

# TEAC

## SERVICE MANUAL

---

# CTM4895

## 20'' CTV

---

# SERVICE MANUAL

## 14" / 20" / 21" SOLID STATE Color Television Receiver

ART-TECH. TV.

( PAL / SECAM VERSION )  
PHILIPS IC

This manual is the latest at the time of printing, and does not include the modification which may be made after the printing, by the constant improvement of product.

Document : SM - 06PM

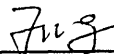
Date : 19 JUL 1996

Approved by : 

( Sunny Cheung )

Checked by : 

( Pak Fung Pan )



( Fung Pong Hin )

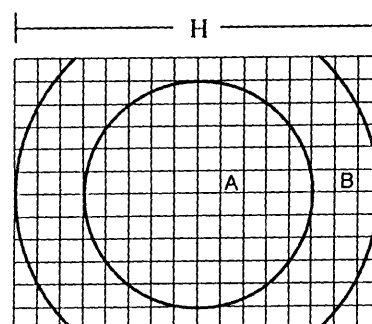
## SPECIFICATION

SUPPLY VOLTAGE : AC220V 50Hz  $\geq + 10\% / -20\%$

MODEL : 14"

SYSTEM :	PAL - I / I	PAL - BG	PAL - I (UK)	PAL - SECAM - BG / DK	PAL - SECAM - BG / DK (HYPER)	PAL - BG (HYPER)	PAL - BG (CATV)	SECAM - L	L'	
CHANNEL L - VHF : H - VHF : UHF :	4 - 13 21 - 69	2 - 4 5 - 12 21 - 69	21 - 69	1 - 5 6 - 12 21 - 69	1 - 5 6 - 12 21 - 69	E2 - S10 E5 - S41 E21 - E69	E2 - S2 E5 - S20 E21 - E69	1 - Q 21 - 69	FB - FC	CH CH CH
VIF FREQUENCY :	38.9	38.9	39.5	38.0	38.9	38.9	38.9	38.9	32.7	MHz
SIF FREQUENCY :	32.9	33.4	33.5	31.5 32.5	32.4 33.4	33.4	33.4	32.4	39.2	MHz
CHROMA IF FREQUENCY :	34.47	34.47	35.07	33.57 33.57	34.47 34.47	34.47	34.47	34.47		MHz
INTER-CARRIER FREQUENCY :	6.0	5.5	6	6.5 5.5	6.5 5.5	5.5	5.5	6.5	6.5	MHz
SCANNING HORIZONTAL : VERTICAL :	15625 LINE 50 Hz									
ANTENNA INPUT IMPEDANCE :	75 OHM									
CRT :	14"									

<u>ITEMS OF MEASUREMENT</u>	<u>STANDARD</u>	<u>UNIT</u>
VIDEO SENS. AT S/N 30db L - VHF	$\leq 57$	dbuv
H - VHF	$\leq 57$	dbuv
UHF	$\leq 60$	dbuv
SOUND SENS. AT S/N 30db L - VHF	$\leq 42$	dbuv
H - VHF	$\leq 42$	dbuv
UHF	$\leq 48$	dbuv
AGC CHARACTER	$\geq 60$	db
SELECTIVITY -1.5 MHz	$\geq 35$	db
+ 8 MHz	$\geq 40$	db
COLOR SENS.	$\leq 45$	dbuv
COLOR LOCK - IN RANGE	$\geq \pm 300$	Hz
VERTICAL LOCK - IN RANGE	$\geq 6$	Hz
HORIZONTAL LOCK - IN RANGE	$\geq 400$	Hz
MAX BRIGHTNESS	$\geq 140$	cd / m <sup>2</sup>
MAX OUTPUT POWER	$\geq 1$	W
OUTPUT POWER AT 10% THD	$\geq 0.7$	W
BUZZ	$\leq -40$	db
AFC RANGE	$\geq +1$	MHz
	$\geq -0.5$	MHz
MIN. VOL HUM	$\leq 20$	mV
RESOLUTION HORIZONTAL	$\geq 300$	LINES
VERTICAL	$\geq 400$	LINES
LINEARITY DISTORTION VERTICAL	$\leq 10$	%
HORIZONTAL	$\leq 10$	%
RASTER DISTORTION	$\leq 5$	%
REMOTE CONTROL DISTANCE	$\geq 5$	METER
ANGLE	$\geq \pm 15$	DEGREE
POWER CONSUMPTION (AT NORMAL CONDITION)	$\leq 60$	WATTS
POWER CONSUMPTION (AT MAX. CONDITION)	$\leq 70$	WATTS
CONVERGENCE DISLOCATION AT AREA "A"	$\leq 0.4$	%
AREA "B"	$\leq 0.8$	%
(see fig.1)		



VIDEO INPUT LEVEL : 1.0V P-P  $\pm$  3dB  
 AUDIO INPUT LEVEL : 0.5V RMS  $\pm$  3dB

Fig.1

## SPECIFICATION

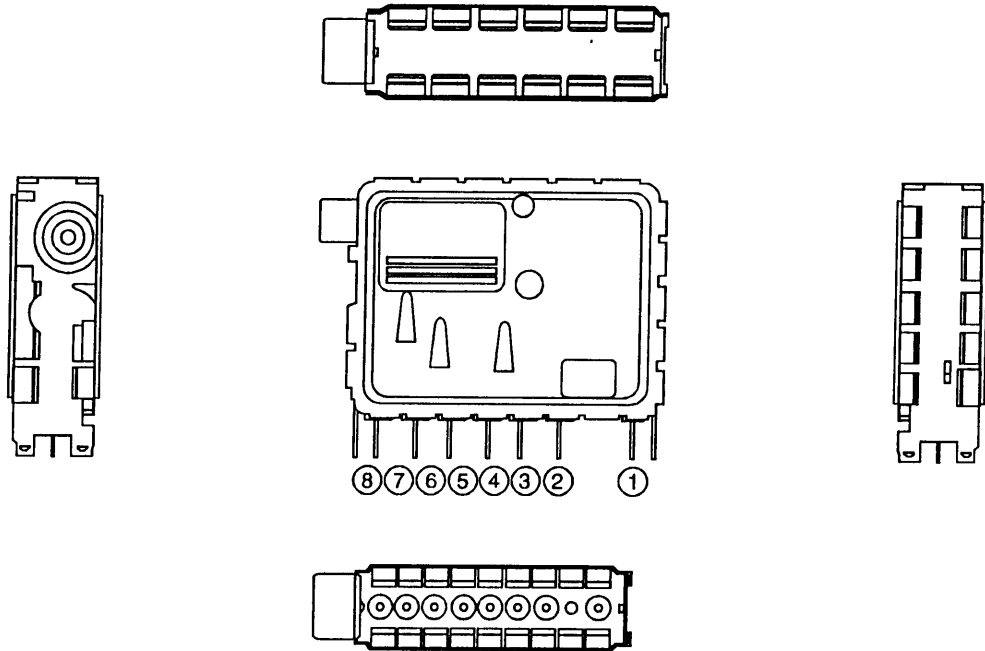
SUPPLY VOLTAGE : AC220V 50Hz  $\geq +10\%$  /  $-20\%$

MODEL : 20" - 21"

SYSTEM :	PAL - I'1	PAL - BG	PAL - I (UK)	PAL - SECAM - BG / DK	PAL - SECAM - BG / DK (HYPER)	PAL - BG (HYPER)	PAL - BG (CATV)	SECAM - L	L'	
CHANNEL L - VHF : H - VHF : UHF :	4 - 13 21 - 69	2 - 4 5 - 12 21 - 69	21 - 69	1 - 5 6 - 12 21 - 69	1 - 5 6 - 12 21 - 69	E2 - S10 E5 - S41 E21 - E69	E2 - S2 E5 - S20 E21 - E69	1 - Q 21 - 69	FB - FC	CH CH CH
VIF FREQUENCY :	38.9	38.9	39.5	38.0	38.9	38.9	38.9	38.9	32.7	MHz
SIF FREQUENCY :	32.9	33.4	33.5	31.5 32.5	32.4 33.4	33.4	33.4	32.4	39.2	MHz
CHROMA IF FREQUENCY :	34.47	34.47	35.07	33.57 33.57	34.47 34.47	34.47	34.47	34.47		MHz
INTER-CARRIER FREQUENCY :	6.0	5.5	6	6.5 5.5	6.5 6.5	5.5	5.5	6.5	6.5	MHz
SCANNING HORIZONTAL : VERTICAL :	15625 LINE 50 Hz									
ANTENNA INPUT IMPEDANCE :	75 OHM									
CRT :	20" - 21"									

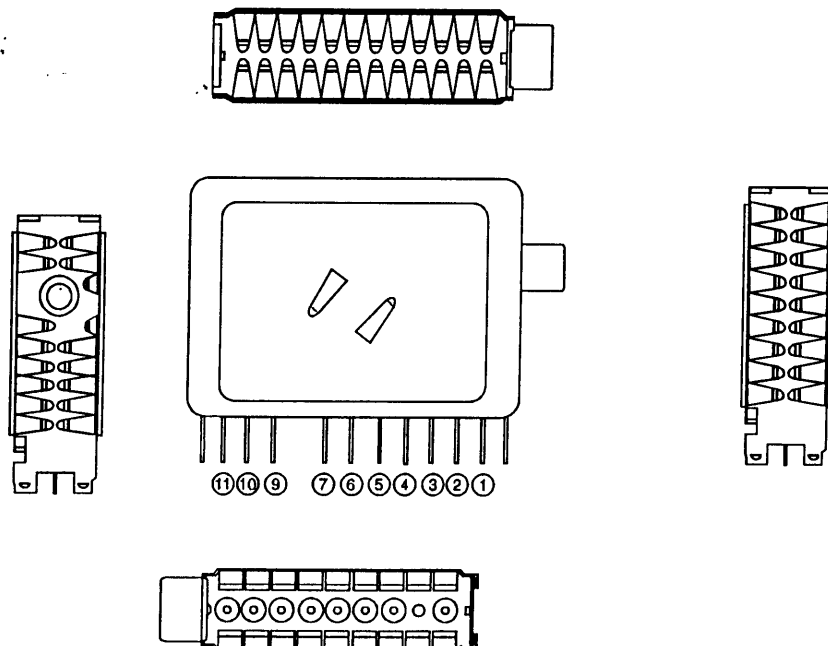
**PICTORIAL VIEW OF TUNER**

TERMINAL NO.	1	2	3	4	5	6	7	8
TERMINAL NAME	IF	B+	AFT	LB	AGC	HB	VT	UB



**PICTORIAL VIEW OF TUNER ( WSP TUNER )**

TERMINAL NO.	1	2	3	4	5	6	7	8	9	10	11
TERMINAL NAME	AGC	VT	BU	BH	BL	B+	-	-	-	IF GND	IF





# ALIGNMENT INSTRUCTION

## I. PLEASE READ BEFORE ATTEMPTING SERVICE

1. Never disconnect any leads while receiver is in operation.
2. Disconnect all power before attempting any repairs.
3. Do not short any portion of the circuit while power is on.
4. For safety reasons, all parts replaced should be identical, (for parts and part numbers see parts list).
5. Before alignment the set must be pre-heated for 30 minutes or more and erase magnetism thoroughly from CRT front chassis frame by erase coil. (Except IF, SYNC, COLOR, SECAM, B+, SOUND)
6. An isolation transformer should be used during any dynamic service to avoid possible shock hazard.

## II. TEST EQUIPMENT

- |   |   |
|---|---|
| 1. VIF Sweep Generator                    | 7. Volt Ohmmeter                        |
| 2. SIF Sweep Generator                    | 8. High Voltage Meter                   |
| 3. Colour Bar, Dot, Cross Hatch Generator | 9. Ampere Meter (0.5 Class, DC 3mA Max) |
| 4. DC Power Supply                        | 10. Demagnetizing Coil                  |
| 5. Oscilloscope                           | 11. Philips Pattern Generator           |
| 6. Vacuum Tube Voltmeter                  | 12. High Pot Tester                     |

## III. VIF ALIGNMENT

### A. Preparation step. ( see fig.3 )

1. Connect Sweep Generator to tuner test point and Ground.
2. Connect 14V  $\pm$ 1V B+ Bias Voltage to C404 (-) and Ground.
3. Connect 14V  $\pm$ 1V B+ Bias Voltage to PIN3 at CN904 and Ground.
4. Connect A.G.C. Bias Voltage to PIN10 at IC102, TP105 the DC supply should be turned off this time.

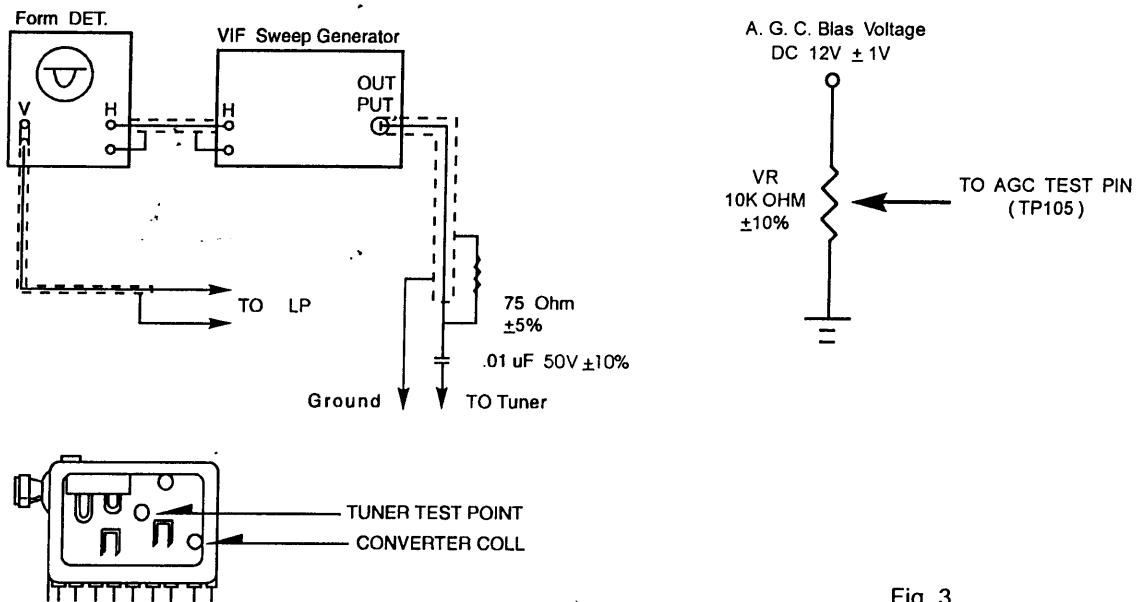


Fig. 3



## B. VIF ALIGNMENT

1. Connect waveform detector to TP102 and Ground.
2. Connect 100ohm  $\pm 5\%$  resistor between TP103 and TP104.
3. Reduce output level of sweep generator to  $-50\text{dB} \pm 20\text{dB}$ .
4. Adjust A.G.C. bias to maintain the waveform achieve  $1\text{V p-p} \pm 10\%$ .
5. Adjust tuner covertor coil to obtain the waveform as Fig.4.
6. If the tuner haven,t converter coil V.I.F. alignment may be omitted.

Remark : All frequency of market point can have  $+0.2\%$  tolerance.  
 (point (CC) and point (PC) can have  $\pm 0.25\text{div}$  tolerance)

SYSTEM	BG / DK, DK / I	I (UK)	I / I, BG BG / DK (W / H.P)
P.C. (MHz)	38.0	39.5	38.9

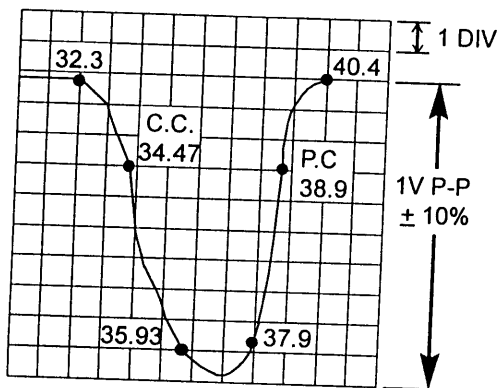


Fig.4

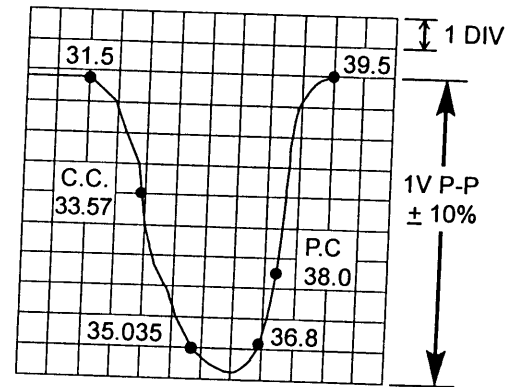


Fig.4

SYSTEM : PAL - I / I  
 PAL - BG  
 PAL - BG / DK  
 (W / HYPER BAND)

SYSTEM : PAL - DK / I

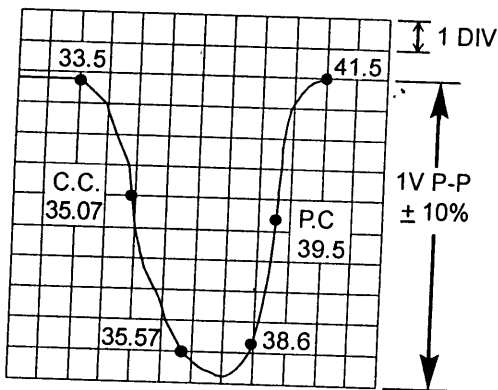


Fig.4

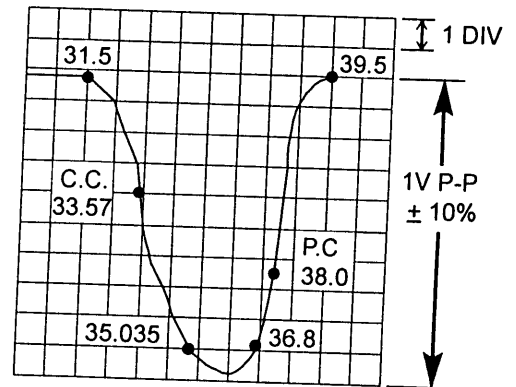


Fig.4

SYSTEM : PAL - I (UK)

SYSTEM : PAL - BG / DK  
 (W / O HYPER BAND)

REMARK : (C.C.) AND (P.C.) CAN HAVE  $\pm 1/4\text{DIV}$  TOLERANCE.

C. TANK COIL ALIGNMENT STEP ( see Fig. 5 )

1. Calibrate the Division of waveform Detector equal to 1V per div.
2. The output of sweep generator should be 40dB  $\pm$ 20dB.
3. Connect the waveform detector between TP106 and ground.
4. Connect the sweep generator to tuner test point and Ground.
5. Connect a 47K  $\pm$ 5% resistor between PIN7 to PIN22 at IC102.
6. Connect a 4K7  $\pm$ 5% resistor between PIN23 to Ground at IC102.
7. Adjust A.G.C. bias until the waveform just saturate.
8. Adjust T101 to obtain the waveform as Fig.5.
9. If the tuner haven't converter coil. Apply PAL I.F. signal (38.9MHz or 39.5mhZ) modulated with a colour bar pattern to tuner I.F. point.

REMARK : All frequency of market point can have  $\pm$ 0.2% tolerance.

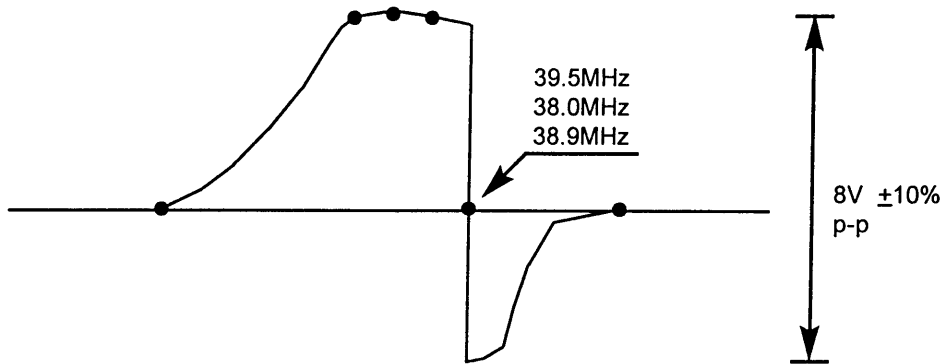


Fig. 5

SYSTEM	DK / I, BG / DK	I (UK)	BG, I / I, BG / DK (W / H.P.)
IF SIGNAL (MHz)	38.0	39.5	38.9

Remark : VIF can have  $\pm$ 0.25V tolerance.

D. SIF ALIGNMENT ( Excluding DK / I )

MIXER ALIGNMENT

1. Connect a 47K  $\pm$ 5% resistor between PIN7 to PIN22 at IC102.
2. Connect a 4K7  $\pm$ 5% resistor between PIN23 to Ground at IC102.
3. Connect the sweep generator to TP102.
4. Connect the circuit as Fig.6 to TP107 and waveform detector.

Remark : All frequency of marker point can have  $\pm$ 0.2% tolerance.

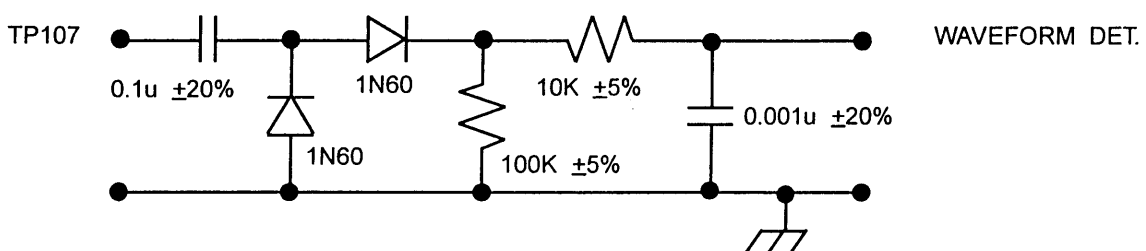
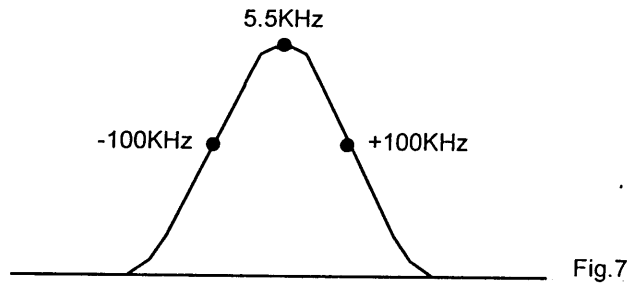


Fig.6

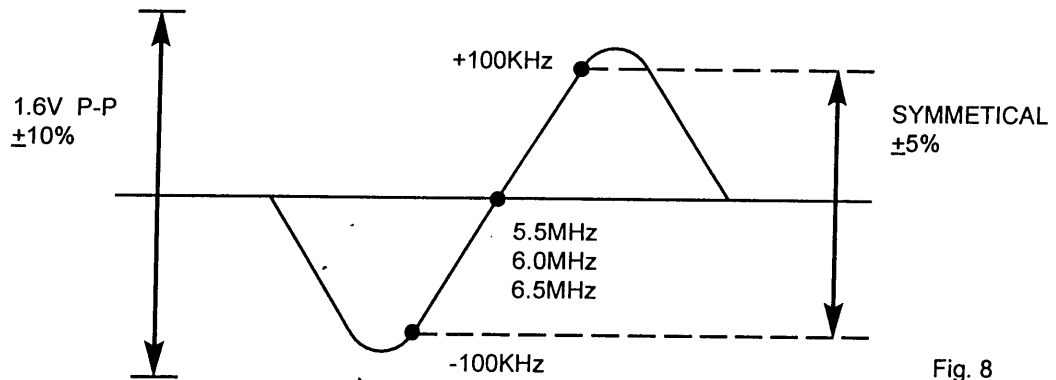
5. Adjust the sweep generator output to obtain a maximum amplitude.
6. Adjust T103 to obtain the waveform as Fig.7



**SIG ALIGNMENT**

1. Connect a 47K  $\pm 5\%$  resistor between PIN7 to PIN22 at IC102.
2. Connect a 4K7  $\pm 5\%$  resistor between PIN23 to Ground at IC102.
3. Connect the sweep generator to TP102.
4. Connect waveform detect to TP101.
5. The output of sweep generator should be -30dB  $\pm 5$ dB.
6. Adjust T104 to obtain the waveform as Fig.8.

Remark : All frequency of marker point can have  $\pm 0.2\%$  tolerance.



SYSTEM	DK / I	BG / DK	I / I	BG	DK
SIF (MHz)	6.0	5.5	6.0	5.5	6.5
	6.5	6.5			

### E. SIF ALIGNMENT (FOR STEREO)

1. Connect the sweep generator to TP105.
2. Connect waveform detect to PIN1 and PIN3 at CN306.
3. Connect A.G.C. Bias voltage to TP101.
4. The output of sweep generator should be  $-30\text{dB} \pm 5\text{dB}$ .
5. Adjust T104 and T102 to obtain the waveform as Fig.9.

Remark : All frequency of marker can have  $\pm 0.2\%$  tolerance.

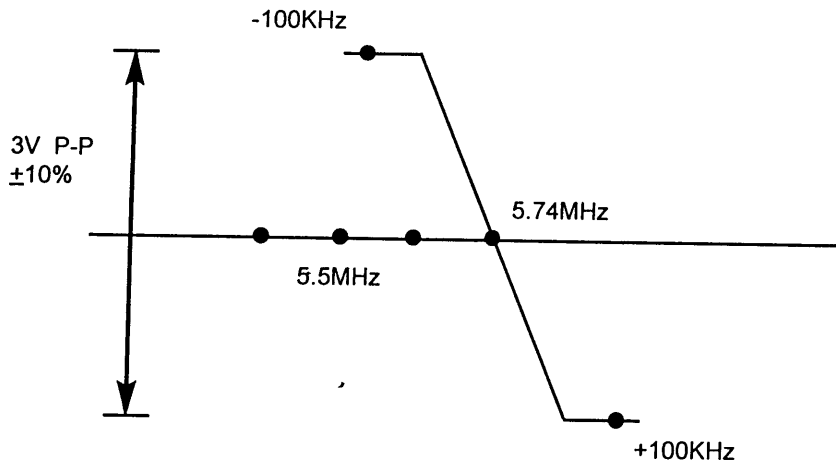
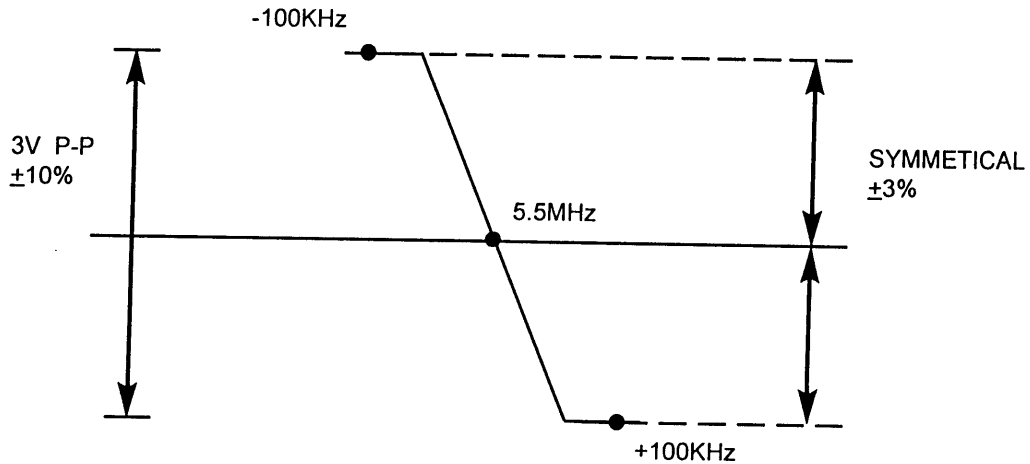


Fig. 9

### F. SOUND TANK COIL ALIGNMENT (FOR STEREO)

1. Connect Philips Pattern Generator to tuner test point and Ground. (Frequency is 38.9MHz color bar input signal is  $80\text{dB} \pm 3\text{dB}$ )
2. Connect Digital multimeter to PIN12 at IC101.
3. Adjust T103 to obtain a DC  $2.8\text{V} \pm 0.1\text{V}$ .

### AFC ALIGNMENT (WHEN IC102 USE TDA8305 FOR PAL - DK / I)

1. Connect Philips Pattern Generator to tuner IF out and Ground. (Frequency is 38MHz color bar)
2. The output of Philips Pattern Generator should be  $80\text{dB} \pm 3\text{dB}$ .
3. Connect Digital multimeter to PIN18 at IC102.
4. Adjust T101 to obtain a DC  $7\text{V} \pm 0.2\text{V}$ .

### G. PAL COLOUR ALIGNMENT

1. Receive Philips Pattern input signal 70dB  $\pm$ 10dB.
2. Connect Oscilloscope to TP305.
3. Set color control to middle position.
4. Adjust T301 and VR302 to obtain the waveform as Fig.10.

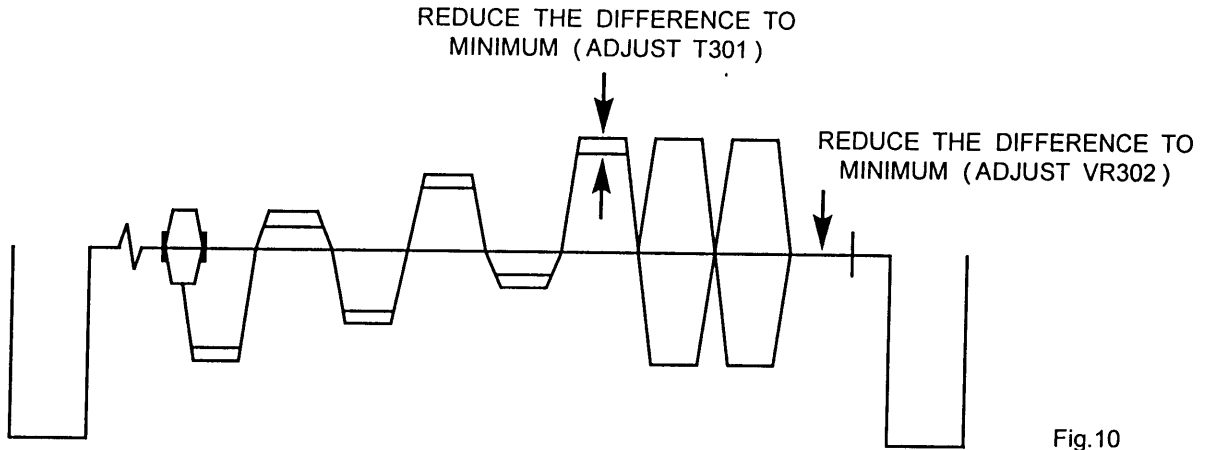


Fig.10

### COLOUR SYNC ADJUSTMENT

1. Receive Philips pattern (input signal is 70dB  $\pm$ 10dB).
2. Connect terminal IC302 PIN17 to GND and the earth with the short jumper wire.
3. Then the color striper appear on the screen when the adjustment is inconnect. Adjust the color sync (CT301) sothat the philips pattern stands till.

### NTSC TINT ALIGNMENT

1. Apply NTSC color bar to AV input.
2. Connect oscilloscope to TP302.
3. Set color control to middle position.
4. Adjust VR304 to obtain the waveform as Fig.11.

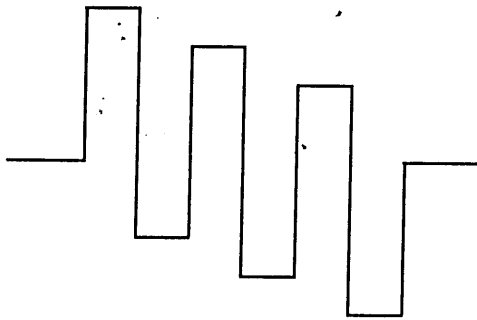


Fig.11

## H. B+ ADJUSTMENT

1. Connect a digital volt meter to TPB+ and ground.
2. Set Brightness, contrast and colour to minimum.
3. Adjust VR901 and obtain a reading of 111V  $\pm$ 1V.

## HORIZONTAL CIRCUIT ADJUSTMENT

1. Receive Monoscope Pattern input signal 70dB  $\pm$ 10dB.
2. Connect terminal 25 pin of IC102 and the ground with the Elect.Cap. 10 / 16  $\pm$ 20%.
3. Adjust VR103 to obtain the picture running at centre.
4. Adjust VR102 to obtain the picture at centre. ( specification show as below Fig.13 )

## VERTICAL CIRCUIT ADJUSTMENT

1. Receive the Monoscope Pattern input signal 70dB  $\pm$ 10dB.
2. Adjust V - size ( VR401 ) to obtain a normal picture.

## WHITE BALANCE ALIGNMENT STEP

( deguss the picture by deguassing coil if necessary )

1. Set the brightness, contrast, Screen and picture control to minimum value.
2. Set VR502, 504 to minimum position ( anti - clockwise ), set VR501, 503, 505 to middle position.
3. Receive a Monoscope or Philips Pattern input signal 70dB  $\pm$ 10dB.
4. Connect a digital meter between Red Gun and Ground on the CRT Board.
5. Adjust VR301 to obtain a CRT cut off voltage. ( 160V  $\pm$ 3V )
6. Adjust screen volume on FBT to brightest bar can just be screen.
7. Receive a black and white pattern input signal 70dB  $\pm$ 10dB or video input 1p-p  $\pm$ 3dB.
8. Set the brightness and contrast to middle position.
9. Adjust VR501, 502, 503, 504, 505 to obtain a uniformly white picture ( 9300°K ) +27M.P.C.D ( X=0.281, Y=0.311 ).

## SUB - BRIGHTNESS ALIGNMENT

1. Receive a Monoscope or Philips Pattern input signal 70dB  $\pm$ 10dB.
2. Set the brightness, contrast and colour to minimum.
3. Adjust VR301 until the brightest bar can just be screen.

## FOCUS ALIGNMENT

1. Set brightness and contrast to middle position.
2. Receive a monoscope pattern input signal 70dB  $\pm$ 10dB.
3. Adjust focus control to obtain sharpest picture.

## A.G.C. ALIGNMENT ( SEE FIG.12 )

1. Receive monoscope pattern at CH69 ( UHF ) and input field strength ( tuner input signal table show as below ).
2. Connect a digital meter between the tuner A.G.C. terminal and ground.
3. Adjust the A.G.C. variable resistor ( VR201 ) to the MAXIMUM position ( clockwise ), and then adjust the VR anti - clockwise until the voltage drop down  $\geq$ 0.4V.

TUNER MODEL NO.	RF INPUT SIGNAL(dB)	TUNER MODEL NO.	RF INPUT SIGNAL(dB)
ENV598B7F2	62±2dB	OSCAR 2900KKC	60±2dB
UVC6201-RC	57±2dB	HBC3300KHC	60±2dB
UVC8303-RW	57±2dB	TBD1CAB14	60±2dB
UVL1812-AW	57±2dB	TECC1986VA0618	60±2dB
UVC1401-EW	57±2dB	TBD1-HYPV15A	60±2dB
TDQ-5-32	57±3dB	UVE33-W24/R16-8649	60±2dB
TDQ 8-12	57±3dB	UVE50-AW04D	60±2dB
VISHZUZ51	60±2dB		

Fig. 12

DISTRICT	CENTRE (mm) POSITION	LIMIT (mm)	SCANNING SIZE (%)	SCANNING SIZE LIMIT (%)
THAILAND	-1	0 ~ -2	90	88 ~ 92
FRANCE	+3	0 ~ +5	90	88 ~ 94
GERMANY	+3	0 ~ +5	90	90 ~ 95
*GROUP A	-2	-5 ~ -1	90	88 ~ 94
*GROUP B	0	-2 ~ +2	90	88 ~ 94
*GROUP C	+3	0 ~ +5	90	88 ~ 94

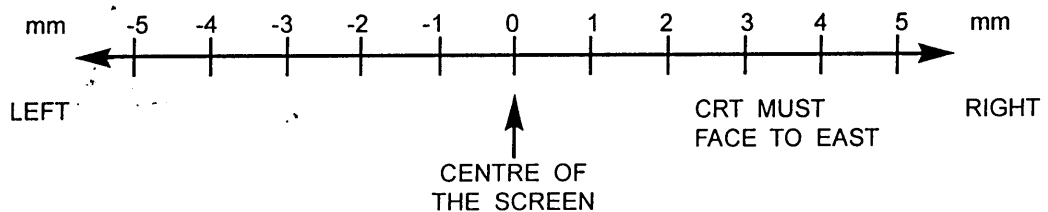


FIG. 13

- REMARK :
- SUITABLE FOR 14" OR ABOVE TV.
  - Adjust the centre position must take the upper side of monoscope pattern for standard.
  - Group A: AUSTRALIA, NEW ZEALAND, TAHITI.
  - Group B: HONG KONG, CHINA, AMERICA, CANADA, MALAYSIA, MEXICO.
  - Group C: ENGLAND, ITALY, GERMANY, RUSSIA, SWITZERLAND, JUGOSLAVIA, SPANISH.
- If the above countries are not include, please consult to Engineering Dept.

## I. SECAM COLOUR ALIGNMENT

### BELL FILTER ALIGNMENT

1. Receive secam color bar pattern input signal 70dB  $\pm$ 10dB.
2. Connect oscilloscope to TP303 through a 3K9  $\pm$ 5% resistor.
3. Turn T305 to obtain waveform as Fig.14.

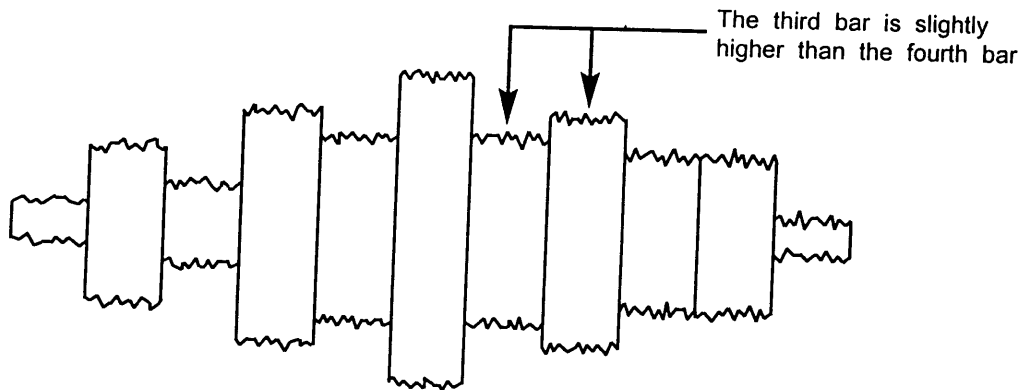


Fig.14

### SECAM COLOUR KILLER ALIGNMENT

1. Receive secam colour Bar signal input signal 70dB  $\pm$ 10dB.
2. Connect a DC digital meter to IC305 pin21.
3. Tune T304 to obtain a maximum voltage.  
" T302 ( FOR NICAM, STEREO PCB ) "

### DISCRIMINATOR ALIGNMENT

1. Receive secam colour Bar signal input signal 70dB  $\pm$ 10dB.
2. Connect the osillascope to TP301.
3. Turn T303 to obtain the Fig.15.  
" T304 ( FOR NICAM, STEREO PCB ) "
4. Connect the osillascope to TP302.
5. Turn T302 to obtain Fig.16.  
" T303 ( FOR NICAM, STEREO PCB ) "

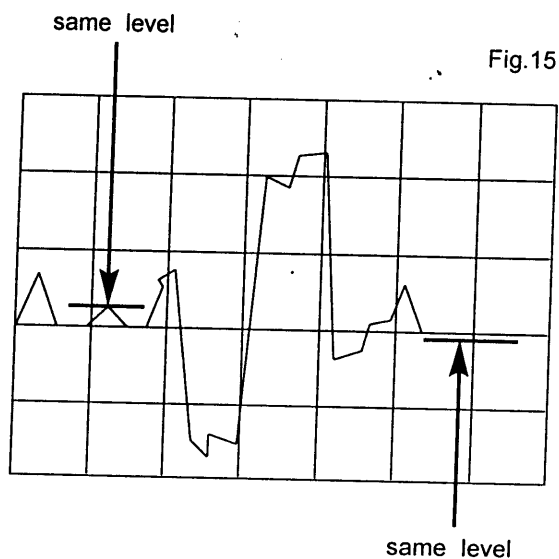


Fig.15

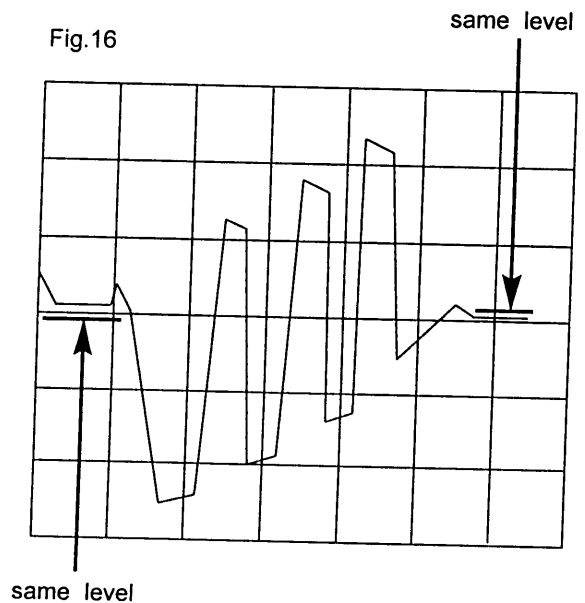


Fig.16



#### J. STEREO AND DUAL SOUND ALIGNMENT (FOR STEREO)

1. Receive color bar pattern (with stereo and Dual Sound).
2. Connect oscilloscope to TP001 and TP002.
3. Adjust T001, VR001 and VR003 to obtain a maximum amplitude as Fig.17.

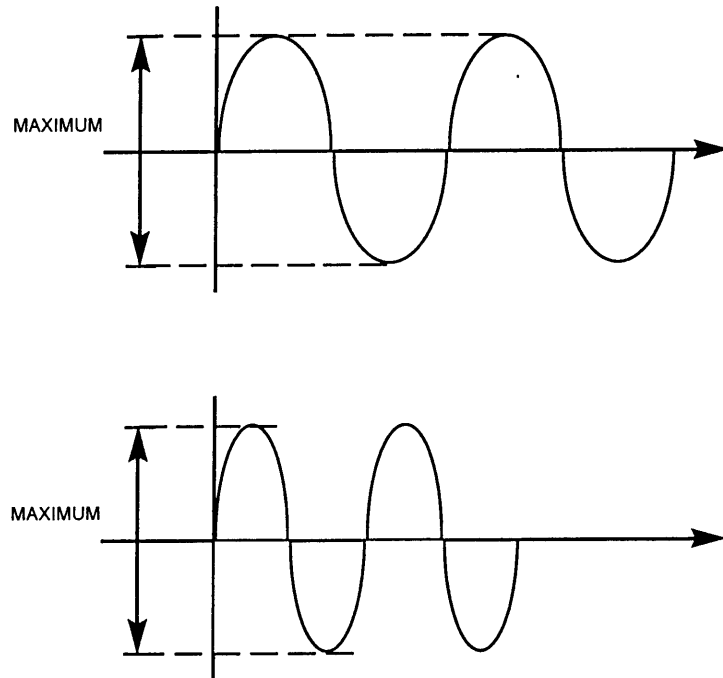


FIG.17

#### K. SEPARATION ALIGNMENT (FOR STEREO)

1. Receive color bar pattern (with stereo sound, L3KHz R1KHz).
2. Connect oscilloscope to PIN1 at CN201 and ground.
3. Adjust volume control to maximum obtain a waveform no distortion.
4. Adjust VR002 to obtain a waveform as Fig.18.

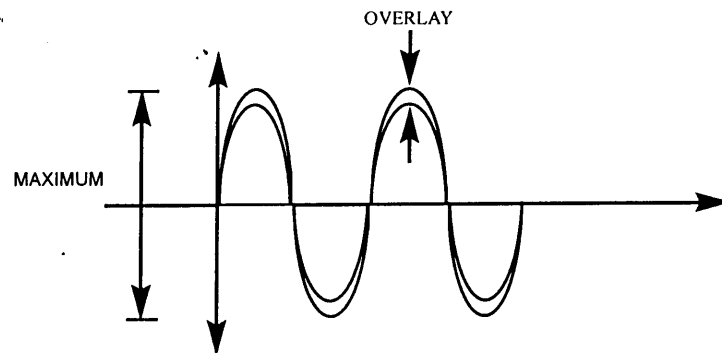


Fig.18

L. HIGH POT TESTING

1. Short the LINE CORD L - pole and N - pole.
2. Turn on the power switch of the TV set.
3. The High Pot Tester (-) connect to the L and N poly and (+) connect to the metal parts of cabinet.

Remark: The high pot tester can have  $\leq \pm 5\%$  tolerance.

CONDITION / SAFETY STD.	TEST SYANDARD	TEST STANDARN FOR PRODUCTION
VDE, SAA	3.0KV 10mA / 1MIN	$\geq 3.5KV \leq 10mA / \geq 10 \text{ SEC.}$
BS	4.0KV 10mA / 1MIN	$\geq 4.0KV \leq 10mA / \geq 10 \text{ SEC.}$
CHINA STANDARD	3.0KV 10mA / 1MIN	$\geq 3.3KV \leq 5mA / \geq 6 \text{ SEC.}$

M. CONVERGENCE ADJUSTMENT (SEE FIG.19) (IF NECESSARY)

1. Receive a dotted pattern input signal 70dB  $\pm 10dB$ .
2. Unfix the convergence magnet clamber and align red with blue dots at the center of the screen by rotating (R,B) static convergence magnets.
3. Align Red / Blue with green dots at the center of the screen by rotating (RB - G) static convergence magnet.
4. Fix the convergence magnets by turning the clamber.
5. Remove the DY wedges and slightly tilt the deflection yoke horizontally and vertically to obtain the good overall convergence.
6. Fix the deflection yoke by wedges.
7. If purity error is found, follow "PURITY ADJUSTMENT" INSTRUCTIONS.

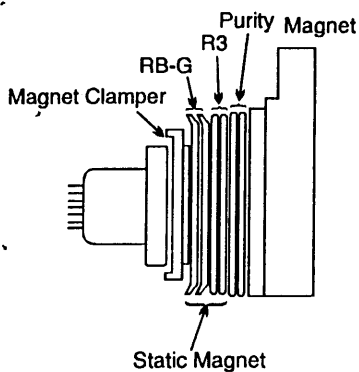


Fig. 19

VOLTAGE TABLE FOR TRANSISTOR ( ONLY FOR REFERENCE )									
LOCATION	TR	B (V)	C (V)	E (V)	LOCATION	TR	B (V)	C (V)	E (V)
Q101		12.2	0	12.2	Q602		0.7	0.06	0
Q102		11.4	12.1	12.2	Q603		9.2	12.2	8.7
Q103		0.02	12.2	0	Q604		0	0.24	0
Q104		0.65	0.05	0	Q605		0.3	1.1	0
Q105		1.13	8.5	0.4	Q901		9	19.7	8.4
					Q902		7.9	0.07	2.3
Q107		0.02	12.2	0	Q903		-0.07	2	0
Q108		12.2	0	12.2	Q904		-1.69	258	0.6
Q109					Q905		0.6	0.04	0
Q110		1.4	9.6	0.7	Q906		109.5	110	110.1
Q111		0.01	4.8	0	Q907		110	110.1	109.4
Q112					Q501		3.13	134.2	2.6
Q201		16.3	15.7	15.6	Q502		3.6	128.4	2.6
Q301		0	2.9	0	Q503		3.1	127.4	2.6
Q302		2.13	11.4	1.5					
Q303		0.06	6.28	0					
Q304		0.64	0.02	0					
Q305		0	1.9	0					
Q401		0.4	56.2	-0.01					
Q402		0.08	108.9	0					
Q601		0.6	2.01	0					

NOTE: VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB ±10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar

VOLTAGE TABLE FOR TRANSISTOR (ONLY FOR REFERENCE) (FOR STEREO)												
LOCATION \ TR	B (V)	C (V)	E (V)	LOCATION \ TR	B (V)	C (V)	E (V)					
Q001	2.1	7.6	1.4	Q302	0	1.9	0					
Q002	3.5	11.4	2.8	Q303	3.05	0	3.75					
Q003	1.8	3.4	1.1	Q401	0.4	60.0	-0.01					
Q004	2.5	5.3	1.8	Q402	-0.1	110.0	0					
Q005	3.7	11.4	3.0	Q601	0.6	2.01	0					
Q006	5.2	5.2	4.5	Q602	0.7	0.06	0					
Q007	0.08	5.2	0.3	Q603	9.2	12.2	8.7					
Q008	0.65	0.01	0	Q604	0	0.24	0					
Q009	0.55	0.01	0	Q605	0.3	1.1	0					
Q010	0.01	5.6	0.01	Q901	9	15.3	8.4					
Q101	10.2	10.9	11.1	Q902	6.4	-0.02	2.1					
Q102	11.1	0	11.1	Q903	-0.02	1.55	0					
Q103	0.65	0.04	0	Q904	2.48	264	0.1					
Q104	0.04	11.1	0	Q905	0.6	0.04	0					
Q105	1.10	7.3	0.4	Q906	109.5	110	110.1					
Q106	0	2.4	0	Q907	110	110.1	109.4					
Q107	0.04	11.1	0	Q501	3.13	134.2	2.6					
Q108	11.1	0	11.1	Q502	3.6	128.4	2.6					
Q109	3.5	11.1	2.8	Q503	3.1	127.4	2.6					
Q201	16.3	15.7	15.6	Q701	0	3	0					
Q301	0.04	2.53	0	Q702	3	-0.8	3					

NOTE: VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB  $\pm$ 10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar

VOLTAGE TABLE FOR IC ( ONLY FOR REFERENCES )						
PIN NO. / SYMBOL	IC601 (V)	IC102 (V)	IC301 (V)	IC302 (V)	IC303 (V)	IC304 (V)
1	4.33	5.4	0.09	3.6	5.1	3.4
2	0.82	2.9	0	GND	0	11.2
3	4.85	2.8	0	3.6	3.8	8.4
4	4.85	3.5	0	3.6	0	8.3
5	4.85	3.2	0	3.6	3.9	8.2
6	NC	GND	0	3.6	3.5	0.86
7	0.04	11.6	0	3.6	GND	0.1
8	0.02	5.6	0	0.01	GND	4.1
9	2.5	5.6	0	0.14	3.3	4.1
10	4.1	2.4	GND	0.02	3.8	4.1
11	GND	1.85	0.1	3	0.8	2.7
12	4.5	NC	0	0.02	5.1	3.1
13	5	3	0.1	3	5.1	NC
14	5	1.5	0	11.2	NC	3.9
15	5	NC	0.1	0.02	4.4	3.9
16	5	GND	0	3.0	9.8	2.6
17	5	3.5	0.09		3.4	1.9
18	0.1	5.0	0		9.5	GND
19	5	6.6	0.09		NC	3.4
20	5	5.6	5		3.1	3.4
21	GND	5.6			NC	
22	0	9.5			4.4	
23	0	2.8			GND	
24	0	2.8			5.1	
25	0	4.6				
26	0.4	0.8				
27	-0.02	0.8				
28	5	3.3				
29	4.6					
30	GND					
31	2.4	SYMBOL / PIN NO.	IC305 (V)	IC201 (V)	IC401 (V)	IC901 (V)
32	2.4					
33	5					
34	0.6					
35	4.9	1	7.4	1.2	1.2	10.6
36	4.9	2	7.4	0.01	GND	GND
37	0.02	3	GND	GND	1.3	5
38	GND	4	2.2	15.3	GND	
39	3.3	5	2.3	0.01	12.6	
40	2.8	6	8.0	1.2	25	
41	0.25	7	11.4	14.2	NC	
42	5	8	5.6	7.9	5.7	
43		9	3.2	15.2	24.6	
44		10	7.8	8.0		
45		11	2.9	14.2		
46		12	7.6	GND		
47		13	2.1			
48		14	7.1			
49		15	0.9			
50		16	NC			
51		17				

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB ±10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar

VOLTAGE TABLE FOR IC ( ONLY FOR REFERENCES ) ( FOR NICAM )					
PIN NO. \ SYMBOL	IC005 ( V )	IC006 ( V )	IC007, IC008 ( V )	IC009 ( V )	IC010 ( V )
1	2.1	2.0	5.2	2.6	5.2
2	0.78	GND	1.4	2.6	NC
3	0.61	2.3	1.4	2.6	NC
4	0.61	5.3	GND	GND	5.2
5	0.61	3.9	5.2	5.2	GND
6	GND	4.0	5.2	1.4	5.2
7	GND	4.0	5.2	1.4	GND
8	GND	3.9	11.4	1.4	2.6
9	3.1	1.2			2.6
10	7.1	2.1			2.6
11	0.61	4.2			GND
12	2.1	5.3			GND
13	0.78	4.2			5.2
14	0.78	GND			GND
15	0.78	2.3			4.8
16	11.3	2.6			2.3
17		NC			2.2
18		NC			5.2
19		GND			2.6
20		3.3			NC
21					2.3
22					NC
23					5.2
24					NC
25					GND
26					NC
27					0.03
28					5.2
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB  $\pm$ 10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar

VOLTAGE TABLE FOR IC ( ONLY FOR REFERENCES ) ( FOR STEREO )					
PIN NO.	SYMBOL	IC001 ( V )	IC002 ( V )		
1		5.6	NC		
2		5.6	NC		
3		7.4	NC		
4		11.1	NC		
5		7.3	NC		
6		7.3	GND		
7		7.3	GND		
8		7.3	GND		
9		0.06	9.3		
10		NC	9.3		
11		5.6	GND		
12		GND	GND		
13		11.2	0.01		
14		9.2	11.2		
15		9.2	11.2		
16		GND	11.2		
17		5.0			
18		GND			
19		5.0			
20		NC			
21		NC			
22		5.5			
23		5.5			
24		5.5			
25		5.5			
26		5.5			
27		5.5			
28		7.2			
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB  $\pm$ 10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar

VOLTAGE TABLE FOR IC ( ONLY FOR REFERENCES ) ( FOR 1P.TEXT )					
PIN NO.	SYMBOL	IC801 ( V )			
1		5			
2		2.1			
3		3.56			
4		0.01			
5		GEN			
6		4.9			
7		2.2			
8		2.4			
9		2.5			
10		5.0			
11		GEN			
12		2.1			
13		5			
14		GEN			
15		0.42			
16		0.5			
17		0.4			
18		3.8			
19		4.5			
20		0			
21		NC			
22		NC			
23		NC			
24		3.2			
25		2.8			
26		NC			
27		NC			
28		NC			
29		NC			
30		NC			
31		NC			
32		NC			
33		NC			
34		NC			
35		NC			
36		NC			
37		NC			
38		NC			
39		NC			
40		NC			
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB  $\pm$ 10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar



VOLTAGE TABLE FOR IC ( ONLY FOR REFERENCES ) ( FOR F.TEXT, S.TEXT )						
PIN NO.	SYMBOL	IC801 (V)	IC802 (V)	IC804 (V)		
1		5	NC	GEN		
2		1.8	4.2	4.2		
3		1.9	2.2	4.3		
4		0.03	2.2	NC		
5		GEN	3.8	NC		
6		4.9	1.3	NC		
7		2.2	1.2	NC		
8		2.4	3.6	NC		
9		2.5	3.6	NC		
10		5.0	3.7	NC		
11		GEN	0	NC		
12		2.1	0.3	5.0		
13		5	4.2	GEN		
14		GEN	GND	GEN		
15		0.42	0.6	2.3		
16		0.5	0.5	2.0		
17		0.4	0.5	0		
18		3.8	0.3	GEN		
19		4.5	0.5	NC		
20		0.8	GND	NC		
21		2.5	4.2	NC		
22		NC	2.5	NC		
23		4.3	0.8	GEN		
24		4.3	0.8	NC		
25		GEN	0.8	NC		
26		0.5	5.0	GEN		
27		0.5	5.0	NC		
28		0.5	5.0	5.0		
29		0.3				
30		0.5				
31		4.2				
32		0.3				
33		0				
34		3.7				
35		3.6				
36		3.6				
37		1.2				
38		1.3				
39		3.8				
40		2.2				
41		2.2				
42		4.2				
43		4.2				
44		0.8				
45		0.8				
46		0.8				
47		2.5				
48		5.0				
49						
50						

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position  
 BRIGHNESS : Maximum Position  
 COLOR : Maximum Position  
 SIGNAL INPUT : 70dB  $\pm$ 10dB  
 CHANNEL SETTING : The Last Channel of UHF High  
 SIGNAL PATTERN : Colour Bar

PROGRAM ID : TVSTDCST  
Print Date : 11/09/97  
Page Number : 1

<< B.O.M. TV STANDARD PRICE LIST FOR CUSTOMER >> - CURRENCY (USD)

PRODUCT CODE : 9420T0-270004-TV  
DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

ASSEMBLY NUMBER	DESCRIPTION
155-931306-01-01	HANDSET ASS'Y R/C:9313(W/F.TXT.W/O LCD)
180-9420T0-27-04	NON-COM PART ASS'Y PAL BG W/OPT.F.TXT/
180-9420T0-27-CP	COMMON PART ASS'Y PAL BG W/OPT.F.TXT/SC.

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 2      DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 155-931306-01-01 HANDSET ASS'Y R/C:9313(W/F.TXT,W/O LCD)						
107-800455-46	455K HZ RESONATOR "WEI HAW" CF701	PC	0	1.00000	0.1355	0.135500
113-101005-17	CARBON FILM RESISTOR 100 OHM 1/16W +-5% R704,706	PC	0	2.00000	0.0033	0.006600
113-102005-17	CARBON FILM RESISTOR 1K OHM 1/16W +-5% R705	PC	0	1.00000	0.0033	0.003300
113-103005-17	CARBON FILM RESISTOR 10K OHM 1/16W +-5% R702	PC	0	1.00000	0.0033	0.003300
113-109005-17	CARBON FILM RESISTOR 1 OHM 1/16W +-5% R708,710	PC	0	2.00000	0.0033	0.006600
113-473005-17	CARBON FILM RESISTOR 47K OHM 1/16W +-5% R703	PC	0	1.00000	0.0033	0.003300
113-682005-17	CARBON FILM RESISTOR 6.8K OHM 1/16W +-5% R701	PC	0	1.00000	0.0033	0.003300
127-476042-03	ELECT. CAP, 47 MFD 16V +-20% C701	PC	0	1.00000	0.0290	0.029000
130-600101-00	INFRARED EMITTER EL-1L1      KODENSHI LED701	PC	0	1.00000	0.0774	0.077400
131-210719-29	TRANSISTOR 2SA719R/S      MATSUSHITA Q702	PC	0	1.00000	0.0581	0.058100
131-230945-00	TRANSISTOR 2SC945 NEC Q701	PC	0	1.00000	0.0275	0.027500
133-803010-33	I.C. SAA3010T PHILIPS IC701	PC	0	1.00000	0.7955	0.795500
172-626006-42	UL 1007 TOP COAT WIRE AWG 26 60MM RED 10 X 10 MM FROM REMOTE PCB '3V' TO BATTERY CONTACT PLATE '+'	PC	0	1.00000	0.0021	0.002100
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM FROM REMOTE PCB 'GND' TO BATTERY CONTACT PLATE '-'	PC	0	1.00000	0.0026	0.002600
172-726000-99	BARE WIRE 54MM W701-702	M	0	0.11000	0.0093	0.001023
190-931300-02	REMOTE P.C.B. (190593)	PC	0	1.00000	0.4529	0.452900
514-200407-10	SELF-TAPPING SCREW 2 X 7 B/T (HARDEN) FOR HANDSET	PC	0	1.00000	0.0019	0.001900
516-260408-10	SELF-TAPPING SCREW 2.6 X 8 P/T(HARDEN) FOR HANDSET	PC	0	2.00000	0.0017	0.003400
774-931301-00	BATTERY SPRING (+-)	PC	0	1.00000	0.0304	0.030400
774-931302-00	BATTERY SPRING (+)	PC	0	1.00000	0.0209	0.020900
774-931303-00	BATTERY SPRING (-)	PC	0	1.00000	0.0199	0.019900
810-041104-13	POLYBAG 4" X 11" X 0.04MM      W/RE-CYCLING MARK FOR HANDSET	PC	0	1.00000	0.0056	0.005600
849-931303-00	CONTACT RUBBER KEY PAD      (SHARP WELL)	PC	0	1.00000	0.4452	0.445200
889-931310-00	HANDSET COVER PLATE FOR W/O LCD REMOTE	PC	0	1.00000	0.0097	0.009700
892-931320-17	DIAL KEY PLATE-TEAC DESIGN (CT-M4895)(RC-662) W/OPT.FASSTEXT	PC	0	1.00000	<del>0.0000</del> <sup>0.1197</sup>	0.000000
900-931311-01	HANDSET TOP CABINET - MOULDED BLACK	PC	0	1.00000	0.1703	0.170300
902-931311-01	HANDSET BOTTOM CABINET-MOULDEDBLACK	PC	0	1.00000	0.1312	0.131200
910-931301-01	BATTERY DOOR - BLACK MOULDED	PC	0	1.00000	0.0290	0.029000
964-931301-00	SENSOR LENS	PC	0	1.00000	0.0211	0.021100

ASSB PRICE : 2.496623

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97                      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 3                              DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 180-9420T0-27-04 NON-COM PART ASS'Y PAL BG W/OPT.F.TXT/						
002-120001-46	CRT20" A48KRD82X09/A48KRD89X09(SOUTH HEMISPHERE CRT) SAMSUNG	PC	0	1.00000	93.0000	93.000000
003-131424-02	TUNER OSCAR UVE33-W24/R16-3649MITSUMI (HIGH JACK) TUNER	PC	0	1.00000	8.1000	8.100000
107-105500-66	SOUND TRAP CERAMIC FILTER 5.5MHZ WEI HAW CF103	PC	0	1.00000	0.1219	0.121900
107-305500-16	SOUND BYPASS CERAMIC FILTER 5.5MHZ WEI HAW CF102	PC	0	1.00000	0.1200	0.120000
107-731500-00	SAW FILTER TSB-5308U (SANYO) SA102	PC	0	1.00000	1.1204	1.120400
107-738916-00	SAW FILTER TSF-5316 SANYO SA101	PC	0	1.00000	1.0322	1.032200
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5% R212.213	PC	0	2.00000	0.0028	0.005600
113-153105-17	CARBON FILM RESISTOR 15K OHM 1/4W +-5% R116.610	PC	0	2.00000	0.0028	0.005600
113-223101-67	METAL FILM RESISTOR 22K OHM 1/4W +-1% R606	PC	0	1.00000	0.0093	0.009300
161-121402-00	MINI JACK #HSJ0914-01-040 (HOSIDEN)	PC	0	1.00000	0.3242	0.324200
171-550084-02	84" AC LINE CORD (END-CUT)SAA APPW/7.5A PLUG.	PC	0	1.00000	0.4355	0.435500
177-655103-05	5 PINS FLAT CABLE L=100MM CN205 '1' TO CN206 '1','2' TO '2','3' TO '3','4'	PC	0	1.00000	0.0242	0.024200
177-655103-05	5 PINS FLAT CABLE L=100MM TO '4','5' TO '5'	PC	0	0.00000	0.0242	0.000000
186-227503-14	BATTERY 3A	PC	0	2.00000	0.0639	0.127800
191-301300-07	3 PIN SOCKET ASS'Y L=40MM (HALF CIRCLE) CN302 '1' TO '3'	PC	0	1.00000	0.0265	0.026500
610-942104-26	GIFT BOX - TEAC DESIGN (CT-M4895)	PC	0	1.00000	<del>0.0000</del> 1.9158	0.000000
663-230262-97	SERIAL NO.LABEL - QC:GT-262/97 1-STUCK ON CTN. 1-STUCK ON RATING LABEL	PC	0	2.00000	<del>0.0000</del> 0.00465	0.000000
669-942001-43	RATING LABEL - TEAC DESIGN (CT-M4895)	PC	0	1.00000	<del>0.0000</del> 0.0290	0.000000
670-942000-1Y	I/MANUAL - TEAC (A) DESGIN (CT-M4895)	PC	0	1.00000	<del>0.0000</del> 0.0465	0.000000
678-922103-02	TELETEXT COMPLEMENT - TEAC DESIGN	PC	0	1.00000	0.1645	0.164500
678-922109-03	EASY TUNE CARD (A) - TEAC (A) DESIGN	PC	0	1.00000	0.0794	0.079400
678-931315-03	TOTAL CARE LABEL - TEAC (A) DESIGN	PC	0	1.00000	0.0087	0.008700
678-942002-13	SCREEN STICKER - TEAC DESIGN (CT-M4895)	PC	0	1.00000	<del>0.0000</del> 0.3824	0.000000
690-922139-01	WARRANTY CARD- TEAC (A) DESIGN	PC	0	1.00000	0.0581	0.058100
693-942001-02	EAN CODE LABEL - (CODE NO:931306 0007782)	PC	0	1.00000	<del>0.0000</del> 0.00465	0.000000
703-942110-00	SPEAKER GRILLE (B) -MATT BLACKSPRAY (BOTH SIDE)	PC	0	2.00000	1.1030	2.206000
710-942102-01	NAME PLATE - TEAC (B) DESIGN (ELECTROFORMED)	PC	0	1.00000	0.3600	0.360000
800-942111-00	POLYFOAM (B) - TOP LEFT	PC	0	1.00000	0.3677	0.367700
800-942112-00	POLYFOAM (B) - TOP RIGHT	PC	0	1.00000	0.3677	0.367700
800-942113-00	POLYFOAM (B) - BOTTOM LEFT	PC	0	1.00000	0.3484	0.348400
800-942114-00	POLYFOAM (B) - BOTTOM RIGHT	PC	0	1.00000	0.3484	0.348400
810-404004-62	POLYBAG 40"X40"X0.04MM W/PUNCH[TEAC DESIGN (CT-M4895)] FOR UNIT	PC	0	1.00000	0.1932	0.193200
826-301605-00	FOAM SHEET 30" X 16" X 0.5MM THK. FOR TOP UNIT	PC	0	1.00000	0.0735	0.073500
826-342005-00	FOAM SHEET - 34" X 20" X 0.5MM FOR BOTTOM UNIT	PC	0	1.00000	0.0929	0.092900

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97

PRODUCT CODE : 9420T0-270004-TV

Page Number : 4

DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
884-882020-02	JACK COVER-TEAC DESIGN WHI SS.W/21 PIN SOCKET HOLE	PC	0	1.00000	0.1548	0.154800
884-942037-01	PRESET PLATE-BLK W/L.GR.S.S.E.STD(14 KEY)W/CLEAR KEY (TEAC)	PC	0	1.00000	<del>0.0000</del> 0.0813	0.000000
900-942010-03	FRONT CABINET (B) SONY GREY	PC	0	1.00000	3.9275	3.927500
902-942111-U0	BACK CABINET W/O WOOFER (UL)	PC	0	1.00000	3.9077	3.907700
917-942110-01	REMOTE LENS (B) - T.RED W/GOLDS.S. ENG STD	PC	0	1.00000	0.1357	0.135700
919-942110-71	PRESET DOOR - TEAC DESIGN (CT-M4895)W/CABLE READY WORDING	PC	0	1.00000	0.1467	0.146700

ASSB PRICE : 117.394100

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97                      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 5                              DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH, GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 180-9420T0-27-CP COMMON PART ASS'Y PAL BG W/OPT.F.TXT/SC.						
001-220027-07	FLYBACK TRANSFORMER FCM20B027 SAMSUNG T402	PC	0	1.00000	6.30000	6.300000
008-550201-05	DEGAUSSING COIL 60T 44MM X 34 MM (W/FIVE LAYERS OF TAPE) L902	PC	0	1.00000	1.4555	1.455500
012-102340-06	SEMI-FIXED RESISTOR EVND8AA 03B13 1KB VR401.901	PC	0	2.00000	0.0406	0.081200
012-103340-06	SEMI-FIXED RESISTOR EVND8AA 03B14 10KB VR103	PC	0	1.00000	0.0406	0.040600
012-104340-06	SEMI-FIXED RESISTOR EVND8AA 03B15 100KB VR101	PC	0	1.00000	0.0406	0.040600
012-301330-06	SEMI-FIXED RESISTOR EVND2AA 03B32 300B VR503.505	PC	0	2.00000	0.0465	0.093000
012-501340-06	SEMI-FIXED RESISTOR EVND 8AA 03B52 500B VR302	PC	0	1.00000	0.0406	0.040600
012-502330-06	SEMI-FIXED RESISTOR EVND2AA 03B53 5KB VR502.504.501	PC	0	3.00000	0.0465	0.139500
012-503340-06	SEMI-FIXED RESISTOR EVND8AA 03B54 50KB VR102.301	PC	0	2.00000	0.0406	0.081200
013-100001-03	GLASS DELAY LINE YTS-8B WITTIS DLY302	PC	0	1.00000	0.7935	0.793500
013-200005-00	Y-DELAY LINE YBL50F18X DLY301	PC	0	1.00000	0.4065	0.406500
101-191005-96	HORIZONTAL DRIVE TRANSFORMER R1005 T401	PC	0	1.00000	0.2477	0.247700
101-288820-95	LINE FILTER 70MH L901	PC	0	1.00000	0.6658	0.665800
101-410214-94	SWITCHING POWER TRANSFORMER KB40C214D (HIGHLIGHT) T901	PC	0	1.00000	1.6839	1.683900
102-370600-02	TANK COIL / AFC COIL COILS T101.103	PC	0	2.00000	0.0890	0.178000
102-671300-02	SOUND IF COIL. COILS 710256 T104	PC	0	1.00000	0.0890	0.089000
102-770200-02	SECAM COLOR PAL DELAY LINE T301 MATCHING COILS 707850	PC	0	1.00000	0.0774	0.077400
105-100103-08	FIXED INDUCTOR COIL 10 UH L601 +-10% AXIAL	PC	0	1.00000	0.0213	0.021300
105-100103-08	FIXED INDUCTOR COIL 10 UH L102 +-10% AXIAL	PC	0	1.00000	0.0213	0.021300
105-150103-08	FIXED INDUCTOR COIL 15 UH L104 +-10% AXIAL	PC	0	1.00000	0.0213	0.021300
105-153106-02	CHOKE COIL 15MH 10% L001 CW-710228-153K	PC	0	1.00000	0.0697	0.069700
105-181103-08	FIXED INDUCTOR COIL 180 UH L501 +-10% AXIAL	PC	0	1.00000	0.0213	0.021300
105-201106-06	CHOKE COIL 200UH HIGHLIGHT L903	PC	0	1.00000	0.1374	0.137400
105-330103-08	FIXED INDUCTIVE COIL 33UH L305 +-10% AXIAL	PC	0	1.00000	0.0213	0.021300

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97                      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 6                              DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
105-650152-13	LINEARITY COIL 6SUH "LI TONE" L401	PC	0	1.00000	0.3290	0.329000
105-689103-08	FIXED INDUCTOR COIL 6.8 UH +-10% AXIAL L103	PC	0	1.00000	0.0213	0.021300
105-828103-08	FIXED INDUCTIVE COIL 0.82 UH +-10% AXIAL L101	PC	0	1.00000	0.0213	0.021300
105-829103-08	FIXED CONDUCTOR COIL 8.2 UH +-10% AXIAL L301,302,303	PC	0	3.00000	0.0213	0.063900
105-829103-10	FIXED INDUCTIVE COIL 8.2UH FRUITRON L304	PC	0	1.00000	0.0213	0.021300
113-100105-17	CARBON FILM RESISTOR 10 OHM 1/4W +-5% R601,119,108,140	PC	0	4.00000	0.0028	0.011200
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5% R624,625,650,643,644,638	PC	0	6.00000	0.0028	0.016800
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5% R309,317,318,319,322,326,336,337,338	PC	0	9.00000	0.0028	0.025200
113-101305-75	METAL OXIDE FILM RESISTOR 100 OHM 1W +-5% R130	PC	0	1.00000	0.0180	0.018000
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5% R921,329,352,331,402,107,126,325,330	PC	0	9.00000	0.0028	0.025200
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5% R619,617,607,608,618,620,621,634,637,641	PC	0	10.00000	0.0028	0.028000
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5% R636,639,642,109,143,153,320,302,328,157	PC	0	10.00000	0.0028	0.028000
113-102305-75	METAL OXIDE FILM RESISTOR 1K OHM 1W +-5% R414	PC	0	1.00000	0.0180	0.018000
113-103101-67	METAL FILM RESISTOR 10K OHM 1/4W +-1% R609	PC	0	1.00000	0.0093	0.009300
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5% R605,612,623,635,649,632,103,110,113,104	PC	0	10.00000	0.0028	0.028000
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5% R303,304,315,354,407,908,403	PC	0	7.00000	0.0028	0.019600
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5% R154,321,339,927	PC	0	4.00000	0.0028	0.011200
113-103405-75	METAL OXIDE FILM RESISTOR 10K OHM 2W +-5% R137	PC	0	1.00000	0.0229	0.022900
113-104105-17	CARBON FILM RESISTOR 100K OHM 1/4W +-5% R136,355	PC	0	2.00000	0.0028	0.005600
113-104205-12	CARBON FILM RESISTOR 100K OHM 1/2W +-5% R920	PC	0	1.00000	0.0062	0.006200
113-104305-75	METAL OXIDE FILM RESISTOR 100KOHM 1W +-5% R925	PC	0	1.00000	0.0180	0.018000
113-105105-17	CARBON FILM RESISTOR 1M OHM 1/4W +-5% R138	PC	0	1.00000	0.0028	0.002800
113-120305-75	METAL OXIDE FILM RESISTOR 12 OHM 1W +-5% R911	PC	0	1.00000	0.0180	0.018000
113-120405-75	METAL OXIDE FILM RESISTOR 12 OHM 2W +-5% R924	PC	0	1.00000	0.0229	0.022900
113-122105-17	CARBON FILM RESISTOR 1.2K OHM 1/4W +-5% R122,323,602	PC	0	3.00000	0.0028	0.008400

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 7      DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
113-123105-17	CARBON FILM RESISTOR 12K OHM 1/4W +-5% R132,615	PC	0	2.00000	0.0028	0.005600
113-124205-12	CARBON FILM RESISTOR 120K OHM 1/2W +-5% R421	PC	0	1.00000	0.0062	0.006200
113-152105-17	CARBON FILM RESISTOR 1.5K OHM 1/4W +-5% R150,152	PC	0	2.00000	0.0028	0.005600
113-153105-17	CARBON FILM RESISTOR 15K OHM 1/4W +-5% R604,616,401	PC	0	3.00000	0.0028	0.008400
113-153405-75	METAL OXIDE FILM RESISTOR 15K OHM 2W +-5% R510,511,505	PC	0	3.00000	0.0229	0.068700
113-154105-17	CARBON FILM RESISTOR 150K OHM 1/4W +-5% R133	PC	0	1.00000	0.0028	0.002800
113-158405-75	METAL OXIDE FILM RESISTOR 0.150HM 2W +-5% R914	PC	0	1.00000	0.0229	0.022900
113-159305-75	METAL OXIDE FILM RESISTOR 1.5 OHM 1W +-5% R410	PC	0	1.00000	0.0180	0.018000
113-159405-42	NON-FLAMMABLE FUSE RESISTOR 1.5 OHM 2W +-5% R501	PC	0	1.00000	0.0648	0.064800
113-181105-17	CARBON FILM RESISTOR 180 OHM 1/4W +-5% R135,305,307,310,313,340	PC	0	6.00000	0.0028	0.016800
113-182105-17	CARBON FILM RESISTOR 1.8K OHM 1/4W +-5% R907,628,629,630,631,148,335,334	PC	0	8.00000	0.0028	0.022400
113-182105-17	CARBON FILM RESISTOR 1.8K OHM 1/4W +-5% R306,308,311	PC	0	3.00000	0.0028	0.008400
113-183105-17	CARBON FILM RESISTOR 18K OHM 1/4W +-5% R408	PC	0	1.00000	0.0028	0.002800
113-184105-17	CARBON FILM RESISTOR 180K OHM 1/4W +-5% R151,156	PC	0	2.00000	0.0028	0.005600
113-202605-75	METAL OXIDE FILM RESISTOR 2K OHM 5W +-5% R416	PC	0	1.00000	0.1005	0.100500
113-221105-17	CARBON FILM RESISTOR 220 OHM 1/4W +-5% R411,112,106	PC	0	3.00000	0.0028	0.008400
113-221305-75	METAL OXIDE FILM RESISTOR 220 OHM 1W +-5% R413	PC	0	1.00000	0.0180	0.018000
113-222101-67	METAL FILM RESISTOR 2.2K OHM 1/4W +-1% R146	PC	0	1.00000	0.0093	0.009300
113-222105-17	CARBON FILM RESISTOR 2.2K OHM 1/4W +-5% R507,509,513,141,652,332,201,205,207	PC	0	9.00000	0.0028	0.025200
113-223105-17	CARBON FILM RESISTOR 22K OHM 1/4W +-5% R646,129,312,314,417,655,406,208,209,346,111	PC	0	11.00000	0.0028	0.030800
113-223105-17	CARBON FILM RESISTOR 22K OHM 1/4W +-5% R202	PC	0	1.00000	0.0028	0.002800
113-224105-17	CARBON FILM RESISTOR 220K OHM 1/4W +-5% R333,653	PC	0	2.00000	0.0028	0.005600
113-229105-17	CARBON FILM RESISTOR 2.2 OHM 1/4W +-5% R125,342,327	PC	0	3.00000	0.0028	0.008400
113-229205-12	CARBON FILM RESISTOR 2.2 OHM 1/2W +-5% R139,351	PC	0	2.00000	0.0062	0.012400
113-229405-75	METAL OXIDE FILM RESISTOR 2.2 OHM 2W +-5% R902	PC	0	1.00000	0.0229	0.022900



\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97

PRODUCT CODE : 9420T0-270004-TV

Page Number : 8

DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount	
113-229605-51	WIRE WOUND CEMENT RESISTOR R901	2.2 OHM 5W +-5%	PC	0	1.00000	0.1355	0.135500
113-270105-17	CARBON FILM RESISTOR 27 OHM R115	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-270405-75	METAL OXIDE FILM RESISTOR 27 OHM R912	2W +-5%	PC	0	1.00000	0.0229	0.022900
113-271105-17	CARBON FILM RESISTOR 270 OHM R147	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-272105-17	CARBON FILM RESISTOR 2.7K OHM R142	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-272205-12	CARBON FILM RESISTOR 2.7K OHM R502,503,504,922,409,415	1/2W +-5%	PC	0	6.00000	0.0062	0.037200
113-273105-17	CARBON FILM RESISTOR 27K OHM R155,603,614	1/4W +-5%	PC	0	3.00000	0.0028	0.008400
113-330105-17	CARBON FILM RESISTOR 33 OHM R928	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-331105-17	CARBON FILM RESISTOR 330 OHM R905,343,344,353	1/4W +-5%	PC	0	4.00000	0.0028	0.011200
113-332102-17	CARBON FILM RESISTOR 3.3K OHM R904	1/4W +-2%	PC	0	1.00000	0.0045	0.004500
113-332105-17	CARBON FILM RESISTOR 3.3K OHM R611,645,647	1/4W +-5%	PC	0	3.00000	0.0028	0.008400
113-333105-17	CARBON FILM RESISTOR 33K OHM R118,127,114,117,144	1/4W +-5%	PC	0	5.00000	0.0028	0.014000
113-334105-17	CARBON FILM RESISTOR 330K OHM R131	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-334305-75	METAL OXIDE FILM RESISTOR 330KOHM R913	1W +-5%	PC	0	1.00000	0.0180	0.018000
113-390505-75	METAL OXIDE FILM RESISTOR 39 OHM R926	3W +-5%	PC	0	1.00000	0.0465	0.046500
113-390605-75	METAL OXIDE FILM RESISTOR 39 OHM R915	5W +-5%	PC	0	1.00000	0.1005	0.100500
113-391105-17	CARBON FILM RESISTOR 390 OHM R506,508,347,934	1/4W +-5%	PC	0	4.00000	0.0028	0.011200
113-392105-17	CARBON FILM RESISTOR 3.9K OHM R404,633	1/4W +-5%	PC	0	2.00000	0.0028	0.005600
113-393105-17	CARBON FILM RESISTOR 39K OHM R316	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-470105-17	CARBON FILM RESISTOR 47 OHM R933,204,206,613	1/4W +-5%	PC	0	4.00000	0.0028	0.011200
113-471105-17	CARBON FILM RESISTOR 470 OHM R412,123	1/4W +-5%	PC	0	2.00000	0.0028	0.005600
113-472105-17	CARBON FILM RESISTOR 4.7K OHM R910,149,120,158,159	1/4W +-5%	PC	0	5.00000	0.0028	0.014000
113-473105-17	CARBON FILM RESISTOR 47K OHM R622,648,651,301,341,405	1/4W +-5%	PC	0	6.00000	0.0028	0.016800
113-475105-17	CARBON FILM RESISTOR 4.7M OHM FOR IC305 10 PIN TO GND	1/4W +-5%	PC	0	1.00000	0.0028	0.002800
113-479105-17	CARBON FILM RESISTOR 4.7 OHM R210,211	1/4W +-5%	PC	0	2.00000	0.0028	0.005600

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97

PRODUCT CODE : 9420T0-270004-TV

Page Number : 9

DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH, GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
113-479505-75	METAL OXIDE FILM RESISTOR 4.7 OHM 3W +-5% R422	PC	0	1.00000	0.0465	0.046500
113-511105-17	CARBON FILM RESISTOR 510 OHM 1/4W +-5% R512	PC	0	1.00000	0.0028	0.002800
113-562105-17	CARBON FILM RESISTOR 5.6K OHM 1/4W +-5% R105,324,357	PC	0	3.00000	0.0028	0.008400
113-565210-92	CARBON COMPOSITION RESISTOR 5.6M OHM 1/2W +-10% R916,917	PC	0	2.00000	0.0600	0.120000
113-629505-75	METAL OXIDE FILM RESISTOR 6.2 OHM 3W +-5% R203	PC	0	1.00000	0.0465	0.046500
113-681105-17	CARBON FILM RESISTOR 680 OHM 1/4W +-5% R654	PC	0	1.00000	0.0028	0.002800
113-682102-17	CARBON FILM RESISTOR 6.8K OHM 1/4W +-2% R903	PC	0	1.00000	0.0048	0.004800
113-682105-17	CARBON FILM RESISTOR 6.8K OHM 1/4W +-5% R909,419,349	PC	0	3.00000	0.0028	0.008400
113-688305-42	FUSING RESISTOR 0.68 OHM 1W +-5% R918,423,424,919	PC	0	4.00000	0.0648	0.259200
113-750105-17	CARBON FILM RESISTOR 75 OHM 1/4W +-5% R929,930,931,932	PC	0	4.00000	0.0028	0.011200
113-820105-17	CARBON FILM RESISTOR 82 OHM 1/4W +-5% R418,101	PC	0	2.00000	0.0028	0.005600
113-821105-17	CARBON FILM RESISTOR 820 OHM 1/4W +-5% R350,425	PC	0	2.00000	0.0028	0.005600
113-822105-17	CARBON FILM RESISTOR 8.2K OHM 1/4W +-5% R906,923,420,626	PC	0	4.00000	0.0028	0.011200
113-823105-17	CARBON FILM RESISTOR 82K OHM 1/4W +-5% R145	PC	0	1.00000	0.0028	0.002800
113-824105-17	CARBON FILM RESISTOR 820K OHM 1/4W +-5% R180	PC	0	1.00000	0.0028	0.002800
114-210200-01	THERMISTOR (NICHICON ZPB53 BL 200C) TH901	PC	0	1.00000	0.4258	0.425800
123-100340-60	CERAMIC CAP. 10PF +-5% 50V (SL TYPE) C349	PC	0	1.00000	0.0991	0.099100
123-101350-60	CERAMIC CAP. 100 PF 50V +-10% (SL TYPE) "SMART GOOD" C612	PC	0	1.00000	0.0137	0.013700
123-102350-90	CERAMIC CAP. 0.001 MFD 50V +-10% (B TYPE) C138,614,103	PC	0	3.00000	0.0103	0.030900
123-102850-10	CERAMIC CAP. 0.001 MFD 2KV +-10% MATSUSHITA C501,419	PC	0	2.00000	0.0888	0.177600
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20% C102,117,126,333,334,330,147,118	PC	0	8.00000	0.0099	0.079200
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20% C352	PC	0	1.00000	0.0099	0.009900
123-104270-90	CERAMIC CAP. 0.1 MFD 25V +80 -20% C623,123,139,306,309,307,101	PC	0	7.00000	0.0379	0.265300
123-121350-60	CERAMIC CAP. 120 PF 50V +-10% (SL TYPE) C301,302,303	PC	0	3.00000	0.0102	0.030600
123-122551-90	CERAMIC CAP. 0.0012 MFD 500V +-10% (B TYPE) MATSUSHITA C415	PC	0	1.00000	0.0368	0.036800

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97

PRODUCT CODE : 9420T0-270004-TV

Page Number : 10

DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH, GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
123-150340-93	CERAMIC CAP, 15 PF 50V +-5% (NPO) CT301	PC	0	1.00000	0.0114	0.011400
123-151350-60	CERAMIC CAP 150 PF 50V +-10% (SL TYPE) C137	PC	0	1.00000	0.0102	0.010200
123-220340-60	CERAMIC CAP, 22 PF 50V +-5% (SL TYPE) C616,617,618,620	PC	0	4.00000	0.0099	0.039600
123-221350-60	CERAMIC CAP, 220 PF 50V +-10% (SL TYPE) C347,503,504,502	PC	0	4.00000	0.0113	0.045200
123-221551-90	CERAMIC CAP, 220 PF 500V +-10% MATSUSHITA C916	PC	0	1.00000	0.0341	0.034100
123-222466-50	CERAMIC CAP, 0.0022 MFD 400VAC+-20% ECKDNA222ME "MATSUSHITA" C912	PC	0	1.00000	0.1394	0.139400
123-222850-10	CERAMIC CAP, 0.0022 MFD 2KV +-10% MATSUSHITA C911	PC	0	1.00000	0.1481	0.148100
123-223370-90	CERAMIC CAP, 0.022 MFD 50V +80-20% C109,131,124,122,128,129,135,331,332,343,335	PC	0	11.00000	0.0105	0.115500
123-223370-90	CERAMIC CAP, 0.022 MFD 50V +80-20% C344,105,127	PC	0	3.00000	0.0105	0.031500
123-270340-60	CERAMIC CAP, 27 PF 50V +-5% (SL-TYPE) C114	PC	0	1.00000	0.0097	0.009700
123-270340-93	CERAMIC CAP, 27PF 50V +-5% (NPO) C613,628	PC	0	2.00000	0.0114	0.022800
123-390340-93	CERAMIC CAP, 39PF 50V +-5% (NPO) C630,C1	PC	0	2.00000	0.0118	0.023600
123-472350-90	CERAMIC CAP, 0.0047 MFD 50V +-10% (B TYPE) C918,920	PC	0	2.00000	0.0143	0.028600
123-472550-90	CERAMIC CAP, 0.0047 MFD 500V +-10% (B TYPE) C913,413,423	PC	0	3.00000	0.0993	0.297900
123-472552-90	CERAMIC CAP, 0.0047 MFD 500V +-10% (B TYPE) SMALL SIZE C903,904,907	PC	0	3.00000	0.0445	0.133500
123-509340-93	CERAMIC CAP, 5 PF 50V +-5% (NPO) C345	PC	0	1.00000	0.0109	0.010900
123-681350-90	CERAMIC CAP, 680 PF 50V +-10% (B TYPE) C407	PC	0	1.00000	0.0097	0.009700
123-821850-10	CERAMIC CAP, 820 PF 2KV +-10% (SL TYPE) MATSUSHITA C914	PC	0	1.00000	0.0697	0.069700
125-391120-11	POLYSTYRENE CAP, 390 PF 125V +-5% C149	PC	0	1.00000	0.0348	0.034800
126-102071-01	MYLAR CAP, 0.001 MFD 50V +-10% C130,402,412	PC	0	3.00000	0.0122	0.036600
126-104071-01	MYLAR CAP, 0.1 MFD 50V +-10% C602,908,304,305,308,310,324,325,326,133	PC	0	10.00000	0.0271	0.271000
126-104071-01	MYLAR CAP, 0.1 MFD 50V +-10% C409,214,216	PC	0	3.00000	0.0271	0.081300
126-104101-31	POLYPROPYLENE CAP, 0.1 MFD 100V +-10% C425	PC	0	1.00000	0.1074	0.107400
126-222071-01	MYLAR CAP, 0.0022 MFD 50V +-10% C610,624	PC	0	2.00000	0.0122	0.024400
126-222161-41	METALIZED POLYPROPYLENE CAP, 0.0022 MFD 1600V +-10% C420	PC	0	1.00000	0.2147	0.214700

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 11      DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
126-223071-01	MYLAR CAP. 0.022 MFD 50V +-10% C321,322,323,207,208	PC	0	5.00000	0.0151	0.075500
126-224071-01	MYLAR CAP 0.22 MFD 50V +-10% C140,348	PC	0	2.00000	0.0447	0.089400
126-224071-01	MYLAR CAP 0.22 MFD 50V +-10% C603,115	PC	0	2.00000	0.0447	0.089400
126-272070-31	POLYPROPYLENE CAP. 0.0027 MFD 50V +-5% C141	PC	0	1.00000	0.0648	0.064800
126-332161-41	METALIZED POLYPROPYLENE CAP. 0.0033 MFD 1600V +-10% C418	PC	0	1.00000	0.2235	0.223500
126-333071-01	MYLAR CAP. 0.033 MFD 50V +-10% C906	PC	0	1.00000	0.0163	0.016300
126-334071-01	MYLAR CAP. 0.33 MFD 50V +-10% C143,145	PC	0	2.00000	0.0617	0.123400
126-472071-01	MYLAR CAP. 0.0047 MFD 50V +-10% C403,405	PC	0	2.00000	0.0122	0.024400
126-473071-01	MYLAR CAP. 0.047 MFD 50V +-10% C134,346	PC	0	2.00000	0.0219	0.043800
126-473222-41	METALIZED POLYPROPYLENE CAP. 0.047 MFD 275V +-20% "OKAYA" C902	PC	0	1.00000	0.1350	0.135000
126-474201-31	POLYPROPYLENE CAP 0.47 MFD 200V +-10% C414	PC	0	1.00000	0.2639	0.263900
126-474222-41	METALIZED POLYPROPYLENE CAP. 0.47 MFD 275VAC +-20% "OKAYA" C901	PC	0	1.00000	0.3450	0.345000
126-563071-01	MYLAR CAP. 0.056 MFD 50V +-10% C148	PC	0	1.00000	0.0205	0.020500
127-105072-03	ELECT. CAP. 1 MFD 50V +-20% C107,142,341,342,350,132	PC	0	6.00000	0.0203	0.121800
127-105072-23	ELECT. CAP. BIPOLAR 1 MFD 50V +-20% FOR R348,R345	PC	0	2.00000	0.0581	0.116200
127-105132-03	ELECT. CAP. 1 MFD 160V +-20% C416	PC	0	1.00000	0.0465	0.046500
127-106041-05	ELECT. CAP. 10 MFD 16V +-10% (TIME CONSTANT) C404	PC	0	1.00000	0.0716	0.071600
127-106042-03	ELECT. CAP. 10 MFD 16V +-20% C202,627,621,601,615,619,626,622,351	PC	0	9.00000	0.0203	0.182700
127-106042-03	ELECT. CAP. 10 MFD 16V +-20% C203,312,328,329,327,316,317,315,340,314,318,338	PC	0	12.00000	0.0203	0.243600
127-106104-03	ELECT CAP. 10 MFD 100V +-20% 105°C C910	PC	0	1.00000	0.0561	0.056100
127-106252-03	ELECT. CAP. 10 MFD 250V +-20% C424	PC	0	1.00000	0.1355	0.135500
127-107042-03	ELECT. CAP. 100 MFD 16V +-20% C125,119,625,209,210,311	PC	0	6.00000	0.0348	0.208800
127-107062-03	ELECT. CAP. 100 MFD 35V +-20% C201,408	PC	0	2.00000	0.0523	0.104600
127-107132-03	ELECT. CAP. 100 MFD 160V +-20%"NICHICON" C417	PC	0	1.00000	0.3290	0.329000
127-108042-03	ELECT. CAP. 1000 MFD 16V +-20% C421	PC	0	1.00000	0.1200	0.120000

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97                      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 12                            DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
127-108052-03	ELECT. CAP. 1000 MFD 25V +-20% C217	PC	0	1.00000	0.1452	0.145200
127-157402-03	ELECT. CAP. 150 MFD 400V +-20%(25 X 30MM) C905	PC	0	1.00000	1.2774	1.277400
127-225072-03	ELECT. CAP 2.2 MFD 50V +-20% C106,108,111,113,116	PC	0	5.00000	0.0203	0.101500
127-226042-03	ELECT. CAP. 22 MFD 16V +-20% C609	PC	0	1.00000	0.0203	0.020300
127-227042-03	ELECT. CAP. 220 MFD 16V +-20% C320,121,205	PC	0	3.00000	0.0561	0.168300
127-227062-03	ELECT. CAP. 220 MFD 35V +-20% C917,410,411	PC	0	3.00000	0.0716	0.214800
127-228052-03	ELECT. CAP. 2200 MFD 25V +-20% C406	PC	0	1.00000	0.3097	0.309700
127-228052-03	ELECT. CAP. 2200 MFD 25V +-20% C422	PC	0	1.00000	0.3097	0.309700
127-336042-03	ELECT. CAP. 33 MFD 16V +-20% C144,921	PC	0	2.00000	0.0203	0.040600
127-475072-03	ELECT CAP 4.7 MED 50V C607,608,604,136,337,211,212	PC	0	7.00000	0.0203	0.142100
127-476042-03	ELECT. CAP. 47 MFD 16V +-20% C401,204,206	PC	0	3.00000	0.0290	0.087000
127-476094-07	ELECT CAP. 47 MFD 63V +-20% 105°C "NICHICON" C909	PC	0	1.00000	0.0639	0.063900
127-476132-03	ELECT. CAP. 47 MFD 160V +-20% C915	PC	0	1.00000	0.1935	0.193500
127-477042-03	ELECT. CAP. 470 MFD 16V +-20% C146,922,120,313,336,919	PC	0	6.00000	0.0716	0.429600
127-477042-03	ELECT. CAP. 470 MFD 16V +-20% C213,215	PC	0	2.00000	0.0716	0.143200
130-134148-01	SILICON DIODE IN4148 D406,301,302,303,604	PC	0	5.00000	0.0085	0.042500
130-134148-01	SILICON DIODE IN4148 D601,602,606,607,608,609,610,611,603,103,104,105	PC	0	12.00000	0.0085	0.102000
130-240809-50	VARIABLE CAPACITANCE DIODE BB809 D102,101	PC	0	2.00000	0.1072	0.214400
130-310022-00	RECTIFIER DIODE RG2 SANKEN D904	PC	0	1.00000	0.1548	0.154800
130-310156-00	BRIDGE RECTIFIER RB156 SANKEN BR901	PC	0	1.00000	0.4409	0.440900
130-311545-60	RECTIFIER DIODE 1R5JH45 D404	PC	0	1.00000	0.1548	0.154800
130-314406-00	RECTIFIER DIODE ERB44-06 FUJI D905	PC	0	1.00000	0.1742	0.174200
130-315295-00	RECTIFIER DIODE S5295G TOSHIBA D902,903,901,401,402,403,405,D90A,90B	PC	0	9.00000	0.0910	0.819000
130-410051-90	ZENER DIODE 5.1V 1/2W +-5% ZD102	PC	0	1.00000	0.0218	0.021800
130-410082-01	ZENER DIODE 8.2V ZD901	PC	0	1.00000	0.0218	0.021800

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97                      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 13                            DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
130-410100-90	ZENER DIODE 10V +-5% 1/2W ZD401	PC	0	1.00000	0.0218	0.021800
130-410574-00	ZENER DIODE UPC 574J NEC ZD101	PC	0	1.00000	0.1355	0.135500
130-411091-01	ZENER DIODE 9.1V ZD902	PC	0	1.00000	0.0218	0.021800
130-422120-90	ZENER DIODE 12V 1W +-5% ZD402	PC	0	1.00000	0.0484	0.048400
130-512044-00	LED 3MM RED 204HDC LED601	PC	0	1.00000	0.0252	0.025200
131-211013-18	TRANSISTOR 2SA1013 (R) TOSHIBA Q906	PC	0	1.00000	0.1200	0.120000
131-211015-00	TRANSISTOR 2SA1015 TOSHIBA Q101,102,108,303	PC	0	4.00000	0.0270	0.108000
131-220774-20	TRANSISTOR 2SB774/Q/R/S                      MATSUSHITA Q902	PC	0	1.00000	0.1374	0.137400
131-231809-00	TRANSISTOR 2SC1809 ROHM Q105	PC	0	1.00000	0.0639	0.063900
131-231815-25	TRANSISTOR 2SC1815 TOSHIBA Q103,107,901,903,301,602,302	PC	0	7.00000	0.0252	0.176400
131-231815-25	TRANSISTOR 2SC1815 TOSHIBA Q603,604,605,106,109	PC	0	5.00000	0.0252	0.126000
131-232230-00	NPN-TR 2SC2230A-Y (TOSHI) TO92VCE=180V IC=.1A HFE=120-240 Q905	PC	0	1.00000	0.0990	0.099000
131-232335-30	TRANSISTOR 2SC2335 L/K NEC Q907	PC	0	1.00000	0.6619	0.661900
131-232482-00	TRANSISTOR 2SC2482 TOSHIBA Q401,501,502,503	PC	0	4.00000	0.0871	0.348400
131-241545-00	TRANSISTOR 2SD1545 TOSHIBA Q904	PC	0	1.00000	1.0200	1.020000
131-241555-00	TRANSISTOR 2SD1555 TOSHIBA Q402	PC	0	1.00000	0.9300	0.930000
131-241761-00	TRANSISTOR 2SD1761(E) ROHM Q201	PC	0	1.00000	0.2903	0.290300
131-462369-00	TRANSISTOR PH2369 PHILIPS Q601	PC	0	1.00000	0.0639	0.063900
133-102421-31	I.C. ST24C02AB1 SGS IC602	PC	0	1.00000	0.3900	0.390000
133-103221-33	IC CTV322SV2.0/PCA84C641P/068 PHILIPS IC601	PC	0	1.00000	4.0448	4.044800
133-103504-33	I.C. TDA3504 PHILIPS IC304	PC	0	1.00000	1.7977	1.797700
133-103857-33	IC TDA3857 PHILIPS IC101	PC	0	1.00000	2.0690	2.069000
133-104505-33	I.C. TDA4505E PHILIPS IC102	PC	0	1.00000	2.8471	2.847100
133-104510-33	PHILIPS IC TDA4510 IC305	PC	0	1.00000	1.4981	1.498100
133-108628-14	IC TA8628N TOSHIBA IC303	PC	0	1.00000	1.6500	1.650000

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 14      DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
133-203653-33	I.C. TDA3653B PHILIPS IC401	PC	0	1.00000	0.5694	0.569400
133-204445-16	I.C. LA4445 SANYO IC201	PC	0	1.00000	0.8925	0.892500
133-207805-31	I.C. L7805CV SGS IC901	PC	0	1.00000	0.2090	0.209000
133-207812-31	IC L7812CV SGS-THOMSON IC103	PC	0	1.00000	0.2090	0.209000
133-304241-33	I.C. 74HCT241N PHILIPS IC301	PC	0	1.00000	0.3147	0.314700
133-305114-31	I.C. TEA5114A SGS IC302	PC	0	1.00000	1.0050	1.005000
136-500002-00	REMOTE RECEIVER (HC-SZ02) OPT601	PC	0	1.00000	0.8477	0.847700
137-100000-31	CRYSTAL 10 MHZ HOORAY X601	PC	0	1.00000	0.3097	0.309700
137-886723-20	CRYSTAL 8.86 MHZ KDS X301	PC	0	1.00000	0.3097	0.309700
146-100002-13	TACT SWITCH KSM0634A HDK S602,603,604,605,601,608,609,606,607	PC	0	9.00000	0.0542	0.487800
146-100006-14	POWER SWITCH PS5E-B      "CHINA LANDMARK" S612	PC	0	1.00000	1.0161	1.016100
146-145000-00	TACT SWITCH TM116E UNITRONIC S610,611,613,614	PC	0	4.00000	0.0658	0.263200
160-101001-08	PIN CONNECTOR 1 PIN PLUG      STRAIGHT 1-FOR CN501,2-FOR (X),(Y)	PC	0	3.00000	0.0135	0.040500
160-102255-27	PIN CONNECTOR 2 PINS PLUG      STRAIGHT (UL) (S.H.S) CN201	PC	0	1.00000	0.0093	0.009300
160-102805-08	PIN CONNECTOR 2 PIN PLUG      STRAIGHT CN903	PC	0	1.00000	0.0271	0.027100
160-103255-27	PIN CONNECTOR 3 PINS PLUG CN202,606,302	PC	0	3.00000	0.0139	0.041700
160-103805-08	PIN CONNECTOR 3 PIN PLUG      STRAIGHT CN402	PC	0	1.00000	0.0406	0.040600
160-104805-08	PIN CONNECTOR 4 PIN PLUG      STRAIGHT CN401	PC	0	1.00000	0.0515	0.051500
160-105255-27	PIN CONNECTOR 5 PINS WAFER      2.5 PITCH CN203	PC	0	1.00000	0.0232	0.023200
160-106255-27	PIN CONNECTOR 6 PINS WAFER      (SHS) S11-W CN301	PC	0	1.00000	0.0279	0.027900
161-540004-01	CRT SOCKET ISH-01 IN CHANG	PC	0	1.00000	0.6194	0.619400
161-683702-22	21 PIN SOCKET J901	PC	0	1.00000	0.2903	0.290300
166-463023-4E	SPEAKER 2" X 3-1/2" 16 OHM 3W K.T.	PC	0	2.00000	0.8323	1.664600
172-620007-40	UL 1007 TOP COAT WIRE #20 70MMBLACK 5 X 5 MM 1 FOR MAIN PCB 'Q' TO 'Q',1 FOR IC401 GND TO GND	PC	0	2.00000	0.0048	0.009600
172-620012-40	UL 1007 TOP COAT WIRE AWG 20 120MM BLACK 10 X 10 MM MIAN P.C.B. 'J' TO 'J'	PC	0	1.00000	0.0078	0.007800
172-620014-40	UL 1007 TOP COAT WIRE AWG 20 140MM BLACK 10 X 10 MM MAIN P.C.B. 'E' TO 'E'	PC	0	1.00000	0.0090	0.009000

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 15      DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
172-620020-40	UL 1007 TOP COAT WIRE AWG 20 200MM BLACK 10 X 10 MM 'G,H' GND TO 'G,H' GND	PC	0	1.00000	0.0126	0.012600
172-622004-40	UL 1007 TOP COAT WIRE #22 40MMBLACK 5 X 5 MM FOR CRT SOCKET PIN 12 TO GND	PC	0	1.00000	0.0029	0.002900
172-626006-42	UL 1007 TOP COAT WIRE AWG 26 60MM RED 10 X 10 MM MAIN PCB '9A' TO '9A'	PC	0	1.00000	0.0021	0.002100
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM Q904 LUG TO MAIN PCB 'L',IC401 LUG TO MAIN PCB 'M'	PC	0	3.00000	0.0026	0.007800
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM Q402 LUG TO MAIN P.C.B. 'K'	PC	0	0.00000	0.0026	0.000000
172-626012-44	UL 1007 TOP COAT WIRE AWG 26 120MM YELLOW 10 X 10 MM MAIN P.C.B. 'F' TO 'F'	PC	0	1.00000	0.0036	0.003600
172-626014-40	UL 1007 TOP COAT WIRE AWG 26 140MM BLACK 10 X 10 MM 'A2' TO 'A2'	PC	0	1.00000	0.0041	0.004100
172-626014-42	UL 1007 TOP COAT WIRE AWG 26 140MM RED 10 X 10 MM '2'TO'2',C110 '+' TO CN303'1',R134'R' TO CN303 '3'	PC	0	3.00000	0.0041	0.012300
172-626022-45	UL 1007 TOP COAT WIRE AWG 26 220MM PINK 10 X 10 MM MAIN P.C.B. 'N' TO 'N'	PC	0	1.00000	0.0061	0.006100
172-626022-46	UL 1007 TOP COAT WIRE AWG 26 220MM BLUE 10 X 10 MM MAIN P.C.B. 'P' TO 'P','I' TO 'I'	PC	0	2.00000	0.0061	0.012200
172-726000-99	BARE WIRE 54MM W001-005,007-035,037-072,074-083,085-087,901	M	0	5.00000	0.0093	0.046500
172-726000-99	BARE WIRE 54MM W091-093,096,CN306'1' TO '3',CN304'2' TO '3'	M	0	0.00000	0.0093	0.000000
172-726000-99	BARE WIRE 54MM FOR TH902	M	0	0.00000	0.0093	0.000000
172-830120-99	FLAT BRIDED WIRE CRT GROUND	M	0	1.20000	0.1374	0.164880
173-622014-30	SINGLE SHIELD WIRE AWG 26 140MM BLACK MAIN P.C.B. 'O' TO 'O'	PC	0	1.00000	0.0307	0.030700
174-611017-50	DOUBLE SHIELD WIRE AWG 26 180MM BLACK MAIN P.C.B. 'A,B' TO 'A,B'	PC	0	1.00000	0.0422	0.042200
177-655053-02	2 PIN FLAT CABLE WIRE AWG 26 50MM MAIN P.C.B. 'C,D' TO 'C,D.'	PC	0	1.00000	0.0048	0.004800
179-001010-00	OIL SLEEVING 1 MM DIA, L=60MM,20MM-D904,20MM-BR901,149,50MM FOR 'N'TO'N'	M	0	0.14000	0.0774	0.010836
179-001010-00	OIL SLEEVING 1 MM DIA, 20MM FOR R349,20MM FOR R926,10MM FOR C404	M	0	0.00000	0.0774	0.000000
179-001010-00	OIL SLEEVING 1 MM DIA, L=90MM,20MM FOR D904,20MM FOR BR901,10MM FOR C149	M	0	0.09000	0.0774	0.006966
179-001010-00	OIL SLEEVING 1 MM DIA, 20MM FOR R349,10MM FOR C425,10MM FOR C120	M	0	0.00000	0.0774	0.000000
179-001010-00	OIL SLEEVING 1 MM DIA, 10MM FOR C1	M	0	0.01000	0.0774	0.000774
179-001020-00	OIL SLEEVING 2MM DIA, 60MM FOR '9A' TO '9A'	PC	0	0.06000	0.0001	0.000006
179-105000-00	UL PVC TUBE 5MM DIA 120MM FOR AC LINE CORD,120MM FOR PW,SW,(X)(Y)	M	0	0.24000	0.1877	0.045048
179-105000-00	UL PVC TUBE 5MM DIA L=950MM, 400MM FOR SPK 'L', 550MM FOR SPK 'R'	M	0	0.95000	0.1877	0.178315



\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97

PRODUCT CODE : 9420T0-270004-TV

Page Number : 16

DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
179-107300-00	UL PVC TUBE 7.3MM DIA. 250MM FOR (X)(Y)	PC	0	0.25000	0.0643	0.016075
179-110500-00	UL PVC TUBE 11MM DIA. L=50MM FOR AC LINE CORD	M	0	0.05000	0.5535	0.027675
179-405030-00	5 MM DIA SHRINKABLE TUBE 60MM FOR AC LINE CORD,60MM FOR PW.SW.(X)(Y) WIRE	M.	0	0.12000	0.4065	0.048780
182-233150-03	FUSE T3.15A 250V F901	PC	0	1.00000	0.0968	0.096800
190-882004-00	P.C. BOARD CRT (150395)	PC	0	1.00000	0.2361	0.236100
190-942002-01	MAIN P.C.B. BOARD (150897)	PC	0	1.00000	2.1426	2.142600
191-100030-09	1 PIN SOCKET ASSM'Y L=300MM CRT GND TO CN501	PC	0	1.00000	0.0382	0.038200
191-101016-07	1 PIN DOUBLE INSOLATION WIRE AWG 18 L=340MM BLUE MAIN P.C.B. 'X' TO 'X'	PC	0	1.00000	0.1084	0.108400
191-101017-07	1 PIN DOUBLE INSOLATION WIRE AWG 18 L=340MM BROWN MAIN P.C.B. 'Y' TO 'Y'	PC	0	1.00000	0.1084	0.108400
191-200044-09	2 PIN SOCKET ASSM'Y L=440MM CN201 '2' TO SPEAKER L '-', '1' TO SPEAKER L '+'	PC	0	1.00000	0.0432	0.043200
191-300040-09	3 PIN SOCKET ASSM'Y (PIN 1 L= 460MM, PIN 2,3 L=400MM) CN402 '1' TO CRT PCB 'J'	PC	0	1.00000	0.1040	0.104000
191-300040-09	3 PIN SOCKET ASSM'Y (PIN 1 L= 460MM, PIN 2,3 L=400MM) CN402 '2' TO CRT PCB 'I'	PC	0	0.00000	0.1040	0.000000
191-300040-09	3 PIN SOCKET ASSM'Y (PIN 1 L= 460MM, PIN 2,3 L=400MM) CN402 '3' TO CRT PCB 'H'	PC	0	0.00000	0.1040	0.000000
191-301005-07	3 PINS SOCKET ASS'Y (2 WIRE) L=560MM CN202 '2' TO SPEAKER R '-', '1' TO SPEAKER R '+'	PC	0	1.00000	0.0497	0.049700
191-500048-09	5 PIN SOCKET ASSM'Y L=480MM CN203 '1' TO CRT PCB 'A'	PC	0	1.00000	0.1118	0.111800
191-500048-09	5 PIN SOCKET ASSM'Y L=480MM CN203 '2' TO CRT PCB 'B'	PC	0	0.00000	0.1118	0.000000
191-500048-09	5 PIN SOCKET ASSM'Y L=480MM CN203 '3' TO CRT PCB 'C'	PC	0	0.00000	0.1118	0.000000
191-500048-09	5 PIN SOCKET ASSM'Y L=480MM CN203 '4' TO CRT PCB 'D'	PC	0	0.00000	0.1118	0.000000
191-500048-09	5 PIN SOCKET ASSM'Y L=480MM CN203 '5' TO CRT PCB 'E'	PC	0	0.00000	0.1118	0.000000
504-305006-10	MACHINE SCREW 3 X 6 B/M (WHITE) 1 FOR IC901,2 FOR IC201, 1 FOR IC103	PC	0	4.00000	0.0013	0.005200
514-400412-10	SELF-TAPPING SCREW 4 X 12 B/T (HARDEN) FOR FBT MTG	PC	0	1.00000	0.0044	0.004400
514-400425-10	SELF-TAPPING SCREW 4 X 25 B/T (HARDEN) FOR CAB. MTG.	PC	0	2.00000	0.0095	0.019000
515-303408-10	SELF-TAPPING SCREW 3 X 8 W/B/T (HARDEN) 8-FOR SPEAKER MTG.,2 FOR TELETEX BOARD MTG.	PC	0	10.00000	0.0033	0.033000
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN) FOR PUSH BUTTOM	PC	0	2.00000	0.0032	0.006400
516-500435-10	SEIF-TAPPING SCREW 5X35 P/T (HARDEN) HEAD DIA. 9.5MM MAX FOR CAB MTG	PC	0	4.00000	0.0194	0.077600
517-303312-10	SELF-TAPPING SCREW 3 X 12 W/A W/H=7MM (HARDEN) FOR HEAT SINK (A) , (B) & (C)	PC	0	3.00000	0.0033	0.009900

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97      PRODUCT CODE : 9420T0-270004-TV  
 Page Number : 17      DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
524-932901-01	CRT MOUNTING SCREW 7 X 40 VP (HARDEN) FOR CRT MTG	PC	0	4.00000	0.0774	0.309600
540-020030-01	EYELET 2 X 3 MM 2-L401,2-R414	PC	0	14.00000	0.0010	0.014000
540-020030-01	EYELET 2 X 3 MM 2-R416,1-Q402'C',2-FBT'1','2',1-Q904'C',4-L901	PC	0	0.00000	0.0010	0.000000
580-101004-00	STAND OFF TWIST TIE #ST-3 FOR 2 DOUBLE INSULATION WIRE	PC	0	1.00000	0.0422	0.042200
580-101261-01	CABLE TIE L=100MM 5-CRT BOARD,2-DY,2-SPK,WIRE,2-FBT,3-PW,SW.	PC	0	29.00000	0.0032	0.092800
580-101261-01	CABLE TIE L=100MM 3-MAIN PCB WIRE,1-CN003,CN002,2-CN301,CN302	PC	0	0.00000	0.0032	0.000000
580-101261-01	CABLE TIE L=100MM 9-DEGAUSSING COIL	PC	0	0.00000	0.0032	0.000000
622-882802-00	FELT L240 X W17 X T0.5MM      W/TAPE FOR REAR CABINET	PC	0	5.00000	0.0619	0.309500
744-881301-00	SPRING FOR C.R.T. MOUNTING 5,2 X 42 X 0.6MM	PC	0	1.00000	0.0474	0.047400
746-063101-00	TEST PIN:TOTAL LENGTH 18.6MM THK:0.8MM TP104,103	PC	0	2.00000	0.0036	0.007200
746-063101-01	AC LINE CORD PIN 2-AC LINE CORD,2-POWER SWITCH (X)(Y)	PC	0	4.00000	0.0109	0.043600
750-063101-00	SOLDERING LUG LEG:8X4MM FOR IC401,Q402,Q904	PC	0	3.00000	0.0022	0.006600
762-932001-00	MOUNTING CLIP FOR TELETEXT BOARD MTG.	PC	0	2.00000	0.0282	0.056400
766-686801-00	FUSE HOLDER	PC	0	2.00000	0.0135	0.027000
777-942101-00	SPRING IN 8.4 X L18 FOR POWER KNOB	PC	0	1.00000	0.0079	0.007900
779-921301-00	HEAT SINK FOR NICAM FOR IC901,IC103	PC	0	1.00000	0.0423	0.042300
779-932902-02	IRON HEAT SINK FOR IC201	PC	0	1.00000	0.1341	0.134100
781-882001-02	ALUMINIUM HEAT SINK (B) FOR Q402	PC	0	1.00000	0.1853	0.185300
781-942101-02	HEAT SINK (A) FOR Q904	PC	0	1.00000	0.4712	0.471200
781-942105-00	HEAT SINK (C) ASS'Y FOR IC401	PC	0	1.00000	0.4271	0.427100
783-881306-02	SHIELD CAN COVER	PC	0	1.00000	0.0671	0.067100
783-881313-01	SHIELD CAN	PC	0	1.00000	0.1130	0.113000
810-052204-14	POLYBAG 5" X 22" X 0.04MM      PO MAT W/RE-CYCLING MARK FOR AC LINE CORD	PC	0	1.00000	0.0137	0.013700
810-091504-13	POLYBAG 9" X 15" X 0.04MM W/      RE-CYCLING MARK FOR INSTRUCTION MANUAL	PC	0	1.00000	0.0145	0.014500
834-230802-00	RUBBER WASHER OD=23, ID=8, T=2 FOR CRT MTG	PC	0	4.00000	0.0213	0.085200
834-230805-00	RUBBER WASHER OD=23 ID=8 T=0.5 FOR CRT MTG (LOW)	PC	0	2.00000	0.0110	0.022000
840-011024-21	PAD CORD L240 X W10 X T1 MM      W/TAPE FOR FRONT CABINET	PC	0	6.00000	0.0377	0.226200

\*\* THIS SPARE LIST IS MADE FOR TECHNICAL / MAINTENANCE REFERENCE ONLY \*\*

Print Date : 11/09/97  
 Page Number : 18

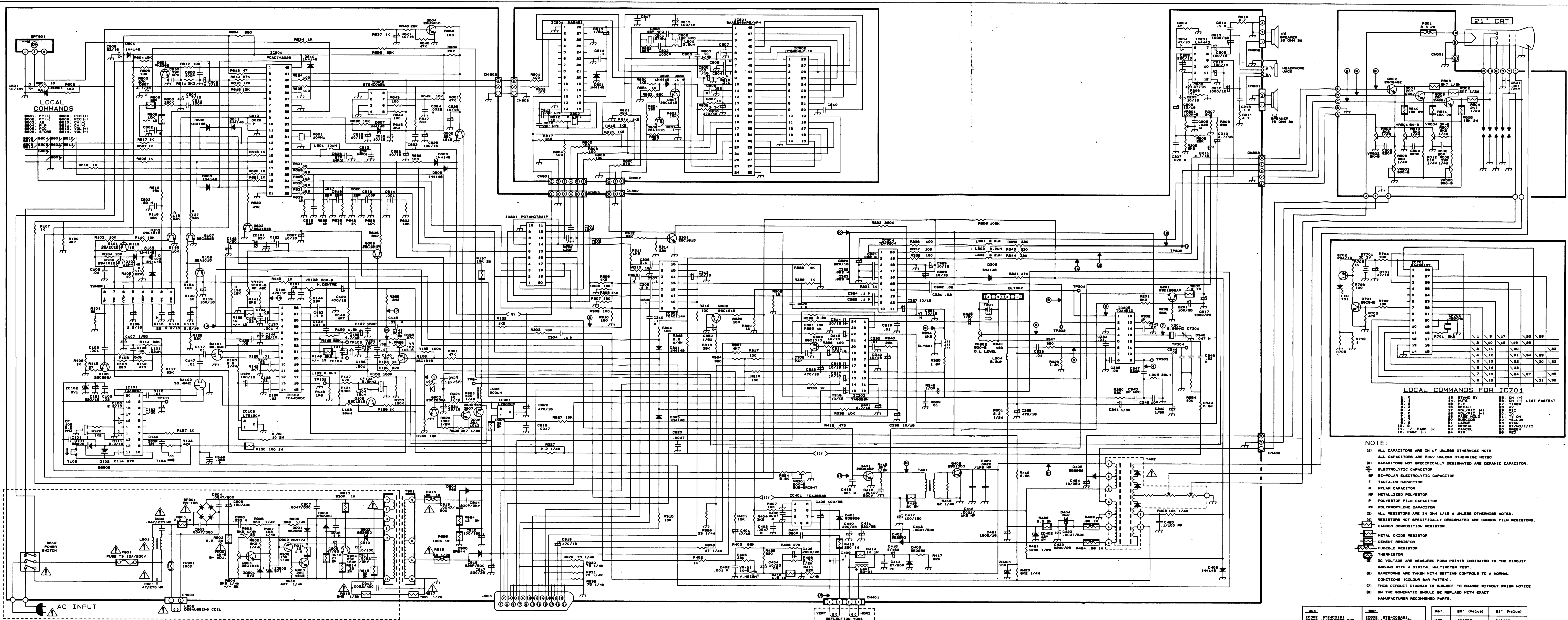
PRODUCT CODE : 9420T0-270004-TV  
 DESCRIPTION : (B)PAL BG/OPT.F.TXT/SC./H-PH. GREY(426U) 240V SAA(40P)"TEAC"

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
840-051020-11	RUBBER PAD (UL 94VO) 1-FOR FBT. 1-FOR TRANSFORMER	PC	0	2.00000	0.0948	0.189600
929-881301-00	LED HOLDER BKT FOR LED 601	PC	0	1.00000	0.0091	0.009100
939-942101-00	POWER KNOB ADAPTOR	PC	0	1.00000	0.0157	0.015700
954-882100-00	AC LINE CORD CLIP	PC	0	1.00000	0.0159	0.015900
954-892001-00	HIGH VOLTAGE SPACER FOR CRT	PC	0	1.00000	0.0333	0.033300
977-882001-01	PUSH BUTTON - BLACK MOULDED	PC	0	1.00000	0.0290	0.029000
991-942110-01	POWER KNOB(B)ABS BLACK MOULDED	PC	0	1.00000	0.0157	0.015700

ASSB PRICE : 62.178155

TOTALA PRICE : 182.0689

NO PRICE ITEM : 8  
 \*\*\* END OF REPORT \*\*\*

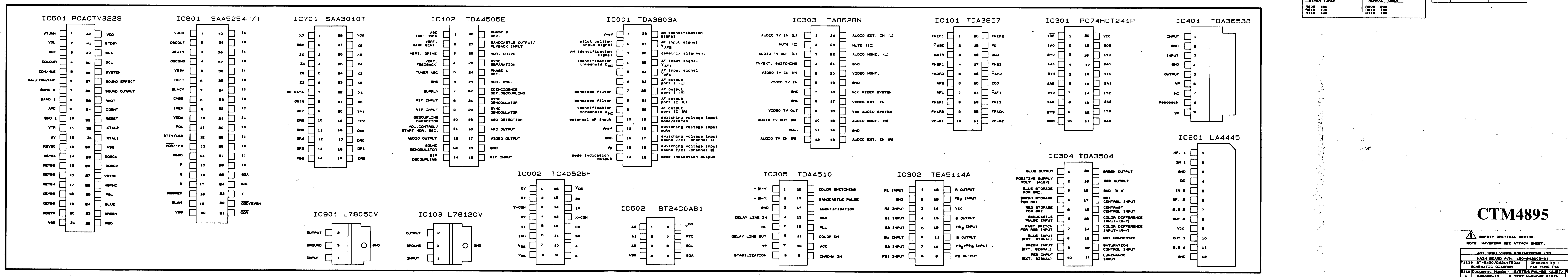


**LOCAL COMMANDS FOR IC701**

1	0	13	STAND BY	22	CH 1	31	LEFT PATTERN
2	1	14	MUTE	23	CH 2	32	RIGHT PATTERN
3	2	15	RF	24	CH 3	33	TEST
4	3	16	REC/PIC	25	CH 4	34	TEST
5	4	17	VOL/PIC	26	CH 5	35	TEST
6	5	18	TV ON	27	CH 6	36	TEST
7	6	19	TV OFF	28	CH 7	37	TEST
8	7	20	TEST	29	CH 8	38	TEST
9	8	21	TEST	30	CH 9	39	TEST
10	9	22	TEST	31	CH 10	40	TEST
11	10	23	TEST	32	CH 11	41	TEST
12	11	24	TEST	33	CH 12	42	TEST
13	12	25	TEST	34	CH 13	43	TEST
14	13	26	TEST	35	CH 14	44	TEST
15	14	27	TEST	36	CH 15	45	TEST
16	15	28	TEST	37	CH 16	46	TEST
17	16	29	TEST	38	CH 17	47	TEST
18	17	30	TEST	39	CH 18	48	TEST
19	18	31	TEST	40	CH 19	49	TEST
20	19	32	TEST	41	CH 20	50	TEST
21	20	33	TEST	42	CH 21	51	TEST
22	21	34	TEST	43	CH 22	52	TEST
23	22	35	TEST	44	CH 23	53	TEST
24	23	36	TEST	45	CH 24	54	TEST
25	24	37	TEST	46	CH 25	55	TEST
26	25	38	TEST	47	CH 26	56	TEST
27	26	39	TEST	48	CH 27	57	TEST
28	27	40	TEST	49	CH 28	58	TEST
29	28	41	TEST	50	CH 29	59	TEST
30	29	42	TEST	51	CH 30	60	TEST
31	30	43	TEST	52	CH 31	61	TEST
32	31	44	TEST	53	CH 32	62	TEST
33	32	45	TEST	54	CH 33	63	TEST
34	33	46	TEST	55	CH 34	64	TEST
35	34	47	TEST	56	CH 35	65	TEST
36	35	48	TEST	57	CH 36	66	TEST
37	36	49	TEST	58	CH 37	67	TEST
38	37	50	TEST	59	CH 38	68	TEST
39	38	51	TEST	60	CH 39	69	TEST
40	39	52	TEST	61	CH 40	70	TEST
41	40	53	TEST	62	CH 41	71	TEST
42	41	54	TEST	63	CH 42	72	TEST
43	42	55	TEST	64	CH 43	73	TEST
44	43	56	TEST	65	CH 44	74	TEST
45	44	57	TEST	66	CH 45	75	TEST
46	45	58	TEST	67	CH 46	76	TEST
47	46	59	TEST	68	CH 47	77	TEST
48	47	60	TEST	69	CH 48	78	TEST
49	48	61	TEST	70	CH 49	79	TEST
50	49	62	TEST	71	CH 50	80	TEST
51	50	63	TEST	72	CH 51	81	TEST
52	51	64	TEST	73	CH 52	82	TEST
53	52	65	TEST	74	CH 53	83	TEST
54	53	66	TEST	75	CH 54	84	TEST
55	54	67	TEST	76	CH 55	85	TEST
56	55	68	TEST	77	CH 56	86	TEST
57	56	69	TEST	78	CH 57	87	TEST
58	57	70	TEST	79	CH 58	88	TEST
59	58	71	TEST	80	CH 59	89	TEST
60	59	72	TEST	81	CH 60	90	TEST
61	60	73	TEST	82	CH 61	91	TEST
62	61	74	TEST	83	CH 62	92	TEST
63	62	75	TEST	84	CH 63	93	TEST
64	63	76	TEST	85	CH 64	94	TEST
65	64	77	TEST	86	CH 65	95	TEST
66	65	78	TEST	87	CH 66	96	TEST
67	66	79	TEST	88	CH 67	97	TEST
68	67	80	TEST	89	CH 68	98	TEST
69	68	81	TEST	90	CH 69	99	TEST
70	69	82	TEST	91	CH 70	100	TEST
71	70	83	TEST	92	CH 71	101	TEST
72	71	84	TEST	93	CH 72	102	TEST
73	72	85	TEST	94	CH 73	103	TEST
74	73	86	TEST	95	CH 74	104	TEST
75	74	87	TEST	96	CH 75	105	TEST
76	75	88	TEST	97	CH 76	106	TEST
77	76	89	TEST	98	CH 77	107	TEST
78	77	90	TEST	99	CH 78	108	TEST
79	78	91	TEST	100	CH 79	109	TEST
80	79	92	TEST	101	CH 80	110	TEST
81	80	93	TEST	102	CH 81	111	TEST
82	81	94	TEST	103	CH 82	112	TEST
83	82	95	TEST	104	CH 83	113	TEST
84	83	96	TEST	105	CH 84	114	TEST
85	84	97	TEST	106	CH 85	115	TEST
86	85	98	TEST	107	CH 86	116	TEST
87	86	99	TEST	108	CH 87	117	TEST
88	87	100	TEST	109	CH 88	118	TEST
89	88	101	TEST	110	CH 89	119	TEST
90	89	102	TEST	111	CH 90	120	TEST
91	90	103	TEST	112	CH 91	121	TEST
92	91	104	TEST	113	CH 92	122	TEST
93	92	105	TEST	114	CH 93	123	TEST
94	93	106	TEST	115	CH 94	124	TEST
95	94	107	TEST	116	CH 95	125	TEST
96	95	108	TEST	117	CH 96	126	TEST
97	96	109	TEST	118	CH 97	127	TEST
98	97	110	TEST	119	CH 98	128	TEST
99	98	111	TEST	120	CH 99	129	TEST
100	99	112	TEST	121	CH 100	130	TEST

- NOTE:**
- (1) ALL CAPACITORS ARE IN  $\mu$ F UNLESS OTHERWISE NOTED.
  - (2) ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.
  - (3) CAPACITORS NOT SPECIFICALLY DESIGNATED ARE CERAMIC CAPACITORS.
  - (4) ELECTROLYTIC CAPACITOR.
  - (5) BI-POLAR ELECTROLYTIC CAPACITOR.
  - (6) TANTALUM CAPACITOR.
  - (7) NYLON CAPACITOR.
  - (8) METALLIZED POLYESTER CAPACITOR.
  - (9) POLYPROPYLENE CAPACITOR.
  - (10) ALL RESISTORS ARE IN OHM 1/10 W UNLESS OTHERWISE NOTED.
  - (11) RESISTORS NOT SPECIFICALLY DESIGNATED ARE CARBON FILM RESISTORS.
  - (12) CARBON COMPOSITION RESISTOR.
  - (13) METAL OXIDE RESISTOR.
  - (14) CEMENT RESISTOR.
  - (15) FUSIBLE RESISTOR.
  - (16) THERMISTOR.
  - (17) DC VOLTAGE ARE MEASURED FROM POINTS INDICATED TO THE CIRCUIT.
  - (18) BRACKET WITH A DIGITAL MULTIMETER TEST.
  - (19) WAVEFORMS ARE TAKEN WITH SETTING CONTROLS TO A NORMAL CONDITION (COLOUR BAR PATTERN).
  - (20) THIS CIRCUIT DIAGRAM IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
  - (21) ON THE SCHEMATIC SHOULD BE REPLACED WITH EXACT MANUFACTURER RECOMMENDED PARTS.

IC601	PCACTV322S	IC801	SAA5254P/T	IC701	SAA3010T	IC102	TDA4505E	IC001	TDA3803A	IC303	TAB528N	IC101	TDA3857	IC301	PC74HCT241P	IC401	TDA3653B
IC901	L7805CV	IC103	L7812CV	IC602	ST24COAB1	IC304	TDA3504	IC305	TDA4510	IC302	TEA5114A	IC201	LA4445				



**CTM4895**

SAFETY CRITICAL DEVICE.  
 NOTE: WAVEFORMS SEE ATTACH SHEET.  
 INT-TECH VIDEO ENGINEERING LTD.  
 MAIN ROAD, P.O. BOX 180, BARNET, Herts. SG5 2EJ, UK.  
 1111 BT-BARNET/UK/TECH/INT-TECH VIDEO ENGINEERING LTD.  
 SCHEMATIC DIAGRAM PAM PUMP PAN  
 1111 BARNET/UK/TECH/INT-TECH VIDEO ENGINEERING LTD.  
 1111 BARNET/UK/TECH/INT-TECH VIDEO ENGINEERING LTD.  
 1111 BARNET/UK/TECH/INT-TECH VIDEO ENGINEERING LTD.