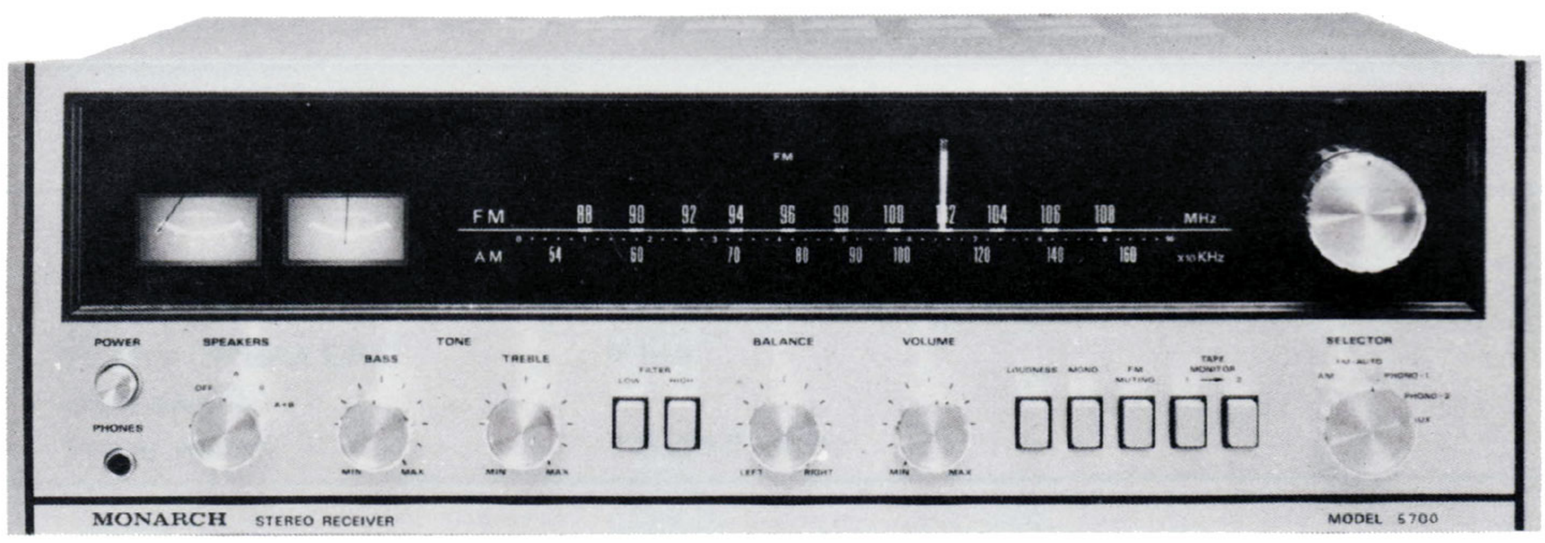
SERVICE MANUAL

MODEL-5700



MONARCH

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EXTERNAL & TOP/BOTTOM CHASSIS

CAPACITOR

Ref. No.	Description		
C1, 2	Electrolytic	6800μF	50WV
C7	Oil filled	0.01μF	600WV(M)
C8	Electrolytic	220μF	6.3WV
C9, 10	Ceramic	0.01μF	+8%, −20%

RESISTOR

Ref. No.	Description			
R1	Composition	27Ω	±10%	½W
R2	Composition	22Ω	±10%	½W
R3, 4	Carbon film	100kΩ	±5%	¼W
R5, 6	Carbon film	4.7kΩ	±5%	¼W
R7, 8	Carbon film	330kΩ	±5%	¼W
R9, 10	Carbon film	100kΩ	±5%	¼W
R11, 12	Composition	390Ω	±10%	½W

SEMICONDUCTOR

Ref. No.	Description
Q1—4	2SC793 (Y)

SWITCH

Ref. No.	Description	
S1	Rotary (SELECTOR)	Y485
S2	Rotary (SPEAKERS)	Y144
S8	Slide switch	
S9	Power switch	Y3510-21.P.P

MISCELLANEOUS

Ref. No.	Description	
	Panel	
	Dial scale board	
	Push switch button (square)	
	Push switch button (round)	
	Bushing for push button (square)	
	Bushing for push button (round)	
	Dial pointer	
	Name plate	
	Knob	D34
	Knob	D27P
	Knob	D22P
	Chassis	
	Bonnet	
	Bottom board	
	Pulley	
	Pulley shaft	
	Tuning meter (TUNING)	
PL1—5	Tuning meter (SIGNAL)	
PL6—11	Fuse holder	
	Pilit lamp (6V50mA, with lead)	
	Pilot lamp (8V200mA, fuse type)	

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Ref. No.	Description	
PL13	Pilot lamp (6V50mA, with lead)	
	Flywheel	
T1		
T2	Headphone jack	
	Balloon transformaer 4Z441	
	Power transformer T90828	
	FM/AM Tuner pack FL412U	
	Dial drum	
	Dial spring	
	Dial string	
	Heat sink	
	Transistor socket	
	Screw terminal board	
	Pin-jack board 8P or 5P DIN JACK x2	
	Pin-jack board 6P or 5P DIN JACK x3	
	Pin-jack board 2P	
	Fuse post (screw type)	
L1	Cord stopper (for power cord)	
	AC outlet	
F1	DIN jack 5P	
	Cord stopper (for ANTENNA)	
	AM antenna coil	200μH
	P.C. Board for balloon transformer	070400
	Fuse 2A	
	Power cord	
	Rubber leg	
	Carton box	
	Instruction manual	

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PRE AMP SECTION NO. 010900

CAPACITOR

Ref. No.	Description		
C101, 102	Electrolytic	1μF	25WV
C103, 104	Electrolytic	22μF	16WV
C105, 106	Electrolytic	10μF	16WV
C107, 108	Ceramic	33pF	±10%
C109, 110	Electrolytic	33μF	16WV
C111, 112	Electrolytic	100μF	6.3WV
C113, 114	Electrolytic	10μF	25WV
C115, 116	Mylar film	0.003μF	±10%
C117, 118	Mylar film	0.01μF	±10%
C119, 120	Ceramic	100pF	±10%
C121, 122	Ceramic	4700pF	±10%
C123	Electrolytic	100μF	35WV

RESISTOR

Ref. No.	Description			
R101, 102	Carbon film	100kΩ	±5%	¼W
R103, 104	Carbon film	2.2kΩ	±5%	¼W
R105—108	Carbon film	220kΩ	±5%	¼W
R109, 110	Carbon film	27kΩ	±5%	¼W
R111, 112	Carbon film	47kΩ	±5%	¼W
R113, 114	Carbon film	82kΩ	±5%	¼W
R115, 116	Carbon film	22kΩ	±5%	¼W
R117, 118	Carbon film	100kΩ	±5%	¼W
R119, 120	Carbon film	6.8kΩ	±5%	¼W
R121, 122	Carbon film	510Ω	±5%	¼W
R123, 124	Carbon film	27kΩ	±5%	¼W
R125, 126	Carbon film	330kΩ	±5%	¼W
R127, 128	Carbon film	22kΩ	±5%	¼W
R129, 130	Carbon film	10kΩ	±5%	¼W
R131, 132	Carbon film	270Ω	±5%	¼W
R133, 134	Carbon film	220kΩ	±5%	¼W
R135, 136	Carbon film	1kΩ	±5%	¼W
R137	Composition	560Ω	±10%	½W

SEMICONDUCTOR

Ref. No.	Description
Q101, 102	2SA841 (GR)
Q103, 104	2SC1681 (GR)

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SWITCH

Ref. No.	Description	
S701–704	Push five gangs (TAPE 1~2, MODE, LOUDNESS)	SUB52084
S705, 706	Push two gangs (LOW/HIGH FILTER)	SUB22115
S707	Push five gangs (FM MUTING)	SUB52084

POTENTIOMETER

Ref. No.	Description	
VR701	GM70E100K(M.N) single	BALANCE
VR702	GM80B100K(B) dual	VOLUME
VR703, 704	GM70R100K(B) dual	BASS & TREBLE

SWITCH CONTROL SECTION NO. 071565

CAPACITOR

Ref. No.	Description		
C701, 702	Ceramic	390pF	±10%
C703, 704	Mylar film	0.05μF	±10%
C705, 706	Electrolytic	1μF	25WV
C707, 708	Mylar film	0.002μF	±10%
C709–712	Mylar film	0.03μF	±10%
C713, 714	Electrolytic	3.3μF	25WV
C715, 716	Ceramic	22pF	±10%
C717, 718	Electrolytic	3.3μF	25WV
C719, 720	Electrolytic	47μF	6.3WV
C721, 722	Mylar film	0.02μF	±10%
C723, 724	Mylar film	0.012μF	±10%
C725	Electrolytic	47μF	25WV
C727, 728	Electrolytic	1μF	25WV

SEMICONDUCTOR

Ref. No.	Description
Q701–704	2SC1681 (GR)

RESISTOR

Ref. No.	Description			
R701, 702	Carbon film	15kΩ	±5%	¼W
R703, 704	Carbon film	10kΩ	±5%	¼W
R705, 706	Carbon film	15kΩ	±5%	¼W
R707, 708	Carbonffilm	10kΩ	±5%	¼W
R709, 710	Carbon film	4.7kΩ	±5%	¼W
R711–714	Carbon film	270kΩ	±5%	¼W
R715, 716	Carbon film	330kΩ	±5%	¼W
R717, 718	Carbon film	10kΩ	±5%	¼W
R719, 720	Carbon film	15kΩ	±5%	¼W
R721, 722	Carbon film	5.6kΩ	±5%	¼W
R723, 724	Carbon film	12kΩ	±5%	¼W
R727, 728	Carbon film	390kΩ	±5%	¼W
R729, 730	Carbon film	47kΩ	±5%	¼W
R731, 732	Carbon film	2.7kΩ	±5%	¼W
R733, 734	Carbon film	3.9kΩ	±5%	¼W
R735, 736	Carbon film	1kΩ	±5%	¼W
R739, 740	Carbon film	100kΩ	±5%	¼W
R741, 742	Carbon film	150kΩ	±5%	¼W
R743, 744	Carbon film	4.7kΩ	±5%	¼W
R745, 746	Carbon film	470kΩ	±5%	¼W
R747, 748	Carbon film	15kΩ	±5%	¼W
R749	Carbon film	1.5kΩ	±5%	¼W

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MAIN AMP SECTION NO. 030900

CAPACITOR

Ref. No.	Description		
C3, 4	Ceramic	0.04μF	+80%, −20%
C301, 302	Electrolytic	1μF	25WV
C303, 304	Ceramic	220μF	±10%
C305, 306	Electrolytic	33μF	10WV
C307, 308	Electrolytic	47μF	50WV
C309, 310	Electrolytic	100μF	6.3WV
C311, 312	Ceramic	33pF	±10%
C313, 314	Electrolytic	100μF	50WV
C315, 316	Polyester	0.047μF	400WV
C317, 318	Ceramic	0.04μF	+80%, −20%

RESISTOR

Ref. No.	Description			
R301, 302	Carbon film	470kΩ	±5%	¼W
R303, 304	Carbon film	3.3kΩ	±5%	¼W
R305, 306	Carbon film	56kΩ	±5%	¼W
R307	Carbon film	15kΩ	±5%	¼W
R308, 309	Carbon film	4.7kΩ	±5%	¼W
R310	Carbon film	680Ω	±5%	¼W
R311, 312	Carbon film	56kΩ	±5%	¼W
R313, 314	Carbon film	1.8kΩ	±5%	¼W
R315, 316	Carbon film	4.7kΩ	±5%	¼W
R317, 318	Carbon film	2.2kΩ	±5%	¼W
R321, 322	Carbon film	1.5kΩ	±5%	¼W
R323, 324	Carbon film	180Ω	±5%	¼W
R325, 326	Composition	56Ω	±10%	½W
R327, 328	Composition	220Ω	±10%	½W
R329, 330	Composition	33Ω	±10%	½W
R331, 332	Composition	220Ω	±10%	½W
R333–336	Cement	0.47Ω		5W
R337, 338	Metal oxide film	5.6Ω	±10%	1W
R339, 340	Metal oxide film	10Ω	±10%	1W
R341	Carbon film	2.7kΩ	±5%	¼W

SEMICONDUCTOR

Ref. No.	Description
Q301–304	2SA841 (GR)
Q305, 306	2SC983 (Y)
Q307, 308	2SC828 (Q)
Q309, 310	2SC1625 (O) or (Y)
Q311, 312	2SA815 (O) or (Y)
D301, 302	1S1886
D303	WZ130

COIL

Ref. No.	Description
L301, 302	Choke coil

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POTENTIOMETER

Ref. No.	Description
R319, 320	1K(B)

MISCELLANEOUS

Ref. No.	Description
CB301, 302	25C2

POWER SUPPLY SECTION NO. 090500

CAPACITOR

Ref. No.	Description		
C901	Ceramic	0.01μF	+80%, −20%
C902	Electrolytic	470μF	10WV
C903	Electrolytic	470μF	50WV
C904	Electrolytic	100μF	50WV
C905	Electrolytic	220μF	35WV
C906	Electrolytic	22μF	16WV
C907–910	Ceramic	0.01μF	+80%, −20%

RESISTOR

Ref. No.	Description			
R901	Metal oxide film	47Ω	±10%	1W
R902	Carbon film	1.2kΩ	±5%	¼W
R903	Carbon film	4.7kΩ	±5%	¼W
R904	Composition	68Ω	±10%	½W
R905	Metal oxide film	220Ω	±10%	2W
R906	Carbon film	2k	±5%	¼W
R907	Carbon film	1.5k	±5%	¼W
R908	Composition	22Ω	±10%	½W
R909	Composition	39Ω	±10%	½W

SEMICONDUCTOR

Ref. No.	Description
Q901	2SD234 (Y)
Q902	2SC509 (Y)
D901–903	1S1886
D904–907	Hi-Fi Special
D908	1N726A

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AM/FM-IF MPX SECTION NO. 080400

CAPACITOR

Ref. No.	Description			
C801	Ceramic	0.02μF	+80%, −20%	
C802	Ceramic	10pF	±10%	
C803–811	Ceramic	0.02μF	+80%, −20%	
C812	Ceramic	22pF	±10%	
C813–815	Ceramic	0.02μF	+80%, −20%	
C816	Ceramic	0.04μF	+80%, −20%	
C817	Electrolytic	100μF	16WV	
C818–820	Ceramic	0.02μF	+80%, −20%	
C822	Ceramic	0.002μF	+80%, −20%	
C823, 824	Ceramic	0.02μF	+80%, −20%	
C825	Ceramic	150pF	±10%	
C826, 827	Ceramic	220pF	±10%	
C828, 829	Electrolytic	4.7μF	25WV	
C830	Ceramic	0.04μF	+80%, −20%	
C831, 832	Ceramic	0.02μF	+80%, −20%	
C833	Electrolytic	10μF	16WV	
C834	Ceramic	0.02μF	+80%, −20%	
C835	Electrolytic	10μF	16WV	
C836	Ceramic	0.02μF	+80%, −20%	
C837	Polystyrene	450pF	±10%	50WV
C838	Ceramic	0.02μF	+80%, −20%	
C839, 840	Mylar film	0.02μF	±10%	
C841	Ceramic	15pF	±10%	
C842–845	Ceramic	0.02μF	+80%, −20%	
C847	Electrolytic	10μF	16WV	
C848–851	Ceramic	0.02μF	+80%, −20%	
C852	Ceramic	0.04μF	+80%, −20%	
C853	Electrolytic	100μF	16WV	
C854	Ceramic	0.02μF	+80%, −20%	
C855	Ceramic	330pF	±10%	
C856	Ceramic	0.01μF	+80%, −20%	
C857	Ceramic	0.02μF	+80%, −20%	
C859	Ceramic	0.04μF	+80%, −20%	
C860, 861	Electrolytic	3.3μF	25WV	
C862	Polystyrene	4700pF	±10%	50WV
C863	Ceramic	220pF	±10%	
C864	Electrolytic	3.3μF	25WV	
C865	Polystyrene	3300pF	±10%	50WV
C866	Ceramic	0.04μF	+80%, −20%	
C867	Electrolytic	10μF	16WV	
C868	Polystyrene	2200pF	±10%	125WV
C869	Electrolytic	1μF	25WV	
C870	Electrolytic	10μF	16WV	
C871, 872	Mylar film	0.022μF	±10%	
C873	Electrolytic	220μF	16WV	
C874, 875	Electrolytic	3.3μF	25WV	
C876, 877	Polystyrene	820pF	±10%	50WV
C878, 879	Ceramic	470pF	±10%	
C880	Electrolytic	1μF	25WV	

RESISTOR

Ref. No.	Description			
R801	Carbon film	47kΩ	±5%	¼W
R802	Carbon film	150Ω	±5%	¼W
R803	Carbon film	5.6kΩ	±5%	¼W

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Ref. No.	Description			
R804	Carbon film	18kΩ	±5%	¼W
R805	Carbon film	470Ω	±5%	¼W
R806	Carbon film	1kΩ	±5%	¼W
R807	Carbon film	470Ω	±5%	¼W
R808	Carbon film	100Ω	±5%	¼W
R809	Carbon film	330Ω	±5%	¼W
R810	Carbon film	5.6kΩ	±5%	¼W
R811	Carbon film	2.2kΩ	±5%	¼W
R812	Carbon film	390Ω	±5%	¼W
R813	Carbon film	560Ω	±5%	¼W
R814	Carbon film	3.3kΩ	±5%	¼W
R815	Carbon film	220Ω	±5%	¼W
R816	Carbon film	330Ω	±5%	¼W
R817	Carbon film	1kΩ	±5%	¼W
R818	Carbon film	220Ω	±5%	¼W
R819	Composition	47Ω	±10%	½W
R820	Carbon film	330Ω	±5%	¼W
R821	Carbon film	68Ω	±5%	¼W
R822	Carbon film	220Ω	±5%	¼W
R823	Carbon film	1kΩ	±5%	¼W
R824	Carbon film	18kΩ	±5%	¼W
R825	Carbon film	10kΩ	±5%	¼W
R826	Carbon film	470Ω	±5%	¼W
R827	Carbon film	220Ω	±5%	¼W
R828	Carbon film	470Ω	±5%	¼W
R829	Composition	33Ω	±10%	½W
R830, 831	Carbon film	1kΩ	±5%	¼W
R832, 833	Carbon film	6.8kΩ	±5%	¼W
R834	Carbon film	150Ω	±5%	¼W
R835	Carbon film	47kΩ	±5%	¼W
R836	Carbon film	1kΩ	±5%	¼W
R837	Carbon film	3.3kΩ	±5%	¼W
R842	Carbon film	10kΩ	±5%	¼W
R843	Carbon film	1.5kΩ	±5%	¼W
R845	Carbon film	2.2kΩ	±5%	¼W
R846	Carbon film	220Ω	±5%	¼W
R847	Carbon film	4.7kΩ	±5%	¼W
R848	Carbon film	33kΩ	±5%	¼W
R849	Carbon film	1.5kΩ	±5%	¼W
R850	Carbon film	1kΩ	±5%	¼W
R851	Carbon film	33kΩ	±5%	¼W
R852	Carbon film	10kΩ	±5%	¼W
R853	Carbon film	2.2kΩ	±5%	¼W
R854	Carbon film	680Ω	±5%	¼W
R855	Carbon film	10kΩ	±5%	¼W
R857	Carbon film	1kΩ	±5%	¼W
R858	Carbon film	2.2kΩ	±5%	¼W
R859	Carbon film	3.3kΩ	±5%	¼W
R860	Carbon film	82kΩ	±5%	¼W
R861	Carbon film	10kΩ	±5%	¼W
R862	Carbon film	33kΩ	±5%	¼W
R863	Carbon film	390Ω	±5%	¼W
R864	Carbon film	220Ω	±5%	¼W
R865	Carbon film	15kΩ	±5%	¼W
R866	Carbon film	1kΩ	±5%	¼W
R867	Carbon film	18kΩ	±5%	¼W
R869	Carbon film	560Ω	±5%	¼W
R870	Carbon film	1M	±5%	¼W
R871, 872	Carbon film	470kΩ	±5%	¼W
R873	Carbon film	82kΩ	±5%	¼W
R874	Carbon film	1M	±5%	¼W

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Ref. No.	Description			
R875	Carbon film	470kΩ	±5%	¼W
R876	Carbon film	220kΩ	±5%	¼W
R877	Carbon film	100kΩ	±5%	¼W
R878	Carbon film	2.7kΩ	±5%	¼W
R879	Carbon film	39Ω	±5%	¼W
R880	Carbon film	120kΩ	±5%	¼W
R881	Carbon film	100kΩ	±5%	¼W
R882	Carbon film	22kΩ	±5%	¼W
R883	Carbon film	220Ω	±5%	¼W
R884–886	Carbon film	10kΩ	±5%	¼W
R887	Carbon film	22kΩ	±5%	¼W
R888	Carbon film	4.7kΩ	±5%	¼W
R889	Carbon film	100kΩ	±5%	¼W
R890	Carbon film	120kΩ	±5%	¼W
R891	Carbon film	220Ω	±5%	¼W
R892	Carbon film	47kΩ	±5%	¼W
R893, 894	Carbon film	18kΩ	±5%	¼W
R895, 896	Carbon film	22kΩ	±5%	¼W
R897, 898	Carbon film	4.7kΩ	±5%	¼W
R899	Carbon film	470Ω	±5%	¼W
R8100–8102	Carbon film	470Ω	±5%	¼W
R8103, 8104	Carbon film	1.5kΩ	±5%	¼W
R8105, 8106	Carbon film	22kΩ	±5%	¼W
R8107	Carbon film	2.7kΩ	±5%	¼W
R8108	Composition	100Ω	±10%	½W
R8109, 8110	Carbon film	10kΩ	±5%	¼W
R8111, 8112	Carbon film	1kΩ	±5%	¼W
R8113	Composition	22Ω	±10%	½W

SEMICONDUCTOR

Ref. No.	Description
Q801–803	2SC381 (O)
Q804	2SC381 (R)
Q806–808	2SC941 (O)
Q809, 810	2SC380 (O)
Q811	2SK30A (Y)
Q812, 813	2SC372
Q814	2SC735 (Y)
Q815–823	2SC372 (Y)
IC801	TA7061AP
D801–810	SD46
D811, 812	1S1555
D813, 814	SD46

TRANSFORMER/COIL/FILTER

Ref. No.	Description
L801	AM RF 610-0
L802	AM OSC 900-0
L803	Choke coil 1μH
L804	FM IFT 5227
L805	MPX 4516
L806	MPX 4517B
L807–809	MPX 4519
T801	FM IFT 4415R
T802	AM IFT LA15C
CF801–803	Ceramic filter SFE10.7MA
CFT801	Ceramic filter LA15A

POTENTIOMETER

Ref. No.	Description
R838, 841, 868	50K(B)

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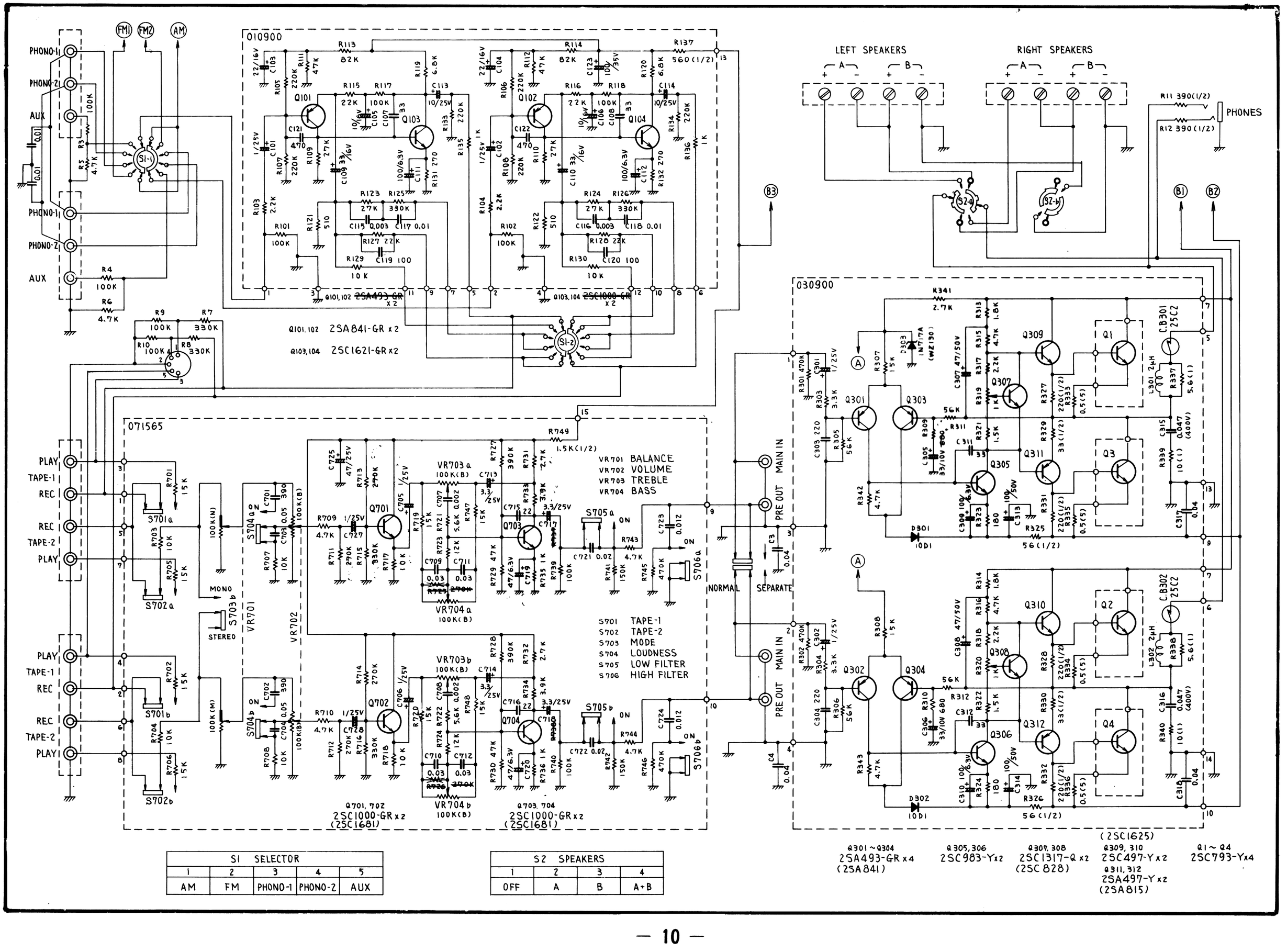
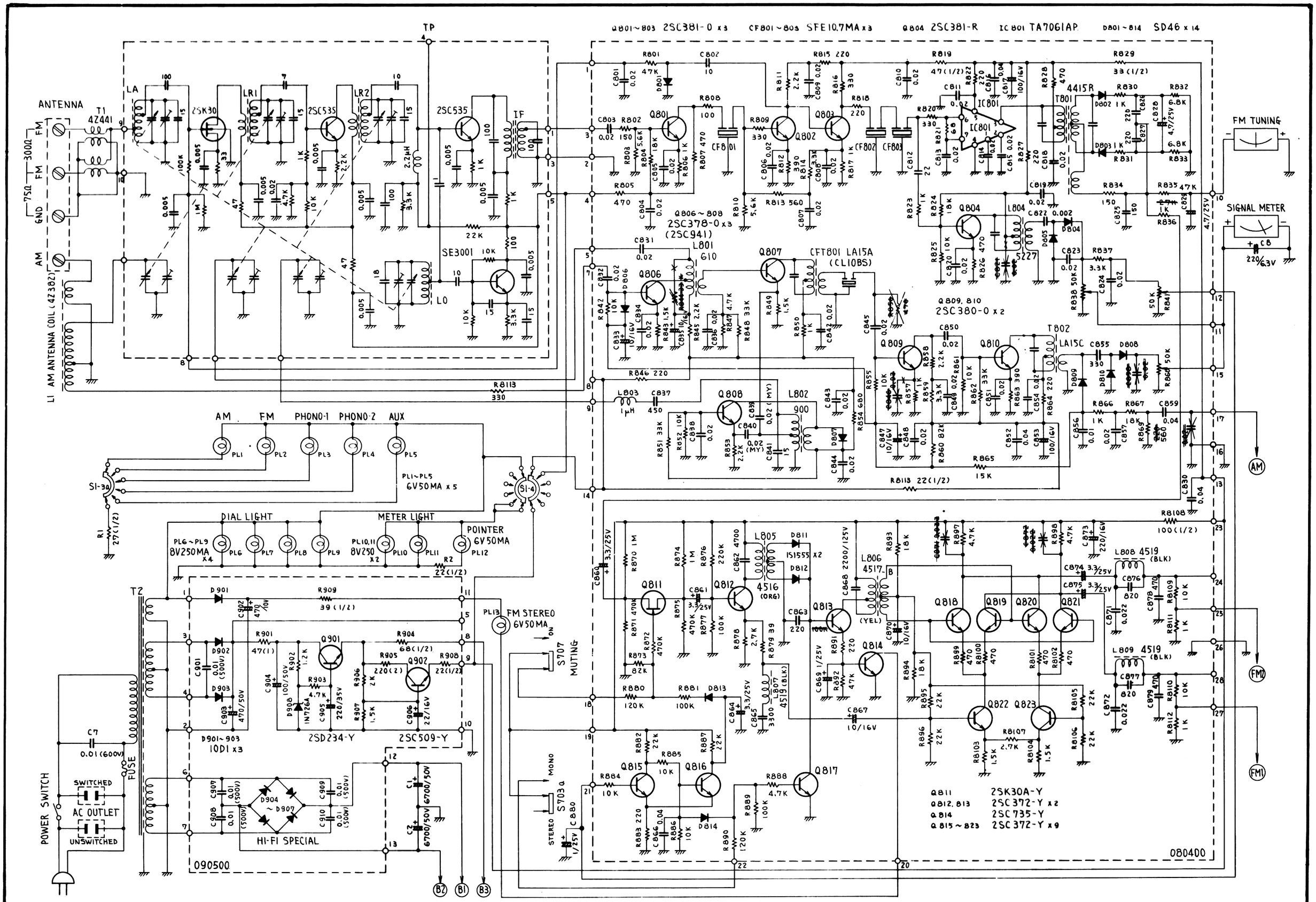


S1 SELECTOR				
1	2	3	4	5
AM	FM	PHONO-1	PHONO-2	AUX

S2 SPEAKERS			
1	2	3	4
OFF	A	B	A+B

MODEL-5700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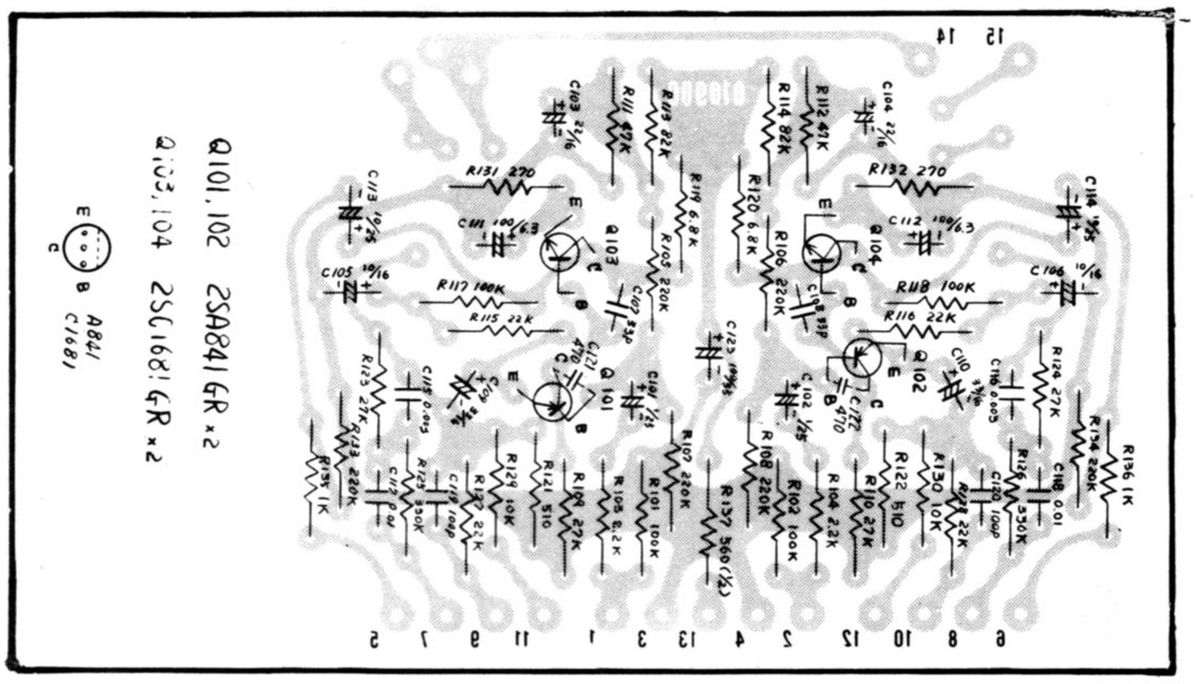
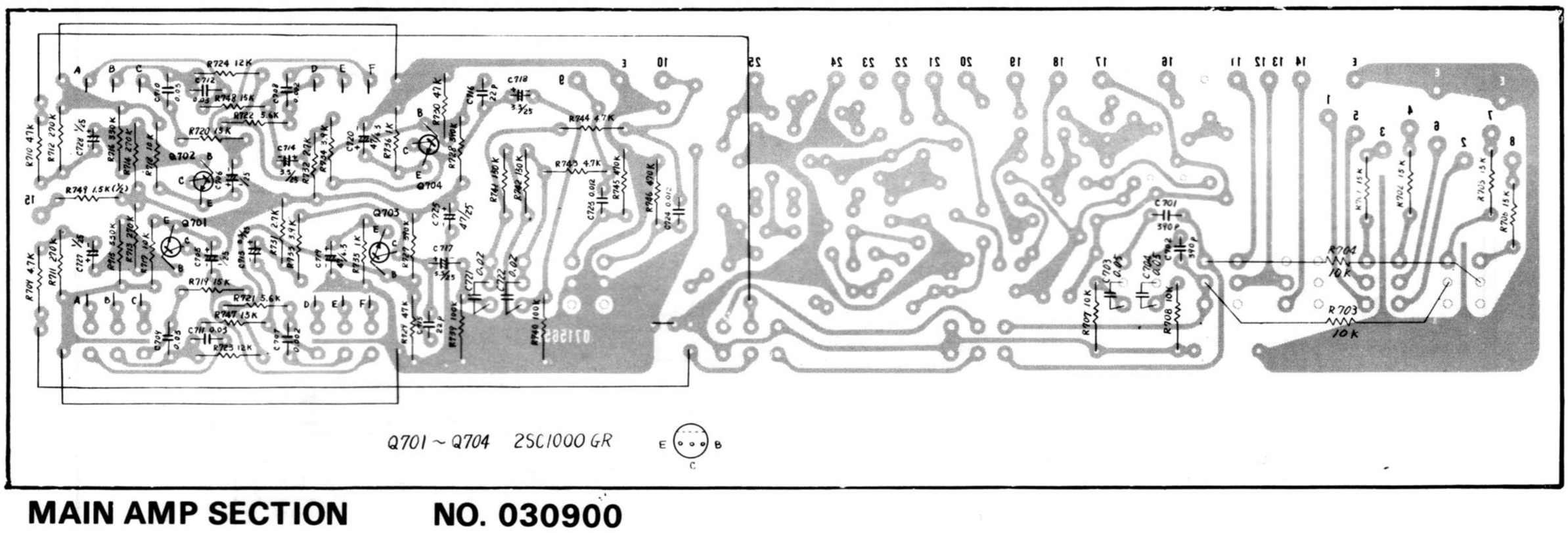
CF801~803 SFE10.7MA x3
Q804 2SC381-R
IC801 TA7061AP
D801~814 SD46 x14
ANTENNA
T1 4Z441
LA
LR1
LR2
IF
LO
2SK30
2SC535
SE3001
Q801
Q802
Q803
Q804
Q806~808 2SC378-O x3 (2SC941)
Q807
Q809, 810 2SC380-O x2
Q808
Q809
Q810
IC801
T801 4415R
T802 LA15C
L801 G10
L802 900
L803 1μH
L804 5227
L805 4516 (ORG)
L806 4517-B (YEL)
L807 4519 (BLK)
L808 4519 (BLK)
L809 4519 (BLK)
CFT801 LA15A (CL10BS)
CF801
CF802
CF803
FM TUNING
SIGNAL METER
AM
FM
PHONO-1
PHONO-2
AUX
PL1~PL5 6V50MA x5
DIAL LIGHT
METER LIGHT
PL6~PL9 8V250MA x4
PL10,11 8V250 x2
POINTER 6V50MA
PL12
PL13 FM STEREO 6V50MA
S1-3a
S1-4
S707 MUTING
S703a STEREO MONO
T2
D901~903 10D1 x3
2SD234-Y
2SC509-Y
D904~D907 HI-FI SPECIAL
C7 0.01 (600V)
FUSE
POWER SWITCH
SWITCHED
AC OUTLET
UNSWITCHED
090500
080400
Q811 2SK30A-Y
Q812, 813 2SC372-Y x2
Q814 2SC735-Y
Q815~823 2SC372-Y x9
B1
B2
B3
FM1
FM2
AM

MODEL-5700

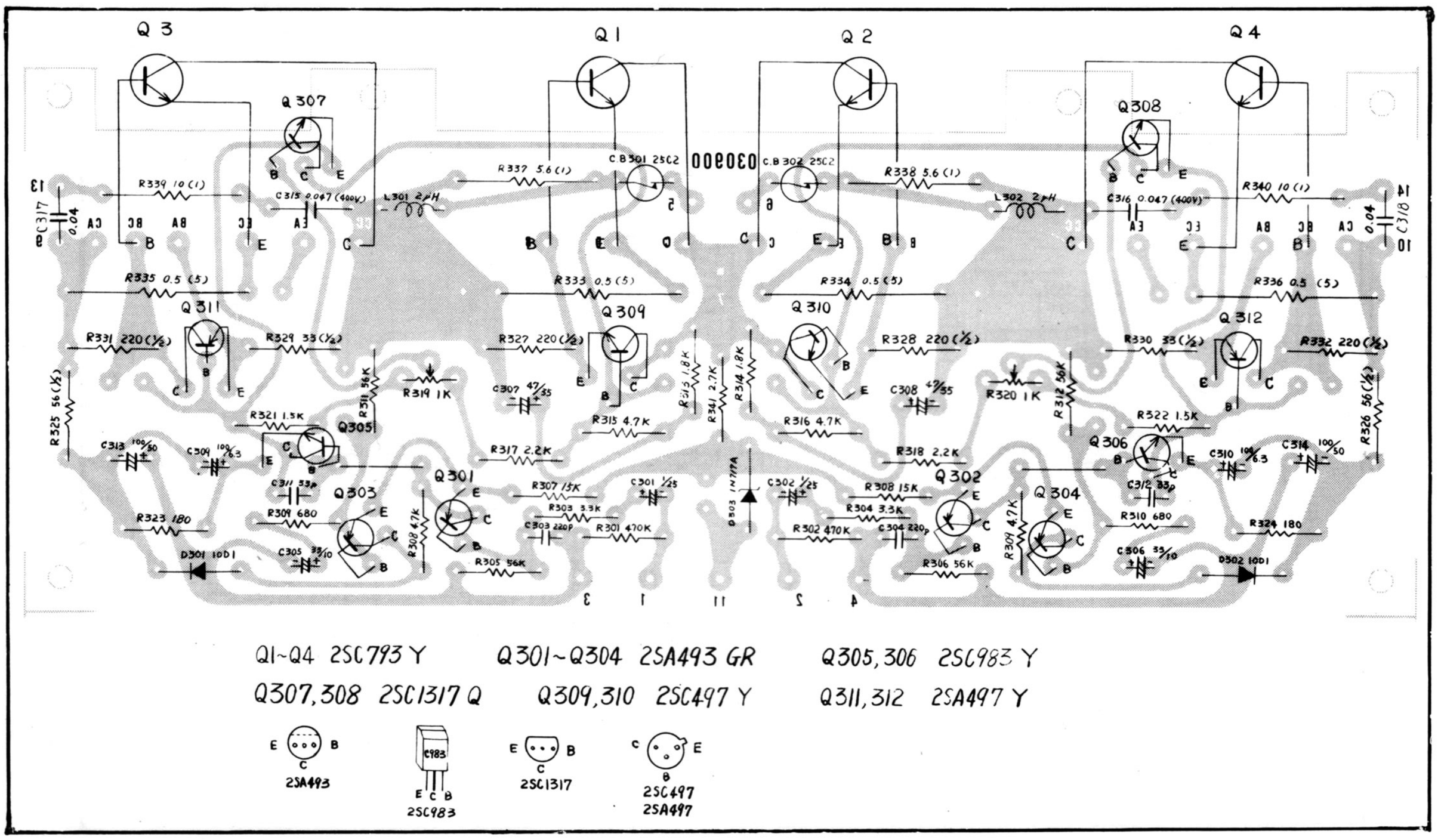
PRE AMP SECTION NO. 010900



SWITCH CONTROL SECTION NO. 071565



MAIN AMP SECTION NO. 030900



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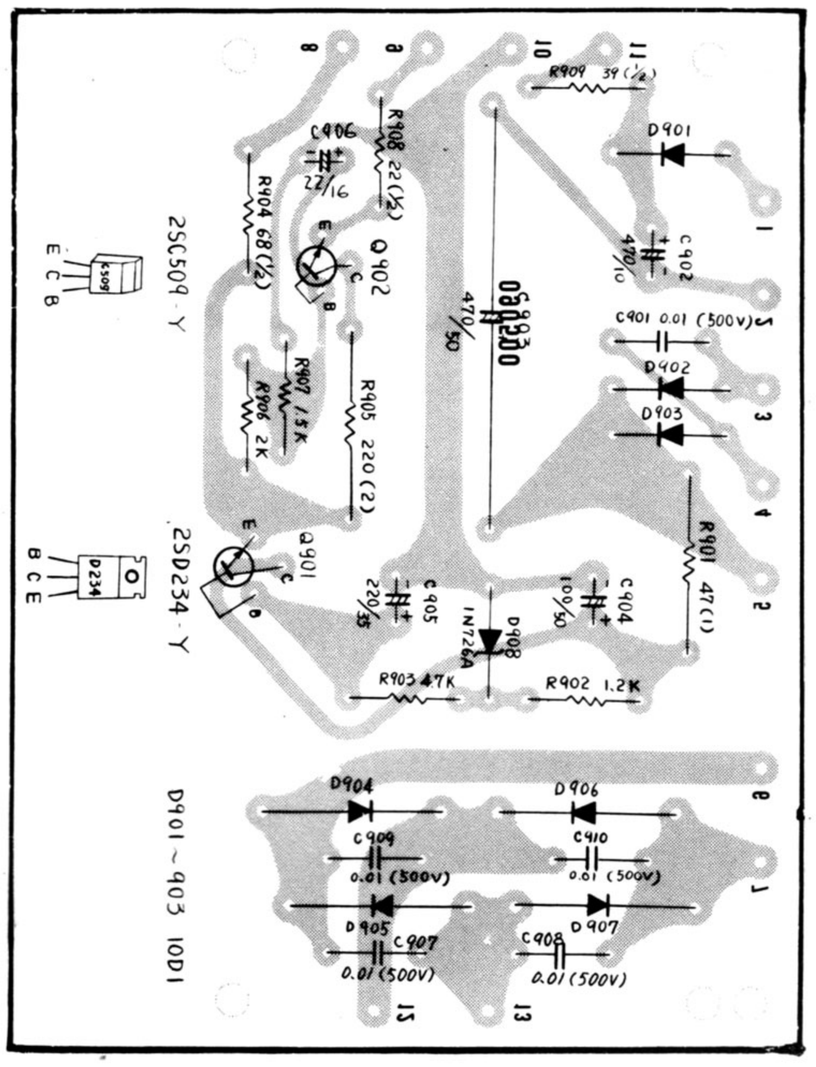
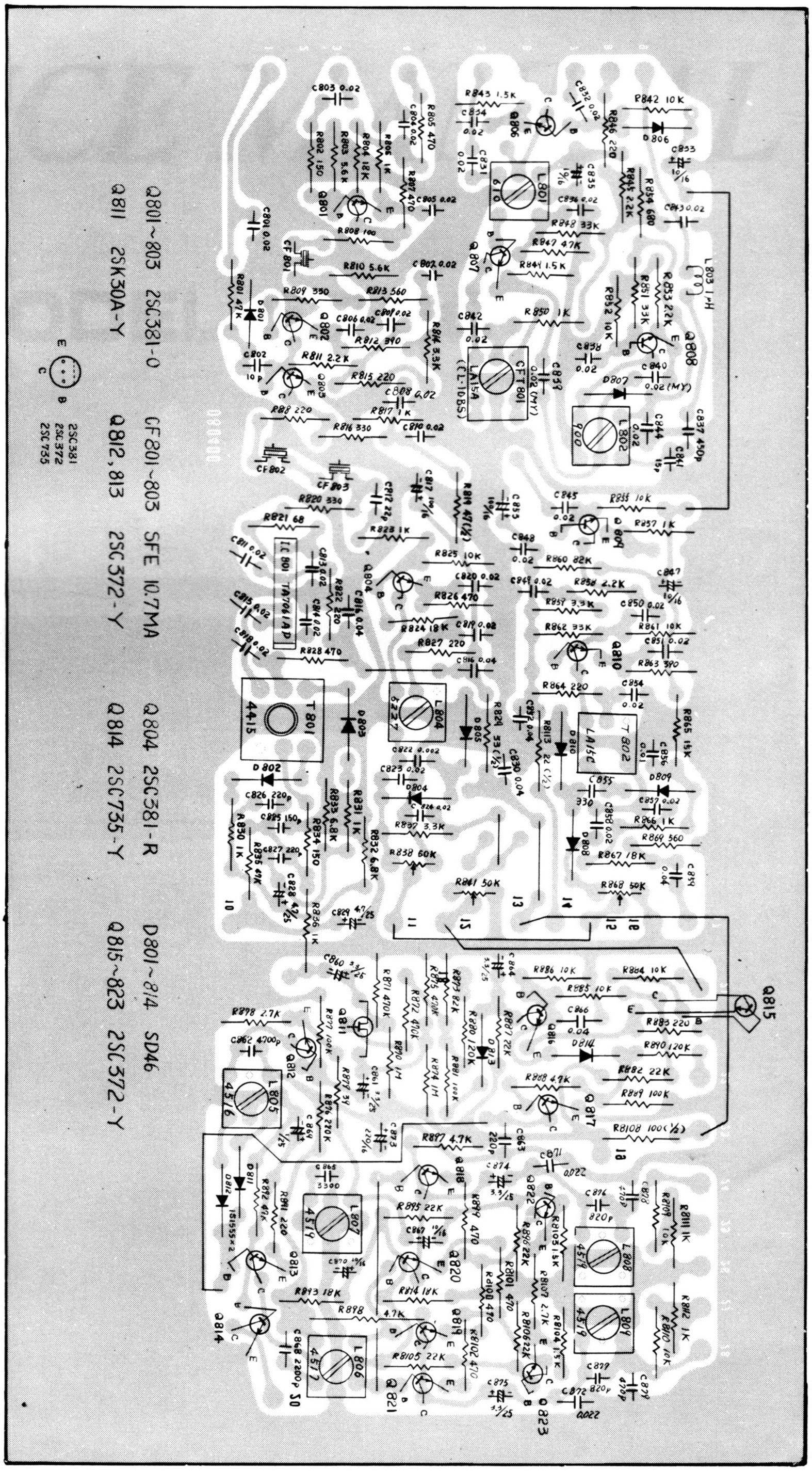
POWER SUPPLY SECTION NO. 090500



AM/FM-IF MPX SECTION NO. 080400



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