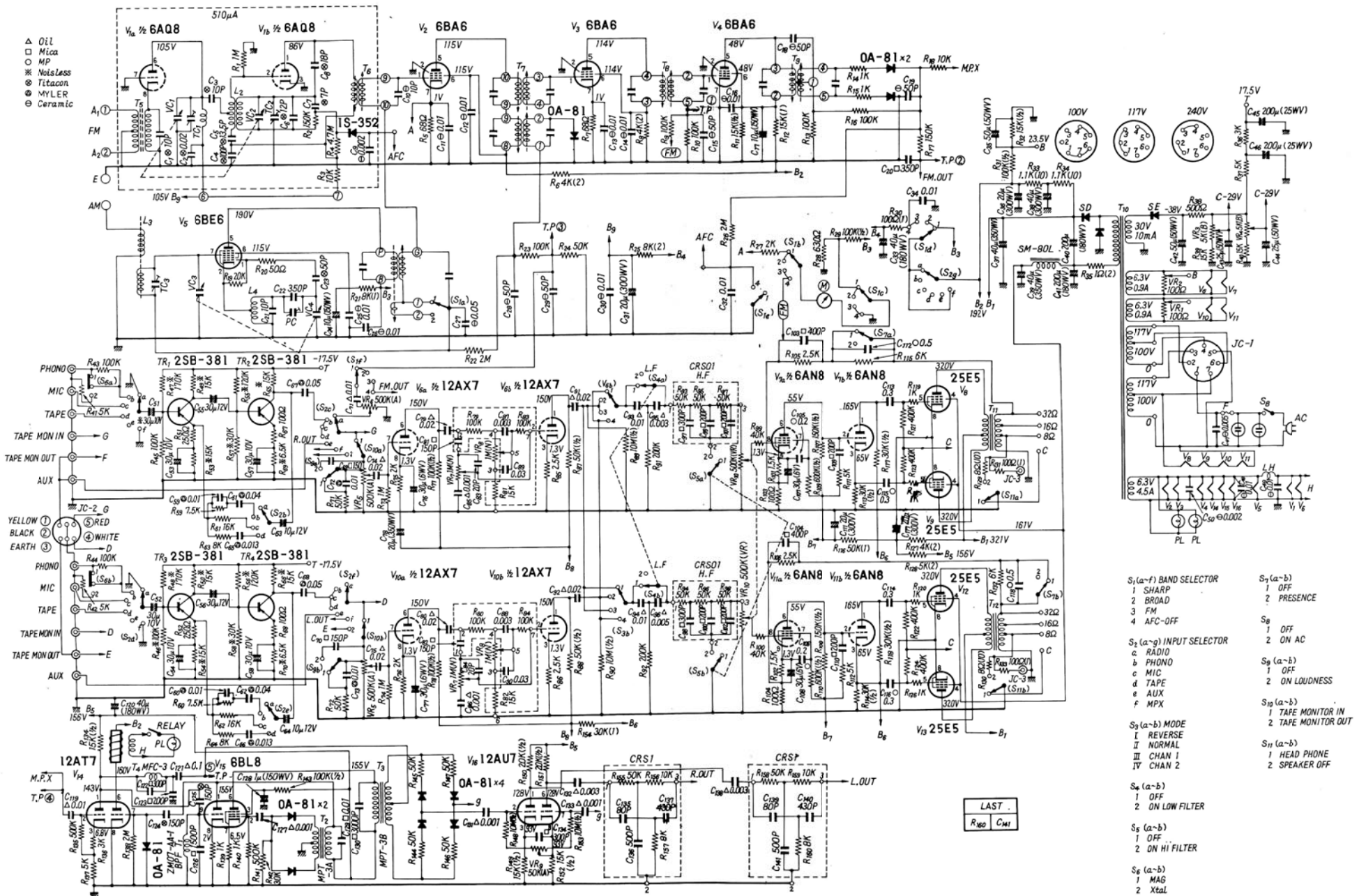
MULTIPLEX ALIGNMENT PROCEDURE

1. Do not attempt to align the Multiplex Circuit unless the following equipment is available:
- a. Multiplex Stereo Generator
 - b. FM Signal Generator
 - c. Oscilloscope
 - d. Sweep Generator
 - e. AC V.T.V.M
 - f. Audio oscillator

STEP	ALIGN.	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	ADJUST	ADJUST FOR
1.	67 KC Trap	67 KC Audio Signal	Connect to T.P. ④	VTVM at T.P. ⑤	T 4	Minimum
2.	19 KC Transformer	FM Signal Gen. Modulated 30% by Stereo Gen. sub Channel	Antenna Terminals Tune to signal	VTVM & Oscilloscope at Output load.	T 1	Maximum
3.	19 KC Transformer	Same	Same	Same	T 2	Maximum
4.	38 KC Transformer	Same	Same	Same	T 3	Maximum
5.	Separation VR	FM Signal Gen. Modulated 30% by Stereo Signal Gen. Channel A	Same	VTVM & Oscilloscope at Out. put load Channel B	Separation VR	Channel A Minimum

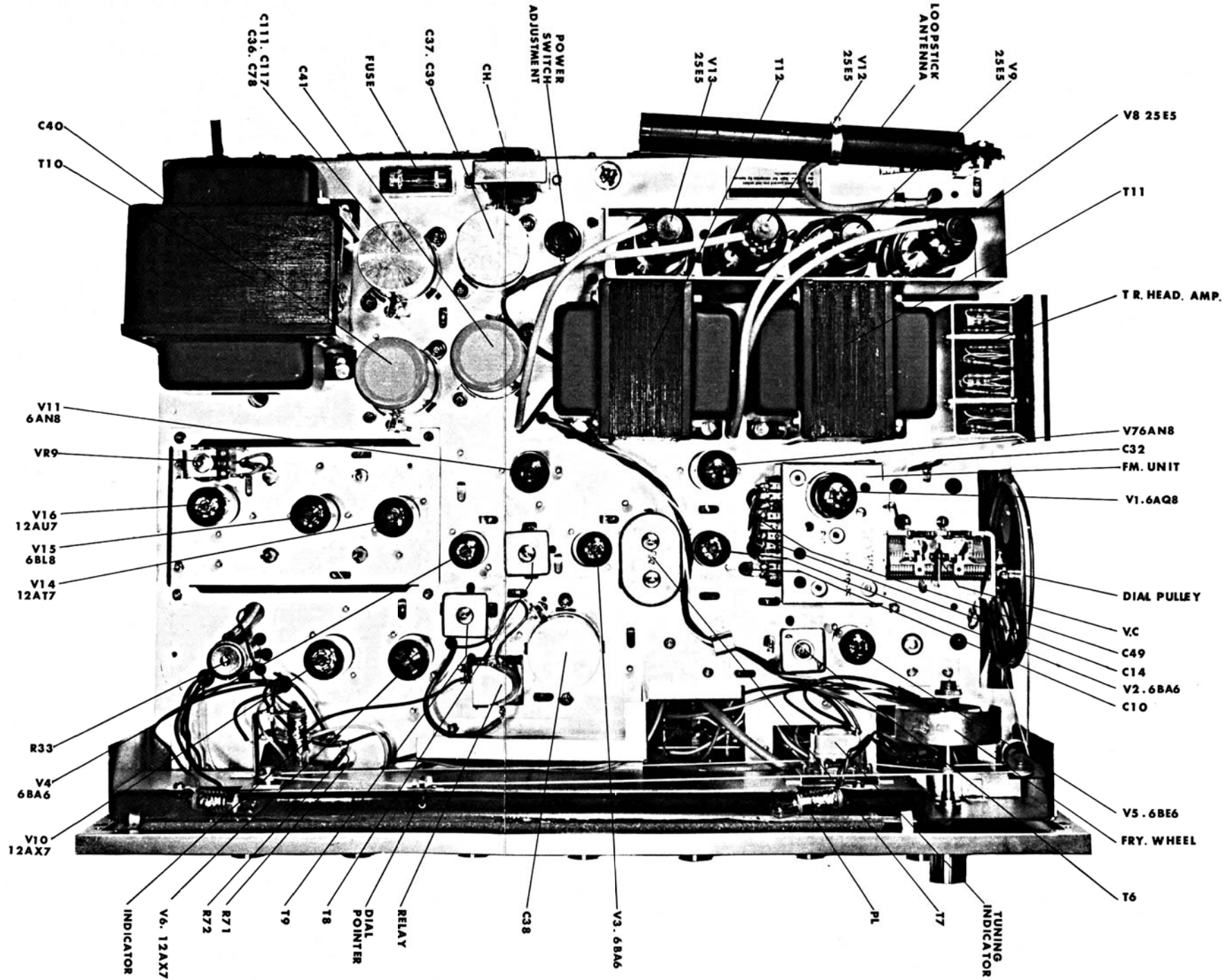
SCHEMATIC DIAGRAM

- △ Oil
- Mica
- MP
- ※ NoisLess
- ⊗ Titanon
- ⊙ MYLER
- ⊖ Ceramic

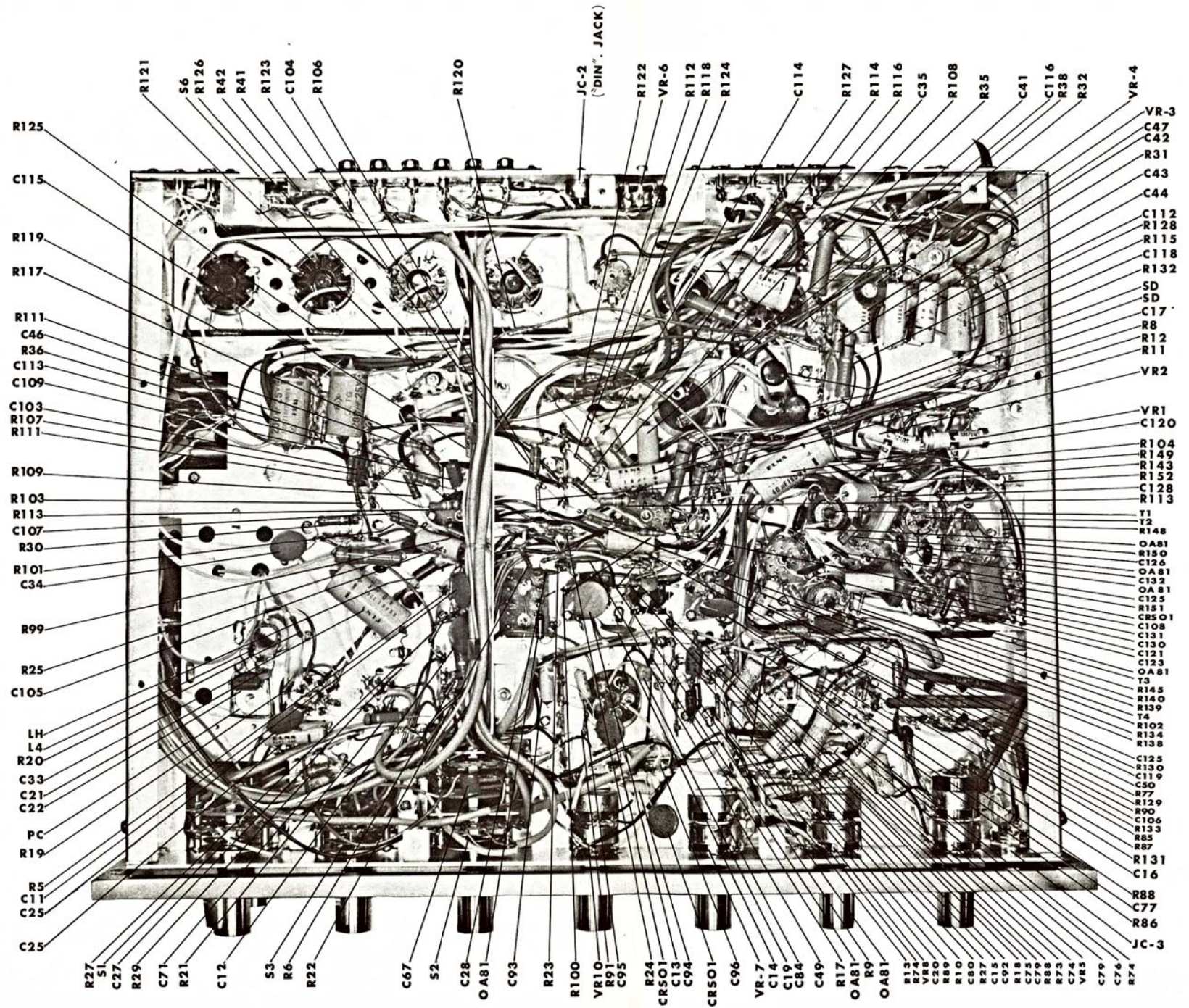


- S₁ (a-f) BAND SELECTOR**
- 1 SHARP
 - 2 BROAD
 - 3 FM
 - 4 AFC-OFF
- S₂ (a-g) INPUT SELECTOR**
- a RADIO
 - b PHONO
 - c MIC
 - d TAPE
 - e AUX
 - f MPX
- S₃ (a-b) MODE**
- I REVERSE
 - II NORMAL
 - III CHAN 1
 - IV CHAN 2
- S₄ (a-b)**
- 1 OFF
 - 2 ON LOW FILTER
- S₅ (a-b)**
- 1 OFF
 - 2 ON HI FILTER
- S₆ (a-b)**
- 1 MAG
 - 2 Xtal
- S₇ (a-b)**
- 1 OFF
 - 2 PRESENCE
- S₈**
- 1 OFF
 - 2 ON AC
- S₉ (a-b)**
- 1 OFF
 - 2 ON LOUDNESS
- S₁₀ (a-b)**
- 1 TAPE MONITOR IN
 - 2 TAPE MONITOR OUT
- S₁₁ (a-b)**
- 1 HEAD PHONE
 - 2 SPEAKER OFF

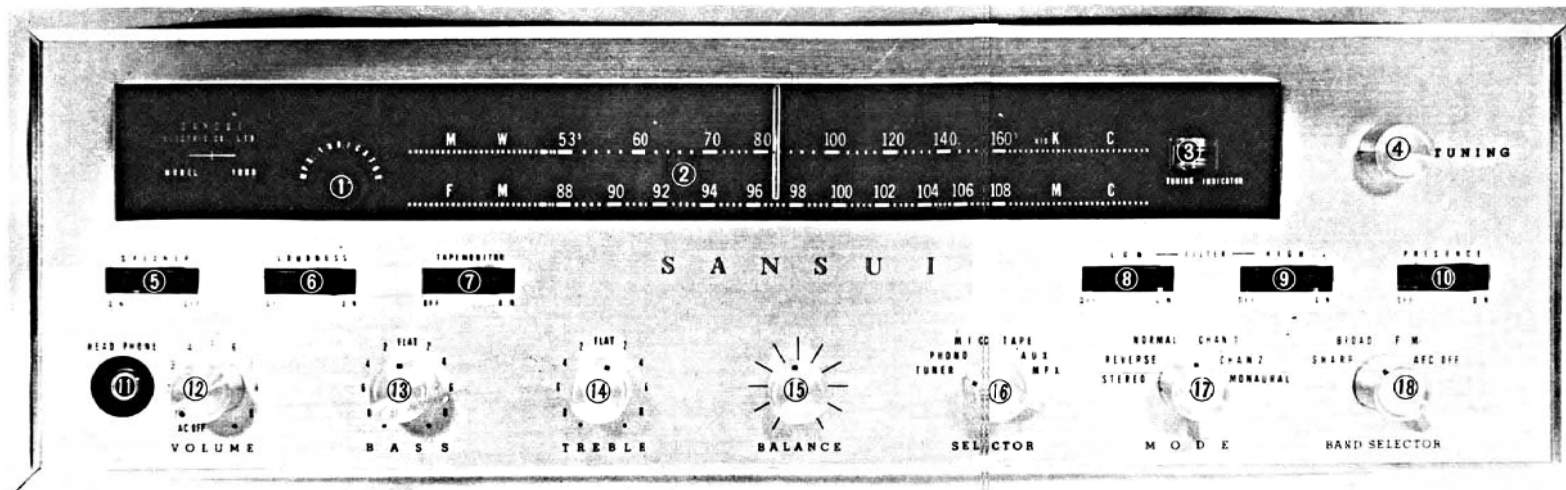
CHASSIS TOP VIEW



CHASSIS BOTTOM VIEW



LOCATION OF CONTROLS & TERMINALS



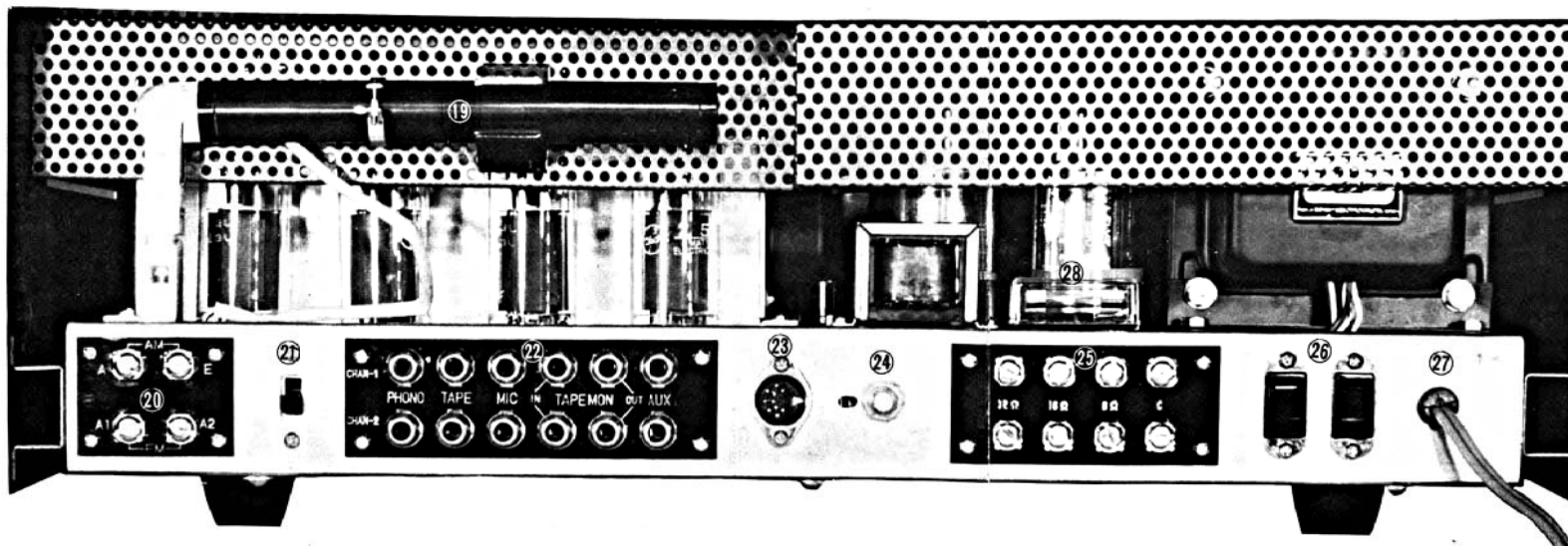
- (1) FM MPX INDICATOR
- (2) DIAL SCALE
- (3) TUNING INDICATOR
- (4) TUNING KNOB
- (5) SPEAKER SWITCH
- (6) LOUDNESS SWITCH
- (7) TAPEMONITOR SWITCH
- (8) LOW FILTER SWITCH
- (9) HIGH FILTER SWITCH
- (10) PRESENCE SWITCH
- (11) HEAD PHONE JACK
- (12) VOLUME KNOB
- (13) BASS KNOB
- (14) TREBLE KNOB
- (15) BALANCE KNOB
- (16) SELECTOR SWITCH

TUNER
PHONO
MIC
TAPE
AUX
MPX

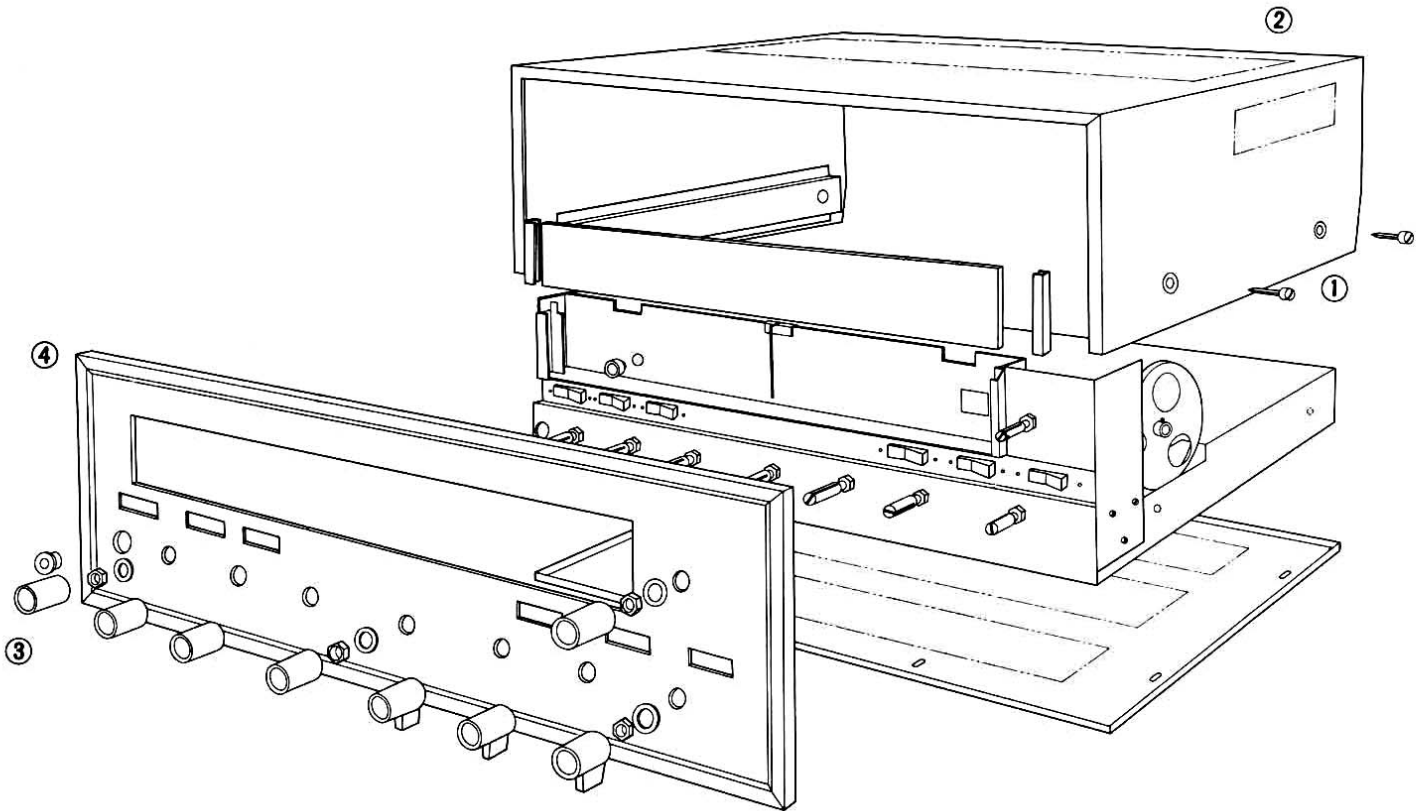
- (17) MODE SWITCH

STEREO	{	NORMAL
		REVERSE
MONAURAL	{	CHAN 1
		CHAN 2

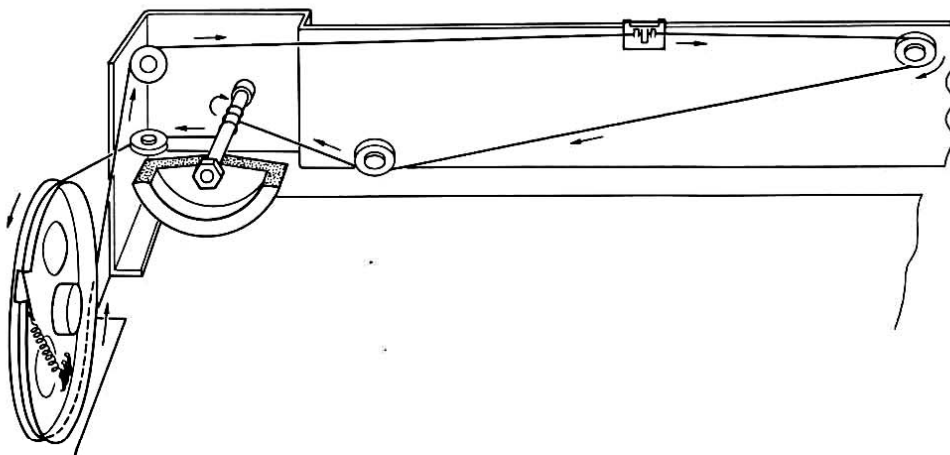
- (18) BAND SELECTOR SWITCH
- SHARP
- BROAD
- FM
- AFC. OFF
- (19) AM FERRITE LOOP STICK ANTENNA
- (20) ANTENNA TERMINAL
- AM ANTENNA TERMINAL(A1, A2)
- FM ANTENNA TERMINAL(A1, A2)
- (21) PICKUP CHANGEABLE SWITCH
- (22) INPUT & OUTPUT TERMINAL
- PHONO, TAPE, MIC, TAPEMON-OUT,
- TAPEMON-IN, AUX,
- (23) RECEPTACLE FOR TAPE RECORDER
- (IDIN JACK)
- (24) ADJUSTMENT SCREW FOR TUNER LEVEL
- (25) SPEAKER TERMINAL
- (26) AC RECEPTACLES
- (27) AC SUPPLY CORD
- (28) FUSE



DISASSEMBLE REMOVALS



DIAL CORD STRINGS



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