

TEAC[®]

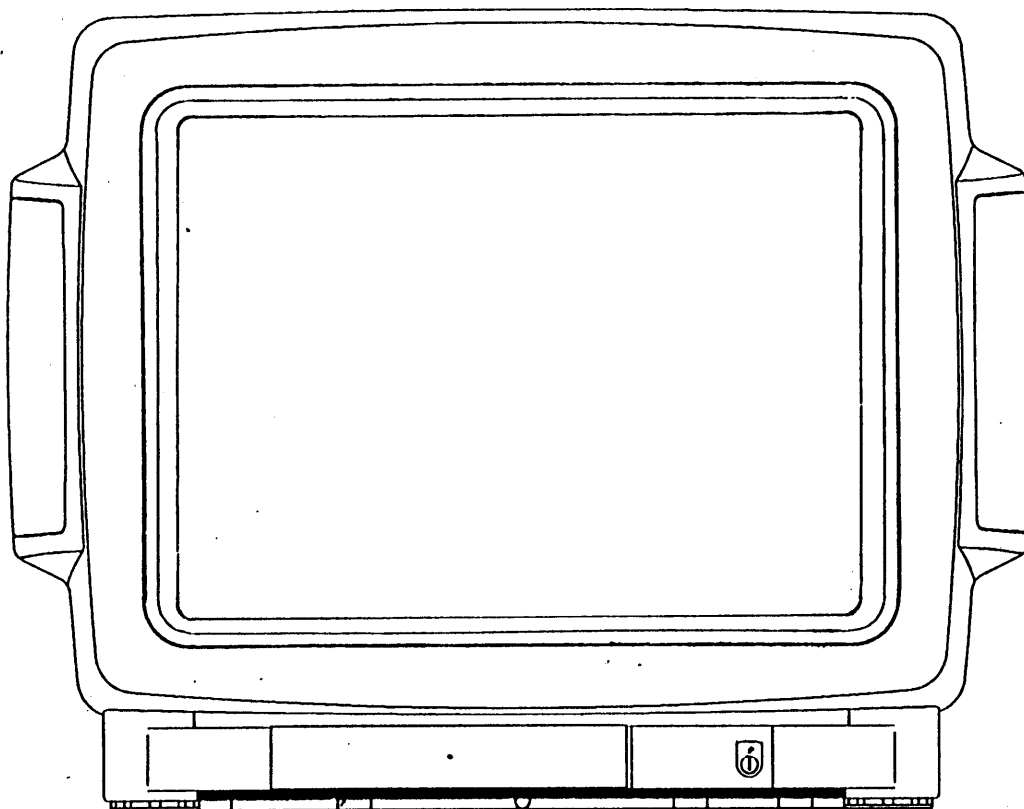
SERVICE MANUAL

CTM516ST

51 cm CTV

SERVICE MANUAL

SOLID STATE
21" COLOR TELEVISION
RECEIVER



MODEL : GT-9221

PAL-BG +FASTEXT GERMAN STEREO

SPECIFICATION

| | | | |
|--------------------------|---|---|-------|
| SYSTEM | : | PAL- B/G | |
| ----- TV SECTION ----- | | | |
| CHANNEL COVERAGE VHF LOW | : | 2-4 | CH. |
| VHF HIGH | : | 5-12 | CH. |
| UHF | : | 21-69 | CH. |
| FREQUENCY RANGE VHF LOW | : | 47-68 | MHz |
| VHF HIGH | : | 174-230 | MHz |
| UHF | : | 470-862 | MHz |
| VISION/SOUND SEPARATION | : | 5.5 | MHz |
| FREQUENCY VIDEO IF | : | 38.9 | MHz |
| SOUND IF | : | 33.4 | MHz |
| VIDEO SENSITIVITY | : | 45 | 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 | : | 2000 | mW |
| 10% THD | : | 1500 | mW |
| SCREEN SIZE | : | 21" DIAGONAL, 90 DEGREES DEFLECTION ANGLE | |
| SPEAKER | : | 4" 16OHM 3W x 2 | |
| ANTENNA EXTERNAL | : | 75 | OHM |
| POWER CONSUMPTION | : | | |

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 c917 (+) and Ground.
- (iv) Connect sweep generator to tuner test point and Ground.

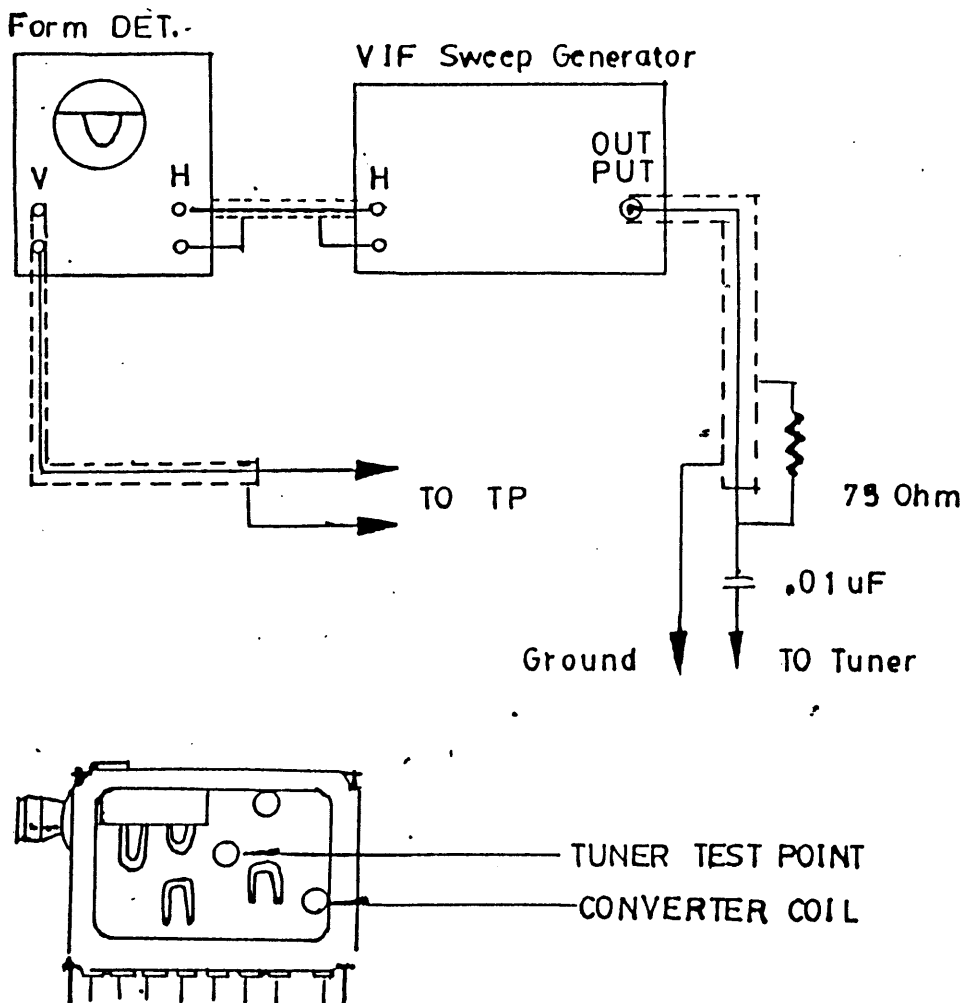


Fig.1

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

- (i) Calibrate the Division of waveform Detector equal to 1V per div.
- (ii) The output of sweep generator should be -50dB.
- (iii) Connect the waveform detector between TP106 and ground.
- (iv) Connect a 47K Resistor between pin 7 to pin 22 at IC102.
- (v) Connect a 4K7 Resistor between pin 23 to Ground at IC102.
- (vi) Adjust AGC bias until the waveform just saturate.
- (vii) Adjust T101 to obtain the waveform as Fig.2.

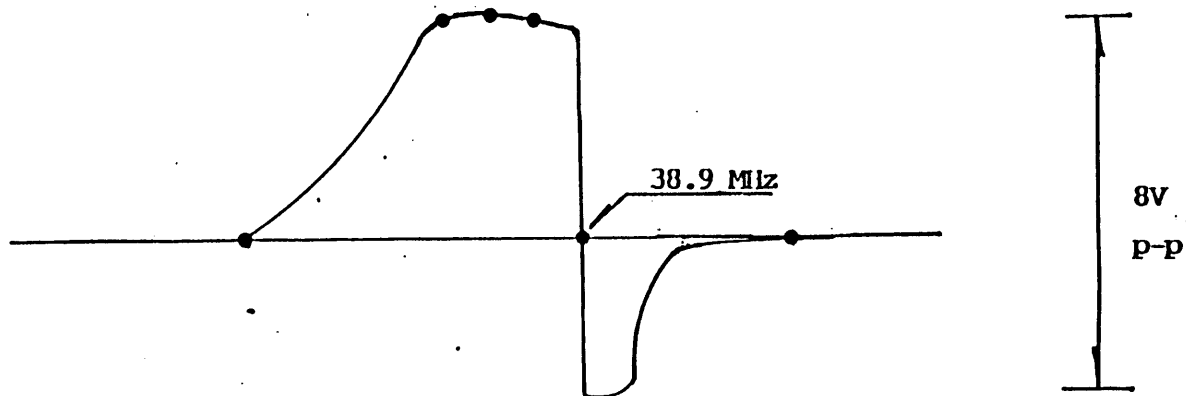


Fig. 2

(C) VIF ALIGNMENT

- (1) Connect waveform detector to TP102 and Ground.
- (ii) Connect 100 ohm resistor between TP103 and TP104.
- (iii) Reduce output level of sweep generator to -50dB.
- (iv) Adjust AGC bias to maintain the waveform achieve 1V p-p.
- (V) Adjust tuner convertor coil to obtain the waveform as Fig.3.

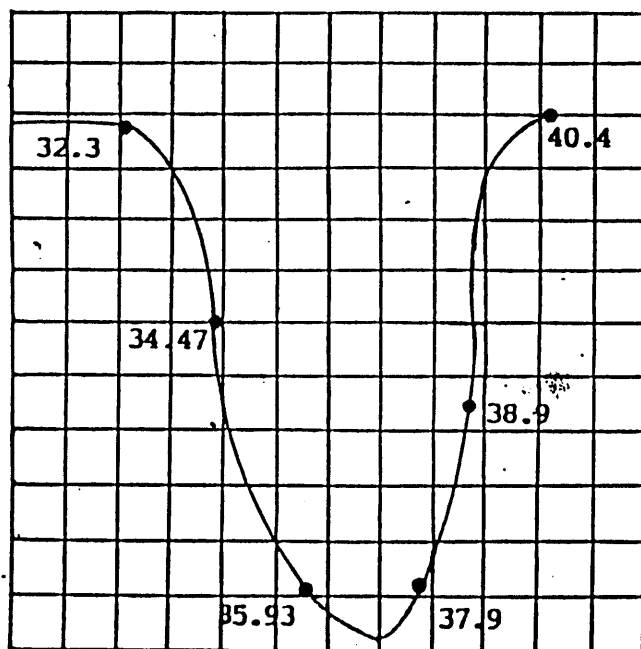


Fig. 3 .

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 2.8V.

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.

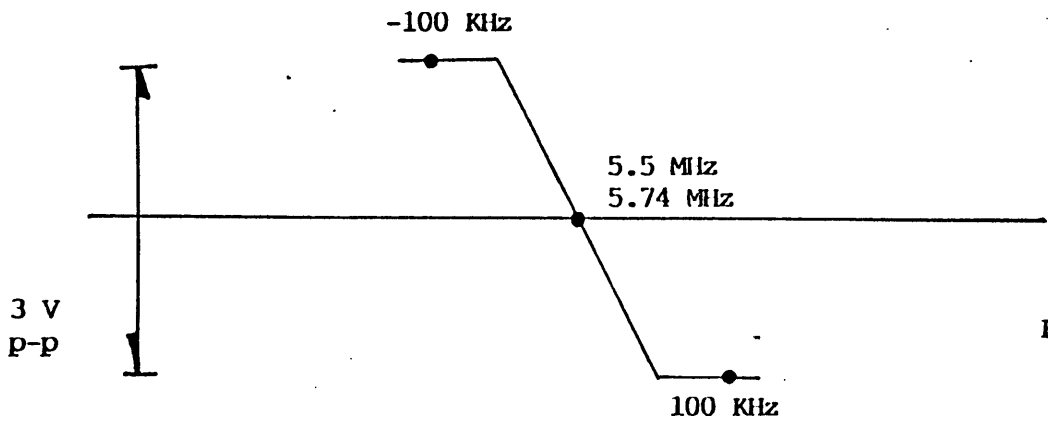


Fig. 5

G. STEREO and Dual Sound Alignment

- (1) Receive color bar pattern (with stereo and Dual Sound).
- (2) Connect oscilloscope to TP001 and TP002.
- (3) Adjust T001, VR001 and VR003 to obtain a maximum amplitude as Fig.6 & Fig. 7.

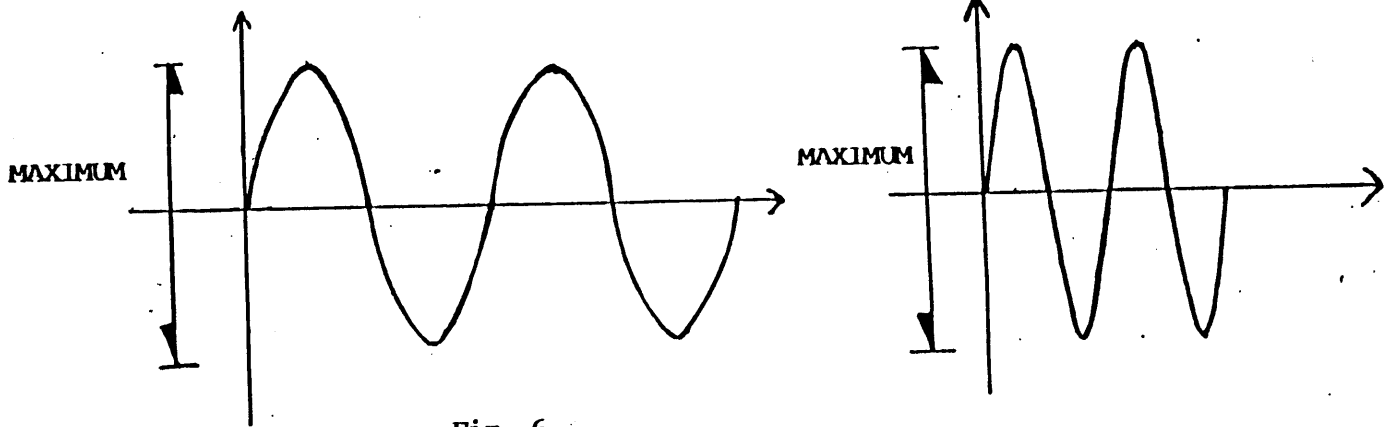


Fig. 6

II. 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 $0.89 \cdot V_{rms}$.
- (4) Switch off the left channel signal (3 KHz) from the signal generator.
- (5) Adjust VR002 to make a minimum output level.

PAL COLOUR ALIGNMENT

- (1) Receive Philips Pattern.
- (2) Connect Oscilloscope to TP305.
- (3) Set color control to maximum position.
- (4) Adjust T301, CT301 and VR302 to obtain the waveform as Fig.6.

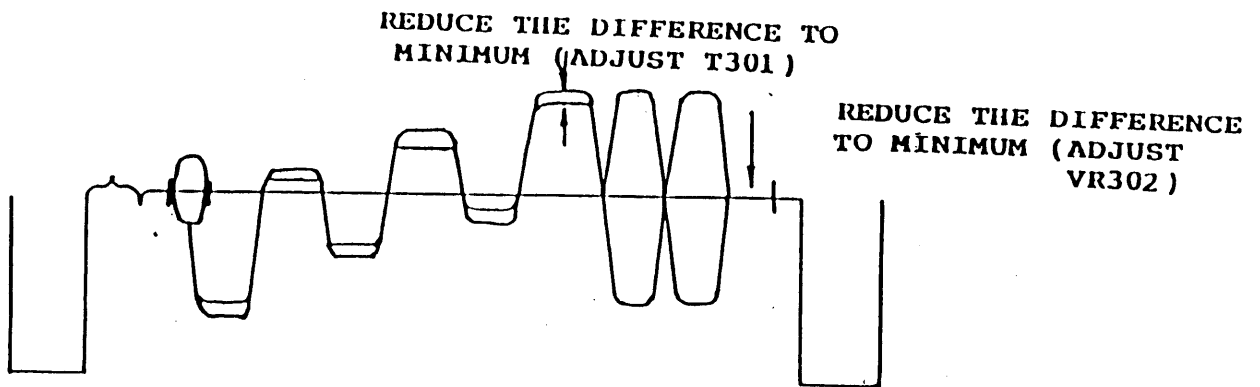


Fig.6

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 112v.

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) Turn the brightness, contrast and picture control to minimum value.
- 2) Turn VR501,502,504 to middle position. Turn VR503,505 to middle position.
- 3) Turn VR301 to middle position.
- 4) Receive a black and white pattern.
- 5) Connect a digital meter between G2 and Ground on CRT Board.
- 6) Adjust screen volume on FB1 to obtain a 310V.
- 7) Adjust VR502,503,504,505 to obtain a uniformly white picture (9300°K)

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 screen.

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.

VOLTAGE TABLE FOR IC

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

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

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

VOLTAGE TABLE FOR IC

| SYMBOL PIN NO. | IC701 (V) | IC602 (V) | IC101 (V) | IC103 (V) | IC802 (V) |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| 1 | 3.0 | GND | 1.8 | 15.5 | NC |
| 2 | 3 | 5 | 2.1 | GND | 4.2 |
| 3 | 0 | GND | 2.6 | 11.9 | 2.2 |
| 4 | NC | GND | 1.8 | | 2.2 |
| 5 | NC | 2.9 | 1.8 | | 3.8 |
| 6 | NC | 3.3 | 2.1 | | 1.3 |
| 7 | 0 | 5 | 2.1 | | 1.2 |
| 8 | NC | 5 | 1.8 | | 3.6 |
| 9 | 0 | | 1.8 | | 3.6 |
| 10 | 0 | | 4.0 | | 3.7 |
| 11 | 0 | | 4.0 | | 0 |
| 12 | 0 | | 3.0 | | 0.3 |
| 13 | 0 | | 0.04 | | 4.2 |
| 14 | GND | | 1.65 | | GND |
| 15 | 0 | | 1.76 | | 0.6 |
| 16 | 0 | | 3.0 | | 0.5 |
| 17 | 0 | | 0.03 | | 0.5 |
| 18 | 0 | | GND | | 0.3 |
| 19 | 0 | | 5 | | 0.5 |
| 20 | 0 | | 1.78 | | GND |
| 21 | 3.0 | | | | 4.2 |
| 22 | 3.0 | | | | 2.5 |
| 23 | 3.0 | | | | 0.8 |
| 24 | NC | | | | 0.8 |
| 25 | 3.0 | | | | 0.8 |
| 26 | 3.0 | | | | 5.0 |
| 27 | 3.0 | | | | 5.0 |
| 28 | 3 | | | | 5.0 |

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VOLTAGE TABLE FOR IC

| SYMBOL PIN NO. | IC601 (V) | IC102 (V) | IC302 (V) | IC304 (V) | IC301 (V) |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| 1 | 4.33 | 5.4 | 3.6 | 3.4 | 0.09 |
| 2 | 0.82 | 2.9 | GND | 11.2 | 0 |
| 3 | 4.85 | 2.8 | 3.6 | 8.4 | 0 |
| 4 | 4.85 | 3.5 | 3.6 | 8.3 | 0 |
| 5 | 4.85 | 3.2 | 3.6 | 8.2 | 0 |
| 6 | NC | GND | 3.6 | 0.86 | 0 |
| 7 | 0.04 | 11.6 | 3.6 | 0.1 | 0 |
| 8 | 0.02 | 5.6 | 0.01 | 4.1 | 0 |
| 9 | 2.5 | 5.6 | 0.14 | 4.1 | 0 |
| 10 | 4.1 | 2.4 | 0.02 | 4.1 | GND |
| 11 | GND | 1.85 | 3 | 2.7 | 0.1 |
| 12 | 4.5 | NC | 0.02 | 3.1 | 0 |
| 13 | 5 | 3 | 3 | NC | 0.1 |
| 14 | 5 | 1.5 | 11.2 | 3.9 | 0 |
| 15 | 5 | NC | 0.02 | 3.9 | 0.1 |
| 16 | 5 | GND | 3.0 | 2.6 | 0 |
| 17 | 5 | 3.5 | | 1.9 | 0.09 |
| 18 | 0.1 | 5.0 | | GND | 0 |
| 19 | 5 | 6.6 | | 3.4 | 0.09 |
| 20 | 5 | 5.6 | | 3.4 | 5 |
| 21 | GND | 5,6 | | | |
| 22 | 0 | 9.5 | | | |
| 23 | 0 | 2.8 | | | |
| 24 | 0 | 2.8 | | | |
| 25 | 0 | 4.6 | | | |
| 26 | 0.4 | 0.8 | | | |
| 27 | -0.02 | 0.8 | | | |
| 28 | 5 | 3.3 | | | |
| 29 | 4.6 | | | | |
| 30 | GND | | | | |
| 31 | 2.4 | | | | |
| 32 | 2.4 | | | | |
| 33 | 5 | | | | |
| 34 | 0.6 | | | | |
| 35 | 4.9 | | | | |
| 36 | 4.9 | | | | |
| 37 | 0.02 | | | | |
| 38 | GND | | | | |
| 39 | 3.3 | | | | |
| 40 | 2.8 | | | | |
| 41 | 0.25 | | | | |
| 42 | 5 | | | | |

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VOLTAGE TABLE FOR IC

| SYMBOL PIN NO. | IC305 (V) | IC303 (V) | IC901 (V) | IC401 (V) | IC201 (V) |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| 1 | 7.4 | 5.1 | 10.6 | 1.2 | 1.2 |
| 2 | 7.4 | 0 | GND | GND | 0.01 |
| 3 | GND | 3.8 | 5 | 1.3 | GND |
| 4 | 2.2 | 0 | | GND | 15.3 |
| 5 | 2.3 | 3.9 | | 12.6 | 0.01 |
| 6 | 8.0 | 3.5 | | 25 | 1.2 |
| 7 | 11.4 | GND | | NC | 14.2 |
| 8 | 5.6 | GND | | 5.7 | 7.9 |
| 9 | 3.2 | 3.3 | | 24.6 | 15.2 |
| 10 | 7.8 | 3.8 | | | 8.0 |
| 11 | 2.9 | 0.8 | | | 14.2 |
| 12 | 7.6 | 5.1 | | | GND |
| 13 | 2.1 | 5.1 | | | |
| 14 | 7.1 | NC | | | |
| 15 | 0.9 | 4.4 | | | |
| 16 | NC | 9.8 | | | |
| 17 | | 3.4 | | | |
| 18 | | 9.5 | | | |
| 19 | | NC | | | |
| 20 | | 3.1 | | | |
| 21 | | NC | | | |
| 22 | | 4.4 | | | |
| 23 | | GND | | | |
| 24 | | 5.1 | | | |

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VOLTAGE TABLE FOR IC

| SYMBOL PIN NO. | IC005 (V) | IC006 (V) | IC007,008 (V) | IC009 (V) | IC010 (V) |
|-------------------|--------------|--------------|------------------|--------------|--------------|
| 1 | 2.1 | 2.0 | 5.2 | 2.6 | 5.2 |
| 2 | 0.78 | GND | 1.4 | 2.6 | NC |
| 3 | 0.61 | 2.3 | 1.4 | 2.6 | NC |
| 4 | 0.61 | 5.3 | GND | GND | 5.2 |
| 5 | 0.61 | 3.9 | 5.2 | 5.2 | GND |
| 6 | GND | 4.0 | 5.2 | 1.4 | 5.2 |
| 7 | GND | 4.0 | 5.2 | 1.4 | GND |
| 8 | GND | 3.9 | 11.4 | 1.4 | 2.6 |
| 9 | 3.1 | 1.2 | | | 2.6 |
| 10 | 7.1 | 2.1 | | | 2.6 |
| 11 | 0.61 | 4.2 | | | GND |
| 12 | 2.1 | 5.3 | | | GND |
| 13 | 0.78 | 4.2 | | | 5.2 |
| 14 | 0.78 | GND | | | GND |
| 15 | 0.78 | 2.3 | | | 4.8 |
| 16 | 11.3 | 2.6 | | | 2.3 |
| 17 | | NC | | | 2.2 |
| 18 | | NC | | | 5.2 |
| 19 | | GND | | | 2.6 |
| 20 | | 3.3 | | | NC |
| 21 | | | | | 2.3 |
| 22 | | | | | NC |
| 23 | | | | | 5.2 |
| 24 | | | | | NC |
| 25 | | | | | GND |
| 26 | | | | | NC |
| 27 | | | | | 0.03 |
| 28 | | | | | 5.2 |

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- SIGNAL PATTERN : Colour Bar

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

NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

CONTRAST : Maximum Position

BRIGHTNESS : Maximum Position

COLOR : Maximum Position

SIGNAL INPUT : 80 dBuV

CHANNEL SETTING : The last Channel of UHF High

SIGNAL PATTERN : Colour Bar

OT-M 516ST

Print Date : 21/01/95

Page Number : 1

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

PRODUCT CODE : 94219T-080002-TV

DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| ASSEMBLY NUMBER | DESCRIPTION |
|------------------|--|
| 155-931308-00-01 | COMMON PART ASS'Y 9313 G.STEREO/FAST TXT |
| 180-94219T-08-02 | NON-COM PART ASS'Y PAL/BG W/SCART/F.TXT/ |
| 180-94219T-08-CP | COMMON PART ASS'Y PAL/BG W/SCART/F.TXT/ |

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

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

Print Date : 21/01/95

PRODUCT CODE : 94219T-080002-TV

Page Number : 2

DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|--|---|-------------------|------|-------------------|------------|-------------|
| *** ASSEMBLY : 155-931308-00-01 COMMON PART ASS'Y 9313 G.STEREO/FAST TXT | | | | | | |
| 107-800455-46 | 455K HZ RESONATOR CSB455EB CF701 | MURATA | PC | 0 | 1.00000 | .1980 .1980 |
| 113-101005-17 | CARBON FILM RESISTOR 100 OHM R704,706 | 1/16W +-5% | PC | 0 | 2.00000 | .0035 .0069 |
| 113-102005-17 | CARBON FILM RESISTOR 1K OHM R705 | 1/16W +-5% | PC | 0 | 1.00000 | .0035 .0035 |
| 113-103005-17 | CARBON FILM RESISTOR 10K OHM R702 | 1/16W +-5% | PC | 0 | 1.00000 | .0035 .0035 |
| 113-109005-17 | CARBON FILM RESISTOR 1 OHM R708,710 | 1/16W +-5% | PC | 0 | 2.00000 | .0044 .0088 |
| 113-473005-17 | CARBON FILM RESISTOR 47K OHM R703 | 1/16W +-5% | PC | 0 | 1.00000 | .0035 .0035 |
| 113-682005-17 | CARBON FILM RESISTOR 6.8K OHM R701 | 1/16W +-5% | PC | 0 | 1.00000 | .0044 .0044 |
| 127-476042-03 | ELECT. CAP. 47 MFD 16V +-20% C701 | | PC | 0 | 1.00000 | .0288 .0288 |
| 130-600101-00 | INFRARED EMITTER EL-1L1 LED701 | KODENSHI | PC | 0 | 1.00000 | .1340 .1340 |
| 131-210719-29 | TRANSISTOR 2SA719R/S Q702 | MATSUSHITA | PC | 0 | 1.00000 | .0633 .0633 |
| 131-230945-00 | TRANSISTOR 2SC945 NEC Q701 | | PC | 0 | 1.00000 | .0417 .0417 |
| 133-803010-33 | I.C. SAA3010T PHILIPS IC701 | | PC | 0 | 1.00000 | .9673 .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 | .0023 .0023 |
| 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 .0030 |
| 172-726000-99 | BARE WIRE 54MM W701-702 | | M | 0 | .11000 | .0092 .0010 |
| 190-931302-02 | REMOTE P.C.B. | | PC | 0 | 1.00000 | .5346 .5346 |
| 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 |
| 773-036864-00 | BATTERY CONTACT PLATE +VE | | | 0 | 1.00000 | .0173 .0173 |
| 773-222001-00 | BATTERY CONTACT PLATE (+VE,-VE) W/NICKEL PLATING | | | 0 | 1.00000 | .0365 .0365 |
| 774-036862-00 | BATTERY CONTACT SPRING -VE | | | 0 | 1.00000 | .0260 .0260 |
| 810-041004-13 | POLYBAG 4" X 10" X 0.04MM FOR HANDSET | W/RE-CYCLING MARK | | 0 | 1.00000 | .0065 .0065 |
| 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 |
| 892-931308-07 | D/KEY PLATE - TEAC DESIGN (RC-570) | | | 0 | 1.00000 | .2038 .2038 |
| 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 |
| 964-931301-00 | SENSOR LENS | | | 0 | 1.00000 | .0275 .0275 |

ASSB PRICE : 3.1956

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

Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 3 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|--|---|------|------|-------------------|------------|--------|
| *** ASSEMBLY : 180-94219T-08-02 NON-COM PART ASS'Y PAL/BG W/SCART/F.TXT/ | | | | | | |
| 002-121001-46 | CRT 21" SAMSUNG (SOUTH HEMI-SPHERE CRT) | PC | 0 | 1.00000 | .0000 | .0000 |
| 003-131424-02 | TUNER OSCAR UVE33-W24/R16-3649MITSUMI TUNER | PC | 0 | 1.00000 | 9.9727 | 9.9727 |
| 107-105500-66 | SOUND TRAP CERAMIC FILTER 5.5MHZ TPS-5.5MB MURATA CF103 | PC | 0 | 1.00000 | .1465 | .1465 |
| 107-305500-16 | SOUND BYPASS CERAMIC FILTER 5.5MHZ SFE-5.5MB MURATA CF102 | PC | 0 | 1.00000 | .1465 | .1465 |
| 107-305740-16 | SOUND BYPASS CERAMIC FILTER 5.74MHZ SFE-5.74MC MURATA CF101 | PC | 0 | 1.00000 | .3600 | .3600 |
| 107-733400-66 | SAW FILTER 33.4 MHZ (MURATA) SA102 | PC | 0 | 1.00000 | 1.1683 | 1.1683 |
| 107-738916-00 | SAW FILTER TSF-5316 SANYO SA101 | PC | 0 | 1.00000 | 1.2487 | 1.2487 |
| 113-153105-17 | CARBON FILM RESISTOR 15K OHM 1/4W +-5% R116,610 | PC | 0 | 2.00000 | .0030 | .0060 |
| 113-223101-67 | METAL FILM RESISTOR 22K OHM 1/4W +-1% R606 | PC | 0 | 1.00000 | .0092 | .0092 |
| 161-121002-00 | MINI JACK #HSJ0916-012-010 HOSIDEN | | 0 | 1.00000 | .4406 | .4406 |
| 171-550084-02 | 84" AC LINE CORD (END-CUT)SAA APPW/7.5A PLUG. | PC | 0 | 1.00000 | .6154 | .6154 |
| 177-655103-05 | 5 PINS FLAT CABLE L=100MM CN205 TO CN206 | | 0 | 1.00000 | .0240 | .0240 |
| 186-227503-14 | BATTERY 3A | PC | 0 | 2.00000 | .0635 | .1269 |
| 191-401005-07 | 4 PIN SOCKET ASS'Y L=450MM | PC | 0 | 1.00000 | .2231 | .2231 |
| 610-942104-05 | GIFT BOX - TEAC DESIGN W/HANDEL (K+K) | | 0 | 1.00000 | 3.1865 | 3.1865 |
| 663-230756-94 | SERIAL NO.LABEL -OC:GT-756/94 1 FOR STUCK ON CRT,1 FOR STUCK ON RATING PLATE | | 0 | 2.00000 | .0071 | .0142 |
| 669-942101-02 | RATING LABEL - TEAC DESIGN | | 0 | 1.00000 | .0481 | .0481 |
| 670-942100-09 | I/MANUAL-TEAC DESIGN 240V {OUT DATE}NEW NO.670-942100-22 | | 0 | 1.00000 | .1442 | .1442 |
| 678-881303-04 | TOTAL CARE STICKER 1 {COLOUR} (HOTLINE) | | 0 | 1.00000 | .0481 | .0481 |
| 678-881303-05 | TOTAL CARE STICKER 2 {BLACK & WHITE} | | 0 | 1.00000 | .0154 | .0154 |
| 678-942101-01 | SCREEN STICKER 1 ATTACH TO TOP RIGHT OF SCREEN | | 0 | 1.00000 | .4673 | .4673 |
| 678-942101-07 | HEADPHONE JACK WARNING LABEL -TEAC DESIGN FOR 2 LOT UNIT | | 0 | 1.00000 | .0000 | .0000 |
| 690-922139-01 | WARRANTY CARD- TEAC (A) DESIGN | | 0 | 1.00000 | .0577 | .0577 |
| 693-942101-02 | EAN CODE LABEL - TEAC (CODE NO:9313060005849) | | 0 | 1.00000 | .0077 | .0077 |
| 703-942110-00 | SPEAKER GRILLE BLACK SPRAY (BOTH SIDE) | | 0 | 2.00000 | 1.2654 | 2.5308 |
| 810-404004-14 | POLYBAG 40"X40"X0.04MM W/PUNCHHOLE & RE-CYLING MARK P/O MAT FOR UNIT | | 0 | 1.00000 | .1977 | .1977 |
| 826-302005-00 | FOAM SHEET 30" X 20" X 0.5MM THK. FOR TOP | | 0 | 1.00000 | .0788 | .0788 |
| 826-342005-00 | FOAM SHEET - 34" X 20" X 0.5MM FOR BOTTOM | | 0 | 1.00000 | .0923 | .0923 |
| 840-051030-11 | RUBBER PAD (ONE SIDE W/TAPE) FOR P.C.B. | | 0 | 9.00000 | .0077 | .0692 |
| 884-882020-02 | JACK COVER-TEAC DESIGN WHI SS.W/21 PIN SOCKET HOLE | | 0 | 1.00000 | .1577 | .1577 |
| 884-942029-01 | P/PLATE (B) BLK W/L GR S.S.E. PAL/I/NICAM W/BALANCE (14 KEY) | | 0 | 1.00000 | .1596 | .1596 |
| 900-942110-05 | FRONT CABINET - SONY GREY | | 0 | 1.00000 | 4.9750 | 4.9750 |

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

Print Date : 21/01/95

PRODUCT CODE : 94219T-080002-TV

Page Number : 4

DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit Subs | Quantity Required | Unit Price | Amount |
|----------------|---|-----------|-------------------|------------|--------|
| 902-942101-00 | BACK CABINET W/O WOOFER | 0 | 1.00000 | 5.6467 | 5.6467 |
| 917-942110-03 | REMOTE LENS (B) - T.RED W/GOLDS.S. & DUAL STEREO I/II | 0 | 1.00000 | .1727 | .1727 |
| 919-942110-13 | PRESET DOOR - TEAC DESIGN (SONY GREY W/GREY S.S.) | 0 | 1.00000 | .1965 | .1965 |
| 986-882801-09 | NAME PLATE - TEAC DESIGN | 0 | 1.00000 | .0192 | .0192 |

ASSB PRICE : 32.7735

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

Print Date : 21/01/95

PRODUCT CODE : 94219T-080002-TV

Page Number : 5

DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|---|---|------|------|-------------------|------------|--------|
| *** ASSEMBLY : 180-94219T-08-CP COMMON PART ASS'Y PAL/BG W/SCART/F.TXT/ | | | | | | |
| 001-220027-07 | FLYBACK TRANSFORMER FCM20B027 SAMSUNG T402 | PC | 0 | 1.00000 | 6.8469 | 6.8469 |
| 008-550211-05 | DEGAUSSING COIL 60T (W/FIVE LAYERS OF TAPE) L902 | PC | 0 | 1.00000 | 1.7308 | 1.7308 |
| 012-102340-06 | SEMI-FIXED RESISTOR EVND8AA 03B13 1KB VR401,901 | PC | 0 | 2.00000 | .0529 | .1058 |
| 012-103340-06 | SEMI-FIXED RESISTOR EVND8AA 03B14 10KB VR103,002 | PC | 0 | 2.00000 | .0529 | .1058 |
| 012-104340-06 | SEMI-FIXED RESISTOR EVND8AA 03B15 100KB VR101 | PC | 0 | 1.00000 | .0558 | .0558 |
| 012-301330-06 | SEMI-FIXED RESISTOR EVND2AA 03B32 300B VR503,505 | PC | 0 | 2.00000 | .0587 | .1173 |
| 012-501340-06 | SEMI-FIXED RESISTOR EVND 8AA 03B52 500B VR302,003,001 | PC | 0 | 3.00000 | .0529 | .1587 |
| 012-502330-06 | SEMI-FIXED RESISTOR EVND2AA 03B53 5KB VR502,504,501 | PC | 0 | 3.00000 | .0587 | .1760 |
| 012-503340-06 | SEMI-FIXED RESISTOR EVND8AA 03B54 50KB VR102,301 | PC | 0 | 2.00000 | .0529 | .1058 |
| 013-100001-03 | GLASS DELAY LINE YTS-8B WITTIS DLY302 | PC | 0 | 1.00000 | .8038 | .8038 |
| 013-200005-00 | Y-DELAY LINE YBL50F18X DLY301 | PC | 0 | 1.00000 | .4346 | .4346 |
| 101-191005-96 | HORIZONTAL DRIVE TRANSFORMER R1005 T401 | PC | 0 | 1.00000 | .3119 | .3119 |
| 101-288820-95 | LINE FILTER 70MH L901 | PC | 0 | 1.00000 | .6583 | .6583 |
| 101-414214-94 | SWITCHING POWER TRANSFORMER HL4025B (HIGHLIGHT) T901 | PC | 0 | 1.00000 | 2.0192 | 2.0192 |
| 102-370600-02 | TANK COIL / AFC COIL COILS 707851 T101,103 | PC | 0 | 2.00000 | .1000 | .2000 |
| 102-671300-02 | SOUND IF COIL. COILS 710256 T102,104 | PC | 0 | 2.00000 | .1000 | .2000 |
| 102-770200-02 | SECAM COLOR PAL DELAY LINE MATCHING COILS 707850 T301 | PC | 0 | 1.00000 | .0865 | .0865 |
| 102-770810-20 | SECAM COLOUR KILLER 'COILS' 708625 TWD T302 | PC | 0 | 1.00000 | .1340 | .1340 |
| 102-871400-20 | OSC COIL TWD710229 T001 | PC | 0 | 1.00000 | .1265 | .1265 |
| 105-100101-02 | FIXED INDUCTIVE COIL 10UH +-10% L601 | PC | 0 | 1.00000 | .0458 | .0458 |
| 105-100103-02 | FIXED INDUCTIVE COIL 10UH +-10% AXIAL TYPE L102 | PC | 0 | 1.00000 | .0342 | .0342 |
| 105-150101-02 | FIXED INDUCTIVE COIL 15UH 10% L104 | PC | 0 | 1.00000 | .0458 | .0458 |
| 105-153106-02 | CHOKE COIL 15MH 10% CW-710228-153K L001 | PC | 0 | 1.00000 | .0769 | .0769 |
| 105-201106-06 | CHOKE COIL 200UH HIGHLIGHT L903 | PC | 0 | 1.00000 | .1500 | .1500 |

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

Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 6 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 105-330101-02 | FIXED INDUCTIVE COIL 33UH +-10% L305 | PC | 0 | 1.00000 | .0458 | .0458 |
| 105-331101-02 | FIXED INDUCTIVE COIL 330UH +-10% L501 | PC | 0 | 1.00000 | .0342 | .0342 |
| 105-399101-02 | FIXED INDUCTIVE COIL 3.9 UH 10% L801 | PC | 0 | 1.00000 | .0288 | .0288 |
| 105-560101-02 | FIXED INDUCTOR COIL 56UH +-10%CW-560K-455-705111 L002 | PC | 0 | 1.00000 | .0458 | .0458 |
| 105-650052-13 | LINEARITY COIL 65UH FOR 20" CRT L401 | PC | 0 | 1.00000 | .3423 | .3423 |
| 105-689101-02 | FIXED INDUCTIVE COIL 6.8UH 10% L103 | PC | 0 | 1.00000 | .0342 | .0342 |
| 105-828103-02 | FIXED INDUCTIVE COIL 0.82UH 10% AXIAL TYPE L101 | PC | 0 | 1.00000 | .0342 | .0342 |
| 105-829101-02 | FIXED INDUCTIVE COIL 8.2UH 10% L301,302,303,304 | PC | 0 | 4.00000 | .0342 | .1369 |
| 111-104281-2A | VERIABLE RES. W/CENTRE CHICK 100K (VA09CVI U 20TMB100K HDK) VR201 | PC | 0 | 1.00000 | .2308 | .2308 |
| 113-100105-17 | CARBON FILM RESISTOR 10 OHM 1/4W +-5% R601,119,108,140,134,803 | PC | 0 | 6.00000 | .0028 | .0167 |
| 113-101105-17 | CARBON FILM RESISTOR 100 OHM 1/4W +-5% R624,625,650,643,644,638,804,805,806,808,801,802 | PC | 0 | 12.00000 | .0033 | .0392 |
| 113-101105-17 | CARBON FILM RESISTOR 100 OHM 1/4W +-5% R309,317,318,319,322,326,336,337,338,613 | PC | 0 | 10.00000 | .0033 | .0327 |
| 113-101105-17 | CARBON FILM RESISTOR 100 OHM 1/4W +-5% R005 | PC | 0 | 1.00000 | .0033 | .0033 |
| 113-101305-75 | METAL OXIDE FILM RESISTOR 100 OHM 1W +-5% R130 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-102105-17 | CARBON FILM RESISTOR 1K OHM 1/4W +-5% R921,329,352,331,402,107,126,325,807,821,851,330 | PC | 0 | 12.00000 | .0033 | .0392 |
| 113-102105-17 | CARBON FILM RESISTOR 1K OHM 1/4W +-5% R619,617,607,608,618,620,621,634,637,641 | PC | 0 | 10.00000 | .0033 | .0327 |
| 113-102105-17 | CARBON FILM RESISTOR 1K OHM 1/4W +-5% R636,639,642,109,143,153,320,302,328,157,007,008 | PC | 0 | 12.00000 | .0033 | .0392 |
| 113-102305-75 | METAL OXIDE FILM RESISTOR 1K OHM 1W +-5% R414 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-103101-67 | METAL FILM RESISTOR 10K OHM 1/4W +-1% R609 | PC | 0 | 1.00000 | .0092 | .0092 |
| 113-103105-17 | CARBON FILM RESISTOR 10K OHM 1/4W +-5% R605,612,623,635,649,632,103,110,113,104,852 | PC | 0 | 11.00000 | .0033 | .0360 |
| 113-103105-17 | CARBON FILM RESISTOR 10K OHM 1/4W +-5% R303,304,315,354,407,006,010,012,014,908,403 | PC | 0 | 11.00000 | .0033 | .0360 |
| 113-103105-17 | CARBON FILM RESISTOR 10K OHM 1/4W +-5% R154,321,339,927,408 | PC | 0 | 5.00000 | .0033 | .0163 |
| 113-103405-75 | METAL OXIDE FILM RESISTOR 10K OHM 2W +-5% R137 | PC | 0 | 1.00000 | .0240 | .0240 |
| 113-104105-17 | CARBON FILM RESISTOR 100K OHM 1/4W +-5% R136,355 | PC | 0 | 2.00000 | .0028 | .0056 |
| 113-104205-12 | CARBON FILM RESISTOR 100K OHM 1/2W +-5% R920 | PC | 0 | 1.00000 | .0062 | .0062 |

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

Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 7 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|---|------|------|-------------------|------------|--------|
| 113-104305-75 | METAL OXIDE FILM RESISTOR 100KOHM 1W +-5% R925 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-105001-67 | METAL FILM RESISTOR 1M OHM 1/16W +-1% R812 | PC | 0 | 1.00000 | .0190 | .0190 |
| 113-105105-17 | CARBON FILM RESISTOR 1M OHM 1/4W +-5% R138 | PC | 0 | 1.00000 | .0033 | .0033 |
| 113-120305-75 | METAL OXIDE FILM RESISTOR 12 OHM 1W +-5% R911 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-120405-75 | METAL OXIDE FILM RESISTOR 12 OHM 2W +-5% R924 | PC | 0 | 1.00000 | .0265 | .0265 |
| 113-122105-17 | CARBON FILM RESISTOR 1.2K OHM 1/4W +-5% R121,122,323,602 | PC | 0 | 4.00000 | .0028 | .0112 |
| 113-123105-17 | CARBON FILM RESISTOR 12K OHM 1/4W +-5% R132,615,001 | PC | 0 | 3.00000 | .0030 | .0089 |
| 113-124205-12 | CARBON FILM RESISTOR 120K OHM 1/2W +-5% R421 | PC | 0 | 1.00000 | .0062 | .0062 |
| 113-152105-17 | CARBON FILM RESISTOR 1.5K OHM 1/4W +-5% R150,152,850 | PC | 0 | 3.00000 | .0030 | .0089 |
| 113-153105-17 | CARBON FILM RESISTOR 15K OHM 1/4W +-5% R604,616,401,016,017 | PC | 0 | 5.00000 | .0030 | .0149 |
| 113-153405-75 | METAL OXIDE FILM RESISTOR 15K OHM 2W +-5% R510,511,505 | PC | 0 | 3.00000 | .0240 | .0719 |
| 113-154105-17 | CARBON FILM RESISTOR 150K OHM 1/4W +-5% R133 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-159305-75 | METAL OXIDE FILM RESISTOR 1.5 OHM 1W +-5% R410 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-181105-17 | CARBON FILM RESISTOR 180 OHM 1/4W +-5% R135,305,307,310,313,340 | PC | 0 | 6.00000 | .0028 | .0167 |
| 113-182105-17 | CARBON FILM RESISTOR 1.8K OHM 1/4W +-5% R907,628,629,630,631,148,335,334,816,817,814,815 | PC | 0 | 12.00000 | .0033 | .0392 |
| 113-182105-17 | CARBON FILM RESISTOR 1.8K OHM 1/4W +-5% R306,308,311 | PC | 0 | 3.00000 | .0033 | .0098 |
| 113-184105-17 | CARBON FILM RESISTOR 180K OHM 1/4W +-5% R151,156 | PC | 0 | 2.00000 | .0028 | .0056 |
| 113-202605-75 | METAL OXIDE FILM RESISTOR 2K OHM 5W +-5% R416 | PC | 0 | 1.00000 | .1154 | .1154 |
| 113-221105-17 | CARBON FILM RESISTOR 220 OHM 1/4W +-5% R411,112,106 | PC | 0 | 3.00000 | .0028 | .0084 |
| 113-221305-75 | METAL OXIDE FILM RESISTOR 220 OHM 1W +-5% R413 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-222101-67 | METAL FILM RESISTOR 2.2K OHM 1/4W +-1% R146 | PC | 0 | 1.00000 | .0092 | .0092 |
| 113-222105-17 | CARBON FILM RESISTOR 2.2K OHM 1/4W +-5% R507,509,513,141,652,332,201,205,207,013,015 | PC | 0 | 11.00000 | .0033 | .0360 |
| 113-223105-17 | CARBON FILM RESISTOR 22K OHM 1/4W +-5% R646,129,312,314,417,655,406,208,209,346,111,002 | PC | 0 | 12.00000 | .0030 | .0358 |
| 113-224105-17 | CARBON FILM RESISTOR 220K OHM 1/4W +-5% R333,653,004,009 | PC | 0 | 4.00000 | .0028 | .0112 |
| 113-229105-17 | CARBON FILM RESISTOR 2.2 OHM 1/4W +-5% R125,342,327 | PC | 0 | 3.00000 | .0028 | .0084 |

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

Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 8 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|---|------|------|-------------------|------------|--------|
| 113-229205-12 | CARBON FILM RESISTOR 2.2 OHM 1/2W +-5% R139,351 | PC | 0 | 2.00000 | .0062 | .0123 |
| 113-229305-75 | METAL OXIDE FILM RESISTOR 2.2 OHM 1W +-5% R203 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-229405-75 | METAL OXIDE FILM RESISTOR 2.2 OHM 2W +-5% R902 | PC | 0 | 1.00000 | .0240 | .0240 |
| 113-229605-51 | WIRE WOUND CEMENT RESISTOR 2.2 OHM 5W +-5% R901 | PC | 0 | 1.00000 | .1654 | .1654 |
| 113-270105-17 | CARBON FILM RESISTOR 27 OHM 1/4W +-5% R115 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-270405-75 | METAL OXIDE FILM RESISTOR 27 OHM 2W +-5% R912 | PC | 0 | 1.00000 | .0265 | .0265 |
| 113-271105-17 | CARBON FILM RESISTOR 270 OHM 1/4W +-5% R147,820 | PC | 0 | 2.00000 | .0028 | .0056 |
| 113-272105-17 | CARBON FILM RESISTOR 2.7K OHM 1/4W +-5% R142 | PC | 0 | 1.00000 | .0033 | .0033 |
| 113-272205-12 | CARBON FILM RESISTOR 2.7K OHM 1/2W +-5% R502,503,504,922,409,415 | PC | 0 | 6.00000 | .0062 | .0369 |
| 113-273105-17 | CARBON FILM RESISTOR 27K OHM 1/4W +-5% R155,603,614,810 | PC | 0 | 4.00000 | .0032 | .0129 |
| 113-330105-17 | CARBON FILM RESISTOR 33 OHM 1/4W +-5% R928 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-331105-17 | CARBON FILM RESISTOR 330 OHM 1/4W +-5% R905,343,344,353 | PC | 0 | 4.00000 | .0033 | .0131 |
| 113-332102-17 | CARBON FILM RESISTOR 3.3K OHM 1/4W +-2% R904 | PC | 0 | 1.00000 | .0052 | .0052 |
| 113-332105-17 | CARBON FILM RESISTOR 3.3K OHM 1/4W +-5% R611,645,647,822,809 | PC | 0 | 5.00000 | .0028 | .0139 |
| 113-333105-17 | CARBON FILM RESISTOR 33K OHM 1/4W +-5% R118,127,114,117,144 | PC | 0 | 5.00000 | .0033 | .0163 |
| 113-334105-17 | CARBON FILM RESISTOR 330K OHM 1/4W +-5% R131 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-334305-75 | METAL OXIDE FILM RESISTOR 330KOHM 1W +-5% R913 | PC | 0 | 1.00000 | .0192 | .0192 |
| 113-335105-17 | CARBON FILM RESISTOR 3.3M OHM 1/4W +-5% R356 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-338405-75 | METAL OXIDE FILM RESISTOR 0.330HM 2W +-5% R914 | PC | 0 | 1.00000 | .0240 | .0240 |
| 113-339405-42 | NON-FLAMMABLE FUSE RESISTOR 3.3 OHM 2W +-5% R501 | PC | 0 | 1.00000 | .0808 | .0808 |
| 113-390505-75 | METAL OXIDE FILM RESISTOR 39 OHM 3W +-5% R926 | PC | 0 | 1.00000 | .0510 | .0510 |
| 113-390605-75 | METAL OXIDE FILM RESISTOR 39 OHM 5W +-5% R915 | PC | 0 | 1.00000 | .1154 | .1154 |
| 113-391105-17 | CARBON FILM RESISTOR 390 OHM 1/4W +-5% R506,508,347,934,854 | PC | 0 | 5.00000 | .0030 | .0149 |
| 113-392105-17 | CARBON FILM RESISTOR 3.9K OHM 1/4W +-5% R404,633 | PC | 0 | 2.00000 | .0030 | .0060 |
| 113-393105-17 | CARBON FILM RESISTOR 39K OHM 1/4W +-5% R316 | PC | 0 | 1.00000 | .0033 | .0033 |

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

Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 9 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|---|------|------|-------------------|------------|--------|
| 113-470105-17 | CARBON FILM RESISTOR 47 OHM 1/4W +-5% R933,204,205 | PC | 0 | 3.00000 | .0033 | .0098 |
| 113-471105-17 | CARBON FILM RESISTOR 470 OHM 1/4W +-5% R412,123,124 | PC | 0 | 3.00000 | .0028 | .0084 |
| 113-472105-17 | CARBON FILM RESISTOR 4.7K OHM 1/4W +-5% R910,149,345,348,120,158,159,855,011 | PC | 0 | 11.00000 | .0030 | .0328 |
| 113-473105-17 | CARBON FILM RESISTOR 47K OHM 1/4W +-5% R622,648,651,301,341,405 | PC | 0 | 6.00000 | .0033 | .0196 |
| 113-479105-17 | CARBON FILM RESISTOR 4.7 OHM 1/4W +-5% R210,211 | PC | 0 | 2.00000 | .0028 | .0056 |
| 113-479505-75 | METAL OXIDE FILM RESISTOR 4.7 OHM 3W +-5% R422 | PC | 0 | 1.00000 | .0510 | .0510 |
| 113-511105-17 | CARBON FILM RESISTOR 510 OHM 1/4W +-5% R512 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-562105-17 | CARBON FILM RESISTOR 5.6K OHM 1/4W +-5% R105,324,202,357, 2 FOR W002 | PC | 0 | 6.00000 | .0033 | .0196 |
| 113-563105-17 | CARBON FILM RESISTOR 56K OHM 1/4W +-5% R003 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-565210-92 | CARBON COMPOSITION RESISTOR 5.6M OHM 1/2W +-10% R916,917 | PC | 0 | 2.00000 | .0548 | .1096 |
| 113-681105-17 | CARBON FILM RESISTOR 680 OHM 1/4W +-5% R853 | PC | 0 | 1.00000 | .0033 | .0033 |
| 113-682102-17 | CARBON FILM RESISTOR 6.8K OHM 1/4W +-2% R903 | PC | 0 | 1.00000 | .0052 | .0052 |
| 113-682105-17 | CARBON FILM RESISTOR 6.8K OHM 1/8W +-5% R909,419,349 | PC | 0 | 3.00000 | .0028 | .0084 |
| 113-688205-42 | FUSING RESISTOR 0.68 OHM 1/2W +-5% R919 | PC | 0 | 1.00000 | .0462 | .0462 |
| 113-688305-42 | FUSING RESISTOR 0.68 OHM 1W +-5% R918,423,424 | PC | 0 | 3.00000 | .0587 | .1760 |
| 113-750105-17 | CARBON FILM RESISTOR 75 OHM 1/4W +-5% R929,930,931,932 | PC | 0 | 4.00000 | .0028 | .0112 |
| 113-820105-17 | CARBON FILM RESISTOR 82 OHM 1/4W +-5% R418,101 | PC | 0 | 2.00000 | .0028 | .0056 |
| 113-821105-17 | CARBON FILM RESISTOR 820 OHM 1/4W +-5% R425,350 | PC | 0 | 2.00000 | .0028 | .0056 |
| 113-822105-17 | CARBON FILM RESISTOR 8.2K OHM 1/4W +-5% R906,923,420,626 | PC | 0 | 4.00000 | .0033 | .0131 |
| 113-823105-17 | CARBON FILM RESISTOR 82K OHM 1/4W +-5% R145 | PC | 0 | 1.00000 | .0028 | .0028 |
| 113-824105-17 | CARBON FILM RESISTOR 820K OHM 1/4W +-5% R180 | PC | 0 | 1.00000 | .0028 | .0028 |
| 114-210200-01 | THERMISTOR (NICHICON ZPB53 BL 200C) TH901 | PC | 0 | 1.00000 | .4231 | .4231 |
| 123-100340-60 | CERAMIC CAP. 10PF +-5% 50V (SL TYPE) C349 | PC | 0 | 1.00000 | .0107 | .0107 |
| 123-100340-93 | CERAMIC CAP. 10 PF 50V +-5% (NPO) CB02 | PC | 0 | 1.00000 | .0144 | .0144 |
| 123-101350-60 | CERAMIC CAP. 100 PF 50V +-10% (SL TYPE) C612 | PC | 0 | 1.00000 | .0116 | .0116 |

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Page Number : 10

DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 123-102350-90 | CERAMIC CAP. 0.001 MFD 50V +-10% (B TYPE) C138,614,110,148,801,103 | PC | 0 | 6.00000 | .0127 | .0759 |
| 123-102850-10 | CERAMIC CAP. 0.001 MFD 2KV +-10% MATSUSHITA C501 | PC | 0 | 1.00000 | .1385 | .1385 |
| 123-103350-90 | CERAMIC CAP. 0.01 MFD 50V +-10% (B TYPE) C352 | PC | 0 | 1.00000 | .0276 | .0276 |
| 123-103370-90 | CERAMIC CAP. 0.01 MFD 50V +80 -20% C102,117,126,333,334,330,339,147,319,118,016,009 | PC | 0 | 12.00000 | .0128 | .1536 |
| 123-104270-90 | CERAMIC CAP. 0.1 MFD 25V +80 -20% C623,123,139,306,309,307,101,803,807,851,814,810 | PC | 0 | 12.00000 | .0352 | .4223 |
| 123-121350-60 | CERAMIC CAP. 120 PF 50V +-10% (SL TYPE) C301,302,303 | PC | 0 | 3.00000 | .0116 | .0348 |
| 123-122551-90 | CERAMIC CAP. 0.0012 MFD 500V +-10% (B TYPE) MATSUSHITA C415 | PC | 0 | 1.00000 | .0476 | .0476 |
| 123-130340-93 | CERAMIC CAP. 13PF 50V +-5% (NPO) CT301 | PC | 0 | 1.00000 | .0144 | .0144 |
| 123-150340-93 | CERAMIC CAP. 15 PF 50V +-5% (NPO) C808 | PC | 0 | 1.00000 | .0144 | .0144 |
| 123-151350-60 | CERAMIC CAP 150 PF 50V +-10% (SL TYPE) C137 | PC | 0 | 1.00000 | .0116 | .0116 |
| 123-220340-60 | CERAMIC CAP. 22 PF 50V +-5% (SL TYPE) C616,617,618,620 | PC | 0 | 4.00000 | .0107 | .0429 |
| 123-220340-93 | CERAMIC CAP. 22 PF 50V +-5% (NPO) C812,815 | PC | 0 | 2.00000 | .0144 | .0289 |
| 123-221350-60 | CERAMIC CAP. 220 PF 50V +-10% (SL TYPE) C503,504,502,347 | PC | 0 | 4.00000 | .0137 | .0548 |
| 123-221551-90 | CERAMIC CAP. 220 PF 500V +-10% MATSUSHITA C916 | PC | 0 | 1.00000 | .0566 | .0566 |
| 123-222350-90 | CERAMIC CAP. 0.0022 MFD 50V +-10% (B TYPE) C017 | PC | 0 | 1.00000 | .0140 | .0140 |
| 123-222466-41 | CERAMIC CAP. 0.0022 MFD 400V +-20% ECK-DNS222MEX MATSUSHITA C912 | PC | 0 | 1.00000 | .2058 | .2058 |
| 123-222850-10 | CERAMIC CAP. 0.0022 MFD 2KV +-10% MATSUSHITA C911,419 | PC | 0 | 2.00000 | .2385 | .4769 |
| 123-223370-90 | CERAMIC CAP. 0.022 MFD 50V +80-20% C109,131,124,122,128,129,135,331,332,335,002 | PC | 0 | 11.00000 | .0128 | .1408 |
| 123-223370-90 | CERAMIC CAP. 0.022 MFD 50V +80-20% C344,105,343,127 | PC | 0 | 4.00000 | .0128 | .0512 |
| 123-270340-60 | CERAMIC CAP. 27 PF 50V +-5% (SL-TYPE) C114 | PC | 0 | 1.00000 | .0107 | .0107 |
| 123-270340-93 | CERAMIC CAP. 27PF 50V +-5% (NPO) C628,613 | PC | 0 | 2.00000 | .0149 | .0298 |
| 123-390340-93 | CERAMIC CAP. 39PF 50V +-5% (NPO) C630 | PC | 0 | 1.00000 | .0149 | .0149 |
| 123-471350-60 | CERAMIC CAP. 470 PF 50V +-10% (SL TYPE) C023,024 | PC | 0 | 2.00000 | .0201 | .0402 |
| 123-472350-90 | CERAMIC CAP. 0.0047 MFD 50V +-10% (B TYPE) C918,920 | PC | 0 | 2.00000 | .0156 | .0313 |
| 123-472550-90 | CERAMIC CAP. 0.0047 MFD 500V +-10% (B TYPE) C913,413,423 | PC | 0 | 3.00000 | .1712 | .5135 |

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 Page Number : 11 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 123-472552-90 | CERAMIC CAP. 0.0047 MFD 500V +-10% (B TYPE) SMALL SIZE C903,904,907 | PC | 0 | 3.00000 | .0595 | .1786 |
| 123-509340-93 | CERAMIC CAP. 5 PF 50V +-5% (NPO) C345 | PC | 0 | 1.00000 | .0144 | .0144 |
| 123-681350-60 | CERAMIC CAP. 680 PF 50V +-10% (SL TYPE) C407 | PC | 0 | 1.00000 | .0394 | .0394 |
| 123-821850-10 | CERAMIC CAP. 820 PF 2KV +-10% (SL TYPE) MATSUSHITA C914 | PC | 0 | 1.00000 | .1550 | .1550 |
| 125-361120-11 | POLYSTYRENE CAP. 360PF 125V +-5% C150 | PC | 0 | 1.00000 | .0346 | .0346 |
| 125-391120-11 | POLYSTYRENE CAP. 390 PF 125V +-5% C149 | PC | 0 | 1.00000 | .0346 | .0346 |
| 126-102071-01 | MYLAR CAP. 0.001 MFD 50V +-10% C130,402,412,015 | PC | 0 | 4.00000 | .0104 | .0415 |
| 126-104071-01 | MYLAR CAP. 0.1 MFD 50V +-10% C602,908,304,305,308,310,324,325,326,133 | PC | 0 | 10.00000 | .0250 | .2500 |
| 126-104071-01 | MYLAR CAP. 0.1 MFD 50V +-10% C409,214,216,804,809,850,004,012 | PC | 0 | 8.00000 | .0250 | .2000 |
| 126-104101-31 | POLYPROPYLENE CAP. 0.1 MFD 100V +-10% C425 | PC | 0 | 1.00000 | .1158 | .1158 |
| 126-222071-01 | MYLAR CAP. 0.0022 MFD 50V +-10% C610,624 | PC | 0 | 2.00000 | .0104 | .0208 |
| 126-222161-41 | METALLIZED POLYPROPYLENE CAP. 0.0022 MFD 1600V +-10% C420 | PC | 0 | 1.00000 | .2386 | .2386 |
| 126-223071-01 | MYLAR CAP. 0.022 MFD 50V +-10% C321,322,323,207,208,806 | PC | 0 | 6.00000 | .0129 | .0773 |
| 126-224071-01 | MYLAR CAP 0.22 MFD 50V +-10% C140,348,006,007,603,115 | PC | 0 | 6.00000 | .0375 | .2250 |
| 126-272070-31 | POLYPROPYLENE CAP. 0.0027 MFD 50V +-5% C141 | PC | 0 | 1.00000 | .0697 | .0697 |
| 126-332161-41 | METALLIZED POLYPROPYLENE CAP. 0.0033 MFD 1600V +-10% C418 | PC | 0 | 1.00000 | .2386 | .2386 |
| 126-333071-01 | MYLAR CAP. 0.033 MFD 50V +-10% C906 | PC | 0 | 1.00000 | .0173 | .0173 |
| 126-334071-01 | MYLAR CAP. 0.33 MFD 50V +-10% C143,145 | PC | 0 | 2.00000 | .0613 | .1227 |
| 126-472071-01 | MYLAR CAP. 0.0047 MFD 50V +-10% C403,405 | PC | 0 | 2.00000 | .0104 | .0208 |
| 126-473071-01 | MYLAR CAP. 0.047 MFD 50V +-10% C134,346,010 | PC | 0 | 3.00000 | .0190 | .0571 |
| 126-473211-41 | METALLIZED POLYPROPYLENE CAP 0.047 MFD 250V +-10% VDE C902 | PC | 0 | 1.00000 | .1538 | .1538 |
| 126-474071-01 | MYLAR CAP. 0.47 MFD 50V +-10% C014 | PC | 0 | 1.00000 | .0788 | .0788 |
| 126-474201-31 | POLYPROPYLENE CAP 0.47 MFD 200V +-10% C414 | PC | 0 | 1.00000 | .2788 | .2788 |
| 126-474211-41 | METALLIZED POLYPROPYLENE CAP 0.47 MFD 250V +-10% VDE C901 | PC | 0 | 1.00000 | .4481 | .4481 |
| 126-562071-01 | MYLAR CAP. 0.0056 MFD 50V +-10% C020 | PC | 0 | 1.00000 | .0104 | .0104 |

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| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 127-105072-03 | ELECT. CAP. 1 MFD 50V +-20% C107,142,341,342,350,132,W002,816 | PC | 0 | 8.00000 | .0227 | .1815 |
| 127-105132-03 | ELECT. CAP. 1 MFD 160V +-20% C416 | PC | 0 | 1.00000 | .0317 | .0317 |
| 127-106042-03 | ELECT. CAP. 10 MFD 16V +-20% C202,627,621,601,615,619,626,622,351,011 | PC | 0 | 10.00000 | .0227 | .2269 |
| 127-106042-03 | ELECT. CAP. 10 MFD 16V +-20% C203,312,328,329,327,316,317,315,340,314,318,338 | PC | 0 | 12.00000 | .0227 | .2723 |
| 127-106042-23 | ELECT. CAP. BIPOLAR 10MFD 16V +-20% C018,019 | PC | 0 | 2.00000 | .0635 | .1269 |
| 127-106102-03 | ELECT CAP. 10MFD 100V +-20% NICHICON C910 | PC | 0 | 1.00000 | .0481 | .0481 |
| 127-107042-03 | ELECT. CAP. 100 MFD 16V +-20% C125,119,625,209,210,311,805,003,813 | PC | 0 | 9.00000 | .0346 | .3115 |
| 127-107062-03 | ELECT. CAP. 100 MFD 35V +-20% C201,408 | PC | 0 | 2.00000 | .0519 | .1038 |
| 127-107132-03 | ELECT. CAP. 100 MFD 160V +-20% C417 | PC | 0 | 1.00000 | .3231 | .3231 |
| 127-107402-03 | ELECT. CAP. 100 MFD 400V +-20% C905 | PC | 0 | 1.00000 | .9904 | .9904 |
| 127-108042-03 | ELECT. CAP. 1000 MFD 16V +-20% C421 | PC | 0 | 1.00000 | .1192 | .1192 |
| 127-108052-03 | ELECT. CAP. 1000 MFD 25V +-20% C217 | PC | 0 | 1.00000 | .1442 | .1442 |
| 127-225072-03 | ELECT. CAP 2.2 MFD 50V +-20% C106,108,111,113,116 | PC | 0 | 5.00000 | .0227 | .1135 |
| 127-226042-03 | ELECT. CAP. 22 MFD 16V +-20% C609 | PC | 0 | 1.00000 | .0240 | .0240 |
| 127-227042-03 | ELECT. CAP. 220 MFD 16V +-20% C320,121,205 | PC | 0 | 3.00000 | .0404 | .1212 |
| 127-227062-03 | ELECT. CAP. 220 MFD 35V +-20% C917,410,411 | PC | 0 | 3.00000 | .0712 | .2135 |
| 127-228052-03 | ELECT. CAP. 2200 MFD 25V +-20% C406,422 | PC | 0 | 2.00000 | .3192 | .6385 |
| 127-335071-05 | ELECT CAP. 3.3UF 50V +-10% (TIME CONSTANT) C404 | PC | 0 | 1.00000 | .0567 | .0567 |
| 127-336042-03 | ELECT. CAP. 33 MFD 16V +-20% C144,921 | PC | 0 | 2.00000 | .0240 | .0481 |
| 127-336252-03 | ELECT CAP. 33 MFD 250V +-20% C424 | PC | 0 | 1.00000 | .2212 | .2212 |
| 127-474072-03 | ELECT. CAP. 0.47 MFD 50V +-20% C013 | PC | 0 | 1.00000 | .0227 | .0227 |
| 127-475052-03 | ELECT. CAP. 4.7 MFD 25V +-20% C001,021,022,607,608,604,136,337,211,212 | PC | 0 | 10.00000 | .0227 | .2269 |
| 127-476042-03 | ELECT. CAP. 47 MFD 16V +-20% C401,204,206,005 | PC | 0 | 4.00000 | .0288 | .1154 |
| 127-476072-07 | ELECT. CAP. 47 MFD 50V +-20% NICHICON C909 | PC | 0 | 1.00000 | .0519 | .0519 |
| 127-476132-03 | ELECT. CAP. 47 MFD 160V +-20% C915 | PC | 0 | 1.00000 | .2221 | .2221 |

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DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit Subs | Quantity Required | Unit Price | Amount |
|----------------|---|-----------|-------------------|------------|--------|
| 954-892001-00 | HIGH VOLTAGE SPACER FOR CRT | 0 | 1.00000 | .0552 | .0552 |
| 977-882001-01 | PUSH BUTTON - BLACK MOULDED <i>VOLUME BUTTONS/CHANNEL</i> | .0 | 1.00000 | .0417 | .0417 |
| 991-942110-01 | POWER KNOB(B)ABS BLACK MOULDED | 0 | 1.00000 | .0221 | .0221 |

ASSB PRICE : 96.5525

TOTALA PRICE : 132.5216

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 Page Number : 14 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|---------|
| 131-241545-00 | TRANSISTOR 2SD1545 TOSHIBA Q904 | PC | 0 | 1.00000 | 1.0122 | 1.0122 |
| 131-241555-00 | TRANSISTOR 2SD1555 TOSHIBA Q402 | PC | 0 | 1.00000 | .9377 | .9377 |
| 131-241761-00 | TRANSISTOR 2SD1761 ROHM Q201 | PC | 0 | 1.00000 | .2981 | .2981 |
| 131-462369-00 | TRANSISTOR PH2369 PHILIPS Q601 | PC | 0 | 1.00000 | .0731 | .0731 |
| 133-100322-33 | PHILIPS IC PCA CTV322S IC601 | PC | 0 | 1.00000 | 5.6538 | 5.6538 |
| 133-102421-31 | I.C. ST24C02AB1 SGS IC602 | PC | 0 | 1.00000 | .8654 | .8654 |
| 133-103504-33 | I.C. TDA3504 PHILIPS IC304 | PC | 0 | 1.00000 | 1.7885 | 1.7885 |
| 133-103857-33 | IC TDA3857 PHILIPS IC101 | PC | 0 | 1.00000 | 2.8654 | 2.8654 |
| 133-104505-33 | I.C. TDA4505E PHILIPS IC102 | PC | 0 | 1.00000 | 2.9173 | 2.9173 |
| 133-104510-33 | PHILIPS IC TDA4510 IC305 | PC | 0 | 1.00000 | 1.6154 | 1.6154 |
| 133-108461-33 | PHILIPS IC MAB8461 IC804 | PC | 0 | 1.00000 | 4.3154 | 4.3154 |
| 133-108628-14 | IC TA8628N TOSHIBA IC303 | PC | 0 | 1.00000 | 1.6373 | 1.6373 |
| 133-135246-33 | I.C. SAA5246AP/E PHILIPS (M6) IC801 | PC | 0 | 1.00000 | 10.3846 | 10.3846 |
| 133-203653-33 | I.C. TDA3653B PHILIPS IC401 | PC | 0 | 1.00000 | .6923 | .6923 |
| 133-203803-33 | IC TDA3803A PHILIPS IC001 | PC | 0 | 1.00000 | 3.2692 | 3.2692 |
| 133-204445-16 | I.C. LA4445 SANYO IC201 | PC | 0 | 1.00000 | .9228 | .9228 |
| 133-207805-31 | I.C. L7805CV SGS IC901 | PC | 0 | 1.00000 | .2977 | .2977 |
| 133-207812-31 | IC L7812CV SGS-THOMSON IC103 | PC | 0 | 1.00000 | .3077 | .3077 |
| 133-304052-14 | IC TC4052BP TOSHIBA IC002 | PC | 0 | 1.00000 | .2977 | .2977 |
| 133-304241-33 | I.C. PC74HCT241P PHILIPS IC301 | PC | 0 | 1.00000 | .2500 | .2500 |
| 133-305114-31 | I.C. TEA5114A SGS IC302 | PC | 0 | 1.00000 | .9675 | .9675 |
| 133-306264-00 | I.C. HY6264LP-10 HYUNDAI IC802 | PC | 0 | 1.00000 | 2.0962 | 2.0962 |
| 136-500002-00 | REMOTE RECEIVER (HC-S202) OPT601 | PC | 0 | 1.00000 | .9526 | .9526 |
| 137-100000-31 | CRYSTAL 10 MHZ HOORAY X601 | PC | 0 | 1.00000 | .3462 | .3462 |
| 137-270000-30 | CRYSTAL 27 MHZ NDK X801 | PC | 0 | 1.00000 | .3462 | .3462 |

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DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 137-600000-20 | CRYSTAL 6.0 MHZ X802 | PC | 0 | 1.00000 | .4500 | .4500 |
| 137-886723-20 | CRYSTAL 8.86 MHZ KDS X301 | PC | 0 | 1.00000 | .4049 | .4049 |
| 146-100001-14 | POWER SWITCH (ESB-99957S COST COST REDUCTION) S612 | PC | 0 | 1.00000 | 1.4250 | 1.4250 |
| 146-100002-13 | TACT SWITCH K9M0634A HDK S602,603,604,605,601,606,608,609 | PC | 0 | 8.00000 | .0673 | .5385 |
| 146-145000-00 | TACT SWITCH TM116E UNITRONIC S610,611,613,614 | PC | 0 | 4.00000 | .0673 | .2692 |
| 160-101001-08 | PIN CONNECTOR 1 PIN PLUG STRAIGHT FOR CN501 | PC | 0 | 1.00000 | .0191 | .0191 |
| 160-102255-27 | PIN CONNECTOR 2 PINS PLUG STRAIGHT (UL) CN201 | PC | 0 | 1.00000 | .0158 | .0158 |
| 160-102805-08 | PIN CONNECTOR 2 PIN PLUG STRAIGHT CN903 | PC | 0 | 1.00000 | .0473 | .0473 |
| 160-103255-27 | PIN CONNECTOR 3 PINS PLUG CN202,802,803,606,302,002,003,004,304,306 | PC | 0 | 10.00000 | .0248 | .2477 |
| 160-103805-08 | PIN CONNECTOR 3 PIN PLUG STRAIGHT CN402 | PC | 0 | 1.00000 | .0653 | .0653 |
| 160-104255-27 | PIN CONNECTOR 4 PINS PLUG CN001,303 | PC | 0 | 2.00000 | .0269 | .0538 |
| 160-104805-08 | PIN CONNECTOR 4 PIN PLUG STRAIGHT CN401 | PC | 0 | 1.00000 | .0698 | .0698 |
| 160-105255-27 | PIN CONNECTOR 5 PINS WAFER 2.5 PITCH CN203 | PC | 0 | 1.00000 | .0394 | .0394 |
| 160-106255-27 | PIN CONNECTOR 6 PINS WAFER (SHS) S11-W CN801,301 | PC | 0 | 2.00000 | .0404 | .0808 |
| 161-540004-01 | CRT SOCKET ISH-01 IN CHANG | PC | 0 | 1.00000 | .6346 | .6346 |
| 161-683702-22 | 21 PIN SOCKET J901 | PC | 0 | 1.00000 | .4038 | .4038 |
| 166-463023-4E | SPEAKER 2" X 3-1/2" 16 OHM 3W K.T. | | 0 | 2.00000 | .9231 | 1.8462 |
| 172-522032-42 | UL 1672 DOUBLE INSULATION WIRE#22 320MM RED 10 X 10MM MAIN P.C.B. 'X' TO 'X' | PC | 0 | 1.00000 | .0319 | .0319 |
| 172-522034-46 | UL 1672 DOUBLE INSULATION WIRE#22 340MM BLUE 10 X 10MM MAIN P.C.B. 'Y' TO 'Y' | PC | 0 | 1.00000 | .0382 | .0382 |
| 172-620007-40 | UL 1007 TOP COAT WIRE #20 70MMBLACK 5 X 5 MM 1 FOR MAIN PCB 'Q' TO 'Q',1 FOR IC401 GND TO GND | PC | 0 | 2.00000 | .0064 | .0129 |
| 172-620012-40 | UL 1007 TOP COAT WIRE AWG 20 120MM BLACK 10 X 10 MM MAIN P.C.B. 'J' TO 'J' | PC | 0 | 1.00000 | .0101 | .0101 |
| 172-620014-40 | UL 1007 TOP COAT WIRE AWG 20 140MM BLACK 10 X 10 MM MAIN P.C.B. 'E' TO 'E' | PC | 0 | 1.00000 | .0119 | .0119 |
| 172-626006-44 | UL 1007 TOP COAT WIRE AWG 26 60 MM YELLOW 10 X 10 MM MAIN P.C.B. 'V4' TO LED P.C.B. '2' | PC | 0 | 2.00000 | .0024 | .0049 |
| 172-626006-44 | UL 1007 TOP COAT WIRE AWG 26 60 MM YELLOW 10 X 10 MM C404 GND TO DOUBLE SHIELD WIRE 'A,B' GND | PC | 0 | .00000 | .0024 | .0000 |
| 172-626008-40 | UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM Q904 LUG TO MAIN PCB 'L',IC401 LUG TO MAIN PCB 'M' | PC | 0 | 3.00000 | .0030 | .0090 |
| 172-626008-40 | UL 1007 TOP COAT WIRE AWG 26 80MM BLACK 10 X 10 MM Q402 LUG TO MAIN PCB 'K' | PC | 0 | .00000 | .0030 | .0000 |

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

Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 16 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 172-626012-44 | UL 1007 TOP COAT WIRE AWG 26 120MM YELLOW 10 X 10 MM MAIN P.C.B. 'F' TO 'F' | PC | 0 | 1.00000 | .0042 | .0042 |
| 172-626014-40 | UL 1007 TOP COAT WIRE AWG 26 140MM BLACK 10 X 10 MM MAIN P.C.B. 'A2' TO 'A2' | PC | 0 | 1.00000 | .0041 | .0041 |
| 172-626014-43 | UL 1007 TOP COAT WIRE AWG 26 140MM ORANGE 10 X 10 MM MAIN P.C.B. '2' TO '2' | PC | 0 | 1.00000 | .0034 | .0034 |
| 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 | .0048 |
| 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 | .0071 |
| 172-626022-46 | UL 1007 TOP COAT WIRE AWG 26 220MM BLUE 10 X 10 MM MAIN P.C.B. 'P' TO 'P', 'I' TO 'I' | PC | 0 | 2.00000 | .0063 | .0125 |
| 172-726000-99 | BARE WIRE 54MM W001-005,007-035,037-072,074-083,085-087 | M | 0 | 5.50000 | .0092 | .0508 |
| 172-726000-99 | BARE WIRE 54MM W089,091-093,096,808-809,812,815,818-820,813,816 | M | 0 | .00000 | .0092 | .0000 |
| 172-726000-99 | BARE WIRE 54MM 001,004-006 FOR STEREO BOARD | M | 0 | .00000 | .0092 | .0000 |
| 172-830120-99 | FLAT BRIDED WIRE CRT GROUND | PC | 0 | 1.20000 | .1365 | .1638 |
| 173-622018-40 | SINGLE SHIELD WIRE AWG 26 180MM MAIN P.C.B. 'O' TO 'O' | PC | 0 | 1.00000 | .0901 | .0901 |
| 174-611017-50 | DOUBLE SHIELD WIRE AWG 26 180MM BLACK MAIN P.C.B. 'A.B' TO 'A.B', 'G.H' TO 'G.H' | PC | 0 | 2.00000 | .0558 | .1115 |
| 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 | .0048 |
| 179-001010-00 | OIL SLEEVING 1 MM DIA. L=80MM,20MM FOR D904,20MM FOR BR901,20MM-C150,149 | M | 0 | .08000 | .0001 | .0000 |
| 179-001010-00 | OIL SLEEVING 1 MM DIA. 20MM FOR C404 | M | 0 | .00000 | .0001 | .0000 |
| 179-105000-00 | UL PVC TUBE 5MM DIA L=60MM FOR AC LINE CORD | M | 0 | .06000 | .1865 | .0112 |
| 179-105000-00 | UL PVC TUBE 5MM DIA L=950MM, 400MM SPK. 'L', 550MM FOR SPK. 'R' | M | 0 | .95000 | .1865 | .1772 |
| 182-233150-03 | FUSE T3.15A 250V F901 | PC | 0 | 1.00000 | .1027 | .1027 |
| 190-882000-09 | STEREO P.C.B. (051294) | PC | 0 | 1.00000 | .2827 | .2827 |
| 190-882004-00 | P.C. BOARD CRT (220393) | PC | 0 | 1.00000 | .2712 | .2712 |
| 190-882004-05 | TELETEXT P.C.B. (110393) | PC | 0 | 1.00000 | .3288 | .3288 |
| 190-942002-01 | MAIN P.C.B. BOARD (281194) | | 0 | 1.00000 | 2.4577 | 2.4577 |
| 190-942100-10 | LED BOARD (LED X3) (190994) | | 0 | 1.00000 | .0192 | .0192 |
| 191-100034-09 | 1 PIN SOCKET ASSM'Y L=220MM CRT GND TO CN501 | PC | 0 | 1.00000 | .0429 | .0429 |
| 191-200044-09 | 2 PIN SOCKET ASSM'Y L=440MM CN201 '2' TO SPEAKER L '-', '1' TO SPEAKER L '+' | PC | 0 | 1.00000 | .0442 | .0442 |
| 191-300040-09 | 3 PIN SOCKET ASSM'Y CN402 '1' TO CRT PCB 'J' | PC | 0 | 1.00000 | .1275 | .1275 |
| 191-300040-09 | 3 PIN SOCKET ASSM'Y CN402 '2' TO CRT PCB 'I' | PC | 0 | .00000 | .1275 | .0000 |

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Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 17 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|--|------|------|-------------------|------------|--------|
| 191-300040-09 | 3 PIN SOCKET ASSM'Y CN402 '3' TO CRT PCB 'H' | PC | 0 | .00000 | .1275 | .0000 |
| 191-301005-07 | 3 PINS SOCKET ASS'Y (2 WIRE) L=560MM CN202 '2' TO SPEAKER R '-', '1' TO SPEAKER R '+' | PC | 0 | 1.00000 | .0542 | .0542 |
| 191-301021-07 | 3 PIN SOCKET ASSM'Y L=180MM CN003 '1' TO LED P.C.B. '4', '2'TO'1', '3'TO'3' | | 0 | 1.00000 | .0519 | .0519 |
| 191-301204-07 | 3 PIN SOCKET ASSM'Y CN004 '1' TO CN306 '1', '2' TO '2', '3' TO '3' | PC | 0 | 2.00000 | .1020 | .2041 |
| 191-301204-07 | 3 PIN SOCKET ASSM'Y CN005 '1' TO CN307 '1', '2' TO '2', '3' TO '3' | PC | 0 | .00000 | .1020 | .0000 |
| 191-301205-07 | 3 PINS SOCKET ASS'Y L=100MM CN002 '1' TO CN304 '1', '2' TO '2', '3' TO '3' | PC | 0 | 1.00000 | .0883 | .0883 |
| 191-301214-07 | 3 PIN SOCKET ASS'Y L=240MM CN606 TO CN803 | PC | 0 | 1.00000 | .0990 | .0990 |
| 191-301215-07 | 3 PIN SOCKET ASS'Y L=460MM CN302 TO CN802 | PC | 0 | 1.00000 | .1069 | .1069 |
| 191-401201-07 | 4 PINS SOCKET ASS'Y L=60MM CN303 '1' TO CN001 '1', '2'TO'2', '3'TO'3', '4'TO'4' | PC | 0 | 1.00000 | .1154 | .1154 |
| 191-500048-09 | 5 PIN SOCKET ASSM'Y CN203 '1' TO CRT PCB 'A' | PC | 0 | 1.00000 | .1135 | .1135 |
| 191-500048-09 | 5 PIN SOCKET ASSM'Y CN203 '2' TO CRT PCB 'B' | PC | 0 | .00000 | .1135 | .0000 |
| 191-500048-09 | 5 PIN SOCKET ASSM'Y CN203 '3' TO CRT PCB 'C' | PC | 0 | .00000 | .1135 | .0000 |
| 191-500048-09 | 5 PIN SOCKET ASSM'Y CN203 '4' TO CRT PCB 'D' | PC | 0 | .00000 | .1135 | .0000 |
| 191-500048-09 | 5 PIN SOCKET ASSM'Y CN203 '5' TO CRT PCB 'E' | PC | 0 | .00000 | .1135 | .0000 |
| 191-601203-07 | 6 PIN SOCKET ASS'Y L=460MM CN301 TO CN801 | PC | 0 | 1.00000 | .2154 | .2154 |
| 504-305006-10 | MACHINE SCREW 3 X 6 B/M 1- IC901,2-IC201 | PC | 0 | 3.00000 | .0012 | .0035 |
| 514-400412-10 | SELF-TAPPING SCREW 4 X 12 B/T (HARDEN) FOR FBT | PC | 0 | 1.00000 | .0040 | .0040 |
| 514-400425-10 | SELF-TAPPING SCREW 4 X 25 B/T (HARDEN) FOR CAB. FRONT & REAR | PC | 0 | 2.00000 | .0094 | .0188 |
| 515-303408-10 | SELF-TAPPING SCREW 3 X 8 W/B/T (HARDEN) 8 FOR SPEAKER MTG., 2 FOR TELTEXT BOARD MTG. | PC | 0 | 10.00000 | .0033 | .0327 |
| 515-303410-10 | SELF-TAPPING SCREW 3 X 10 W/B/T (HARDEN) 2 FOR PUSH BUTTON | PC | 0 | 2.00000 | .0035 | .0069 |
| 516-500435-10 | SEIF-TAPPING SCREW 5X35 P/T (HARDEN) FOR CAB. MTG | | 0 | 4.00000 | .0192 | .0769 |
| 517-303312-10 | SELF-TAPPING SCREW 3 X 12 W/A W/H=7MM (HARDEN) FOR HEAT SINK (A) , (B) & (C) | PC | 0 | 3.00000 | .0032 | .0097 |
| 524-932901-01 | CRT MOUNTING SCREW 7 X 40 VP (HARDEN) FOR CRT MTG. | PC | 0 | 4.00000 | .0769 | .3077 |
| 540-020040-01 | BRASS EYELET 2X4MM FOR AC LINE CORD-2, (X)(Y)-4 | PC | 0 | 6.00000 | .0010 | .0061 |
| 580-101261-01 | CABLE TIE L=100MM FOR CRT BOARD , CONNECTOR , POWER SWITCH BOARD-3 | PC | 0 | 13.00000 | .0037 | .0475 |

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Print Date : 21/01/95 PRODUCT CODE : 94219T-080002-TV
 Page Number : 18 DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit | Subs | Quantity Required | Unit Price | Amount |
|----------------|---|------|------|-------------------|------------|--------|
| 622-882802-00 | FELT L240 X W17 X T0.5MM FOR REAR CAB. | | | 5.00000 | .0692 | .3462 |
| 630-115512-00 | FIBER WASHER 11 X 5.5 X 1.2 MM FOR STEREO BOARD | | | 4.00000 | .0048 | .0192 |
| 744-881301-00 | SPRING FOR C.R.T. MOUNTING 5.2 X 42 X 0.6MM | | | 1.00000 | .0481 | .0481 |
| 746-063101-00 | TEST PIN:TOTAL LENGTH 18.6MM THK:0.8MM TP104,103 | PC | | 2.00000 | .0052 | .0104 |
| 750-063101-00 | SOLDERING LUG LEG:8X4MM FOR IC401,Q402,Q904 | PC | | 3.00000 | .0023 | .0069 |
| 750-063102-01 | 35MM SOLDERING LUG OD:7 ID:3.2 LEG:4X35MM FOR SPK WIRE | | | 2.00000 | .0087 | .0173 |
| 762-932001-00 | MOUNTING CLIP FOR TELETEXT MTG. | | | 2.00000 | .0327 | .0654 |
| 766-686801-00 | FUSE HOLDER F901 | | | 2.00000 | .0135 | .0269 |
| 777-942101-00 | SPRING IN 8.4 X L18 FOR POWER KNOB | | | 1.00000 | .0081 | .0081 |
| 779-882001-01 | IRON HEAT SINK (D) FOR IC901 | | | 1.00000 | .0554 | .0554 |
| 779-932902-00 | IRON HEAT SINK FOR IC201 | | | 1.00000 | .1462 | .1462 |
| 781-882001-02 | ALUMINIUM HEAT SINK (B) FOR Q402 | | | 1.00000 | .2115 | .2115 |
| 781-892001-00 | ALUMINIUM HEAT SINK (C) FOR IC401 | | | 1.00000 | .2385 | .2385 |
| 781-942101-00 | HEAT SINK (A) FOR Q904 | | | 1.00000 | .5404 | .5404 |
| 783-881306-01 | SHIELD CAN COVER | | | 1.00000 | .1074 | .1074 |
| 783-881313-00 | SHIELD CAN | | | 1.00000 | .1784 | .1784 |
| 800-942111-00 | POLYFOAM - TOP LEFT | | | 1.00000 | .4019 | .4019 |
| 800-942112-00 | POLYFOAM - TOP RIGHT | | | 1.00000 | .4019 | .4019 |
| 800-942113-00 | POLYFOAM - BOTTOM LEFT | | | 1.00000 | .3808 | .3808 |
| 800-942114-00 | POLYFOAM - BOTTOM RIGHT | | | 1.00000 | .3808 | .3808 |
| 810-051104-13 | POLYBAG 5" X 11" X 0.04 MM W/ RE-CYCLING MARK FOR AC LINE CORD | | | 1.00000 | .0085 | .0085 |
| 810-091504-13 | POLYBAG 9" X 15" X 0.04MM W/ RE-CYCLING MARK FOR INSTRUCTION MANUAL | | | 1.00000 | .0163 | .0163 |
| 834-230801-00 | RUBBER WASHER OD=23 , ID=8 , T=1.0 FOR CRT MTG. | | | 4.00000 | .0192 | .0769 |
| 834-230805-00 | RUBBER WASHER OD=23 ID=8 T=0.5 CRT MTG. (LOWER) | | | 2.00000 | .0115 | .0231 |
| 840-011024-21 | PAD CORD L240 X W10 X T1 MM W/TAPE BETWEEN CRT AND FRONT CAB. | | | 6.00000 | .0423 | .2538 |
| 929-942101-00 | LED HOLDER BKT FOR LED 601,602,603 | | | 1.00000 | .0248 | .0248 |
| 938-882001-00 | SECAM BOARD HOLDER FOR STEREO BOARD | | | 4.00000 | .0346 | .1385 |
| 939-942101-00 | POWER KNOB ADAPTOR | | | 1.00000 | .0221 | .0221 |
| 954-882100-00 | AC LINE CORD CLIP | | | 1.00000 | .0329 | .0329 |

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Print Date : 21/01/95

PRODUCT CODE : 94219T-080002-TV

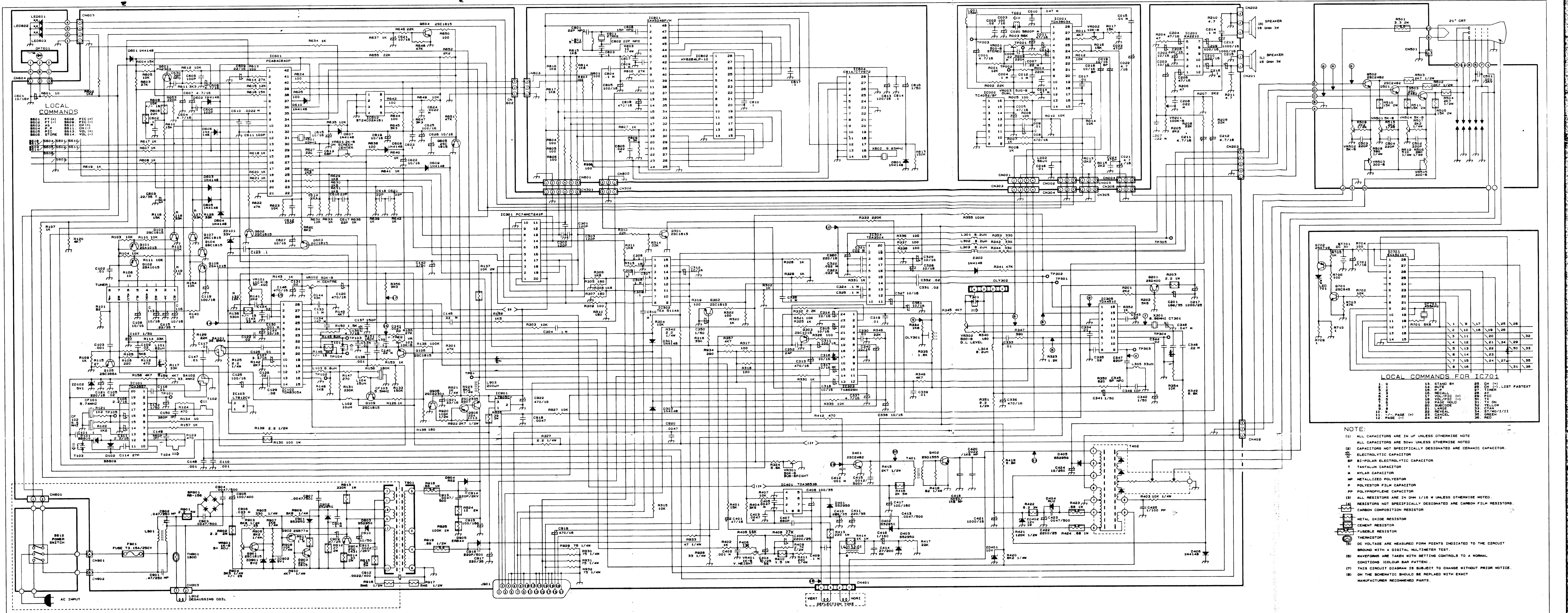
Page Number : 19

DESCRIPTION : 9421B PAL/BG W/SCART/F.TXT/STEREO M.B. 240V SAA CPU'322'TEAC

| Component Part | Description / Location | Unit Subs | Quantity Required | Unit Price | Amount |
|----------------|---|-----------|-------------------|------------|--------|
| 954-892001-00 | HIGH VOLTAGE SPACER FOR CRT | 0 | 1.00000 | .0552 | .0552 |
| 977-882001-01 | PUSH BUTTON - BLACK MOULDED <i>VOLUME BUTTONS/CHANNEL</i> | .0 | 1.00000 | .0417 | .0417 |
| 991-942110-01 | POWER KNOB(B)ABS BLACK MOULDED | 0 | 1.00000 | .0221 | .0221 |

ASSB PRICE : 96.5525

TOTALA PRICE : 132.5216



LOCAL COMMANDS

| | | | | |
|------|-----|-----|-----|---|
| IC01 | FT | 880 | PIC | 1 |
| IC01 | AS | 881 | CH | 1 |
| IC01 | PIC | 882 | CH | 1 |
| IC01 | PIC | 883 | VOL | 1 |
| IC01 | PIC | 884 | CH | 1 |
| IC01 | PIC | 885 | CH | 1 |
| IC01 | PIC | 886 | CH | 1 |
| IC01 | PIC | 887 | CH | 1 |
| IC01 | PIC | 888 | CH | 1 |
| IC01 | PIC | 889 | CH | 1 |
| IC01 | PIC | 890 | CH | 1 |
| IC01 | PIC | 891 | CH | 1 |
| IC01 | PIC | 892 | CH | 1 |
| IC01 | PIC | 893 | CH | 1 |
| IC01 | PIC | 894 | CH | 1 |
| IC01 | PIC | 895 | CH | 1 |
| IC01 | PIC | 896 | CH | 1 |
| IC01 | PIC | 897 | CH | 1 |
| IC01 | PIC | 898 | CH | 1 |
| IC01 | PIC | 899 | CH | 1 |
| IC01 | PIC | 900 | CH | 1 |

LOCAL COMMANDS FOR IC701

| | | | | |
|-------|----------|----|----|---|
| IC701 | STAND BY | 10 | CH | 1 |
| IC701 | RECALL | 11 | CH | 1 |
| IC701 | RECALL | 12 | CH | 1 |
| IC701 | RECALL | 13 | CH | 1 |
| IC701 | RECALL | 14 | CH | 1 |
| IC701 | RECALL | 15 | CH | 1 |
| IC701 | RECALL | 16 | CH | 1 |
| IC701 | RECALL | 17 | CH | 1 |
| IC701 | RECALL | 18 | CH | 1 |
| IC701 | RECALL | 19 | CH | 1 |
| IC701 | RECALL | 20 | CH | 1 |
| IC701 | RECALL | 21 | CH | 1 |
| IC701 | RECALL | 22 | CH | 1 |
| IC701 | RECALL | 23 | CH | 1 |
| IC701 | RECALL | 24 | CH | 1 |
| IC701 | RECALL | 25 | CH | 1 |
| IC701 | RECALL | 26 | CH | 1 |
| IC701 | RECALL | 27 | CH | 1 |
| IC701 | RECALL | 28 | CH | 1 |
| IC701 | RECALL | 29 | CH | 1 |
| IC701 | RECALL | 30 | CH | 1 |

- NOTE:**
- ALL CAPACITORS ARE IN UF UNLESS OTHERWISE NOTED
 - ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED
 - CAPACITORS NOT SPECIFICALLY DESIGNATED ARE CERAMIC CAPACITOR
 - ELECTROLYTIC CAPACITOR
 - BI-POLAR ELECTROLYTIC CAPACITOR
 - TANTALUM CAPACITOR
 - MILAR CAPACITOR
 - METALLIZED POLYESTER
 - POLYESTER FILM CAPACITOR
 - POLYPROPYLENE CAPACITOR
 - ALL RESISTORS ARE IN OHM 1/10 W UNLESS OTHERWISE NOTED
 - RESISTORS NOT SPECIFICALLY DESIGNATED ARE CARBON FILM RESISTORS
 - CARBON COMPOSITION RESISTOR
 - METAL OXIDE RESISTOR
 - CEMENT RESISTOR
 - FUSIBLE RESISTOR
 - THERMISTOR
 - DC VOLTAGE ARE MEASURED FROM POINTS INDICATED TO THE CIRCUIT
 - GROUND WITH A DIGITAL MULTIMETER TEST.
 - WAVEFORMS ARE TAKEN WITH SETTING CONTROLS TO A NORMAL CONDITIONS (ICOLOR BAR PATTERN).
 - THIS CIRCUIT DIAGRAM IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
 - ON THE SCHEMATIC SHOULD BE REPLACED WITH EXACT MANUFACTURER RECOMMENDED PARTS.

