



- NOTES: 1. ALL RESISTORS IN Ω 1/2w $\pm 10\%$ UNLESS OTHERWISE NOTED.
 2. ALL CAPACITORS IN μF UNLESS OTHERWISE NOTED.
 3. * VALUE IS NOMINAL.

FL-2100Z
CIRCUIT DIAGRAM

MAIN CHASSIS					TRIMMER CAPACITOR	
Symbol No.	Parts No.	Description	TC1	K91000016	ECV-1ZW50x32	50pF
		VACUUM TUBE	TC2	K91000006	TSN-150C30P	30pF
V1,2	G6090005	572B/T160				
		VACUUM TUBE SOCKET	L1	L1020667		
VS1,2	P3090047	DA204UX	L2	L1020659		
	S5000018	PLATE CAP HV-3001	L3	L1020661		
			L4,5(R6,9)	L1020664		
			L6	L0020758		
		DIODE	L7	L0020850		
D1	G2010070	Germanium 1S1007	L8	L1020064		
D2	G2090002	Silicon 10D10				
				L9190001		
					FERRITE BEADS	
					4A-RI 3x3-1H	
		RESISTOR				
R11	J01245512	Carbon film 1/4W TJ 5.1k Ω				
R5	J00305821	" RD1P821 820 Ω				
R10	J10276472	" composition				
		1/2W GK 4.7k Ω	PT1	L3030012		
R6,9(L4,L6)	-	" " 3W 22 Ω				
R7,8	J10336330	" " 3W 33 Ω				
R12	J20306330	Metallic film 1W 33 Ω				
R1	J20336473	Metallic film 2W 47k Ω	M1(with R3)	M0090013		
R4	J31406300	Wire wound variable 10W	M2	M0090012		
		RWH-10G1 30 Ω				
R3(with M1)	-	Meter shunt 0.14 Ω				
R2	J32009005	RH2HVD 3M Ω J				
			RL1	M1090001	AW5221-HP2	DC12V
			RL2	M1090008	MX2F	DC12V
		CAPACITOR				
C11	K30279003	Dipped Mica 500mW	S1,4	N7090005	WD9223	
		DM15D020D5 2pF	S2	N7090023	AM2317	
C24,25	K30279121	" DM15D510K5 51pF	S5	N0190060	ESR-E143R-20Z	
C23	K30279024	" DM15D560K5 56pF	S3	R0011670A	Safety Switch Ass'y	
C22	K30279027	" DM15D101K5 100pF	S6	N0050051	Band Switch C Ass'y	
C29	K30279029	" DM15D121K5 120pF	S7	N0050052	" " D Ass'y	
C28	K30279031	" DM15D151K5 150pF				
C27	K30279033	" DM15D181K5 180pF				
C21,26	K30279033	" DM15D221K5 220pF				
C20	K30279039	" DM19D331K5 330pF	FAN1,2	M2190001	2S10A (with fan)	
C19	K30279047	" DM19D681K5 680pF				
C16,17	K30279059	" DM19D222K5 2200pF				
C18	K30279060	" DM19D242K5 2400pF				
C1,2	K12329001	Ceramic ECK-DAL103PE 0.01 μ F	PL1,2	Q1000033	K0252-6-8 14V 40mA	
C4~7,12~15	K12279002	" ECK-D2H103PE 0.01 μ F				
C8,9	K00359002	" CC45SL3F221KY 220pF				
C37	K13170473	" DB201YF473Z5L5				
C36	K24356101	" RDA30-100P 100pF	F1	Q0000009	100V-117V 20A	
C35	K24356251	" RDA30-250P 250pF		Q0000008	200V-234V 15A	
C31~34	K24356501	" RDA40-500P 500pF				
C3,30	K24356102	" BDA30-1000P 1000pF				
C38	K40140227	Electrolytic 25RL220 220 μ F				
			FH1	P2000017	SN2050	
			J1,2	P1090028	MBR-06B	
			J3,4	P1090133	STR-01-3	
		VARIABLE CAPACITOR				
VC1	K90000032	YP-120-22 120pF				
VC2	K90000031	530Px3L 530pFx3				
					TERMINAL BLOCK	
				Q6000041	ML3391-8P	

		AC CORD			CM COUPLER
	T7600001	2 wire, 2 prong plug	L201	L0020301A	
	T9000382	3 wire, 3 prong UL plug			
	T9000680	3 wire, 3 prong Australian plug			
	T9000584	3 wire, 2 prong EU plug			
BIAS CONT. BOARD					
			Symbol No.	Parts No.	Description
			PB-1903	F0001903	Printed circuit board
				C0019030	PCB with components
		TERMINAL BLOCK			
	Q6000041	ML-3391-8P (H)			
RECTIFIER BOARD					
Symbol No.	Parts No.	Description	D301,302,304, 305	G2090001	DIODE Silicon 10D1
			D303	G2090002	" 10D10
PB-1135	F0001135	Printed circuit board			
	C0011350	PCB with components			
RESISTOR					
			R304	J10276151	Carbon composition 1/2W GK 150Ω
			R303	J10276473	" " " " 47kΩ
D101~110	G2090002	DIODE Silicon 10D10	R306	J10276224	" " " " 220kΩ
			R305	J20306330	Metallic film 1W 33Ω
			R301,302	J20336560	" " 2W 56Ω
CAPACITOR					
R101~110	J10276474	RESISTOR Carbon composition 1/2 GK 470kΩ			
			C305	K40100337	Electrolytic 10WV 330μF
			C306	K40149003	" 25WV 100μF
			C301,304	K40149002	" " 470μF
			C302,303	K40180476	" 63WV 47μF
CAPACITOR BOARD (A) (B)					
Symbol No.	Parts No.	Description			
PB-1112A	F0001112A	Printed circuit board			
	C0011120	PCB with components			
RELAY					
			RL301	M1190002	FBR211AD012M
INPUT COIL BOARD					
			Symbol No.	Parts No.	Description
			PB-2164	F0002164	Printed Circuit Board
				C0021640	PCB with Components
CAPACITOR					
C101~103(A) C104~106(B)	K43270004	Electrolytic 500WV 100μF (ECE-M500V100E)	C406	K30279031	Dipped mica 500mW DM15D151K5 150pF
			C404,405	K30279040	" DM19D361K5 360pF
			C403	K30279044	" DM19D511K5 511pF
			C402	K30279049	" DM19D821K5 820pF
			C401	K30279055	" DM19D152K5 1500pF
COUPLER UNIT					
Symbol No.	Parts No.	Description			
PB-2056A	F0002056A	Printed circuit board			
	C0020560	PCB with components			
INDUCTOR					
			L401	L0020849	
			L402	L0020614	
			L403	L0020848	
D201,202	G2090118	DIODE Schottky barrier 1SS97	L404	L0020617	
			L405	L0020847	
			L406,407	L0020620	
			L408	L0020622	
R202	J10276470	RESISTOR Carbon composition 1/2W GK 47Ω	L409	L0020621	
R201	J00245102	" film 1/4W VJ 1kΩ			
R203,204	J00245472	" " " " 4.7kΩ			
ACCESSORIES					
			Symbol No.	Parts No.	Description
				P0090019	Coaxial plug MP-7
				P0090018	Phono plug STP-58
				Q0000009	Fuse 20A (100~117V)
				Q0000008	" 15A (200~234V)
TRIMMER CAPACITOR					
TC201	K91000019	ECV-1ZW 10x40 10pF			