TEAC®

Service Manual

CTM5928TXT

59cm Colour Television

Effective: June 98

CTM5928SERV

MODEL:	CT-M5928TXT
PROBLEM:	Vertical Collapse

Vertical Collapse on 25" when TV is in hot conditions.

Instructions:
(inside the metal shield can)
R138 - change 330K metal film to 330K 1/16W carbon film type.
C143 – change 0.33uF Mylar Cap to 0.33uF Metalized Polyester Film Cap.

Regards,

Fabian Lubanovic
TEAC Australia Pty Ltd.

SPECIFICATION

SUPPLY VOLTAGE : AC220V 50Hz ≥ + 10% / -20%

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 :	25" - 29"									

ITEMS OF MEASUREMENT	STANDARD	UNIT
VIDEO SENS. AT S/N 30db L - VHF	≤ 57	dbuv
H - VHF	≤ 57	dbuv
UHF	≤ 60	dbuv
SOUND SENS. AT S/N 30db L - VHF	≤ 42	dbuv
H - VHF	≤ 42	dbuv
UHF	≤ 48	dbuv
AGC CHARACTER	≥ 60	db
SELECTIVITY -1.5 MHz	≥ 35	db
+ 8 MHz	≥ 40	db
COLOR SENS.	≤ 45	dbuv
COLOR LOCK - IN RANGE	≥ ±300	Hz
VERTICAL LOCK - IN RANGE	≥ 6	Hz
HORIZONTAL LOCK - IN RANGE	≥ 400	Hz
MAX BRIGHTNESS	≥ 100	cd/m2
MAX OUTPUT POWER	≥ 4.5	W
OUTPUT POWER AT 10% THD	≥ 3.5	W
BUZZ	≤ -40	db
AFC RANGE	≥ +1	MHz
	≥ -0.5	MHz
MIN. VOL HUM	≤ 20	mV
RESOLUTION HORIZONTAL	≥ 300	LINES
VERTICAL	≥ 400	LINES
LINEARITY DISTORTION VERTICAL	≤ 10	%
HORIZONTAL	≤ 10	%
RASTER DISTORTION	≤ 5	%
REMOTE CONTROL DISTANCE	≥ 5	METER
ANGLE	≥ ±15	DEGREE
POWER CONSUMPTION (AT NORMAL CONDITION)	≤ 120	WATTS
W / WOOFER POWER CONSUMPTION	≤ 150	WATTS
(AT NORMAL CONDITION)		
	≤ 0.4	%
CONVERGENCE DISLOCATION AT AREA "A"	≤ 0.8	%
AREA "B"		
(see fig.1)		

VIDEO INPUT LEVEL : 1.0V p-p ±3dB
VIDEO OUTPUT LEVEL : 1.0V p-p ±3dB

L / R AUDIO INPUT LEVEL : 0.5V Rms ±3dB
L / R AUDIO OUTPUT LEVEL : 0.5V Rms ±3dB

WOOFER AUDIO INPUT LEVEL : 125mV Rms ±25mV
WOOFER AUDIO FREQUENCY : 100Hz ±3Hz
WOOFER SUPPLY VOLTAGE DC : 18V ±1V
WOOFER MAX OUTPUT POWER : ≥7.5 WATTS

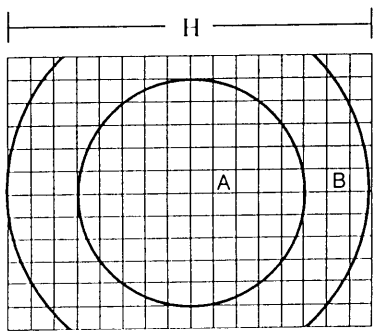


Fig.1

ALIGNMENT INSTRUCTION

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.
6. An isolation transformer should be used during any dynamic service to avoid possible shock hazard.

TEST EQUIPMENT

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

CONVERGENCE ADJUSTMENT (SEE FIG.2)

1. Receive a dotted pattern input signal 70dB ± 10dB.
2. Unfix the convergence magnet clamper 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 clamper.
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.

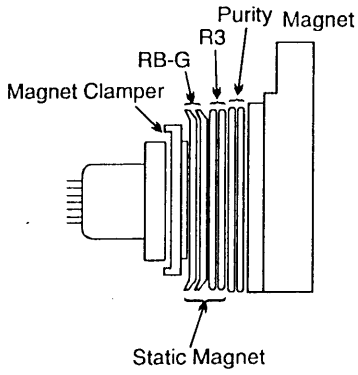


Fig. 2

AFC ALIGMENT

1. Connect Philips Pattern Generator to tuner IF out and Ground (Freguency is as FROM 1 colour bar input signal level is 80dB ±3dB).
2. Connect VOLT Ohmmeter to PIN18 and Ground to IC102.
3. Adjust T101 to obtain a DC 7V ±0V.

SOUND TANK COIL ALIGMENT

1. Connect Philips Pattern Generator to tuner IF point and Ground. (see fig.3)
   (Frequency selection is subjected to require system as Form.1)
2. Connect Volt Ohmmeter to PIN12 and Ground at IC101.
3. Adjust T103 to obtain a DC2.8V ±0.1V.

* VIF signal is 80dB +3dB

SYSTEM	VIF	UNIT
PAL BG, BG / DK, I / I	38.9M	Hz
PAL I	39.5M	Hz
PAL DK / I (W / NICAM)	38.9M	Hz

FORM.1

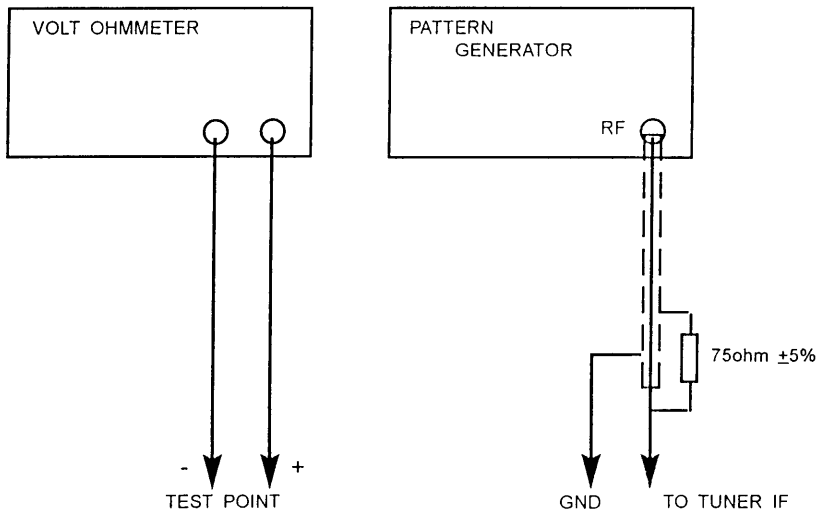
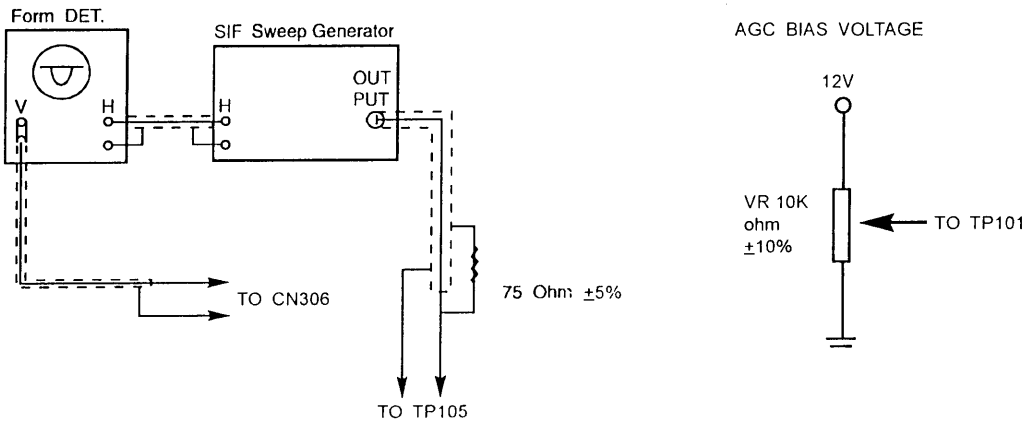


Fig.3

Remark: All frequency of marker point can have ±0.2% tolerance.

SOUND DEMODULATION ALIGMENT

1. Connect 14V ±1V B+ bias voltage to D404 (-) and Ground.
2. Connect 14V ±1V B+ bias voltage to C923 (+) and Ground.
3. Connect the sweep generator to TP105. (frequency refer to SIF form)
4. Connect waveform detect to PIN1 and PIN3 (for german stereo system) at CN306.
5. Connect AGC Bias voltage to TP101.
6. The output of sweep generator should be -30dB ±5dB.
   Remark: All frequency of marker point can have +0.2% tolerance.



7. Adjust T104 to obtain the waveform as Fig.4

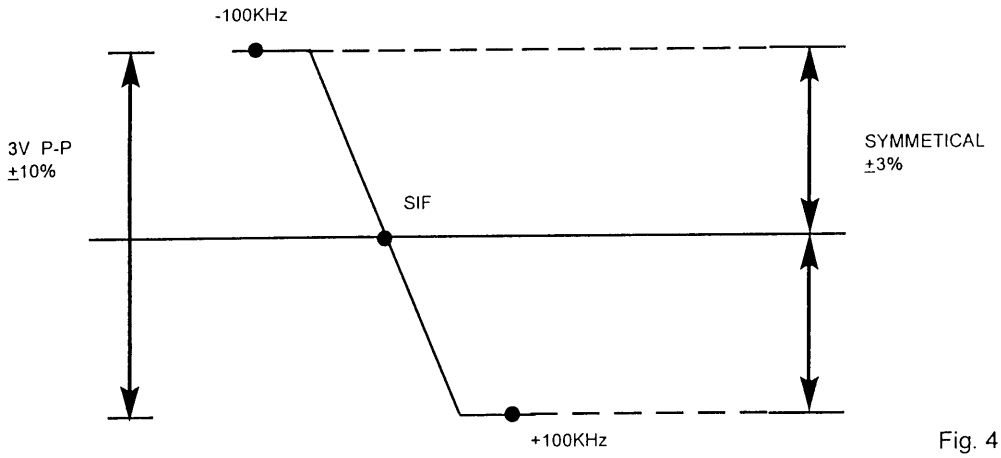


Fig. 4

ADJUSTMENT / SYSTEM \ SIF	T104
PAL BG	5.5MHz
PAL BG / DK, DK / I, I / I	6.0MHz

FORM. 2

GERMAN STEREO SIF ADJUSTMENT

Adjust T102 to obtain the waveform as FIG. 5

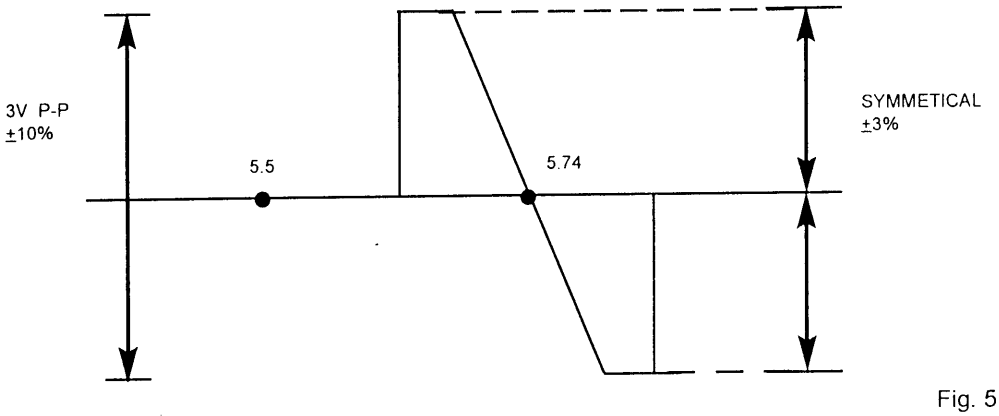


Fig. 5

STEREO AND DUAL SOUND ALIGNMENT

1. Receive colour bar pattern (with stereo and Dual Sound).
2. Connect oscilloscope to TP001, adjust VR001 with stereo signal to get a max waveform as Fig.6.
3. Connect osilloscope to TP002, adjust VR003 with dual signal to get a max waveform as Fig.7.
4. Adjust T001 to get a max amplitude on both dual and stereo.

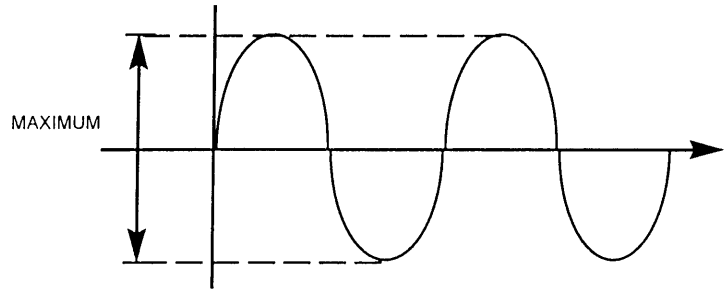


FIG.6

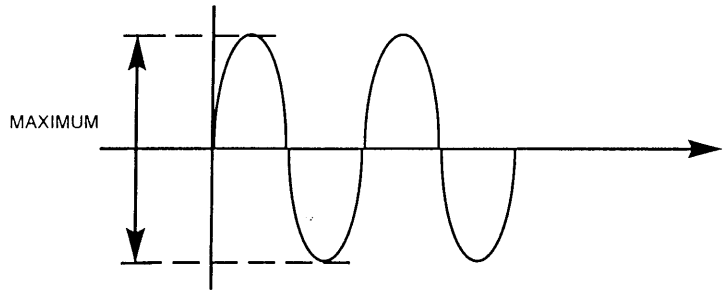
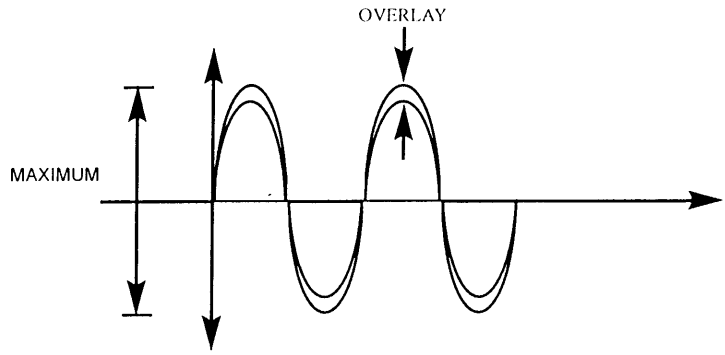


FIG.7

The above procedures are suitable only for IC TDA8416 circuit.

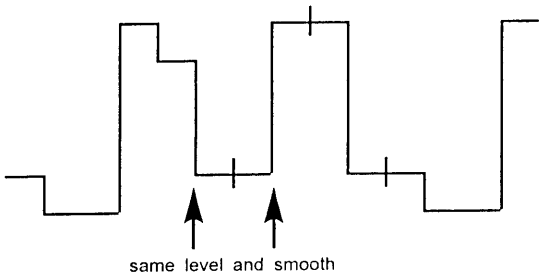
SEPARATION ALIGNMENT

1. Receive color bar pattern (with stereo sound, L=3KHz R=1KHz).
2. Connect oscilloscope to PIN1 at CN201 and ground.
3. Adjust Volume control to maximum obtain a waveform no distortion.
4. Adjust VR002 or VR060 (for IC TDA8416) to obtain warefrom as follow.

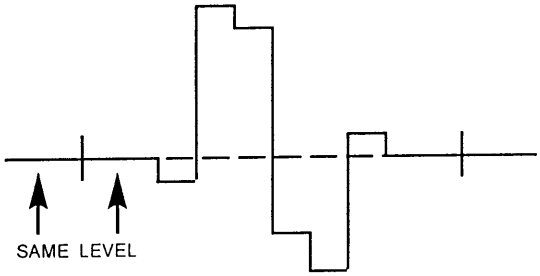


SECAM COLOUR ADJUSTMENT

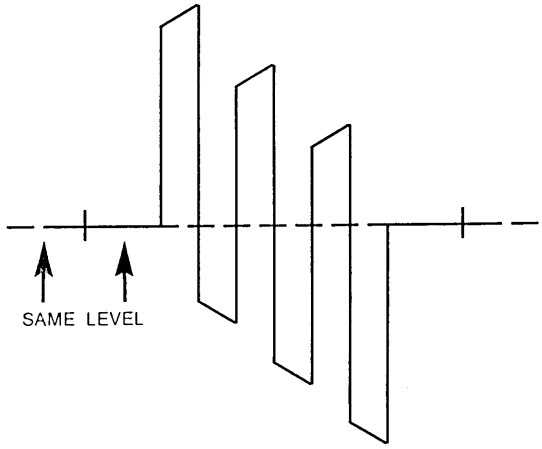
1. Receive a secam colour bar signal (input signal 70dB ±10dB.)
2. Connect oscilloscope to PIN19 on IC307.
3. Adjust colour control to maximum.
4. Adjust T305 to get the waveform as follows.



5. Connect scope to PIN1 and PIN3 on IC307.
6. Adjust T301 and VR301 to get the waveform as follows.



(PIN 1)

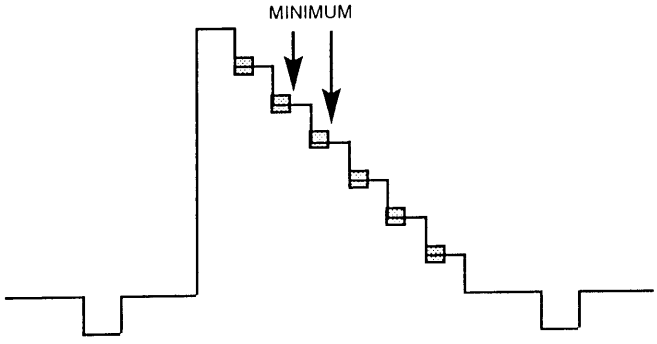


(PIN 3)

SECAM CHROMA TRAP ADJUSTMENT

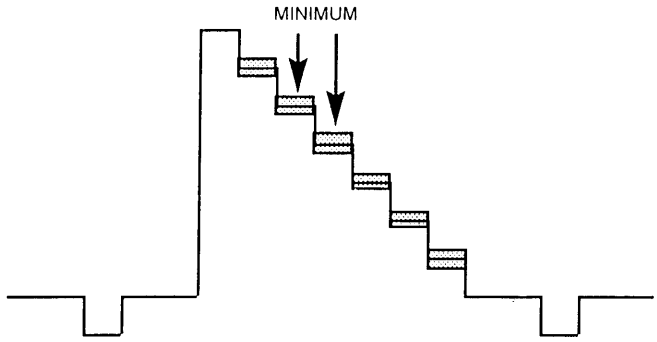
1. Receive secam color bar signal (input signal 70dB +10dB.)
2. Connect scope to PIN20 on IC304.
3. Adjust colour control to minimum.
4. Adjust T302 to get the waveform as follow.

Remark: Frequency of marker point can have ±0.2% tolerance.



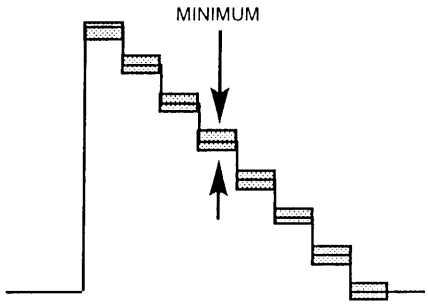
NTSC CHROMA TRAP ADJUSTMENT

1. Receive a NTSC colour bar signal from AV input.
2. IC304 PIN20.
3. Adjust color control to minimum.
4. Adjust T303 to get the waveform as follow.



PAL CHROMA TRAP ADJUSTMENT (FOR DK / I)

1. Receive PAL colour bar signal (input signal 70dB ±10dB.)
2. Connect scope to PIN20 on IC304.
3. Adjust colour control to minimum.
4. Adjust T302 to get the waveform as follow.



PAL CHROMA ALIGNMENT (PAL ONLY)

1. Connect OSC to PIN15 of IC307 through a 10K ±5% resistor.
2. Receive a PAL colour bar signal (input signal 70dB ±10dB.)
3. Adjust T305 to get a maximum amplitude waveform.

Remark: All frequency of marker can have ±0.2% tolerance.

B+ ADJUSTMENT

1. Connect a digital volt meter to TPB+ and ground.
2. Set Brightness, contrast and colour to minimum the screen just be seen.
3. Adjust VR301 and screen volume on FBT to brightest bar can just be screen.
4. Adjust VR901 and obtain a reading of 143V ±1V.

HORIZONTAL CIRCULT ADJUSTMENT

1. Receive Monoscope Pattern input signal 70dB ±10dB.
2. Connect terminal 25 PIN of IC102 and the ground with the Elect.cap 10uF / 16V +10%.
3. Adjust VR103 to obtain the picture running at centre.
4. Adjust VR102 to obtain the picture at centre.

VERTICAL CIRCULT ADJUSTMENT

1. Receive the Monoscope Pattern.
2. Adjust V - size (VR401) to obtain a normal picture.

WHITE BALANCE ALIGNMENT STEP

(degauss the picture by degaussing coil if necessary)
1. Set the brightness, contrast, screen and picture control to minimum value.
2. Turn VR501 to middle position. Turn VR502, 503, 504, 505 to minimum position.
3. Receive a monoscope or Philips pattern, input signal 70dB ±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 at 170V ±3V.
6. Adjust screen volume on FBT to brightest bar can just be screen.
7. Receive a black and white pattern, input signal 70dB ±10dB or video input 1Vp-p ±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) ±3JND.

SUB - BRIGHTNESS ALIGNMENT

1. Receive a Philips pattern, input signal 70dB ±10dB.
2. Turn the brightness, contrast and colour to minimum.
3. Adjust VR301 until the brightest bar can just be screen.

FOCUS ALIGNMENT

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

PAL EAST WEST CORRECTION ADJUSTMENT

1. Receive crosshatch pattern input signal 70dB ±10dB.
2. Turn the brightness, contrast to middle position.
3. Adjust VR402 to get a normal regular picture.
4. Adjust VR403 to get a proper horizontal width.

NTSC EAST WEST CORRECT ADJUSTMENT

1. Receive crosshatch pattern and centre cross pattern, input signal.
2. Turn the brightness, contrast to middle position.
3. Adjust VR404 to get a normal regular picture.

AGC ALIGNMENT

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 AGC terminal and ground.
3. Adjust the AGC variable resistor (VR201) to the MAXIMUM position (clockwise) and then adjust the VR anti-clockwise until the voltage drop down ≥0.4.

Remark: (1) the voltage drop down must be close to 0.4V.
(2) No noise on the picture.

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	TECC1986VAO618	60±2dB
UVC1401-EW	57±2dB	TBD1-HYPV15V	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		

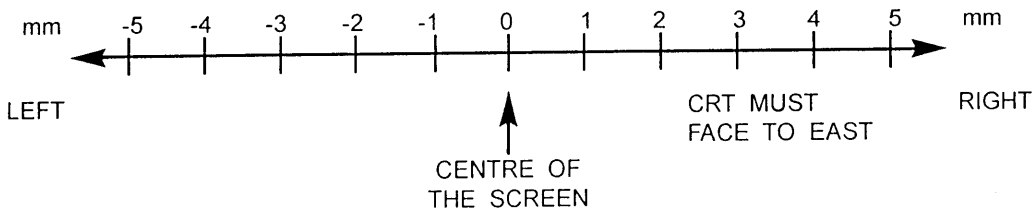
HIGH POT TESTING

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 ≤ ±3% tolerance.

CONDITION / STAFETY STD.	TEST SYANDARD	TEST STANDARN FOR PRODUCTION
VDE, SAA	3.0KV 10mA / 1MIN	≥3.5 KV ≤10mA / ≥10 SEC.
BS	4.0KV 10mA / 1MIN	≥4.0 KV ≤10mA / ≥10 SEC.
CHINA STANDARD	3.0KV 10mA / 1MIN	≥3.3 KV ≤ 5mA / ≥ 6 SEC.

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



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

VOLTAGE TABLE FOR TRANSISTOR (ONLY FOR REFERENCE)							
TR / LOCATION	B (V)	C (V)	E (V)	TR / LOCATION	B (V)	C (V)	E (V)
Q101	10.2	10.9	11	Q307	10 mV	11.1	0
	11.1	0	11.1	Q308	10 mV	11.1	0
Q102	10.9	3 mV	11	Q401	0.4	8.4	0
	11	3mV	11.1	Q402	-0.1	113	0
Q103	0.6	5mV	0	Q403	1.7	10.9	0.1
	30 mV	11	0	Q404	10.8	0.6	11.4
Q104	36 mV	11	0	Q405	0.6	9.1	11.4
	36 mV	11	0	Q406	10 mV	1.7	1.2
Q105	1	8	0.3	Q501	3.55	123.0	3.0
Q106	12 mV	2.4	0	Q502	3.5	126.0	3.0
Q107	30 mV	11	0	Q503	3.5	137.6	3.0
	0.64	46 mV	0	Q601	0.6	1.1	0
Q108	11	0.1	11	Q602	0.6	56 mV	3 mV
	10.2	11	11.1	Q603	8.6	10.9	8.3
Q109	3.7	11	3.1	Q604	2 mV	0.25	0
Q201	18.6	18	18	Q605	0.26	1.1	0
Q302	1.9	1.7	0	Q905	0.6	0.6	0
Q303	42	80.8	0	Q909	-36.4	202	-35
Q304	3.8	11.1	3.1	Q910	-31	-30	-31
Q305	50 mA	11.1	10 mV	Q911	-26	-30	-31
Q306	-3	10.5	0	Q912	-22	-18.4	-30

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST	:	Maximum Position
BRIGHINESS	:	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)						
SYMBOL / PIN NO.	IC801 (V)	IC802 (V)	IC804 (V)	IC102 (V)	IC101 (V)	IC401 (V)
1	5	NC	GEN	5.1	1.7	2.2
2	1.8	4.2	4.2	2.8	2.1	0.00
3	1.9	2.2	4.3	3.7	2.5	1.6
4	0.03	2.2	NC	3.4	0.937	0.00
5	GEN	3.8	NC	3.9	1.82	0.13
6	4.9	1.3	NC	0.0	2.17	25.0
7	2.2	1.2	NC	11.5	2.17	1.9
8	2.4	3.6	NC	5.5	1.8	4.35
9	2.5	3.6	NC	5.5	1.8	24.34
10	5.0	3.7	NC	2.4	4.1	
11	GEN	0	NC	1.88	4.1	
12	2.1	0.3	5.0	2.46	2.79	
13	5	4.2	GEN	3.0	0.04	
14	GEN	GND	GEN	1.5	1.67	
15	0.42	0.6	2.3	2.29	1.77	
16	0.5	0.5	2.0	0.0	2.95	
17	0.4	0.5	0	3.5	0.03	
18	3.8	0.3	GEN	6.28	0.00	
19	4.5	0.5	NC	6.18	5.15	
20	0.8	GND	NC	5.6	1.78	
21	2.5	4.2	NC	5.6		
22	NC	2.5	NC	9.4		
23	4.3	0.8	GEN	2.8		
24	4.3	0.8	NC	2.9		
25	GEN	0.8	NC	4.5		
26	0.5	5.0	GEN	0.787		
27	0.5	5.0	NC	1.18		
28	0.5	5.0	5.0	3.3		
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						

SYMBOL / PIN NO.	IC901 (WIDE VOLT PW P.C.B) (V)
1	306
2	0
3	0
4	2
5	0
6	0
7	0
8	-0.5
9	-1.6
10	
11	
12	
13	

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST	:	Maximum Position
BRIGHINESS	:	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)						
SYMBOL / PIN NO.	IC302 (V)	IC303 (V)	IC304 (V)	IC305 (V)	IC306 (V)	IC307 (V)
1	3.649	5.2	3.29	4.1	5.56	6.5
2	0	0	11.8	0.03	0.00	7.2
3	3.65	4.07	8.2	3.39	0.00	6.5
4	3.65	0.00	0.00	3.39	0.00	7.22
5	3.65	3.966	7.8	2.5	0.627	9.65
6	3.68	3.904	0.1	4.8	0.00	9.6
7	3.68	0.00	0.00	4.18	0.87	4.34
8	0.004	0.00	0.00	4.26	0.00	3.45
9	0.115	4.3	4.3	4.97	5.5	0.00
10	0.01	4.06	4.1	11.4	0.00	4.38
11	3.027	0.39	2.9	2.34	3.01	0.00
12	0.0	5.28	0.00	10.0	3.01	2.32
13	2.99	5.3	0.00	0.00	0.00	11.5
14	11.838	0.00	4.06	1.2	1.36	5.7
15	0.016	4.63	4.09	7.4	0.00	3.36
16	2.98	4.6	2.3	3.7	1.37	7.9
17		3.46	2.06	0.00		2.5
18		0.00	0.00	0.00		7.6
19		0.00	3.36			2.8
20		3.8	3.33			7.68
21		0.00				2.7
22		4.578				5.47
23		0.00				7.2
24		5.315				1.26
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NOTE: VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST	:	Maximum Position
BRIGHINESS	:	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 STEREO TDA3803A)						
SYMBOL / PIN NO.	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						
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NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST	:	Maximum Position
BRIGHINESS	:	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 IC TDA7280)						
SYMBOL / PIN NO.	IC005 (V)	IC006 (V)	IC007 (V)	IC008 (V)	IC009 (V)	IC010 (V)
1	2.1	2.0	5.2	5.2	2.6	5.2
2	0.78	GND	1.4	1.4	2.6	NC
3	0.61	2.3	1.4	1.4	2.6	NC
4	0.61	5.3	GND	GND	GND	5.2
5	0.61	3.9	5.2	5.2	5.2	GND
6	GND	4.0	5.2	5.2	1.4	5.2
7	GND	4.0	5.2	5.2	1.4	GND
8	GND	3.9	11.4	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
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NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST	:	Maximum Position
BRIGHINESS	:	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 IC TDA7282, IC001, IC002) (FOR G.STEREO IC TDA8416, IC060)						
SYMBOL / PIN NO.	IC601 (V)	IC001 (V)	IC002 (V)	IC060 (V)		
1	4.6	2.49	2.427	5.07		
2	0.08	5.21	GND	4.96		
3	1.759	5.07	2.282	5.97		
4	2.528	5.07	5.33	1.443		
5	2.527	0.011	0.03	GND		
6	0.03	5.18	4.12	3.212		
7	0.03	4.97	4.13	3.210		
8	3.66	4.85	3.95	3.211		
9	2.62	GND	3.957	3.212		
10	5	2.429	2.223	3.213		
11	GND	2.383	4.17	3.26		
12	4	2.37	0.007	3.258		
13	4.9	0.012	4.18	3.9		
14	4.96	0.418	GND	2.89		
15	4.96	2.462	2.502	11.12		
16	4.96	2.427	4.54	GND		
17	4.96	2.43	4.55	3.252		
18	0.1	GND	4.55	11.12		
19	4.97	2.43	GND	5.07		
20	4.98	0.019	3.287	GND		
21	GND	0.019				
22	0.005	0.014				
23	0.007	2.383				
24	0.015	0.005				
25	0.016	5.04				
26	0.443	4.97				
27	-0.073	4.98				
28	5	2.5				
29	5	2				
30	GND	1.97				
31	2.46	2.114				
32	2.119					
33	5					
34	1.32					
35	4.98					
36	0.031					
37	4.99					
38	GND					
39	5.01					
40	5					
41	0.115					
42	5					
43						
44						

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

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

PART NUMBER	DESC	QTY	DESTINATION
107-800455-4G	RESONATOR 455 KHZ ET455Z PO TUNG	1	CF701
113-101005-17	CARBON FILM RESISTOR 100 OHM 1/16W +-5%	2	R704,706
113-102005-17	CARBON FILM RESISTOR 1K OHM 1/16W +-5%	1	R705
113-103005-17	CARBON FILM RESISTOR 10K OHM 1/16W +-5%	1	R702
113-109005-17	CARBON FILM RESISTOR 1 OHM 1/16W +-5%	1	R709
113-473005-17	CARBON FILM RESISTOR 47K OHM 1/16W +-5%	1	R703
113-682005-17	CARBON FILM RESISTOR 6.8K OHM 1/16W +-5%	1	R701
127-476042-0D	ELECT CAP. 47 MFD 16V +-20% "NAM TUNG"	1	C701
130-600101-0G	INFRARED EMITTER EL-1L1 KODENS HI "GUANG ZHOU XIONGGUANG"	1	LED701
131-210719-29	TRANSISTOR 2SA719R/S MATSUSHITA	1	Q702
131-230945-00	TRANSISTOR 2SC945 NEC	1	Q701
133-803010-33	I.C. SAA3010T PHILIPS	1	IC701
172-726000-99	BARE WIRE 54MM	0.1	W701
190-R63301-P2	REMOTE P.C.B. (050896)	1	
516-260408-10	SELF-TAPPING SCREW 2.6 X 8 P/T (HARDEN)	2	FOR HANDSET
774-R63301-00	BATTERY SPRING (+VE)	1	
774-R63302-00	BATTERY SPRING (-VE)	1	
774-R63303-00	BATTERY SPRING (+-VE)	1	
810-041104-13	POLYBAG 4" X 11" X 0.04MM W/RE-CYCLING MARK	1	FOR HANDSET
849-R63301-00	KEY PAD {FULL 40 KEYS}	1	
892-R63303-08	DIAL KEY PLATE - ENG STD W/TXT ,W/O SYS (613 MODEL) (TEAC)	1	
900-R63302-03	HANDSET TOP CABINET -MATT BLK. SPRAYED W/SILVER 8001C S.S.	1	{MATCH W/902-R63302-03}
902-R63302-03	HANDSET BOTTOM CABINET - MATT BLACK SPRAYED	1	{MATCH W/900-R63302-03}
910-R63301-71	HANDSET BATTERY DOOR - TEAC DESIGN(RC-696)(CT-M5928TXT)BLK	1	
973-R63301-00	VOLUME/CHANNEL KNOB - MOULDED BLACK	1	
105-399103-08	FIXED INDUCTIVE COIL 3.9 UH +-10% (WITTIS)	1	L801
113-100105-17	CARBON FILM RESISTOR 10 OHM 1/4W +-5%	1	R803
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5%	6	R804,805,806,808,801,802
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5%	3	R807,851,820
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5%	1	R852
113-152105-17	CARBON FILM RESISTOR 1.5K OHM 1/4W +-5%	1	R850
113-182105-17	CARBON FILM RESISTOR 1.8K OHM 1/4W +-5%	4	R816,817,814,815
113-273105-17	CARBON FILM RESISTOR 27K OHM 1/4W +-5%	1	R810
113-332105-17	CARBON FILM RESISTOR 3.3K OHM 1/4W +-5%	2	R822,809
113-391105-17	CARBON FILM RESISTOR 390 OHM 1/4W +-5%	1	R821
113-472105-17	CARBON FILM RESISTOR 4.7K OHM 1/4W +-5%	1	R855
113-561105-17	CARBON FILM RESISTOR 560 OHM 1/4W +-5%	1	R854
113-681105-17	CARBON FILM RESISTOR 680 OHM 1/4W +-5%	1	R853
123-100340-60	CERAMIC CAP. 10PF +-5% 50V (SL TYPE)	1	C802
123-102350-90	CERAMIC CAP. 0.001 MFD 50V +-10% (B TYPE)	1	C801
123-104270-90	CERAMIC CAP. 0.1 MFD 25V +80 -20%	4	C803,807,810,851
123-150340-93	CERAMIC CAP. 15 PF 50V +-5% (NPO)	1	C808
126-104071-01	MYLAR CAP. 0.1 MFD 50V +-10%	3	C804,809,850
126-223071-01	MYLAR CAP. 0.022 MFD 50V +-10%	1	C806
127-107042-0D	ELECT CAP. 100 MFD 16V +-20% "NAM TUNG"	1	C805

PART NUMBER	DESC	QTY	DESTINATION
127-477042-0T	ELECT CAP. 470 MFD 16V +-20% {TAPING} "NANTONG"	1	C818
130-134148-01	SILICON DIODE IN4148	1	D805
131-211015-00	TRANSISTOR 2SA1015 TOSHIBA	1	Q802
131-231815-0A	TRANSISTOR 2SC1815 TOSHIBA	1	Q801
133-165246-33	I.C. SAA5246AP/T PHILIPS	1	IC801
133-307688-67	I.C. GM76C88L-15 GOLDSTAR	1	IC802
137-270000-33	CRYSTAL 27 MHZ 16PF "GIC"	1	X801
160-103255-27	PIN CONNECTOR 3 PINS PLUG	4	CN802,803,602,302
160-106255-27	PIN CONNECTOR 6 PINS WAFER (SHS) S11-W	2	CN801,301
172-726000-99	BARE WIRE 54MM	0.4	W808-809,812,815-816,818
190-93290A-XF	TELETEXT P.C.B. (060596)	1	
191-301202-10	3 PIN SOCKET ASS'Y L=110MM	1	CN602 TO CN803
191-301214-10	3 PIN SOCKET ASS'Y L=240MM	1	CN302 TO CN802
191-601201-00	6 PIN SOCKET ASS'Y	1	CN301 TO CN801
514-303408-10	SELF-TAPPING SCREW 3 X 8 B/T (HARDEN)	2	FOR TELETEXT BOARD MTG.
509-305010-00	MACHINE SCREW 3 X 10 KM (BLACK)	2	JACK PLATE MTG.
514-400425-10	SELF-TAPPING SCREW 4 X 25 B/T (HARDEN)	10	FOR CABINET MTG.
514-400435-10	SELF-TAPPING SCREW 4 X 35 B/T (HARDEN)	3	FOR CAB.MTG.(BOTTOM)
515-303408-10	SELF-TAPPING SCREW 3 X 8 W/B/T (HARDEN)	1	FOR AC LINE CORD
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN)	14	6-POWER BOARD,8-SPK.MTG.
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN)	6	2 FOR FUNCTION PCB,2 FOR REMOTE SENSOR PCB
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN)	0	1 FOR VOLUME KNOB
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN)	0	1 FOR FRONT CABINET & LENS
515-303412-10	SELF-TAPPING SCREW 3 X 12 W/B/T (HARDEN)	13	FOR MAIN PCB
524-962502-00	CRT MTG. SCREW 7 X 25 VP *** NARROW PITCH ***	4	FOR GOLDSTAR,SAMSUNG CRT
622-825F01-00	FELT L240 X W17 X T0.3MM W/TAPE	7	7 FOR FRONT CABINET
622-882802-00	FELT L240 X W17 X T0.5MM W/TAPE	5	5 FOR BETWEEN CRT AND FRONT CAB.
630-238010-00	FIBRE WASHER OD=23 , ID=8 T=1MM	4	FOR CRT MTG.
748-206515-00	WASHER	4	FOR CRT MTG.
777-932501-00	POWER KNOB SPRING IN DIM 10MM X L12MM	1	FOR POWER KNOB
810-052204-14	POLYBAG 5" X 22" X 0.04MM W/RE-CYCLING MARK {P/O MAT}	1	FOR AC LINE CORD
834-230801-00	RUBBER WASHER OD=23 , ID=8 , T=1.0	8	FOR CRT MTG.
840-051030-11	RUBBER PAD (ONE SIDE W/TAPE)	10	4 FOR SPEAKER SIDE,6 FOR CRT MTG.
920-932901-U0	P.C.B. MTG. BRACKET	1	
929-821B01-00	LED BRACKET	1	
939-892001-00	POWER KNOB ADAPTER	1	
954-729A01-00	STUD POST BLACK ABS	6	
954-882100-00	AC LINE CORD CLIP	1	
954-882804-00	HIGH VOLTAGE CABLE SPACER	3	FOR FBT

PART NUMBER	DESC	QTY	DESTINATION
977-829B02-00	FUNCTION KNOB (FOR VOLUME CHANNEL FUNCTION)	1	
977-829B11-00	FUNCTION KNOB (FOR CHANNEL SETTING)	1	
107-731500-00	SAW FILTER TSB-5308U (SANYO)	1	SA102
107-738916-00	SAW FILTER TSF-5316 SANYO	1	SA101
113-153105-17	CARBON FILM RESISTOR 15K OHM 1/4W +-5%	2	R116,610
113-223101-67	METAL FILM RESISTOR 22K OHM 1/4W +-1%	1	R606
166-281922-40	SPEAKER 2-1/4" X 5" 8 OHM 10W #YDP-613-2B-SP "TCL"	2	
186-624500-11	HI-WATT SUPER HEAVY DUTY 1.5V 0% MERCURY 3A ER03X ALUM.CASE	2	PACKED INTO GIFT BOX
191-401005-10	4 PIN SOCKET ASS'Y L=450MM	1	FOR CRT
514-300410-00	SELF-TAPPING SCREW 3 X 10 B/T (HARDEN) {BLACK}	4	4 FOR AV PCB & FRONT CABINET
610-962521-0M	GIFT BOX-TEAC (C) DESIGN (CT-M 5928TXT) W/C-TICK,H-PHONE JACK	1	FOR NEXT ORDER
618-825B01-00	PACKING PAD	2	
663-230022-99	SERIAL NO.LABEL - OC:GT-022/99	3	2PCS ON R & L SIDES OF EACH CTN,1PC ON R/LABEL
669-825B01-09	RATING LABEL - TEAC (C) DESIGN (CT-M5928TXT) 240V	1	
670-825B00-21	I/MANUAL - TEAC (B) DESIGN (CT-M5928TXT) W/HEADPHONE JACK	1	FOR NEXT ORDER
678-825B01-07	SCREEN STICKER - TEAC (A) DESIGN (CT-M5928TXT)	1	FOR NEXT ORDER
678-825B02-01	EASY TUNE CARD (A1) - TEAC DESIGN	1	
678-931315-07	TOTAL CARE LAEBL - TEAC (B) DESIGN	1	
690-942039-02	WARRANTY CARD -TEAC (C) DESIGN	1	
693-825B01-08	EAN CODE LABEL - TEAC DESIGN (CT-M5928TXT)	2	STUCK ON L & R SIDES OF EACH CTN
703-825B11-03	SPK.GRILLE - METALLIC GREY (8403C)SPY 0.5MM THK í1.0 HOLE	2	
710-932901-01	NAME PLATE - TEAC (B) DESIGN (BIG SIZE) (ELECTROFORMED)	1	SUPPLIED BY VIDEO EPOCH
800-825B05-00	POLYFAOM - TOP LEFT (W/O WOOFER AND W/WOOFER)	1	
800-825B06-00	POLYFOAM - TOP RIGHT (W/O WOOFER AND W/WOOFER)	1	
800-825B07-00	POLYFOAM - BOTTOM LEFT (W/O WOOFER AND W/WOOFER)	1	
800-825B08-00	POLYFOAM - BOTTOM RIGHT (W/O WOOFER AND W/WOOFER)	1	
810-091504-13	POLYBAG 9" X 15" X 0.04MM W/ RE-CYCLING P.E.MARK	1	FOR I/MANUAL
810-455304-60	POLYBAG 45"X53"X0.04MM (TEAC DESIGN CT-M596SR)	1	FOR UNIT
826-432005-00	FOAM SHEET - 43" X 20" X 0.5MM THK	1	FOR TOP
834-230802-00	RUBBER WASHER OD=23, ID=8, T=2	4	FOR CRT MTG.
884-932934-02	JACK COVER PLATE - TEAC DESIGN	1	
900-825B01-06	FRONT CABINET (B) - METALLIC GREY (8403C)	1	
917-829B02-19	FUN.LENS-TEAC (B) DESIGN (CT-M 5928TXT) W/CLEAR,H-PHONE JACK	1	FOR NEXT ORDER
980-932923-U0	JACK PLATE W/BRASS INSERT (521 -882001-00 2PCS/SET) UL 94V0	1	

PART NUMBER	DESC	QTY	DESTINATION
991-829B01-01	POWER KNOB - METALLIC GREY (8403C)	1	
002-125226-48	25" CRT #A59KYL220X06S S/H DY# 153-144R (AUSTRALIA) GOLDSTAR	1	#
002-125260-48	25" CRT S/H #A59KYL220X06V (AUSTRIALIA) "LG CHEUNG SHA"	0	# (REF:GTVM98-004)
008-600251-05	DEGAUSSING COIL 60T (W/FIVE LAYERS OF TAPE)	1	# L903
171-550084-B0	7" SAA APP LINE CORD 2-PIN PLUG	0	#
171-550084-D0	84" AC LINE CORD W/SAA APP. 10A 250V	1	#
171-550084-D1	7' SAA APP. LINE CORD W/PLUG E-CUTTING 45MM,15MM PVC HOLDER	0	#
902-942511-U6	BACK CABINET - METALLIC GREY (8403C)	1	#
003-131372-07	TUNER OSCAR 2900KKC 3X1 772 "TELEFUNKEN" (HIGH JACK)	1	# TUNER
003-131769-07	TUNER HYPER BAND (3300 KHC 3 X 5 569)"TELEFUNKEN" (HIGH JACK)	0	# TUNER (REF:GTSS-772)
012-102340-0B	SEMI-FIXED RES. WI06-2AL-1K "SHENZHEN YUNGJIANG"	2	VR401,901
012-104340-06	SEMI-FIXED RESISTOR EVND8AA 03B15 100KB	1	VR101
012-202330-06	SEMI-FIXED RESISTOR EVND2AA 03B23 2KB	5	VR551,552,553,554,555
012-203340-0B	SEMI-FIXED RES. WI06-2AL-20K "SHENZHEN YUNGJIANG"	2	VR402,103
012-502340-06	SEMI-FIXED RESISTOR EVND8AA 03B53 5KB	1	VR403
012-503340-06	SEMI-FIXED RESISTOR EVND8AA 03B54 50KB	2	VR102,301
101-191009-96	HORIZONTAL DRIVE TRANSFORMER (R1009)	1	T401
102-370600-0B	TANK COIL / AFC COIL 707851 "DONGGUAN LIHANG"	1	T101
102-671300-02	SOUND IF COIL. COILS 710256	1	T104
102-671600-02	SOUND IF COIL KHC-823087 "COILS"	1	T103
102-770310-02	CHROMA FILTER KH-814657 "COILS"	1	T305
105-100103-16	FIXED INDUCTIVE COIL 10UH 10% AL0305-100K "BOLUO DUIWANG"	2	L102,601
105-150103-16	FIXED INDUCTIVE COIL 15UH 10% AL0305-150K "BOLUO DUIWANG"	1	L104
105-201106-02	CHOKE COIL 200UH 10% CH9012- 201K (ELEC PRODUCT)	2	L903,904
105-250102-35	LINEARITY COIL 25UH LX142242A HIGHLIGHT	1	L401
105-479103-16	FIXED INDUCTIVE COIL 4.7UH 10% AL0305-4R7K "BOLUO DUIWANG"	1	L60A
105-560103-16	FIXED INDUCTIVE COIL 56UH +-10% AL0305 "BOLUO DUIWANG"	3	L551,552,553
105-689103-16	FIXED INDUCTIVE COIL 6.8UH 10% AL0305-6R8K "BOLUO DUIWANG"	1	L103
105-821156-06	CHOKE COIL 820UH 0.37 OHM HIGHLIGHT	1	L402
105-828103-16	FIXED INDUCTIVE COIL 0.82UH 10% AL0305-R82K BOLUO DUIWANG	1	L101
105-829103-08	FIXED CONDUCTOR COIL 8.2 UH +-10% AXIAL	3	L301,302,303
106-210012-01	RELAY 12V OMIT-SS-112LM ORIGINAL	1	RLY901
107-104430-66	CHROMA TRAP CERAMIC FILTER 4.43 MHZ WEI HAW	1	CF302
107-105500-66	SOUND TRAP CERAMIC FILTER 5.5MHZ WEI HAW	1	CF103
107-305500-16	SOUND BYPASS CERAMIC FILTER 5.5MHZ WEI HAW	1	CF102
113-100105-17	CARBON FILM RESISTOR 10 OHM 1/4W +-5%	4	R601,119,108,140

PART NUMBER	DESC	QTY	DESTINATION
113-100205-12	CARBON FILM RESISTOR 10 OHM 1/2W +-5%	1	R593
113-100505-75	METAL OXIDE FILM RESISTOR 10 OHM 3W +-5%	1	R429
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5%	6	R317,318,319,322,613,309
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5%	9	R624,625,643,644,638,343,351,934,342
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5%	3	R580,579,581
113-101305-75	METAL OXIDE FILM RESISTOR 100 OHM 1W +-5%	1	R130
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5%	11	R422,922,201,329,331,402,107,325,330,935,157
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5%	12	R619,617,607,608,618,620,621,634,641,636,639,642
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5%	8	R109,143,153,320,302,328,354,637
113-102305-75	METAL OXIDE FILM RESISTOR 1K OHM 1W +-5%	1	R414
113-103101-67	METAL FILM RESISTOR 10K OHM 1/4W +-1%	1	R609
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5%	10	R612,623,635,649,632,103,110,104,111,605
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5%	7	R303,304,315,407,352,373,374
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5%	9	R154,321,339,927,437,353,364,380,335
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5%	1	R905
113-104105-17	CARBON FILM RESISTOR 100K OHM 1/4W +-5%	2	R136,614
113-104305-75	METAL OXIDE FILM RESISTOR 100K OHM 1W +-5%	1	R918
113-105101-67	METAL FILM RESISTOR 1M OHM 1/4W +-1%	1	R358
113-109305-75	METAL OXIDE FILN RESISTOR 1 OHM 1W +-5%	1	R410
113-120305-75	METAL OXIDE FILM RESISTOR 12 OHM 1W +-5%	1	R909
113-120405-75	METAL OXIDE FILM RESISTOR 12 OHM 2W +-5%	1	R917
113-121105-17	CARBON FILM RESISTOR 120 OHM 1/4W +-5%	3	R567,568,569
113-122105-17	CARBON FILM RESISTOR 1.2K OHM 1/4W +-5%	6	R602,344,122,564,565,566
113-122205-12	CARBON FILM RESISTOR 1K2 OHM 1/2W +-5%	1	R420
113-123105-17	CARBON FILM RESISTOR 12K OHM 1/4W +-5%	2	R132,408
113-150105-17	CARBON FILM RESISTOR 15 OHM 1/4W +-5%	4	R102,570,571,572
113-151205-12	CARBON FILM RESISTOR 150 OHM 1/2W +-5%	2	R936,411
113-152105-17	CARBON FILM RESISTOR 1.5K OHM 1/4W +-5%	3	R150,152,423
113-153105-17	CARBON FILM RESISTOR 15K OHM 1/4W +-5%	3	R616,401,604
113-153405-75	METAL OXIDE FILM RESISTOR 15K OHM 2W +-5%	1	R137
113-154105-17	CARBON FILM RESISTOR 150K OHM 1/4W +-5%	1	R133
113-154205-12	CARBON FILM RESISTOR 150K OHM 1/2W +-5%	1	R433
113-158405-75	METAL OXIDE FILM RESISTOR 0.15 OHM 2W +-5%	1	R912

PART NUMBER	DESC	QTY	DESTINATION
113-159905-51	WIRE WOUND CEMENT RESISTOR 1.5 OHM 10W +-5%	1	R924
113-181105-17	CARBON FILM RESISTOR 180 OHM 1/4W +-5%	1	R310
113-182105-17	CARBON FILM RESISTOR 1.8K OHM 1/4W +-5%	11	R904,628,629,630,631,148,350,349,306,308,311
113-182105-17	CARBON FILM RESISTOR 1.8K OHM 1/4W +-5%	2	R205,207
113-183105-17	CARBON FILM RESISTOR 18K OHM 1/4W +-5%	2	R424,615
113-184105-17	CARBON FILM RESISTOR 180K OHM 1/4W +-5%	3	R151,156,431
113-202605-75	METAL OXIDE FILM RESISTOR 2K OHM 5W +-5%	1	R416
113-221105-17	CARBON FILM RESISTOR 220 OHM 1/4W +-5%	2	R112,106
113-221305-75	METAL OXIDE FILM RESISTOR 220 OHM 1W +-5%	1	R413
113-222101-67	METAL FILM RESISTOR 2.2K OHM 1/4W +-1%	1	R146
113-222105-17	CARBON FILM RESISTOR 2.2K OHM 1/4W +-5%	3	R141,652,332
113-223105-17	CARBON FILM RESISTOR 22K OHM 1/4W +-5%	7	R129,406,208,209,346,365,646
113-224105-17	CARBON FILM RESISTOR 220K OHM 1/4W +-5%	1	R653
113-229105-17	CARBON FILM RESISTOR 2.2 OHM 1/4W +-5%	3	R125,327,334
113-229205-12	CARBON FILM RESISTOR 2.2 OHM 1/2W +-5%	1	R139
113-229405-42	FUSING RESISTOR 2.2 OHM 2W +-5 %	1	R576
113-229505-75	METAL OXIDE FILM RESISTOR 2.2 OHM 3W +-5%	1	R203
113-229605-51	WIRE WOUND CEMENT RESISTOR 2.2 OHM 5W +-5%	1	R944
113-270105-17	CARBON FILM RESISTOR 27 OHM 1/4W +-5%	1	R115
113-270405-75	METAL OXIDE FILM RESISTOR 27 OHM 2W +-5%	1	R910
113-271105-17	CARBON FILM RESISTOR 270 OHM 1/4W +-5%	1	R147
113-272105-17	CARBON FILM RESISTOR 2.7K OHM 1/4W +-5%	1	R142
113-272205-12	CARBON FILM RESISTOR 2.7K OHM 1/2W +-5%	5	R415,428,573,574,575
113-273105-17	CARBON FILM RESISTOR 27K OHM 1/4W +-5%	4	R155,603,657,655
113-274105-17	CARBON FILM RESISTOR 270K OHM 1/4W +-5%	1	R430
113-331105-17	CARBON FILM RESISTOR 330 OHM 1/4W +-5%	7	R901,336,337,338,305,307,313
113-332102-17	CARBON FILM RESISTOR 3.3K OHM 1/4W +-2%	5	R907,582,583,584,426
113-332105-17	CARBON FILM RESISTOR 3.3K OHM 1/4W +-5%	7	R611,645,647,363,367,360,633
113-333105-17	CARBON FILM RESISTOR 33K OHM 1/4W +-5%	7	R118,127,128,114,117,144,421
113-334005-17	CARBON FILM RESISTOR 330K OHM 1/16W +-5%	1	R138
113-334105-17	CARBON FILM RESISTOR 330K OHM 1/4W +-5%	1	R131
113-334305-75	METAL OXIDE FILM RESISTOR 330K OHM 1W +-5%	1	R911
113-390505-75	METAL OXIDE FILM RESISTOR 39 OHM 3W +-5%	1	R926
113-390605-75	METAL OXIDE FILM RESISTOR 39 OHM 5W +-5%	1	R913
113-391105-17	CARBON FILM RESISTOR 390 OHM 1/4W +-5%	3	R557,558,559
113-392105-17	CARBON FILM RESISTOR 3.9K OHM 1/4W +-5%	1	R404

PART NUMBER	DESC	QTY	DESTINATION
113-393105-17	CARBON FILM RESISTOR 39K OHM 1/4W +-5%	3	R316,361,341
113-470105-17	CARBON FILM RESISTOR 47 OHM 1/4W +-5%	2	R204,206
113-471105-17	CARBON FILM RESISTOR 470 OHM 1/4W +-5%	4	R412,123,366,124
113-472105-17	CARBON FILM RESISTOR 4.7K OHM 1/4W +-5%	7	R908,149,120,158,159,417,427
113-473105-17	CARBON FILM RESISTOR 47K OHM 1/4W +-5%	5	R622,301,405,651,648
113-479105-17	CARBON FILM RESISTOR 4.7 OHM 1/4W +-5%	2	R210,211
113-511105-17	CARBON FILM RESISTOR 510 OHM 1/4W +-5%	1	R563
113-561105-17	CARBON FILM RESISTOR 560 OHM 1/4W +-5%	5	R347,326,554,555,556
113-562105-17	CARBON FILM RESISTOR 5.6K OHM 1/4W +-5%	6	R403,105,202,357,362,324
113-563105-17	CARBON FILM RESISTOR 56K OHM 1/4W +-5%	1	R160
113-681105-17	CARBON FILM RESISTOR 680 OHM 1/4W +-5%	2	R135,425
113-682102-17	CARBON FILM RESISTOR 6.8K OHM 1/4W +-2%	1	R902
113-682105-17	CARBON FILM RESISTOR 6.8K OHM 1/4W +-5%	2	R906,419
113-688405-42	FUSEBLE RESISTOR 0.68 2W +-5%	1	R914
113-750105-17	CARBON FILM RESISTOR 75 OHM 1/4W +-5%	5	R929,930,931,932,928
113-820105-17	CARBON FILM RESISTOR 82 OHM 1/4W +-5%	2	R418,101
113-821105-17	CARBON FILM RESISTOR 820 OHM 1/4W +-5%	1	R126
113-822105-17	CARBON FILM RESISTOR 8.2K OHM 1/4W +-5%	4	R923,903,626,460
113-822505-75	METAL OXIDE FILM RESISTOR 8.2K OHM 3W +-5%	3	R551,552,553
113-823105-17	CARBON FILM RESISTOR 82K OHM 1/4W +-5%	2	R145,432
113-829605-75	METAL OXIDE FILM RESISTOR 8.2 OHM 5W +-5%	1	R436
123-101350-60	CERAMIC CAP. 100 PF 50V +-10% (SL TYPE) "SMART GOOD"	3	C612,335,336
123-102350-90	CERAMIC CAP. 0.001 MFD 50V +-10% (B TYPE)	8	C138,614,348,349,103,554,555,556
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20%	12	C102,117,126,330,147,118,361,363,358,359,357,360
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20%	3	C352,110,338
123-104270-90	CERAMIC CAP. 0.1 MFD 25V +80 -20%	8	C623,139,306,309,307,101,567,568
123-121350-60	CERAMIC CAP. 120 PF 50V +-10% (SL TYPE)	3	C301,302,303
123-122550-95	CERAMIC CAP. 1200PF 500V +-10% "YINAN DON'S"	1	C415
123-130340-93	CERAMIC CAP. 13PF 50V +-5% (NPO)	1	C374
123-151350-60	CERAMIC CAP 150 PF 50V +-10% (SL TYPE)	1	C137
123-152850-53	CERAMIC CAP. 1500PF 2KV +-10% "YINAN DON'S"	1	C433
123-220340-60	CERAMIC CAP. 22 PF 50V +-5% (SL TYPE)	4	C616,617,618,620
123-221350-60	CERAMIC CAP. 220 PF 50V +-10% (SL TYPE)	6	C353,354,365,551,552,553
123-221551-90	CERAMIC CAP. 220 PF 500V +-10% MATSUSHITA	1	C916
123-222850-10	CERAMIC CAP. 0.0022 MFD 2KV +-10% MATSUSHITA	1	C912
123-223370-90	CERAMIC CAP. 0.022 MFD 50V +80 -20%	12	C109,131,124,122,128,129,135,331,332,105,344,369
123-240340-93	CERAMIC CAP 24PF 50V +-5%(NPO)	1	C373
123-270340-60	CERAMIC CAP. 27 PF 50V +-5% (SL-TYPE)	1	C114
123-270345-93	CERAMIC CAP. 27PF 50V +-5% (NPO) "CHENGDU WANGMING"	2	C613,628

PART NUMBER	DESC	QTY	DESTINATION
123-271350-60	CERAMIC CAP. 270 PF 50V +-10% (SL TYPE)	2	C342,343
123-330340-60	CERAMIC CAP. 33 PF 50V +-5% (SL TYPE)	1	C366
123-331350-60	CERAMIC CAP. 330 PF 50V +-10% (SL TYPE)	2	C341,605
123-390340-93	CERAMIC CAP. 39PF 50V +-5% (NPO)	2	C630,C1
123-391355-60	CERAMIC CAP. 390PF 50V +-10% (SL TYPE) "CHENGDU WANGMING"	1	C367
123-472350-90	CERAMIC CAP. 0.0047 MFD 50V +-10% (B TYPE)	2	C918,920
123-472552-90	CERAMIC CAP. 0.0047 MFD 500V +-10% (B TYPE) SMALL SIZE	3	C904,903,906
123-472552-95	CERAMIC CAP. 0.0047 MFD 500V +-10% (B TYPE) "YINAN DON'S"	2	C432,427
123-472650-90	CERAMIC CAP. 4700 PF 1 KV	1	C914
123-472850-10	CERAMIC CAP. 0.0047MFD 2KV +-10% MATSUSHITA	1	C569
123-681355-90	CERAMIC CAP. 680PF 50V +-10% (B TYPE) "CHENGDU WANGMING"	1	C407
123-821850-10	CERAMIC CAP. 820 PF 2KV +-10% (SL TYPE) MATSUSHITA	2	C913,440
124-224061-03	TANTALIUM CAP. 0.22 MFD 35V +-10%	2	C603,115
125-391120-11	POLYSTYRENE CAP. 390 PF 125V +-5%	1	C149
126-102071-01	MYLAR CAP. 0.001 MFD 50V +-10%	3	C130,402,426
126-103071-01	MYLAR CAP. 0.01 MFD 50V +-10%	3	C413,207,208
126-104071-01	MYLAR CAP. 0.1 MFD 50V +-10%	12	C602,304,305,308,310,324,325,326,133,371,333,334
126-104071-01	MYLAR CAP. 0.1 MFD 50V +-10%	8	C409,214,216,420,347,355,356,911
126-104101-35	POLYPROPYLENE CAP. 0.1 MFD 100V +-10% "XIAMEN FALA"	1	C425
126-222071-01	MYLAR CAP. 0.0022 MFD 50V +-10%	2	C610,624
126-223071-01	MYLAR CAP. 0.022 MFD 50V +-10%	5	C321,322,323,375,376
126-223401-35	POLYPROPYLENE CAP. 0.022 MFD 400V +-10% "XIAMEN FALA"	2	C431,434
126-224071-01	MYLAR CAP 0.22 MFD 50V +-10%	4	C140,346,327,438
126-272070-31	POLYPROPYLENE CAP. 0.0027 MFD 50V +-5%	1	C141
126-333071-01	MYLAR CAP. 0.033 MFD 50V +-10%	1	C907
126-334060-2F	METALIZED POLYESTER FILM CAP. 0.33 MFD 63V +-5% "PHILIPS"	1	C143
126-334071-01	MYLAR CAP. 0.33 MFD 50V +-10%	3	C145,368,372
126-364211-31	POLYPROPYLENE CAP. 0.36 MFD 250V +-10%	1	C412
126-472071-01	MYLAR CAP. 0.0047 MFD 50V +-10%	2	C403,405
126-472160-45	METALIZED POLY.CAP. 0.0047 MFD 1600V +-5% "XIAMEN FALA"	2	C430,414
126-473071-01	MYLAR CAP. 0.047 MFD 50V +-10%	2	C134,370
126-563071-01	MYLAR CAP. 0.056 MFD 50V +-10%	1	C148
126-683071-01	MYLAR CAP. 0.068 MFD 50V +-10%	1	C423
127-105072-0T	ELECT CAP. 1 MFD 50V +-20% {TAPING} "NANTONG"	4	C107,142,350,132
127-105072-28	ELECT CAP. 1 MFD 50V +-20% BIPOLAR "JAMICON"	2	C152,151
127-106042-0T	ELECT CAP. 10 MFD 16V +-20% {TAPING} "NANTONG"	10	C202,621,601,615,619,626,622,351,60B,328
127-106042-0T	ELECT CAP. 10 MFD 16V +-20% {TAPING} "NANTONG"	9	C203,312,329,316,317,315,314,318,340

PART NUMBER	DESC	QTY	DESTINATION
127-106104-06	ELECT CAP. 10 MFD 100V +-20% 105øC {TAPING TYPE}	2	C909,566
127-106104-0D	ELECT CAP. 10 MFD 100V +-20% 105øC "NANTONG"	1	C908
127-107042-0D	ELECT CAP. 100 MFD 16V +-20% "NAM TUNG"	7	C125,119,625,209,210,311,364
127-107062-08	ELECT CAP. 100 MFD 35V +-20% "JAMICON"	2	C408,418
127-107132-07	ELECT. CAP. 100 MFD 160V +-20% "NICHICON"	3	C417,927,926
127-108042-03	ELECT. CAP. 1000 MFD 16V +-20%	2	C213,215
127-108052-0D	ELECT CAP. 1000 MFD 25V +-20% "NAM TUNG"	5	C217,201,429,923,436
127-225072-06	ELECT CAP. 2.2 MFD 50V +-20% {TAPING TYPE}	5	C113,106,108,111,116
127-226042-0T	ELECT CAP. 22 MFD 16V +-20% {TAPING} "NANTONG"	1	C609
127-227042-0D	ELECT CAP. 220 MFD 16V +-20% "NAM TUNG"	3	C320,121,205
127-227062-08	ELECT CAP. 220 MFD 35V +-20% "JAMICON"	1	C410
127-227422-0D	ELECT CAP. 220 MFD 420V +-20% "NANTONG"	1	C905
127-228052-0D	ELECT CAP. 2200 MFD 25V +-20% "NAM TUNG"	2	C428,925
127-335071-05	ELECT CAP. 3.3UF 50V +-10% (TIME CONSTANT)	1	C404
127-335072-03	ELECT CAP. 3.3 MFD 50V +-20%	1	C127
127-336042-0T	ELECT CAP. 33 MFD 16V +-20% {TAPING} "NANTONG"	2	C144,921
127-336042-23	ELECT. CAP. BIPOLAR 33 MFD 16V +-20%	1	W113
127-336252-07	ELECT CAP. 33 MFD 250V +-20% "NICHICON"	1	C424
127-338062-08	ELECT. CAP. 3300 MFD 35V +-20% "JAMICON"	1	C411
127-475072-0T	ELECT CAP. 4.7 MFD 50V +-20% {TAPING} "NANTONG"	7	C607,608,604,136,337,211,212
127-475102-2T	ELECT CAP. 4.7 MFD 100V +-20% {TAPING} "NANTONG"	1	C419
127-476042-0D	ELECT CAP. 47 MFD 16V +-20% "NAM TUNG"	4	C401,204,206,345
127-476094-0D	ELECT CAP. 47 MFD 63V +-20% 105øC "NANTONG"	1	C910
127-476094-0D	ELECT CAP. 47 MFD 63V +-20% 105øC "NANTONG"	1	C422
127-477042-0T	ELECT CAP. 470 MFD 16V +-20% {TAPING} "NANTONG"	7	C146,922,120,313,919,416,421
127-478052-08	ELECT CAP. 4700 MFD 25V +-20% "JAMICON"	1	C406
130-134148-01	SILICON DIODE IN4148	12	D301,302,303,305,908,103,104,105,307,311,312,313
130-134148-01	SILICON DIODE IN4148	12	D602,601,606,607,608,609,603,304,614,612,616,618
130-134148-01	SILICON DIODE IN4148	3	D615,604,610
130-240809-50	VERIABLE CAPACITANCE DIODE BB809	2	D102,101
130-310228-50	DAMPER DIODE BY228 "PHILIPS"	1	D402
130-310345-00	RECTIFIER DIODE 3JH45 TOSHIBA 3.0A 600V	2	D403,906
130-310406-00	BRIDGE RECTIFIER RBV-406 SANKEN	1	BR901
130-311545-60	RECTIFIER DIODE 1R5JH45	2	D404,907
130-314002-00	RECTIFIER DIODE 1N4002 100V/1A	1	D406
130-315295-00	RECTIFIER DIODE S5295G TOSHIBA	7	D902,901,401,405,408,407,905
130-410051-01	ZENER DIODE 5.1V 1/2W +-5%	1	ZD102
130-410056-01	ZENER DIODE 5.6V	1	ZD306
130-410082-01	ZENER DIODE 8.2V	1	ZD903

PART NUMBER	DESC	QTY	DESTINATION
130-410100-01	ZENER DIODE 10V 1/2W	1	ZD401
130-410120-01	ZENER DIODE 12V 1/2W +-5% "TEMIC"	1	ZD307
130-410574-00	ZENER DIODE UPC 574J NEC	1	ZD101
130-411091-01	ZENER DIODE 9.1V	1	ZD904
130-422120-00	ZENER DIODE 1W 12V	1	ZD402
130-513144-00	LED LAMPS 3MM RED (ROUND) #03144PR "GLORY"	1	LED601 (ON SENSOR PCB)
131-211015-00	TRANSISTOR 2SA1015 TOSHIBA	3	Q101,102,108
131-211015-0A	TRANSISTOR 2SA1015 TOSHIBA	1	Q404
131-220774-20	TRANSISTOR 2SB774/Q/R/S MATSUSHITA	1	Q911
131-231809-0A	TRANSISTOR 2SC1809 ROHM	1	Q105
131-231815-0A	TRANSISTOR 2SC1815 TOSHIBA	6	Q103,107,912,910,602,302
131-231815-0A	TRANSISTOR 2SC1815 TOSHIBA	8	Q603,605,106,109,304,403,303,306
131-231815-0A	TRANSISTOR 2SC1815 TOSHIBA	4	Q554,555,556,604
131-232230-00	NPN-TR 2SC2230A-Y (TOSHI) TO92 VCE=180V IC=.1A HFE=120-240	1	Q905
131-232482-0A	TRANSISTOR 2SC2482 TOSHIBA	1	Q401
131-233619-00	TRANSISTOR 2SC3619	3	Q551,552,553
131-234706-00	TRANSISTOR 2SC4706 SHIN HO	1	Q909
131-241406-25	TRANSISTOR 2SD1406-Y TOSHIBA	1	Q405
131-241406-27	TRANSISTOR 2SD1406-GR TOSHIBA	1	Q201
131-242500-00	TRANSISTOR 2SD2500 TOSHIBA	1	Q402
131-462369-0A	TRANSISTOR PH2369 PHILIPS	1	Q601
133-102411-31	I.C. ST24C01B1 SGS	1	IC602
133-103221-33	IC CTV322SV2.0/PCA84C641P/068 PHILIPS	1	IC601
133-103504-33	I.C. TDA3504 PHILIPS	1	IC304
133-103857-33	IC TDA3857 PHILIPS	1	IC101
133-104565-33	I.C. TDA4565 PHILIPS	1	IC305
133-104650-33	I.C. TDA 4650 PHILIPS	1	IC307
133-108305-33	IC TDA8305A PHILIPS	1	IC102
133-108628-14	IC TA8628N TOSHIBA	1	IC303
133-114665-33	I.C. TDA4665(V5) PHILIPS	1	IC306
133-203654-33	I.C. TDA3654 (PHILIPS)	1	IC401
133-204445-16	I.C. LA4445 (SANYO)	1	IC201
133-207812-31	IC L7812CV SGS-THOMSON	1	IC103
133-304241-31	I.C. M74HCT241B1 SGS	1	IC301
133-305114-31	I.C. TEA5114A SGS	1	IC302
133-517805-61	I.C. KA7805 SAMSUNG	1	IC901
136-504251-00	REMOTE CONTROL RECEIVER SPS-425-1G SANYO	1	OPT601 (ON SENSOR PCB)
137-100000-31	CRYSTAL 10 MHZ HOORAY	1	X601
137-886723-20	CRYSTAL 8.86 MHz KDS	1	X302
146-104102-02	TACT SWITCH 5 PIN L=5MM #1102PB "PROMOTION"	3	S603,606,607 (ON FUNCTION PCB)
146-104105-00	TACT SWITCH KPT-1105S "UNITRONIC"	4	S615,616,617,618
160-101001-08	PIN CONNECTOR 1 PIN PLUG STRAIGHT	3	FOR CN501,901,902
160-102255-27	PIN CONNECTOR 2 PINS PLUG STRAIGHT (UL) (S.H.S)	5	CN201,601,407,408,603
160-102805-08	PIN CONNECTOR 2 PIN PLUG STRAIGHT	1	CN903
160-103255-27	PIN CONNECTOR 3 PINS PLUG	4	CN202,405,406,605
160-103805-08	PIN CONNECTOR 3 PIN PLUG STRAIGHT	1	CN402
160-104805-08	PIN CONNECTOR 4 PIN PLUG STRAIGHT	2	CN401,904
160-105255-27	PIN CONNECTOR 5 PINS WAFER 2.5 PITCH	1	CN307
160-106255-27	PIN CONNECTOR 6 PINS WAFER (SHS) S11-W	2	CN403,604

PART NUMBER	DESC	QTY	DESTINATION
160-110255-27	PIN CONNECTOR 10 PINS PLUG	1	CN404
161-471002-02	RAC JACK 3 PIN BLACK #UIC-032-04AB "CHINA LANDMARK"	1	J205
161-471003-02	RCA JACK 3 PIN YELLOW #UIC-032-04AY "CHINA LANDMARK"	1	J203
161-473204-00	RCA JACK 3 PIN UIC-032-04AR RED "UNITRONIC"	1	J204
161-481105-32	RF CONNECTOR UIC-0421-01-010A CHINA LANDMARK	1	FOR ANT INPUT
161-682102-22	21 PIN SCART SOCKET	1	J901
172-620005-40	UL 1007 TOP COAT WIRE AWG 20 50MM BLACK 5 X 5MM	1	FOR SHIELD CAN TO TUNER
172-620010-40	UL 1007 TOP COAT WIRE AWG 20 100MM BLACK 10 X 10 MM	1	MAIN P.C.B. `Q' TO `Q'
172-620014-40	UL 1007 TOP COAT WIRE AWG 20 140MM BLACK 10 X 10 MM	2	`D1' TO `D1',`B1' TO `B1'
172-620014-43	UL 1007 TOP COAT WIRE AWG 20 140MM ORANGE 10 X 10MM	1	MAIN P.C.B. `J' TO `J'
172-620036-40	UL 1007 TOP COAT WIRE AWG 20 360MM BLACK 10 X 10MM	1	FOR TUNER TO FLAT BRIDED WIRE
172-622007-40	UL 1007 TOP COAT WIRE #22 70MM BLACK 5 X 5 MM	1	FOR ZD401 GND TO CN202 GND
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM	2	IC401 LUG TO MAIN PCB `M',`H' TO `H'
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM	2	Q909 LUG TO POWER PCB `Z',Q402 LUG TO MAIN PCB `K'
172-626014-42	UL 1007 TOP COAT WIRE AWG 26 140MM RED 10 X 10 MM	3	MAIN P.C.B. `Z' TO `Z',`G' TO `G',`E' TO `E'
172-626014-42	UL 1007 TOP COAT WIRE AWG 26 140MM RED 10 X 10 MM	1	MAIN P.C.B. `O' TO `O'
172-626014-43	UL 1007 TOP COAT WIRE AWG 26 140MM ORANGE 10 X 10 MM	3	MAIN PCB `S' TO `S',`T' TO `T',`U' TO `U'
172-626016-43	UL 1007 TOP COAT WIRE AWG 26 160MM ORANGE 10 X 10 MM	1	MAIN P.C.B.`W' TO `W'
172-626016-43	UL 1007 TOP COAT WIRE AWG 26 160MM ORANGE 10 X 10 MM	1	FOR C441 GND TO CN02 GND
172-626024-41	UL 1007 TOP COAT WIRE AWG 26 240MM BROWN 10 X 10 MM	3	MAIN PCB `P'TO`P',`I'TO`I',`N'TO`N'
172-726000-99	BARE WIRE 54MM	10	W001-024,026-027,029-065,067-096,098-112,114-129
172-726000-99	BARE WIRE 54MM	0	W131-137,140-141,143,146-148,150-153
172-726000-99	BARE WIRE 54MM	0	W155-159,161-162,165,167,168,170,230-231
172-726000-99	BARE WIRE 54MM	0	W501,502,901,902,906,CN304 2 TO 3
172-726000-99	BARE WIRE 54MM	0	W250,251,021A,W021B,WA08
172-830120-99	FLAT BRIDED WIRE	2.6	CRT GROUND

PART NUMBER	DESC	QTY	DESTINATION
174-833026-50	DOUBLE SHIELD WIRE UL 2547 AWG 28 260MM BLACK	1	MAIN P.C.B. `A.B' TO `A.B'
177-655053-02	2 PIN FLAT CABLE WIRE AWG 26 50MM	1	MAIN P.C.B. `C.D' TO `C.D'
179-001010-00	OIL SLEEVING 1 mm DIA.	0.2	40MM-R416,20MM-ZD402,10MM-C907,50MM FOR `Y'TO`Y'
179-001010-00	OIL SLEEVING 1 mm DIA.	0	20MM-D402,20MM-D403,20MM-D906,10MM-C143,10MM-C120
179-001010-00	OIL SLEEVING 1 mm DIA.	0	10MM FOR D907,R436,C150,R914
179-001010-00	OIL SLEEVING 1 mm DIA.	0.1	60MM FOR R551,552,553
179-001010-00	OIL SLEEVING 1 mm DIA.	0	20MM FOR R926,20MM FOR R913
179-101400-00	UL/CSA PVC TUBE 14MM DIA. (UL APP'D ES8072)	0.3	130MM FOR 191-601007-07,130MM FOR 191-011001-07
179-105000-00	UL PVC TUBE 5mm DIA	0.4	FOR CN901,902,240MM FOR POWER SWITCH
179-105000-00	UL PVC TUBE 5mm DIA	1.2	500MMF OR LEFT SPK.,700MM FOR RIGHT SPK.
179-107300-00	UL PVC TUBE 7.3MM DIA.	0.2	220MM FOR DOUBLE INSOLATION WIRE
179-107300-00	UL PVC TUBE 7.3MM DIA.	0.4	350MM FOR FRONT AV CABLE (CN405,406,407,408)
179-110500-00	UL PVC TUBE 11MM DIA.	0.1	FOR POWER CORD
179-403030-00	3MM DIA. SHRINKABLE TUBE	0.3	FOR 130MM SOLDERING LUG,160MM FOR POWER SWITCH
184-302013-00	FERRITE COIL	1	
184-350805-08	AXIAL LEAD BEAD INDUCTORS "COILS"	3	FB401,402,901
190-829B00-04	FUNCTION P.C.B.(280897)	1	
190-829B00-07	SENSOR P.C.B.(121197)	1	
190-829B01-08	AV JACK BOARD (111297)	1	
190-88200A-XE	POWER SWITCH P.C.B. (131196)	1	
190-882803-00	CRT P.C.B. (071197)	1	
190-932502-07	POWER P.C.B. (050199)	1	
190-932904-08	21 PIN SOCKET P.C.B. (140295)	1	
190-93290A-XB	MAIN P.C.B. (211198)	1	
191-011001-10	10 PINS SOCEKT ASS'Y L=210MM (1-6 FLT CABLE,7-10 S.S.CABLE)	1	CN404,`1' TO 21 PIN PCB `G',2 TO H,3 TO I,4 TO J
191-011001-10	10 PINS SOCEKT ASS'Y L=210MM (1-6 FLT CABLE,7-10 S.S.CABLE)	0	5 TO K,6 TO L,7 TO M,8 TO N,9 TO O,10 TO P

PART NUMBER	DESC	QTY	DESTINATION
191-101007-10	1 PIN SOCKET ASS'Y L=350MM (DOUBLE INSOLATION) BLACK	1	FOR CN501 TO CRT GND
191-201001-10	2 PIN SOCKET ASS'Y L=160MM	1	FOR CN601 TO POWER SWITCH PCB
191-201001-10	2 PIN SOCKET ASS'Y L=160MM	1	CN603 `1' TO `E',`2' TO `D'
191-201004-10	2 PIN SOCKET ASS'Y L=500MM	1	CN202 `2' TO LEFT SPK.`+',`3' TO LEFT SPK.`-'
191-201006-10	2 PIN SOCKET ASS'Y L=700MM	1	CN201 `1' TO RIGHT SPK.`+',`2' TO RIGHT `-'
191-201011-10	2 PIN SOCKET ASS'Y L=440MM	1	FROM AV JACK BOARD `D' TO CN407 `2',`C' TO `1'
191-201040-10	2 PIN SOCKET ASS'Y L=450MM #26 UL1185 W/SHIELDING CABLE	1	FROM AV JACK BOARD `B' TO CN408 `1',`A' TO `2'
191-301003-10	3 PIN SOCKET ASS'Y L=450MM	1	CN402 `1' TO CRT P.C.B. `J'
191-301003-10	3 PIN SOCKET ASS'Y L=450MM	0	CN402 `2' TO CRT P.C.B. `I'
191-301003-10	3 PIN SOCKET ASS'Y L=450MM	0	CN402 `3' TO CRT P.C.B. `H'
191-301021-10	3 PIN SOCKET ASS'Y L=180MM	1	CN605 `1' TO SENSOR PCB `C',`2'TO`B',`3'TO`A'
191-301032-10	3 PIN SOCKET ASS'Y L=420MM (W/SINGLE SHIELD WIRE)	1	FROM AV JACK BOARD `J' TO CN405 PIN `3',`I' TO `2'
191-301032-10	3 PIN SOCKET ASS'Y L=420MM (W/SINGLE SHIELD WIRE)	0	`H' TO `1'
191-301054-10	3 PIN SOCKET ASS'Y L=420MM #26 UL2547 (SHIELD CABLE BROWN)	1	FROM AV JACK BOARD `E' TO CN406 PIN `1',`F' TO `2'
191-301054-10	3 PIN SOCKET ASS'Y L=420MM #26 UL2547 (SHIELD CABLE BROWN)	0	`G' TO `3'
191-401014-10	4 PIN SOCKET ASS'Y L=350MM	1	CN904 `1' TO POWER PCB `1',`2' TO `2',`3' TO `3'
191-401014-10	4 PIN SOCKET ASS'Y L=350MM	0	`4' TO `4'
191-500048-10	5 PIN SOCKET ASS'Y L=480MM	0	`4' TO `4',`5' TO `5'
191-600036-10	6 PIN SOCKET ASS'Y L=360MM	1	CN604 `1' TO FUNCTION PCB`A',`2' TO `B',`3' TO `E'
191-600036-10	6 PIN SOCKET ASS'Y L=360MM	0	`4' TO `F',`5' TO `D',`6' TO `C'
191-601007-10	6 PIN SOCKET ASS'Y L=210MM (1-6 PIN W/FLAT CABLE)	1	CN403`1' TO 21PIN PCB `A',`2' TO `B',`3' TO `C'
191-601007-10	6 PIN SOCKET ASS'Y L=210MM (1-6 PIN W/FLAT CABLE)	0	`4' TO `D',`5' TO `E',`6' TO `F'
402-522001-11	COAXIAL CABLE W/DIN, RCA 250MM W/3 SOLDERING POINT "MIKI"	1	FOR TUNER TO RF CONNECTOR

PART NUMBER	DESC	QTY	DESTINATION
504-305006-10	MACHINE SCREW 3 X 6 B/M (WHITE)	6	2-POWER SWITCH MTG.,2-IC201,1-IC901,1-IC103
514-400312-10	SELF-TAPPING SCREW 4 X 12 B/A (HARDEN)	1	FOR HEAT SINK (A) TO FBT
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN)	1	FOR 750-063102-01
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN)	2	2 FOR SCART
517-303312-10	SELF-TAPPING SCREW 3 X 12 W/A W/H=7MM (HARDEN)	5	2 FOR IC401,1 FOR Q402,1 FOR Q405
517-303312-10	SELF-TAPPING SCREW 3 X 12 W/A W/H=7MM (HARDEN)	0	1 FOR Q909
540-020030-01	EYELET 2 X 3 MM	8	T402 PIN `1'`5'`10',L401,Q402 `C',2 FOR L402
580-101004-04	TWIST LOCK SUPPORTS "KANGLI"	1	FOR CN904
580-101261-01	CABLE TIE L=100MM	16	2-CN402,2-CN307,10-DEGAUSSING COIL,2-FOR CN401
580-101261-01	CABLE TIE L=100MM	3	1 FOR FBT,1 FOR AC LINE CORD,1-FRONT AV IN CABLE
580-101261-01	CABLE TIE L=100MM	6	3 - PW.SW.PCB,1 - SPK.CN201,202,2 FOR FERRITE COIL
580-101261-01	CABLE TIE L=100MM	7	2 FOR CN904,4 FOR MAIN PCB WIRE,1 FOR 21PIN CABLE
580-102261-00	CABLE TIE L=200MM W=3.5MM	4	FOR DEGAUSSING COIL MTG.
580-103261-00	CABLE TIE L=300MM W=3.5MM	2	FOR DEGAUSSING COIL MTG.
622-882802-00	FELT L240 X W17 X T0.5MM W/TAPE	2	2 FOR SPK.SIDE
630-114520-00	FIBRE WASHER	1	1 FOR FBT P/N:001-229901-05
631-881301-00	FIBRE (FOR SHIELD PLATE)	1	FOR SHIELD PLATE
661-932501-01	FUSE LABEL - ATAKI DESIGN (T4A/250V)	1	
744-881301-00	SPRING FOR C.R.T. MOUNTING 5.2 X 42 X 0.6MM	2	
746-063101-00	TEST PIN:TOTAL LENGTH 18.6mm THK:0.8mm	2	TP104,103
746-063101-01	AC LINE CORD PIN	4	FOR POWER SW.PCB
750-063101-00	SOLDERING LUG LEG:8X4MM	3	FOR IC401,Q402,Q904
750-063102-01	35MM SOLDERING LUG OD:7 ID:3.2 LEG:4X35MM	5	FOR AC LINE CORD, SPK. CONNECTOR
766-686801-00	FUSE HOLDER	2	F901
779-932501-00	IRON HEAT SINK	1	FOR IC901,IC103
779-932902-02	IRON HEAT SINK	1	FOR IC201
781-932501-02	ALUMINIUM HEAT SINK (POWER)	1	FOR Q909,BR901
781-932903-01	ALUMINIUM HEAT SINK (A)	1	FOR Q402
781-932909-01	ALUMINIUM HEAT SINK (L)	1	FOR Q405
781-932910-01	ALUMINIUM HEAT SINK (M)	1	FOR IC401
783-881303-00	SHIELD PLATE #L-299	1	
783-881306-03	SHIELD CAN COVER	1	
783-881313-01	SHIELD CAN	1	
889-829B01-U0	AV PCB COVER PLATE (UL)	1	

PART NUMBER	DESC	QTY	DESTINATION
896-882101-00	POWER BOARD COVER (UL)	1	
001-228026-10	FLYBACK TRANSFORMER BSC26-1	0	# T402 (REF:GTVM94-004)
001-229279-05	FLYBACK TRANSFORMER 154-279C (C) LG BEIJING	0	# T402 (REF:GTVM94-004)
001-229901-05	FLYBACK TRANSFORMER F27901-02/ 154-279C GOLDSTAR	1	# T402
101-288270-95	LINE FILTER LB28T270	2	# L901,905
101-288280-95	LINE FILTER 50MH FOR 28"	0	# L901
101-490260-94	SWITCH POWER TRANSFORMER 28" KB49C260 "HIGHLIGHT"	1	# T901
101-490501-94	SWITCH POWER TRANSFORMER #BCK-4025B-501 "SHEKOU JEWEL"	0	# T901
113-565210-99	CARBON COMPOSITION RESISTOR 5.6M OHM 1/2W +-10%	2	# R948,921
113-565210-99	CARBON COMPOSITION RESISTOR 5.6M OHM 1/2W +-10%	0	# R948,921
113-688305-42	FUSING RESISTOR 0.68 OHM 1W +-5%	3	# R435,434,916
113-688305-49	FUSING RESISTOR 0.68 OHM 1W +-5% "KOA"	0	# R435,434,916
114-210262-00	THERMISTOR PTH451C262B	1	# TH901
114-210270-02	THERMISTOR 18 OHM 270V #2322 662 96524 "PHILIPS"	0	# TH901
114-210270-12	THERMISTOR 18 OHM 276V #2322 662 96724 "PHILIPS"	0	# TH901
114-210290-00	THERMISTOR 18 OHM +-20% #PTH451C234BG180M290A "MURATA"	0	# TH901
123-222466-47	CERAMIC CAP. 0.0022 MFD 400VAC +-20% W/IEC384-14 APP. "TDK"	0	# C917
123-222466-50	CERAMIC CAP. 0.0022 MFD 400VAC +-20% ECKDNA222ME "MATSUSHITA"	1	# C917
123-222466-51	CERAMIC CAP. 0.0022 MFD 400V +-20% W/IEC 384-14 APP. MURATA	0	# C917
126-473222-41	METALIZED POLYPROPYLENE CAP. 0.047 MFD 275V +-20% "OKAYA"	2	# C902,980
126-473222-45	METALIZED POLY.CAP. 0.047 MFD 275VAC +-20% "XIAMEN FALA"	0	# C902,980
126-474222-45	METALIZED POLY.CAP. 0.47 MFD 275VAC +-20% "XIAMEN FALA"	1	# C901
126-474222-45	METALIZED POLY.CAP. 0.47 MFD 275VAC +-20% "XIAMEN FALA"	0	# C901
146-100001-14	POWER SWITCH (ESB-99957S COST COST REDUCTION)	0	#
146-100006-14	POWER SWITCH PS5E-B "CHINA LANDMARK"	1	#
161-540004-01	CRT SOCKET ISH-01 IN CHANG	0	#
161-540004-01	CRT SOCKET ISH-01 IN CHANG	1	#
182-224000-03	FUSE T4A 250V	1	# F901
182-224000-23	FUSE T4A/250V 5 X 20 MM TIME- LAG #50T040H "UNITRONIC"	0	# F901
182-224000-33	FUSE 4A/250V 5 X 20MM SLO-BLO #218004 LITTELFUSE	0	# F901
191-101012-10	1 PIN DOUBLE INSOLATION WIRE AWG 18 L=400MM BLUE	0	# FROM POWER SWITCH TO CN901 ON POWER PCB
191-101012-10	1 PIN DOUBLE INSOLATION WIRE AWG 18 L=400MM BLUE	1	# FROM POWER SWITCH TO CN901 ON POWER P.C.B.

PART NUMBER	DESC	QTY	DESTINATION
191-101013-10	1 PIN DOUBLE INSOLATION WIRE AWG 18 L=400MM BROWN	0	# FROM POWER SWITCH TO CN902 ON POWER PCB
191-101013-10	1 PIN DOUBLE INSOLATION WIRE AWG 18 L=400MM BROWN	1	# FROM POWER SWITCH TO CN902 ON POWER P.C.B.


LOCAL COMMANDS FOR IC701
1. 0
2. 1
3. 2
4. 3
5. 4
6. 5
7. 6
8. 7
9. 8
10. 9
11. -/-. PAGE (+)
12. PAGE (-)
13. STAND BY
14. MUTE
15. P.P
16. RECALL
17. VOL/PIC (+)
18. VOL/PIC (-)
19. PAGE HOLD
20. SUBCODE
21. LARGE
22. REVEAL
23. CANCEL
24. MIX
25. CH (+)
26. CH (-), LIST FASTEXT
27. TIMER
28. AV
29. PIC
30. TX
31. TV ON
32. YELLOW
33. CYAN
34. ST/MO/I/II
35. GREEN
36. RED
NOTE:
(1) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTE
ALL CAPACITORS ARE 50wv UNLESS OTHERWISE NOTED
(2) CAPACITORS NOT SPECIFICALLY DESIGNATED ARE CERAMIC CAPACITOR.
ELECTROLYTIC CAPACITOR
BP BI-POLAR ELECTROLYTIC CAPACITOR
T TANTALUM CAPACITOR
M MYLAR CAPACITOR
MP METALLIZED POLYESTOR
P POLYESTOR FILM CAPACITOR
PP POLYPROPYLENE CAPACITOR
(3) ALL RESISTORS ARE IN OHM 1/16 W UNLESS OTHERWISE NOTED.
(4) RESISTORS NOT SPECIFICALLY DESIGNATED ARE CARBON FILM RESISTORS.
CARBON COMPOSITION RESISTOR
METAL OXIDE RESISTOR
CEMENT RESISTOR
FUSEBLE RESISTOR
THERMISTOR
(5) DC VOLTAGE ARE MEASURED FORM POINTS INDICATED TO THE CIRCUIT GROUND WITH A DIGITAL MULTIMETER TEST.
(6) WAVEFORMS ARE TAKEN WITH SETTING CONTROLS TO A NORMAL CONITIONS (COLOUR BAR PATTEN).
(7) THIS CIRCUIT DIAGRAM IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
(8) ON THE SCHEMATIC SHOULD BE REPLAED WITH EXACT MANUFACTURER RECOMMENED PARTS.
40p
IC602 ST24C01B1
IC602 '1' CONNECT GND.
IC602 '2' CONNECT +5V.
HYPER TUNER
R116; R610 10K
R606 15K
90p
IC602 ST24C02AB1
IC602 '1' CONNECT +5V.
IC602 '2' CONNECT GND.
NORMAL TUNER
R116; R610 15K
R606 22K
REF. | 63CM (25") (Value) | 74CM (29") (Value)
L401 | 54uH | 15uH
R427 | 3K3 | 4K7
R426 | 4K7 | 3K3
C412 | 0.27/250V | 0.47/250V
FRONT AV IN
AC INPUT
DEFLECTION YOKE
CRT
IC601 CTV322 OR PCA84C841P
IC801 SAA5246AP/T
IC307 TDA4650
IC701 SAA3010T
IC102 TDA8305A
IC802 HY6264LP-10
IC201 LA4445
IC303 TA8628N
IC304 TDA3504
IC101 TDA3857
IC060 TDA8416
IC401 TDA3654
IC305 TDA4565
IC306 TDA4661
IC901 L7805CV
IC103 L7812CV
IC602 ST24C01B1
SAFETY CRITICAL DEVICE.
ART-TECH VIDEO ENGINEERING LTD.
Title GT-825/829 (TEAC) SCHEMATIC DIAGRAM
Checked by: (CHOI PING KUEN)
Size A
Document Number 932900-28
SYSTEM : PAL-BG & TXT
SCART FRONT AV IN
REV
Date: March 13, 1998 Sheet 1 of