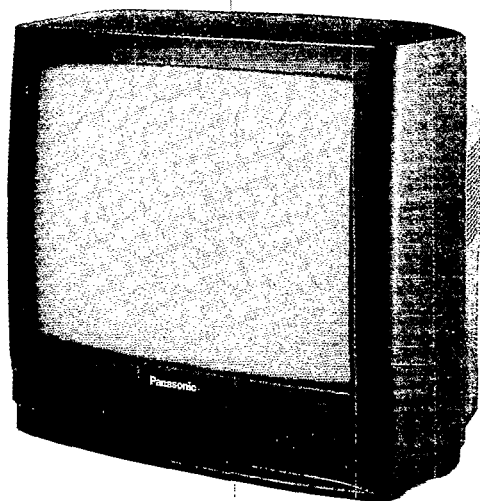


Service Manual



Colour Television

TX-25MD1

TX-21MD1

EURO-2 Chassis

Specifications

(Information in brackets {} refer to TX-21MD1)

Power Source :	220-240V AC 50Hz
Power Consumption :	92W { 75W }
Aerial Impedance :	75Ω unbalanced, Coaxial Type
Receiving System :	PAL-I (UHF), PAL-60
Receiving Channels :	UHF E21 - E69
Intermediate Frequency :	
Video	39.5 MHz
Sound	33.5MHz
Colour	35.07 MHz
Video / Audio Terminals :	
AUDIO MONITOR OUT	Audio(RCA x 2) 500mV rms, 1kΩ
AV1 IN	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500mV rms, 10kΩ RGB (21 pin)
AV1 OUT	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500mV rms, 1kΩ
AV2 IN	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500mV rms, 10 kΩ S-Video IN Y : 1 Vp-p 75Ω (21 pin) C : 0.3 Vp-p 75Ω

AV2 OUT	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500mV rms, 1kΩ
AV3 IN	Audio (RCA x 2) 500mV rms, 10kΩ Video (RCA x 1) 1 Vp-p 75Ω
High Voltage :	27kV ± 1kV at zero beam current
Picture Tube :	63 cmV {55 cmV} measured diagonally.
Audio Output :	
Internal Speaker	2 x 15 W (Music Power) 8Ω Impedance
Headphones	1 x 8 Ω Impedance
Accessories supplied :	Remote Control UM3 Battery T.V. Stand
Dimensions :	Height : 531mm {480mm} Width : 601mm {525mm} Depth : 440mm {480mm}
Net Weight	25kg {20.2kg}

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

Panasonic

Panasonic (U.K.) Ltd.
WILLOUGHBY ROAD,
BRACKNELL, BERKS,
RG12 4FP.

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Safety Precautions

General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 28 kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

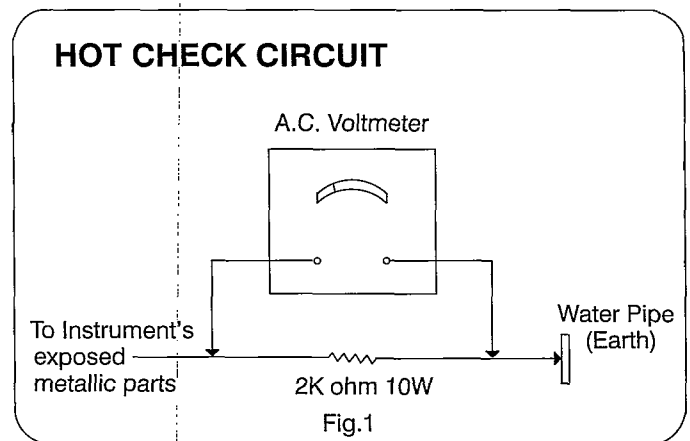
4. Check each exposed Metallic part and check the voltage at each point.
5. Reverse the AC plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis the reading must be infinite.

Leakage Current Hot Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k ohm 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.



X-Radiation Warning

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 28kV without causing X-Radiation.

NOTE : It is important to use an accurate periodically calibrated high voltage meter

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate 27kV \pm 1kV at zero beam current if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent an X-Radiation possibility, it is essential to use the specified tube.

Service Hints

How to remove the rear cover

1. Remove the 5 fixing screws (A) as shown in Fig.2

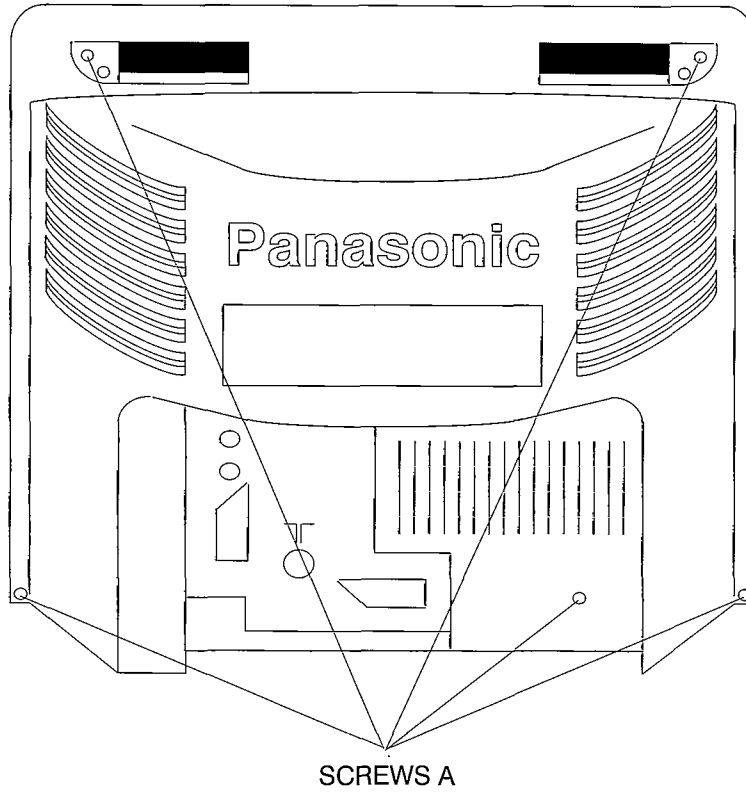


Fig.2.

Location Of Controls

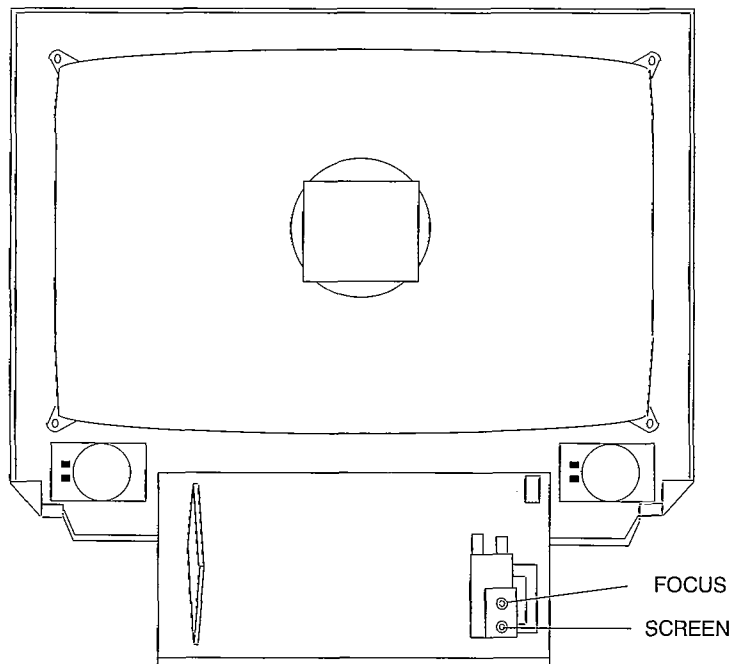
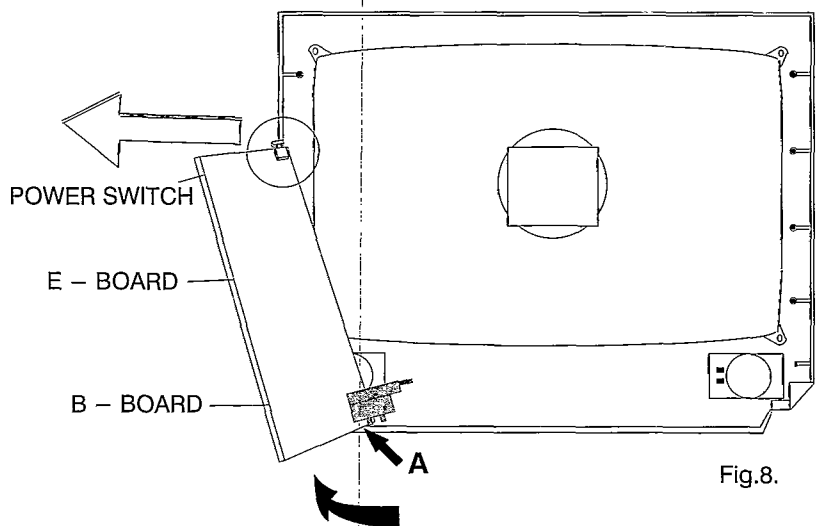
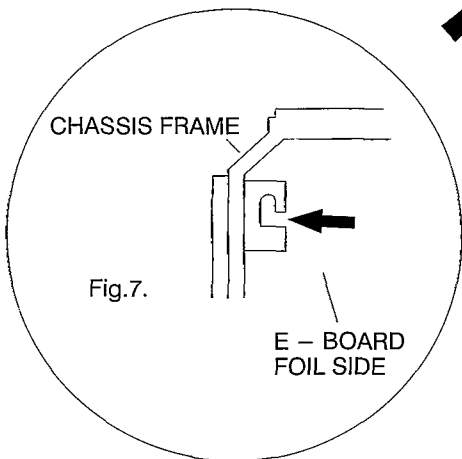
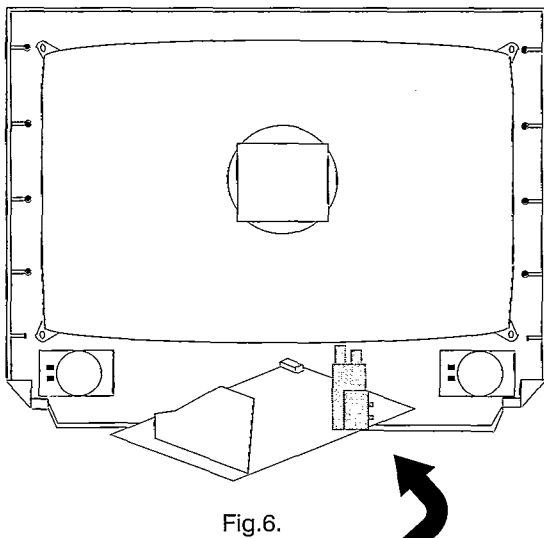
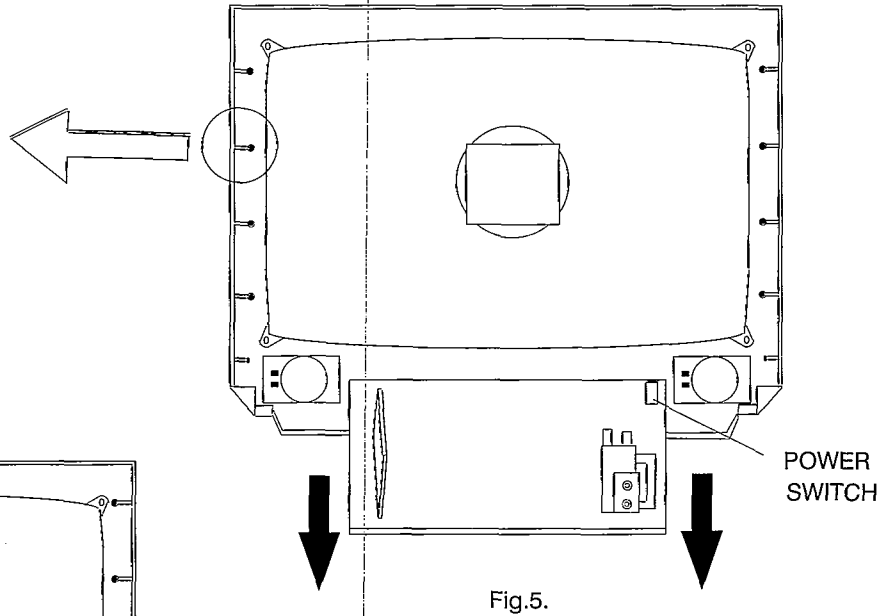
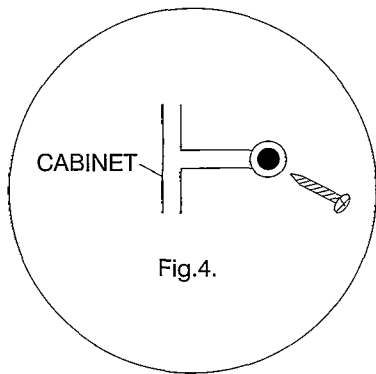


Fig.3.

How to move the chassis into the Service position

1. Insert 1 of the backcover screws into the rib on the left hand side of the cabinet as shown in Fig.4.
2. Hold and lift the rear of the E- PCB chassis and gently pull the chassis toward you as shown in fig.5.
3. Release the respective wiring clips and rotate the chassis horizontally through 90°, anti-clockwise, shown in Fig.6, then elevate the front of the chassis as shown in fig.8.
4. Clip the chassis frame onto the screw in the rib of the cabinet, shown in Fig.7/8.
5. Locate the base of the chassis frame into the recess marked A, shown in Fig.8.
6. After servicing remove the screw and ensure all wiring is returned to its original position before returning the receiver to the customer.



Service Mode

The remote control is used for entering and storing adjustments, with the exception of cut-off adjustments which must always be done prior to service adjustment. Perform adjustments in accordance with screen display. The display on the screen also specifies the CCU variants as well as the approx. setting values. The adjustment sequence for the service mode is indicated below.

1. Set the Bass to maximum position, set the Treble to minimum position, press the F button followed by the Volume down on the customer controls at the front of the TV and at the same time press the Reveal button on the remote control, this will place the TV into the Service Mode.
2. Press the RED / GREEN buttons to step down / up through the functions.
3. Press the YELLOW / BLUE buttons to alter the function values.
4. Press the STORE button on the preset panel after each adjustment has been made to store the required values.
5. To exit the Service Mode press the Normalisation button.

NOTE: This TV also has the option of using a Memory Pack which enables you to copy the preset TV channels and analogue levels into the Memory Pack and then upload them onto another EURO-2 TV set.

Using the Memory Pack

TV to Memory Pack process

1. Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
2. Go into the Service Mode as explained above. The screen will show:—

Program
External>>TV

3. Press the blue button on the remote control. The screen will show:—

Program
TV>>External

4. Press the STORE button on the TV. The screen will show:—

Storing

5. All the tuning information stored inside the TV will now be transferred to the Memory Pack. This process will take 2–3 minutes to complete and when finished the screen will show:—

OK!

Memory Pack to TV Process

1. Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
2. Go into the Service Mode as explained above. The screen will show:—

Program
External>>TV

3. Press the STORE button on the TV. The screen will show:—

Loading

4. All the tuning information stored inside the Memory Pack will now be transferred to the TV. This process will take 2–3 minutes to complete and when finished the screen will show:—

OK!

5. The tuning information from the Memory Pack has now been copied into the TV
6. To exit from the Service Mode switch off the TV.
7. The process has now been completed and the Memory Pack can now be removed.

Errors

If an error occurs while using the Memory Pack the TV will detect this and the screen will show:—

Program
Error!

If this happens then switch off the TV and repeat the process that was being used. If the errors continue to occur then check the connectors between the TV and the memory pack and check the 9V battery inside the memory pack.

SELF CHECK

Self check is used to automatically check the Bus lines and Hexadecimal code of the TV set.

To enter the Self Check mode press Function down button, on the Preset Panel, at the same time pressing the Status button, on the Remote Control, and the screen will show:—

1 — ok	Tuner	11 — --	Dolby IC for C/R	21 — ok	P SBLED
2 — ok	VIF	12 — ok	P S MODE	22 — ok	P OFF
3 — ok	EEPROM	13 — ok	P TA0	23 — ok	P DEFL
4 — ok	Sound AV switch1	14 — ok	P TA1	24 — ok	P RAM
5 — ok	Video AV switch1	15 — ok	P TA2		
6 — ok	VDP	16 — ok	P TA3		
7 — ok	TPU	17 — ok	P SDA		
8 — ok	MSP	18 — ok	P SCL1		
9 — --	Dolby Sub	19 — ok	P SCL3		
10 — --	Dolby IC for L/R	20 — ok	P SCL4		
				06	
				CE	
				34	Hex codes
				94	
				8D	

If the CCU ports have been checked and found to be incorrect then "--" will appear in place of "OK".

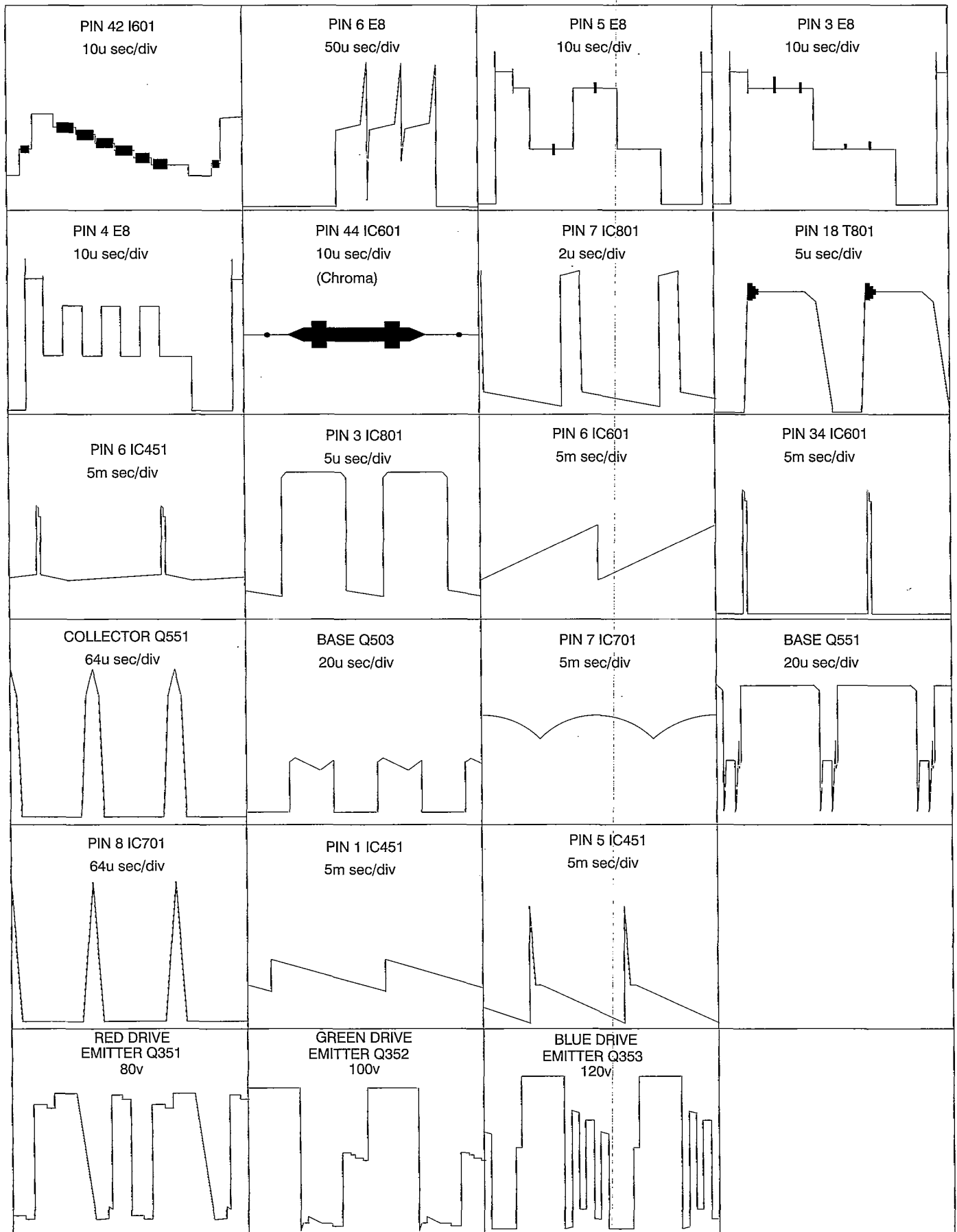
Adjustment Procedure

Item/Preparation	Adjustments
+B SET-UP 1. Receive a window pattern 2. Set the controls: Brightness minimum Contrast minimum Volume minimum	1. Set the +B voltage up as follows: Adjust R811 so that B2 shows 130V +/- 1V 2. Confirm the following voltages. B1 200 +/- 10V B6 12 +/- 0.5V B3 27 +/- 1V B7 5 + 0.1/-0.25V B4 35.5 +/- 1V B8 5 +/- 0.25V B5 16.0 +/- 1V U33 31 +/- 1V
RF AGC 1. Receive a test pattern. 2. Connect an oscilloscope between the tuner RF AGC and ground. 3. Set the oscilloscope gain range to 1V/div.	1. Check that the noise becomes large when the RF AGC VR R126 is turned counterclockwise. After the check turn it clockwise. 2. Gradually turn the RF AGC VR anti-clockwise, and set the RF AGC VR to the point where the RF AGC voltage is just falling to a point where this voltage drops by 0.2V from the maximum value.
CUT OFF 1. Receive a widow pattern. 2. Degauss the tube externally. 3. Set the TV into Service Mode 1. 4. Select Cutoff DC mode.	1. Confirm then value is 128 and select Ug2 mode noting colour with largest value 2. Turn the screen VR until a colour reaches 20 ~ 30. 3. Connect an oscilloscope to the cathode with the biggest value colour. 4. Select Cutoff DC mode and adjust Cutoff pulse to 159V +/- 5V. 5. Disconnect the oscilloscope and adjust the screen to whichever colour reaches 50 +/- 10 first.

Alignment Settings

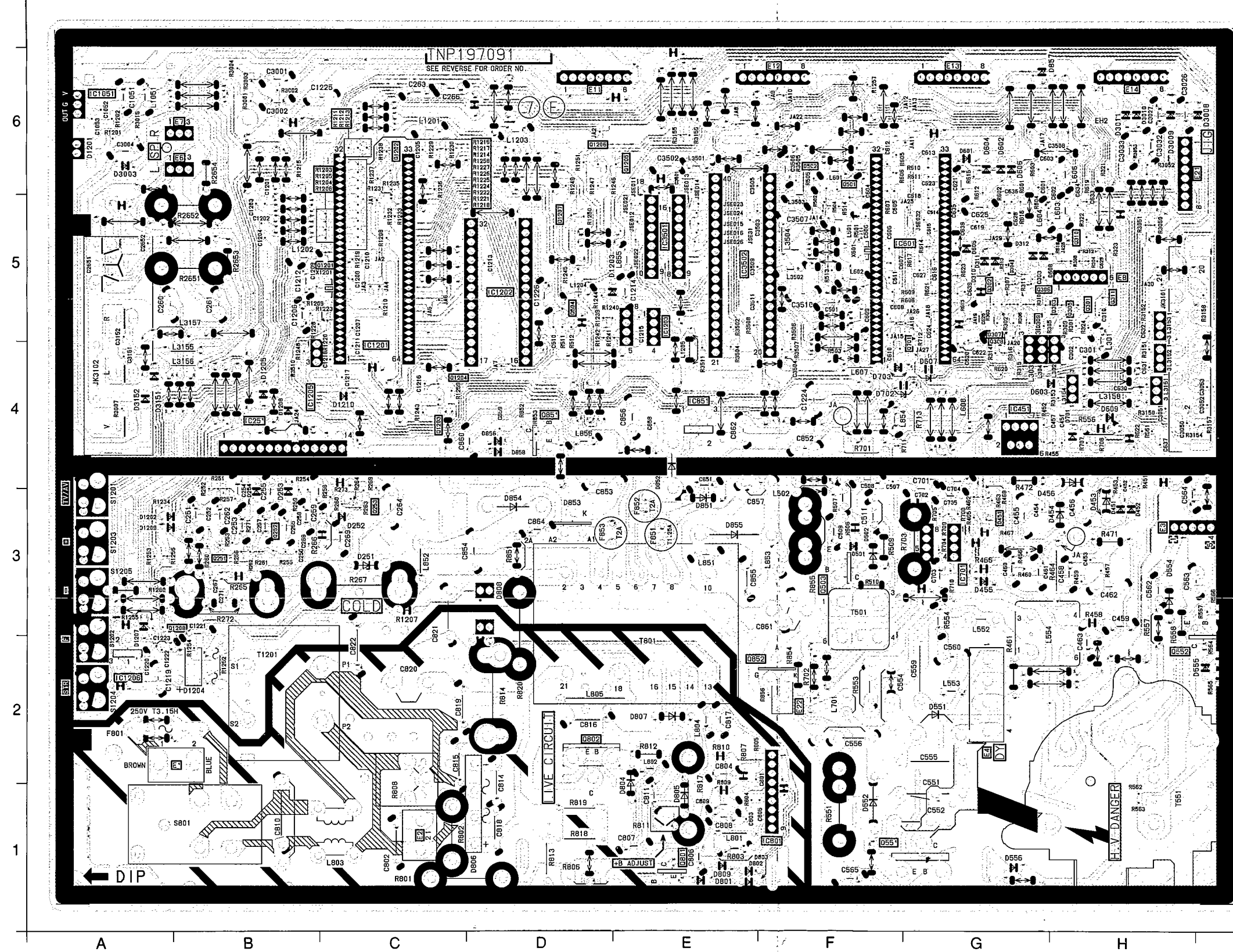
Alignment Function	TX-25MD1	TX-21MD1	Settings / Special features
1. Vertical amplitude	V-AM P051	V-AM P063	Optimum setting
2. Vertical symmetry	V-SYM 013	V-SYM 002	
3. Vertical linearity	V-LIN 012	V-LIN -020	
4. Vert. D.C.	Vert. D.C. 000	Vert. D.C. 000	No adjustment
5. V-Pos.	V. Pos. 003	V. Pos 005	Optimum setting
6. Horizontal amplitude	H-AM P-033	H-AM P-044	Optimum setting
7. Horizontal position	H-POS 049	H-POS 542	
8. Text Position	TEXT POSITION 045	TEXT POSITION 049	Optimum setting
9. EW-amplitude	E-W-AMP 1 -058	E-W-AMP 1 -059	Optimum setting
10. EW-amplitude	E-W-AMP 2 023	E-W-AMP 2 044	Optimum setting
11. Trapezium-comp	TRAPEZ-1 -014	TRAPEZ-1 000	Optimum setting
12. Trapezium-comp	TRAPEZ-2 012	TRAPEZ-2 -009	Optimum setting
13. Colour VCO	Colour VCO 015	Colour VCO 006	Press either Blue or Yellow buttons to effect automatic adjustment
14. Cut-off DC	Cut-off DC 050	Cut-off DC 050	No adjustment
15. Ug2 Test	Ug 2 Test 107 021 023	Ug 2 Test 094 044 020	Select Cutoff DC in Service Mode mode and confirm the value is 128. Select Ug 2 Test noting colour with largest value, adjust on FBT until a colour reaches 20 ~ 30. Connect an oscilloscope to the cathode of the biggest value colour, select Cutoff DC mode and adjust get Cutoff pulse voltage to 159±5V. Disconnect the oscilloscope and adjust the screen to whichever colour reaches 50±10 first.
16. Cutoff	Cutoff 045 055 050	Cutoff 057 064 056	Press the GREEN button to step through the settings. Adjust for optimum.
17. White	White 224 255 237	White 200 255 246	Press the GREEN button to step through the settings. Adjust for optimum.

WAVEFORM PATTERN TABLE



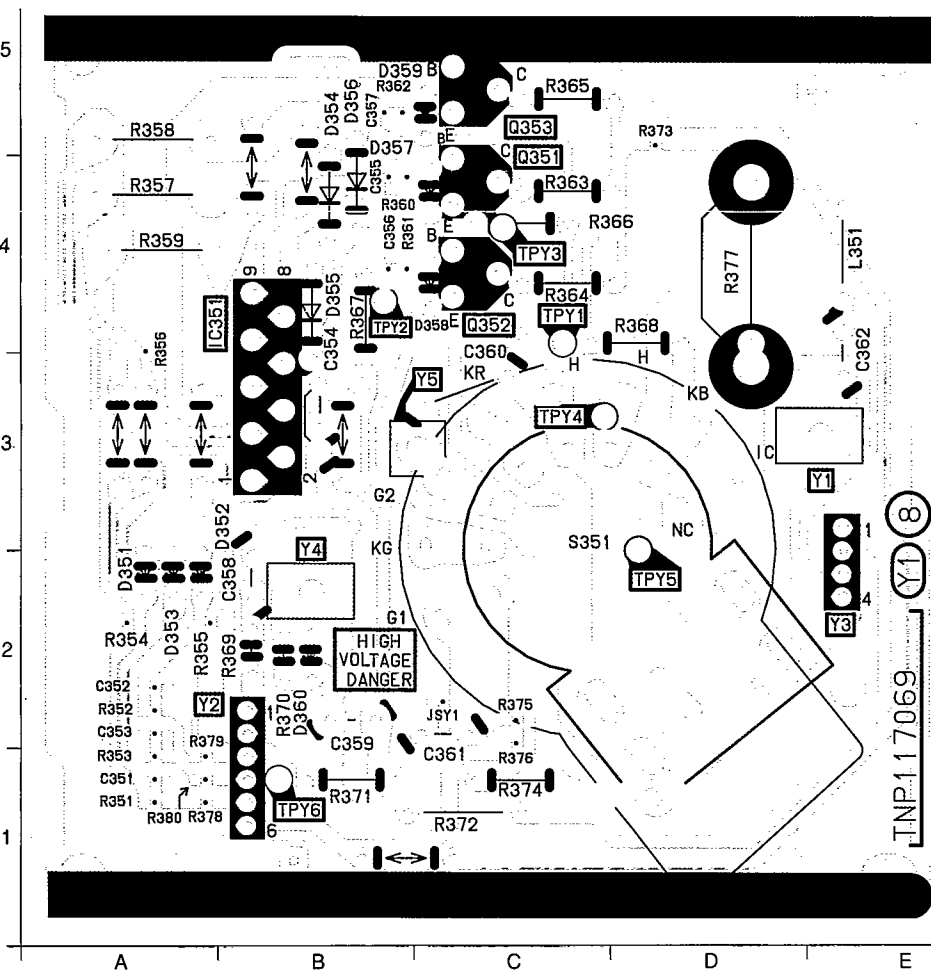
CONDUCTOR VIEWS

E - BOARD TNP197091



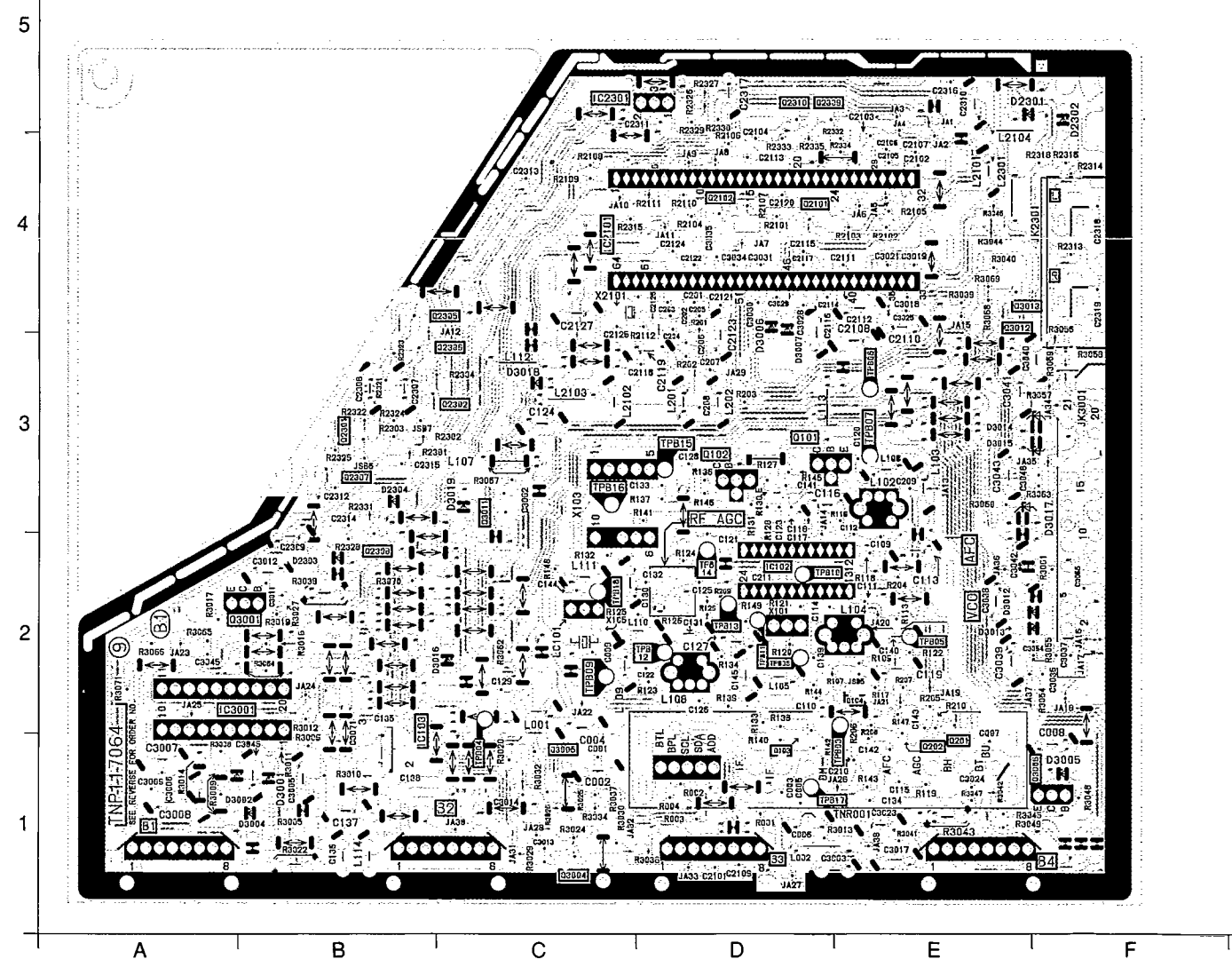
E - BOARD							
TRANSISTORS	DIODES	DIODES	I.C.'S				
Q251	B3	D251	C3	D801	E1	I.C.251	B4
Q252	B3	D252	C3	D802	E1	I.C.451	G4
Q253	C3	D253	B3	D803	E1	I.C.701	G3
Q301	H5	D254	B3	D804	E1	I.C.801	F1
Q302	G5	D310	G5	D805	E1	I.C.851	E4
Q303	H5	D311	G5	D806	D1	I.C.1051	A6
Q305	H5	D312	G5	D808	D3	I.C.1201	C4
Q306	G5	D451	H3	D809	E1	I.C.1202	D5
Q307	G5	D452	H3	D851	E3	I.C.1203	E5
Q308	G4	D453	H3	D852	E4	I.C.1205	B4
Q309	G5	D454	H3	D853	D3	I.C.1206	A2
Q310	H5	D455	G3	D854	D3	I.C.3501	E5
Q311	H5	D456	G3	D855	E3	I.C.3502	E5
Q451	G3	D501	F3	D856	D4		
Q501	F6	D502	F3	D857	G6		
Q502	F6	D551	G2	D858	D4		
Q503	F3	D552	F1	D1201	A6		
Q504	D5	D554	H3	D1202	A3		
Q551	F1	D555	H2	D1203	D5		
Q552	H2	D556	G1	D1204	B2		
Q701	G5	D601	G6	D1205	B4		
Q801	E1	D602	G6	D1207	A2		
Q802	D2	D603	G4	D1208	B4		
Q851	D4	D604	G6	D1209	A3		
Q852	E2	D605	G5	D1210	C4		
Q1202	C6	D606	G6	D3003	A6		
Q1203	C4	D607	G4	D3008	H6		
Q1204	C4	D608	G5	D3009	H6		
Q1205	E6	D609	H4	D3010	H6		
Q1206	D6	D701	H4	D3151	A4		
Q1207	D5	D702	F4	D3152	A4		
Q1208	B3	D703	F4				

Y - BOARD TNP117069



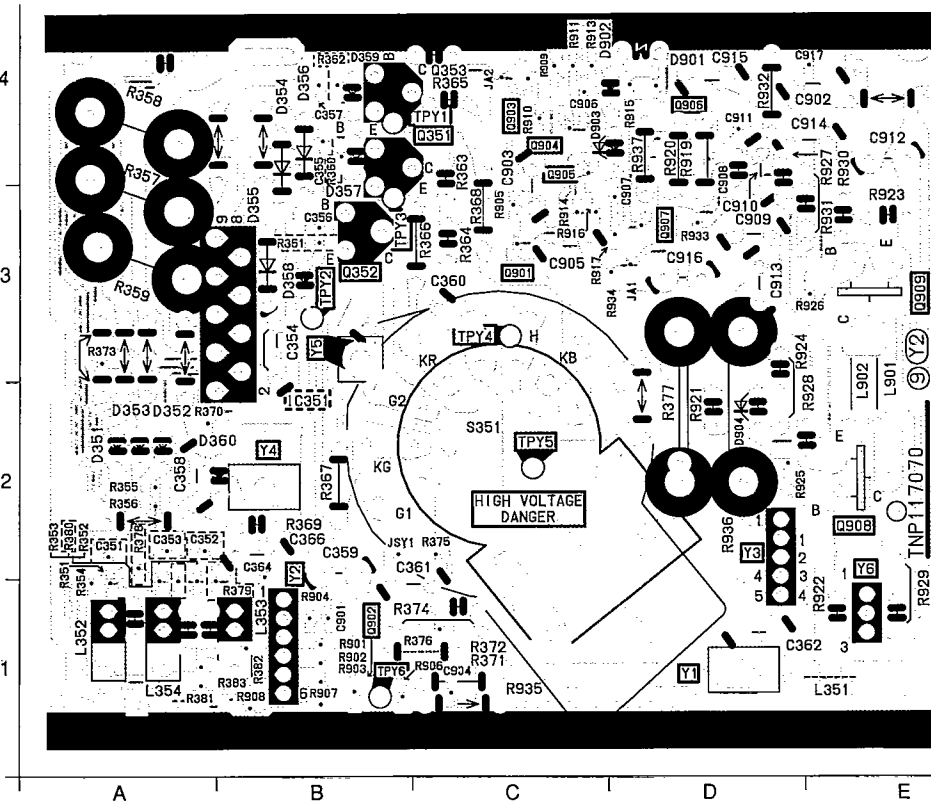
Y - BOARD					
TRANSISTORS	DIODES	TEST POINTS			
Q351	C4	D351	A2	TPY1	C3
Q352	C4	D352	A2	TPY2	B4
Q353	C5	D353	A2	TPY3	C4
		D354	B4	TPY4	C3
		D355	B4	TPY5	D2
		D356	B4	TPY6	B1
		D357	B4		
		D360	B2		

B - BOARD TNP117064



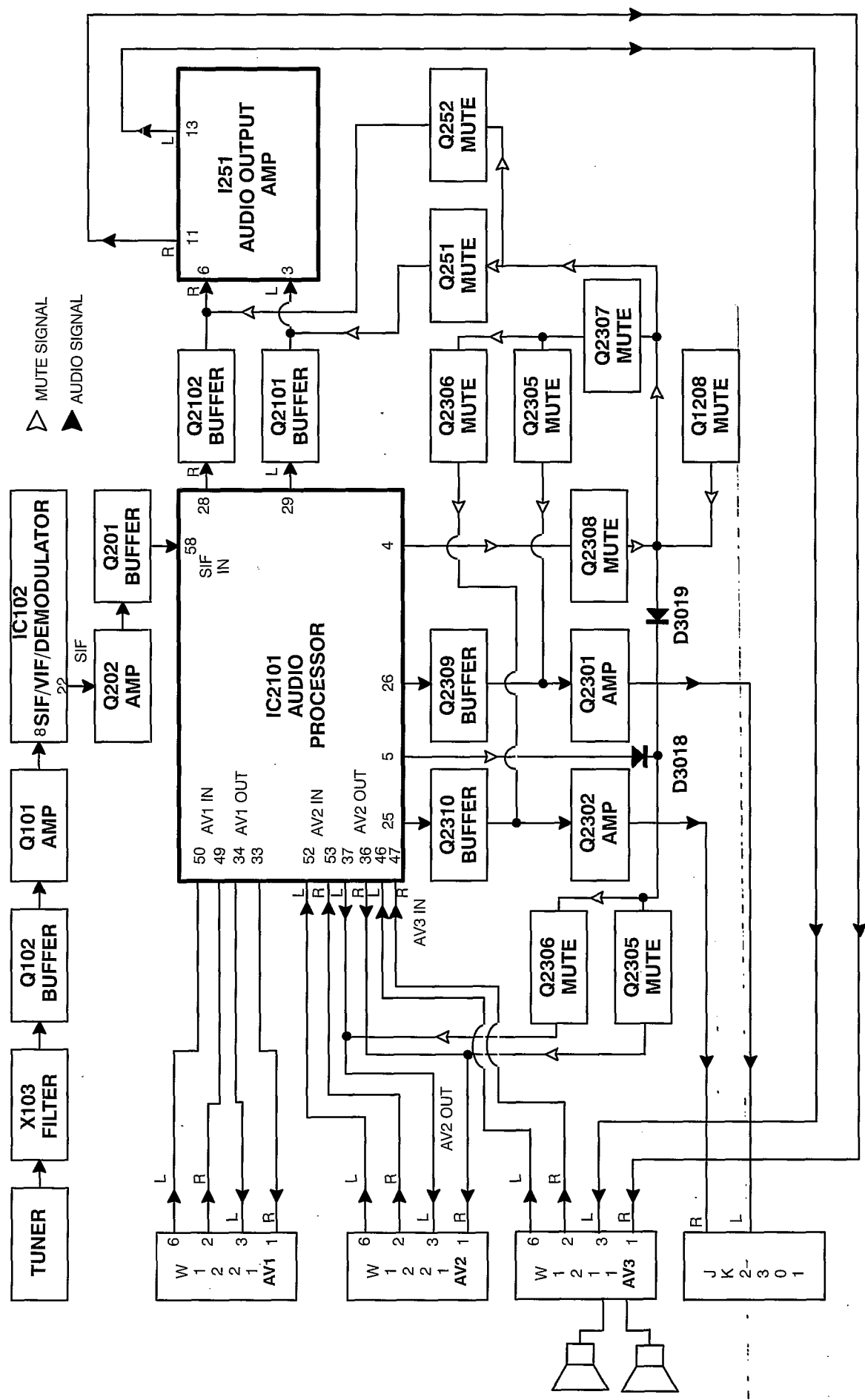
B - BOARD					
TRANSISTORS	DIODES	TEST POINTS			
Q101	D3	D2301	E5	TPB03	E1
Q102	D3	D2302	F5	TPB04	C2
Q103	D1	D2304	B3	TPB05	E2
Q201	E1	D3001	B1	TPB06	E3
Q202	E1	D3002	A1	TPB07	E3
Q2101	D4	D3004	B1	TPB08	D2
Q2102	D4	D3005	F1	TPB09	C2
Q2301	B3	D3006	D3	TPB10	D2
Q2302	C3	D3007	D3	TPB11	D2
Q2305	C4	D3012	E2	TPB12	D2
Q2306	C3	D3013	E2	TPB13	D2
Q2307	B3	D3014	F3	TPB14	D2
Q2308	B2	D3015	F3	TPB15	D3
Q2309	D5	D3016	C2	TPB16	C3
Q2310	D5	D3017	F3	TPB17	D1
Q3001	B2	I.C.'S		TPB18	C2
Q3004	C1	I.C.102	D2		
Q3005	C1	I.C.2101	C4		
Q3006	F1	I.C.2301	C5		
Q3011	C3	I.C.3001	A2		
Q3012	E3				
Q3013	E4				

Y - BOARD TNP117070

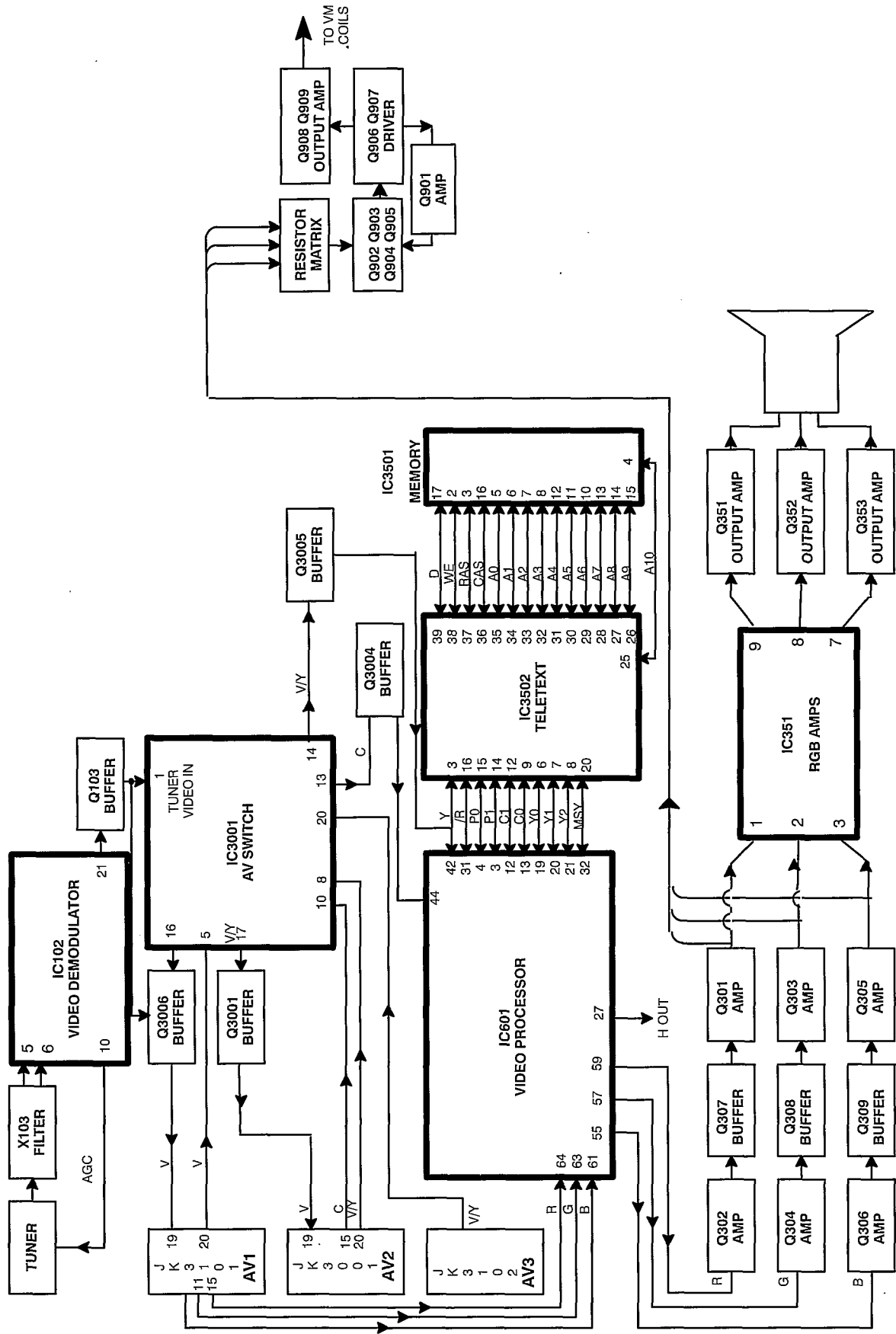


Y - BOARD					
TRANSISTORS	DIODES	TEST POINTS			
Q351	C3	D351	A2	TPY1	B4
Q352	B3	D352	A2	TPY2	B3
Q353	C4	D353	A2	TPY3	B3
Q901	C3	D358	B3	TPY4	C3
Q902	B1	D360	B2	TPY5	C2
Q903	C4	D902	D4	TPY6	B1
Q904	C4	D903	C4		
Q905	C4	D904	D2		
Q906	D4	I.C.'S			
Q907	D3	I.C.351	B2		
Q908	E2				
Q909	E3				

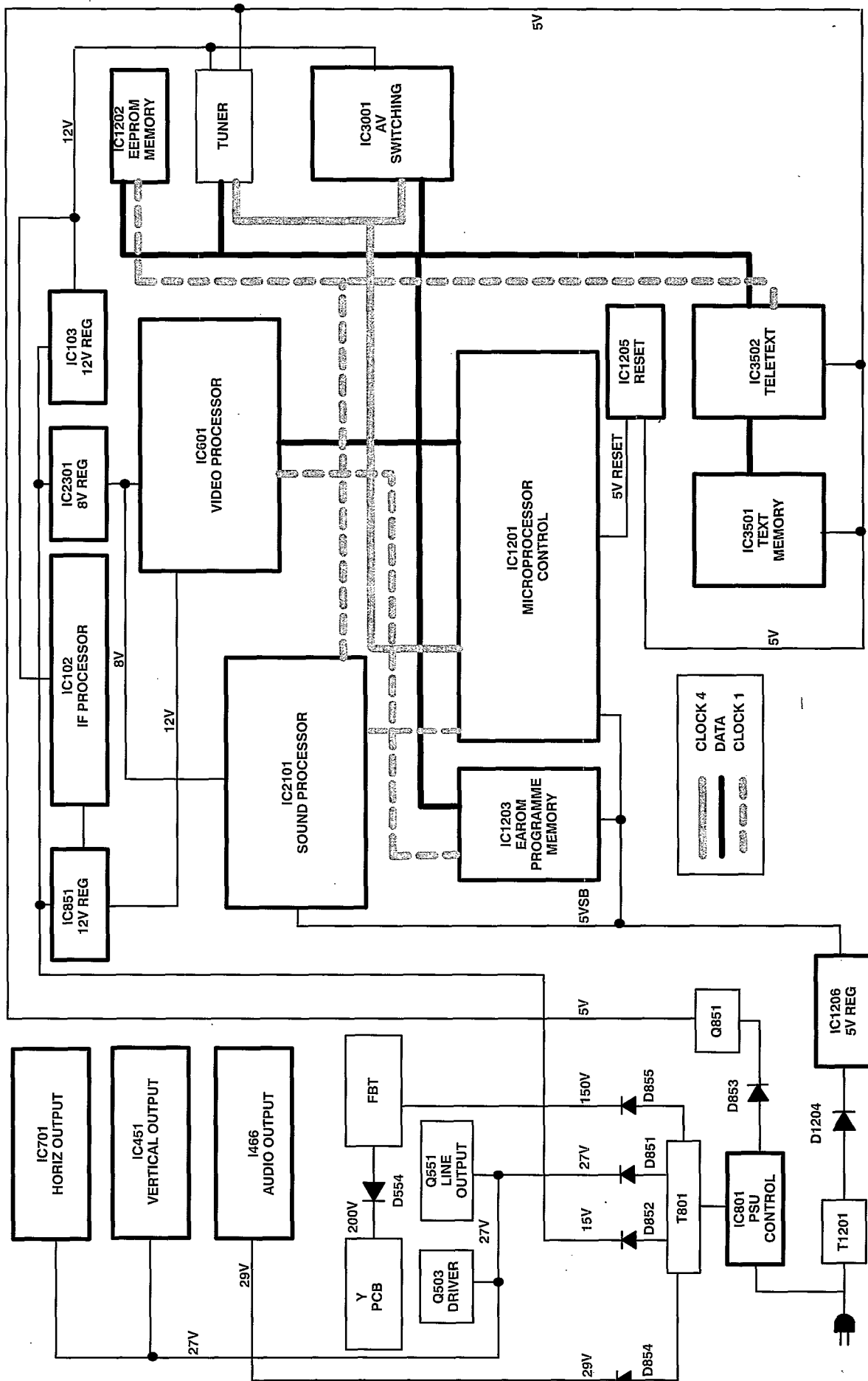
AUDIO BLOCK DIAGRAM



VIDEO BLOCK DIAGRAM




POWER SUPPLY AND CONTROL BLOCK DIAGRAM










SCHEMATIC DIAGRAM FOR MODELS TX-25/21MD1 (EURO-2L CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes

1. RESISTOR
All resistors are carbon 1/4W resistor, unless marked.
Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).
2. CAPACITOR
All capacitors are ceramic 50V capacitors, unless marked, the unit of capacitance is μ F unless otherwise stated.
3. COIL
Unit of inductance is μ H, unless otherwise stated.
4. TEST POINT
 : Test Point position
5. EARTH SYMBOL
 : Chassis Earth (Cold)
 : Line Earth (Hot)

6. VOLTAGE MEASUREMENT
Voltage is measured by a DC voltmeter.
Measurement conditions are as follows:

Power source	AC 220-240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position
7.  : Indicates the Video signal path
 : Indicates the Audio signal path
 : Indicates the Vertical/Horizontal signal path
8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

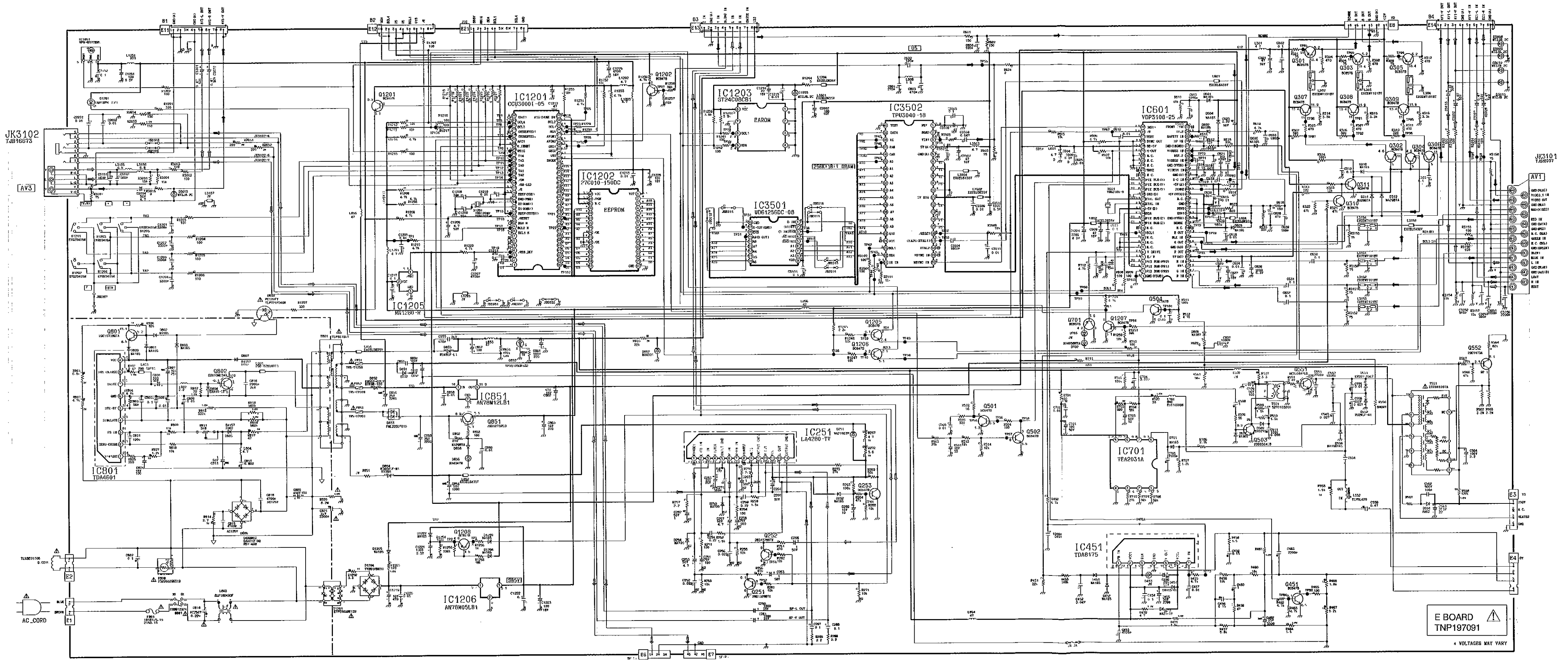
Precautions

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short-circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

Remarks

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

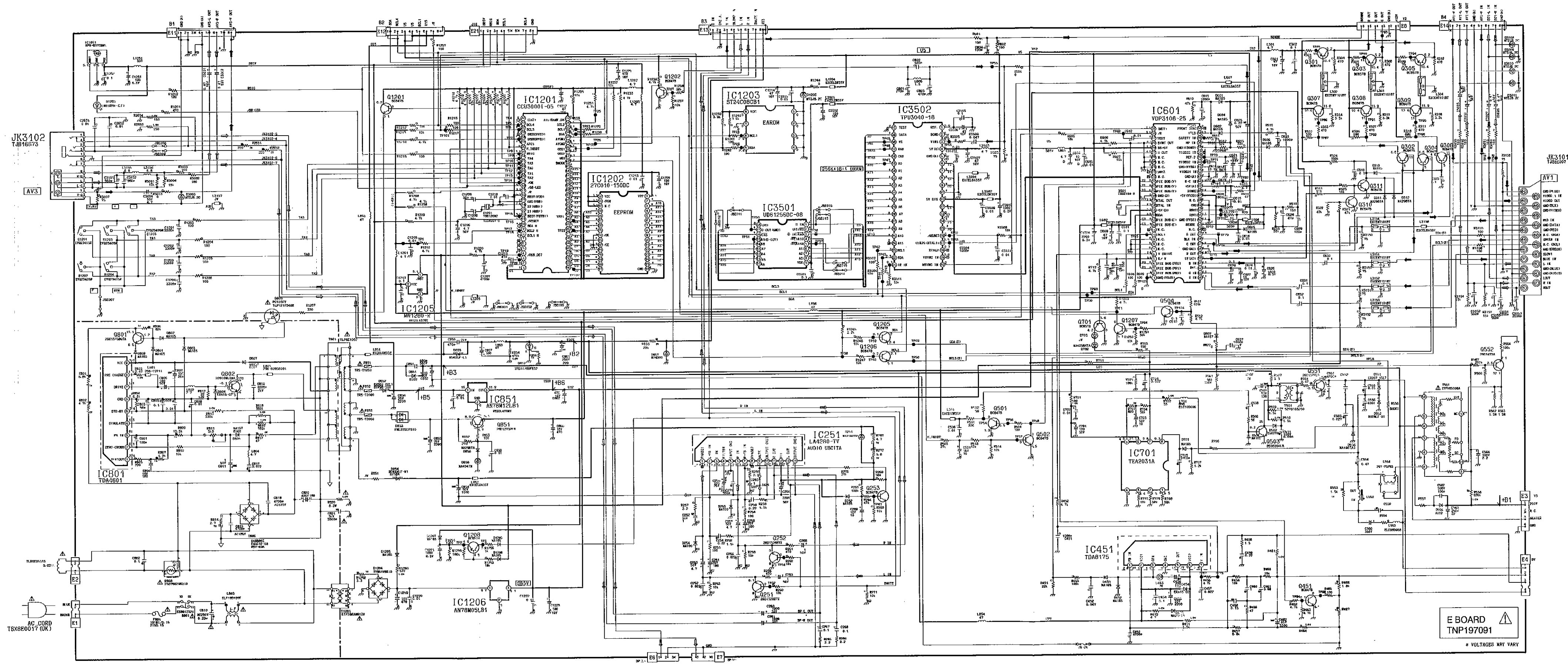
E - BOARD TNP197091 TX-21MD1

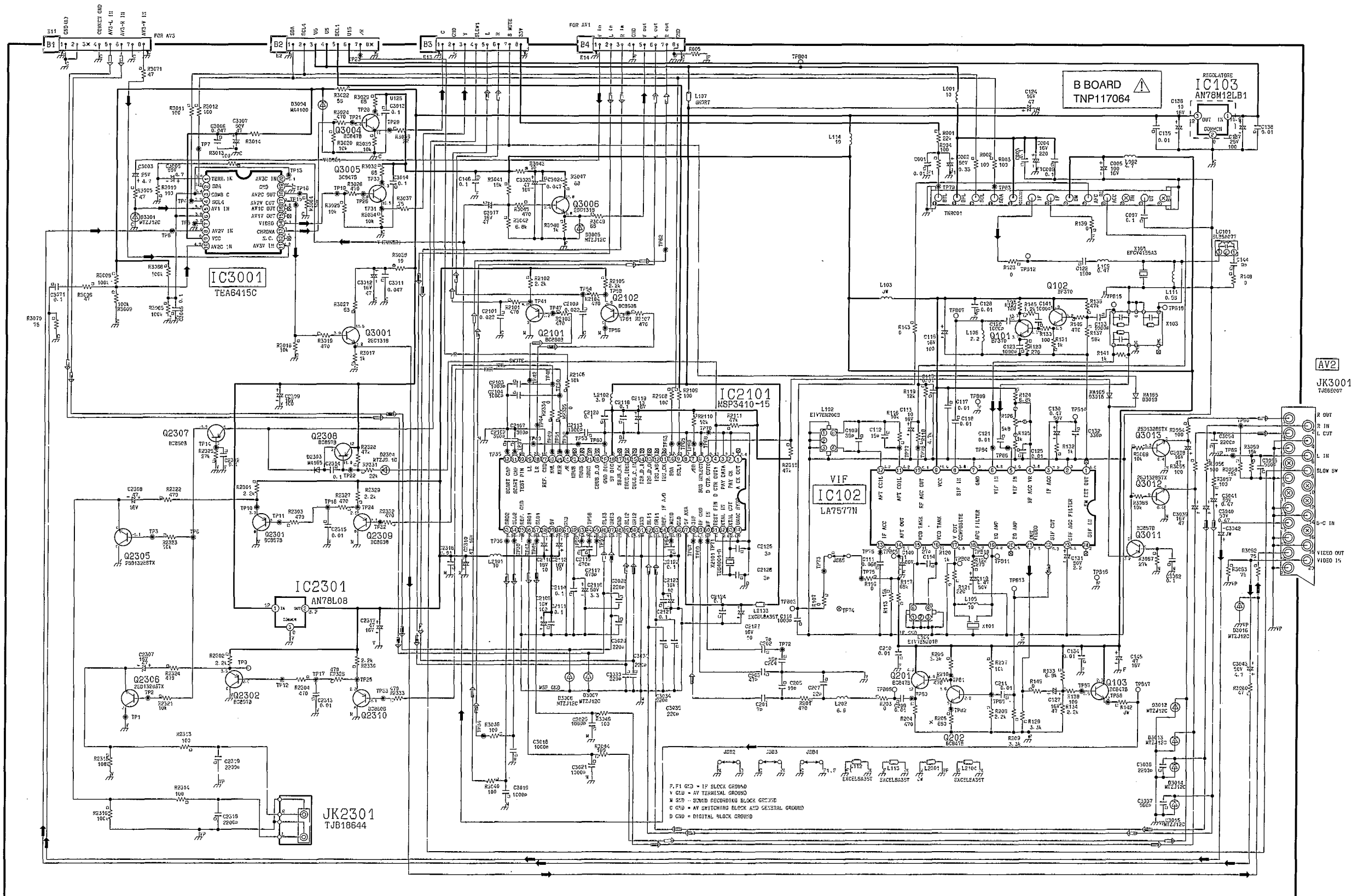


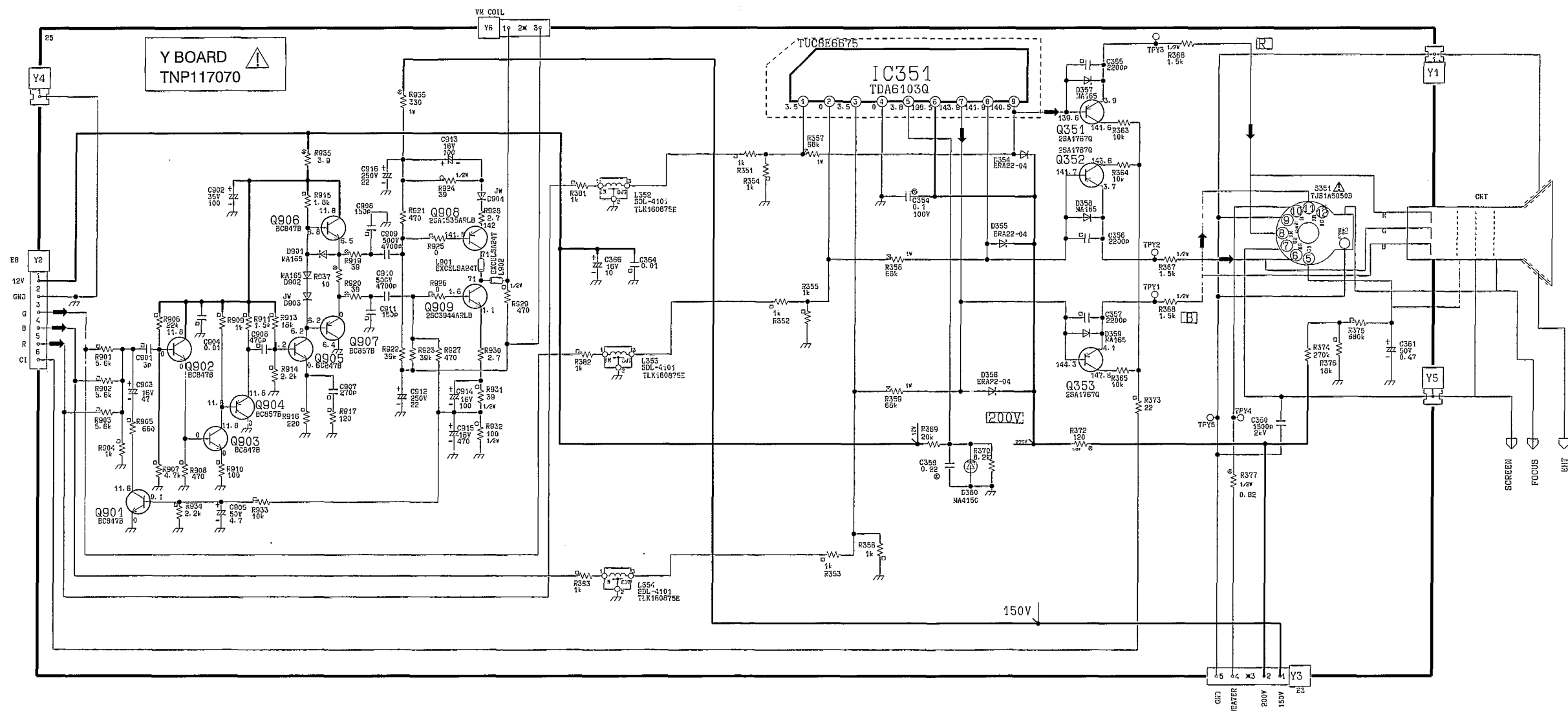
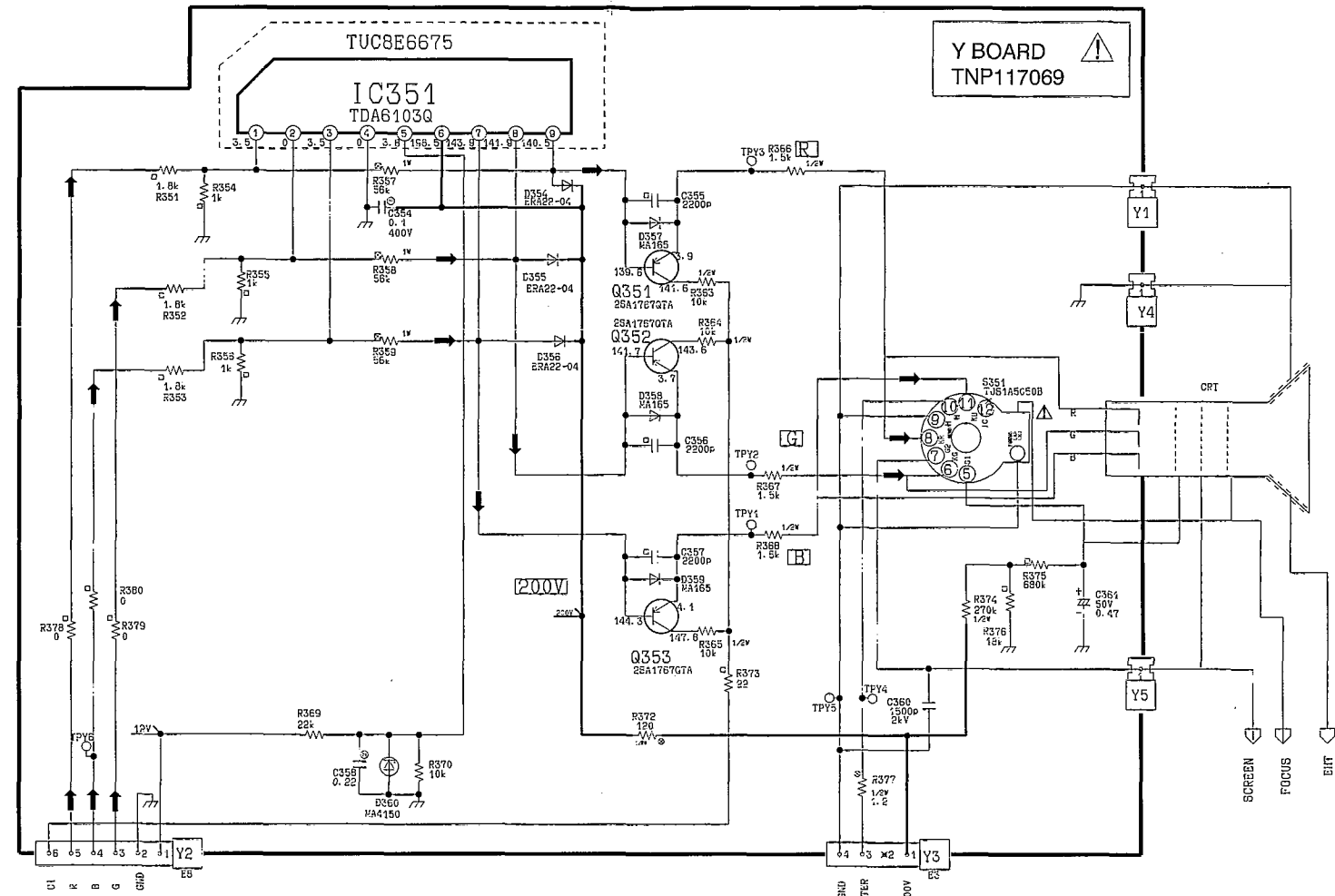
JK3102
TJB16673

JK3101
TJB5897

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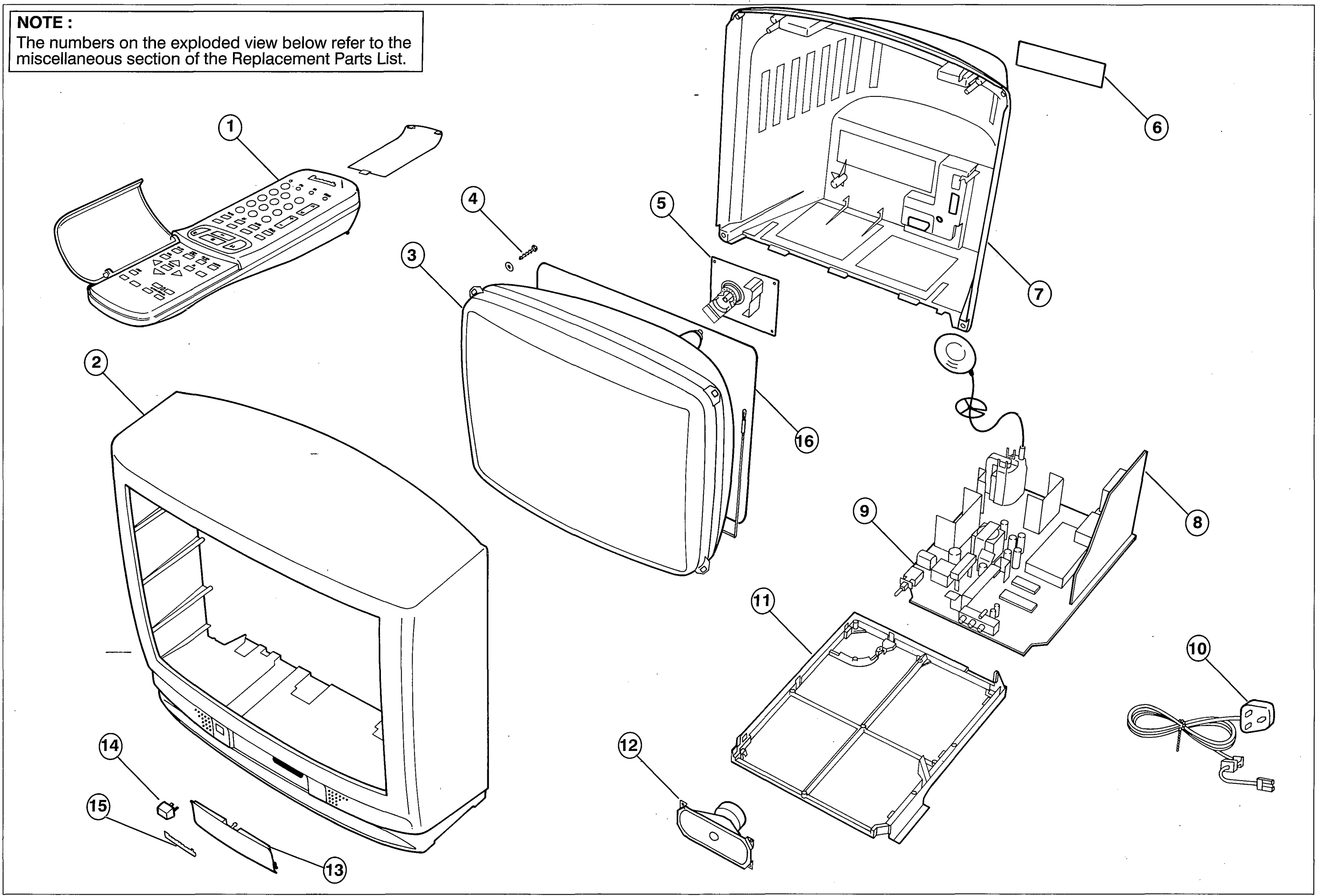






PARTS LOCATION

NOTE :
The numbers on the exploded view below refer to the miscellaneous section of the Replacement Parts List.



Ref No.	Part No.	Description		
C3025	ECUV1H102KBX	S.M. CAP	50V	1nF
C3026	ECEA1HMR47GB	ELECT	50V	0.47μF
C3027	ECEA1HMR47GB	ELECT	50V	0.47μF
C3028	ECUV1H221JX	S.M. CAP	50V	220pF
C3029	ECUV1H221JX	S.M. CAP	50V	220pF
C3030	ECUV1H221JX	S.M. CAP	50V	220pF
C3031	ECUV1H221JX	S.M. CAP	50V	220pF
C3032	ECEA1HMR47GB	ELECT	50V	0.47μF
C3033	ECEA1HMR47GB	ELECT	50V	0.47μF
C3034	ECUV1H221JX	S.M. CAP	50V	220pF
C3035	ECUV1H221JX	S.M. CAP	50V	220pF
C3036	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C3037	ECUV1H561JCX	S.M. CAP	50V	560pF
C3038	ECEA1CM470GB	ELECT	16V	47pF
C3039	ECEA1CM470GB	ELECT	16V	47pF
C3040	ECEA1HMR47GB	ELECT	50V	0.47μF
C3041	ECEA1HMR47GB	ELECT	50V	0.47μF
C3043	ECEA1HM4R7GB	ELECT	50V	4.7μF
C3045	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3050	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C3051	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C3052	ECUV1H561JCX	S.M. CAP	50V	560pF
C3053	ECUV1H561JCX	S.M. CAP	50V	560pF
C3054	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C3055	ECUV1H561JCX	S.M. CAP	50V	560pF
C3062	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3071	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3151	ECUV1H561JCX	S.M. CAP	50V	560pF
C3152	ECUV1H561JCX	S.M. CAP	50V	560pF
C3501	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3502	ECEA1CM101GB	ELECT	16V	100μF
C3503	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3504	ECUV1H102JCX	S.M. CAP	50V	1nF
C3505	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3506	ECEA1CM470GB	ELECT	16V	47pF
C3507	ECEA1CM470GB	ELECT	16V	47pF
C3508	ECUV1H473ZFX	S.M. CAP	50V	47nF
C3509	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3510	ECEA0JM102GB	ELECT	6.3V	1000μF
C3511	ECUV1H103ZFX	S.M. CAP	50V	10nF

DIODES

D251	MA2180TP	DIODE
D253	MA700TA5	DIODE
D254	MA700TA5	DIODE
D310	MA165TA5	DIODE
D311	MA29TA5	DIODE
D312	MA29TA5	DIODE
D354	ERA22-04V1	DIODE
D355	ERA22-04V1	DIODE
D356	ERA22-04V1	DIODE
D357	MA165TA5	DIODE
D358	MA165TA5	DIODE
D359	MA165TA5	DIODE
D360	MA4150	DIODE
D451	MA165TA5	DIODE
D452	MA165TA5	DIODE
D454	ERA15-02V3	DIODE
D456	MA2160BLFS	DIODE
D501	MA165TA5	DIODE
D551	ERD07-15L7	DIODE
D552	TVSRU2AM	DIODE
D554	AU02V0	DIODE
D556	MA166TA5	DIODE
D601	MA165TA5	DIODE
D602	MA165TA5	DIODE
D604	MA165TA5	DIODE
D605	MA165TA5	DIODE
D606	MA165TA5	DIODE

Ref No.	Part No.	Description
D609	MA167TA5	DIODE
D701	MA165TA5	DIODE
D702	MA4056	DIODE
D801	MA165TA5	DIODE
D802	MA165TA5	DIODE
D803	MA165TA5	DIODE
D804	ERA15-02V3	DIODE
D805	EU02	DIODE
D806	RBV4-08	DIODE
D807	EU02	DIODE
D808	PC120FY	DIODE
D809	MA165TA5	DIODE
D851	EU02	DIODE
D852	ERD32-02L7	DIODE
D853	FML22SLF610	DIODE
D854	RU4AMLF-M1	DIODE
D855	RU4BLF-L1	DIODE
D856	MA4047	DIODE
D857	MA4300	DIODE
D858	MA29TA5	DIODE
D1201	LN81RPHL	DIODE
D1203	MA4082	DIODE
D1204	TVSS1WBS10	DIODE
D1205	MA165TA5	DIODE
D1207	MA165TA5	DIODE
D1208	MA165TA5	DIODE
D1209	MA165TA5	DIODE
D2303	MA165TA5	DIODE
D2304	MA4091	DIODE
D3001	MA4120	DIODE
D3003	MA4082	DIODE
D3004	MA4100	DIODE
D3005	MA4120	DIODE
D3006	MA4120	DIODE
D3007	MA4120	DIODE
D3008	MA4082	DIODE
D3009	MA4082	DIODE
D3010	MA4082	DIODE
D3011	MA4082	DIODE
D3012	MA4120	DIODE
D3013	MA4120	DIODE
D3014	MA4120	DIODE
D3015	MA4120	DIODE
D3016	MA4120	DIODE
D3018	MA165TA5	DIODE
D3019	MA165TA5	DIODE

FUSES

F801	19181-3.15	FUSE	△
F851	TR5-T1250	FUSE	△
F852	TR5-T2000	FUSE	△
F853	TR5-T2000	FUSE	△
F8011	EYF52BC	FUSE HOLDER	
F8012	EYF52BC	FUSE HOLDER	

INTEGRATED CIRCUITS

IC102	LA7577N	V.I.F.
IC103	L78M12MRB	12V REGULATOR
IC1051	RPM-637CBRL	L.E.D. RECEIVER
IC1201	CCU3000I-05	CENTRAL CONTROL UNIT
IC1202	27C010-08AM1	EPROM
IC1205	MN1280R	RESET
IC1206	L78M05MRB	5V REGULATOR
IC2101	MSP3410-15	AUDIO PROCESSOR
IC2301	AN78L08TA	8V REGULATOR
IC251	LA4280-TV	AUDIO OUTPUT
IC3001	TEA6415C	A.V. SWITCHING
IC3501	UD61256DC-08	DYNAMIC RAM
IC3502	TPU3040-18	TEXT PROCESSOR

Ref No.	Part No.	Description
IC351	TDA6103Q	R.G.B. AMPLIFIER
IC451	TDA8175-3	VERTICAL OUTPUT
IC601	VDP3108-25	VIDEO PROCESSOR
IC701	TEA2031A	HORIZONTAL OUTPUT
IC801	TDA4601	I.C. POWER SUPPLY
IC851	L78M12MRB	12V REGULATOR

SOCKETS/TERMINALS/LINK WIRES

JA.1	ERJ8GEY0R00	METAL WIRE LINK
JA.11	ERJ8GEY0R00	METAL WIRE LINK
JA.12	ERJ8GEY0R00	METAL WIRE LINK
JA.14	ERJ8GEY0R00	METAL WIRE LINK
JA.15	ERJ8GEY0R00	METAL WIRE LINK
JA.16	ERJ8GEY0R00	METAL WIRE LINK
JA.17	ERJ8GEY0R00	METAL WIRE LINK
JA.2	ERJ8GEY0R00	METAL WIRE LINK
JA.22	ERJ8GEY0R00	METAL WIRE LINK
JA.24	ERJ6GEY0R00	WIRE LINK
JA.25	ERJ8GEY0R00	METAL WIRE LINK
JA.26	ERJ6GEY0R00	WIRE LINK
JA.27	ERJ6GEY0R00	WIRE LINK
JA.28	ERJ6GEY0R00	WIRE LINK
JA.29	ERJ6GEY0R00	WIRE LINK
JA.3	ERJ8GEY0R00	METAL WIRE LINK
JA.30	ERJ6GEY0R00	WIRE LINK
JA.34	ERJ6GEY0R00	WIRE LINK
JA.35	ERJ6GEY0R00	WIRE LINK
JA.36	ERJ6GEY0R00	WIRE LINK
JA.37	ERJ6GEY0R00	WIRE LINK
JA.38	ERJ6GEY0R00	WIRE LINK
JA.4	ERJ8GEY0R00	METAL WIRE LINK
JA.6	ERJ8GEY0R00	METAL WIRE LINK
JA.7	ERJ8GEY0R00	METAL WIRE LINK
JA1	ERJ6GEY0R00	WIRE LINK
JA10	ERJ6GEY0R00	WIRE LINK
JA11	ERJ6GEY0R00	WIRE LINK
JA12	ERJ6GEY0R00	WIRE LINK
JA13	ERJ6GEY0R00	WIRE LINK
JA14	ERJ6GEY0R00	WIRE LINK
JA15	ERJ6GEY0R00	WIRE LINK
JA16	ERJ6GEY0R00	WIRE LINK
JA17	ERJ6GEY0R00	WIRE LINK
JA18	ERJ6GEY0R00	WIRE LINK
JA19	ERJ6GEY0R00	WIRE LINK
JA2	ERJ6GEY0R00	WIRE LINK
JA20	ERJ6GEY0R00	WIRE LINK
JA21	ERJ6GEY0R00	WIRE LINK
JA22	ERJ6GEY0R00	WIRE LINK
JA23	ERJ6GEY0R00	WIRE LINK
JA24	ERJ6GEY0R00	WIRE LINK
JA25	ERJ6GEY0R00	WIRE LINK
JA26	ERJ6GEY0R00	WIRE LINK
JA27	ERJ6GEY0R00	WIRE LINK
JA28	ERJ6GEY0R00	WIRE LINK
JA29	ERJ6GEY0R00	WIRE LINK
JA3	ERJ6GEY0R00	WIRE LINK
JA30	ERJ6GEY0R00	WIRE LINK
JA31	ERJ6GEY0R00	WIRE LINK
JA32	ERJ6GEY0R00	WIRE LINK
JA33	ERJ6GEY0R00	WIRE LINK
JA4	ERJ6GEY0R00	WIRE LINK
JA5	ERJ6GEY0R00	WIRE LINK
JA6	ERJ6GEY0R00	WIRE LINK
JA7	ERJ6GEY0R00	WIRE LINK
JA8	ERJ6GEY0R00	WIRE LINK
JA9	ERJ6GEY0R00	WIRE LINK
JK2301	TJB18644	AV TERMINAL
JK3001	TJS8E007	21PIN TERMINAL
JK3101	TJS8E007	21PIN TERMINAL
JSB.5	ERJ6GEY0R00	WIRE LINK

Ref No.	Part No.	Description
JSE011	ERJ6GEY0R00	WIRE LINK
JSE012	ERJ6GEY0R00	WIRE LINK
JSE013	ERJ6GEY0R00	WIRE LINK
JSE014	ERJ6GEY0R00	WIRE LINK
JSE015	ERJ6GEY0R00	WIRE LINK
JSE016	ERJ6GEY0R00	WIRE LINK
JSE032	ERJ6GEY0R00	WIRE LINK

COILS

LC101	ELB5A077	COIL
L001	TLT100K991R	COIL
L002	TLT047K991R	COIL
L102	EIV7EN200B	COIL
L104	EIV7EN201B	COIL
L105	TLT100K991R	COIL
L106	TLT022K991R	COIL
L109	TLTR47K991R	COIL
L111	TLTR56K991R	COIL
L112	EXCELSA35T	COIL
L113	EXCELSA35T	COIL
L114	TLT100K991R	COIL
L202	TLT068K991R	COIL
L301	TLT047K991R	COIL
L302	EXCEMT101BT	COIL
L303	EXCEMT101BT	COIL
L304	EXCEMT101BT	COIL
L601	TLT047K991R	COIL
L602	EXCELD35V	COIL
L603	TLT047K991R	COIL
L604	EXCELD35V	COIL
L606	TLT015K991R	COIL
L607	EXCELSA35T	COIL
L701	ELC10D006	COIL
L801	298-19711	COIL
L802	TLT022K991R	COIL
L803	ELF18D490F	COIL
L804	TLT047K991R	COIL
L805	298-82858001	COIL
L851	EXCELD35V	COIL
L852	EXCELSA35T	COIL
L853	ELEIE470KA	COIL
L854	ELEIN470KA	COIL
L855	ELEIN470KA	COIL
L856	ELEIN470KA	COIL
L1051	TLT331K991R	COIL
L1201	TLT047K991R	COIL
L1202	TLT047K991R	COIL
L1203	TLT047K991R	COIL
L1204	EXCELD35V	COIL
L2101	TLT100K991R	COIL
L2102	TLT3R9K991R	COIL
L2103	EXCELSA35T	COIL
L2104	EXCELSA35T	COIL
L3151	EXCEMT101BT	COIL
L3152	EXCEMT101BT	COIL
L3153	EXCEMT101BT	COIL
L3154	EXCEMT101BT	COIL
L3155	ELEBT6R8KA	COIL
L3156	ELEBT6R8KA	COIL
L3158	EXCELSA39V	COIL
L3501	EXCELD35V	COIL
L3502	EXCELD35V	COIL
L3503	TLT047K991R	COIL
L3504	EXCELSA35T	COIL

TRANSISTORS

Q101	BF370-126	TRANSISTOR
Q102	BF370-126	TRANSISTOR
Q103	BC847B	TRANSISTOR
Q201	BC847B	TRANSISTOR

Ref No.	Part No.	Description
Q202	BC847B	TRANSISTOR
Q251	2SD1328STX	TRANSISTOR
Q252	2SD1328STX	TRANSISTOR
Q301	BC857B	TRANSISTOR
Q302	BC847B	TRANSISTOR
Q303	BC857B	TRANSISTOR
Q304	BC847B	TRANSISTOR
Q305	BC857B	TRANSISTOR
Q306	BC847B	TRANSISTOR
Q307	BC847B	TRANSISTOR
Q308	BC847B	TRANSISTOR
Q309	BC847B	TRANSISTOR
Q310	BC847B	TRANSISTOR
Q311	BC847B	TRANSISTOR
Q351	2SA1767	TRANSISTOR
Q352	2SA1767	TRANSISTOR
Q353	2SA1767	TRANSISTOR
Q451	BC847B	TRANSISTOR
Q501	BC847B	TRANSISTOR
Q502	BC847B	TRANSISTOR
Q503	2SD836-AL	TRANSISTOR
Q504	BC847B	TRANSISTOR
Q552	2SC1473-RN	TRANSISTOR
Q701	BC857B	TRANSISTOR
Q801	2SC1573	TRANSISTOR
Q802	S2000NLBMA	TRANSISTOR
Q851	2SD1273PLB	TRANSISTOR
Q852	TFD312SOF632	DIODE
Q1201	BC847B	TRANSISTOR
Q1202	BC847B	TRANSISTOR
Q1205	BC847B	TRANSISTOR
Q1206	BC847B	TRANSISTOR
Q1207	BC847B	TRANSISTOR
Q1208	BC857B	TRANSISTOR
Q2101	BC860B	TRANSISTOR
Q2102	BC860B	TRANSISTOR
Q2301	BC857B	TRANSISTOR
Q2302	BC857B	TRANSISTOR
Q2305	2SD1328STX	TRANSISTOR
Q2306	2SD1328STX	TRANSISTOR
Q2307	BC860B	TRANSISTOR
Q2308	BC857B	TRANSISTOR
Q2309	BC860B	TRANSISTOR
Q2310	BC860B	TRANSISTOR
Q3001	2SC1318-S	TRANSISTOR
Q3004	BC847B	TRANSISTOR
Q3005	BC847B	TRANSISTOR
Q3006	2SC1318-S	TRANSISTOR
Q3011	BC857B	TRANSISTOR
Q3012	2SD1328STX	TRANSISTOR
Q3013	2SD1328STX	TRANSISTOR

RESISTORS

R001	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R002	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R003	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R004	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R107	ERJ6GEY0R00	WIRE LINK			
R109	ERJ6GEY0R00	WIRE LINK			
R113	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω
R116	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R117	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R118	ERJ6ENF4701	S.M.CARB	0.125W	1%	4.7K Ω
R119	ERJ6ENF1202	S.M.CARB	0.125W	1%	12K Ω
R120	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R121	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R122	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R123	ERJ6GEY0R00	WIRE LINK			
R124	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω

Ref No.	Part No.	Description
R125	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R126	EVNDXAA03B53	CONTROL 5K Ω
R127	ERDS1TJ121	CARBON 0.5W 5% 120 Ω
R128	ERJ6GEYJ271	S.M.CARB 0.1W 5% 270 Ω
R129	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R130	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R131	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R132	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R133	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8 Ω
R134	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R136	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R137	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56K Ω
R138	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R139	ERJ6GEY0R00	WIRE LINK
R141	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R142	ERJ6GEY0R00	WIRE LINK
R143	ERJ6GEY0R00	WIRE LINK
R145	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2 Ω
R146	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R148	ERJ6GEY0R00	WIRE LINK
R149	ERJ6GEY0R00	WIRE LINK
R201	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R203	ERJ6GEY0R00	WIRE LINK
R204	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R205	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R206	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 Ω
R207	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R208	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R209	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R210	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R251	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R253	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R254	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R255	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R256	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R260	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R261	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R262	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R265	ERD25TJ2R2	CARBON 0.25W 5% 2R2 Ω
R266	ERD25TJ2R2	CARBON 0.25W 5% 2R2 Ω
R267	ERF7ZK4R7	WOUND 7W 10% 4R7 Ω Δ
R271	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R272	ERF7ZK5R6	WOUND 7W 10% 5R6 Ω Δ
R301	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 Ω
R302	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390 Ω
R303	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R304	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R305	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 Ω
R306	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390 Ω
R307	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R308	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R309	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 Ω
R310	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390 Ω
R311	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R312	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R313	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R314	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R315	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R316	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R321	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R322	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R323	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R324	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K Ω
R351	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8 Ω
R352	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8 Ω
R353	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8 Ω
R354	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R355	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R356	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R357	ERG1SJ563	FILM 1W 5% 56K Ω
R358	ERG1SJ563	FILM 1W 5% 56K Ω

Ref No.	Part No.	Description			
R359	ERG1SJ563	FILM 1W	5%	56KΩ	
R363	ERDS1TJ103	FILM 0.5W	5%	10KΩ	
R364	ERDS1TJ103	FILM 0.5W	5%	10KΩ	
R365	ERDS1TJ103	FILM 0.5W	5%	10KΩ	
R366	ERDS1TJ152	CARBON 0.5W	5%	1K5Ω	
R367	ERDS1TJ152	CARBON 0.5W	5%	1K5Ω	
R368	ERDS1TJ152	CARBON 0.5W	5%	1K5Ω	
R369	ERD25TJ223	CARBON 0.25W	5%	22KΩ	
R370	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R372	ERQ12AJ121	METAL 0.5W	5%	120Ω	△
R373	ERJ6GEYJ220	S.M.CARB 0.1W	5%	22Ω	
R374	ERDS1TJ274	CARBON 0.5W	5%	270KΩ	
R375	ERJ6GEYJ684	S.M.CARB 0.1W	5%	680KΩ	
R376	ERJ6GEYJ183	S.M.CARB 0.1W	5%	18KΩ	
R378	ERJ6GEY0R00	WIRE LINK			
R379	ERJ6GEY0R00	WIRE LINK			
R380	ERJ6GEY0R00	WIRE LINK			
R451	ERJ6GEYJ223	S.M.CARB 0.1W	5%	22KΩ	
R452	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R453	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R455	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R456	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R457	ERJ6GEYJ682	S.M.CARB 0.1W	5%	6K8Ω	
R458	ERD25TJ1R5	CARBON 0.25W	5%	1R5Ω	
R459	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R460	ERJ6GEYJ183	S.M.CARB 0.1W	5%	18KΩ	
R461	ERDS1TJ471	CARBON 0.5W	5%	470Ω	
R462	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R463	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R465	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R466	ERO25CKF1801	METAL 0.25W	1%	1K8Ω	△
R471	ERDS1TJ152	CARBON 0.5W	5%	1K5Ω	
R472	ERDS1TJ4R7	CARBON 0.5W	5%	4R7Ω	
R501	ERJ6GEYJ331	S.M.CARB 0.1W	5%	330Ω	
R502	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R503	ERJ6GEYJ273	S.M.CARB 0.1W	5%	27KΩ	
R504	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R506	ERD25TJ560	CARBON 0.25W	5%	56Ω	
R507	ERQ14AJ3R3	METAL 0.25W	5%	3R3Ω	△
R509	ERDS1TJ152	CARBON 0.5W	5%	1K5Ω	
R510	ERDS1TJ152	CARBON 0.5W	5%	1K5Ω	
R511	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R512	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R513	ERJ6GEYJ123	S.M.CARB 0.1W	5%	12KΩ	
R514	ERJ6GEYJ123	S.M.CARB 0.1W	5%	12KΩ	
R551	ERW2PKR47	WIREWOUND2W	10%	0R47Ω	△
R553	ERG1SJ152	METAL 1W	5%	1.5KΩ	
R558	ERDS1TJ124	CARBON 0.5W	5%	120KΩ	
R561	ERJ6GEYJ563	S.M.CARB 0.1W	5%	56KΩ	
R567	ERJ6GEYJ274	S.M.CARB 0.1W	5%	270KΩ	
R601	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R602	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R603	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R605	ERJ6GEYJ183	S.M.CARB 0.1W	5%	18KΩ	
R606	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R607	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R608	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R609	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R610	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R611	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R612	ERJ6GEYJ123	S.M.CARB 0.1W	5%	12KΩ	
R613	ERJ6GEYJ271	S.M.CARB 0.1W	5%	270Ω	
R614	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R615	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R616	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R618	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R619	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R623	ERJ6GEYJ821	S.M.CARB 0.1W	5%	820Ω	
R702	ERQ12HJ330	METAL 0.5W	5%	33Ω	△
R703	ERG2FJ821	METAL 2W	5%	820Ω	△

Ref No.	Part No.	Description			
R704	ERJ6GEYJ563	S.M.CARB 0.1W	5%	56KΩ	
R705	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R707	ERJ6GEYJ122	S.M.CARB 0.1W	5%	1K2Ω	
R708	ERJ6GEYJ393	S.M.CARB 0.1W	5%	39KΩ	
R709	ERJ6GEYJ393	S.M.CARB 0.1W	5%	39KΩ	
R711	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R712	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R713	ERG1SJ101	METAL 1W	5%	100Ω	
R801	ERG3FJ682H	METAL 3W	5%	6K8Ω	△
R802	ERG2FJ472	METAL 2W	5%	4.7KΩ	△
R803	ERX12SJWR47	METAL 0.5W	5%	0.47Ω	
R804	ERJ6GEYJ682	S.M.CARB 0.1W	5%	6K8Ω	
R805	ERJ6GEYJ221	S.M.CARB 0.1W	5%	220Ω	
R806	ERG1SJ823	METAL 1W	5%	82KΩ	
R807	ERO25CKF1201	METAL 0.25W	1%	1K2Ω	△
R810	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R811	EVMEASA00B33	CONTROL			
R812	ERDS1TJ220	CARBON 0.5W	5%	22Ω	
R813	ERD50FJ334	FILM 0.5W	1%	330KΩ	△
R814	ERF7ZK2R7	WIRE 7W	10%	2.7Ω	△
R817	ERG3FJ470	METAL 3W	5%	47Ω	△
R818	ERD50FJ564	CARBON 0.5W	1%	560KΩ	△
R819	ERD50FJ564	CARBON 0.5W	1%	560KΩ	△
R820	ERD75TAJ825	CARBON 0.75W	5%	8M2Ω	△
R852	ERJ6GEYJ271	S.M.CARB 0.1W	5%	270Ω	
R853	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R854	ERDS1TJ474	CARBON 0.5W	5%	470KΩ	
R855	ERG2FJ223	METAL 2W	5%	22KΩ	△
R856	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R1201	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R1202	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1203	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1204	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1205	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1206	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1207	ERD25TJ331	CARBON 0.25W	5%	330Ω	
R1209	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1210	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1212	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1213	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1214	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1215	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1216	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1217	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1218	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1219	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1220	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1221	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1222	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1224	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1225	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1226	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1227	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1229	ERJ6GEY0R00	WIRE LINK			
R1230	ERJ6GEY0R00	WIRE LINK			
R1231	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1232	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1233	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1235	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1236	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1237	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1238	ERJ6GEYJ393	S.M.CARB 0.1W	5%	39KΩ	
R1239	ERJ6GEYJ392	S.M.CARB 0.1W	5%	3K9Ω	
R1240	ERJ6GEYJ392	S.M.CARB 0.1W	5%	3K9Ω	
R1241	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1242	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1244	ERJ6GEY0R00	WIRE LINK			
R1245	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R1249	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	

Ref No.	Part No.	Description			
R1250	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1251	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ
R1252	ERX1SJ3R3	METAL	1W	5%	3R3Ω
R1253	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1254	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1255	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1256	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1257	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1258	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R2101	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2102	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2103	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2104	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2105	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2106	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R2107	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2108	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2109	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2110	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R2111	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R2301	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2302	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2303	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2304	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2313	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2314	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2315	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R2316	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R2318	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R2321	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R2322	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2323	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R2324	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2325	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ
R2326	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2327	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2328	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R2329	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2330	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2331	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R2332	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2333	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2334	ERJ6GEY0R00	WIRE LINK			
R2335	ERJ6GEY0R00	WIRE LINK			
R2651	ERG2FJ221	METAL	2W	5%	220Ω Δ
R2652	ERG2FJ221	METAL	2W	5%	220Ω Δ
R2653	ERDS1TJ151	CARBON	0.5W	5%	150Ω
R2654	ERDS1TJ151	CARBON	0.5W	5%	150Ω
R3001	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3002	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3003	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3004	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3005	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3006	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3007	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3008	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3009	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3010	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3011	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3012	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3013	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3015	ERJ6GEY0R00	WIRE LINK			
R3016	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3017	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3019	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3020	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3022	ERD2FCG560	CARBON	2W	2%	56Ω
R3024	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3025	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3026	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3027	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω

Ref No.	Part No.	Description			
R3029	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω
R3030	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3032	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω
R3034	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3036	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22Ω
R3037	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3038	ERD2FCG100	CARB	2W	2%	10Ω
R3039	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3040	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3041	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3042	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R3043	ERD2FCG100	CARB	2W	2%	10Ω
R3044	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3045	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3046	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3047	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω
R3048	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3049	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3050	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3051	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3052	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3053	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3054	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3055	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3056	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3057	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3058	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3059	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3060	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3062	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3063	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3064	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3065	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3066	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3067	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ
R3068	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3069	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3070	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3071	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3150	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3151	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3152	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3153	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3154	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3155	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3156	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3157	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3158	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3502	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3504	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3505	ERJ6GEY0R00	WIRE LINK			
R3508	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R3511	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ

SWITCHES

S801	ESB91232A	SWITCH	Δ
S1201	EVQ23405R	SWITCH	
S1202	EVQ23405R	SWITCH	
S1203	EVQ23405R	SWITCH	
S1204	EVQ23405R	SWITCH	
S1205	EVQ23405R	SWITCH	

TRANSFORMERS

T501	5270103200	TRANSFORMER	
T1201	ETP35KAN61ZU	TRANSFORMER	

FILTERS		
X101	EFCS6R0MW5	FILTER
X103	J3352K	SAW FILTER

X105	EFCV4155A3	CERAMIC FILTER
X601	TSS2169-B	CRYSTAL
X1201	TSS120M2	CRYSTAL
X2101	TSS4004-B	CRYSTAL

Ref No.	Part No.	Description
PARTS FOR 25MD1 ONLY		
MISCELLANEOUS COMPONENTS		
2)	TKY8E040	CABINET △
3)	A59ECY13X38	C.R.T. △
4)	THE492-4	CRT FIXING SCREW
5)	TNP117069AB	Y P.C.B. △
7)	TKU8E00190	REAR COVER △
9)	TNP197091AF	E P.C.B. △
16)	TLK8E05115	DEGAUSSING COIL
	TPC8E4480	OUTER CARTON
	TQB8E2029-2	INST BOOK △
H1202	832AG11D-ESL	I.C. SOCKET △
CAPACITORS		
C254	ECQM1H334J	FILM 50V 330nF
C259	ECQM1H334J	FILM 50V 330nF
C262	ECEA1HN2R2	ELECT 50V 2.2μF
C265	ECEA1HN2R2	ELECT 50V 2.2μF
C269	ECEA1CM100GB	ELECT 16V 10μF
C358	ECQM1H224J	FILM 50V 220nF
C455	ECEA1VGE222	ELECT 35V 2200μF
C457	ECUV1H223K BX	S.M. CAP 50V 22nF
C459	ECQM1H224J	FILM 50V 220nF
C461	ECQM1H684J	FILM 50V 680nF
C501	ECEA1AM330GB	ELECT 10V 33μF
C551	ECWH15H432J	FILM 1500V 4300μF
C552	ECWH15H102J	FILM 1500V 1000μF
C554	ECWF2H474J	FILM 500V 470nF △
C556	ECQM4333JC	FILM 400V 33nF
C559	ECWF2H684J	FILM 500V 680nF △
C560	ECEA2GGE2R2	ELECT 500V 2.2μF
C604	ECEA0JM102GB	ELECT 6.3V 1000μF
C606	ECUV1H100DCX	S.M. CAP 50V 10pF
C607	ECUV1H100DCX	S.M. CAP 50V 10pF
C627	ECUV1H100DCX	S.M. CAP 50V 10pF
C701	ECEA1HGE101	ELECT 50V 100μF
C703	ECEA1HGE100	ELECT 50V 10μF
C705	ECQB1H102J	FILM 50V 1nF
C815	EKC2H472J	CERAMIC 500V 4.7nF △
C820	ECOS2GG181NG	ELECT 400V 180μF △
C857	ECEA2EM101	ELECT 250V 100μF
C861	ECOS2EA221AB	ELECT 400V 220μF
C1224	ECEA0JM222GB	ELECT 6.3V 2200μF
C1225	ECEA0JM472GE	ELECT 6.3V 4700μF
DIODES		
D252	MA165TA5	DIODE
D502	EU02	DIODE
D3501	MA165TA5	DIODE
INTEGRATED CIRCUITS		
IC1203	X24C16P-P1	EAROM

Ref No.	Part No.	Description
SOCKETS/TERMINALS/LINK WIRES		
JA.10	ERJ6GEY0R00	WIRE LINK
JA.13	ERJ6GEY0R00	WIRE LINK
JA.18	ERJ6GEY0R00	WIRE LINK
JA.19	ERJ6GEY0R00	WIRE LINK
JA.20	ERJ6GEY0R00	WIRE LINK
JA.21	ERJ6GEY0R00	WIRE LINK
JA.5	ERJ6GEY0R00	WIRE LINK
JA.8	ERJ6GEY0R00	WIRE LINK
JA.9	ERJ6GEY0R00	WIRE LINK
JSE.31	ERJ6GEY0R00	WIRE LINK
COILS		
L552	ELH5L421	COIL
L553	ELC08D055	COIL
L554	297-23293	COIL
J196	EXCELSA35T	COIL
TRANSISTORS		
Q253	BC847B	TRANSISTOR
Q551	2SD1577LB	TRANSISTOR
RESISTORS		
R.604	ERJ6GEY0R00	WIRE LINK
R.622	ERJ6GEY0R00	WIRE LINK
R252	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R257	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R258	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R259	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R263	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R264	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R268	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R269	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R273	ERD25TJ273	CARBON 0.25W 5% 27KΩ
R377	ERQ1CKPR33	METAL 0.5W 10% 0R33Ω △
R464	ERW12PKR68	WIRE 0.5W 10% 0.68Ω △
R467	ERO25CKF1801	METAL 0.25W 1% 1K8Ω △
R554	ERQ14AJW101	METAL 0.25W 5% 100Ω △
R562	ERJ6GEYJ155	S.M.CARB 0.1W 5% 1.5MΩ
R563	ERJ6GEYJ155	S.M.CARB 0.1W 5% 1.5MΩ
R564	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R566	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R701	ERQ12AJ101	FUSABLE 0.5W 5% 100Ω △
R706	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R710	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R808	232266296706	THERMISTOR
R809	ERO25CKF1332	METAL 0.25W 1% 13K3Ω △
R1208	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R1246	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1247	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1260	ERDS1FJ121	CARBON 0.5W 1% 120Ω △
R3512	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
TRANSFORMERS		
T551	ZTFH65008A	TRANSFORMER
T801	TLP8E1002	TRANSFORMER

Ref No.	Part No.	Description	
PARTS FOR 21MD1 ONLY			
MISCELLANEOUS COMPONENTS			
2)	TKY8E039	CABINET	△
3)	A51EAL55X01	C.R.T.	△
4)	THT1009R	CRT FIXING SCREW	.
5)	TNP117069AA	Y P.C.B.	△
7)	TKU8E00180	REAR COVER	△
9)	TNP197091AB	E P.C.B.	△
16)	TLK8E05117	DEGUASS COIL	
	TMX8E010	LED PANEL	
	TPC8E4478	OUTER CARTON	
	TQB8E2029	INST BOOK	△
CAPACITORS			
C254	ECQM1H224J	FILM	50V 220nF
C259	ECQM1H224J	FILM	50V 220nF
C262	ECEA1HN010	ELECT	50V 1μF
C265	ECEA1HN010	ELECT	50V 1μF
C358	ECQB1H224J	FILM	50V 0.22μF
C455	ECEA1VM222GE	ELECT	35V 2200μF
C457	ECUV1H103KBX	S.M. CAP	50V 10nF
C459	ECQM1H154J	FILM	50V 150nF
C463	ECQB1H222J	FILM	50V 2200pF
C501	ECEA1CM100GB	ELECT	16V 10μF
C551	ECWH12H272J	CERAMIC	500V 2.7nF
C552	ECWH12H102J	CERAMIC	500V 1nF
C556	ECQF4273JZH	FILM	400V 0.027μF
C559	ECWF2H474J	FILM	500V 470nF
C604	ECEA1CM100GB	ELECT	16V 10μF
C701	ECEA1HM101GB	ELECT	50V 100μF
C703	ECEA1HM100GB	ELECT	50V 100μF
C705	ECQB1H152K	FILM	50V 1.5nF
C820	ECES2GG101	ELECT	400V 100μF
C857	ECEA2CM101E	ELECT	160V 100μF
C861	ECEA2CGE221	ELECT	160V 220μF
C1224	ECEA0JM102GB	ELECT	6.3V 1000μF
C1225	ECEA1CM471GB	ELECT	16V 470μF
DIODES			
D502	EN02V0	DIODE	
INTEGRATED CIRCUITS			
IC1203	X24C16P-F1	EAROM	

Ref No.	Part No.	Description	
SOCKETS/TERMINALS/LINK WIRES			
JSE031	ERJ6GEY0R00	WIRE LINK	
COILS			
L501	EXCELDR35V	COIL	
L552	ELH5L429	COIL	
L702	TLT082K991R	COIL	
TRANSISTORS			
Q551	BU2506DXLB	TRANSISTOR	
RESISTORS			
R252	ERJ6GEYJ152	S.M.CARB	0.1W 5% 1K5Ω
R257	ERJ6GEYJ2R2	S.M.CARB	0.1W 5% 2R2Ω
R258	ERJ6GEYJ152	S.M.CARB	0.1W 5% 1K5Ω
R259	ERJ6GEYJ2R2	S.M.CARB	0.1W 5% 2.2Ω
R377	ERQ12HJ1R2	METAL	0.5W 5% 1R2Ω
R464	ERW12PK1R5	WIRE	0.5W 10% 1R5Ω
R467	ERO25CKF1201	METAL	0.25W 1% 1K2Ω
R562	ERJ6GEYJ225	S.M.CARB	0.1W 1% 2M2Ω
R563	ERJ6GEYJ225	S.M.CARB	0.1W 1% 2M2Ω
R564	ERJ6GEYJ623	S.M.CARB	0.1W 1% 62KΩ
R566	ERJ6GEYJ473	S.M.CARB	0.1W 5% 47KΩ
R604	ERJ6GEY0R00	WIRE LINK	
R622	ERJ6GEY0R00	WIRE LINK	
R701	ERQ14AJW101	FUSE	0.25W 5% 100Ω
R706	ERJ6GEYJ272	S.M.CARB	0.1W 5% 2K7Ω
R710	ERJ6GEYJ273	S.M.CARB	0.1W 5% 27KΩ
R808	232266296319	THERMISTOR	
R809	ERO25CKF1302	METAL	0.25W 1% 13KΩ
R1208	ERJ6GEYJ472	S.M.CARB	0.1W 5% 4K7Ω
R1246	ERJ6GEYJ473	S.M.CARB	0.1W 5% 47KΩ
R1247	ERJ6GEYJ473	S.M.CARB	0.1W 5% 47KΩ
R1260	ERDS1TJ121	CARBON	0.5W 5% 120Ω
TRANSFORMERS			
T551	ZTFH44007A	F.B.T.	
T801	TLP8E1001	TRANSFORMER	

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