

ROTEL*hi-fi*

AM/FM STEREO TUNER

RT-935AX

TECHNICAL MANUAL

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THE ROTEL CO., LTD.

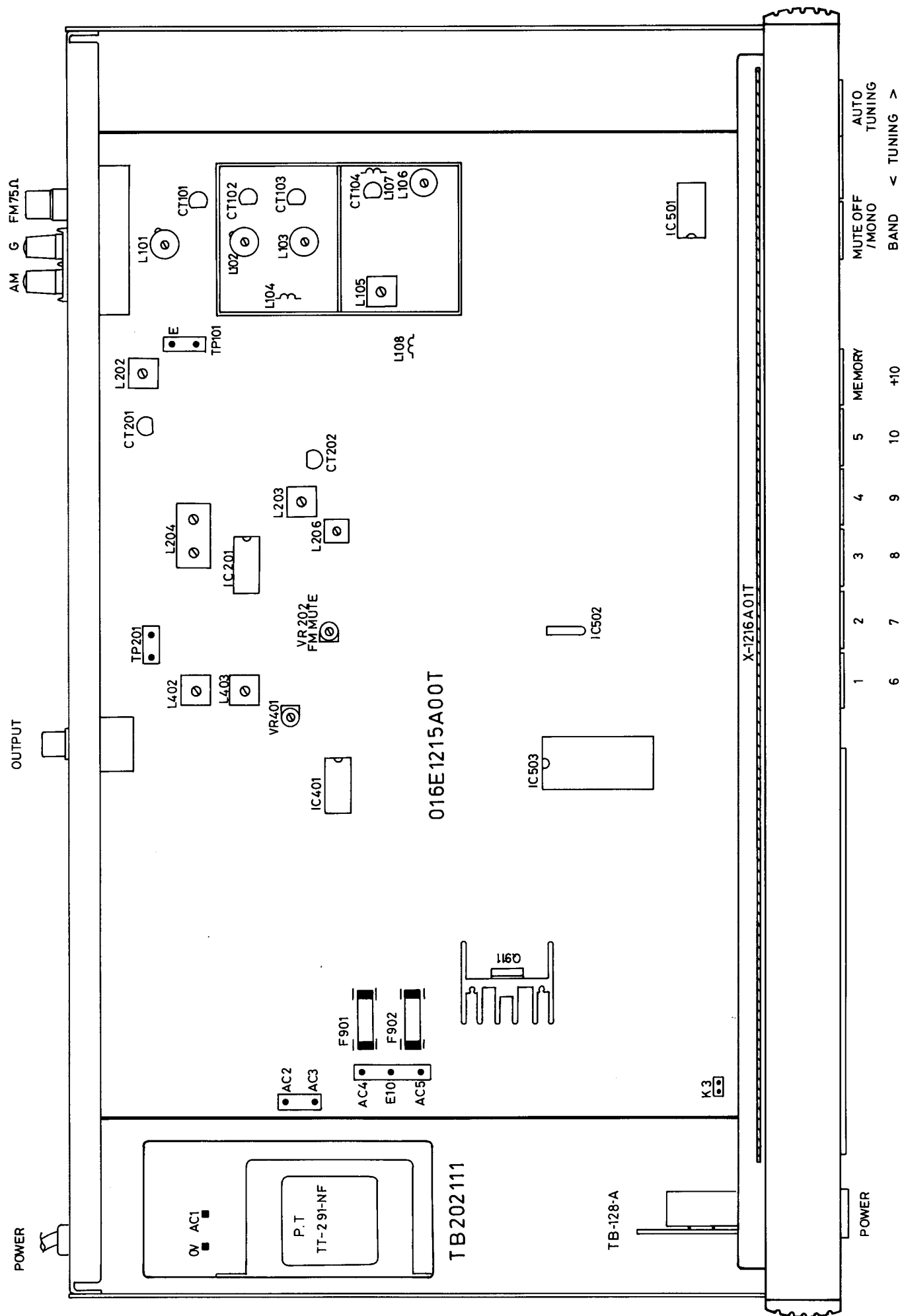
1-36-8, OHOKAYAMA, MEGURO-KU, TOKYO 152, JAPAN

ROTEL ELECTRONICS CO., LTD.

3F-2, NO.35, FU HSING NORTH ROAD, TAIPEI, TAIWAN, REPUBLIC OF CHINA

MN20002220

Chassis Layout



POWER										BAND			< TUNING		>		MUTE OFF / MONO		AUTO TUNING	
1	2	3	4	5	MEMORY	6	7	8	9	10	+10									

SPECIFICATIONS

RT 935AX AM/FM STEREO TUNER

FM SECTION (75 ohm antenna)

Usable Sensitivity	12.5 dBf / 1.2 μ V (75 ohms)
50 dB Quieting Sensitivity	
Mono	11 dBf / 2 μ V (75 ohms)
Stereo	34.5 dBf / 30 μ V (75 ohms)
Signal to Noise ratio (@ 65 dBf)	
Mono	75 dB
Stereo	70 dB
Harmonic Distortion (@ 65 dBf, 1 kHz)	
Mono	0.08%
Stereo	0.3%
Frequency response	30 Hz-15,000 Hz $\pm$ 1.5 dB
Stereo separation (100 Hz / 1 kHz / 10 kHz)	35 dB / 40 dB / 30 dB
Output level	630 mV
Sub carrier product ratio	60 dB
Alternate channel selectivity ($\pm$ 400 kHz)	63 dB
Capture ratio	1.5 dB
Spurious response ratio	95 dB
Image response ratio	65 dB
IF response ratio	90 dB
AM suppression ratio	60 dB
Antenna input impedance	75 ohm

AM SECTION (Loop antenna)

Usable Sensitivity	350 μ V / m
Selectivity	27 dB
Signal to Noise ratio	60 dB
Image response ratio	40 dB
IF response ratio	40 dB
Power requirement	115 volts AC 50/60 Hz 230 volts AC 50/60 Hz
Power consumption	10 watts
Weight	3.6 kg / 7.9 lbs
Dimensions	440 (w) x 72 (h) x 284 (d) mm 17-3/8" (w) x 2-7/8" (h) x 11-1/4" (d)

All specifications are correct at the time of printing. Rotel reserves the right to make improvements without notice.

FM IF and RF Alignment

Instruments: FM Signal Generator (400Hz,100% Modulated), THD Analyzer, Oscilloscope, AC VTVM, DC Voltmeter, Tuning Meter.

Terminated : DC Voltmeter---Between TP101 and Earth on E-1215A00T P.C.B.
Tuning Meter---Between TP201 and Earth on E-1215A00T P.C.B.

Step	Generator		Tuning Dial Setting	Adjust	Adjust for
	Coupling	Frequency			
1	No use		87.5 MHz	L106	1.5V reading on DC Voltmeter
2			108 MHz	CT104	9V reading on DC Voltmeter
3	Repeat steps 1 and 2 unit no further improvement is noticed.				
4	Antenna terminal	90 MHz	90 MHz	L101,102 L103	Maximum reading on AC VTVM.
5		105 MHz	105 MHz	CT101- CT103	Maximum reading on AC VTVM.
6	Repeat steps 4 and 5 unit no further improvement is noticed.				
7	Antenna terminal 1mV input	90 MHz	90 MHz	L204(A)	Adjust center on Tuning Meter
8				L204(B)	Minimum reading on THD Analyzer
9	Repeat steps 7 and 8 unit no further improvement is noticed (Muting OFF)				
10	Antenna terminal 5uV input	90 MHz	90 MHz	VR202	Muting Level (Muting ON)

FM MPX Alignment

Instruments: FM Stereo Generator, AC VTVM, Oscilloscope, Frequency Countor, and THD Analyzer.

Step	Generator		Tuning Dial Setting	Adjust	Adjust for
	Coupling	Frequency			
1	Antenna terminal 1mV input	98 MHZ Pilot--10% 1 kHz--90% Mod.	98 MHZ	L105	Minimum Dist.
2	Antenna terminal 1mV input	98 MHZ Pilot--10% 1 kHz--90% Mod.	98 MHZ	VR401	Best separation
3	Repeat steps 1 and 2 unit no further improvement is noticed. Check the stereo indicator can be operated normally when pilot signal is reduce from 10% to 5%.				

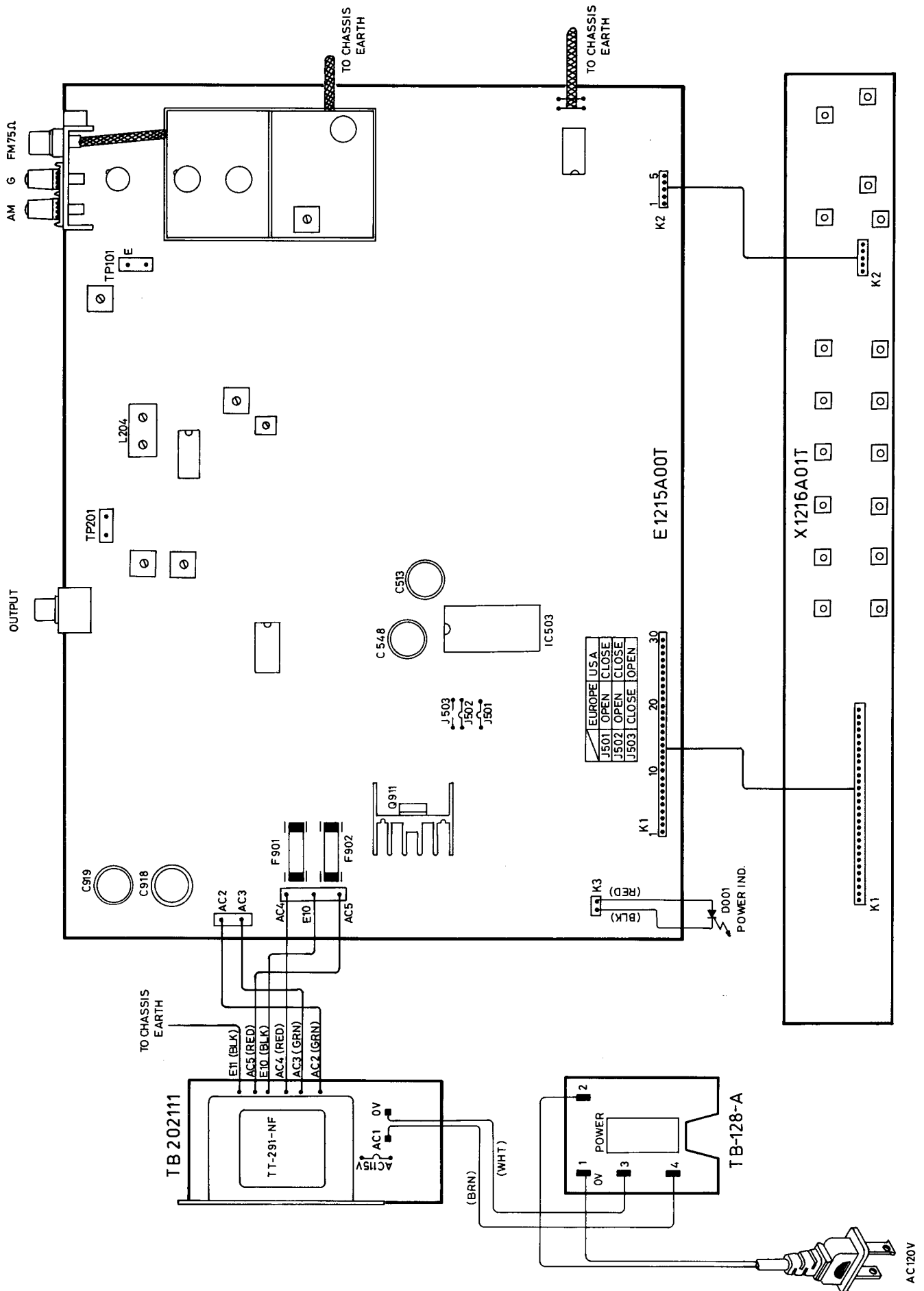
MW IF and RF Alignment

Instruments: AM Signal Generator (400Hz,30% Modulated), AC VTVM, Oscilloscope, DC Voltmeter.

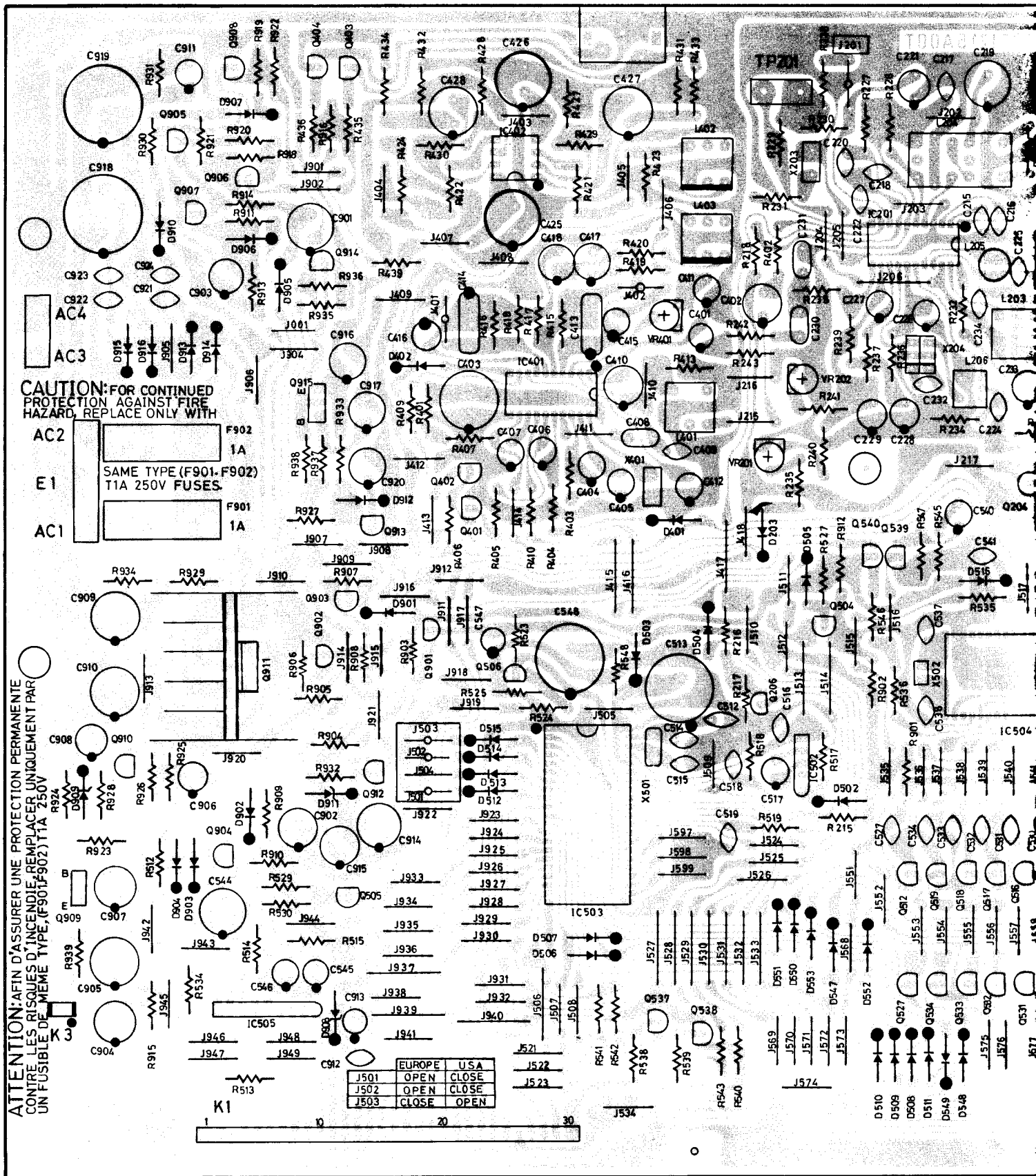
Terminated : DC Voltmeter---Between TP101 and Earth on E-1215A00T P.C.B.

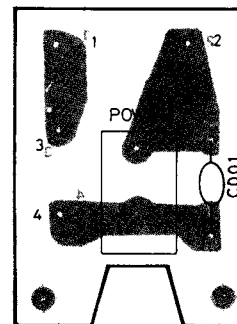
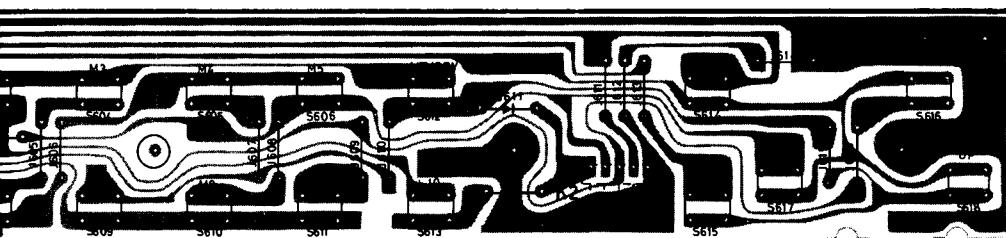
Step	Generator		Tuning Dial Setting	Adjust	Adjust for
	Coupling	Frequency			
1	No use		530 kHz (531 kHz) Europe	L203	About 1.2V+/-0.1V on DC Voltmeter
2			1600 kHz (1602kHz) Europe	CT202	About 9V+/-0.2V on DC Voltmeter
3	Repeat steps 1 and 2 unit no further improvement is noticed.				
4	Test loop radiate signal into loop antenna	450 kHz	530 kHz	L206	Maximum reading on AC VTVM.
5		600 kHz	600 kHz	L202	
6		1400 kHz	1400 kHz	CT201	
7	Repeat steps 4 to 6 unit no further improvement is noticed.				

Wiring Diagram



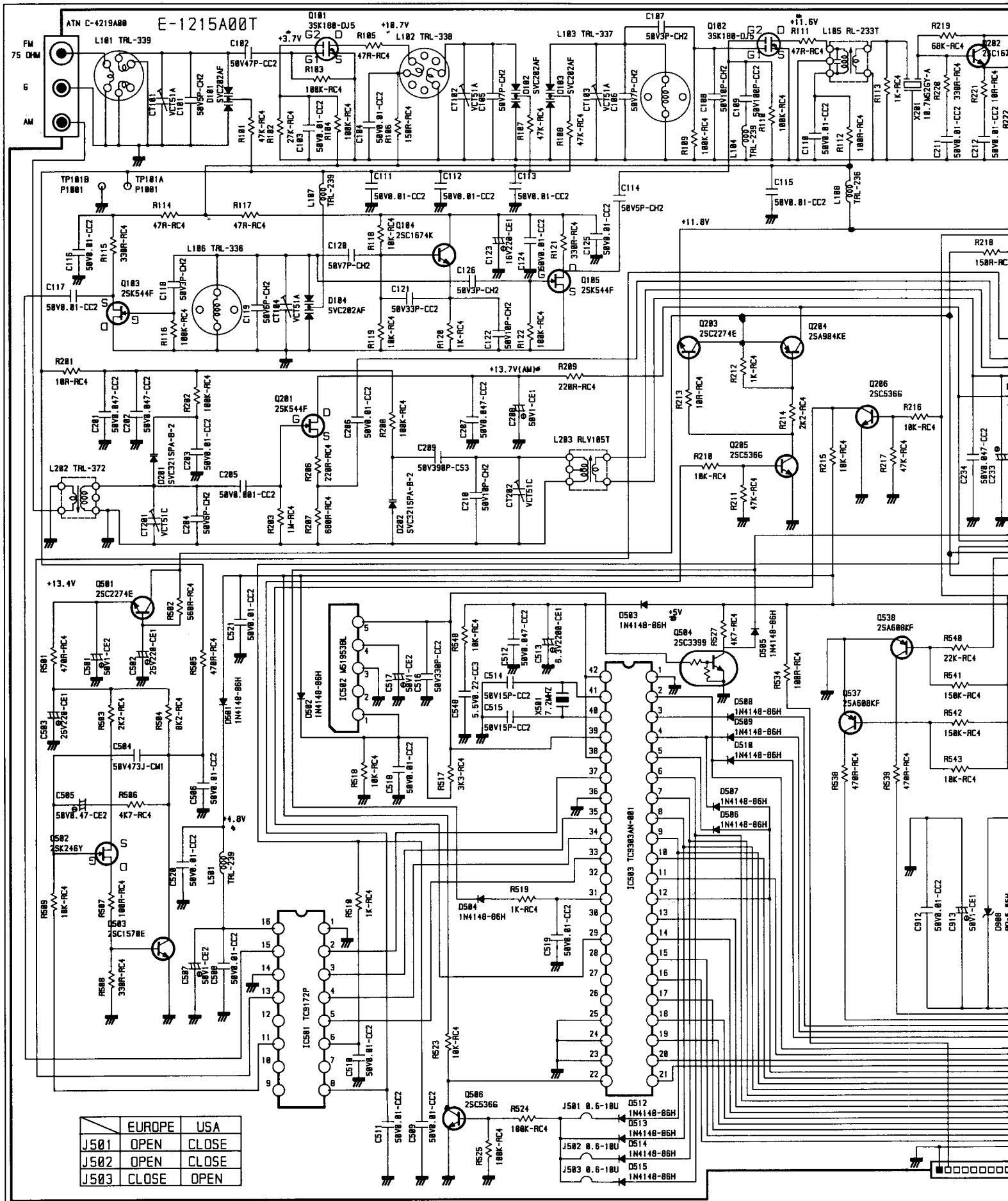
Printed Circuit Boards

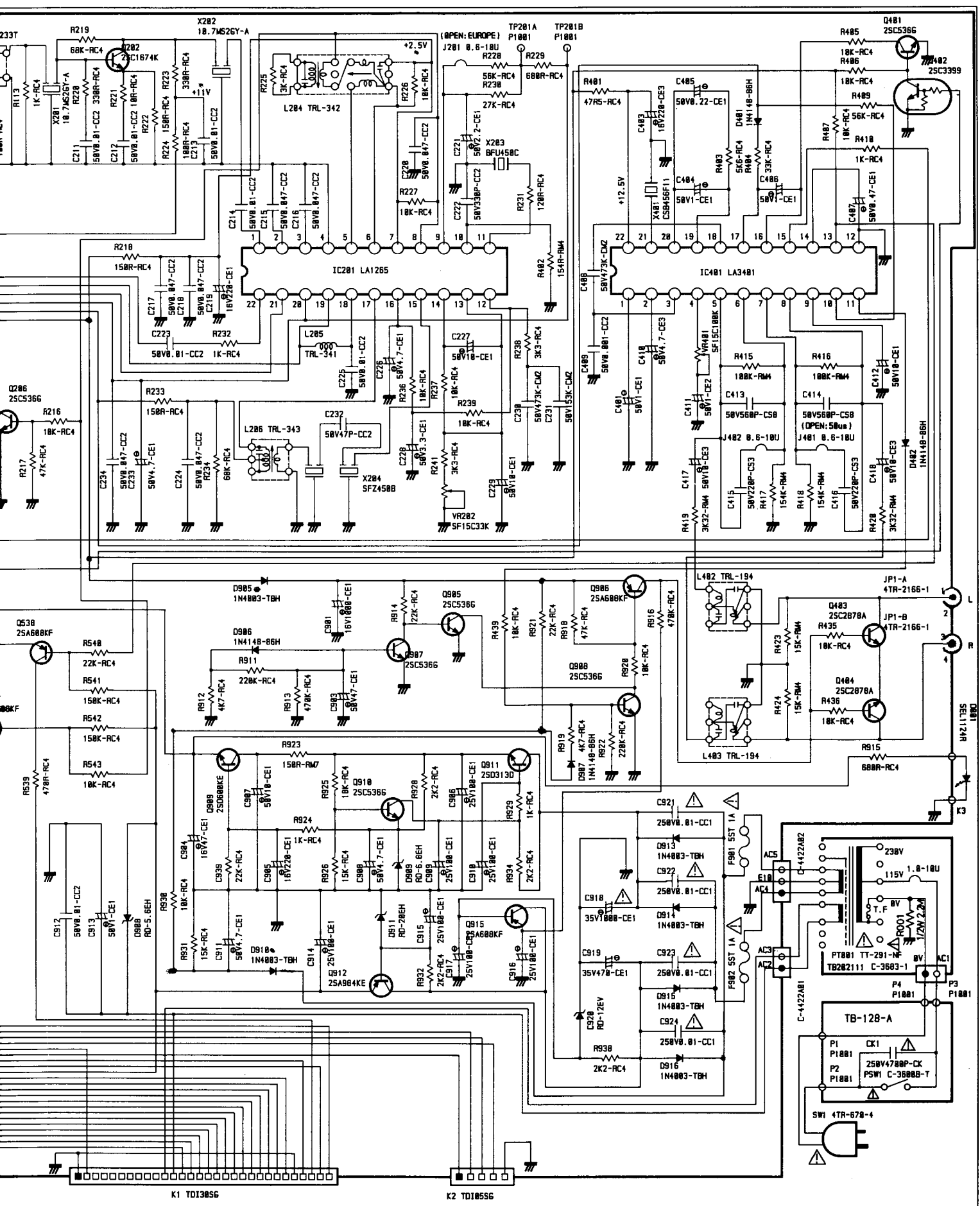




Schematic Diagram

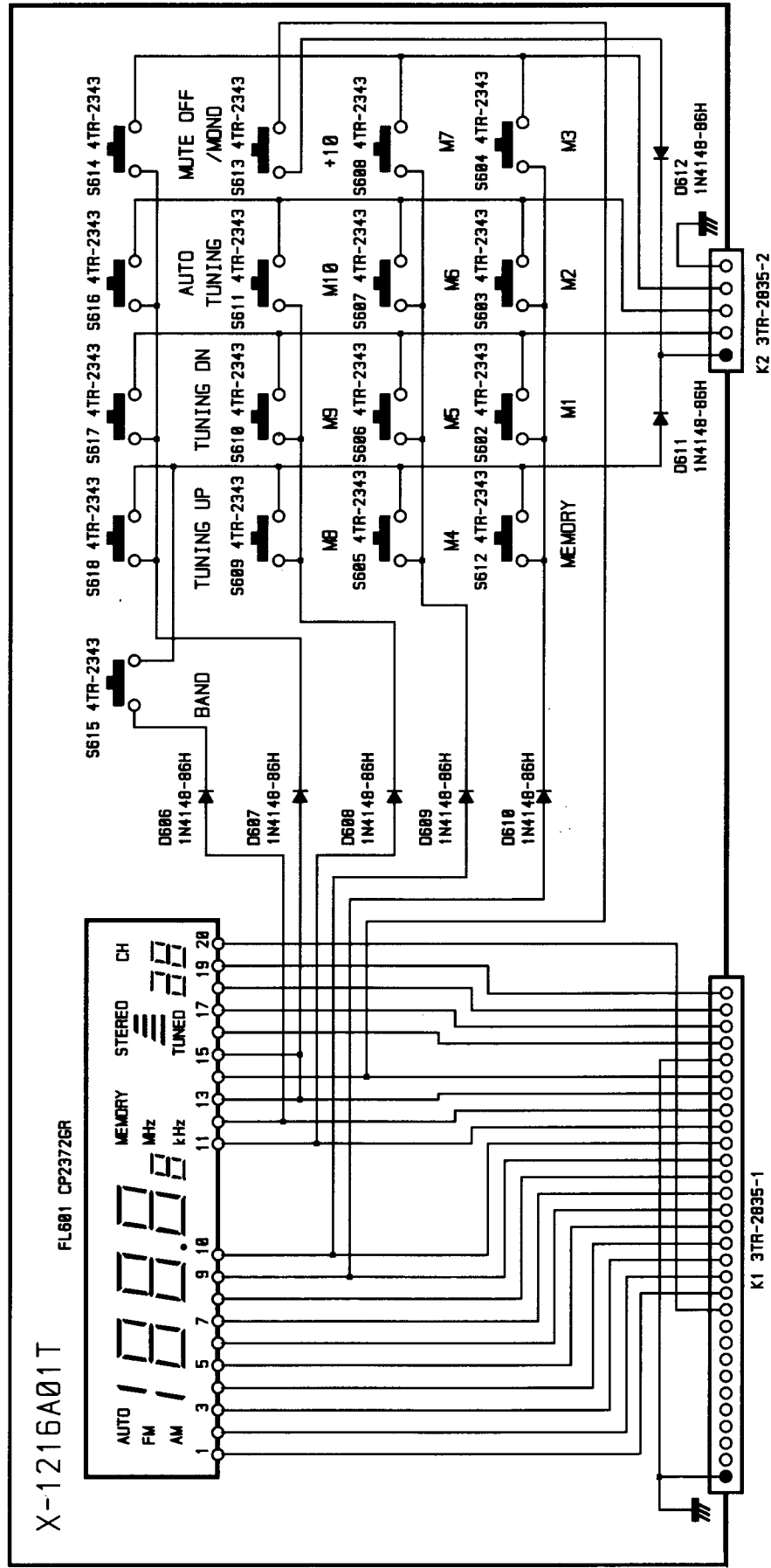
SCHEMATIC DIAGRAM MODEL NO. RT-935AX (1/2)





Schematic Diagram

SCHEMATIC DIAGRAM MODEL NO. RT-935AX (2/2)



Parts List

NOTE: THE COMPONENTS IDENTIFIED BY Δ MARK ARE FOR SAFETY. REPLACE ONLY WITH ORIGINAL PARTS. DO NOT SUBSTITUTE.

SYMBOL	PARTS NO.	DESCRIPTION
E-1215A00T PCB ASSEMBLY		
R101	RD54702824	R, CARBON 47K 1/4W J
R102	RD52702821	R, CARBON 27K 1/4W J
R103, 104	RD51003820	R, CARBON 100K 1/4W J
R105	RD54709820	R, CARBON 47 1/4W J
R106	RD51500827	R, CARBON 150 1/4W J
R107, 108	RD54702824	R, CARBON 47K 1/4W J
R109, 110	RD51003820	R, CARBON 100K 1/4W J
R111	RD54709820	R, CARBON 47 1/4W J
R112	RD51000820	R, CARBON 100 1/4W J
R113	RD51001823	R, CARBON 1K 1/4W J
R114	RD54709820	R, CARBON 47 1/4W J
R115	RD53300829	R, CARBON 330 1/4W J
R116	RD51003820	R, CARBON 100K 1/4W J
R117	RD54709820	R, CARBON 47 1/4W J
R118, 119	RD51002827	R, CARBON 10K 1/4W J
R120	RD51001823	R, CARBON 1K 1/4W J
R121	RD53300829	R, CARBON 330 1/4W J
R122	RD51003820	R, CARBON 100K 1/4W J
R201	RD51009822	R, CARBON 10 1/4W J
R202	RD51000820	R, CARBON 100 1/4W J
R203	RD51004824	R, CARBON 1M 1/4W J
R206	RD52200827	R, CARBON 220 1/4W J
R207	RD56800825	R, CARBON 680 1/4W J
R208	RD51003820	R, CARBON 100K 1/4W J
R209	RD52200827	R, CARBON 220 1/4W J
R210	RD51002827	R, CARBON 10K 1/4W J
R211	RD54702824	R, CARBON 47K 1/4W J
R212	RD51001823	R, CARBON 1K 1/4W J
R213	RD51009822	R, CARBON 10 1/4W J
R214	RD52201820	R, CARBON 2.2K 1/4W J
R215, 216	RD51002827	R, CARBON 10K 1/4W J
R217	RD54702824	R, CARBON 47K 1/4W J
R218	RD51500827	R, CARBON 150 1/4W J
R219	RD56802822	R, CARBON 68K 1/4W J
R220	RD53300829	R, CARBON 330 1/4W J
R221	RD51009822	R, CARBON 10 1/4W J
R222	RD51500827	R, CARBON 150 1/4W J
R223	RD53300829	R, CARBON 330 1/4W J
R224	RD51000820	R, CARBON 100 1/4W J
R225	RD53001826	R, CARBON 3K 1/4W J
R226, 227	RD51002827	R, CARBON 10K 1/4W J
R228	RD55602825	R, CARBON 56K 1/4W J
R229	RD56800825	R, CARBON 680 1/4W J
R230	RD52702821	R, CARBON 27K 1/4W J
R231	RD51200820	R, CARBON 120 1/4W J
R232	RD51001823	R, CARBON 1K 1/4W J
R233	RD51500827	R, CARBON 150 1/4W J
R234	RD56802822	R, CARBON 68K 1/4W J
R236, 237	RD51002827	R, CARBON 10K 1/4W J
R238	RD53301822	R, CARBON 3.3K 1/4W J
R239	RD51002827	R, CARBON 10K 1/4W J
R241	RD53301822	R, CARBON 3.3K 1/4W J
R242, 243	RD56801829	R, CARBON 6.8K 1/4W J
R401	RM54759815	R, METAL 47.5 /4W F
R402	RM51540818	R, METAL 154 1/4W F
R403	RD55601821	R, CARBON 5.6K 1/4W J
R404	RD53302826	R, CARBON 33K 1/4W J
R405-407	RD51002827	R, CARBON 10K 1/4W J
R409	RD55602825	R, CARBON 56K 1/4W J
R410	RD51001823	R, CARBON 1K 1/4W J
R415, 416	RM51003813	R, METAL 100K 1/4W F
R417, 418	RM51543819	R, METAL 154K 1/4W F
R419, 420	RM53321814	R, METAL 3.32K 1/4W F
R423, 424	RM51502817	R, METAL 15K 1/4W F
R435, 436	RD51002827	R, CAEBON 10K 1/4W J
R439	RD51002827	R, CARBON 10K 1/4W J
R501	RD54700827	R, CARBON 470 1/4W J
R502	RD55600828	R, CARBON 560 1/4W J

SYMBOL	PARTS NO.	DESCRIPTION
R503	RD52201820	R, CARBON 2.2K 1/4W J
R504	RD58201829	R, CARBON 8.2K 1/4W J
R505	RD54700827	R, CARBON 470 1/4W J
R506	RD54701820	R, CARBON 4.7K 1/4W J
R507	RD51000820	R, CARBON 100 1/4W J
R508	RD53300829	R, CARBON 330 1/4W J
R509	RD51002827	R, CARBON 10K 1/4W J
R510	RD51001823	R, CARBON 1K 1/4W J
R517	RD53301822	R, CARBON 3.3K 1/4W J
R518	RD51002827	R, CARBON 10K 1/4W J
R519	RD51001823	R, CARBON 1K 1/4W J
R523	RD51002827	R, CARBON 10K 1/4W J
R524, 525	RD51003820	R, CARBON 100K 1/4W J
R527	RD54701820	R, CARBON 4.7K 1/4W J
R534	RD51000820	R, CARBON 100 1/4W J
R538, 539	RD54700827	R, CARBON 470 1/4W J
R540	RD52202824	R, CARBON 22K 1/4W J
R541, 542	RD51503828	R, CARBON 150K 1/4W J
R543	RD51002827	R, CARBON 10K 1/4W J
R548	RD51009822	R, CARBON 10 1/4W J
R911	RD52203828	R, CARBON 220K 1/4W J
R912	RD54701820	R, CARBON 4.7K 1/4W J
R913	RD54703828	R, CARBON 470K 1/4W J
R914	RD52202824	R, CARBON 22K 1/4W J
R915	RD56800825	R, CARBON 680 1/4W J
R916	RD54703828	R, CARBON 470K 1/4W J
R918	RD54702824	R, CARBON 47K 1/4W J
R919	RD54701820	R, CARBON 4.7K 1/4W J
R920	RD51002827	R, CARBON 10K 1/4W J
R921	RD52202824	R, CARBON 22K 1/4W J
R922	RD52203828	R, CARBON 220K 1/4W J
R923	RM91500121	R, METAL 150 1W
R924	RD51001823	R, CARBON 1K 1/4W J
R925	RD51802820	R, CARBON 18K 1/4W J
R926	RD51502824	R, CARBON 15K 1/4W J
R928	RD52201820	R, CARBON 2.2K 1/4W J
R929	RD51001823	R, CARBON 1K 1/4W J
R930, 931	RD51502824	R, CARBON 15K 1/4W J
R932	RD52201820	R, CARBON 2.2K 1/4W J
R934	RD52201820	R, CARBON 2.2K 1/4W J
R938	RD52201820	R, CARBON 2.2K 1/4W J
R939	RD52202824	R, CARBON 22K 1/4W J
C101	CC55013419	CAP, CERAMIC 5P 50V
C102	CC44712433	CAP, CERAMIC 47P 50V
C103, 104	CC41009462	CAP, CERAMIC 0.01uF 50V
C105, 106	CC57013411	CAP, CERAMIC 7P 50V
C107	CC53013416	CAP, CERAMIC 3P 50V
C108	CC51012410	CAP, CERAMIC 10P 50V
C109	CC41011432	CAP, CERAMIC 100P 50V
C110-113	CC41009462	CAP, CERAMIC 0.01uF 50V
C114	CC55013419	CAP, CERAMIC 5P 50V
C115-117	CC41009462	CAP, CERAMIC 0.01uF 50V
C118	CC53013416	CAP, CERAMIC 3P 50V
C119	CC56013415	CAP, CERAMIC 6P 50V
C120	CC57013411	CAP, CERAMIC 7P 50V
C121	CC43312435	CAP, CERAMIC 33P 50V
C122	CC51012410	CAP, CERAMIC 10P 50V
C123	CE02205164	CAP, ELEC. 220uF 16V
C124, 125	CC41009462	CAP, CERAMIC 0.01uF 50V
C126	CC53013416	CAP, CERAMIC 3P 50V
C201, 202	CC45009456	CAP, CERAMIC 0.05uF 50V
C203	CC41009462	CAP, CERAMIC 0.01uF 50V
C204	CC56013415	CAP, CERAMIC 6P 50V
C205	CC41010439	CAP, CERAMIC 0.001uF 50V
C206	CC41009462	CAP, CERAMIC 0.01uF 50V
C207	CC45009456	CAP, CERAMIC 0.05uF 50V
C208	CE41007503	CAP, ELEC. 1uF 50V
C209	CS43911424	CAP, STYROL 390P 50V
C210	CC51512417	CAP, CERAMIC 15P 50V

Parts List

SYMBOL	PARTS NO.	DESCRIPTION
C211-214	CC41009462	CAP,CERAMIC 0.01uF 50V
C215-218	CC45009456	CAP,CERAMIC 0.05uF 50V
C219	CE02205164	CAP,ELEC. 220uF 16V
C220	CC45009456	CAP,CERAMIC 0.05uF 50V
C221	CE42207500	CAP,ELEC. 2.2uF 50V
C222	CE43311431	CAP,CERAMIC 330P 50V
C223	CC41009462	CAP,CERAMIC 0.01uF 50V
C224	CC45009456	CAP,CERAMIC 0.05uF 50V
C225	CC41009462	CAP,CERAMIC 0.01uF 50V
C226	CE44707500	CAP,ELEC. 4.7uF 50V
C227	CE41006500	CAP,ELEC. 10uF 50V
C228	CE43307502	CAP,ELEC. 3.3uF 50V
C229	CE41006500	CAP,ELEC. 10uF 50V
C230	CM14709435	CAP,MYLAR 473 K 50V
C231	CM11509435	CAP,MYLAR 153 K 50V
C232	CC44712433	CAP,CERAMIC 47P 50V
C233	CE44707500	CAP,ELEC. 4.7uF 50V
C234	CC45009456	CAP,CERAMIC 0.05uF 50V
C401	CE41007503	CAP,ELEC. 1uF 50V
C403	CE52205779	CAP,ELEC. 16BGF220M
C404	CE41007503	CAP,ELEC. 1uF 50V
C405	CE42208504	CAP,ELEC. 0.22uF 50V
C406	CE41007503	CAP,ELEC. 1uF 50V
C407	CE44708504	CAP,ELEC. 0.47uF 50V
C408	CM14709435	CAP,MYLAR 473 K 50V
C409	CC41010439	CAP,CERAMIC 0.001uF 50V
C410	CE54707478	CAP,ELEC. 50BGF4R7M
C411	CE41007503	CAP,ELEC. 1uF 50V
C412	CE41016500	CAP,ELEC. 10uF 50V
C413,414	CS35611319	CAP,STYROL 560P 160V
C415,416	CS42211420	CAP,STYROL 220P 50V
C417,418	CE51006477	CAP,ELEC. 50BGF10M
C501	CE41007503	CAP,ELEC. 1uF 50V
C502,503	CE02205255	CAP,ELEC. 220uF 25V
C504	CM14709435	CAP,MYLAR 473 K 50V
C505	CE44708504	CAP,ELEC. 0.47uF 50V
C506	CC41009462	CAP,CERAMIC 0.01uF 50V
C507	CE41007503	CAP,ELEC. 1uF 50V
C508-511	CC41009462	CAP,CERAMIC 0.01uF 50V
C512	CC45009456	CAP,CERAMIC 0.05uF 50V
C513	CE02204068	CAP,ELEC. 2200uF 6.3V Δ
C514,515	CC41512433	CAP,CERAMIC 15P 50V
C516	CC43311431	CAP,CERAMIC 330P 50V
C517	CE41007503	CAP,ELEC. 1uF 50V
C518-521	CC41009462	CAP,CERAMIC 0.01uF 50V
C547	CE41006500	CAP,ELEC. 10uF 50V
C548	CE52208951	CAP,ELEC. FYDOH224Z
C901	CE01004163	CAP,ELEC. 1000uF 16V
C903	CE44706258	CAP,ELEC. 47uF 25V
C904	CE44706167	CAP,ELEC. 47uF 16V
C905	CE02205164	CAP,ELEC. 220uF 16V
C906	CE41005257	CAP,ELEC. 100uF 25V
C907	CE41006500	CAP,ELEC. 10uF 50V
C908	CE44707500	CAP,ELEC. 4.7uF 50V
C909,910	CE02205255	CAP,ELEC. 220uF 25V
C911	CE44707500	CAP,ELEC. 4.7uF 50V
C912	CC41009462	CAP,CERAMIC. 0.01uF 50V
C913	CE41007503	CAP,ELEC. 1uF 50V
C914-916	CE41005257	CAP,ELEC. 100uF 25V
C918	CE01004357	CAP,ELEC. 1000uF 35V Δ
C919	CE04705358	CAP,ELEC. 470uF 35V
C920	DD20000016	DIODE RD-12E
C921-924	CC01009256	CAP,CERAMIC 0.01uF 250V Δ
L101	LC23390009	FM ANT. COIL TRL-339
L102	LC23380004	FM RF COIL TRL-338
L103	LC23370000	FM RF COIL TRL-337
L104	LM00000073	MICRO INDUCTOR 2.2uH
L105	LC02330000	FM IF COIL RL-233T
L106	LC23360005	FM OSC COIL TRL-336

SYMBOL	PARTS NO.	DESCRIPTION
L107	LM00000073	MICRO INDUCTOR 2.2uH
L108	LM00000024	MICRO INDUCTOR 47uH
L202	LC23720009	AM ANT. COIL TRL-372
L203	LC31050009	AM OSC COIL RLV-105T
L204	LC23420002	FM DET COIL TRL-342
L205	LM00000425	MICRO INDUCTOR 39mH
L206	LC23430007	AM IF COIL TRL-343
L402,403	LC21940006	FM MPX FILTER TRL-194
L501	LM00000073	MICRO INDUCTOR 2.2uH
X201,202	LF00000166	CERAMIC FILTER SEF10.7MS2GY-A
X203	LF00000191	CERAMIC FILTER BUF450C4N
X204	LF00000282	CERAMIC FILTER SFZ450B
X401	LF00000300	CERAMIC FILTER CSB456F11
X501	DD60000040	CRYSTAL OSC HC49U7.2MHZ
CT101-104	CF00000184	CAP,FILM TRIMMER VCT51A
CT201,202	CF00000159	CAP,FILM TRIMMER VCT51C
VR202	RV20000466	R,SEMI-FIXED RH0615C33300
VR401	RV20000480	R,SEMI-FIXED RH0615C10400
IC201	IC00001796	IC LA1265
IC401	IC00002636	IC LA3401
IC501	IC00001826	IC TC9172AP
IC502	IC00003793	IC M51953BL
IC503	IC00001814	IC TC9303AN-001
D101-104	DD50000020	DIODE SVC202AF
D201,202	DD50000031	DIODE SVC321SPA-B-2
D401,402	DD80000021	DIODE IN4148-86
D501-510	DD80000021	DIODE IN4148-86
D512-515	DD80000021	DIODE IN4148-86
D906,907	DD80000021	DIODE IN4148-86
D905	DD80000010	DIODE IN4003-TB
D908	DD20000168	DIODE RD-5.6E
D909	DD20000065	DIODE RD-6.8E
D910	DD80000010	DIODE IN4003-TB
D911	DD20000028	DIODE RD-20E
D913-916	DD80000010	DIODE IN4148-86
Q101,102	TR50000206	TRANSISTOR 3SK180-DJ5-TF
Q103	TR50000103	TRANSISTOR 2SK544F
Q104	TR30000133	TRANSISTOR 2SC1674
Q105	TR50000103	TRANSISTOR 2SK544F
Q201	TR50000103	TRANSISTOR 2SK544F
Q202	TR30000133	TRANSISTOR 2SC1674
Q203	TR30000121	TRANSISTOR 2SC2274E
Q204	TR10000140	TRANSISTOR 2SA984KE
Q205,206	TR30000327	TRANSISTOR 2SC536G-NP
Q401	TR30000327	TRANSISTOR 2SC536G-NP
Q402	TR30000492	TRANSISTOR 2SC3399
Q403,404	TR30000583	TRANSISTOR 2SC2878
Q501	TR30000121	TRANSISTOR 2SC2274E
Q502	TR50000127	TRANSISTOR 2SK246-Y
Q503	TR30000108	TRANSISTOR 2SC1570E/F
Q504	TR30000492	TRANSISTOR 2SC3399
Q506	TR30000327	TRANSISTOR 2SC536G-NP
Q537,538	TR10000126	TRANSISTOR 2SA608KF/KG
Q905	TR30000327	TRANSISTOR 2SC536G-NP
Q906	TR10000126	TRANSISTOR 2SA608KF/KG
Q907,908	TR30000327	TRANSISTOR 2SC536G-NP
Q909	TR40000069	TRANSISTOR 2SD600KE/KF
Q910	TR30000327	TRANSISTOR 2SC536G-NP
Q911	TR30000029	TRANSISTOR 2SD313D
Q912	TR10000140	TRANSISTOR 2SA984KE/KF
Q913	TR10000126	TRANSISTOR 2SA608KF/KG
Q915	TR10000126	TRANSISTOR 2SA608K
F901,902	FU25000077	FUSE 250V T1A UL/CSA Δ
	FU23000207	FUSE 250V T1A S 1
R001	RD02204928	R,CARBON 2.2M 1/2W Δ
	X-1216A01T	PCB ASSEMBLY
D606-612	DD80000021	DIODE IN4148-86
FL601	DD40001166	FL TUBE CP2372GR

Parts List

SYMBOL	PARTS NO.	DESCRIPTION
S602-618	SH60000240	KEY BOARD SW 4R-2343
	T-128-A	PCB ASSEMBLY
C001	CK00000035	SPARK KILLER DE7150F472M Δ
S001	SH40000120	POWER SW C-3600B-T Δ
	OTHERS	
	AB00000596	PAINTED BOTTOM BOARD 4TQN-12B#1
	AF30000220	FRONT CHASSIS 3TPH-2
	AR30000234	PRINTED REAR CHASSIS TRP-671
	AS01000385	SIDE CHASSIS 3TQG-1C#3
	PT29110106	POWER TRANSFORMER TT-291-NF Δ
	FT00000229	PLASTIC FOOT 4TSH-19#2 50F $\times$ 14H
	SB00000790	PVC SHIELD BOARD 4TR-2926A
	SC00000027	AC CORD STOPPER SR-4N-4 Δ
	SG00000055	SPONGE 4TR-598
	SR00001187	RUBBER SPACER TR-2927#1
	CD00000218	AC POWER CORD SPT-2 AWG#18 4TR-670#4 (U,C,A,J) Δ
	CD00000322	AC POWER CORD 4TR-2757(D) Δ
	CD00000048	AC POWER CORD 4TR-1037 (H,E,S1,Y) Δ
	CD00000085	AC POWER CORD C-2504A(K1) Δ
	CD00000115	AC POWER CORD C-3763-T(G1) Δ
	NP00001949	NAME STICKER AC120V 4TR-2828A#1 TNP-382
	NP00002127	NAME STICKER AC230V 4TR-2828A#9 TNP-396
	NP00001962	NAME STICKER AC240V 4TR-2828A#3 TNP-384
	NP00002012	NAME STICKER AC100V 4TR-2828A#6 TNP-391
	NP00001950	NAME STICKER AC220V 4TR-2828A#2 TNP-383
	AA30000485	FRONT PANEL 3TPH-1#1 TFP-737
	AW00000575	PANEL WINDOW 4TQS-7#4
	BU00001145	POWER RING W/LED 4TQF-13
	KB20002681	POWER BUTTON 4TQF-15 14 $\times$ 14
	KB20002760	TACT BUTTON 2TQN-6 12 KEY
	KB20002772	TACT BUTTON 2TQN-7 5 KEY
	OM10001260	ORNAMENTAL SIDE BOARD 4TR-2797#1 H=60MM
	DD40000095	LED SEL1124R
	OM70000065	PUSH BUTTON CONNECTOR 4TTL-15
	SN00000179	BUTTON SPRING 4TR-1988A#2 10F
	AU00001183	TOP COVER POLY 3TTE-6#3
	OM10001843	FL ORNAMENTAL PLATE 4TPH-4#1
	LB03740005	AM LOOP ANT. W/HOLDER TRL-374
	OM70000259	FILTER BOARD 4TSJ-9#4 83 $\times$ 22
	SR00000882	UPPER COVER SPACER 4TR-2418
	PL00001087	STYROL SIDE MOULDING 2TTE-8B#2 TZ-164-1
	TN10004748	INSIDE CARTON 4TR-3104A
	MN10003591	OWNER'S MANUAL RT-935AX