

# Service Manual

Цветной Телевизор

**TC-25V20R**

Шасси МХ-2



**SPECIFICATIONS\ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ**  
**LOCATION OF CONTROLS\РАСПОЛОЖЕНИЕ РЕГУЛЯТОРОВ**  
**MX-2 CHASSIS BLOCK DIAGRAM\БЛОК-СХЕМА ШАССИ МХ-2**  
**SERVICE MODE\СЕРВИСНЫЙ РЕЖИМ**  
**ADJUSTMENT PROCEDURE\ПРОЦЕДУРЫ РЕГУЛИРОВКИ**  
**BLOCK DIAGRAM FOR INTEGRATED CIRCUIT\БЛОК-СХЕМЫ**  
**ИНТЕГРАЛЬНЫХ МИКРОСХЕМ**  
**TEST POINT WAVEFORMS\ФОРМА СИГНАЛОВ В**  
**КОНТРОЛЬНЫХ ТОЧКАХ**  
**SCHEMATIC DIAGRAMS\ПРИНЦИПИАЛЬНЫЕ СХЕМЫ**  
**PARTS LOCATION\РАСПОЛОЖЕНИЕ ДЕТАЛЕЙ**  
**REPLACEMENT PARTS LIST\СПИСОК ЗАПАСНЫХ ЧАСТЕЙ**

**Panasonic**

## Specifications

Power Source : (AC) Auto110–240V. 50/60Hz  
Power consumption : : 146 W  
6 W (Stand-by condition)

Aerial Impedance : : 75  $\Omega$  unbalanced .  
Coaxial type

Receiving System : Multi 17 systems

Receiving Channel :  
VHF 2 – 12 PAL/SECAM B. G  
1 – 12 PAL/SECAM D  
1 – 11 PAL B ( New zealand)  
1 – 12 NTSC M Japan  
2 – 13 NTSC M U.S.A  
UHF 21 – 69 PAL B. G I/SECAM B. G. K1  
28 – 69 PAL G (Australia)  
13 – 56 PAL D  
13 – 62 NTSC M Japan  
14 – 69 NTSC M U.S.A  
CATV S1 – S20

Intermediate Frequency : :

Video 38.00 MHz  
Sound 31.50 MHz ( D. K. K1 )  
32.00 MHz ( I )  
32.50 MHz ( B. G )  
33.50 MHz ( M )  
Colour 33.57 MHz ( PAL )  
33.60 MHz ( SECAM )  
33.75 MHz ( SECAM )  
34.42 MHz ( NTSC )

Video / Audio Terminals :

AV In : Video In 1 Vp–p. 75 $\Omega$   
Audio In Approx. 400mV

Monitor Out: Video In 1Vp-p. 75 $\Omega$   
Audio In Approx. 400mV

High Voltage : 31.0kV(+1.0, –1.5)  
at zero beam current

Picture tube : A59KWV61X 62cm(25") measured  
diagonally, 100° deflection.

Audio output : 5W X 5W (Max)  
Speaker : 12 X 8cm, (8 $\Omega$ )X 2

Dimensions : Height : 506.0 mm  
Width : 606.0 mm  
Depth : 488.0 mm

Mass : 29.50 kg (Net)

Remote Controller : 35 Functions Infrared controller

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

## Технические характеристики

Источник питания: (Перемен. ток) Авто., 110–240 В.  
50/60 Гц.

Расход мощности: 146 Вт.,  
6Вт. (в режиме снаготове)

Полное сопротивление антенны: 75 Ом, несбалансированное.  
Коаксиального типа.

Приёмная система: 17 многосистемный.

Принимаемые каналы:  
Полоса ВВЧ 2–12 ПАЛ/СЕКАМ В, G  
1–12ПАЛ/СЕКАМ D  
1–11ПАЛ В(Новая  
Зиландия)  
1–12НТСЦ М ЯПОНИЯ  
2–13НТСЦ М США  
Полоса СВЧ 21–69ПАЛ В, G, I/СЕКАМ В, G, K1  
28–69ПАЛ G (Австралия)  
13–57ПАЛ D  
13–62НТСЦ М ЯПОНИЯ  
11–69НТСЦ М США  
S1-S20

Кабельное ТВ

Промежуточная частота:

Видео 38,0 МГц.  
Звук 31,5 МГц. (D, K, K1)  
32,0 МГц. (I)  
32,5 МГц. (B, G)  
33,5 МГц. (M)  
Цвет 33,57 МГц. (ПАЛ)  
33,6 МГц. (СЕКАМ)  
33,75 МГц. (СЕКАМ)  
34,42 МГц. (НТСЦ)

Разъёмы соединения Аудио/Видео:

Ау./ Ви. входы: Видео вход 1 В размерах, 75 ом.  
Звуковой вход Приб. 400мВ.

ТВ выход: Видео вход 1 В размерах, 75 ом.  
Звуковой вход Приб. 400мВ.

Высокое напряжение: 31.0 кВ. (+1.0, –1.5)  
при нулевом токе

Кинескоп: А59KWV61X 62см. (25") по  
диагонали, 100° отклонение.

Выходная звуковая мощность: 5W X 5WВт. (Макс.)  
Громкоговоритель: 12 X 8 см, (8 $\Omega$ ) X 2

Размеры: Высота: 506.0 мм  
Ширина: 606.0 мм  
Глубина: 408.0 мм

Вес: 29.50 кг. (Нетто)

Передачик дистанционного  
управления: Инфракрасный с 35  
клавишами.

Спецификации могут быть изменены без предварительного  
извещения. Вес и размеры приведены приблизительно.

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## Shut Down Circuit Test

This test must be made as a final check before the set is returned to the customer.

1. Operates the TV set.
2. Set Controls:
  - Screen (on FBT) .....minimum
  - Contrast .....minimum
  - Colour .....minimum
3. Connect a DC voltmeter to cathode of D523, and confirm that the voltage reading is 23.0V. or less.
4. Supply 23.1 V DC to cathode of D523 and confirm that the shut down circuit does not operate.
5. Supply 25.0 V DC to cathode of D523 and confirm that the shut down circuit operates.
6. Switch the set off and disconnect the DC supply. Switch the set on and Normalize the contrast and colour.

## Проверка отключающей схемы

Это испытание необходимо провести как окончательную проверку перед возвращением телевизора покупателю.

1. Включить установку ТВ.
2. Установить регуляторы:
  - Экран ( на FBT) .....мин.
  - Контраст .....мин.
  - Цвет .....мин.
3. Подсоединить вольтметр пост. тока к катоду D523 и убедиться, что показание напряжения 23.0 В или меньше.
4. Подать 23.1 В. постоянного тока к катоду D523 и убедиться, что отключающая цепь не срабатывает.
5. Подать 25.0 В. постоянного тока к катоду D523 и убедиться, что отключающая цепь не срабатывает.
6. Выключите аппарат и отсоедините питание пост. тока. Включите аппарат и Нормализуйте контраст и цвет.

## Location of Controls

## Расположение регуляторов

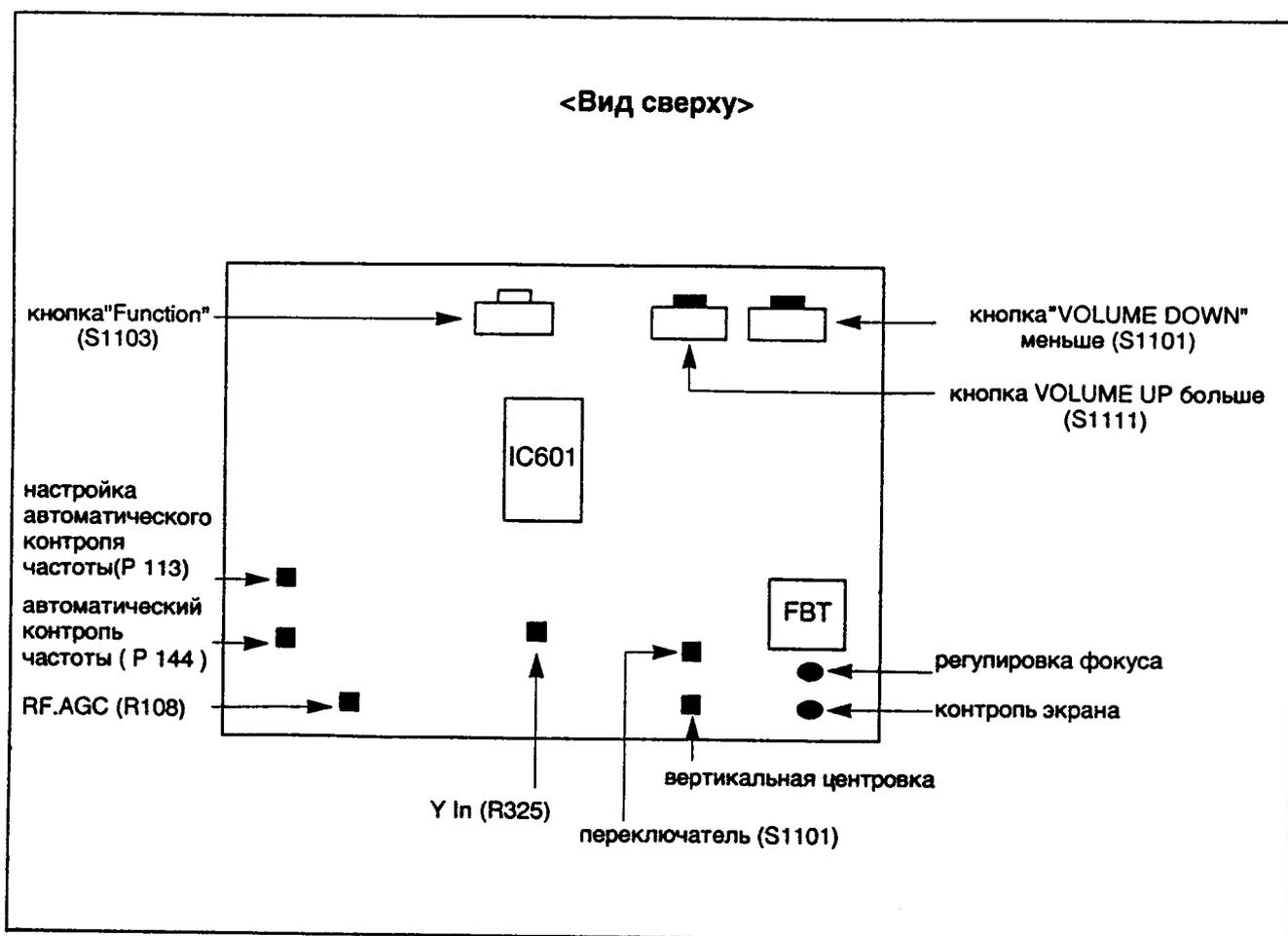


Fig. 2

## MX-2 Chassis Block Diagram

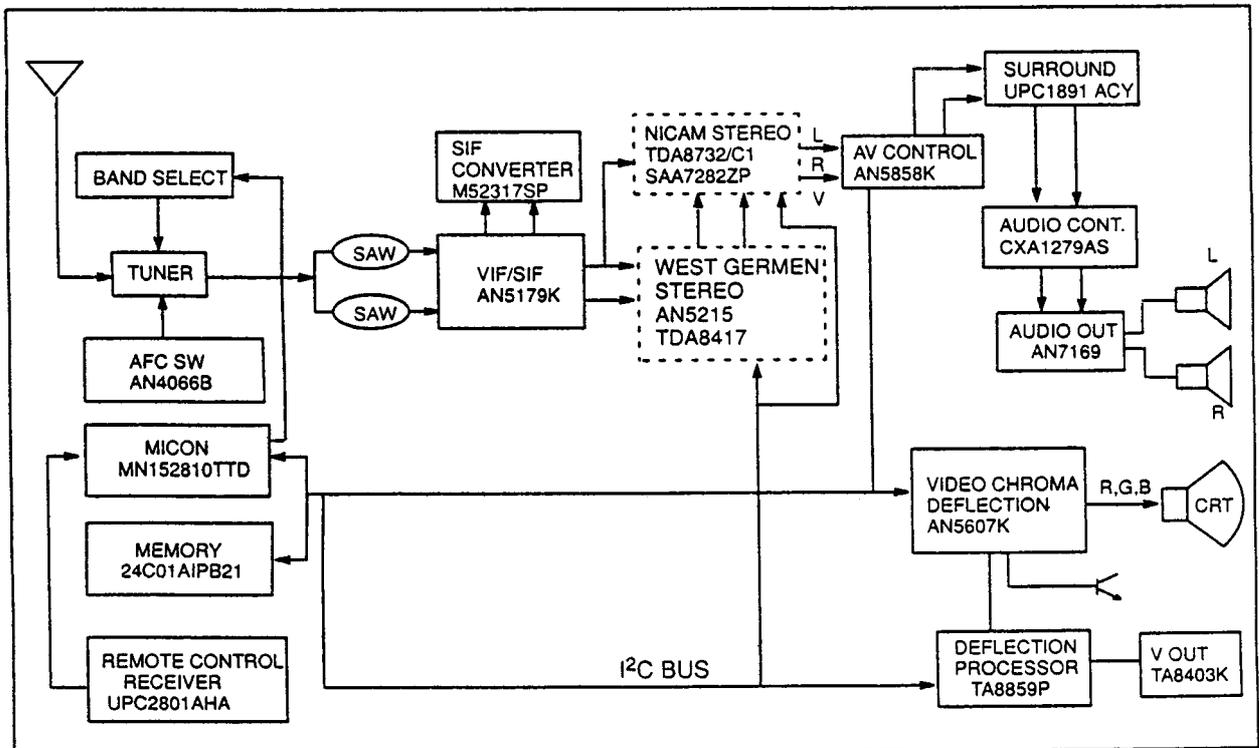


Fig. 3

## The I<sup>2</sup>C Bus Concept :

### A. Features

1. The I<sup>2</sup>C bus is a 2 – wire serial bus consisting of a clock line (SCL) and a data line (SDA).
  2. It allows bi – directional data transfer, between IC's.
  3. It consists of a master and one or more slave IC's.
- The master initiates transfer and generates clock signals.
  - The slave is the IC addressed by a master.

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## 2. How to set the Factory Mode for adjustment.

Follow the Steps shown in the block diagram below to set the Factory Mode for sub-colour; sub-bright; sub-contrast; RGB low-light and RGB high-light adjustments and return to Normal mode after adjustment. When the IC601(VCJ) or IC1104 are replaced, these adjustment must be done as below.

The Sub Adjustment mode.

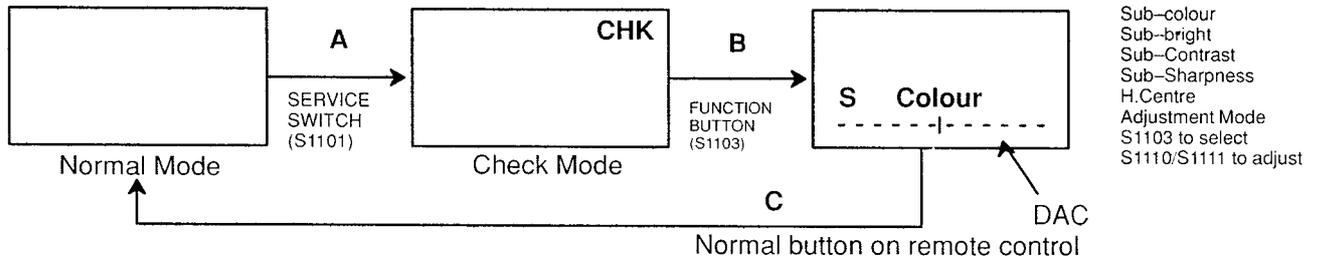


Fig. 9

A: Press the Service Switch (S1101).

The TV in the Normal mode changes to check mode. "CHK" will appear on the screen as shown in Fig. 9.

B: Press the Function button (S1103) to select the required adjustment to be adjusted as shown in Fig. 9.

Press the Volume "up" or "down" button (S1110 & S1111) to change the DAC level.

C: Press the Normal button on the remote control transmitter twice to return to Normal mode.

The CRT Adjustment mode.

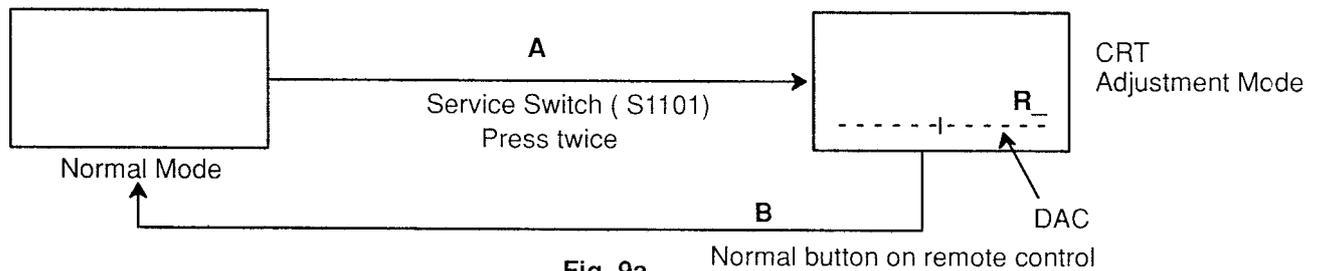


Fig. 9a.

A: Press the Service Switch (S1101) twice. The TV in the Normal mode changes to the CRT Adjustment mode.

Press the Function button (S1103) to select the required adjustment to be adjusted as shown in Fig. 9a.

Press the Volume "up" or "down" button (S1110 & S1111) to change the DAC level.

B: Press the Normal button on the remote control transmitter twice to return to Normal mode.

The White Balance Adjustment mode.

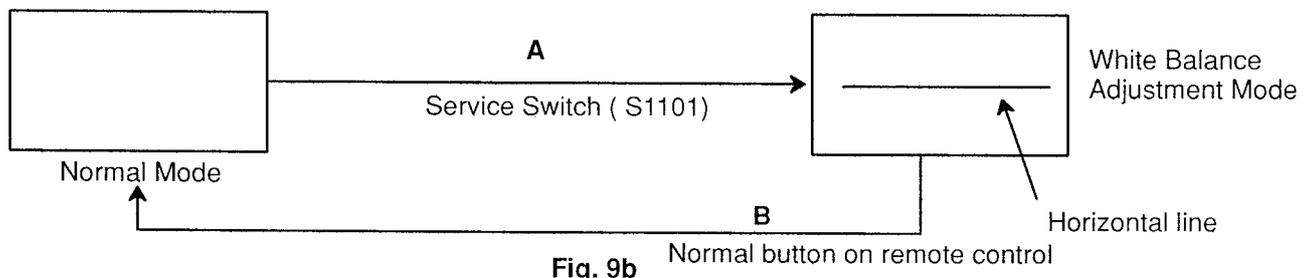


Fig. 9b

A: Press the Service Switch (S1101) twice. The TV in the Normal mode changes to the CRT Adjustment mode.

Then press the Service Switch once more to enter White Balance Adjustment mode.

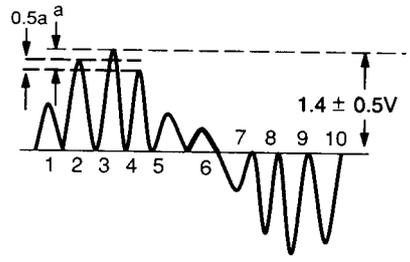
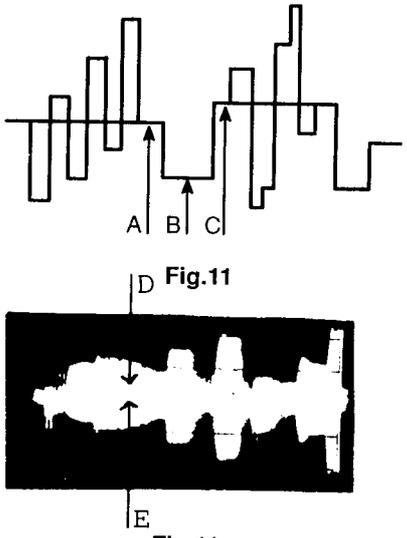
Press the Volume "up" or "down" button (S1110 & S1111) to change the DAC level.

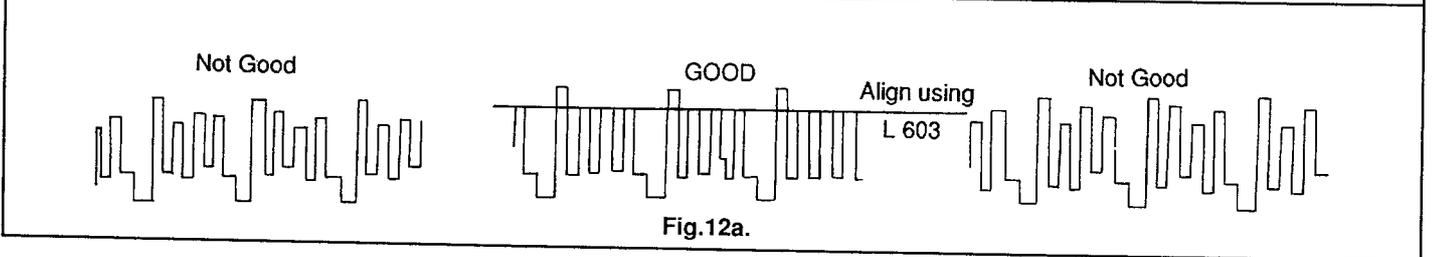
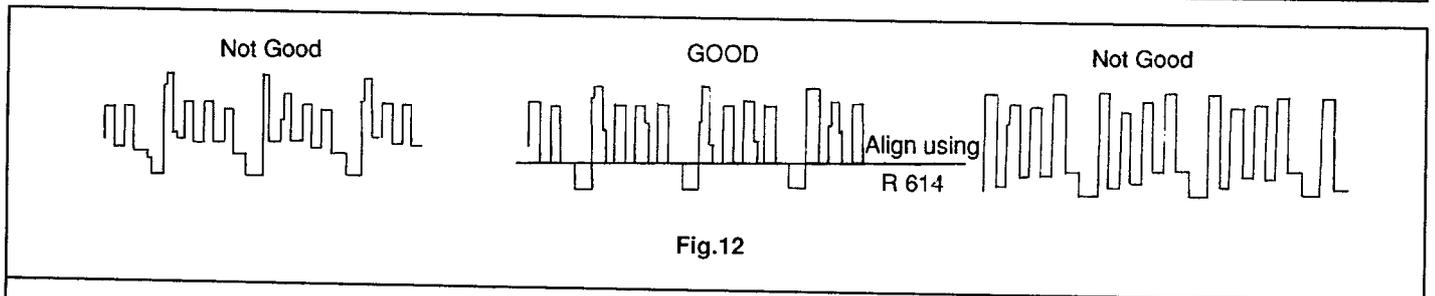
B: Press the Normal button on the remote control transmitter twice to return to Normal mode.

# Adjustment Procedure

Item / Preparation	Adjustment Procedure						
<p><b><u>B Voltage</u></b></p> <ol style="list-style-type: none"> <li>1. Operate the TV set.</li> <li>2. Set control as follow:            Brightness ..... minimum            Contrast ..... minimum</li> </ol>	<p>Confirm the DC voltages at the indicated test points, as follow:</p> <table border="0"> <tr> <td>D807(C) : <math>142.0 \pm 2.0</math> V</td> <td>TP8 : <math>12.0 \pm 1.0</math> V</td> </tr> <tr> <td>TPE4 : <math>26.0 \pm 1.5</math> V</td> <td>Pin-1 of E33 : <math>200.0 \pm 15.0</math> V</td> </tr> <tr> <td>TP6 : <math>5.0 \pm 0.5</math> V</td> <td>TP 9 : <math>9.0 \pm 1.0</math> V</td> </tr> </table>	D807(C) : $142.0 \pm 2.0$ V	TP8 : $12.0 \pm 1.0$ V	TPE4 : $26.0 \pm 1.5$ V	Pin-1 of E33 : $200.0 \pm 15.0$ V	TP6 : $5.0 \pm 0.5$ V	TP 9 : $9.0 \pm 1.0$ V
D807(C) : $142.0 \pm 2.0$ V	TP8 : $12.0 \pm 1.0$ V						
TPE4 : $26.0 \pm 1.5$ V	Pin-1 of E33 : $200.0 \pm 15.0$ V						
TP6 : $5.0 \pm 0.5$ V	TP 9 : $9.0 \pm 1.0$ V						
<p><b><u>Tuning AFC and AFC offset</u></b></p> <ol style="list-style-type: none"> <li>1. Operate the TV set and disconnect on aerial.</li> <li>2. Connect a jumper lead between TPB19 and TP 8 to mute the normal tuning AFC. Connect a DC voltmeter to TPB 19 and earth.</li> <li>3. Connect a DC voltmeter to TPB 11.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust tuning AFC Control ( R144 ) for <math>2.75 (+ 0.1, -0.05)</math> V.</li> <li>2. Connect the DC voltmeter to TPB 11.</li> <li>3. Adjust AFC offset control (R113) for <math>5.5V \pm 0.2</math> at TPB 11.</li> </ol>						
<p><b><u>RF AGC</u></b></p> <p><b><u>A. Workshop</u></b></p> <ol style="list-style-type: none"> <li>1. Receive a colour bar signal at an RF level of <math>61 \pm 2</math>dB<math>\mu</math> with <math>75\Omega</math> loaded.</li> <li>2. Connect an oscilloscope to TPB12, set to DC mode.</li> </ol> <p><b><u>B. Field</u></b></p> <ol style="list-style-type: none"> <li>1. Receive the television broadcast channel known to have the weakest RF signal strength.</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn RF AGC control ( R108 ) fully clockwise.</li> <li>2. Slowly turn RF Control counterclockwise to set it at the point just before voltage at TPE 12 begins to drops.</li> </ol> <ol style="list-style-type: none"> <li>1. Turn RF AGC control ( R108 ) such as to produce a snowy picture.</li> <li>2. Slowly turn back R108 off until the snow ( picture noise ) – disappears.</li> <li>3. Check the remaining broadcast channels for either snow or AGC overload and readjust R143 if necessary.</li> </ol>						
<p><b><u>High Voltage</u></b></p> <ol style="list-style-type: none"> <li>1. Operate the TV set.</li> <li>2. Set controls as follow:            Brightness ..... minimum            Contrast ..... minimum</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect a DC voltage meter to Pin 1 of IC803 and confirm the voltage is <math>142.0 \pm 2.0</math> V.</li> <li>2. Connect a high voltage meter to anode of the picture tube.</li> <li>3. Confirm that the high voltage is within the range of <math>31.0 (+1.0, -1.5)</math> kV.</li> <li>4. Normalise the brightness and contrast.</li> </ol>						
<p><b><u>Delay Line</u></b></p> <ol style="list-style-type: none"> <li>1. Receive a PAL colour bar signal.</li> <li>2. Connect an oscilloscope to TP 18.</li> <li>3. Normalize Colour and Contrast settings.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust R614 to align the lower portion of the waveform shown in Fig. 12.</li> <li>2. Adjust L603 to minimize the difference in levels between the higher portions of the waveform as shown in Fig. 12a.</li> </ol> <p>Hint : At the correct R614/L603 alignment the waveform seem on the oscilloscope becomes "stable". See Fig. 12 &amp; 12a.</p>						

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Item / Preparation	Adjustment Procedure	Waveform
<p><b><u>M-NTSC Sub-Tint Adjustment</u></b></p> <p>Apply NTSC rainbow pattern.            Connect a oscilloscope to TP17.            Connect a short jumper between TPE 7 and TP10.            Press S1104 colour system SW to NTSC 4.43 .            Colour ..... NORMAL or CENTRE            Bright ..... NORMAL or CENTRE            Contrast ..... NORMAL or MAX.            Tint ..... NORMAL or CENTRE</p> <p>Press SERVICE SW (S1101), then press S1103 (FUNC.) to Sub-Tint .            Confirm CHK display on screen.</p>	<p>Confirm the amplitude of waveform:  <math>1.4 \pm 0.5V</math>.</p> <ol style="list-style-type: none"> <li>1. Set Colour to control to maximum and confirm that the colour level is saturated enough.</li> <li>2. Adjust Sub-Tint so that the peak level of waveform is similar to Fig. 10.</li> <li>3. Press NORMAL (S1107), CHK should disappear from screen.</li> <li>4. Confirm Colour max level at colour Max condition by colour control.</li> </ol> <p>Note : Use Remote control only when adjusting User Control .</p>	 <p style="text-align: center;">Fig.10</p>
<p><b><u>Adjustment Of SECAM Discrimination</u></b></p> <ol style="list-style-type: none"> <li>1. Receive SECAM colour bar pattern.</li> <li>2. Set the tuning to the best point</li> <li>3. Set system SW to SECAM .</li> <li>4. Connect Oscilloscope to TP19 which is located on the SECAM board.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust L653/R653, so that A,B,C level is flat as shown in Fig. 11</li> <li>2. Connect the oscilloscope to TP9.</li> <li>3. Adjust R653, so that waveform D falls on E as shown in Fig. 11a.</li> <li>4. Connect oscilloscope to TP19 and confirm that A,C is flat.</li> </ol> <p>Note : Important point is that the level D must fall on level E.</p>	 <p style="text-align: center;">Fig.11</p> <p style="text-align: center;">Fig.11a.</p>

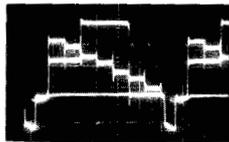




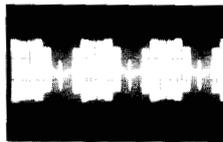
## TEST POINT WAVEFORMS



1. IC101 Pin 20 (E-PCB)  
Composite Video Signal  
2.3V, 20 $\mu$ s / Div



2. IC601 Pin 52 (E-PCB)  
Y In  
0.7V, 20 $\mu$ s / Div



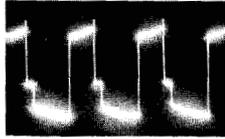
3. IC601 Pin 47 (E-PCB)  
Chroma In  
0.3V, 50 $\mu$ s / Div



4. IC601 Pin 40 (E-PCB)  
B - Y In  
0.2V, 20 $\mu$ s / Div



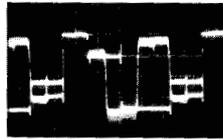
5. IC601 Pin 38 (E-PCB)  
R - Y In  
0.2V, 20 $\mu$ s / Div



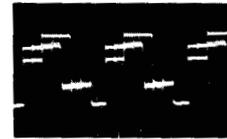
6. IC601 Pin 19 (E-PCB)  
Horizontal Out  
1.8V, 20 $\mu$ s / Div



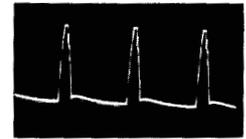
7. TP 18 (IC601 PIN 22)  
(E-PCB)  
4.0V, 20 $\mu$ s / Div



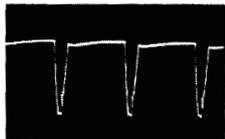
8. TP 17 (IC601 PIN 24)  
(E-PCB)  
4.0V, 10 $\mu$ s / Div



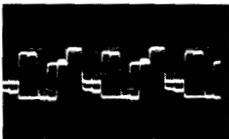
9. E-32 (E-PCB)  
Green Output From IC601 Pin 3.  
4V, 20 $\mu$ s / Div



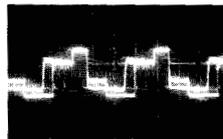
10. FBT Pin 4 (E-PCB)  
237V, 20 $\mu$ s / Div



11. FBT Pin 6 (E-PCB)  
225V, 20 $\mu$ s / Div



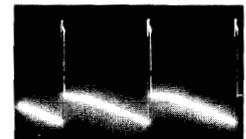
12. Q351 Collector  
(Y-PCB)  
160V, 20 $\mu$ s / Div



13. Q352 Collector  
(Y-PCB)  
140V, 20 $\mu$ s / Div



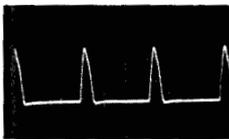
14. Q354 Collector  
(Y-PCB)  
160V, 20 $\mu$ s / Div



15. IC401 PIN 12 (E-PCB)  
Vertical Out  
55V, 5ms / Div



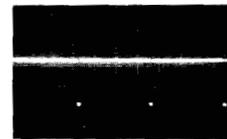
16. Q501 Base (E-PCB)  
Horizontal Out  
18.0V, 20 $\mu$ s / Div



17. Q501 Collector (E-PCB)  
Horizontal Out  
1200V, 20 $\mu$ s / Div



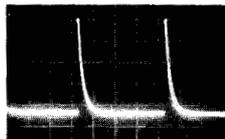
18. IC601 Pin 42 (E-PCB)  
Chroma Out  
0.8V, 20 $\mu$ s / Div



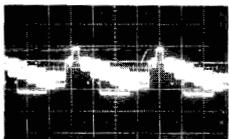
19. IC601 Pin 9 (E-PCB)  
Vertical Out  
4.0V, 20 $\mu$ s / Div



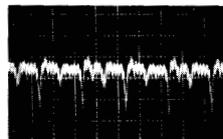
20. TPH 10 (E-PCB)  
Video Output Terminal  
2.2V, 10 $\mu$ s / Div



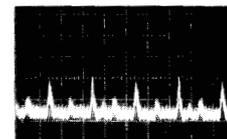
21. IC601 Pin 11 (E-PCB)  
V Shaper  
9V, 5ms / Div



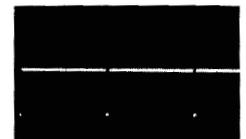
22. IC601 Pin 7 (E-PCB)  
Vertical  
2.4V, 20 $\mu$ s / Div



23. IC1102 Pin 31 (E-PCB)  
Band 1  
0.15V, 20 $\mu$ s / Div



24. IC1102 Pin 24 (E-PCB)  
Band 2  
0.1V, 1 $\mu$ s / Div



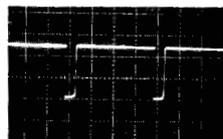
25. IC401 Pin 2 (E-PCB)  
Vertical Trigger Input  
5.0V, 5ms / Div



26. IC601 Pin 21 (E-PCB)  
5.8V, 20 $\mu$ s / Div



27. IC601 Pin 2 (E-PCB)  
Serial Clock Line  
5.0V, 10 $\mu$ s / Div



28. IC601 Pin 10 (E-PCB)  
50Hz / 60Hz  
5.0V, 5ms / Div

## TEST POINT VOLTAGES

PART	PIN	VOLTAGES	COMMENTS	PART	PIN	VOLTAGES	COMMENTS
IC1102	4	0V	AUTO, AV IN, NTSC 4.43	IC1102	19	4.9V	AUTO, AV IN, PAL
IC1102	4	0V	AUTO, AV IN, SECAM	IC1102	19	4.9V	B/W
IC1102	4	0V	AUTO, AV IN, PAL	IC1102	23	4.8V	AUTO, AV IN, NTSC 4.43
IC1102	4	0V	B/W	IC1102	23	0V	AUTO, AV IN, SECAM
IC1102	17	4.7V	AUTO, AV IN, NTSC 4.43	IC1102	23	4.8V	AUTO, AV IN, PAL
IC1102	17	4.4V	AUTO, AV IN, SECAM	IC1102	23	4.8V	B/W
IC1102	17	4.4V	AUTO, AV IN, PAL	IC1102	51	4.9V	AUTO, AV IN, NTSC 4.43
IC1102	17	4.4V	B/W	IC1102	51	0.1V	AUTO, AV IN, SECAM
IC1102	19	4.9V	AUTO, AV IN, NTSC 4.43	IC1102	51	4.9V	AUTO, AV IN, PAL
IC1102	19	4.9V	AUTO, AV IN, SECAM	IC1102	51	4.9V	B/W

# TC-25V20R

## Remote Control EUR641952

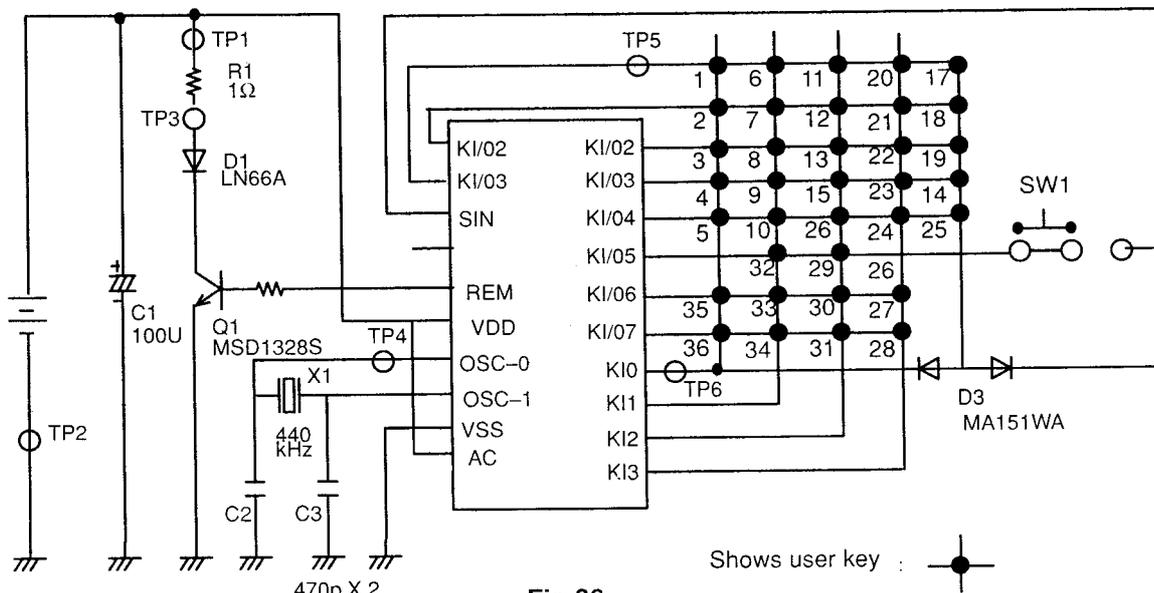
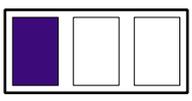
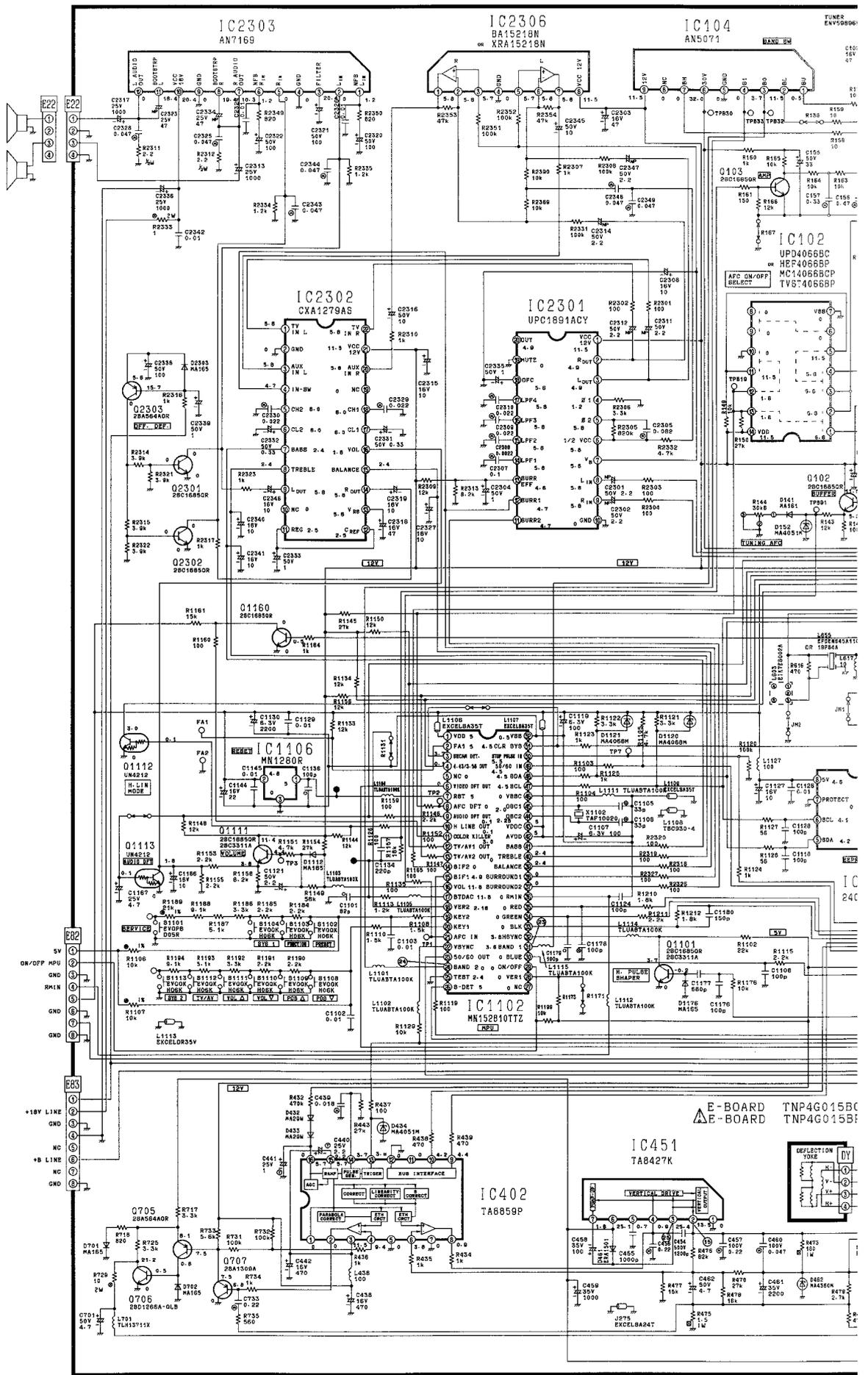
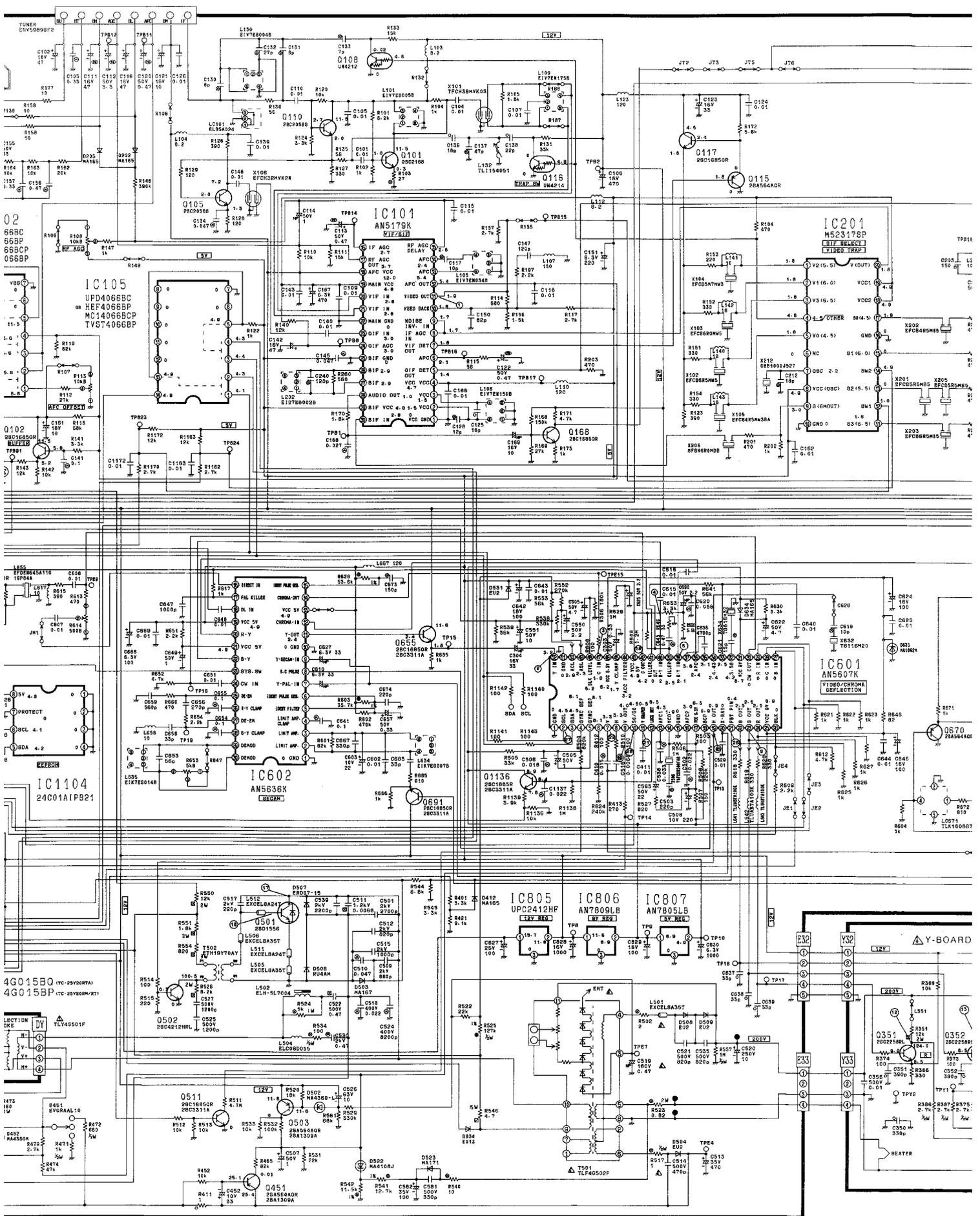


Fig.26

\* Parts listed here are not supplyable.

KEY NO.	FUNCTION	DATA CODE	KEY NO.	FUNCTION	DATA CODE
1	POWER	3D	19	SOUND FUNC ( S )	07
2	TV/AV	05	20	VOL UP	20
3	CH 1	10	21	VOL DOWN	21
4	CH 2	11	22	CH UP	34
5	CH 3	12	23	CH DOWN	35
6	CH 4	13	24	SURROUND	31
7	CH 5	14	25	MPX CHANGE	33
8	CH 6	15	26	(VTR) POWER	3D
9	CH 7	16	27	(VTR) CH UP	34
10	CH 8	17	28	(VTR) CH DOWN	35
11	CH 9	18	29	(VTR) PLAY	0A
12	CH 0	19	30	(VTR) STOP	00
13	-/-	3B	31	(VTR) F.F	03
14	OFFTIMER	0F	32	(VTR) REW	02
15	MUTE	32	33	(VTR) PAUSE	06
16	RECALL	39	34	(VTR) F.ADV	0C
17	NORMAL	0C	35	(VTR) REC	08
18	FUNCTION	06	36	(VTR) REC	08





02  
66BC  
66BP  
68BC  
68BP

0102  
28C1850R  
1.8

0105  
28C2958E  
1.3

0106  
28C2958E  
1.3

0107  
28C2958E  
1.3

4G015B0  
4G015B1

SECTION  
DRE

0452  
1A44500A

0451  
28A5600R

0450  
28A1300A

0449  
28A1300A

0448  
28A1300A

IC105  
UPD4065BC  
HEF4065BP  
MC14065BCP  
TVS74065BP

IC101  
ANS179K  
RJE7B13

IC602  
ANS636X  
REGON

IC1104  
24C01A1PB21

IC805  
UPC2412HF  
EXY REG

IC806  
AN7809LB  
EXY REG

IC807  
AN7805LB  
EXY REG

IC601  
ANS607K  
VIDEO/CHROMA  
DEFLECTION

IC201  
M52317SP  
BIF SELECT  
VIDEO TRAP

0115  
28A5600R

0116  
28C1850R

0117  
28C1850R

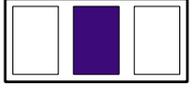
0118  
28C1850R

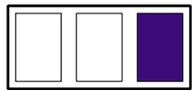
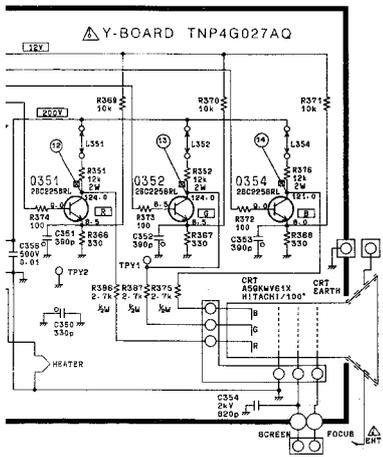
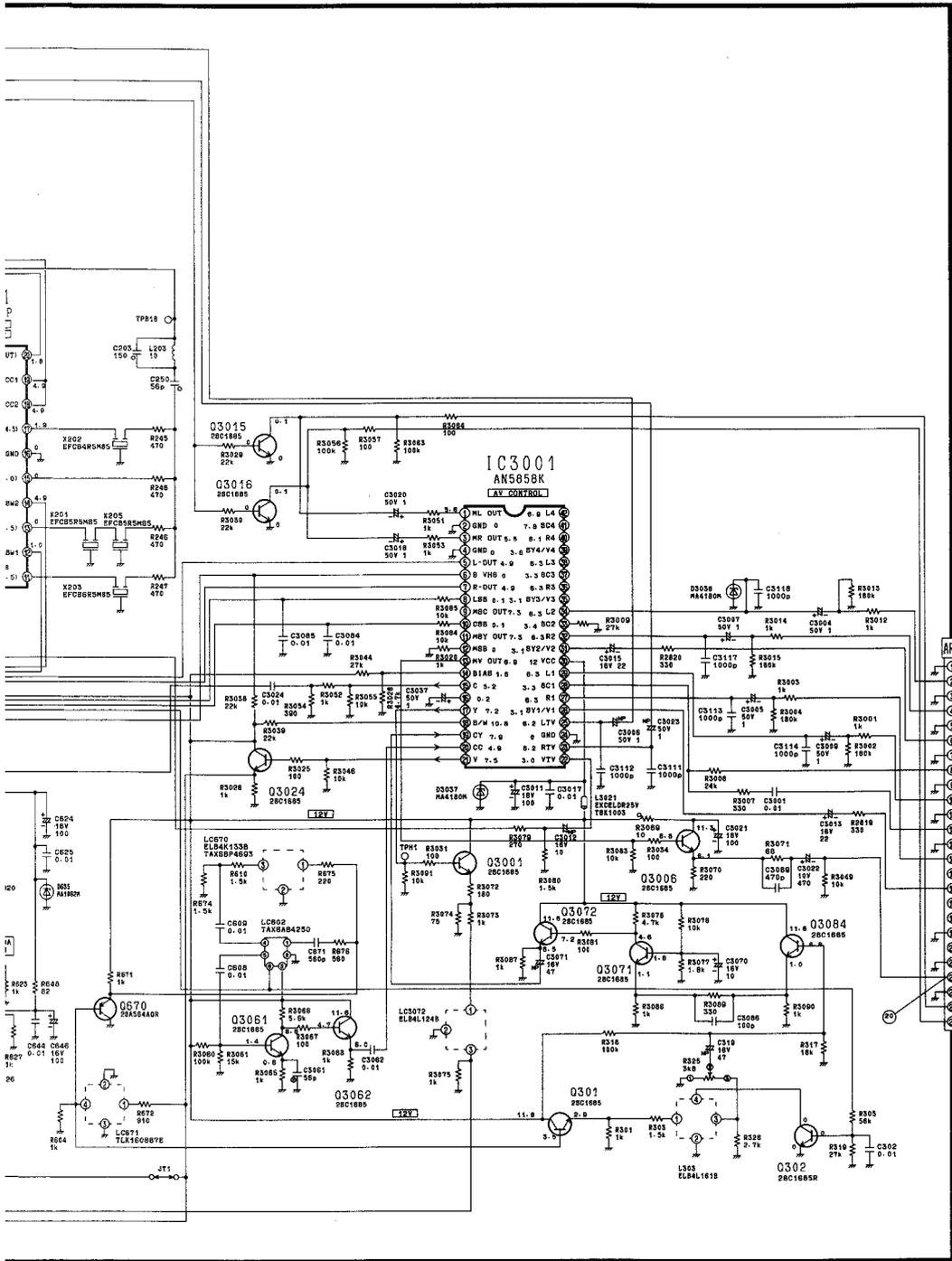
0119  
28C2958E

0120  
28C2958E

Y-BOARD

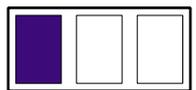
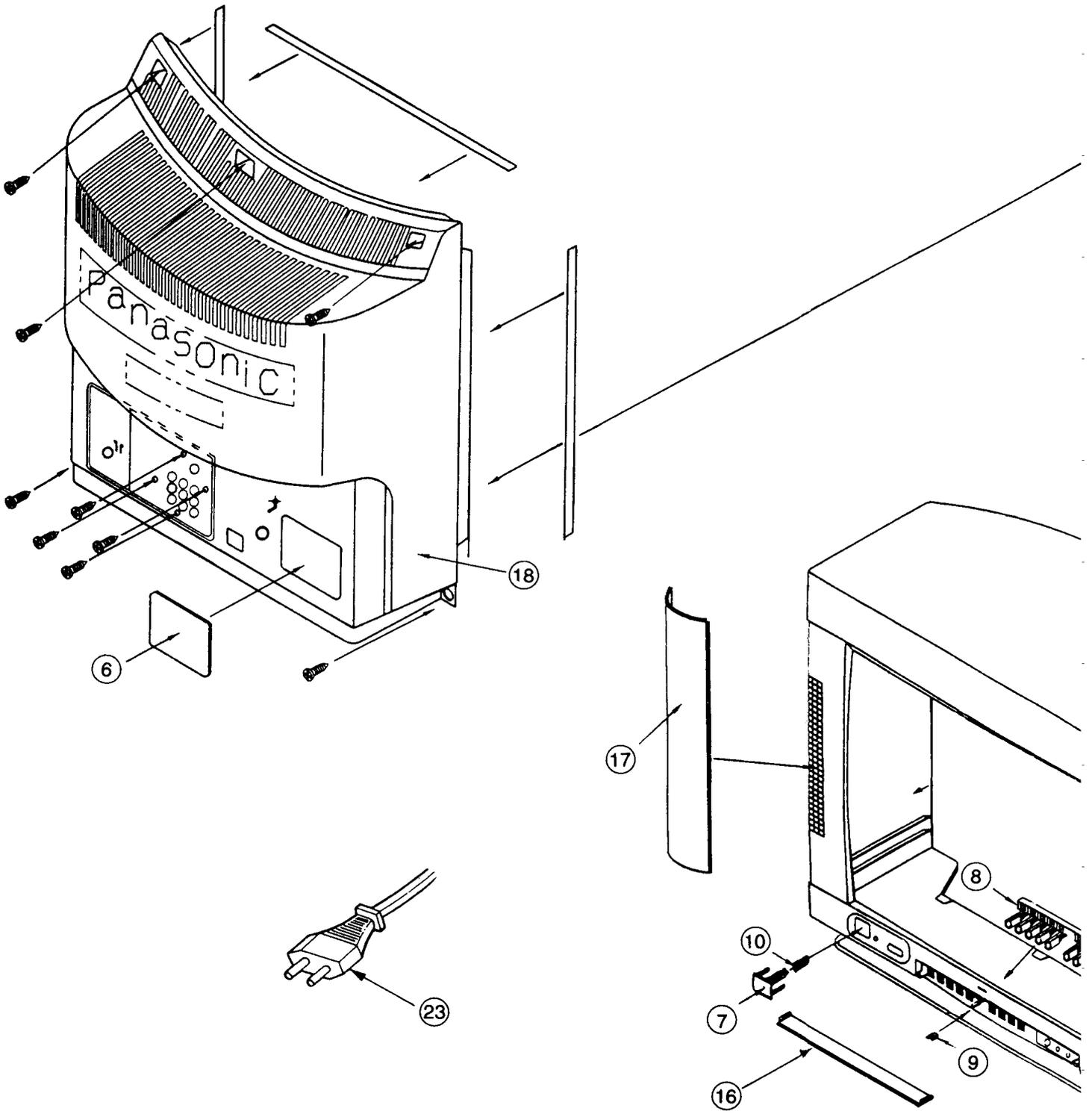
HEATER





# TC-25V20R

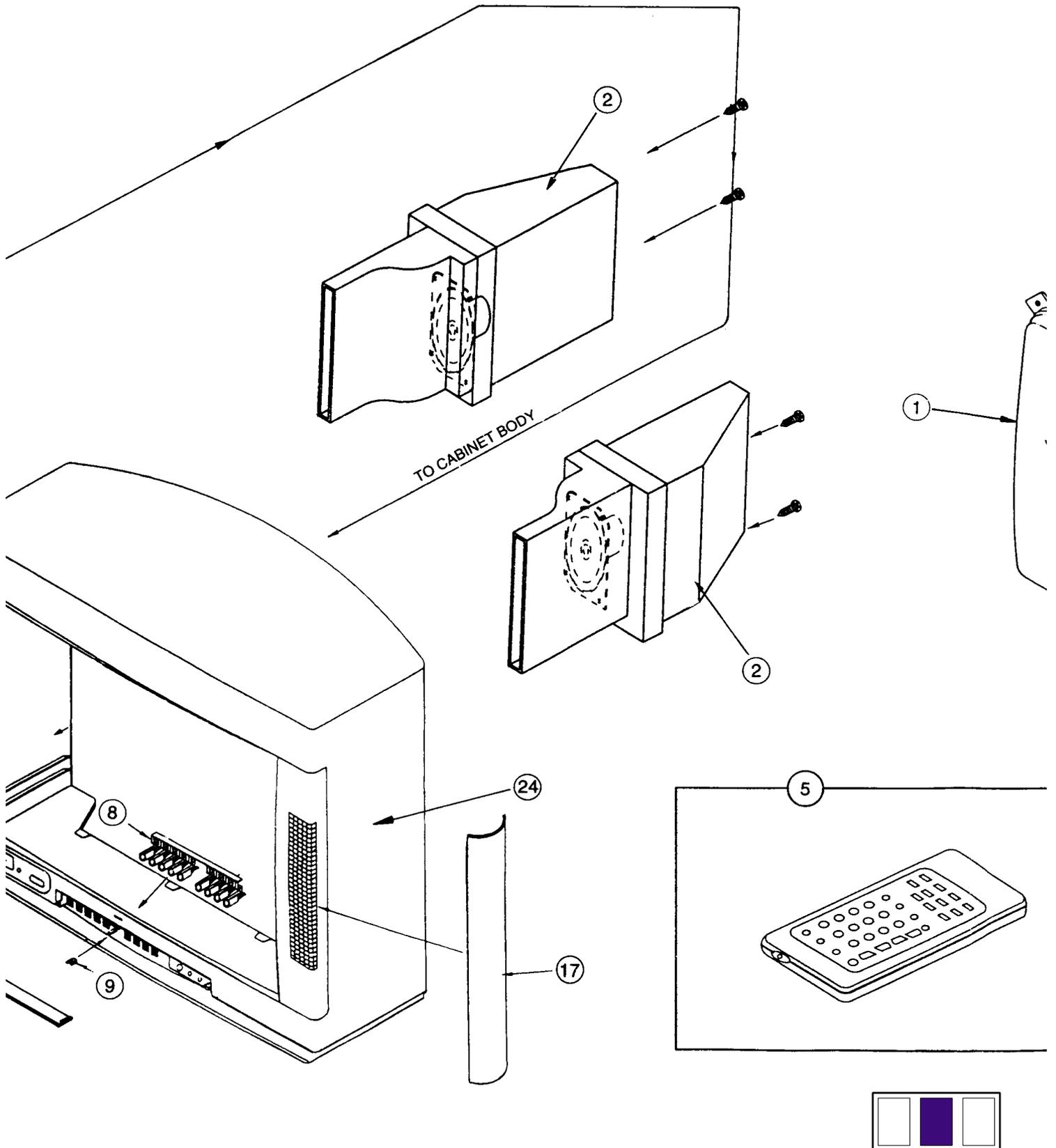
**Note:** The numbr  
Replacerr

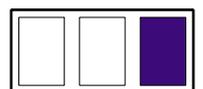
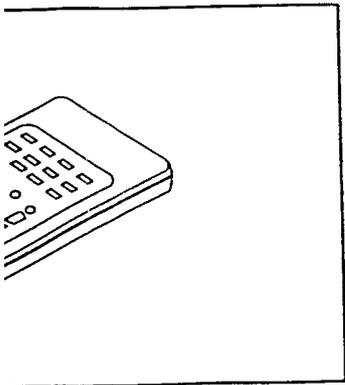
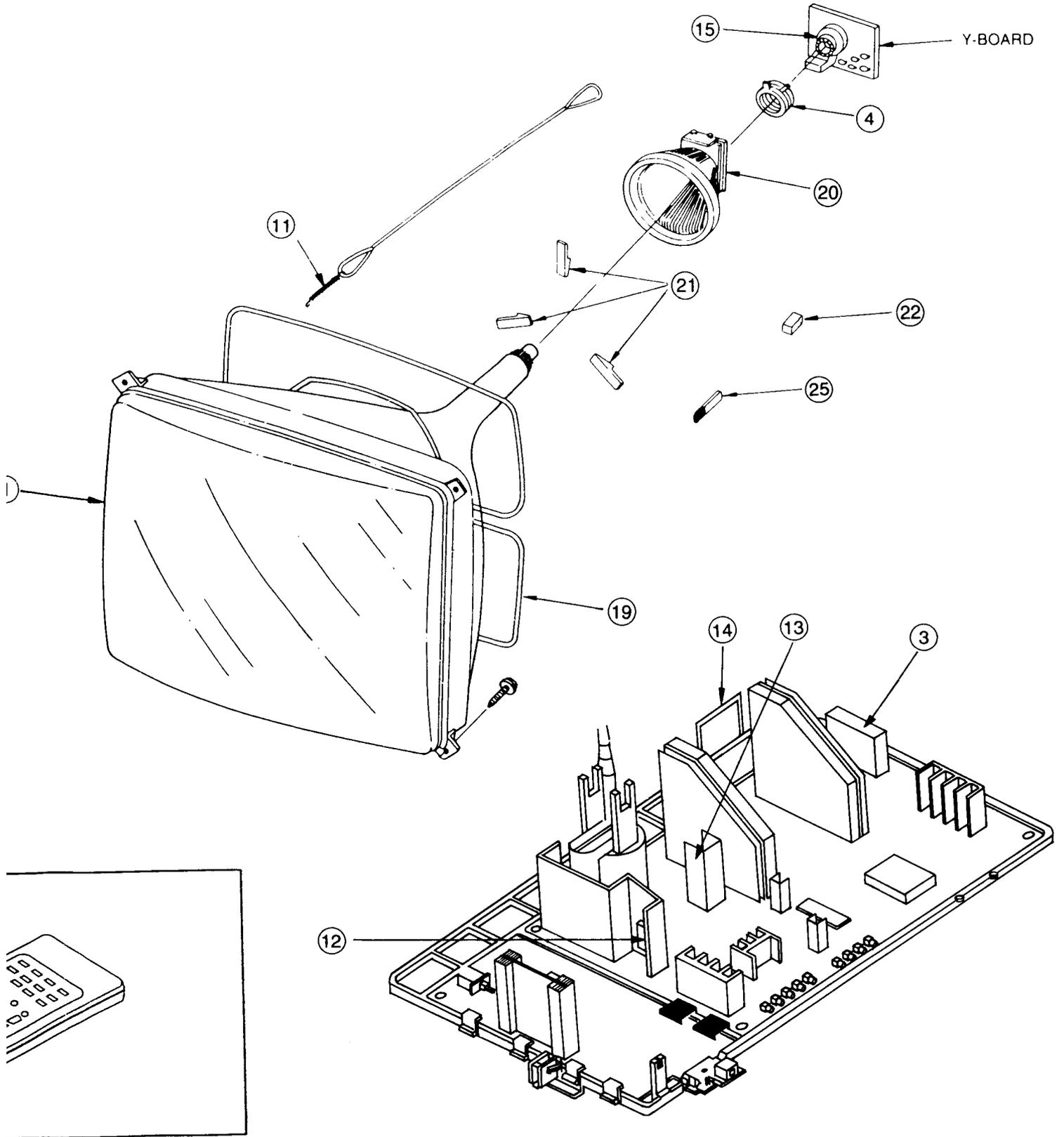


# C-25V20R

## PARTS LOCATION

**Note:** The number on mechanical parts indicates Ref. No. of Replacement Parts List.





# TC-25V20R

## Replacement Parts List

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
<b>MECHANICAL PARTS</b>					
1	A59KWV61X	PICTURE TUBE $\Delta$	R105	ERDS2TJ182	C 1.8KOHM, J, 1/4W
2	EAGG1201A2-1	DOME SPEAKER MTV	R108	EVND4AA00B14	CONTROL 10KOHMB
3	ENV59896F2	TUNER MTV $\Delta$	R110	ERDS2TJ103	C 10KOHM, J, 1/4W
4	ETC-33X8NA	CONVERGENCE YOKE MTV	R111	ERDS2TJ153	C 15KOHM, J, 1/4W
5	EUR641952	REMOTE CONTROL MTV	R112	ERDS2TJ273	C 27KOHM, J, 1/4W
6	TBM4G0114	MODEL NAME PLATE MTV $\Delta$	R113	EVND4AA00B14	CONTROL 10KOHMB
7	TBX4G81001	POWER BUTTON MTV	R114	ERDS2TJ681	C 680OHM, J, 1/4W
8	TBX4G81100	KEY BUTTON MTV	R115	ERDS2TJ560	C 56OHM, J, 1/4W
9	TEK6935	DOOR SWITCH	R116	ERDS2TJ152	C 1.5KOHM, J, 1/4W
10	TES2273	SPRING	R117	ERDS2TJ272	C 2.7KOHM, J, 1/4W
11	TES4223	SPRING	R118	ERDS2TJ683	C 68KOHM, J, 1/4W
12	TES4537	SPRING	R119	ERDS2TJ823	C 82KOHM, J, 1/4W
13	TES6583	SPRING FOR TR	R120	ERDS2TJ103	C 10KOHM, J, 1/4W
14	TJB4G603	AV TERMINAL MTV	R122	ERD25TJ102	C 1KOHM, J, 1/4W
15	TJS1A5050	CRT SOCKET $\Delta$	R123	ERDS2TJ391	C 390OHM, J, 1/4W
16	TKP4G10166-1	LID ASSY MTV	R124	ERDS2TJ332	C 3.3KOHM, J, 1/4W
17	TKP4G90012	SP PUNCHING SHEET MTV	R126	ERDS2TJ391	C 390OHM, J, 1/4W
18	TKU4G1400-1	BACK COVER ASSY MTV	R127	ERDS2TJ331	C 330OHM, J, 1/4W
19	TLK4G9004A	DEGAUSSING COIL $\Delta$	R128	ERDS2TJ121	C 120OHM, J, 1/4W
20	TLY4G501F	DEFLECTION YOKE MTV $\Delta$	R129	ERDS2TJ121	C 120OHM, J, 1/4W
21	TMM27523	DY WEDGE	R130	ERDS2TJ560	C 56OHM, J, 1/4W
NLA	TNP4G014BC	P BOARD MTV $\Delta$	R131	ERDS2TJ333	C 33KOHM, J, 1/4W
NLA	TNP4G015BP	E BOARD MTV $\Delta$	R133	ERDS2TJ153	C 15KOHM, J, 1/4W
NLA	TNP4G016	R BOARD MTV $\Delta$	R135	ERDS2TJ560	C 56OHM, J, 1/4W
NLA	TNP4G021	RAV BOARD MTV $\Delta$	R140	ERDS2TJ123	C 12KOHM, J, 1/4W
NLA	TNP4G027AQ	Y BOARD MTV $\Delta$	R141	ERDS2TJ332	C 3.3KOHM, J, 1/4W
	TPC4G41010	CARTON MTV	R142	ERDS2TJ103	C 10KOHM, J, 1/4W
	TPE4G14003	LAMI BAG MTV	R143	ERDS2TJ123	C 12KOHM, J, 1/4W
	TPE4G14015	SET COVER MTV	R144	EVND4AA00B34	CONTROL 30KOHMB
	TQB4G1110	FAN BAG MTV	R146	ERDS2TJ394	C 390KOHM, J, 1/4W
22	TSN63115-4	PURITY MAGNET MTV	R147	ERDS2TJ102	C 1KOHM, J, 1/4W
23	TSX4G105F	AC POWER CORD MTV $\Delta$	R149	ERDS2TJ103	C 10KOHM, J, 1/4W
24	TXFKY01YT2S	CABINET ASSY MTV	R150	ERDS2TJ273	C 27KOHM, J, 1/4W
25	TXFMK01H55	MAGNET	R151	ERDS2TJ331	C 330OHM, J, 1/4W
	TXFPD01YR2S	CUSHION (TOP) MTV	R152	ERDS2TJ331	C 330OHM, J, 1/4W
	TXFPD02YR2S	CUSHION (BOTTOM) MTV	R153	ERDS2TJ221	C 220OHM, J, 1/4W
<b>RESISTORS</b>					
R101	ERDS2TJ822	C 8.2KOHM, J, 1/4W	R154	ERDS2TJ331	C 330OHM, J, 1/4W
R102	ERDS2TJ102	C 1KOHM, J, 1/4W	R157	ERDS2TJ272	C 2.7KOHM, J, 1/4W
R103	ERQ14AJ270P	F 27OHM, J, 1/4W $\Delta$	R158	ERDS2TJ100	C 10OHM, J, 1/4W
R104	ERDS2TJ102	C 1KOHM, J, 1/4W	R159	ERD25TJ100	C 10OHM, J, 1/4W
			R160	ERDS2TJ102	C 1KOHM, J, 1/4W
			R161	ERDS2TJ151	C 150OHM, J, 1/4W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R162	ERDS2TJ203	C 20KOHM, J,1/4W	R376	ERG2ANJ123	M 12KOHM, J, 2W
R163	ERDS2TJ103	C 10KOHM, J,1/4W	R386	ERDS1TJ272	C 2.7KOHM, J,1/2W
R164	ERDS2TJ103	C 10KOHM, J,1/4W	R387	ERDS1TJ272	C 2.7KOHM, J,1/2W
R165	ERDS2TJ103	C 10KOHM, J,1/4W	R401	ERD25TJ332	C 3.3KOHM, J,1/4W
R166	ERDS2TJ123	C 12KOHM, J,1/4W	R411	ERD2FAVJ1R0T	C 1OHM, J,1/4W MTV
R168	ERDS2TJ154	C 150KOHM, J,1/4W	R412	ERDS2TJ101	C 100OHM, J,1/4W
R169	ERDS2TJ273	C 27KOHM, J,1/4W	R413	ERD25TJ271	C 270OHM, J,1/4W
R170	ERDS2TJ182	C 1.8KOHM, J,1/4W	R421	ERDS2TJ912	C 9.1KOHM, J,1/4W
R171	ERDS2TJ472	C 4.7KOHM, J,1/4W	R432	ERDS2TJ474	C 470KOHM, J,1/4W
R172	ERDS2TJ562	C 5.6KOHM, J,1/4W	R434	ERDS2TJ102	C 1KOHM, J,1/4W
R173	ERDS2TJ102	C 1KOHM, J,1/4W	R435	ERDS2TJ102	C 1KOHM, J,1/4W
R177	ERDS2TJ100	C 100OHM, J,1/4W	R436	ERDS2TJ102	C 1KOHM, J,1/4W
R184	ERDS2TJ471	C 470OHM, J,1/4W	R437	ERD25TJ101	C 100OHM, J,1/4W
R197	ERDS2TJ222	C 2.2KOHM, J,1/4W	R438	ERDS2TJ471	C 470OHM, J,1/4W
R201	ERDS2TJ471	C 470OHM, J,1/4W	R439	ERDS2TJ471	C 470OHM, J,1/4W
R202	ERDS2TJ102	C 1KOHM, J,1/4W	R443	ERDS2TJ273	C 27KOHM, J,1/4W
R203	ERDS2TJ471	C 470OHM, J,1/4W	R452	ERDS2TJ103	C 10KOHM, J,1/4W
R245	ERDS2TJ471	C 470OHM, J,1/4W	R465	ERDS2TJ823	C 82KOHM, J,1/4W
R246	ERDS2TJ471	C 470OHM, J,1/4W	R470	ERDS2TJ273	C 27KOHM, J,1/4W
R247	ERDS2TJ471	C 470OHM, J,1/4W	R471	ERDS1TJ102	C 1KOHM, J,1/2W
R248	ERD25TJ471	C 470OHM, J,1/4W	R472	ERDS1TJ681	C 680OHM, J,1/2W
R260	ERDS2TJ561	C 560OHM, J,1/4W	R473	ERG1SJ181E	M 180OHM, J, 1W MTV
R301	ERDS2TJ102	C 1KOHM, J,1/4W	R474	ERDS2TJ473	C 47KOHM, J,1/4W
R303	ERDS2TJ152	C 1.5KOHM, J,1/4W	R475	ERX1SJ1R5P	M 1.5OHM, J, 1W
R305	ERDS2TJ563	C 56KOHM, J,1/4W	R476	ERDS2TJ823	C 82KOHM, J,1/4W
R306	ERDS2TJ184	C 180KOHM, J,1/4W	R477	ERDS2TJ153	C 15KOHM, J,1/4W
R317	ERDS2TJ183	C 18KOHM, J,1/4W	R478	ERDS2TJ163	C 16KOHM, J,1/4W
R318	ERDS2TJ104	C 100KOHM, J,1/4W	R479	ERDS2TJ272	C 2.7KOHM, J,1/4W
R319	ERDS2TJ273	C 27KOHM, J,1/4W	R502	ERQ14AJ2R0P	F 2.0OHM, J,1/4W $\Delta$
R325	EVND4AA00B33	CONTROL 3KOHMB	R503	ERDS2TJ101	C 100OHM, J,1/4W
R326	ERDS2TJ272	C 2.7KOHM, J,1/4W	R504	ERDS2TJ824	C 820KOHM, J,1/4W
R351	ERG2ANJ123	M 12KOHM, J, 2W	R505	ERDS2TJ333	C 33KOHM, J,1/4W
R352	ERG2ANJ123	M 12KOHM, J, 2W	R506	ERDS2TJ105	C 1MOHM, J,1/4W
R366	ERDS2TJ331	C 330OHM, J,1/4W	R507	ERDS2TJ151	C 150OHM, J,1/4W
R367	ERDS2TJ331	C 330OHM, J,1/4W	R508	ERDS2TJ224	C 220KOHM, J,1/4W
R368	ERDS2TJ331	C 330OHM, J,1/4W	R510	ERDS2TJ101	C 100OHM, J,1/4W
R369	ERDS2TJ103	C 10KOHM, J,1/4W	R511	ERDS2TJ475	C 4.7MOHM, J,1/4W
R370	ERDS2TJ103	C 10KOHM, J,1/4W	R512	ERDS2TJ103	C 10KOHM, J,1/4W
R371	ERDS2TJ103	C 10KOHM, J,1/4W	R513	ERDS2TJ103	C 10KOHM, J,1/4W
R372	ERDS2TJ101	C 100OHM, J,1/4W	R514	ERD25TJ101	C 100OHM, J,1/4W
R373	ERDS2TJ101	C 100OHM, J,1/4W	R515	ERDS2TJ221	C 220OHM, J,1/4W
R374	ERDS2TJ101	C 100OHM, J,1/4W	R517	ERQ12HJ1R0	F 1OHM, J,1/2W $\Delta$
R375	ERDS1TJ272	C 2.7KOHM, J,1/2W	R520	ERDS2TJ183	C 18KOHM, J,1/4W

# TC-25V20R

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R522	ERD25TJ223	C 22KOHM, J, 1/4W	R622	ERDS2TJ102	C 1KOHM, J, 1/4W
R523	ERQ2CKR82	F 0.82OHM, K, 2W $\Delta$	R623	ERDS2TJ102	C 1KOHM, J, 1/4W
R524	ERQ1CJ102	F 1KOHM, J, 1W $\Delta$	R624	ERDS2TJ244	C 240KOHM, J, 1/4W
R525	ER025CKF1273	M 127KOHM, F, 1/4W MTV	R625	ERDS2TJ102	C 1KOHM, J, 1/4W
R526	ERG2ANJ822	M 8.2KOHM, J, 2W	R626	ERDS2TJ102	C 1KOHM, J, 1/4W
R527	ERDS2TJ821	C 820OHM, J, 1/4W	R627	ERDS2TJ102	C 1KOHM, J, 1/4W
R529	ERDS2TJ334	C 330KOHM, J, 1/4W	R628	ER0S2CKF5362	M53.6KOHM, F, 1/4W MTV
R531	ERDS2TJ223	C 22KOHM, J, 1/4W	R629	ERDS2TJ105	C 1MOHM, J, 1/4W
R532	ERDS2TJ104	C 100KOHM, J, 1/4W	R630	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R533	ERDS2TJ103	C 10KOHM, J, 1/4W	R632	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R534	ERQ12AJ101	F 100OHM, J, 1/2W $\Delta$	R633	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R538	ERDS2TJ334	C 330KOHM, J, 1/4W	R641	ERD25TJ563	C 56KOHM, J, 1/4W
R539	ERDS2TJ563	C 56KOHM, J, 1/4W	R646	ERD25TJ330	C 33OHM, J, 1/4W
R540	ERQ14AJ100P	F 10OHM, J, 1/4W $\Delta$	R648	ERDS2TJ820	C 82OHM, J, 1/4W
R541	ER0S2CKF1272	M12.7KOHM, F, 1/4W	R649	ERDS2TJ125	C 1.2MOHM, J, 1/4W
R542	ER0S2CKF1152	M11.5KOHM, F, 1/4W	R651	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R544	ERDS2TJ682	C 6.8KOHM, J, 1/4W	R652	ERDS2TJ472	C 4.7KOHM, J, 1/4W
R545	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R653	EVND4AA00B53	CONTROL 5KOHMB
R546	ERF15ZK4R7	W 4.7OHM, 15W	R654	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R550	ERG2ANJ123	M 12KOHM, J, 2W	R655	ERDS2TJ102	C 1KOHM, J, 1/4W
R551	ERG3ANJ102	M 1KOHM, J, 3W	R660	ERDS2TJ471	C 470OHM, J, 1/4W
R552	ERDS2TJ274	C 270KOHM, J, 1/4W	R665	ERDS2TJ911	C 910OHM, J, 1/4W
R553	ERDS2TJ563	C 56KOHM, J, 1/4W	R666	ERDS2TJ102	C 1KOHM, J, 1/4W
R554	ERG3ANJ821	M 820OHM, J, 3W	R671	ERDS2TJ102	C 1KOHM, J, 1/4W
R557	ERDS1TJ105	C 1MOHM, J, 1/2W	R672	ERD25TJ911	C 910OHM, J, 1/4W MTV
R561	ERDS2TJ683	C 68KOHM, J, 1/4W	R674	ERDS2TJ152	C 1.5KOHM, J, 1/4W
R601	ERDS2TJ823	C 82KOHM, J, 1/4W	R675	ERDS2TJ221	C 220OHM, J, 1/4W
R602	ERDS2TJ474	C 470KOHM, J, 1/4W	R676	ERDS2TJ561	C 560OHM, J, 1/4W
R603	ER0S2CKF3572	M35.7KOHM, F, 1/4W	R717	ERD25TJ332	C 3.3KOHM, J, 1/4W
R604	ERDS2TJ102	C 1KOHM, J, 1/4W	R718	ERDS2TJ821	C 820OHM, J, 1/4W
R608	ERD25TJ101	C 100OHM, J, 1/4W	R725	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R609	ERDS2TJ222	C 2.2KOHM, J, 1/4W	R729	ERQ2CJ100	F 10OHM, J, 2W $\Delta$
R610	ERDS2TJ152	C 1.5KOHM, J, 1/4W	R731	ERDS2TJ104	C 100KOHM, J, 1/4W
R612	ERDS2TJ472	C 4.7KOHM, J, 1/4W	R732	ERDS2TJ104	C 100KOHM, J, 1/4W
R613	ERDS2TJ471	C 470OHM, J, 1/4W	R733	ERDS2TJ562	C 5.6KOHM, J, 1/4W
R614	EVND4AA00B52	CONTROL 500OHMB	R734	ERDS2TJ102	C 1KOHM, J, 1/4W
R615	ERDS2TJ391	C 390OHM, J, 1/4W	R735	ERDS2TJ561	C 560OHM, J, 1/4W
R616	ERDS2TJ471	C 470OHM, J, 1/4W	R803	ERG2ANJ563	M 56KOHM, J, 2W MTV
R617	ERDS2TJ102	C 1KOHM, J, 1/4W	R804	ERG1ANJ203	M 20KOHM, J, 1W
R618	ERDS2TJ331	C 330OHM, J, 1/4W	R805	ERG2ANJ473H	M 47KOHM, J, 2W
R619	ERDS2TJ331	C 330OHM, J, 1/4W	R806	ERG1ANJ103H	M 10KOHM, J, 1W
R620	ERDS2TJ331	C 330OHM, J, 1/4W	R807	ERG1ANJ100H	M 10OHM, J, 1W
R621	ERDS2TJ102	C 1KOHM, J, 1/4W	R809	ERF15ZK4R7	W 4.7OHM, 15W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R810	ERW2PKR18C	W 0.18OHM, K, 2W MTV	R1133	ERDS2TJ123	C 12KOHM, J, 1/4W
R812	ERDS2TJ331	C 330OHM, J, 1/4W	R1134	ERDS2TJ123	C 12KOHM, J, 1/4W
R813	ERDS2TJ362	C 3.6KOHM, J, 1/4W	R1135	ERDS2TJ101	C 100OHM, J, 1/4W
R814	ERDS2TJ101	C 100OHM, J, 1/4W	R1136	ERDS2TJ103	C 10KOHM, J, 1/4W
R815	ERDS1TJ682	C 6.8KOHM, J, 1/2W	R1138	ERDS2TJ105	C 1MOHM, J, 1/4W
R816	ERQ12HKR68	F 0.68OHM, K, 1/2W MTV△	R1139	ERDS2TJ392	C 3.9KOHM, J, 1/4W
R817	ERQ1CZKR22	F 0.22OHM, K, 1W MTV△	R1140	ERDS2TJ101	C 100OHM, J, 1/4W
R819	ERDS2TJ102	C 1KOHM, J, 1/4W	R1141	ERD25TJ101	C 100OHM, J, 1/4W
R821	ERD75TAJ825	C 8.2MOHM, J, 3/4W	R1142	ERDS2TJ101	C 100OHM, J, 1/4W
R822	ERQ2CKR33	F 0.33OHM, K, 2W MTV△	R1143	ERD25TJ101	C 100OHM, J, 1/4W
R824	ERDS2TJ473	C 47KOHM, J, 1/4W	R1144	ERDS2TJ123	C 12KOHM, J, 1/4W
R825	ERDS2TJ272	C 2.7KOHM, J, 1/4W	R1145	ERDS2TJ273	C 27KOHM, J, 1/4W
R826	ERDS2TJ561	C 560OHM, J, 1/4W	R1146	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R828	ERG1ANJ103H	M 10KOHM, J, 1W	R1147	ERD25TJ101	C 100OHM, J, 1/4W
R829	ERG1ANJ822H	M 8.2KOHM, J, 1W	R1148	ERDS2TJ123	C 12KOHM, J, 1/4W
R830	ERDS2TJ473	C 47KOHM, J, 1/4W	R1149	ERDS2TJ563	C 56KOHM, J, 1/4W
R831	ERDS2TJ152	C 1.5KOHM, J, 1/4W	R1150	ERD25TJ123	C 12KOHM, J, 1/4W
R833	ERQ14AJ220S	F 22OHM, J, 1/4W MTV△	R1151	ERDS2TJ472	C 4.7KOHM, J, 1/4W
R834	ERDS1TJ470	C 47OHM, J, 1/2W	R1152	ERD25TJ101	C 100OHM, J, 1/4W
R837	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R1153	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R1102	ERDS2TJ223	C 22KOHM, J, 1/4W	R1154	ERDS2TJ273	C 27KOHM, J, 1/4W
R1103	ERDS2TJ101	C 100OHM, J, 1/4W	R1155	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R1104	ERDS2TJ101	C 100OHM, J, 1/4W	R1156	ERD25TJ123	C 12KOHM, J, 1/4W
R1105	ERDS2TJ472	C 4.7KOHM, J, 1/4W	R1157	ERDS2TJ183	C 18KOHM, J, 1/4W
R1106	ER0S2CKF1002	M 10KOHM, F, 1/4W	R1158	ERDS2TJ822	C 8.2KOHM, J, 1/4W
R1107	ER0S2CKF1002	M 10KOHM, F, 1/4W	R1159	ERDS2TJ101	C 100OHM, J, 1/4W
R1108	ERD25TJ152	C 1.5KOHM, J, 1/4W	R1160	ERDS2TJ101	C 100OHM, J, 1/4W
R1109	ERDS2TJ562	C 5.6KOHM, J, 1/4W	R1161	ERDS2TJ153	C 15KOHM, J, 1/4W
R1110	ERD25TJ152	C 1.5KOHM, J, 1/4W	R1162	ERDS2TJ272	C 2.7KOHM, J, 1/4W
R1111	ERDS2TJ471	C 470OHM, J, 1/4W	R1163	ERDS2TJ123	C 12KOHM, J, 1/4W
R1113	ERDS2TJ122	C 1.2KOHM, J, 1/4W	R1164	ERDS2TJ102	C 1KOHM, J, 1/4W
R1115	ERDS2TJ222	C 2.2KOHM, J, 1/4W	R1165	ERDS2TJ101	C 100OHM, J, 1/4W
R1119	ERDS2TJ101	C 100OHM, J, 1/4W	R1170	ERDS2TJ272	C 2.7KOHM, J, 1/4W
R1120	ERDS2TJ104	C 100KOHM, J, 1/4W	R1172	ERDS2TJ123	C 12KOHM, J, 1/4W
R1121	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R1175	ERDS2TJ101	C 100OHM, J, 1/4W
R1122	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R1176	ERDS2TJ103	C 10KOHM, J, 1/4W
R1123	ERDS2TJ102	C 1KOHM, J, 1/4W	R1184	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R1124	ERDS2TJ102	C 1KOHM, J, 1/4W	R1185	ERDS2TJ222	C 2.2KOHM, J, 1/4W
R1125	ERDS2TJ102	C 1KOHM, J, 1/4W	R1186	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R1126	ERDS2TJ101	C 100OHM, J, 1/4W	R1187	ERDS2TJ512	C 5.1KOHM, J, 1/4W
R1127	ERDS2TJ560	C 56OHM, J, 1/4W	R1188	ERD25TJ912	C 9.1KOHM, J, 1/4W
R1128	ERDS2TJ560	C 56OHM, J, 1/4W	R1189	ER0S2CKF2102	M 21KOHM, F, 1/4W
R1129	ERDS2TJ103	C 10KOHM, J, 1/4W	R1190	ERDS2TJ222	C 2.2KOHM, J, 1/4W

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R1191	ERDS2TJ222	C 2.2KOHM, J, 1/4W	R2350	ERDS2TJ821	C 820OHM, J, 1/4W
R1192	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R2351	ERDS2TJ104	C 100KOHM, J, 1/4W
R1193	ERDS2TJ512	C 5.1KOHM, J, 1/4W	R2352	ERDS2TJ104	C 100KOHM, J, 1/4W
R1194	ERD25TJ912	C 9.1KOHM, J, 1/4W	R2353	ERDS2TJ473	C 47KOHM, J, 1/4W
R1199	ERD25TJ103	C 10KOHM, J, 1/4W	R2354	ERDS2TJ473	C 47KOHM, J, 1/4W
R1201	ER0S2CKF1373	M 137KOHM, F, 1/4W MTV	R2389	ERDS2TJ103	C 10KOHM, J, 1/4W
R1202	ERDS2TJ4R7	C 4.7OHM, J, 1/4W	R2390	ERDS2TJ103	C 10KOHM, J, 1/4W
R1203	ERDS2TJ562	C 5.6KOHM, J, 1/4W	R2819	ERDS2TJ331	C 330OHM, J, 1/4W
R1204	ERDS2TJ470	C 47OHM, J, 1/4W	R2820	ERDS2TJ331	C 330OHM, J, 1/4W
R1210	ERDS2TJ182	C 1.8KOHM, J, 1/4W	R3001	ERDS2TJ102	C 1KOHM, J, 1/4W
R1211	ERDS2TJ222	C 2.2KOHM, J, 1/4W	R3002	ERDS2TJ184	C 180KOHM, J, 1/4W
R1212	ERDS2TJ182	C 1.8KOHM, J, 1/4W	R3003	ERDS2TJ102	C 1KOHM, J, 1/4W
R2301	ERDS2TJ101	C 100OHM, J, 1/4W	R3004	ERDS2TJ184	C 180KOHM, J, 1/4W
R2302	ERDS2TJ101	C 100OHM, J, 1/4W	R3005	ERDS2TJ750	C 75OHM, J, 1/4W
R2303	ERDS2TJ101	C 100OHM, J, 1/4W	R3006	ERDS2TJ750	C 75OHM, J, 1/4W
R2304	ERDS2TJ101	C 100OHM, J, 1/4W	R3007	ERDS2TJ331	C 330OHM, J, 1/4W
R2305	ERDS2TJ824	C 820KOHM, J, 1/4W	R3008	ERDS2TJ243	C 24KOHM, J, 1/4W
R2306	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R3009	ERDS2TJ273	C 27KOHM, J, 1/4W
R2307	ERDS2TJ102	C 1KOHM, J, 1/4W	R3010	ERDS2TJ750	C 75OHM, J, 1/4W
R2308	ERDS2TJ104	C 100KOHM, J, 1/4W	R3012	ERDS2TJ102	C 1KOHM, J, 1/4W
R2309	ERDS2TJ123	C 12KOHM, J, 1/4W	R3013	ERDS2TJ184	C 180KOHM, J, 1/4W
R2310	ERDS2TJ102	C 1KOHM, J, 1/4W	R3014	ERDS2TJ102	C 1KOHM, J, 1/4W
R2311	ERDS1TJ2R2	C 2.2OHM, J, 1/2W	R3015	ERDS2TJ184	C 180KOHM, J, 1/4W
R2312	ERDS1TJ2R2	C 2.2OHM, J, 1/2W	R3020	ERDS2TJ102	C 1KOHM, J, 1/4W
R2313	ERDS2TJ822	C 8.2KOHM, J, 1/4W	R3025	ERDS2TJ101	C 100OHM, J, 1/4W
R2314	ERDS2TJ392	C 3.9KOHM, J, 1/4W	R3026	ERDS2TJ102	C 1KOHM, J, 1/4W
R2315	ERDS2TJ392	C 3.9KOHM, J, 1/4W	R3028	ERDS2TJ472	C 4.7KOHM, J, 1/4W
R2316	ERDS2TJ102	C 1KOHM, J, 1/4W	R3029	ERDS2TJ223	C 22KOHM, J, 1/4W
R2317	ERDS2TJ102	C 1KOHM, J, 1/4W	R3030	ERDS2TJ223	C 22KOHM, J, 1/4W
R2318	ERDS2TJ101	C 100OHM, J, 1/4W	R3031	ERDS2TJ101	C 100OHM, J, 1/4W
R2319	ERDS2TJ101	C 100OHM, J, 1/4W	R3034	ERD25TJ101	C 100OHM, J, 1/4W
R2320	ERDS2TJ101	C 100OHM, J, 1/4W	R3038	ERD25TJ223	C 22KOHM, J, 1/4W
R2321	ERDS2TJ392	C 3.9KOHM, J, 1/4W	R3039	ERDS2TJ223	C 22KOHM, J, 1/4W
R2322	ERDS2TJ392	C 3.9KOHM, J, 1/4W	R3044	ERDS2TJ273	C 27KOHM, J, 1/4W
R2323	ERDS2TJ102	C 1KOHM, J, 1/4W	R3046	ERDS2TJ103	C 10KOHM, J, 1/4W
R2326	ERD25TJ101	C 100OHM, J, 1/4W	R3049	ERDS2TJ103	C 10KOHM, J, 1/4W
R2327	ERDS2TJ101	C 100OHM, J, 1/4W	R3051	ERDS2TJ102	C 1KOHM, J, 1/4W
R2331	ERDS2TJ104	C 100KOHM, J, 1/4W	R3052	ERDS2TJ102	C 1KOHM, J, 1/4W
R2332	ERDS2TJ472	C 4.7KOHM, J, 1/4W	R3053	ERDS2TJ102	C 1KOHM, J, 1/4W
R2333	ERQ2CJ1R0	F 1OHM, J, 2W MTV $\Delta$	R3054	ERDS2TJ391	C 390OHM, J, 1/4W
R2334	ERDS2TJ122	C 1.2KOHM, J, 1/4W	R3055	ERDS2TJ103	C 10KOHM, J, 1/4W
R2335	ERDS2TJ122	C 1.2KOHM, J, 1/4W	R3056	ERDS2TJ104	C 100KOHM, J, 1/4W
R2349	ERDS2TJ821	C 820OHM, J, 1/4W	R3057	ERDS2TJ101	C 100OHM, J, 1/4W

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R3060	ERDS2TJ104	C 100KOHM, J, 1/4W	C115	ECKF1H103ZF	C 0.01UF, Z, 50V
R3061	ERDS2TJ153	C 15KOHM, J, 1/4W	C116	ECEA1CU470	E 47UF, 16V
R3063	ERDS2TJ104	C 100KOHM, J, 1/4W	C117	ECCF1H100DC	C 10PF, D, 50V
R3064	ERDS2TJ101	C 100OHM, J, 1/4W	C118	ECKF1H103ZF	C 0.01UF, Z, 50V
R3065	ERDS2TJ102	C 1KOHM, J, 1/4W	C120	ECEA1HFSR47	E 0.47UF, 50V
R3066	ERDS2TJ562	C 5.6KOHM, J, 1/4W	C121	ECEA1CU100	E 10UF, 16V
R3067	ERDS2TJ101	C 100OHM, J, 1/4W	C122	ECEA1HFSR47	E 0.47UF, 50V
R3068	ERDS2TJ102	C 1KOHM, J, 1/4W	C123	ECEA1CU330	E 33UF, 16V
R3069	ERD25FJ100	C 10OHM, J, 1/4W	C124	ECKF1H103ZF	C 0.01UF, Z, 50V
R3070	ERDS2TJ221	C 220OHM, J, 1/4W	C125	ECCF1H180J	C 18PF, J, 50V
R3071	ERDS2TJ680	C 68OHM, J, 1/4W	C126	ECKF1H103ZF	C 0.01UF, Z, 50V
R3072	ERDS2TJ181	C 180OHM, J, 1/4W	C128	ECCF1H120JC	C 12PF, J, 50V
R3073	ERDS2TJ102	C 1KOHM, J, 1/4W	C130	ECCF1H080DC	C 8PF, D, 50V
R3074	ERDS2TJ750	C 75OHM, J, 1/4W	C131	ECCF1H080DC	C 8PF, D, 50V
R3075	ERDS2TJ102	C 1KOHM, J, 1/4W	C132	ECCF1H270JC	C 27PF, J, 50V
R3076	ERDS2TJ103	C 10KOHM, J, 1/4W	C133	ECCF1H070DC	C 7PF, D, 50V
R3077	ERDS2TJ182	C 1.8KOHM, J, 1/4W	C134	ECQB1H473JF	P 0.047UF, J, 50V
R3078	ERDS2TJ472	C 4.7KOHM, J, 1/4W	C136	ECCF1H180J	C 18PF, J, 50V
R3079	ERDS2TJ271	C 270OHM, J, 1/4W	C137	ECCF1H470JC	C 47PF, J, 50V
R3080	ERDS2TJ152	C 1.5KOHM, J, 1/4W	C138	ECCF1H220J	C 22PF, J, 50V
R3081	ERDS2TJ101	C 100OHM, J, 1/4W	C139	ECKF1H103ZF	C 0.01UF, Z, 50V
R3083	ERDS2TJ103	C 10KOHM, J, 1/4W	C140	ECKF1H103ZF	C 0.01UF, Z, 50V
R3084	ERDS2TJ103	C 10KOHM, J, 1/4W	C141	ECQV1H104JZ	P 0.1UF, J, 50V
R3085	ERDS2TJ103	C 10KOHM, J, 1/4W	C142	ECEA1CU470	E 47UF, 16V
R3086	ERDS2TJ102	C 1KOHM, J, 1/4W	C143	ECKF1H103ZF	C 0.01UF, Z, 50V
R3087	ERDS2TJ102	C 1KOHM, J, 1/4W	C145	ECQB1H473JF	P 0.047UF, J, 50V
R3089	ERDS2TJ331	C 330OHM, J, 1/4W	C147	ECKF1H121KB	C 120PF, K, 50V
R3090	ERDS2TJ102	C 1KOHM, J, 1/4W	C148	ECKF1H103ZF	C 0.01UF, Z, 50V
R3091	ERDS2TJ103	C 10KOHM, J, 1/4W	C150	ECCF1H820J	C 82PF, J, 50V
<b>CAPACITORS</b>					
C101	ECKF1H103ZF	C 0.01UF, Z, 50V	C151	ECEA0JU221	E 220UF, 6.3V
C102	ECEA1CU470	E 47UF, 16V	C155	ECEA1HU330	E 33UF, 50V
C103	ECQV1H334JZ	P 0.33UF, J, 50V	C156	ECQV1H474JZ	P 0.47UF, J, 50V
C104	ECKF1H103ZF	C 0.01UF, Z, 50V	C157	ECQV1H334JZ	P 0.33UF, J, 50V
C105	ECKF1H103ZF	C 0.01UF, Z, 50V	C161	ECEA1CU100	E 10UF, 16V
C106	ECEA1CU471	E 470UF, 16V	C162	ECKF1H103ZF	C 0.01UF, Z, 50V
C107	ECKF1H103ZF	C 0.01UF, Z, 50V	C166	ECKF1H103ZF	C 0.01UF, Z, 50V
C109	ECKF1H103ZF	C 0.01UF, Z, 50V	C167	ECEA0JU471	E 470UF, 6.3V
C110	ECKF1H103ZF	C 0.01UF, Z, 50V	C168	ECQV1H273JZ	P 0.027UF, J, 50V
C111	ECEA1CFS470	E 47UF, 16V	C169	ECEA1CN100S	E 10UF, 16V
C112	ECEA1HFS3R3	E 3.3UF, 50V	C203	ECCF1H151J	C 150PF, J, 50V
C113	ECEA1HFSR47	E 0.47UF, 50V	C212	ECCF1H180JC	C 18PF, J, 50V
C114	ECEA1HN010S	E 1UF, 50V	C240	ECCF1H121JP	C 120PF, J, 50V
			C250	ECCF1H560J	C 56PF, J, 50V

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C302	ECKF1H103ZF	C 0.01UF, Z, 50V	C516	ECQB1H682KF	P 6800PF, K, 50V
C303	ECEA1HUR33	E 0.33UF, 50V	C517	ECKD3D221JBN	C 220PF, J, 2KV
C304	ECEA1CN330S	E 33UF, 16V	C518	ECQM4223JZ	P 0.022UF, J, 400V
C305	ECEA1HU4R7	E 4.7UF, 50V	C519	ECEA2CNR47S	E 0.47UF, 160V
C319	ECEA1CN470S	E 47UF, 16V	C520	ECEA2EU100	E 10UF, 250V
C350	ECCF1H331J	C 330PF, J, 50V	C521	ECKD2H821KB2	C 820PF, K, 500V
C351	ECCF1H391J	C 390PF, J, 50V	C522	ECWF2H474JNY	P 0.47UF, J, 200V
C352	ECCF1H391J	C 390PF, J, 50V	C524	ECQM4822JZ	P 8200PF, J, 400V MTV
C353	ECCF1H391J	C 390PF, J, 50V	C525	ECKDHT122KB	C 1200PF,
C354	ECKD3D821KBN	C 820PF, K, 2KV	C526	ECEA1JGE100	E 10UF, 63V
C356	ECKD2H103PU	C 0.01UF, P, 500V	C527	ECKDHT122KB	C 1200PF,
C410	ECQB1H153KF	P 0.015UF, K, 50V	C529	ECQB1H103JF	P 0.01UF, 50V
C411	ECKF1H103ZF	C 0.01UF, Z, 50V	C530	ECQE2474KS	P 0.47UF, K, 250V
C438	ECEA1CGE471	E 470UF, 16V	C535	ECKD2H821KB2	C 820PF, K, 500V
C439	ECQB1H183JF	P 0.018UF, J, 50V MTV	C538	ECQB1H333KF	P 0.033UF, K, 50V
C440	ECSF1EE225	T 2.2UF, 25V	C539	ECKD3D222JBP	C 2200PF, J, 2KV MTV
C441	ECSF1EE105V	T 1UF, 25V MTV	C550	ECEA1HU2R2	E 2.2UF, 50V
C442	ECEA1CGE471	E 470UF, 16V	C551	ECEA1HU100	E 10UF, 50V
C452	ECEA1AGE330	E 33UF, 10V	C581	ECKD2H331KB2	C 330PF, K, 500V
C454	ECKD2H122KB2	C 1200PF, K, 500V	C582	ECEA1VU101	E 100UF, 35V
C455	ECKF1H102KB	C 1000PF, K, 50V	C593	ECEA1HU220	E 22UF, 50V
C456	ECQV1H224JZ	P 0.22UF, J, 50V	C602	ECKF1H103ZF	C 0.01UF, Z, 50V
C457	ECQV1224JZ3	P 0.22UF, 100V MTV	C603	ECEA1AU220	E 22UF, 10V
C458	ECEA1VGE101	E 100UF, 35V	C606	ECKF1H103ZF	C 0.01UF, Z, 50V
C459	ECEA1VGE102	E 1000UF, 35V	C607	ECKF1H103ZF	C 0.01UF, Z, 50V
C460	ECQB1473KF3	P 0.047UF, K, 100V MTV	C608	ECKF1H103ZF	C 0.01UF, Z, 50V
C461	ECEA1VGE222	E 2200UF, 35V	C609	ECKF1H103ZF	C 0.01UF, Z, 50V
C462	ECEA1HGE4R7	E 4.7UF, 50V	C610	ECEA0JN330S	E 33UF, 6.3V
C501	ECKD3D272JBP	C 2700PF, J, 2KV MTV	C615	ECKF1H103ZF	C 0.01UF, Z, 50V
C502	ECQB1H223JF	P 0.022UF, J, 50V	C616	ECKF1H103ZF	C 0.01UF, Z, 50V
C503	ECCF1H221JU	C 220PF, J, 50V	C619	ECCF1H100DC	C 10PF, D, 50V
C505	ECEA1HU010	E 1UF, 50V	C620	ECQB1H563JF	P 0.056UF, J, 50V
C506	ECQB1H183KF	P 0.018UF, K, 50V	C621	ECCF1H150JC	C 15PF, J, 50V
C507	ECEA1HGE010	E 1UF, 50V	C622	ECEA1HU4R7	E 4.7UF, 50V
C508	ECEA1AGE221	E 220UF, 10V	C623	ECEA1HU2R2	E 2.2UF, 50V
C509	ECKD3D681JBP	C 680PF, J, 2KV MTV	C624	ECEA1CU101	E 100UF, 16V
C510	ECQB1H473JF	P 0.047UF, J, 50V	C625	ECKF1H103ZF	C 0.01UF, Z, 50V
C511	ECWH12H682JY	P 6800PF, J, 1.2KV MTV	C627	ECEA0JN330S	E 33UF, 6.3V
C512	ECKD3D821JBN	C 820PF, J, 2KV	C636	ECKF1H472KB	C 4700PF, K, 50V
C513	ECEA1VGE471	E 470UF, 35V	C637	ECCF1H330J	C 33PF, J, 50V
C514	ECKDHT471KB	C 470PF,	C638	ECCF1H330J	C 33PF, J, 50V
C515	ECKD3D102JBN	C 1000PF, J, 2KV	C639	ECCF1H330J	C 33PF, J, 50V

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C640	ECKF1H103ZF	C 0.01UF, Z, 50V	C820	ECEA1VGE221	E 220UF, 35VMTV
C641	ECQV1H104JZ	P 0.1UF, J, 50V	C821	ECKD3A182KBN	C 1800PF, K, 1KV MTV
C642	ECEA1CU101	E 100UF, 16V	C822	ECKD2H101KB2	C 100PF, K, 500V
C643	ECKF1H103ZF	C 0.01UF, Z, 50V	C823	ECKD2H122KB2	C 1200PF, K, 500V
C644	ECKF1H103ZF	C 0.01UF, Z, 50V	C824	ECKD2H221KB2	C 220PF, K, 500V
C645	ECQV1H474JZ	P 0.47UF, J, 50V	C825	ECKCNS152MEJ	C 1500PF, M, MTV
C646	ECEA1CU101	E 100UF, 16V	C826	ECEA0JGE101	E 100UF, 6.3V MTV
C647	ECCF1H102J	C 1000PF, J, 50V	C827	ECEA1EGE101	E 100UF, 25V
C648	ECKF1H103ZF	C 0.01UF, Z, 50V	C828	ECEA1CGE102	E 1000UF, 16V
C649	ECEA1HU010	E 1UF, 50V	C829	ECEA1CGE101	E 100UF, 16V
C651	ECKF1H103ZF	C 0.01UF, Z, 50V	C830	ECEA0JGE102	E 1000UF, 6.3V MTV
C653	ECCF1H560JT	C 56PF, J, 50V MTV	C831	ECKD2H152KB2	C 1500PF, K, 500V
C654	ECQV1H104JZ	P 0.1UF, J, 50V	C832	ECEA2AGE100	E 10UF, 100V
C655	ECQV1H104JZ	P 0.1UF, J, 50V	C834	ECKD3D102JBN	C 1000PF, J, 2KV
C656	ECCF1H271JC	C 270PF, J, 50V	C835	ECEA2AGE100	E 10UF, 100V
C657	ECEA1HUR33	E 0.33UF, 50V	C836	ECEA1VU101	E 100UF, 35V
C658	ECCF1H330JC	C 33PF, J, 50V	C837	ECKD2H122KB2	C 1200PF, K, 500V
C659	ECKF1H561KB	C 560PF, K, 50V	C838	ECKD2H103PU	C 0.01UF, P, 500V
C665	ECCF1H330JC	C 33PF, J, 50V	C839	ECKD3D391KBP	C 390PF, K, 2KV MTV
C667	ECCF1H331JP	C 330PF, J, 50V	C840	ECQV1H224JZ	P 0.22UF, J, 50V
C668	ECEA0JU101	E 100UF, 6.3V	C841	ECQV1H473JZ	P 0.047UF, J, 50V
C669	ECKF1H103ZF	C 0.01UF, Z, 50V	C843	ECQV1H105JZ	P 1UF, J, 50V
C671	ECKF1H561KB	C 560PF, K, 50V	C844	ECKD3A102KBN	C 100PF, K, 1KV
C673	ECCF1H151JC	C 150PF, J, 50V	C845	ECKDNS471MBJ	C 470PF, M,
C674	ECCF1H221JC	C 220PF, J, 50V	C847	ECKD2H821KB2	C 820PF, K, 500V
C690	ECEA1HN2R2S	E 2.2UF, 50V	C1101	ECCF1H820J	C 82PF, J, 50V
C701	ECEA1HW4R7S	E 4.7UF, 50V	C1102	ECKF1H103ZF	C 0.01UF, Z, 50V
C733	ECQV1H224JZ	P 0.22UF, J, 50V	C1103	ECKF1H103ZF	C 0.01UF, Z, 50V
C801	ECKDNS471MBJ	C 470PF, M,	C1104	ECKF1H561KB	C 560PF, K, 50V
C802	ECQU2A473MN	P 0.047UF, M, 250V	C1105	ECCF1H330JP	C 33PF, J, 50V
C803	ECQU2A683MN	P 0.068UF, M, 250V	C1106	ECCF1H330JP	C 33PF, J, 50V
C805	ECKD2H472PU	C 4700PF, P, 500V	C1107	ECEA0JU101	E 100UF, 6.3V
C806	ECKD2H472PU	C 4700PF, P, 500V	C1108	ECKF1H101KB	C 100PF, K, 50V
C807	ECKD2H472PU	C 4700PF, P, 500V	C1118	ECKF1H101KB	C 100PF, K, 50V
C808	ECKD2H472PU	C 4700PF, P, 500V	C1119	ECEA0JU101	E 100UF, 6.3V
C809	ECOS2GP471DB	E 470UF, 400V	C1121	ECEA1HU2R2	E 2.2UF, 50V
C810	ECKD3D152KBP	C 1500PF, K, 2KV MTV	C1124	ECKF1H101KB	C 100PF, K, 50V
C812	ECA1EFQ221	E 220UF, 25V	C1126	ECKF1H103ZF	C 0.01UF, Z, 50V
C815	ECOS2DG221E	E 220UF, 200V	C1127	ECEA1CU100	E 10UF, 16V
C816	ECEA1EGE102	E 1000UF, 25V	C1128	ECKF1H101KB	C 100PF, K, 50V
C817	ECOS2DG221E	E 220UF, 200V	C1129	ECKF1H103ZF	C 0.01UF, Z, 50V
C818	ECEA1EGE470	E 47UF, 25V	C1130	ECEA0JU222	E 2200UF, 6.3V
C819	ECA1EFQ102	E 1000UF, 25V	C1134	ECKF1H221KB	C 220PF, K, 50V

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C1135	ECEA0JGE471	E 470UF, 6.3V MTV	C2326	ECKF1H103ZF	C 0.01UF, Z, 50V
C1136	ECCF1H101J	C 100PF, J, 50V	C2327	ECEA1CU100	E 10UF, 16V
C1137	ECQB1H223KF	P 0.022UF, K, 50V	C2328	ECQB1H473KF	P 0.047UF, K, 50V
C1144	ECEA1CU220	E 22UF, 16V	C2329	ECKF1H223ZF	C 0.022UF, Z, 50V
C1145	ECKF1H103ZF	C 0.01UF, Z, 50V	C2330	ECKF1H223ZF	C 0.022UF, Z, 50V
C1163	ECKF1H103ZF	C 0.01UF, Z, 50V	C2331	ECEA1HUR33	E 0.33UF, 50V
C1166	ECEA1CU100	E 10UF, 16V	C2332	ECEA1HUR33	E 0.33UF, 50V
C1167	ECEA1EU4R7	E 4.7UF, 25V	C2333	ECEA1HU010	E 1UF, 50V
C1172	ECKF1H103ZF	C 0.01UF, Z, 50V	C2334	ECEA1EN470S	E 47UF, 25V
C1176	ECKF1H101KB	C 100PF, K, 50V	C2335	ECEA1HU010	E 1UF, 50V
C1177	ECKF1H681KB	C 680PF, K, 50V	C2336	ECEA1EGE102	E 1000UF, 25V
C1178	ECCF1H101JC	C 100PF, J, 50V	C2338	ECEA1HU101	E 100UF, 50V
C1179	ECCF1H101J	C 100PF, J, 50V	C2339	ECEA1HU010	E 1UF, 50V
C1180	ECKF1H151KB	C 150PF, K, 50V	C2340	ECEA1CU100	E 10UF, 16V
C1201	ECEA0JKS470	E 47UF, 6.3V	C2341	ECEA1CU100	E 10UF, 16V
C1202	ECEA1HKS010	E 1UF, 50V	C2342	ECKF1H103ZF	C 0.01UF, Z, 50V
C1203	ECKF1H103ZF	C 0.01UF, Z, 50V	C2343	ECQB1H473KF	P 0.047UF, K, 50V
C1204	ECCF1H561J	C 560PF, J, 50V	C2344	ECQB1H473KF	P 0.047UF, K, 50V
C2301	ECEA1HN2R2S	E 2.2UF, 50V	C2345	ECEA1HU100	E 10UF, 50V
C2302	ECEA1HN2R2S	E 2.2UF, 50V	C2346	ECEA1CU100	E 10UF, 16V
C2303	ECEA1CU470	E 47UF, 16V	C2347	ECEA1HN2R2S	E 2.2UF, 50V
C2304	ECEA1HU010	E 1UF, 50V	C2348	ECQB1H473KF	P 0.047UF, K, 50V
C2305	ECQB1H823KF	P 0.082UF, K, 50V	C2349	ECQB1H473KF	P 0.047UF, K, 50V
C2306	ECEA1CU100	E 10UF, 16V	C3001	ECKF1H103ZF	C 0.01UF, Z, 50V
C2307	ECQV1H104JZ	P 0.1UF, J, 50V	C3004	ECEA1HU010	E 1UF, 50V
C2308	ECQB1H222KF	P 2200PF, K, 50V	C3005	ECEA1HU010	E 1UF, 50V
C2309	ECQB1H223KF	P 0.022UF, K, 50V	C3006	ECEA1HN010S	E 1UF, 50V
C2310	ECQB1H223KF	P 0.022UF, K, 50V	C3007	ECEA1HU010	E 1UF, 50V
C2311	ECEA1HN2R2S	E 2.2UF, 50V	C3009	ECEA1HU010	E 1UF, 50V
C2312	ECEA1HN2R2S	E 2.2UF, 50V	C3011	ECEA1CU101	E 100UF, 16V
C2313	ECEA1EGE102	E 1000UF, 25V	C3012	ECEA1CN100S	E 10UF, 16V
C2314	ECEA1HN2R2S	E 2.2UF, 50V	C3013	ECEA1CU220	E 22UF, 16V
C2315	ECEA1CU100	E 10UF, 16V	C3015	ECEA1CU220	E 22UF, 16V
C2316	ECEA1HU100	E 10UF, 50V	C3017	ECKF1H103ZF	C 0.01UF, Z, 50V
C2317	ECEA1EGE102	E 1000UF, 25V	C3018	ECEA1HU010	E 1UF, 50V
C2318	ECEA1CU470	E 47UF, 16V	C3020	ECEA1HU010	E 1UF, 50V
C2319	ECEA1CU100	E 10UF, 16V	C3021	ECEA1CU101	E 100UF, 16V
C2320	ECEA1HU101	E 100UF, 50V	C3022	ECEA1AU471	E 470UF, 10V
C2321	ECEA1HU101	E 100UF, 50V	C3023	ECEA1HN010S	E 1UF, 50V
C2322	ECEA1HU101	E 100UF, 50V	C3024	ECKF1H103ZF	C 0.01UF, Z, 50V
C2323	ECEA1EN470S	E 47UF, 25V	C3037	ECEA1HU010	E 1UF, 50V
C2324	ECKF1H103ZF	C 0.01UF, Z, 50V	C3061	ECCF1H560JC	C 56PF, J, 50V
C2325	ECQB1H473KF	P 0.047UF, K, 50V	C3062	ECKF1H103ZF	C 0.01UF, Z, 50V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C3069	ECKF1H471KB	C 470PF, K, 50V	L635	EIK7ES014B	I.F. TRANSFORMER MTV
C3070	ECEA1CU100	E 10UF, 16V	L641	TLTABT100K	PEAKING COIL 10U
C3071	ECEA1CN470S	E 47UF, 16V	L642	TLTABT100K	PEAKING COIL 10U
C3084	ECKF1H103ZF	C 0.01UF, Z, 50V	L643	TLTABT100K	PEAKING COIL 10U
C3085	ECKF1H103ZF	C 0.01UF, Z, 50V	L655	EFDEN645A11G	DELAY LINE
C3086	ECKF1H101KB	C 100PF, K, 50V	L658	TLTACC100K	PEAKING COIL 10U
C3111	ECKF1H102KB	C 1000PF, K, 50V	L667	TLTACC121K	PEAKING COIL
C3112	ECKF1H102KB	C 1000PF, K, 50V	L701	TLH13711	CHOKE COIL
C3113	ECKF1H102KB	C 1000PF, K, 50V	L801	ELF18D850H	LINE FILTER MTV $\Delta$
C3114	ECKF1H102KB	C 1000PF, K, 50V	L802	ELF18D850H	LINE FILTER MTV $\Delta$
C3117	ECKF1H102KB	C 1000PF, K, 50V	L803	TSC930-4	CHOKE COIL
C3118	ECKF1H102KB	C 1000PF, K, 50V	L804	EXCELSA35T	BEADS CORE MTV
<b>COILS</b>			L805	TSC930-4	CHOKE COIL
L101	EIV7ES005B	TUNING COIL	L806	TSC930-4	CHOKE COIL
L103	TLTACC8R2K	PEAKING COIL 8.2U	L807	TSC930-4	CHOKE COIL
L104	TLTACC8R2K	PEAKING COIL 8.2U	L808	EXCELSA35T	BEADS CORE MTV
L105	EIV7EN034B	COIL	L809	EXCELSA35T	BEADS CORE MTV
L106	EIV7EN150B	COIL	L810	EXCELSA35T	BEADS CORE MTV
L107	TLTACC151K	PEAKING COIL	L812	TSC930-4	CHOKE COIL
L109	EIV7EN175B	COIL	L818	TLP15154Q	COIL MTV
L110	TLTACC121K	PEAKING COIL	L819	EXCELSA35T	BEADS CORE MTV
L112	TLTACC8R2K	PEAKING COIL 8.2U	L820	EXCELSA35T	BEADS CORE MTV
L123	TLTACC121K	PEAKING COIL	L821	EXCELSA35T	BEADS CORE MTV
L130	EIV7ES004B	IF TRANS	L822	T8RHB-H820K	COIL MTV
L132	TLI157051	FILTER	L823	TSC930-4	CHOKE COIL
L140	TLTACC180K	PEAKING COIL 18U	L1101	TLTABT100K	PEAKING COIL 10U
L141	TLTACC100K	PEAKING COIL 10U	L1102	TLTABT100K	PEAKING COIL 10U
L142	TLTACC180K	PEAKING COIL 18U	L1103	TLTABT100K	PEAKING COIL 10U
L143	TLTACC180K	PEAKING COIL 18U	L1104	TLTABT100K	PEAKING COIL 10U
L202	EIS7ES002B	COIL	L1105	TLTABT100K	PEAKING COIL 10U
L203	TLTACC100K	PEAKING COIL 10U	L1106	EXCELSA35T	BEADS CORE MTV
L303	ELB4L161B	COIL	L1107	EXCELSA35T	BEADS CORE MTV
L436	TLTACC101K	PEAKING COIL 100U	L1108	TSC930-4	CHOKE COIL
L501	EXCELSA35T	BEADS CORE MTV	L1109	EXCELSA35T	BEADS CORE MTV
L502	ELH5L7004	COIL	L1110	TSK1002	COIL
L504	ELC08D055	COIL	L1111	TLTABT100K	PEAKING COIL 10U
L505	EXCELSA35T	BEADS CORE MTV	L1112	TLTABT100K	PEAKING COIL 10U
L506	EXCELSA35T	BEADS CORE MTV	L1113	TSC937	CHOKE COIL
L511	TSK1002	COIL	L1114	TLTABT100K	PEAKING COIL 10U
L512	TSK1002	COIL	L1115	TLTABT100K	PEAKING COIL 10U
L603	EIK7ES002B	COIL	L1127	TLTACC101K	PEAKING COIL 100U
L617	TLTACC100K	PEAKING COIL 10U	L1143	EXCELSA35T	BEADS CORE MTV
L634	EIK7ES007B	COIL	L1144	EXCELSA35T	BEADS CORE MTV

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Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
L3021	EXCELD25V	CORE	D811	RU3YX-M	DIODE
LC101	ELB5A024	COIL	D812	MA182	DIODE
LC602	TAXSAB4250	FILTER MTV	D817	D4SB80Z	DIODE
LC670	ELB4K133B	COIL MTV	D818	MA162	DIODE
LC671	TLK160887E	LC FILTER	D819	MA4100M	DIODE
LC3072	ELB4L124B	COIL	D820	MA4360L	DIODE
<b>TRANSFORMERS</b>			D822	MA182	DIODE
T501	TLF4G502F	FLYBACK TRANS. MTV $\Delta$	D824	MA4062H	ZENER DIODE
T502	ETH19Y70AY	H DRIVE TRANS. $\Delta$	D825	TVSEU1	DIODE
T801	ETS42AE126NC	SWITCHING TRANS	D826	TVSEG01A	DIODE
<b>DIODES</b>			D827	TVSEG01A	DIODE
D141	MA162	DIODE	D829	MA182	DIODE
D152	MA4051M	DIODE	D831	EG01	DIODE
D202	MA165	DIODE	D832	TVSEG01A	DIODE
D203	MA165	DIODE	D834	TVSEU1Z	DIODE
D412	MA165	DIODE	D1111	LN21RPHCF2	LED MTV
D432	MA29WA	DIODE	D1112	MA165	DIODE
D433	MA29WA	DIODE	D1117	MA4036H	DIODE
D434	MA4051M	DIODE	D1120	MA4068M	DIODE
D461	ERA15-01	DIODE	D1121	MA4068M	DIODE
D462	MA4360M	DIODE	D1132	MA4082H	DIODE
D502	MA4360L	DIODE	D1176	MA165	DIODE
D503	MA167	DIODE	D1201	PH310	DIODE MTV
D504	TVSEU2	DIODE	D2303	MA165	DIODE
D506	RU4AMLF-M1	DIODE MTV	D3037	MA4180M	DIODE
D507	ERD07-15	DIODE	D3038	MA4180M	DIODE
D508	TVSEU2	DIODE	<b>INTEGRATED CIRCUIT</b>		
D509	TVSEU2	DIODE	IC101	AN5179K	LINEAR IC
D522	MA4108J	DIODE	IC102	TVSUPD4066BC	C-MOS LOGIC IC
D523	MA171	DIODE	IC104	AN5071	LINEAR IC
D531	TVSEU2	DIODE	IC105	TVSUPD4066BC	C-MOS LOGIC IC
D634	MA165	DIODE	IC201	M52317SP	LINEAR IC MTV
D635	MA1062M	DIODE	IC402	TA8859P	IC
D701	MA165	DIODE	IC451	TA8427K	LINEAR IC
D702	MA165	DIODE	IC601	AN5607K	LINEAR IC
D801	TRPW5B0N120D	POSISTOR MTV	IC602	AN5636K	LINEAR IC MTV
D803	TLP621GR-LF2	PHOTO COUPLER	IC802	STR-S6708	LINEAR IC
D804	MA4160M	DIODE	IC803	SE140N	IC
D806	ENC621D-10A	RESISTOR MODUL MTV	IC804	AN78M05LB	LINEAR IC
D807	RU4AMLF-M1	DIODE MTV	IC805	UPC2412HF	IC MTV
D808	TVSRU1	DIODE	IC806	AN7809	LINEAR IC
D809	RU3YX-M	DIODE	IC807	AN7805	LINEAR IC
D810	MA171	DIODE			

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Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
IC1102	MN152810TTZ	MOS IC	MTV	Q1112	UN4212	TRANSISTOR
IC1104	24C01AIPB21	IC	MTV	Q1113	UN4212	TRANSISTOR
IC1106	MN1280R	IC (MOS IC)		Q1136	2SC1685-R	TRANSISTOR
IC1201	UPC2801AHA	IC	MTV	Q1160	2SC1685-R	TRANSISTOR
IC2301	UPC1891ACY	IC		Q2301	2SC1685-R	TRANSISTOR
IC2302	CXA1279AS	IC		Q2302	2SC1685-R	TRANSISTOR
IC2303	AN7169	LINEAR IC		Q2303	2SA564AR	TRANSISTOR
IC2306	TVSM5218L	LINEAR IC		Q3001	2SC1685-R	TRANSISTOR
IC3001	AN5858K	LINEAR IC		Q3006	2SC1685-R	TRANSISTOR
<b>TRANSISTORS</b>				Q3015	2SC1685-R	TRANSISTOR
Q101	2SC2188	TRANSISTOR		Q3016	2SC1685-R	TRANSISTOR
Q102	2SC1685-R	TRANSISTOR		Q3024	2SC1685-R	TRANSISTOR
Q103	2SC1685-R	TRANSISTOR		Q3061	2SC1685-R	TRANSISTOR
Q105	2SC2058S	TRANSISTOR		Q3062	2SC1685-R	TRANSISTOR
Q108	UN4212	TRANSISTOR		Q3071	2SC1685-R	TRANSISTOR
Q110	2SC2058S	TRANSISTOR		Q3072	2SC1685-R	TRANSISTOR
Q115	2SA564AR	TRANSISTOR		Q3084	2SC1685-R	TRANSISTOR
Q116	UN4214	TRANSISTOR		<b>OTHERS</b>		
Q117	2SC1685-R	TRANSISTOR		AE.	TJS118590	2P CONNECTOR
Q168	2SC1685-R	TRANSISTOR		AR.1	TJS6A9760	CONNECTOR
Q301	2SC1685-R	TRANSISTOR		AR.1	TJS6A9770	CONNECTOR
Q302	2SC1685-R	TRANSISTOR		B.4	TJS118590	2P CONNECTOR
Q351	2SC2258	TRANSISTOR		E.22	TJS118610	4P CONNECTOR
Q352	2SC2258	TRANSISTOR		E.32	TJS118620	5P CONNECTOR
Q354	2SC2258	TRANSISTOR		E.33	TJS118610	4P CONNECTOR
Q451	2SA564AR	TRANSISTOR		E.82	TJS5A9830	8P CONNECTOR
Q501	2SD1556	TRANSISTOR		E.83	TJS5A9830	8P CONNECTOR
Q502	2SC4212H	TRANSISTOR	MTV	F801	XBA2C31TR0	FUSE 250V 3.15A
Q503	2SA564AR	TRANSISTOR		F-801	TJC6320	FUSE HOLDER, SMALL
Q511	2SC1685-R	TRANSISTOR		P.82	TJS5A9840	8P CONNECTOR
Q655	2SC1685-R	TRANSISTOR		P.83	TJS5A9840	8P CONNECTOR
Q670	2SA564AR	TRANSISTOR		R.1	TJS5A9900	6P CONNECTOR
Q691	2SC1685-R	TRANSISTOR		S451	EVQRAAL10	SWITCH
Q705	2SA564AR	TRANSISTOR		S801	ESB99902S	SWITCH
Q706	2SD1266A	TRANSISTOR		S1101	EVQ-PBD05	SWITCH <span style="float: right;">MTV</span>
Q707	2SA1309A	TRANSISTOR		S1102	EVQQKH06K	SWITCH
Q802	2SB1438	TRANSISTOR	MTV	S1103	EVQQKH06K	SWITCH
Q803	2SC1473	TRANSISTOR		S1104	EVQQKH06K	SWITCH
Q804	2SC1984LF-4	TRANSISTOR	MTV	S1108	EVQQKH06K	SWITCH
Q806	2SA564AR	TRANSISTOR		S1109	EVQQKH06K	SWITCH
Q807	TF361MA	SAW FILTER	MTV	S1110	EVQQKH06K	SWITCH
Q1101	2SC1685-R	TRANSISTOR		S1111	EVQQKH06K	SWITCH
Q1111	2SC1685-R	TRANSISTOR		S1112	EVQQKH06K	SWITCH

