

TEAC[®]

SERVICE MANUAL

CTM711/715

66 cm CTV

TEAC AUSTRALIA

TECH MEMO #TV#

05.08.94

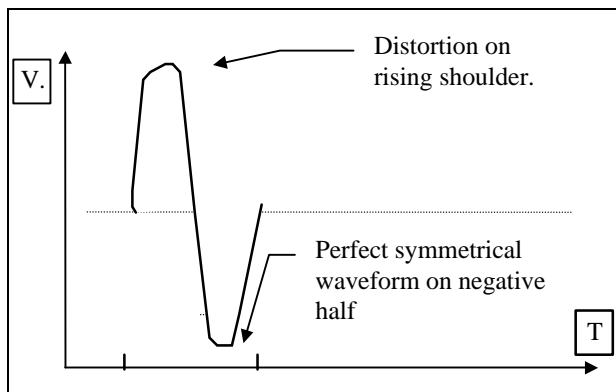
Model: CTM511/5S, CTM631/5S, CTM711/5S - Stereo Televisions

Symptom: The instability of the Stereo Identification Signal on some high quality live stereo TV programs will cause split-second Sound distortion that may be confused as 'Sibilance'. Replacement of C015 will improve filtering of the ID signal and remove any interference causing the effect. Stereo LED indicators may or may not switch off when distortion is audible. However, re-transmitted programs from overseas, movies and alike will not show any symptoms.

Instruction: Incoming RF signal must be clean, high quality live transmission to verify if a TV is effected (use the NEWS or ABC Kids programs for example).

Check Stereo ID signal (~117.5Hz) present on [TP001] Pin 5 of TDA 3803A (IC001). The sinewave found should be at least 7.0 Vpp (AC) and may vary slightly in amplitude from station to station. Instability of this wave is synchronised with speech and music and will show as a milli-second collapse.

Carefully remove Stereo PCB, disconnection all connectors and the link to the main PCB (going to R633). Replace C015 from the original 10nF with a 1nF Capacitor . Reconnect all connectors and the link, check [TP001] again.



[TP001] must be peaked to its maximum amplitude with T001 and thereafter readjusted to a more stable waveform with a shoulder distortion, as shown typically 6.5Vpp and 8.5ms , (use a suitable adjustment tool and *do not* readjust any other potentiometers on the Stereo PCB).

Please note that the correct adjustment of T001 must result in a distinctive 'shoulder distortion' on the positive rising edge of the sinewave, the falling side is undistorted. This is not the maximum amplitude adjustment as outlined in the service manual!

Should you require any more information, please fax your enquiry on (03) 646 5554 to the attention of the Technical Manager.

Zoltan Sekula
Technical Manager

TEAC AUSTRALIA

TECH MEMO

23.07.94

Model: CTM511/5S, CTM631/5S, CTM711/5S - Stereo Televisions

Symptom: All sets have in common a 12 Volt Zener Diode ((ZD 402 - 12V/1W) short and limiting Resistor (0.68 Ω and/or 6.2 Ω) open, or vertical collapse (TDA 3653B) and/or Horizontal output transistor (2SD1555 or 2SD1547) short.

Confirmation: Check B+ as 112V/(143V respectively CTM 7xx) up by ~ 30 to 40Volts
Check 12 Volt rail and if not there....
Check Zener Diode (ZD 402) for short (near Vertical heatsink)
(CTM511/515) Check R423 open
(CTM631/635, CTM 711/715) Check R435 open (near EHT TRX)

Instruction: Replace all faulty components and the following Capacitors in the Power supply.

Old Value	New Value	CTM 511/515	CTM 631/635	CTM 711/715
47uF/25V	47uF/63V	C909	C910	C910
10uF/50V	10uF/100V	C910	C908	C908

Also check the B+ rail capacitor and replace it if the powersupply failed as outlined above.

Model	Location	Original:	Replace with:
CTM511 or 515	C915	47uF/160V	47uF/160V
CTM631 or 635	C926	22uF/160V	22uF/160V
CTM711 or 715	C925	100uF/150V	100uF/160V

Special Note:

When a unit is repaired for the symptoms as described above and the Capacitors are not replaced, because it is not apparent that they are faulty, it will result in a repeated breakdown within days after completion of the repair.

It is imperative that all Televisions with the above model number, irrespective of the original complaint, have the outlined power supply Capacitors replaced as a matter of preventative service.

Should you require any more information, please fax your enquiry on (03) 646 5554 to the attention of the Technical Manager.

SPECIFICATION

SYSTEM	:	PAL- G/G FTZ (FOR AUSTRALIA)	
		----- TV SECTION -----	
CHANNEL COVERANGE	VHF LOW	:	0-5 CH.
	VHF HIGH	:	5A-11 CH.
	UHF	:	21-65 CH.
FREQUENCY RANGE	VHF LOW	:	47-108 MHz
	VHF HIGH	:	137-230 MHz
	UHF	:	470-830 MHz
VISION/SOUND SEPARATION		:	5.5 MHz
FREQUENCY VIDEO IF		:	30.9 MHz
	SOUND IF	:	33.4 MHz
STEREO SENSITIVITY		:	40 dBuV
SENSITIVITY	VHF LOW	:	47 dBuV
(AT 30dB S/N)	VHF HIGH	:	47 dBuV
	UHF	:	50 dBuV
SCANNING LINES		:	625 lines
	HORIZONTAL	:	15625 Hz
	VERTICAL	:	50 Hz
OUTPUT POWER MAXIMUM		:	4500 mW
	10% THD	:	3000 mW
C R T .		:	29" DIAGONAL, 110° DEGREES DEFLECTION ANGLE
SPEAKER		:	5" 8 OHM 7W x 2
ANTENNAL EXTERNAL		:	75 OHM
POWER CONSUMPTION		:	120 WATT MAX

VIF ALIGNMENT

A. Preparation Step (See Fig. 1)

- (i) Connect AGC bias voltage to pin 10 at IC102, the DC supply should be turned off this time.
- (ii) Connect 14V B+ bias voltage to D404 (-) and Ground.
- (iii) Connect 14V B+ bias voltage to C923 (+) and Ground.
- (iv) Connect sweep generator to tuner test point and Ground.

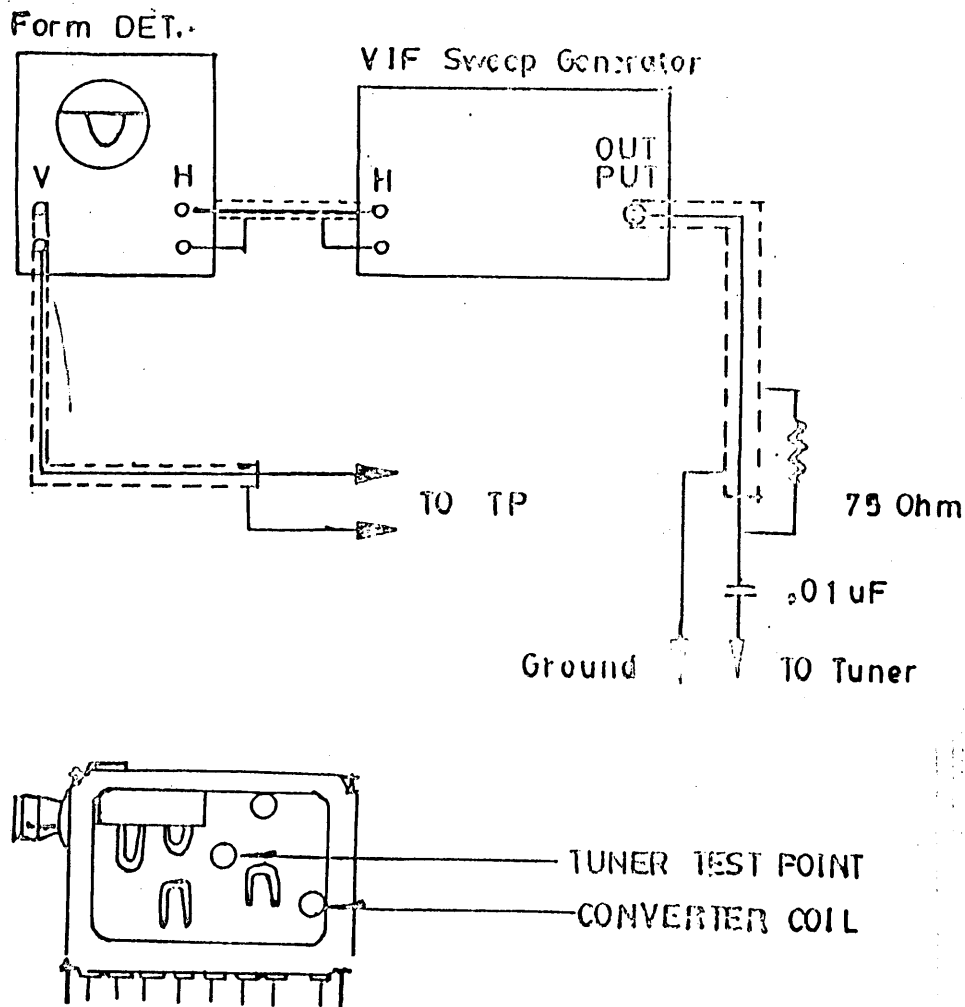


Fig.1

B. Tank Coil Alignment Step (See Fig. 2)

- (i) Calibrate the Division of waveform Detector equal to 100 mV per div.
- (ii) The output of sweep generator should be -50dB.
- (iii) Connect the waveform detector between L103 and Ground.
- (iv) Adjust AGC bias until the output waveform equal to 1V p.p. (10 div.)

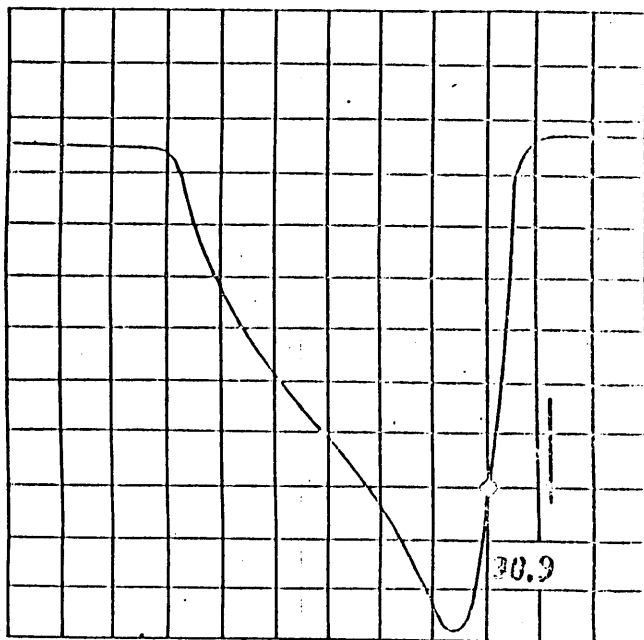


Fig. 2

- (v) Turn T101 until the marker 30.0MHz falls to the lowest point as Fig.2.

C. VIF ALIGNMENT

- (i) Connect waveform detector to L103 and Ground.
- (ii) Connect 100 ohm resistor between TP103 and TP104.
- (iii) Adjust T105 until obtain the maximum waveform amplitude.
(If Provided.)
- (iv) Reduce output level of sweep generator to -50dB.
- (v) Adjust AGC bias to maintain the waveform achieve 1V p-p.
- (vi) Adjust tuner covertor coil to obtain the waveform as Fig.3.

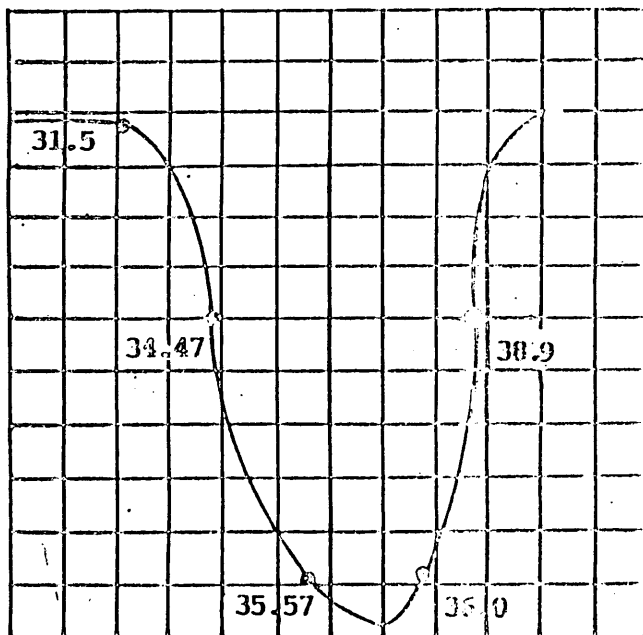


Fig. 3

F. SIF ALIGNMENT

- (i) Connect the sweep generator to TP105.
- (ii) Connect waveform detect to PIN 1 and PIN 3 at CN306
- (iii) Connect AGC Bias voltage to TP101.
- (iv) The output of sweep generator should be -40dB.
- (v) Adjust T104 and T102 to obtain the waveform as Fig.5.

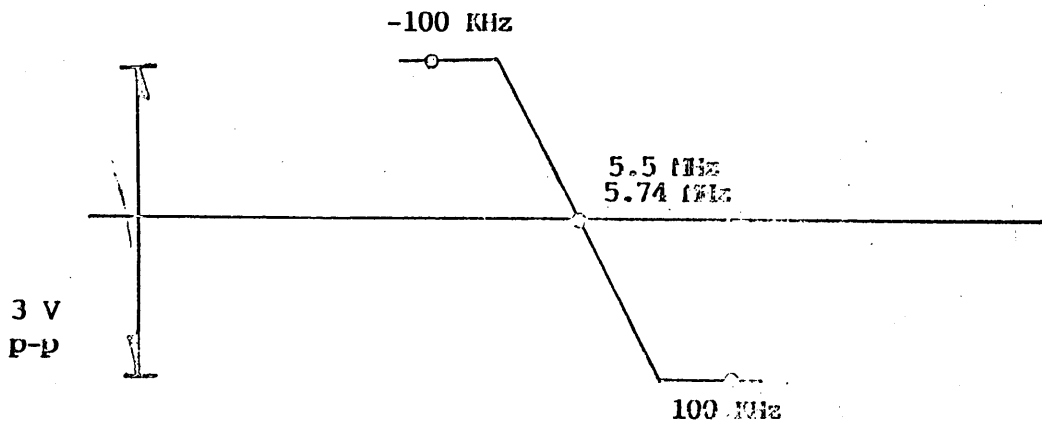


Fig. 5

D. AFC ALIGNMENT

- (i) Connect Philips Pattern Generator to tuner test point and Ground (Frequency is 38.9 MHz color bar)
- (ii) Connect Digital multimeter to PIN 18 at IC102.
- (iii) Adjust T101 to obtain a DC 6V.

E. SOUND TANK COIL ALIGNMENT

- (i) Connect Philips Pattern Generator to tuner test point and Ground (Frequency is 38.9 MHz color bar)
- (ii) Connect Digital multimeter to PIN 12 at IC101.
- (iii) Adjust T103 to obtain a DC 2.0V.

VOLTAGE TABLE FOR IC

SYMBOL PIN NO.	IC102 (V)	IC101 (V)	IC307 (V)	IC401 (V)
1	5.1	1.7	6.5	2.2
2	2.8	2.1	7.2	0.00
3	3.7	2.5	6.5	1.6
4	3.4	0.937	7.22	0.00
5	3.9	1.82	9.65	0.13
6	0.0	2.17	9.6	25.0
7	11.5	2.17	4.34	1.9
8	5.5	1.8	3.45	4.35
9	5.5	1.8	0.00	24.34
10	2.4	4.1	4.38	
11	1.88	4.1	0.00	
12	2.46	2.79	2.32	
13	3.0	0.04	11.5	
14	1.5	1.67	5.7	
15	2.29	1.77	3.36	
16	0.0	2.95	7.9	
17	3.5	0.03	2.5	
18	6.28	0.00	7.6	
19	6.18	5.15	2.8	
20	5.6	1.78	7.68	
21	5.6		2.7	
22	9.4		5.47	
23	2.8		7.2	
24	2.9		1.26	
25	4.5			
26	0.787			
27	1.18			
28	3.3			

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position
 BRIGHTNESS : Maximum Position
 COLOR : Maximum Position
 SIGNAL INPUT : 80 dBuV
 CHANNEL SETTING : The Last Channel of UHF High
 SIGNAL PATTERN : Colour Bar

VOLTAGE TABLE FOR IC

SYMBOL PIN NO.	IC302 (V)	IC303 (V)	IC304 (V)	IC305 (V)	IC306 (V)
1	3.649	5.2	3.29	4.1	5.56
2	0	0	11.8	0.03	0.00
3	3.65	4.07	8.2	3.39	0.00
4	3.65	0.00	0.00	3.39	0.00
5	3.65	3.966	7.8	2.5	0.627
6	3.68	3.904	0.1	4.8	0.00
7	3.68	0.00	0.00	4.18	0.87
8	0.004	0.00	0.00	4.26	0.00
9	0.115	4.3	4.3	4.97	5.5
10	0.01	4.06	4.1	11.4	0.00
11	3.027	0.39	2.9	2.34	3.01
12	0.0	5.28	0.00	10.0	3.01
13	2.99	5.3	0.00	0.00	0.00
14	11.838	0.00	4.06	1.2	1.36
15	0.016	4.63	4.09	7.4	0.00
16	2.98	4.6	2.3	3.7	1.37
17		3.46	2.06	0.00	
18		0.00	0.00	0.00	
19		0.00	3.36		
20		3.8	3.33		
21		0.00			
22		4.578			
23		0.00			
24		5.315			
25					
26					
27					
28					

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

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 COLOR : Maximum Position
 SIGNAL INPUT : 80 dBuV
 CHANNEL SETTING : The Last Channel of UHF High
 SIGNAL PATTERN : Colour Bar

G. STEREO and Dual Sound Alignment

- (1) Receive color bar pattern (with stereo and Dual Sound).
- (2) Connect oscilloscope to TF001, adjust VR001 with stereo signal to get a max waveform.
- (3) Connect oscilloscope to TF002, adjust VR003 with dual signal to get a max waveform.
- (4) Adjust T001 to get a max amplitude on both dual and stereo.;

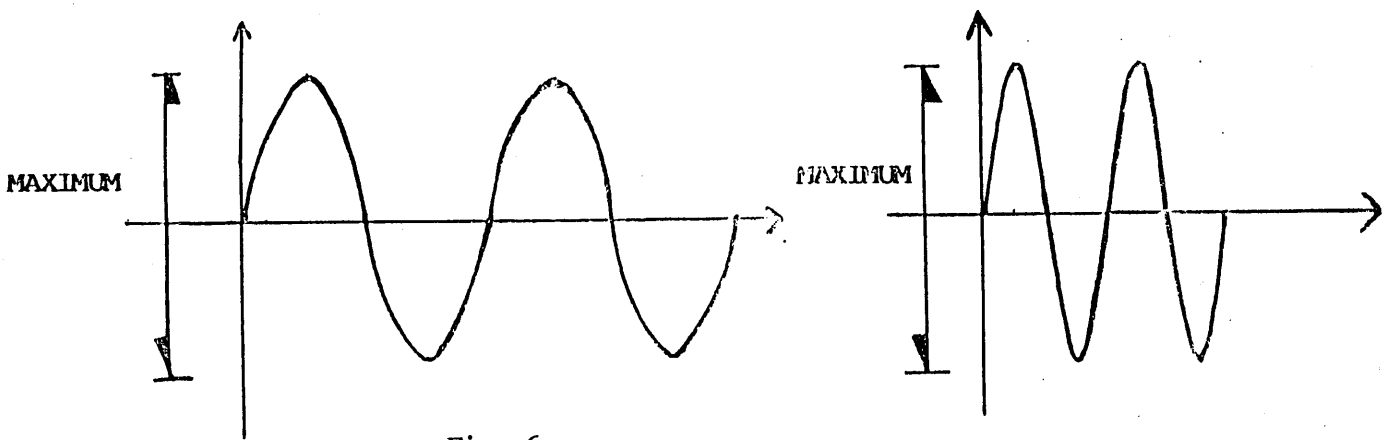


Fig. 6

H. Separation Alignment

- (1) Receive color bar pattern (with stereo sound, L 3 KHz R 1 KHz).
- (2) Connect Digital multimeter to PIN 1 at CN201 and ground.
- (3) Adjust volume control to obtain a 0.89 Vrms.
- (4) Switch off the left channel signal (3 KHz) from the signal generator.
- (5) Adjust VR002 to make a minimum output level.

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 143V.

HORIZONTAL CIRCUIT ADJUSTMENT

- 1) Receive Monoscope Pattern input signal 80dBuV.
- 2) Connect terminal 25 pin of IC102 and the ground with the Elect.Cap. 10/16
- 3) Adjust VR103 to obtain the picture running at center.
- 4) Adjust VR102 to obtain the picture at center.

VERTICAL CIRCUIT ADJUSTMENT

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

WHITE BALANCE ALIGNMENT STEP

(deguss the picture by deguassing coil if necessary)

- 1) Receive a channel from pattern generator, and switch off all pattern.
- 2) Turn the brightness, contrast and colour control to minimum.
- 3) Turn VR501,502,503,504,505 to central position.
- 4) Turn VR301 to central position and get a 2V DC voltage at L301.
- 5) Adjust screen control on flyback transformer, until no emission on CRT picture.
- 6) Adjust VR501,502,504 to get cut off balance. (black level balance)
- 7) Adjust VR503,505 to get white balance.

SUB-BRIGHTNESS ALIGNMENT

- 1) Receive a colour bar pattern.
- 2) Turn the brightness, contrast and colour to minimum.
- 3) Adjust VR301 until the brightest bar can just be seen.

FOCUS ALIGNMENT

- 1) Set the brightness and contrast to middle position.
- 2) Receive a monoscope pattern.
- 3) Adjust focus control to obtain sharpest picture.

AGC ALIGNMENT

- 1) Receive CH69 (UHF) and input field strength in 63dB \pm 3dB input.
- 2) Adjust VR101 to the point where noise is disappeared.

EAST-WEST CORRECTION ADJUSTMENT

FOR PAL SYSTEM

- 1) Receive a pattern with centre cross and crosshatch.
- 2) After vertical size adjustment, adjust VR403 for picture size, adjust VR402 for correction.

FOR NISC SYSTEM

- 1) Receive a pattern with centre cross and crosshatch from AV input.
- 2) Adjust VR404 for E-S₁ correction.

VOLTAGE TABLE FOR TRANSISTOR

SYMBOL	B (V)	C (V)	E (V)	SYMBOL	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	3 mV	11.1	Q402	-0.1	113	0
Q103	0.6	5 mV	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	Q554			
Q108	11	0.1	11	Q555			
	10.2	11	11.1	Q556			
Q109	3.7	11	3.1	Q601	0.6	1.1	0
Q201	18.6	18	18	Q602	0.6	56 mV	3 mV
Q302	1.9	1.7	0	Q603	8.6	10.9	8.3
Q303	42	80.8	0	Q604	2 mV	0.25	0
Q304	3.8	11.1	3.1	Q605	0.26	1.1	0
Q305	50 mA	11.1	10 mV	Q905	0.6	0.6	0
Q306	-3	10.5	0	Q909	-36.4	202	-35
				Q910	-31	-30	-31
				Q911	-26	-30	-31
				Q912	-22	-18.4	-30

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

- CONTRAST : Maximum Position
- BRIGHTNESS : Maximum Position
- COLOR : Maximum Position
- SIGNAL INPUT : 80 dBuV
- CHANNEL SETTING : The Last Channel of UHF High
- SIGNAL PATTERN : Colour Bar

Print Date : 23/12/94

Page Number : 1

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

CT-M711ST

PRODUCT CODE : 932874-ET0004-GT

DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTEXT SONY GREY 240V SAA

ASSEMBLY NUMBER	DESCRIPTION
155-000400-06-00	COMMON PART FOR HANDSET ASS'Y (R/C 9313)
155-000400-06-04	NON-COM PART HANDSET ASS'Y(F.TXT/STEREO)
158-932874-ET-00	COMMON PART FOR CHASSIS ASS'Y (BG)
158-932874-ET-01	NON-COMMON PART FOR CHASSIS ASS'Y (BG)
159-932874-ET-00	COMMON PART FOR CASING ASS'Y (BG)
159-932874-ET-05	NON-COM PART FOR CASING ASS'Y(SONY GREY)
160-000400-70-01	NON-COM FOR FASTEXT(ENG)ASS'Y(W.EUROPE)
163-932874-ET-05	NON-COM PART FORPACKING ASS'Y (PAL/BG)

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PRODUCT CODE : 932874-ET0004-GT

Page Number : 2

DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTEXT SONY GREY 240V SAA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 155-000400-06-00 COMMON PART FOR HANDSET ASS'Y (R/C 9313)						
107-800455-46	455K HZ RESONATOR CSB455EB CF701	MURATA	PC	0	1.00000	.1980
113-101005-17	CARBON FILM RESISTOR 100 OHM R704,706	1/16W +-5%	PC	0	2.00000	.0035
113-102005-17	CARBON FILM RESISTOR 1K OHM R705	1/16W +-5%	PC	0	1.00000	.0035
113-103005-17	CARBON FILM RESISTOR 10K OHM R702	1/16W +-5%	PC	0	1.00000	.0035
113-109005-17	CARBON FILM RESISTOR 1 OHM R708,710	1/16W +-5%	PC	0	2.00000	.0044
113-473005-17	CARBON FILM RESISTOR 47K OHM R703	1/16W +-5%	PC	0	1.00000	.0035
113-682005-17	CARBON FILM RESISTOR 6.8K OHM R701	1/16W +-5%	PC	0	1.00000	.0044
127-476042-03	ELECT. CAP. 47 MFD 16V +-20% C701		PC	0	1.00000	.0288
130-600101-00	INFRARED EMITTER EL-1L1 LED701	KODENSHI	PC	0	1.00000	.1340
131-210719-29	TRANSISTOR 2SA719R/S Q702	MATSUSHITA	PC	0	1.00000	.0633
131-230945-00	TRANSISTOR 2SC945 NEC Q701		PC	0	1.00000	.0417
133-803010-33	I.C. SAA3010T PHILIPS IC701		PC	0	1.00000	.9673
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	.0024
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	.0030
172-726000-99	BARE WIRE 54MM W701-702		M	0	.11000	.0092
190-931302-02	REMOTE P.C.B.		PC	0	1.00000	.5346
773-036864-00	BATTERY CONTACT PLATE +VE		0	1.00000	.0173	.017
773-222001-00	BATTERY CONTACT PLATE (+VE.-VE) W/NICKEL PLATING		0	1.00000	.0365	.036
774-036862-00	BATTERY CONTACT SPRING -VE		0	1.00000	.0260	.026
964-931301-00	SENSOR LENS		0	1.00000	.0275	.027

ASSB PRICE : 2.112

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Print Date : 23/12/94

PRODUCT CODE : 932874-ET0004-GT

Page Number : 3

DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTEXT SONY GREY 240V SAA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 155-000400-06-04 NON-COM PART HANDSET ASS'Y(F.TXT/STEREO)						
514-200407-10	SELF-TAPPING SCREW 2 X 7 B/T (HARDEN) FOR HANDSET	PC	0	1.00000	.0019	.0019
516-260408-10	SELF-TAPPING SCREW 2.6 X 8 P/T(HARDEN) FOR HANDSET	PC	0	2.00000	.0017	.0034
849-931301-00	CONTACT RUBBER KEY PAD		0	1.00000	.5577	.5577
889-931310-00	HANDSET COVER PLATE FOR W/O LCD REMOTE		0	1.00000	.0115	.0115
892-931308-10	DIAL KEY PLATE - TEAC (A) DESIGN (RC-554)		0	1.00000	.0000	.0000
900-931310-01	HANDSET TOP CABINET - MOULDED BLACK		0	1.00000	.1471	.1471
902-931310-01	HANDSET BOTTOM CABINET - MOULDED BLACK		0	1.00000	.1260	.1260
910-931301-01	BATTERY DOOR - BLACK MOULDED		0	1.00000	.0258	.0258

ASSB PRICE : .873

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Print Date : 23/12/94 PRODUCT CODE : 932874-ET0004-GT
 Page Number : 4 DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTEXT SONY GREY 240V SAA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 158-932874-ET-00 COMMON PART FOR CHASSIS ASS'Y (BG)						
001-229901-05	FLYBACK TRANSFORMER F27901-02 GOLDSTAR T402	PC	0	1.00000	12.3542	12.354
012-102340-06	SEMI-FIXED RESISTOR EVND8AA 03B13 1KB VR401,901	PC	0	2.00000	.0529	.105
012-104340-06	SEMI-FIXED RESISTOR EVND8AA 03B15 100KB VR101	PC	0	1.00000	.0558	.055
012-203340-06	SEMI-FIXED RESISTOR EVND8AA 03B24 20KB VR402,103	PC	0	2.00000	.0529	.105
012-301330-06	SEMI-FIXED RESISTOR EVND2AA 03B32 300B VR503,505	PC	0	2.00000	.0587	.117
012-502330-06	SEMI-FIXED RESISTOR EVND2AA 03B53 5KB VR502,504,501	PC	0	3.00000	.0587	.176
012-502340-06	SEMI-FIXED RESISTOR EVND8AA 03B53 5KB VR403,601	PC	0	2.00000	.0529	.105
012-503340-06	SEMI-FIXED RESISTOR EVND8AA 03B54 50KB VR102,301	PC	0	2.00000	.0529	.105
101-190710-96	HORIZONTAL DRIVE TRANSFORMER R0710 T401	PC	0	1.00000	.2885	.288
101-288280-95	LINE FILTER 50MH FOR 28" L901	PC	0	1.00000	.6993	.699
101-514828-94	SWITCHING TRANSFORMER FOR 28" MOD T901	PC	0	1.00000	4.0385	4.038
102-370600-02	TANK COIL / AFC COIL COILS 707851 T101,103	PC	0	2.00000	.1000	.200
102-671300-02	SOUND IF COIL. COILS 710256 T104	PC	0	1.00000	.1000	.100
102-770310-20	CHROMA FILTER "TOMEI" 7R-92072 T305	PC	0	1.00000	.0968	.096
105-100103-02	FIXED INDUCTIVE COIL 10UH +-10% AXIAL TYPE L102	PC	0	1.00000	.0342	.034
105-181101-02	FIXED INDUCTIVE COIL 180UH 10% L501	PC	0	1.00000	.0458	.045
105-201106-02	CHOKE COIL 200UH 10% CH9012- 201K (ELEC PRODUCT) L903,904	PC	0	2.00000	.1682	.336
105-540102-35	LINEARITY COIL 54UH FOR 28"CRT L401	PC	0	1.00000	1.2871	1.287
105-689101-02	FIXED INDUCTIVE COIL 6.8UH 10% L103	PC	0	1.00000	.0342	.034
105-821156-06	CHOKE COIL 820UH 0.37 OHM HIGHLIGHT L402	PC	0	1.00000	.3462	.346
105-828103-02	FIXED INDUCTIVE COIL 0.82UH 10% AXIAL TYPE L101	PC	0	1.00000	.0342	.034
105-829101-02	FIXED INDUCTIVE COIL 8.2UH 10% L301,302,303	PC	0	3.00000	.0342	.102
106-210012-01	RELAY 12V OMIT-SS-112LM ORIGINAL RLY901	PC	0	1.00000	1.0125	1.012
107-104430-66	CHROMA TRAP CERAMIC FILTER 4.43 MHZ MURATA CF302	PC	0	1.00000	.2308	.230

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount	
111-104281-2A	VERIABLE RES. W/CENTRE CHICK VR201	100K (VA09CVI U 20TMB100K HDK)	PC	0	1.00000	.2308	.230
113-100105-17	CARBON FILM RESISTOR 10 OHM R601,119,108,140	1/4W +-5%	PC	0	4.00000	.0028	.011
113-100505-75	METAL OXIDE FILM RESISTOR 10 OHM R429	3W +-5%	PC	0	1.00000	.0515	.051
113-101105-17	CARBON FILM RESISTOR 100 OHM R309,317,318,319,322,613	1/4W +-5%	PC	0	6.00000	.0033	.019
113-101105-17	CARBON FILM RESISTOR 100 OHM R624,625,650,643,644,638,343,351,934,342	1/4W +-5%	PC	0	10.00000	.0033	.032
113-101305-75	METAL OXIDE FILM RESISTOR 100 OHM R130	1W +-5%	PC	0	1.00000	.0192	.019
113-102105-17	CARBON FILM RESISTOR 1K OHM R422,922,201,329,331,402,107,325,330,935	1/4W +-5%	PC	0	10.00000	.0033	.032
113-102105-17	CARBON FILM RESISTOR 1K OHM R619,617,607,608,618,620,621,634,637,640,641	1/4W +-5%	PC	0	11.00000	.0033	.036
113-102105-17	CARBON FILM RESISTOR 1K OHM R636,639,642,109,143,153,320,302,328,354	1/4W +-5%	PC	0	10.00000	.0033	.032
113-102305-75	METAL OXIDE FILM RESISTOR 1K OHM R414	1W +-5%	PC	0	1.00000	.0192	.019
113-103101-67	METAL FILM RESISTOR 10K OHM R609	1/4W +-1%	PC	0	1.00000	.0092	.009
113-103105-12	CARBON FILM RESISTOR 10K OHM R905	1/4W +-5%	PC	0	1.00000	.0023	.002
113-103105-17	CARBON FILM RESISTOR 10K OHM R612,623,635,649,632,103,110,113,104,111	1/4W +-5%	PC	0	1.00000	.0030	.003
113-103105-17	CARBON FILM RESISTOR 10K OHM R303,304,315,407,352	1/4W +-5%	PC	0	5.00000	.0030	.014
113-103105-17	CARBON FILM RESISTOR 10K OHM R154,321,339,927,437,353,364,380,335	1/4W +-5%	PC	0	9.00000	.0030	.026
113-103105-17	CARBON FILM RESISTOR 10K OHM R612,623,635,649,632,103,110,113,104,111	1/4W +-5%	PC	0	10.00000	.0030	.029
113-104105-17	CARBON FILM RESISTOR 100K OHM R136	1/4W +-5%	PC	0	1.00000	.0028	.002
113-104305-75	METAL OXIDE FILM RESISTOR 100KOHM R918	1W +-5%	PC	0	1.00000	.0192	.019
113-105001-67	METAL FILM RESISTOR 1M OHM R358	1/16W +-1%	PC	0	1.00000	.0190	.019
113-109305-75	METAL OXIDE FILM RESISTOR 1 OHM R410	1W +-5%	PC	0	1.00000	.0192	.019
113-120305-75	METAL OXIDE FILM RESISTOR 12 OHM R909	1W +-5%	PC	0	1.00000	.0192	.019
113-120405-75	METAL OXIDE FILM RESISTOR 12 OHM R917	2W +-5%	PC	0	1.00000	.0265	.026
113-122105-17	CARBON FILM RESISTOR 1.2K OHM R602,344	1/4W +-5%	PC	0	2.00000	.0028	.005
113-122205-12	CARBON FILM RESISTOR 1K2 OHM R420	1/2W +-5%	PC	0	1.00000	.0056	.005
113-123105-17	CARBON FILM RESISTOR 12K OHM R132	1/4W +-5%	PC	0	1.00000	.0033	.003

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
113-151205-12	CARBON FILM RESISTOR 150 OHM 1/2W +-5% R936,411	PC	0	2.00000	.0052	.010
113-152105-17	CARBON FILM RESISTOR 1.5K OHM 1/4W +-5% R150,152,423,633	PC	0	4.00000	.0030	.011
113-153105-17	CARBON FILM RESISTOR 15K OHM 1/4W +-5% R616,401,605	PC	0	3.00000	.0030	.008
113-153405-75	METAL OXIDE FILM RESISTOR 15K OHM 2W +-5% R137	PC	0	1.00000	.0240	.024
113-153405-75	METAL OXIDE FILM RESISTOR 15K OHM 2W +-5% R510,511,505	PC	0	3.00000	.0240	.071
113-154105-17	CARBON FILM RESISTOR 150K OHM 1/4W +-5% R133	PC	0	1.00000	.0028	.002
113-154205-12	CARBON FILM RESISTOR 150K OHM 1/2W +-5% R433	PC	0	1.00000	.0062	.006
113-158405-75	METAL OXIDE FILM RESISTOR 0.150HM 2W +-5% R912	PC	0	1.00000	.0240	.024
113-159905-51	WIRE WOUND CEMENT RESISTOR 1.50HM 10W +-5% R924	PC	0	1.00000	.2308	.230
113-181105-17	CARBON FILM RESISTOR 180 OHM 1/4W +-5% R310	PC	0	1.00000	.0028	.002
113-182105-17	CARBON FILM RESISTOR 1.8K OHM 1/4W +-5% R904,628,629,630,631,148,306,308,311,350,349	PC	0	11.00000	.0033	.036
113-183105-17	CARBON FILM RESISTOR 18K OHM 1/4W +-5% R408,424,340,604,615	PC	0	5.00000	.0033	.016
113-184105-17	CARBON FILM RESISTOR 180K OHM 1/4W +-5% R151,156,431	PC	0	3.00000	.0028	.008
113-202605-75	METAL OXIDE FILM RESISTOR 2K OHM 5W +-5% R416	PC	0	1.00000	.1154	.115
113-221105-17	CARBON FILM RESISTOR 220 OHM 1/4W +-5% R112,627,106,313,305,307	PC	0	6.00000	.0028	.016
113-221305-75	METAL OXIDE FILM RESISTOR 220 OHM 1W +-5% R413	PC	0	1.00000	.0192	.019
113-222101-67	METAL FILM RESISTOR 2.2K OHM 1/4W +-1% R146	PC	0	1.00000	.0092	.009
113-222105-17	CARBON FILM RESISTOR 2.2K OHM 1/4W +-5% R141,652,332	PC	0	3.00000	.0033	.009
113-222105-17	CARBON FILM RESISTOR 2.2K OHM 1/4W +-5% R507,509,513	PC	0	3.00000	.0033	.009
113-223105-17	CARBON FILM RESISTOR 22K OHM 1/4W +-5% R646,129,312,314,655,406,208,209,346,365,614	PC	0	11.00000	.0033	.036
113-224105-17	CARBON FILM RESISTOR 220K OHM 1/4W +-5% R333,653	PC	0	2.00000	.0028	.005
113-229105-17	CARBON FILM RESISTOR 2.2 OHM 1/4W +-5% R125,327,334	PC	0	3.00000	.0028	.008
113-229205-12	CARBON FILM RESISTOR 2.2 OHM 1/2W +-5% R139	PC	0	1.00000	.0062	.006
113-229505-75	METAL OXIDE FILM RESISTOR 2.2 OHM 3W +-5% R203	PC	0	1.00000	.0615	.061
113-229605-51	WIRE WOUND CEMENT RESISTOR 2.2 OHM 5W +-5% R944	PC	0	1.00000	.1654	.165

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
113-270105-17	CARBON FILM RESISTOR 27 OHM 1/4W +-5% R115	PC	0	1.00000	.0028	.002
113-270405-75	METAL OXIDE FILM RESISTOR 27 OHM 2W +-5% R910	PC	0	1.00000	.0265	.026
113-271105-17	CARBON FILM RESISTOR 270 OHM 1/4W +-5% R147	PC	0	1.00000	.0028	.002
113-272105-17	CARBON FILM RESISTOR 2.7K OHM 1/4W +-5% R142	PC	0	1.00000	.0030	.003
113-272205-12	CARBON FILM RESISTOR 2.7K OHM 1/2W +-5% R502,504,503	PC	0	3.00000	.0062	.018
113-272205-17	CARBON FILM RESISTOR 2.7K OHM 1/2W +-5% R415,428,409	PC	0	3.00000	.0062	.018
113-273105-17	CARBON FILM RESISTOR 27K OHM 1/4W +-5% R155,603	PC	0	2.00000	.0033	.006
113-274105-17	CARBON FILM RESISTOR 270K OHM 1/4W +-5% R430	PC	0	1.00000	.0028	.002
113-331105-17	CARBON FILM RESISTOR 330 OHM 1/4W +-5% R901,336,337,338	PC	0	4.00000	.0033	.013
113-332102-17	CARBON FILM RESISTOR 3.3K OHM 1/4W +-2% R907	PC	0	1.00000	.0052	.005
113-332105-17	CARBON FILM RESISTOR 3.3K OHM 1/4W +-5% R611,645,647,363,367,360,427	PC	0	7.00000	.0028	.019
113-333105-17	CARBON FILM RESISTOR 33K OHM 1/4W +-5% R118,127,128,114,117,144,421	PC	0	7.00000	.0033	.022
113-334001-67	METAL FILM RESISTOR 330K OHM 1/16W +-1% R138	PC	0	1.00000	.0190	.019
113-334105-17	CARBON FILM RESISTOR 330K OHM 1/4W +-5% R131	PC	0	1.00000	.0028	.002
113-334305-75	METAL OXIDE FILM RESISTOR 330KOHM 1W +-5% R911	PC	0	1.00000	.0192	.019
113-335105-17	CARBON FILM RESISTOR 3.3M OHM 1/4W +-5% R356	PC	0	1.00000	.0028	.002
113-390505-75	METAL OXIDE FILM RESISTOR 39 OHM 3W +-5% R926	PC	0	1.00000	.0558	.055
113-390605-75	METAL OXIDE FILM RESISTOR 39 OHM 5W +-5% R913	PC	0	1.00000	.1154	.115
113-391105-17	CARBON FILM RESISTOR 390 OHM 1/4W +-5% R506,508	PC	0	2.00000	.0030	.006
113-392105-17	CARBON FILM RESISTOR 3.9K OHM 1/4W +-5% R404	PC	0	1.00000	.0033	.003
113-393105-17	CARBON FILM RESISTOR 39K OHM 1/4W +-5% R316,361	PC	0	2.00000	.0030	.006
113-470105-17	CARBON FILM RESISTOR 47 OHM 1/4W +-5% R204,206	PC	0	2.00000	.0033	.006
113-471105-17	CARBON FILM RESISTOR 470 OHM 1/4W +-5% R412,123,366	PC	0	3.00000	.0028	.008
113-472105-17	CARBON FILM RESISTOR 4.7K OHM 1/4W +-5% R908,149,120,158,159,205,207,417,426	PC	0	9.00000	.0033	.029
113-473105-17	CARBON FILM RESISTOR 47K OHM 1/4W +-5% R622,648,301,405,651	PC	0	6.00000	.0033	.019

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
113-479105-17	CARBON FILM RESISTOR 4.7 OHM 1/4W +-5% R210,211	PC	0	2.00000	.0028	.005
113-479405-42	NON-FLAMMABLE FUSE RESISTOR 4.7 OHM 2W +-5% R501	PC	0	1.00000	.0846	.084
113-511105-17	CARBON FILM RESISTOR 510 OHM 1/4W +-5% R512	PC	0	1.00000	.0028	.002
113-561105-17	CARBON FILM RESISTOR 560 OHM 1/4W +-5% R347,326	PC	0	2.00000	.0028	.005
113-562105-17	CARBON FILM RESISTOR 5.6K OHM 1/4W +-5% R403,105,202,357,324	PC	0	5.00000	.0033	.016
113-563105-17	CARBON FILM RESISTOR 56K OHM 1/4W +-5% R160	PC	0	1.00000	.0028	.002
113-565205-92	CARBON COMPOSITION RESISTOR 5.6M 1/2W +-5% R948,921	PC	0	2.00000	.0663	.132
113-681105-17	CARBON FILM RESISTOR 680 OHM 1/4W +-5% R135,425	PC	0	2.00000	.0033	.006
113-682102-17	CARBON FILM RESISTOR 6.8K OHM 1/4W +-2% R902	PC	0	1.00000	.0052	.005
113-682105-17	CARBON FILM RESISTOR 6.8K OHM 1/4W +-5% R906,419	PC	0	2.00000	.0028	.005
113-683105-17	CARBON FILM RESISTOR 68K OHM 1/4W +-5% R355,341	PC	0	2.00000	.0028	.005
113-688305-42	FUSING RESISTOR 0.68 OHM 1W +-5% R435,434,914,916	PC	0	4.00000	.0587	.234
113-750105-17	CARBON FILM RESISTOR 75 OHM 1/4W +-5% R929,930,931,932,928	PC	0	5.00000	.0028	.013
113-820105-17	CARBON FILM RESISTOR 82 OHM 1/4W +-5% R418,101	PC	0	2.00000	.0028	.005
113-821105-17	CARBON FILM RESISTOR 820 OHM 1/4W +-5% R126	PC	0	1.00000	.0028	.002
113-822105-17	CARBON FILM RESISTOR 8.2K OHM 1/4W +-5% R923,903,626,460	PC	0	4.00000	.0033	.013
113-823105-17	CARBON FILM RESISTOR 82K OHM 1/4W +-5% R145,432	PC	0	2.00000	.0028	.005
114-210262-00	THERMISTOR PTH451C262B TH901	PC	0	1.00000	1.0773	1.077
123-101350-60	CERAMIC CAP. 100 PF 50V +-10% (SL TYPE) C612,335,336	PC	0	3.00000	.0116	.034
123-102350-90	CERAMIC CAP. 0.001 MFD 50V +-10% (B TYPE) C138,614,348,349	PC	0	4.00000	.0127	.050
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20% C102,117,126,330,147,118,361,363,358,359,357,360	PC	0	12.00000	.0128	.153
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20% R375	PC	0	1.00000	.0128	.012
123-104270-90	CERAMIC CAP. 0.1 MFD 25V +80 -20% C623,139,306,309,307,101	PC	0	6.00000	.0335	.200
123-121350-60	CERAMIC CAP. 120 PF 50V +-10% (SL TYPE) C301,302,303	PC	0	3.00000	.0116	.034
123-122551-90	CERAMIC CAP. 0.0012 MFD 500V +-10% (B TYPE) MATSUSHITA C415	PC	0	1.00000	.0476	.047

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
123-150340-93	CERAMIC CAP. 15 PF 50V +-5% (NPO) C374	PC	0	1.00000	.0144	.014
123-151350-60	CERAMIC CAP 150 PF 50V +-10% (SL TYPE) C137	PC	0	1.00000	.0116	.011
123-152850-43	CERAMIC CAP 0.0015MFD 2KV (DE14108N152K MURATA) C433	PC	0	1.00000	.1921	.192
123-220340-60	CERAMIC CAP. 22 PF 50V +-5% (SL TYPE) C616,617,618,620	PC	0	4.00000	.0107	.042
123-221350-60	CERAMIC CAP. 220 PF 50V +-10% (SL TYPE) C352,353,354,365	PC	0	4.00000	.0137	.054
123-221350-60	CERAMIC CAP. 220 PF 50V +-10% (SL TYPE) C503	PC	0	1.00000	.0137	.013
123-221551-90	CERAMIC CAP. 220 PF 500V +-10% MATSUSHITA C916	PC	0	1.00000	.0566	.056
123-222850-10	CERAMIC CAP. 0.0022 MFD 2KV +-10% MATSUSHITA C912	PC	0	1.00000	.2385	.238
123-223370-90	CERAMIC CAP. 0.022 MFD 50V +80-20% C109,131,124,122,128,129,135,331,332,105,344,369	PC	0	12.00000	.0128	.153
123-250340-93	CERAMIC CAP. 25PF 50V +-5% (NPO) C373	PC	0	1.00000	.0158	.015
123-270340-60	CERAMIC CAP. 27 PF 50V +-5% (SL-TYPE) C114	PC	0	1.00000	.0107	.010
123-271350-60	CERAMIC CAP. 270 PF 50V +-10% (SL TYPE) C342,343	PC	0	2.00000	.0138	.027
123-330340-60	CERAMIC CAP. 33 PF 50V +-5% (SL TYPE) C366	PC	0	1.00000	.0107	.010
123-331350-60	CERAMIC CAP. 330 PF 50V +-10% (SL TYPE) C341,504,502	PC	0	3.00000	.0153	.046
123-390340-93	CERAMIC CAP. 39PF 50V +-5% (NPO) C630	PC	0	1.00000	.0149	.014
123-391350-60	CERAMIC CAP. 390PF 50V +-10% (SL TYPE) C367	PC	0	1.00000	.0201	.020
123-470340-60	CERAMIC CAP. 47 PF 50V +-5% (SL TYPE) C613	PC	0	1.00000	.0107	.010
123-472350-90	CERAMIC CAP. 0.0047 MFD 50V +-10% (B TYPE) C918,920	PC	0	2.00000	.0173	.034
123-472551-90	CERAMIC CAP. 0.0047 MFD 500V +-10% (B TYPE) MATSUSHITA C432,427,914	PC	0	3.00000	.1173	.351
123-472552-90	CERAMIC CAP. 0.0047 MFD 500V +-10% (B TYPE) SMALL SIZE C904,903,906	PC	0	3.00000	.0595	.178
123-472650-90	CERAMIC CAP. 4700 PF 1 KV C501	PC	0	1.00000	.1192	.119
123-681350-60	CERAMIC CAP. 680 PF 50V +-10% (SL TYPE) C407	PC	0	1.00000	.0394	.039
123-821850-10	CERAMIC CAP. 820 PF 2KV +-10% (SL TYPE) MATSUSHITA C913	PC	0	1.00000	.1550	.155
124-224061-03	TANTALIUM CAP. 0.22 MFD 35V +-10% C603,115	PC	0	2.00000	.0650	.130
125-391120-11	POLYSTYRENE CAP. 390 PF 125V +-5% C149	PC	0	1.00000	.0346	.034

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
126-102071-01	MYLAR CAP. 0.001 MFD 50V +-10% C130,402,426	PC	0	3.00000	.0104	.031
126-103071-01	MYLAR CAP. 0.01 MFD 50V +-10% C413,207,208	PC	0	3.00000	.0115	.034
126-103230-41	METALIZED POLYPROPYLENE CAP. 0.01MFD 2KV +-5% C414	PC	0	1.00000	.3936	.393
126-104071-01	MYLAR CAP. 0.1 MFD 50V +-10% C602,304,305,308,310,324,325,326,133,371	PC	0	10.00000	.0260	.259
126-104071-01	MYLAR CAP. 0.1 MFD 50V +-10% C409,214,216,420,347,355,356,911,333,334	PC	0	10.00000	.0260	.259
126-222071-01	MYLAR CAP. 0.0022 MFD 50V +-10% C610,624	PC	0	2.00000	.0104	.020
126-222161-41	METALIZED POLYPROPYLENE CAP. 0.0022 MFD 1600V +-10% C430	PC	0	1.00000	.2386	.238
126-223071-01	MYLAR CAP. 0.022 MFD 50V +-10% C321,322,323,375,376	PC	0	5.00000	.0135	.067
126-223401-31	POLYPROPYLENE CAP. 0.022MFD 400V +-10% C431,434	PC	0	2.00000	.0987	.197
126-224071-01	MYLAR CAP 0.22 MFD 50V +-10% C140,346,327	PC	0	3.00000	.0462	.138
126-272070-31	POLYPROPYLENE CAP. 0.0027 MFD 50V +-5% C141	PC	0	1.00000	.0697	.069
126-333071-01	MYLAR CAP. 0.033 MFD 50V +-10% C907	PC	0	1.00000	.0142	.014
126-334071-01	MYLAR CAP. 0.33 MFD 50V +-10% C143,145,368,372	PC	0	4.00000	.0613	.245
126-364201-31	POLYPROPYLENE CAP. 0.36 MFD 200V +-10% C412	PC	0	1.00000	.2664	.266
126-472071-01	MYLAR CAP. 0.0047 MFD 50V +-10% C403,405	PC	0	2.00000	.0104	.020
126-473071-01	MYLAR CAP. 0.047 MFD 50V +-10% C134,370	PC	0	2.00000	.0192	.038
126-473211-41	METALLIZED POLYPROPYLENE CAP 0.047 MFD 250V +-10% VDE C902,CN903	PC	0	2.00000	.1538	.307
126-474211-41	METALLIZED POLYPROPYLENE CAP 0.47 MFD 250V +-10% VDE C901	PC	0	1.00000	.4481	.448
126-683071-01	MYLAR CAP. 0.068 MFD 50V +-10% C423	PC	0	1.00000	.0215	.021
127-105071-05	ELECT CAP. 1 MFD 50V +-10% (TIME CONSTANT) C404	PC	0	1.00000	.0567	.056
127-105072-03	ELECT. CAP. 1 MFD 50V +-20% C107,142,350,132	PC	0	4.00000	.0227	.090
127-105132-03	ELECT. CAP. 1 MFD 160V +-20% C425	PC	0	1.00000	.0481	.048
127-106042-03	ELECT. CAP. 10 MFD 16V +-20% C202,627,621,601,615,619,626,622,351	PC	0	9.00000	.0227	.204
127-106042-03	ELECT. CAP. 10 MFD 16V +-20% C203,312,328,329,316,317,315,314,318,338,340	PC	0	11.00000	.0227	.249
127-106072-03	ELECT. CAP. 10 MFD 50V +-20% C909	PC	0	1.00000	.0265	.026

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
127-106102-03	ELECT CAP. 10MFD 100V +-20% NICHICON C908	PC	0	1.00000	.0481	.048
127-107042-03	ELECT. CAP. 100 MFD 16V +-20% C125,119,625,209,210,311,364	PC	0	7.00000	.0346	.242
127-107062-03	ELECT. CAP. 100 MFD 35V +-20% C408,418	PC	0	2.00000	.0519	.103
127-107132-03	ELECT. CAP. 100 MFD 160V +-20% C417,927	PC	0	2.00000	.3231	.646
127-108042-03	ELECT. CAP. 1000 MFD 16V +-20% C213,215	PC	0	2.00000	.1192	.238
127-108052-03	ELECT. CAP. 1000 MFD 25V +-20% C217,201,429,923	PC	0	4.00000	.1442	.576
127-225072-03	ELECT. CAP 2.2 MFD 50V +-20% C113,106,108,111,116	PC	0	5.00000	.0227	.113
127-226042-03	ELECT. CAP. 22 MFD 16V +-20% C609	PC	0	1.00000	.0240	.024
127-226132-03	ELECT CAP. 22MFD 160V +-20% C926	PC	0	1.00000	.1442	.144
127-227042-03	ELECT. CAP. 220 MFD 16V +-20% C320,121,205	PC	0	3.00000	.0404	.121
127-227052-03	ELECT. CAP. 220 MFD 25V +-20% C925	PC	0	1.00000	.0558	.055
127-227062-03	ELECT. CAP. 220 MFD 35V +-20% C410	PC	0	1.00000	.0712	.071
127-227402-03	ELECT CAP. 220 MFD 400V +-20% (ø22MM-26MM) C905	PC	0	1.00000	1.7769	1.776
127-228052-03	ELECT. CAP. 2200 MFD 25V +-20% C428	PC	0	1.00000	.3192	.319
127-335042-03	ELECT. CAP. 3.3 MFD 16V +-20% C127	PC	0	1.00000	.0227	.022
127-336042-03	ELECT. CAP. 33 MFD 16V +-20% C144,921	PC	0	2.00000	.0240	.048
127-336252-03	ELECT CAP. 33 MFD 250V +-20% C424	PC	0	1.00000	.2212	.221
127-338062-03	ELECT CAP. 3300 MFD 35V +-20% C411	PC	0	1.00000	.6731	.673
127-475052-03	ELECT. CAP. 4.7 MFD 25V +-20% C607,608,604,136,337,211,212	PC	0	7.00000	.0227	.158
127-475102-23	ELECT CAP. BIPOLAR 4.7MFD 100V +-20% C419	PC	0	1.00000	.0702	.070
127-476042-03	ELECT. CAP. 47 MFD 16V +-20% C401,204,206,345	PC	0	4.00000	.0288	.115
127-476072-03	ELECT. CAP. 47 MFD 50V +-20% C422	PC	0	1.00000	.0404	.040
127-476072-07	ELECT. CAP. 47 MFD 50V +-20% NICHICON C910	PC	0	1.00000	.0404	.040
127-477042-03	ELECT. CAP. 470 MFD 16V +-20% C146,922,120,313,919,416,421	PC	0	7.00000	.0712	.498
127-478052-03	ELECT. CAP. 4700MFD 25V +-20% C406	PC	0	1.00000	.7500	.750

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
130-134148-01	SILICON DIODE IN4148 D301,302,303,604,305,908	PC	0	6.00000	.0092	.055
130-134148-01	SILICON DIODE IN4148 D602,601,605,606,607,608,609,610,603,304	PC	0	10.00000	.0092	.092
130-240809-50	VERIABLE CAPACITANCE DIODE B8809 D102,101	PC	0	2.00000	.2308	.461
130-310341-00	RECTIFIER DIODE 3TH41 TOSHIBA D402	PC	0	1.00000	.5165	.516
130-310345-00	RECTIFIER DIODE 3JH45 TOSHIBA D403,906	PC	0	2.00000	.3126	.625
130-310406-00	BRIDGE RECTIFIER RBV-406 SANKEN BR901	PC	0	1.00000	.8567	.856
130-311545-60	RECTIFIER DIODE 1R5JH45 D404,907	PC	0	2.00000	.1637	.327
130-314001-01	RECTIFIER DIODE 1N4001 D406	PC	0	1.00000	.0000	.000
130-315295-00	RECTIFIER DIODE S5295G TOSHIBA D902,901,401,405,408,407,905	PC	0	7.00000	.0968	.677
130-410051-01	ZENER DIODE 5.1V 1/2W +-5% ZD102	PC	0	1.00000	.0240	.024
130-410056-01	ZENER DIODE 5.6V ZD306	PC	0	1.00000	.0246	.024
130-410082-01	ZENER DIODE 8.2V ZD903	PC	0	1.00000	.0240	.024
130-410100-01	ZENER DIODE 10V 1/2W ZD401	PC	0	1.00000	.0246	.024
130-410574-00	ZENER DIODE UPC 574J NEC OR KA33V SAMSUNG ZD101	PC	0	1.00000	.1593	.159
130-411091-01	ZENER DIODE 9.1V ZD904	PC	0	1.00000	.0240	.024
130-422120-00	ZENER DIODE 1W 12V ZD402	PC	0	1.00000	.0596	.059
131-210564-18	TRANSISTOR 2SA564AQ Q404	PC	0	1.00000	.0380	.038
131-211015-00	TRANSISTOR 2SA1015 TOSHIBA Q101,102,108	PC	0	3.00000	.0290	.087
131-220774-20	TRANSISTOR 2SB774 MATSUSHITA Q911	PC	0	1.00000	.1382	.138
131-230388-00	TRANSISTOR 2SC388A TOSHIBA Q105	PC	0	1.00000	.1340	.134
131-231815-25	TRANSISTOR 2SC1815 TOSHIBA Q103,104,107,912,910,602,302,301	PC	0	8.00000	.0268	.214
131-231815-25	TRANSISTOR 2SC1815 TOSHIBA Q603,604,605,106,109,304,403,303	PC	0	8.00000	.0268	.214
131-232230-00	TRANSISTOR 2SC2230A-Y TOSHIBA Q905	PC	0	1.00000	.0893	.089
131-232482-00	TRANSISTOR 2SC2482 TOSHIBA Q401	PC	0	1.00000	.0968	.096
131-233619-00	TRANSISTOR 2SC3619 Q501,502,503	PC	0	3.00000	.2382	.714

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
131-233688-00	TRANSISTOR 2SC3688AST W/MICA SHEET SANYO (22MM X 28MM) Q909	PC	0	1.00000	4.1731	4.173
131-241266-00	TRANSISTOR 2SD1266Q MATSUSHITA Q201	PC	0	1.00000	.3985	.398
131-241266-15	TRANSISTOR 2SD1266AQ Q405	PC	0	1.00000	.3985	.398
131-241547-00	TRANSISTOR 2SD1547 TOSHIBA Q402	PC	0	1.00000	1.2652	1.265
131-462369-00	TRANSISTOR PH2369 PHILIPS Q601	PC	0	1.00000	.0731	.073
133-102421-31	I.C. ST24C02AB1 SGS IC602	PC	0	1.00000	.8654	.865
133-103504-33	I.C. TDA3504 PHILIPS IC304	PC	0	1.00000	1.7885	1.788
133-103857-33	IC TDA3857 PHILIPS IC101	PC	0	1.00000	2.8654	2.865
133-104565-33	I.C. TDA4565 PHILIPS IC305	PC	0	1.00000	1.6346	1.634
133-104650-33	I.C. TDA 4650 PHILIPS IC307	PC	0	1.00000	3.1250	3.125
133-104661-33	I.C. TDA 4661 PHILIPS IC IC306	PC	0	1.00000	1.6373	1.637
133-108305-33	IC TDA8305A PHILIPS IC102	PC	0	1.00000	3.8654	3.865
133-108628-14	IC TA8628N TOSHIBA IC303	PC	0	1.00000	1.6373	1.637
133-184640-33	PHILIPS IC PCA 84C640P IC601	PC	0	1.00000	5.6538	5.653
133-203654-33	I.C. TDA3654 (PHILIPS) IC401	PC	0	1.00000	.9673	.967
133-204445-16	I.C. LA4445 SANYO IC201	PC	0	1.00000	.9228	.922
133-207805-31	I.C. L7805CV SGS IC901	PC	0	1.00000	.2977	.297
133-207812-31	IC L7812CV SGS-THOMSON IC103	PC	0	1.00000	.3077	.307
133-304241-33	I.C. PC74HCT241P PHILIPS IC301	PC	0	1.00000	.3077	.307
133-305114-31	I.C. TEA5114A SGS IC302	PC	0	1.00000	.9675	.967
136-500337-00	REMOTE RECEIVER (KODENSHI HC-337M) OPT601	PC	0	1.00000	1.0865	1.086
137-100000-31	CRYSTAL 10 MHZ HOORAY X601	PC	0	1.00000	.3462	.346
137-886723-20	CRYSTAL 8.86 MHZ KDS X302	PC	0	1.00000	.4049	.404
144-061425-18	POWER SWITCH PREH TV5 S612	PC	0	1.00000	1.3033	1.303
146-100002-13	TACT SWITCH KSM0634A HDK S602,603,604,605,601,606,608,609	PC	0	8.00000	.0673	.538

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
146-104016-13	TACT SWITCH 31TM116A UNITRONIC S610,613,611,614	PC	0	4.00000	.0692	.276
160-101001-08	PIN CONNECTOR 1 PIN PLUG STRAIGHT FOR CN501,901,902	PC	0	3.00000	.0203	.060
160-102255-27	PIN CONNECTOR 2 PINS PLUG STRAIGHT (UL) CN601,201	PC	0	2.00000	.0180	.036
160-102805-08	PIN CONNECTOR 2 PIN PLUG STRAIGHT CN903	PC	0	1.00000	.0518	.051
160-103255-27	PIN CONNECTOR 3 PINS PLUG CN202	PC	0	1.00000	.0270	.027
160-103805-08	PIN CONNECTOR 3 PIN PLUG STRAIGHT CN402,904	PC	0	2.00000	.0698	.139
160-104805-08	PIN CONNECTOR 4 PIN PLUG STRAIGHT CN401	PC	0	1.00000	.0743	.074
160-105255-27	PIN CONNECTOR 5 PINS WAFER 2.5 PITCH CN307	PC	0	1.00000	.0450	.045
161-540105-01	CRT SOCKET HPS0199-01-020 (HOSIDEN) 29MM THICK	PC	0	1.00000	.6519	.651
172-120032-40	UL 1007 STANDARD WIRE AWG 20 320 MM BLACK 10 X 10 MM MAIN P.C.B. 'V' TO 'V','W' TO 'W'	PC	0	2.00000	.0235	.047
172-620005-40	UL 1007 TOP COAT WIRE AWG 20 50MM BLACK 5 X 5MM FOR IC401 JUMPER 'M' TO R410 GND	PC	0	1.00000	.0049	.004
172-620010-40	UL 1007 TOP COAT WIRE AWG 20 100MM BLACK 10 X 10 MM MAIN P.C.B. 'Q' TO 'Q'	PC	0	1.00000	.0088	.008
172-620014-43	UL 1007 TOP COAT WIRE AWG 20 140MM ORANGE 10 X 10MM MAIN P.C.B. 'J' TO 'J'	PC	0	1.00000	.0116	.011
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM IC401 LUG TO MAIN PCB 'M','H' TO 'H'	PC	0	2.00000	.0030	.006
172-626008-40	UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM Q909 LUG TO POWER PCB 'Z',Q402 LUG TO MAIN PCB 'K'	PC	0	2.00000	.0030	.006
172-626014-42	UL 1007 TOP COAT WIRE AWG 26 140MM RED 10 X 10 MM FOR CN303 PIN 4 TO R436, MAIN P.C.B. 'Z' TO 'Z'	PC	0	2.00000	.0048	.009
172-626014-42	UL 1007 TOP COAT WIRE AWG 26 140MM RED 10 X 10 MM MAIN P.C.B. 'O' TO 'O'	PC	0	1.00000	.0048	.004
172-626016-43	UL 1007 TOP COAT WIRE AWG 26 160MM ORANGE 10 X 10 MM MAIN P.C.B. 'F' TO 'F'	PC	0	1.00000	.0048	.004
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	.0071	.007
172-626024-41	UL 1007 TOP COAT WIRE AWG 26 240MM BROWN 10 X 10 MM MAIN P.C.B. 'P' TO 'P','I' TO 'I'	PC	0	2.00000	.0067	.013
172-726000-99	BARE WIRE 54MM W001-112,114-119,121-129,131-133,135-136,140-141	M	0	7.40000	.0092	.068
172-726000-99	BARE WIRE 54MM W091-092	M	0	.00000	.0092	.000
174-833026-50	DOUBLE SHIELD WIRE UL 2547 AWG28 260MM BLACK MAIN P.C.B. 'A.B' TO 'A.B'	PC	0	2.00000	.0598	.119
177-655053-02	2 PIN FLAT CABLE WIRE AWG 26 50MM MAIN P.C.B. 'C.D' TO 'C.D'	PC	0	1.00000	.0048	.004
179-001010-00	OIL SLEEVING 1 MM DIA. 40MM FOR R346,20MM FOR ZD402,10MM FOR C907	M	0	.13000	.0001	.000

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
179-001010-00	OIL SLEEVING 1 MM DIA. 20MM FOR D402,20MM FOR D403,20MM FOR D906	M	0	.00000	.0001	.000
179-105000-00	UL PVC TUBE 5MM DIA FOR CN904 WIRE,CN901,902	M	0	.34000	.1865	.063
179-403030-00	3MM DIA. SHRINKABLE TUBE FOR 130MM SOLDERING LUG,70MM FOR AC LINE CORD	PC	0	.20000	.2750	.055
182-224000-03	FUSE T4A 250V F901	PC	0	1.00000	.1027	.102
184-350606-08	AXIAL LEAD BEAD INDUCTORS FBA04HA450NA-00 (STRA. FORMAT) FB401,402	PC	0	2.00000	.0595	.119
190-882004-00	P.C. BOARD CRT (220393)	PC	0	1.00000	.3673	.367
190-882803-07	POWER P.C.B. (070194)	PC	0	1.00000	.7380	.738
190-882804-01	MAIN P.C.B. (071293)	PC	0	1.00000	2.4577	2.457
191-101000-07	1 PIN DOUBLE INSULATION WIRE L=560MM FROM POWER SWITCH '2' TO CN901 ON POWER P.C.B.	PC	0	1.00000	.1322	.132
191-101001-07	1 PIN DOUBLE INSULATION WIRE L=600MM FROM POWER SWITCH '1' TO CN902 ON POWER P.C.B.	PC	0	1.00000	.1381	.138
191-200031-09	2 PIN SOCKET ASS'Y L=80MM FOR CN601 TO POWER SWITCH P.C.B.	PC	0	1.00000	.0369	.036
191-301003-07	3 PINS SOCKET ASS'Y L=450MM CN402 '1' TO CRT P.C.B. 'J'	PC	0	1.00000	.1633	.163
191-301003-07	3 PINS SOCKET ASS'Y L=450MM CN402 '2' TO CRT P.C.B. 'I'	PC	0	.00000	.1633	.000
191-301003-07	3 PINS SOCKET ASS'Y L=450MM CN402 '3' TO CRT P.C.B. 'H'	PC	0	.00000	.1633	.000
191-301006-07	3 PIN SOCKET ASS'Y L=200MM CN904 '1' TO POWER PCB '1','2' TO '2','3' TO '4'	PC	0	1.00000	.1890	.189
191-500048-09	5 PIN SOCKET ASSM'Y CN307 '1' TO CRT BOARD '1','2' TO '2','3' TO '3'	PC	0	1.00000	.1329	.132
191-500048-09	5 PIN SOCKET ASSM'Y '4' TO '4','5' TO '5'	PC	0	.00000	.1329	.000
504-305006-10	MACHINE SCREW 3 X 6 B/M 2-POWER SWITCH MTG.,2-IC201,1-IC901,1-IC103	PC	0	6.00000	.0012	.007
514-400412-10	SELF-TAPPING SCREW 4 X 12 B/T (HARDEN) FOR HEAT SINK (A) TO FBT	PC	0	1.00000	.0040	.004
515-303310-10	SELF-TAPPING SCREW 3 X 10 W/P/A (HARDEN) FOR Q405	PC	0	1.00000	.0029	.002
515-303408-10	SELF-TAPPING SCREW 3 X 8 W/B/T (HARDEN) FOR P/N:781-882807-00,781-882804-04,781-882808-00	PC	0	4.00000	.0033	.013
517-303312-10	SELF-TAPPING SCREW 3 X 12 W/A W/H=7MM (HARDEN) 2 FOR IC401,1 FOR Q402,1 FOR BR901	PC	0	4.00000	.0032	.012
580-101261-01	CABLE TIE L=100MM 2-CN402,2-CN307,16-DEGAUSSING COIL,2-FOR CN401	PC	0	22.00000	.0037	.081
580-101261-01	CABLE TIE L=100MM 1 FOR FBT,1 FOR AC LINE CORD	PC	0	2.00000	.0037	.007
630-114520-00	FIBRE WASHER FOR FBT P/N:001-228079-05		0	1.00000	.0135	.013
746-063101-00	TEST PIN:TOTAL LENGTH 18.6MM THK:0.8MM TP104,103	PC	0	2.00000	.0038	.007

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
750-063101-00	SOLDERING LUG LEG:8X4MM FOR IC401,Q402,Q904	PC	0	3.00000	.0023	.006
750-063102-01	35MM SOLDERING LUG FOR AC LINE CORD, SPK. CONNECTOR		0	6.00000	.0087	.051
766-686801-00	FUSE HOLDER F901		0	2.00000	.0135	.026
779-882801-00	IRON HEAT SINK FOR IC201		0	1.00000	.1462	.146
779-932501-00	IRON HEAT SINK FOR IC901,IC103		0	1.00000	.0538	.053
781-882801-02	ALUMINIUM HEAT SINK (A)(2MM THK.) FOR Q402		0	1.00000	.2904	.290
781-882805-00	ALUMINIUM HEAT SINK FOR Q405		0	1.00000	.1404	.140
781-882807-00	ALUMINIUM HEAT SINK FOR POWER HEAT SINK		0	1.00000	.2269	.226
781-882808-00	HEAT SINK (FOR M.V. P.C.B.) FOR POWER HEAT SINK		0	1.00000	.2846	.284
781-932801-00	ALUMINIUM HEAT SINK (POWER) FOR Q909,BR901		0	1.00000	.8308	.830
781-932802-00	ALUMINIUM HEAT SINK FOR POWER HEAT SINK		0	1.00000	.2462	.246
781-932902-01	ALUMINIUM HEAT SINK (B) FOR IC401		0	1.00000	.5192	.519
783-881306-01	SHIELD CAN COVER		0	1.00000	.0769	.076
783-881313-00	SHIELD CAN		0	1.00000	.1288	.128

ASSB PRICE : 91.132

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Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 158-932874-ET-01 NON-COMMON PART FOR CHASSIS ASS'Y (BG)						
003-131424-02	TUNER OSCAR UVE33-W24/R16-3649MITSUMI TUNER	PC	0	1.00000	9.9727	9.972
012-103340-06	SEMI-FIXED RESISTOR EVND8AA 03B14 10KB VR002	PC	0	1.00000	.0529	.052
012-501340-06	SEMI-FIXED RESISTOR EVND 8AA 03B52 500B UR001,003	PC	0	2.00000	.0529	.105
012-502340-06	SEMI-FIXED RESISTOR EVND8AA 03B53 5KB VR404	PC	0	1.00000	.0529	.052
102-671300-02	SOUND IF COIL. COILS 710256 T102	PC	0	1.00000	.1000	.100
102-870500-02	DOSC COIL. COILS 707534 T303	PC	0	1.00000	.0865	.086
102-871400-20	OSC COIL TWD710229 T001	PC	0	1.00000	.1265	.126
105-150101-02	FIXED INDUCTIVE COIL 15UH 10X L104	PC	0	1.00000	.0458	.045
105-153106-02	CHOKE COIL 15MH 10X CW-710228-153K L001	PC	0	1.00000	.0769	.076
105-560101-02	FIXED INDUCTOR COIL 56UH +-10XCW-560K-455-705111 L002	PC	0	1.00000	.0458	.045
107-105500-66	SOUND TRAP CERAMIC FILTER 5.5MHZ TPS-5.5MB MURATA CF103	PC	0	1.00000	.1465	.146
107-305500-16	SOUND BYPASS CERAMIC FILTER 5.5MHZ SFE-5.5MB MURATA CF102	PC	0	1.00000	.1465	.146
107-305740-16	SOUND BYPASS CERAMIC FILTER 5.74MHZ SFE-5.74MC MURATA CF101	PC	0	1.00000	.3600	.360
107-731500-00	SAW FILTER TSB-5308U (SANYO) SA102	PC	0	1.00000	1.3322	1.332
107-738916-00	SAW FILTER TSF-5316 SANYO SA101	PC	0	1.00000	1.2487	1.248
111-103201-23	VERIABLE RESISTOR 10K (EVU-E2A20B14 MATSUSHITA) VR302	PC	0	1.00000	.2115	.211
113-100105-17	CARBON FILM RESISTOR 10 OHM 1/4W +-5% R134	PC	0	1.00000	.0028	.002
113-101105-17	CARBON FILM RESISTOR 100 OHM 1/4W +-5% R005	PC	0	1.00000	.0033	.003
113-102105-17	CARBON FILM RESISTOR 1K OHM 1/4W +-5% R007,008,157	PC	0	3.00000	.0033	.009
113-103105-17	CARBON FILM RESISTOR 10K OHM 1/4W +-5% R006,010,012,014,376,373,374,439	PC	0	8.00000	.0030	.023
113-123105-17	CARBON FILM RESISTOR 12K OHM 1/4W +-5% R001	PC	0	1.00000	.0033	.003
113-150105-17	CARBON FILM RESISTOR 15 OHM 1/4W +-5% R102	PC	0	1.00000	.0028	.002
113-153105-17	CARBON FILM RESISTOR 15K OHM 1/4W +-5% R016,017,116,610,372	PC	0	5.00000	.0030	.014
113-183105-17	CARBON FILM RESISTOR 18K OHM 1/4W +-5% R438	PC	0	1.00000	.0033	.003

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

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DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTTEXT SONY GREY 240V 3AA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
113-222105-17	CARBON FILM RESISTOR 2.2K OHM 1/4W +-5% R013,015	PC	0	2.00000	.0033	.006
113-223101-67	METAL FILM RESISTOR 22K OHM 1/4W +-1% R606	PC	0	1.00000	.0092	.009
113-223105-17	CARBON FILM RESISTOR 22K OHM 1/4W +-5% R002	PC	0	1.00000	.0033	.003
113-224105-17	CARBON FILM RESISTOR 220K OHM 1/4W +-5% R004,009	PC	0	2.00000	.0028	.005
113-331105-17	CARBON FILM RESISTOR 330 OHM 1/4W +-5% R368	PC	0	1.00000	.0033	.003
113-332105-17	CARBON FILM RESISTOR 3.3K OHM 1/4W +-5% R370	PC	0	1.00000	.0028	.002
113-471105-17	CARBON FILM RESISTOR 470 OHM 1/4W +-5% R121,122,124	PC	0	3.00000	.0028	.008
113-472005-17	CARBON FILM RESISTOR 4.7K OHM 1/16W +-5% R011	PC	0	1.00000	.0035	.003
113-472105-17	CARBON FILM RESISTOR 4.7K OHM 1/4W +-5% R345,348,371	PC	0	3.00000	.0033	.009
113-562105-17	CARBON FILM RESISTOR 5.6K OHM 1/4W +-5% R362,W002	PC	0	3.00000	.0033	.009
113-563105-17	CARBON FILM RESISTOR 56K OHM 1/4W +-5% R003	PC	0	1.00000	.0028	.002
113-829605-77	METAL OXIDE FILM RESISTOR 8.2 OHM 5W +-5% R436	PC	0	1.00000	.1154	.115
123-102350-90	CERAMIC CAP. 0.001 MFD 50V +-10% (B TYPE) C103,110,148,381	PC	0	4.00000	.0127	.050
123-103370-90	CERAMIC CAP. 0.01 MFD 50V +80 -20% C016,017,009,339,319	PC	0	5.00000	.0128	.064
123-209340-93	CERAMIC CAP. 2PF 50V +-5% (NPO) C378	PC	0	1.00000	.0144	.014
123-221350-60	CERAMIC CAP. 220 PF 50V +-10% (SL TYPE) C377	PC	0	1.00000	.0137	.013
123-222466-41	CERAMIC CAP. 0.0022 MFD 400V +-20% ECK-DNS222MEX MATSUSHITA C917	PC	0	1.00000	.2058	.205
123-223370-90	CERAMIC CAP. 0.022 MFD 50V +80-20% C002	PC	0	1.00000	.0128	.012
123-471350-60	CERAMIC CAP. 470 PF 50V +-10% (SL TYPE) C023,024	PC	0	2.00000	.0201	.040
123-680340-60	CERAMIC CAP. 68 PF 50V +-5% (SL TYPE) C380	PC	0	1.00000	.0107	.010
125-361120-11	POLYSTYRENE CAP. 360PF 125V +-5% C150	PC	0	1.00000	.0346	.034
126-102071-01	MYLAR CAP. 0.001 MFD 50V +-10% C015	PC	0	1.00000	.0104	.010
126-104071-01	MYLAR CAP. 0.1 MFD 50V +-10% C004,012	PC	0	2.00000	.0260	.052
126-224071-01	MYLAR CAP 0.22 MFD 50V +-10% C006,007	PC	0	2.00000	.0462	.092
126-473071-01	MYLAR CAP. 0.047 MFD 50V +-10% C010	PC	0	1.00000	.0192	.019

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

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PRODUCT CODE : 932874-ET0004-GT
DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTTEXT SONY GREY 240V SAA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
126-474071-01	MYLAR CAP. 0.47 MFD 50V +-10% C014	PC	0	1.00000	.0788	.078
126-562071-01	MYLAR CAP. 0.0056 MFD 50V +-10% C020	PC	0	1.00000	.0125	.012
127-105072-03	ELECT. CAP. 1 MFD 50V +-20% W002	PC	0	1.00000	.0227	.022
127-106042-03	ELECT. CAP. 10 MFD 16V +-20% C011	PC	0	1.00000	.0227	.022
127-106042-23	ELECT.CAP. BIPOLAR 10MFD 16V +-20% C018,019	PC	0	2.00000	.0635	.126
127-107042-03	ELECT. CAP. 100 MFD 16V +-20% C003	PC	0	1.00000	.0346	.034
127-336042-23	ELECT. CAP. BIPOLAR 33 MFD 16V+-20% W113	PC	0	1.00000	.0692	.069
127-474072-03	ELECT. CAP. 0.47 MFD 50V +-20% C013	PC	0	1.00000	.0227	.022
127-475052-03	ELECT. CAP. 4.7 MFD 25V +-20% C001,021,022	PC	0	3.00000	.0227	.068
127-476042-03	ELECT. CAP. 47 MFD 16V +-20% C005	PC	0	1.00000	.0288	.028
127-477042-03	ELECT. CAP. 470 MFD 16V +-20% C008	PC	0	1.00000	.0712	.071
130-134148-01	SILICON DIODE IN4148 D311,312,313	PC	0	3.00000	.0092	.027
130-410120-02	ZENER DIODE 12V HZ12A2 ZD307		0	1.00000	.0246	.024
130-512044-00	LED 3MM RED 204HDC LED601,602,603	PC	0	3.00000	.0298	.089
131-231815-25	TRANSISTOR 2SC1815 TOSHIBA Q406,305,306,307	PC	0	4.00000	.0268	.107
133-203803-33	IC TDA3803A PHILIPS IC001	PC	0	1.00000	3.2692	3.269
133-304052-14	IC TC4052BP TOSHIBA IC002	PC	0	1.00000	.2977	.297
137-715909-20	CRYSTAL 7.15909 MHZ X301	PC	0	1.00000	.4197	.419
160-103255-27	PIN CONNECTOR 3 PINS PLUG CN002,003,004,304,305,306	PC	0	6.00000	.0270	.162
160-104255-27	PIN CONNECTOR 4 PINS PLUG CN001,303,603	PC	0	3.00000	.0308	.092
161-683702-22	21 PIN SOCKET J901	PC	0	1.00000	.4038	.403
171-550084-02	84" AC LINE CORD (END-CUT)SAA APPW/7.5A PLUG.	PC	0	1.00000	.6154	.615
172-626014-43	UL 1007 TOP COAT WIRE AWG 26 140MM ORANGE 10 X 10 MM MAIN P.C.B. 'S' TO 'S', 'T' TO 'T', 'U' TO 'U'	PC	0	3.00000	.0035	.010
172-626018-43	UL 1007 TOP COAT WIRE AWG 26 180MM ORANGE 10 X 10 MM MAIN P.C.B. 'R' TO 'R', 'L' TO 'L'	PC	0	2.00000	.0059	.011
172-626020-42	UL 1007 TOP COAT WIRE AWG 26 200MM RED 10 X 10 MM IC001 18 PIN TO IC601 25 PIN	PC	0	1.00000	.0048	.004

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

Print Date : 23/12/94 PRODUCT CODE : 932874-ET0004-GT
 Page Number : 21 DESCRIPTION : TEAC PAL/BG W/SCART/HTSC/G.STEREO/FASTEXT SONY GREY 240V SAA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 159-932874-ET-00 COMMON PART FOR CASING ASS'Y (BG)						
008-900291-04	DEGAUSSING COIL 90T (W/FIVE LAYERS OF TAPE) FOR 29" L903	PC	0	1.00000	5.1842	5.184
166-265027-48	SPEAKER 4 X 2-3/4" 16 OHM 5W C1073 OFC	PC	0	2.00000	1.7692	3.538
172-830120-99	FLAT BRIDED WIRE CRT GROUND	PC	0	2.60000	.1365	.355
179-105000-00	UL PVC TUBE 5MM DIA 500MM FOR LEFT SPK.,700MM FOR RIGHT SPK.	M	0	1.20000	.1865	.223
191-101007-07	1 PIN SOCKET ASS'Y L=350MM FOR CN501 TO CRT GND	PC	0	1.00000	.0968	.096
191-201004-07	2 PINS SOCKET ASS'Y L=500MM CN202 '2' TO LEFT SPK. '+', '3' TO LEFT SPK. '-'	PC	0	1.00000	.0602	.060
191-201006-07	2 PINS SOCKET ASS'Y L=700MM CN201 '1' TO RIGHT SPK. '+', '2' TO RIGHT '-'	PC	0	1.00000	.0644	.064
509-305010-00	MACHINE SCREW 3 X 10 KM BLACK JACK PLATE MTG.	PC	0	2.00000	.0023	.004
514-400425-10	SELF-TAPPING SCREW 4 X 25 B/T (HARDEN) 11 FOR CAB. MTG.	PC	0	11.00000	.0094	.103
515-303408-10	SELF-TAPPING SCREW 3 X 8 W/B/T (HARDEN) 8 FOR SPEAKER MTG.,4 FOR POWER BOARD MTG.	PC	0	12.00000	.0033	.039
515-303410-10	SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN) 11-MAIN PCB,2-PUSH BUTTOM,1-GEAR HOLDER,2-SPK.WIRE	PC	0	16.00000	.0035	.055
515-306412-10	SELF-TAPPING SCREW 3 X 12 W/B/T (HARDEN) FOR LED HOLDER TO MAIN P.C.B.	PC	0	1.00000	.0073	.007
524-932901-01	CRT MOUNTING SCREW 7 X 40 VP (HARDEN)	PC	0	4.00000	.0769	.307
580-101261-01	CABLE TIE L=100MM FOR SPK. CN201,CN202	PC	0	1.00000	.0037	.003
622-862802-00	FELT L240 X W17 X TO.5MM W/TAPE FOR REAR CAB.		0	7.00000	.0692	.484
744-881301-00	SPRING FOR C.R.T. MOUNTING 5.2 X 42 X 0.6MM		0	2.00000	.0481	.096
777-892001-00	SPRING IN ø7.0 X L22 FOR POWER KNOB		0	1.00000	.0058	.005
834-230801-00	RUBBER WASHER OD=23 , ID=8 , T=1.0 FOR CRT MTG.		0	4.00000	.0192	.076
840-011024-21	PAD CORD L240 X W10 X T1 MM W/TAPE FOR BETWEEN CRT AND FRONT CAB.		0	8.00000	.0423	.338
920-882803-01	MTG. BRACKET		0	1.00000	.9102	.910
948-882003-00	DOOR LOCKER		0	1.00000	.1923	.192
954-882100-00	AC LINE CORD CLIP		0	1.00000	.0231	.023
954-882801-00	STUD POST FRONT CAB.		0	8.00000	.0173	.138
954-882803-00	HIGH VOLTAGE CABLE SPACER FOR CRT		0	2.00000	.0573	.114
954-932901-00	CRT MOUNTING INSERT (HIGH = 22MM)		0	4.00000	.0412	.164
977-882801-01	PUSH BUTTON - BLACK MOULDED		0	1.00000	.0504	.050
988-033801-00	GEAR (BLACK MOULDED)	PC	0	1.00000	.0131	.013
989-882801-00	GEAR HOLDER		0	1.00000	.0169	.016

ASSB PRICE : 12.669

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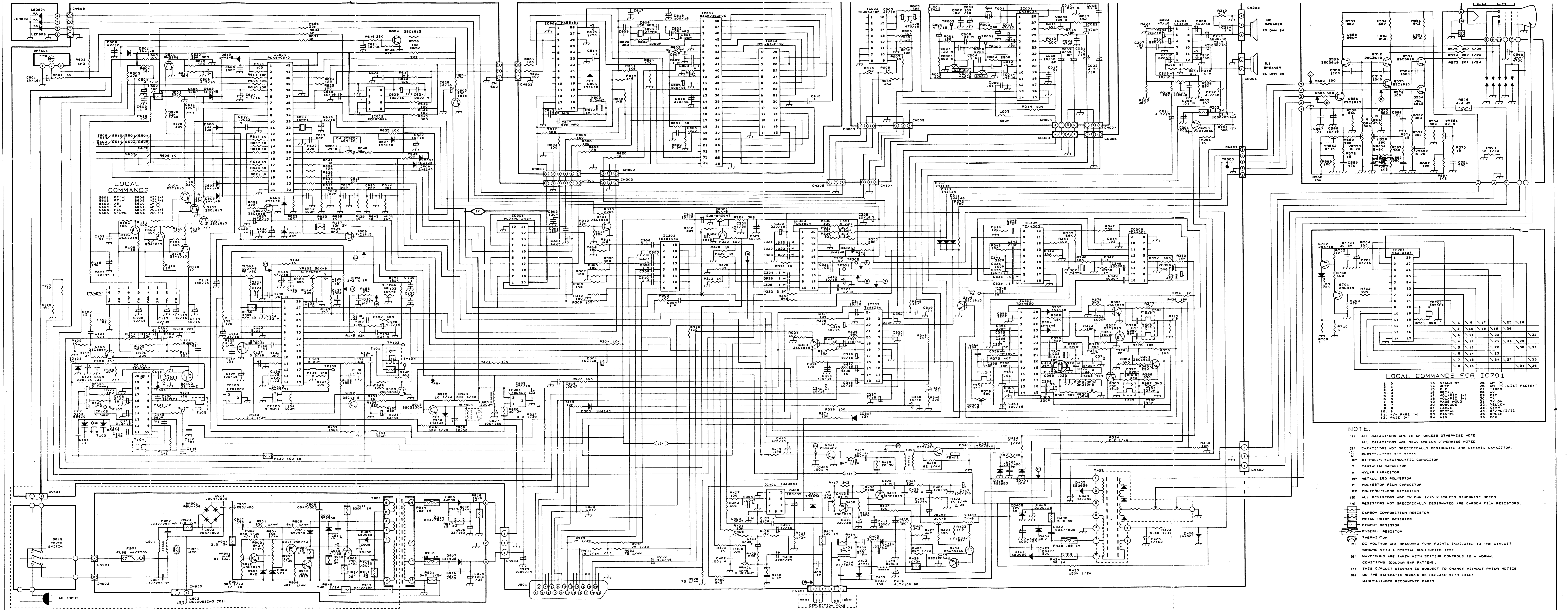
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PRODUCT CODE : 932874-ET0004-GT
DESCRIPTION : TEAC PAL/BG W/SCART/NTSC/G.STEREO/FASTEXT SONY GREY 240V SAA

Component Part	Description / Location	Unit	Subs	Quantity Required	Unit Price	Amount
*** ASSEMBLY : 159-932874-ET-05 NON-COM PART FOR CASING ASS'Y(SONY GREY)						
002-128003-44	CRT 28" #A66JMZ42X03 S/H TOSHIBA	PC	0	1.00000	229.2231	229.223
186-227503-14	BATTERY 3A PACKED IN GIFT BOX	PC	0	2.00000	.0635	.126
191-401005-07	4 PIN SOCKET ASS'Y L=450MM FOR CRT	PC	0	1.00000	.2613	.261
669-882801-10	RATING LABEL - TEAC (A) DESIGN(240V)		0	1.00000	.0481	.048
703-932801-00	SPEAKER GRILLE (LEFT) - BLACK DOUBEL SIDE W/SPRAY {NEW}		0	1.00000	2.1538	2.153
703-932802-00	SPEAKER GRILLE (RIGHT) - BLACK DOUBEL SIDE W/SPRAY {NEW}		0	1.00000	2.1538	2.153
840-051030-11	RUBBER PAD (ONE SIDE W/TAPE) FOR CRT MTG.		0	6.00000	.0077	.046
884-882020-02	JACK COVER-TEAC DESIGN WHI SS.W/21 PIN SOCKET HOLE		0	1.00000	.1577	.157
884-882806-01	PRESET PLATE - BLACK W/L.GREY S.S. ENG STD (14 KEY HOLES)		0	1.00000	.1250	.125
900-932803-07	FRONT CABINET- 426U GREY SPRAY		0	1.00000	8.1769	8.176
902-882802-05	BACK CABINET -MATT BLACK SPRAY		0	1.00000	7.9135	7.913
917-932802-04	REMOTE LENS - TEAC DESIGN (DUAL STEREO I/II)	PC	0	1.00000	.2350	.235
919-932801-01	PRESET DOOR - TEAC (A) DESIGN (SONY GREY)		0	1.00000	.2394	.239
980-882014-01	JACK PLATE W/SCART/BRASS INSERT (521-882001-00 2 PCS./SET)		0	1.00000	.1673	.167
986-882801-09	NAME PLATE - TEAC DESIGN		0	1.00000	.0192	.019
991-932801-01	POWER KNOB - BLACK MOULDED		0	1.00000	.0510	.051

NOT SAME AS 515 S

ASSB PRICE : 251.098



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2	MUTE	30	CH 12
3	TIME	31	LIST FASTEST
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