

SAFETY PRECAUTIONS

SERVICE WARNING

Only qualified service technicians who are familiar with safety checks and guidelines should perform service work. Before replacing parts, disconnect power source to protect electrostatically sensitive parts. Do not attempt to modify any circuit unless so recommended by the manufacturer. When servicing the receiver, use an isolation transformer between the line cord and power receptacle.

SERVICING THE HIGH VOLTAGE AND CRT

Use EXTREME CAUTION when servicing the high voltage circuits. To discharge static high voltage, connect a 10K ohms resistor in series with a test lead between the receiver and CRT anode lead. DO NOT lift the CRT by the neck. Always wear shatterproof goggles when handling the CRT to protect eyes in case of implosion.

X-RAY RADIATION AND HIGH VOLTAGE LIMITS

Be aware of the instructions and procedures covering X-ray radiation. In solid-state receivers and monitors, the CRT is the only potential source of X-rays. Keep an accurate high voltage meter available at all times. Check meter calibration periodically. Whenever servicing a receiver, check the high voltage at various brightness levels to be sure it is regulating properly. Keep high voltage at rated value, NO HIGHER. Excessive high voltage may cause X-ray radiation or failure of associated components. DO NOT depend on protection circuits to keep voltage at rated value. When troubleshooting a receiver with excessive high voltage, avoid close contact with the CRT. DO NOT operate the receiver longer than necessary. To locate the cause of excessive high voltage, use a variable AC transformer to regulate voltage. In present receivers, many electrical and mechanical components have safety related characteristics which are not detectable by visual inspection. Such components are identified by a # on both the schematic and the parts list. For SAFETY, use only equivalent replacement parts when replacing these components.

GENERAL GUIDELINES

Perform a final SAFETY CHECK before returning receiver to customer. Check repaired area for poorly soldered connections, and check entire circuit board for solder splashes. Check inner board wiring for pinched wires or wires contacting any high wattage resistors. Check that all control knobs, shields, covers, grounds, and mounting hardware have been replaced. Be sure to replace all insulators and restore proper lead dress.

| TEST JIG HOOKUP |                          |                   |     |        |
|-----------------|--------------------------|-------------------|-----|--------|
| Function        | Chek-A-Color Adapter No. | PC Board Plug No. | Pin | Color  |
| CRT             | B239                     | KX                | 1   | Red    |
| Yoke            | D4137                    |                   | 3   | Blue   |
| Yoke Setting    | YP1                      |                   | 4   | Yellow |
| Comments        | Focus Tap                |                   | 5   | Green  |

The listing of any available replacement part herein in no case constitutes a recommendation, warranty, or guarantee by Howard W. Sams & Company as to the quality and suitability of such replacement part. The numbers of the listed parts have been compiled from information furnished to Howard W. Sams & Company by the manufacturers of the specific type of replacement part listed.

Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein.

©1999 by Howard W. Sams & Company  
A Bell Atlantic Company  
2647 Waterfront Parkway East Drive, Suite 100  
Indianapolis, IN 46214-2041

Printed in the United States of America 5 4 3 2 1

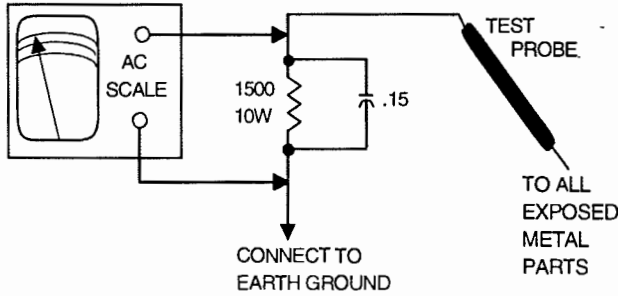
SAFETY CHECKS -- FIRE AND SHOCK HAZARD

Cold Leakage Checks for Receivers with Isolated Ground

Unplug the AC cord, connect a jumper across the plug prongs, and turn the power switch on (if applicable). Use an ohmmeter to measure the resistance between the jumped AC plug and any exposed metal cabinet parts such as antenna screw heads, control shafts, or handle brackets. Exposed metal parts with a return path should measure between 1M ohms and 5.2M ohms. Parts without a return path must measure infinity.

Hot Leakage Current Check

Plug the AC cord directly into an AC outlet. DO NOT use an isolation transformer. Use a 1500 ohms, 10W resistor in parallel with a .15µF capacitor to connect between any exposed metal parts on the receiver and a good earth ground. (See figure below.) Use an AC voltmeter with at least 5000 ohms per volt sensitivity to measure the voltage across the resistor. Check all exposed metal parts and measure voltage at each point. Voltage measurements should not exceed .75VAC, 500µA. Any value exceeding this limit constitutes a potential shock hazard and must be corrected. If the AC plug is not polarized, reverse the AC plug and repeat exposed metal part voltage measurement at each point.



**HIGH VOLTAGE SHUTDOWN TEST**

Apply 120VAC, turn the receiver on, and set all customer controls for normal operation. Measure the voltage at TP7. Voltage should measure between 16.5V and 21.0V. If voltage exceeds this range the shut down circuit must be repaired. Momentarily connect a jumper between TP7 and the cathode of D421. The receiver should lose raster and sound. If receiver does not lose raster and sound, the shutdown circuit should be repaired. To resume normal operation, remove AC power, wait 30 seconds, and then turn the receiver on.



99PF01441



0 81262 04088 1

PHOTOFACT® Technical Service Data

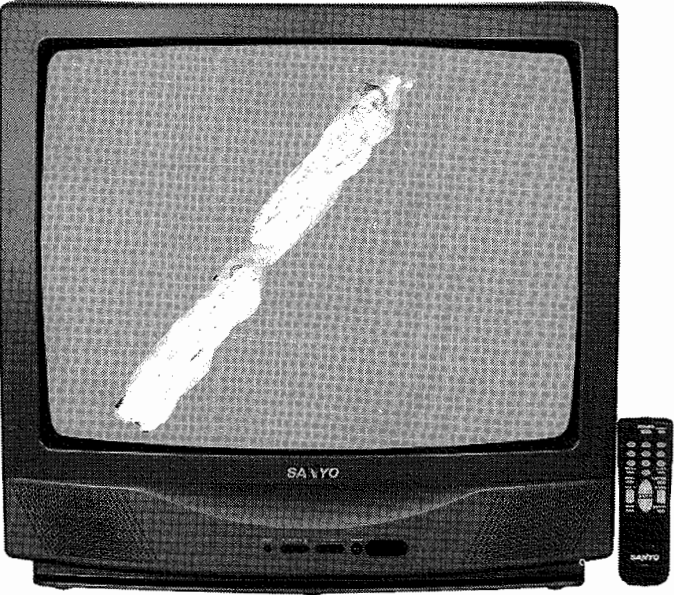
SET 4088

MODEL AVM-2508G (CHASSIS G5C-2508G0)

SANYO

| INDEX                        |      |
|------------------------------|------|
| GridTrace Location           |      |
| Main Board                   | 3    |
| High Voltage Shutdown Test   | 1    |
| IC Functions                 | 1    |
| Important Parts Information  | 4    |
| Miscellaneous Adjustments    | 1    |
| Parts List                   | 3, 4 |
| Placement Chart              | 1    |
| Safety Precautions           | 1    |
| Schematic Component Location | 2    |
| Schematic Notes              | 1    |
| Schematics                   |      |
| Power Supply                 | 2    |
| System Control               | 2    |
| Television                   | 2    |
| Test Equipment               | 4    |
| Test Jig Hookup              | 1    |
| Troubleshooting              | 1    |
| Tuner Information            | 1    |

SANYO  
Model AVM-2508G (Chassis G5C-2508G0)



Complete coverage  
for servicing a television receiver...

- Schematics
- Component locations
- Parts list
- Troubleshooting guide

Coverage includes these additional models and chassis:

| MODELS    | CHASSIS    |
|-----------|------------|
| AVM-2508C | G5C-2508C0 |
| AVM-2508S | G5C-2508S0 |
| AVM-2538C | G5C-2538C0 |

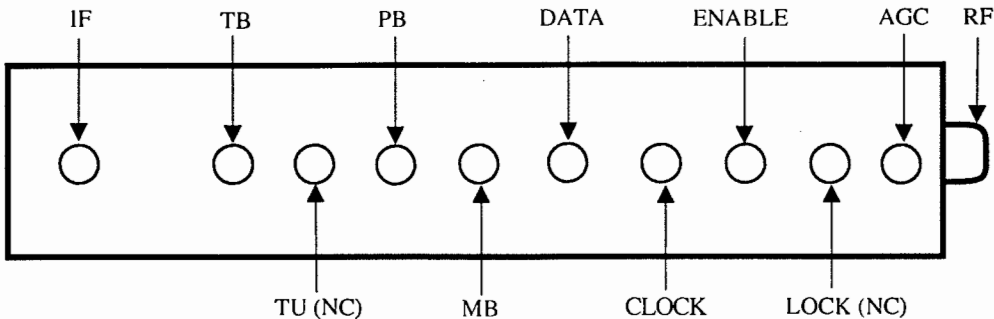
  
**HOWARD W. SAMS & COMPANY**  
JANUARY 1999 SET 4088

TUNER INFORMATION

| TUNER VOLTAGE CHART |              |               |          |
|---------------------|--------------|---------------|----------|
| Pin                 | VHF Low Band | VHF High Band | UHF Band |
| AGC                 | 5.0V         | 4.2V          | 4.1V     |
| LOCK (NC)           | 1.9V         | 4.4V          | 5.8V     |
| ENABLE              | .1V          | .1V           | .1V      |
| CLOCK               | 0V           | 0V            | 0V       |
| DATA                | 0V           | 5.2V          | 0V       |
| MB                  | 9.0V         | 9.0V          | 9.0V     |
| PB                  | 5.0V         | 5.0V          | 5.0V     |
| TU (NC)             | 0V           | 0V            | 0V       |
| TB                  | 33.0V        | 33.0V         | 33.0V    |
| IF                  | 0V           | 0V            | 0V       |

NOTE: VHF Low Band voltages taken on channel 2.  
VHF High Band voltages taken on channel 7.  
UHF Band voltages taken on channel 14.

TUNER TERMINAL GUIDE



SCHEMATIC NOTES

# For SAFETY use only equivalent replacement part, see parts list.

- ✕ Circuitry not used in some versions.
- Circuitry used in some versions.
- ⏏ Ground
- ⏏ Chassis ground
- ⏏ Common tie point
- △ Taken from common tie point
- 3 Schematic CIRCUI TRACE ® Voltage source tie point.
- A— Cabling: Heavy lines reduce use of multiple lines.

Waveforms and voltages are taken from ground, unless noted otherwise.  
Waveforms taken with triggered scope and colorbar signal. Waveform voltage is peak to peak. Timebase is per division. Waveforms shown at 10 divisions. Supply voltages maintained as seen at input. Voltages measured with digital meter and a 1000µV RF signal, with colorbar pattern, applied to antenna terminal. Controls adjusted for normal operation. Capacitors are 50 volts or less, 5% or greater unless noted. Electrolytic capacitors are 50 volts or less, 20% or greater unless noted. Resistors are 1/2W or less, 5% or greater unless noted. Value in ( ) used in some versions. Measurements with switching as shown, unless noted. Rated voltage shown on zener diodes.

TROUBLESHOOTING

POWER SUPPLY

Check F601. If F601 is open, check D602 thru D605, C601, C604, C605, C606, and IC601. Apply 120VAC and check for 5.0V at the emitter of Q622. If the voltage is incorrect or missing, check LF601, D621, D623, and Q622. Turn receiver on and check for 130V at pin 4 of IC601. If voltage is missing, check IC601, Q621, Q623, RL601, R601, and D602 thru D605. If 130V is present, refer to "Horizontal" section of this Troubleshooting guide.

HIGH VOLTAGE SHUTDOWN

NOTE: Care should be taken in defeating the high voltage shutdown circuit as this may cause excessive X-Ray radiation and damage to the CRT and T402. Monitor the high voltage and troubleshoot.  
The high voltage from T402 is monitored and rectified by D482. Should the high voltage increase, the voltage at the cathode of D422 will also increase and trigger D422 and D421. This will cause the deflection portion of IC101 to shut down the horizontal drive signal at pin 23 of IC101, causing the receiver to lose sound and raster. To troubleshoot, remove R482 and supply 90VAC with an adjustable AC transformer. Increase voltage as necessary to isolate and repair the malfunction. Return R482 to the circuit.

Voltages Taken in Shutdown

| IC101  |     |
|--------|-----|
| Pin 23 | 0V  |
| Pin 24 | 0V  |
| Pin 25 | .7V |

HORIZONTAL

Determine if the TV is in shutdown, refer to the "High Voltage Shutdown" section of this Troubleshooting guide. If TV is not in shutdown, inject a horizontal signal at base of Q402. If horizontal deflection is now present, check Q401, T401, and pins 19 and 23 thru 27 of IC101. If horizontal deflection is still missing, check Q402, D481, D483, D484, D486, D491, IC481, Q491, and T402. The high voltage rectifier is part of T402 and if defective will affect the performance of the horizontal circuits. Width or foldover problems may be caused by C411, C413, C414, and L413 being defective.

VERTICAL

Inject a vertical signal at pin 5 of IC501. If vertical deflection is present, check pin 17 of IC101. If there is still no vertical deflection, check IC501 and the deflection yoke. Vertical linearity or foldover problems may be caused by sweep shaping and bias circuits, check C502, C503, C504, and C516.

IF AGC

Inject a video IF signal at the IF input and check for video on the CRT. If video is present, check the tuner and tuner control circuits. If video is missing on the CRT, check for a video waveform at pin 45 of IC101. If video waveform is present, refer to the "Video" section of this Troubleshooting guide. Apply AGC bias to pin 12 of IC101 and check for a video waveform at pin 45 of IC101. If video waveform is present, check pins 6, 12, and 45 of IC101. If there is no video waveform, check IC101.

VIDEO/CHROMA

Inject a video signal at pin 45 of IC101 and check for video on CRT. If video is present refer to the "IF AGC" section of this Troubleshooting guide. If there is no video on CRT, check for video waveform at pin 38 of IC101, if video waveform is missing, check pins 47 and 42 of IC101 and Q202. If the waveform is present at pin 38 of IC101, check for chroma waveforms at pins 28, 29, and 30 of IC101. If the proper waveforms are missing, check IC101. If the proper waveforms are present, refer to the "Raster" section of this Troubleshooting guide. Check for 3.58MHz at pin 15 of IC101.

RASTER

Check the CRT and CRT voltages. If red is missing, check pin 28 of IC101 and Q705. If green is missing, check pin 29 of IC101 and Q703. If blue is missing, check pin 30 of IC101 and Q701. If the raster has a keystone shape, check the deflection yoke. If the raster has height or width problems, refer to the "Vertical," "Horizontal," and "Power Supply" sections of this Troubleshooting guide.

AUDIO

Tune in an active station and check for audio waveform at pin 4 of IC001. If waveform is missing, check pins 49 thru 52 of IC101. If waveform is present, check IC001.

POWER FAILURE DETECTOR

This receiver uses a power failure detector at pin 3 of IC801, which checks for an abnormal failure of power supply circuits. If an unexpected failure is caused by any one of three conditions, the receiver will shut itself off in about 1.5 seconds to prevent damage.

The three conditions are:

1. Failure within the power supply.
2. A short circuit on the load side of the power supply.
3. Stoppage of horizontal oscillation caused by shutdown circuits.

If power failure occurs three times within 15 minutes the power will shut itself off. To reset, remove power for 10 seconds or more.

## MISCELLANEOUS ADJUSTMENTS

### HIGH VOLTAGE CHECK

Tune in a picture. Set brightness, color, picture, and screen control to minimum. Connect a high voltage probe to CRT anode. High voltage should measure 17.5kV to 22kV.

### CONVERGENCE

Operate the receiver for 15 minutes. Connect a color bar generator to the antenna terminals and tune in a dot pattern. Adjust the 4-pole magnet tabs to converge the red and blue dots at the center of the screen. Adjust the 6-pole magnet tabs to converge the red/blue dots over the green dots at the center of the screen.

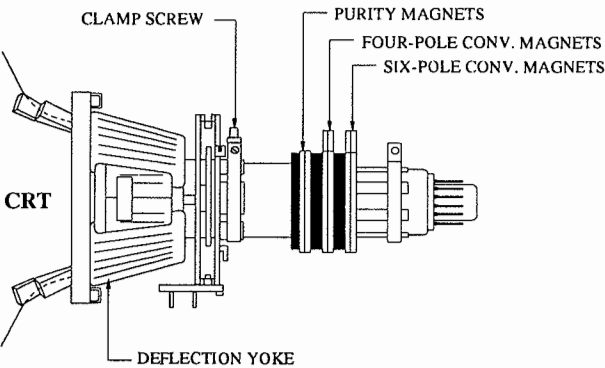
NOTE: Rotate the two tabs of each set of magnets equally and opposite to converge vertically and rotate both tabs in the same direction to converge horizontally. The 4-pole and 6-pole magnets interact, repeat adjustment until center convergence is correct.

Tune in a crosshatch pattern and remove the rubber wedges between the deflection yoke and the CRT. Tilt the deflection yoke up or down to converge the vertical lines at top and bottom of screen and the horizontal lines at the right and left sides of the screen. Tilt the deflection yoke right or left to converge horizontal lines at top and bottom of screen and the vertical lines at the right and left sides of the screen. Repeat convergence procedure if necessary to obtain best overall convergence. Apply adhesive to wedges and carefully replace on the CRT.

### PURITY

Operate the receiver for 15 minutes. Tune in a green raster. Use a degaussing coil to demagnetize the CRT and mounting brackets. Loosen the deflection yoke clamp screw and slide the deflection yoke backward to obtain a vertical green band. Rotate and spread the purity magnet tabs until the green band is centered on the screen. Move the deflection yoke forward to obtain a uniform green screen.

### CRT NECK ASSEMBLY



### ENTERING SERVICE MODE

Disconnect the AC power cord. While pressing the menu button on the front of the set, connect the AC power cord. Use the channel up and down buttons to select the service number. Use volume up and down buttons to change the value.

### EXIT SERVICE MODE

To exit service mode when finished making adjustments, press the menu button.

### HORIZONTAL POSITION

Tune in a crosshatch pattern. Enter the service mode and select service number 01. Set the value for the best horizontal centering.

### RF AGC DELAY

Tune in a picture. Enter the service mode and select service number 03. Set the value to a point where no snow (noise) appears in picture. Check all channels for proper operation.

### VERTICAL SIZE

Tune in a crosshatch pattern. Enter the service mode and select service number 07. Set the value to achieve proper vertical size and best vertical linearity.

### VERTICAL CENTERING

Tune in a crosshatch pattern. Check that the pattern is centered. If too low, install resistor R513 (470 ohms, 1W). If too high, install resistor R512 (470 ohms, 1W).

### GRAY SCALE

Tune in an active channel. Enter the service mode. Set the value of service numbers 08, 09, and 10 to 0. Set the value of service numbers 11 and 12 to 40. Select service number 26. Set screen control, color, brightness, and picture to minimum. Adjust screen control, if necessary, to obtain a barely visible horizontal line. Adjust the bias levels for a white line (See the Service Mode Adjustment Chart). Select service number 25 and adjust the drive values for normal black and white picture at all brightness levels (See the Service Mode Adjustment Chart).

### SUB BRIGHTNESS

Tune in a color bar pattern. Set picture and brightness to normal. Connect positive lead of a digital voltmeter to TP51 and the negative lead to TP50. Enter the service mode and select service number 19. Adjust value for 520mV  $\pm$ 10mV.

### SUB COLOR

Tune in a picture. Set color at center of its range level. Enter the service mode and select service number 20. Set the value to achieve normal color level.

### SUB TINT

Tune in a picture. Set tint at center of its range level. Enter the service mode and select service number 21. Set the value to achieve normal flesh tones.

### SUB SHARPNESS

Tune in a picture. Set brightness to minimum. Set picture to maximum. Enter the service mode and select service number 22. Set the value to achieve normal contrast range.

### OSD HORIZONTAL POSITION

Tune in a local channel. Enter the service mode and select service number 24. Set the value to center the menu on the screen.

### IC802 REPLACEMENT

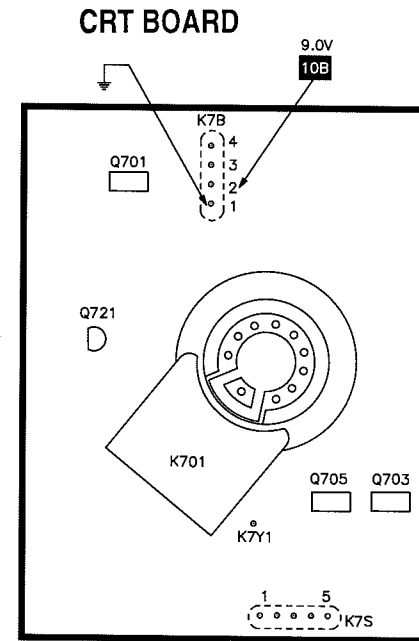
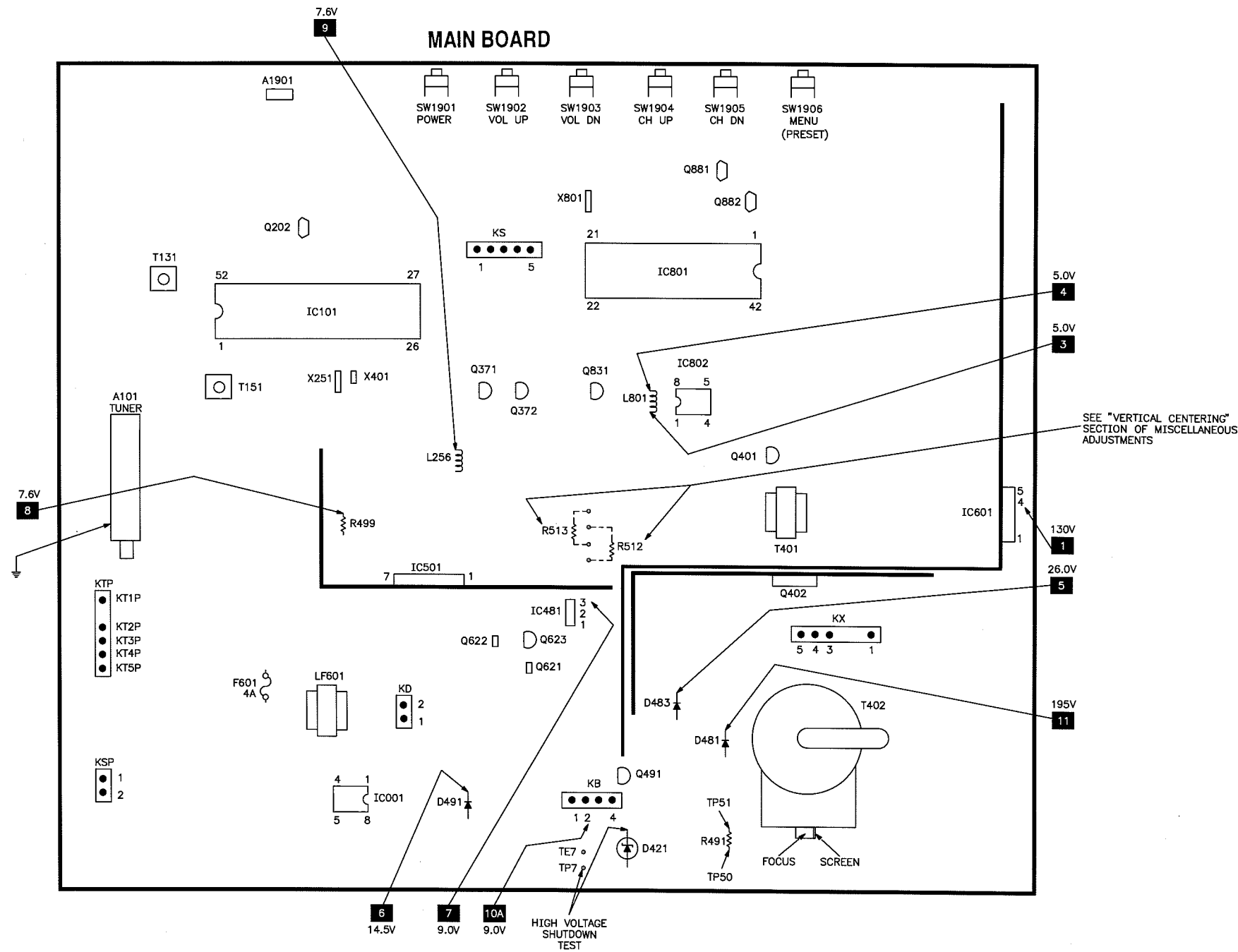
Perform the following adjustments after replacing IC802. Enter the service mode, select service number 11, and set value to 40. Select

service number 12 and set value to 40. Select service number 16 and set value to 3. Select service number 21 and set value to 16. Exit service mode.

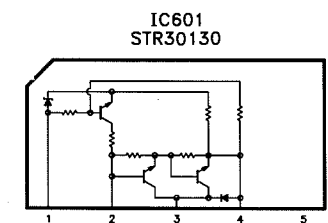
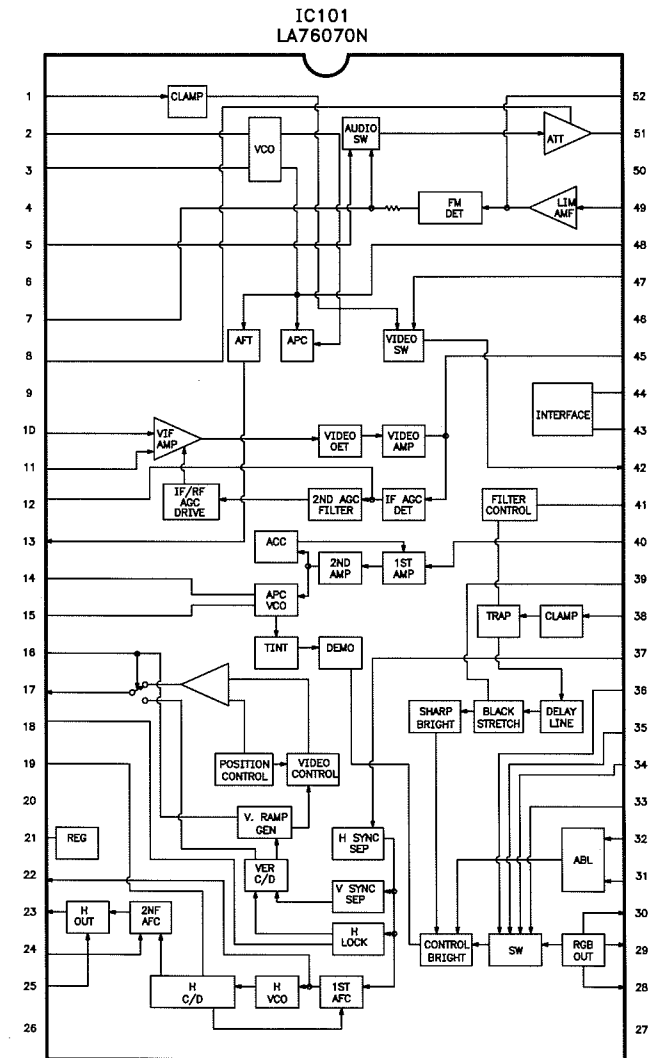
#### SERVICE MODE ADJUSTMENT CHART

| Service No. | Adjustment | Value Range | Initial Value | On-Set Value | Notes  |
|-------------|------------|-------------|---------------|--------------|--|
| 01          | HP         | 0 - 7       | 3             | 3            | H-Position (H-Centering)                                       |
| 02          | IAS        | 0, 1        | 0             | 0            | IF AGC Switch, 0 = TV (Normal), 1 = AV (IF Gain Minimum)       |
| 03          | RAD        | 0 - 63      | 45            | 35           | RF AGC Delay   |
| 04          | PT         | 0 - 127     | 64            | 69           | PLL Tuning   |
| 05          | ADA        | 0 - 63      | 31            | 31           | APC Detect   |
| 06          | CD         | 0, 1        | 0             | 0            | C-Diff   |
| 07          | VS         | 0 - 63      | 38            | 31           | Vertical Size  |
| 08          | RB         | 0 - 127     | 0             | 0            | Red Bias   |
| 09          | GB         | 0 - 127     | 0             | 9            | Green Bias   |
| 10          | BB         | 0 - 127     | 0             | 9            | Blue Bias  |
| 11          | RD         | 0 - 127     | 64            | 49           | Red Drive  |
| 12          | BD         | 0 - 127     | 64            | 36           | Blue Drive   |
| 13          | TDS        | 0, 1        | 1             | 1            | Trap & D (B.P.F.) Switch, 0 = Off, 1 = On                      |
| 14          | AF         | 0, 1        | 0             | 0            | Auto Flesh, 0 = Off, 1 = On                                    |
| 15          | BS         | 0, 1        | 0             | 0            | Black Stretch, 0 = On, 1 = Off                                 |
| 16          | VL         | 0 - 7       | 4             | 3            | Video Level  |
| 17          | FL         | 0 - 31      | 15            | 15           | FM Level   |
| 18          | NIS        | 0, 1        | 1             | 1            | Black Noise Inverter, 0 = On, 1 = Off                          |
| 19          | SB         | 0 - 63      | 32            | 25           | Sub Brightness   |
| 20          | SCO        | 0 - 31      | 12            | 12           | Sub Color  |
| 21          | STI        | 0 - 31      | 11            | 16           | Sub Tint   |
| 22          | SSH        | 0 - 15      | 8             | 8            | Sub Sharpness  |
| 23          | OPT        | 0 - 255     | 0             | 0            | Option, data should be in binary 8 bit 00000000.               |
| 24          | HR         | 0 - 63      | 47            | 47           | OSD H-Position   |
| 25          | DRV        | 0 - 127     | 64            | 49           | Red Drive, press 1 to decrease value and 3 to increase value.  |
|             | DRV        | 0 - 127     | 64            | 36           | Blue Drive, press 7 to decrease value and 9 to increase value. |
| 26          | -          | 0 - 127     | 0             | -            | Red Bias, press 1 to decrease value and 3 to increase value.   |
|             | -          | 0 - 127     | 0             | -            | Green Bias, press 4 to decrease value and 6 to increase value. |
|             | -          | 0 - 127     | 0             | -            | Blue Bias, press 7 to decrease value and 9 to increase value.  |

# PLACEMENT CHART



# IC FUNCTIONS



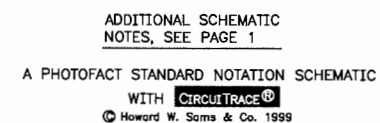
SANYO

MODEL AVM-2508G (CHASSIS G5C-2508G0)

## E

1                    T                    2                    T                    3                    T                    4                    T                    5                    T                    6                    T                    7                    T                    8

## D



# SYSTEM CONTROL SCHEMATIC

**A1901**

**REMOTE RECEIVER**

**IC801** M37272M8-100SP MICRO-PROCESSOR

**IC802** 24LC01B/P EEPROM

**Q831** 2SA1015 RESET

**Q371** 2SA1015 SWITCH

**Q372** 2SA1015 SWITCH

**Q881** 2SC1740 VERT SYNC

**Q882** 2SC1740 HORIZ SYNC

**IC101** (SEE PIN 25, 13, 6, 43, 18, 7, 24)

**IC102** (SEE PAGE 2C)

**IC103** (SEE PAGE 2C)

**IC104** (SEE PAGE 2C)

**IC105** (SEE PAGE 2C)

**IC106** (SEE PAGE 2C)

**IC107** (SEE PAGE 2C)

**IC108** (SEE PAGE 2C)

**IC109** (SEE PAGE 2C)

**IC110** (SEE PAGE 2C)

**IC111** (SEE PAGE 2C)

**IC112** (SEE PAGE 2C)

**IC113** (SEE PAGE 2C)

**IC114** (SEE PAGE 2C)

**IC115** (SEE PAGE 2C)

**IC116** (SEE PAGE 2C)

**IC117** (SEE PAGE 2C)

**IC118** (SEE PAGE 2C)

**IC119** (SEE PAGE 2C)

**IC120** (SEE PAGE 2C)

**IC121** (SEE PAGE 2C)

**IC122** (SEE PAGE 2C)

**IC123** (SEE PAGE 2C)

**IC124** (SEE PAGE 2C)

**IC125** (SEE PAGE 2C)

**IC126** (SEE PAGE 2C)

**IC127** (SEE PAGE 2C)

**IC128** (SEE PAGE 2C)

**IC129** (SEE PAGE 2C)

**IC130** (SEE PAGE 2C)

**IC131** (SEE PAGE 2C)

**IC132** (SEE PAGE 2C)

**IC133** (SEE PAGE 2C)

**IC134** (SEE PAGE 2C)

**IC135** (SEE PAGE 2C)

**IC136** (SEE PAGE 2C)

**IC137** (SEE PAGE 2C)

**IC138** (SEE PAGE 2C)

**IC139** (SEE PAGE 2C)

**IC140** (SEE PAGE 2C)

**IC141** (SEE PAGE 2C)

**IC142** (SEE PAGE 2C)

**IC143** (SEE PAGE 2C)

**IC144** (SEE PAGE 2C)

**IC145** (SEE PAGE 2C)

**IC146** (SEE PAGE 2C)

**IC147** (SEE PAGE 2C)

**IC148** (SEE PAGE 2C)

**IC149** (SEE PAGE 2C)

**IC150** (SEE PAGE 2C)

**IC151** (SEE PAGE 2C)

**IC152** (SEE PAGE 2C)

**IC153** (SEE PAGE 2C)

**IC154** (SEE PAGE 2C)

**IC155** (SEE PAGE 2C)

**IC156** (SEE PAGE 2C)

**IC157** (SEE PAGE 2C)

**IC158** (SEE PAGE 2C)

**IC159** (SEE PAGE 2C)

**IC160** (SEE PAGE 2C)

**IC161** (SEE PAGE 2C)

**IC162** (SEE PAGE 2C)

**IC163** (SEE PAGE 2C)

**IC164** (SEE PAGE 2C)

**IC165** (SEE PAGE 2C)

**IC166** (SEE PAGE 2C)

**IC167** (SEE PAGE 2C)

**IC168** (SEE PAGE 2C)

**IC169** (SEE PAGE 2C)

**IC170** (SEE PAGE 2C)

**IC171** (SEE PAGE 2C)

**IC172** (SEE PAGE 2C)

**IC173** (SEE PAGE 2C)

**IC174** (SEE PAGE 2C)

**IC175** (SEE PAGE 2C)

**IC176** (SEE PAGE 2C)

**IC177** (SEE PAGE 2C)

**IC178** (SEE PAGE 2C)

**IC179** (SEE PAGE 2C)

**IC180** (SEE PAGE 2C)

**IC181** (SEE PAGE 2C)

**IC182** (SEE PAGE 2C)

**IC183** (SEE PAGE 2C)

**IC184** (SEE PAGE 2C)

**IC185** (SEE PAGE 2C)

**IC186** (SEE PAGE 2C)

**IC187** (SEE PAGE 2C)

**IC188** (SEE PAGE 2C)

**IC189** (SEE PAGE 2C)

**IC190** (SEE PAGE 2C)

**IC191** (SEE PAGE 2C)

**IC192** (SEE PAGE 2C)

**IC193** (SEE PAGE 2C)

**IC194** (SEE PAGE 2C)

**IC195** (SEE PAGE 2C)

**IC196** (SEE PAGE 2C)

**IC197** (SEE PAGE 2C)

**IC198** (SEE PAGE 2C)

**IC199** (SEE PAGE 2C)

**IC200** (SEE PAGE 2C)

**IC201** (SEE PAGE 2C)

**IC202** (SEE PAGE 2C)

**IC203** (SEE PAGE 2C)

**IC204** (SEE PAGE 2C)

**IC205** (SEE PAGE 2C)

**IC206** (SEE PAGE 2C)

**IC207** (SEE PAGE 2C)

**IC208** (SEE PAGE 2C)

**IC209** (SEE PAGE 2C)

**IC210** (SEE PAGE 2C)

**IC211** (SEE PAGE 2C)

**IC212** (SEE PAGE 2C)

**IC213** (SEE PAGE 2C)

**IC214** (SEE PAGE 2C)

**IC215** (SEE PAGE 2C)

**IC216** (SEE PAGE 2C)

**IC217** (SEE PAGE 2C)

**IC218** (SEE PAGE 2C)

**IC219** (SEE PAGE 2C)

**IC220** (SEE PAGE 2C)

**IC221** (SEE PAGE 2C)

**IC222** (SEE PAGE 2C)

**IC223** (SEE PAGE 2C)

**IC224** (SEE PAGE 2C)

**IC225** (SEE PAGE 2C)

**IC226** (SEE PAGE 2C)

**IC227** (SEE PAGE 2C)

**IC228** (SEE PAGE 2C)

**IC229** (SEE PAGE 2C)

**IC230** (SEE PAGE 2C)

**IC231** (SEE PAGE 2C)

**IC232** (SEE PAGE 2C)

**IC233** (SEE PAGE 2C)

**IC234** (SEE PAGE 2C)

**IC235** (SEE PAGE 2C)

**IC236** (SEE PAGE 2C)

**IC237** (SEE PAGE 2C)

**IC238** (SEE PAGE 2C)

**IC239** (SEE PAGE 2C)

**IC240** (SEE PAGE 2C)

**IC241** (SEE PAGE 2C)

**IC242** (SEE PAGE 2C)

**IC243** (SEE PAGE 2C)

**IC244** (SEE PAGE 2C)

**IC245** (SEE PAGE 2C)

**IC246** (SEE PAGE 2C)

**IC247** (SEE PAGE 2C)

**IC248** (SEE PAGE 2C)

**IC249** (SEE PAGE 2C)

**IC250** (SEE PAGE 2C)

**IC251** (SEE PAGE 2C)

**IC252** (SEE PAGE 2C)

**IC253** (SEE PAGE 2C)

**IC254** (SEE PAGE 2C)

**IC255** (SEE PAGE 2C)

**IC256** (SEE PAGE 2C)

**IC257** (SEE PAGE 2C)

**IC258** (SEE PAGE 2C)

**IC259** (SEE PAGE 2C)

**IC260** (SEE PAGE 2C)

**IC261** (SEE PAGE 2C)

**IC262** (SEE PAGE 2C)

**IC263** (SEE PAGE 2C)

**IC264** (SEE PAGE 2C)

**IC265** (SEE PAGE 2C)

**IC266** (SEE PAGE 2C)

**IC267** (SEE PAGE 2C)

**IC268** (SEE PAGE 2C)

**IC269** (SEE PAGE 2C)

**IC270** (SEE PAGE 2C)

**IC271** (SEE PAGE 2C)

**IC272** (SEE PAGE 2C)

**IC273** (SEE PAGE 2C)

**IC274** (SEE PAGE 2C)

**IC275** (SEE PAGE 2C)

**IC276** (SEE PAGE 2C)

**IC277** (SEE PAGE 2C)

**IC278** (SEE PAGE 2C)

**IC279** (SEE PAGE 2C)

**IC280** (SEE PAGE 2C)

**IC281** (SEE PAGE 2C)

**IC282** (SEE PAGE 2C)

**IC283** (SEE PAGE 2C)

**IC284** (SEE PAGE 2C)

**IC285** (SEE PAGE 2C)

**IC286** (SEE PAGE 2C)

**IC287** (SEE PAGE 2C)

**IC288** (SEE PAGE 2C)

**IC289** (SEE PAGE 2C)

**IC290** (SEE PAGE 2C)

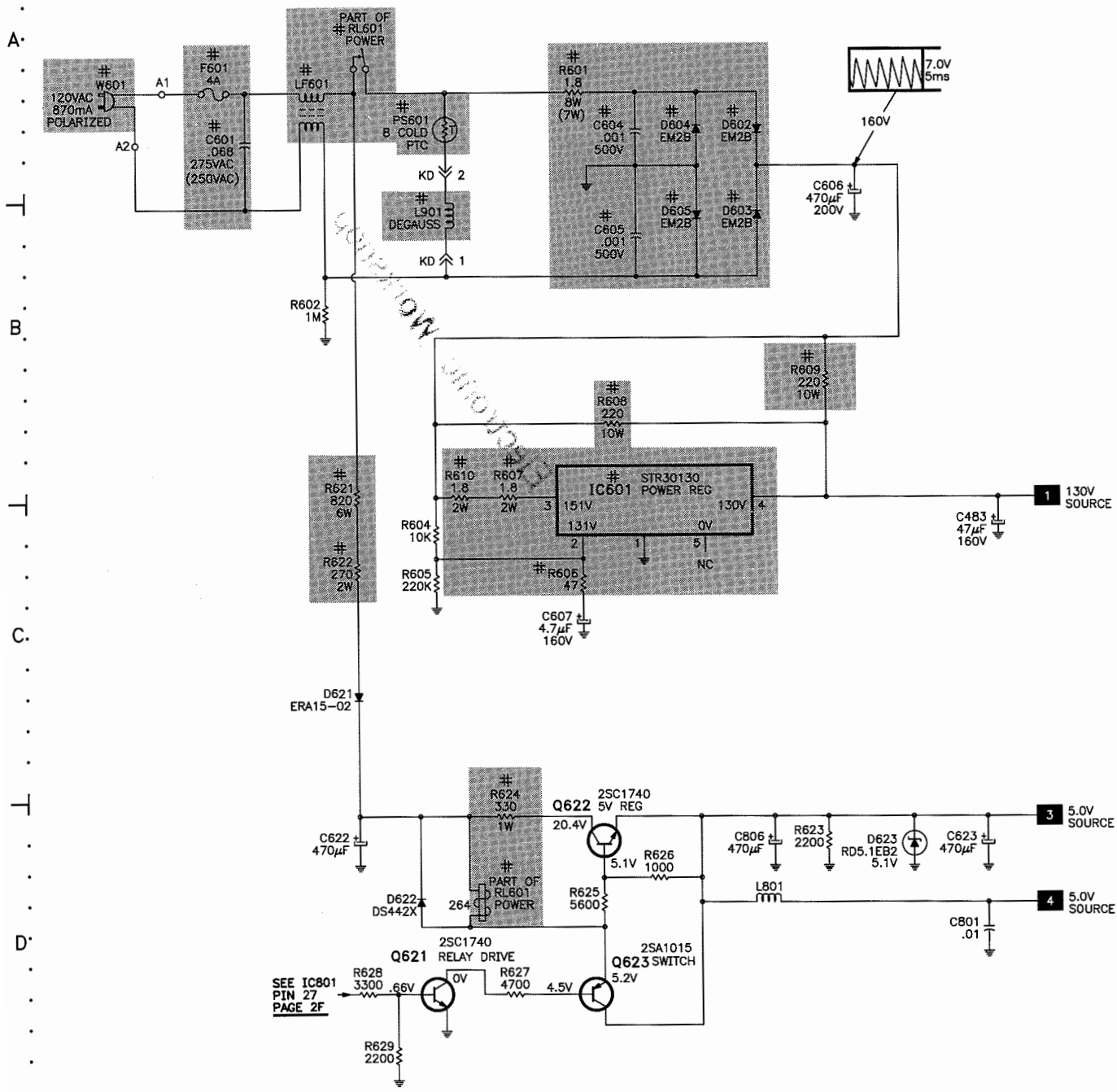
**IC291** (SEE PAGE 2C)

**IC292** (SEE PAGE 2C)

**IC293** (SEE PAGE 2C)

**IC294</**

G  
POWER SUPPLY SCHEMATIC

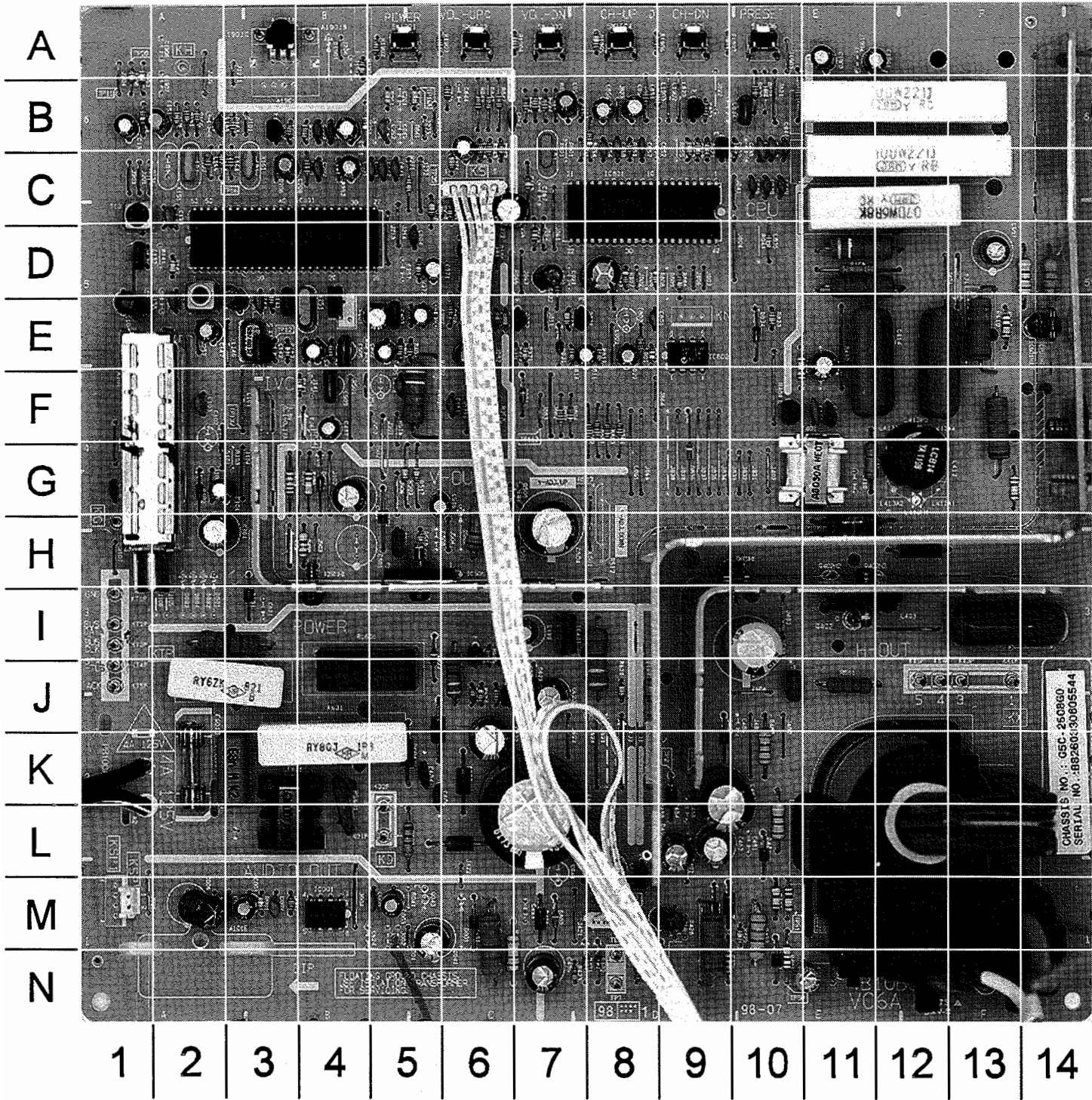


ADDITIONAL SCHEMATIC  
NOTES, SEE PAGE 1  
A PHOTOFAC STANDARD NOTATION SCHEMATIC  
WITH CIRCUITTRACE®  
© Howard W. Sams & Co. 1999

SCHEMATIC COMPONENT LOCATION GUIDE

|       |      |       |      |       |      |      |      |      |      |        |      |
|-------|------|-------|------|-------|------|------|------|------|------|--------|------|
| A1901 | A-17 | C505  | D-1  | D604  | A-27 | R104 | B-23 | R492 | D-10 | R823   | E-18 |
| C001  | A-5  | C506  | D-3  | D605  | B-27 | R106 | B-23 | R493 | D-9  | R826   | E-20 |
| C002  | A-6  | C509  | D-1  | D621  | C-26 | R131 | A-5  | R494 | D-9  | R827   | E-19 |
| C003  | B-6  | C511  | D-6  | D622  | D-26 | R133 | B-4  | R496 | D-10 | R828   | E-19 |
| C006  | A-7  | C516  | D-4  | D623  | D-27 | R142 | C-2  | R497 | B-16 | R831   | C-19 |
| C007  | A-7  | C601  | A-25 | D721  | E-14 | R143 | B-1  | R498 | D-12 | R833   | C-18 |
| C008  | C-17 | C604  | A-26 | D722  | E-14 | R151 | C-3  | R499 | D-12 | R842   | C-22 |
| C041  | D-13 | C605  | B-26 | D801  | B-19 | R159 | B-4  | R503 | D-3  | R843   | C-22 |
| C101  | B-24 | C606  | B-27 | D802  | B-19 | R161 | B-2  | R504 | D-4  | R844   | C-22 |
| C102  | B-24 | C607  | C-26 | D831  | A-19 | R162 | B-2  | R506 | D-4  | R846   | C-21 |
| C103  | B-24 | C622  | D-26 | D834  | C-18 | R163 | B-5  | R507 | D-4  | R847   | C-21 |
| C103  | D-22 | C623  | D-28 | D836  | C-18 | R164 | C-5  | R508 | D-4  | R848   | C-21 |
| C104  | B-23 | C701  | D-14 | D843  | C-19 | R166 | B-5  | R509 | D-4  | R849   | C-21 |
| C106  | C-1  | C703  | C-14 | F601  | A-25 | R167 | B-1  | R511 | D-6  | R851   | D-21 |
| C131  | B-5  | C705  | D-14 | IC001 | A-6  | R168 | B-1  | R512 | D-7  | R852   | B-19 |
| C132  | A-4  | C707  | B-14 | IC101 | A-5  | R201 | B-7  | R513 | E-6  | R853   | C-18 |
| C133  | B-4  | C708  | E-16 | IC101 | B-10 | R202 | B-7  | R517 | D-5  | R854   | C-19 |
| C136  | A-5  | C721  | D-14 | IC101 | B-3  | R205 | B-8  | R518 | D-4  | R856   | A-21 |
| C139  | C-6  | C801  | D-28 | IC101 | B-6  | R207 | C-6  | R601 | A-26 | R857   | A-21 |
| C142  | C-4  | C803  | B-12 | IC101 | D-2  | R212 | C-11 | R602 | B-25 | R858   | A-21 |
| C143  | C-2  | C804  | B-12 | IC481 | D-11 | R251 | C-11 | R604 | C-26 | R862   | C-19 |
| C147  | D-13 | C806  | D-27 | IC501 | D-4  | R252 | C-11 | R605 | C-26 | R863   | C-19 |
| C151  | C-3  | C811  | A-20 | IC601 | C-26 | R271 | C-11 | R606 | C-26 | R864   | C-19 |
| C161  | B-2  | C822  | D-20 | IC801 | B-20 | R272 | D-10 | R607 | C-26 | R881   | D-19 |
| C166  | C-5  | C823  | C-17 | IC802 | D-18 | R273 | D-10 | R608 | B-26 | R882   | D-19 |
| C202  | B-8  | C829  | C-19 | J208  | A-5  | R277 | C-14 | R609 | B-27 | R883   | E-21 |
| C203  | B-8  | C831  | E-19 | L164  | B-5  | R278 | C-14 | R610 | C-26 | R884   | E-21 |
| C205  | B-8  | C832  | E-19 | L166  | C-5  | R279 | B-13 | R621 | C-26 | R886   | E-21 |
| C208  | C-10 | C841  | B-11 | L201  | B-8  | R281 | E-1  | R622 | C-26 | R1901  | B-18 |
| C211  | A-8  | C842  | B-11 | L256  | E-12 | R283 | E-1  | R623 | D-27 | R1902  | B-18 |
| C212  | C-12 | C843  | B-10 | L401  | E-4  | R285 | A-14 | R624 | D-26 | R1903  | B-17 |
| C252  | C-11 | C846  | C-21 | L402  | E-5  | R286 | C-14 | R625 | D-26 | R1904  | B-17 |
| C253  | C-11 | C847  | C-21 | L413  | D-6  | R287 | B-14 | R626 | D-26 | R1905  | B-17 |
| C256  | E-13 | C848  | C-21 | L801  | D-27 | R351 | D-1  | R627 | D-26 | R1906  | B-17 |
| C272  | D-10 | C849  | C-21 | L821  | D-20 | R352 | D-1  | R628 | D-26 | R1907  | B-17 |
| C351  | D-1  | C851  | D-21 | L835  | B-19 | R353 | E-1  | R629 | D-26 | RL601  | A-26 |
| C352  | D-1  | C853  | C-18 | L851  | D-21 | R371 | E-18 | R701 | B-14 | RL601  | D-26 |
| C371  | D-2  | C854  | C-19 | L901  | B-26 | R372 | E-18 | R702 | C-14 | SP901  | A-7  |
| C401  | C-12 | C856  | D-21 | L902  | D-6  | R373 | D-2  | R703 | C-15 | SW1901 | B-17 |
| C403  | C-12 | C857  | D-21 | L1901 | B-18 | R376 | D-19 | R704 | C-14 | SW1902 | B-17 |
| C404  | E-3  | C858  | C-20 | L1903 | A-19 | R377 | E-18 | R705 | C-14 | SW1903 | B-17 |
| C405  | C-12 | C862  | C-20 | LF601 | A-25 | R401 | C-12 | R706 | D-15 | SW1904 | B-17 |
| C406  | E-4  | C1901 | C-17 | PS601 | A-26 | R402 | C-12 | R707 | A-14 | SW1905 | B-17 |
| C407  | E-4  | C1902 | B-17 | Q202  | B-6  | R403 | C-13 | R708 | B-14 | SW1906 | C-17 |
| C408  | E-4  | D101  | B-23 | Q371  | D-17 | R406 | E-4  | R709 | B-15 | T131   | B-5  |
| C411  | E-6  | D102  | B-24 | Q372  | D-18 | R407 | E-4  | R711 | B-15 | T151   | C-3  |
| C413  | E-6  | D351  | E-1  | Q401  | E-3  | R409 | E-3  | R712 | C-15 | T401   | E-4  |
| C414  | E-6  | D421  | D-3  | Q402  | E-5  | R411 | E-5  | R713 | B-15 | T402   | D-7  |
| C421  | D-2  | D422  | E-3  | Q491  | E-11 | R418 | D-6  | R715 | B-15 | W601   | A-25 |
| C426  | D-2  | D428  | E-2  | Q621  | D-26 | R421 | E-2  | R716 | C-15 | X141   | B-1  |
| C473  | E-6  | D429  | E-2  | Q622  | D-26 | R422 | E-3  | R717 | A-15 | X153   | A-4  |
| C482  | C-9  | D481  | C-9  | Q623  | D-26 | R423 | D-2  | R722 | E-14 | X161   | B-5  |
| C483  | C-28 | D482  | E-2  | Q701  | B-15 | R426 | D-3  | R723 | D-14 | X251   | C-10 |
| C484  | E-2  | D483  | C-12 | Q703  | C-15 | R428 | E-2  | R724 | D-14 | X401   | D-2  |
| C487  | C-13 | D484  | D-11 | Q705  | A-15 | R481 | C-9  | R803 | B-12 | X801   | B-19 |
| C489  | D-11 | D486  | D-11 | Q721  | D-14 | R482 | E-2  | R804 | B-13 |        |      |
| C491  | E-11 | D487  | D-10 | Q831  | A-19 | R483 | C-11 | R807 | D-19 |        |      |
| C493  | D-9  | D491  | D-12 | Q881  | E-19 | R484 | D-11 | R808 | D-19 |        |      |
| C496  | D-11 | D492  | E-11 | Q882  | E-19 | R485 | D-10 | R813 | A-19 |        |      |
| C497  | D-13 | D493  | E-13 | Q901  | C-16 | R486 | D-11 | R814 | A-19 |        |      |
| C498  | D-12 | D496  | B-18 | R001  | A-6  | R487 | D-10 | R816 | A-18 |        |      |
| C502  | D-5  | D501  | D-5  | R002  | A-6  | R489 | D-11 | R820 | E-18 |        |      |
| C503  | D-4  | D602  | A-27 | R003  | A-7  | R490 | E-11 | R821 | E-20 |        |      |
| C504  | D-4  | D603  | B-27 | R101  | B-24 | R491 | D-9  | R822 | E-19 |        |      |

MAIN BOARD



A HOWARD W. SAMS GRIDTRACE™ PHOTO

MAIN BOARD, GRIDTRACE LOCATION GUIDE

|       |      |       |      |       |      |      |      |        |      |      |       |
|-------|------|-------|------|-------|------|------|------|--------|------|------|-------|
| A101  | F-1  | C509  | F-4  | D843  | D-8  | R212 | D-6  | R607   | F-13 | T151 | E-2   |
| A1901 | A-3  | C511  | J-10 | F601  | K-2  | R251 | E-4  | R608   | B-12 | T401 | G-11  |
| C001  | M-3  | C516  | G-5  | IC001 | M-4  | R252 | E-4  | R609   | C-12 | T402 | L-12  |
| C002  | M-3  | C601  | K-3  | IC101 | D-3  | R271 | C-5  | R610   | E-13 | TE7  | N-8   |
| C003  | M-5  | C604  | K-5  | IC481 | I-7  | R272 | C-6  | R621   | J-2  | TP7  | N-8   |
| C006  | M-2  | C605  | K-5  | IC501 | H-5  | R273 | C-6  | R622   | I-3  | TP50 | N-10  |
| C007  | M-3  | C606  | L-7  | IC601 | F-14 | R277 | C-6  | R623   | J-7  | TP51 | M-10  |
| C008  | M-5  | C607  | D-13 | IC801 | C-8  | R278 | C-6  | R624   | J-6  | X141 | E-3   |
| C041  | M-5  | C622  | K-6  | IC802 | E-9  | R279 | C-5  | R625   | I-6  | X153 | C C-2 |
| C101  | H-2  | C623  | J-7  | J208  | A-1  | R281 | E-6  | R626   | J-6  | X161 | C-3   |
| C103  | F-2  | C801  | E-8  | KB    | M-8  | R283 | E-5  | R627   | J-6  | X251 | E-4   |
| C104  | G-2  | C803  | D-6  | KD    | L-5  | R285 | C-6  | R628   | J-8  | X401 | E-4   |
| C106  | E-1  | C804  | D-5  | KG    | H-1  | R286 | C-6  | R629   | J-6  | X801 | C-7   |
| C108  | G-1  | C806  | D-8  | KSP   | M-1  | R287 | C-6  | R803   | F-7  |      |       |
| C131  | B-1  | C811  | E-8  | KTP   | I-1  | R351 | B-4  | R804   | F-7  |      |       |
| C132  | D-1  | C822  | D-7  | KX    | J-13 | R352 | C-4  | R807   | D-8  |      |       |
| C133  | C-2  | C823  | B-10 | L164  | C-3  | R353 | F-6  | R808   | D-8  |      |       |
| C136  | E-3  | C829  | E-8  | L166  | C-2  | R371 | E-7  | R813   | E-8  |      |       |
| C139  | E-2  | C831  | C-10 | L201  | C-4  | R372 | E-6  | R814   | E-7  |      |       |
| C142  | E-3  | C832  | B-10 | L256  | F-6  | R373 | D-5  | R816   | E-7  |      |       |
| C143  | E-3  | C841  | C-5  | L401  | H-11 | R376 | E-6  | R820   | B-10 |      |       |
| C147  | E-2  | C842  | C-5  | L402  | H-12 | R377 | E-7  | R821   | C-9  |      |       |
| C151  | B-2  | C843  | C-5  | L413  | G-12 | R401 | D-11 | R822   | C-10 |      |       |
| C161  | F-6  | C846  | C-10 | L801  | E-8  | R402 | F-5  | R823   | E-10 |      |       |
| C166  | B-2  | C847  | B-10 | L821  | D-7  | R403 | E-5  | R826   | C-9  |      |       |
| C202  | C-4  | C848  | C-10 | L835  | D-10 | R406 | E-10 | R827   | B-9  |      |       |
| C203  | B-4  | C849  | C-10 | L851  | B-8  | R407 | D-11 | R828   | B-10 |      |       |
| C205  | B-4  | C851  | B-8  | L1901 | B-10 | R409 | E-5  | R831   | E-8  |      |       |
| C208  | C-3  | C853  | B-7  | L1903 | B-9  | R411 | C-12 | R833   | M-10 |      |       |
| C211  | B-4  | C854  | B-8  | LF601 | L-3  | R418 | G-11 | R842   | C-6  |      |       |
| C212  | D-6  | C856  | B-8  | PS601 | L-4  | R421 | M-9  | R843   | C-6  |      |       |
| C252  | E-3  | C857  | B-8  | Q202  | B-3  | R422 | N-8  | R844   | C-6  |      |       |
| C253  | E-4  | C858  | B-8  | Q371  | E-6  | R423 | N-7  | R846   | B-6  |      |       |
| C256  | C-6  | C862  | B-7  | Q372  | E-7  | R426 | E-6  | R847   | B-6  |      |       |
| C272  | B-6  | C1901 | A-12 | Q401  | F-10 | R428 | M-9  | R848   | B-6  |      |       |
| C351  | C-5  | C1902 | A-11 | Q402  | I-11 | R481 | L-10 | R849   | B-6  |      |       |
| C352  | B-5  | D101  | G-2  | Q491  | L-8  | R482 | N-10 | R851   | B-8  |      |       |
| C371  | D-5  | D102  | G-2  | Q621  | J-6  | R483 | K-10 | R852   | C-9  |      |       |
| C401  | E-5  | D351  | E-6  | Q622  | I-6  | R484 | M-10 | R853   | B-7  |      |       |
| C403  | E-5  | D421  | N-7  | Q623  | I-6  | R485 | M-10 | R854   | B-8  |      |       |
| C404  | F-5  | D422  | N-8  | Q831  | E-7  | R486 | I-8  | R856   | B-7  |      |       |
| C405  | E-5  | D428  | M-9  | Q881  | B-9  | R487 | N-6  | R857   | B-7  |      |       |
| C406  | F-11 | D429  | N-9  | Q882  | B-9  | R489 | M-6  | R858   | B-7  |      |       |
| C407  | F-11 | D481  | L-10 | R001  | M-3  | R490 | L-8  | R862   | B-7  |      |       |
| C408  | E-11 | D482  | M-9  | R002  | M-3  | R491 | N-10 | R863   | A-1  |      |       |
| C411  | I-13 | D483  | K-9  | R003  | M-2  | R492 | M-10 | R864   | B-1  |      |       |
| C413  | E-12 | D484  | K-9  | R101  | G-3  | R493 | M-10 | R881   | F-8  |      |       |
| C414  | E-11 | D486  | M-7  | R104  | G-4  | R494 | M-10 | R882   | F-8  |      |       |
| C421  | E-6  | D487  | N-10 | R106  | D-11 | R496 | D-6  | R883   | F-8  |      |       |
| C426  | E-5  | D491  | M-6  | R131  | C-1  | R497 | M-9  | R884   | F-8  |      |       |
| C473  | D-12 | D492  | L-9  | R133  | C-2  | R498 | H-4  | R886   | D-9  |      |       |
| C482  | L-9  | D493  | G-4  | R142  | D-1  | R499 | G-4  | R1901  | A-4  |      |       |
| C483  | I-10 | D496  | L-7  | R143  | E-3  | R503 | G-5  | R1902  | A-5  |      |       |
| C484  | M-9  | D501  | H-5  | R151  | B-2  | R504 | H-6  | R1903  | A-6  |      |       |
| C487  | K-9  | D602  | J-5  | R159  | B-2  | R506 | G-6  | R1904  | A-7  |      |       |
| C489  | L-8  | D603  | K-4  | R161  | F-4  | R507 | H-6  | R1905  | A-8  |      |       |
| C491  | L-9  | D604  | K-5  | R162  | E-3  | R508 | G-7  | R1906  | A-9  |      |       |
| C493  | N-11 | D605  | L-6  | R163  | B-3  | R509 | G-6  | R1907  | A-9  |      |       |
| C496  | N-7  | D621  | I-3  | R164  | C-2  | R511 | J-11 | RL601  | J-5  |      |       |
| C497  | F-4  | D622  | I-5  | R166  | B-2  | R517 | G-5  | SW1901 | A-5  |      |       |
| C498  | I-7  | D623  | J-7  | R167  | D-7  | R518 | H-5  | SW1902 | A-6  |      |       |
| C502  | G-4  | D801  | F-7  | R168  | C-7  | R601 | K-4  | SW1903 | A-7  |      |       |
| C503  | H-6  | D802  | M-7  | R201  | B-5  | R602 | L-5  | SW1904 | A-8  |      |       |
| C504  | H-7  | D831  | E-7  | R202  | B-5  | R604 | E-13 | SW1905 | A-9  |      |       |
| C505  | E-4  | D834  | D-10 | R205  | B-4  | R605 | G-13 | SW1906 | A-10 |      |       |
| C506  | H-5  | D836  | G-9  | R207  | B-3  | R606 | D-14 | T131   | C-1  |      |       |

PARTS LIST

SEMICONDUCTORS

(Select the replacement that gives the best results.)

| Item No.    | Type No. | Mfr. Part No. | NTE Part No. | TCE Part No. |
|-------------|----------|---------------|--------------|--------------|
| D101        | RD36EB1  | 407 056 2307  | NTE5037A     | SK36A        |
|             | MTZJ36A  | 407 100 0204  | -            | -            |
| D102        | RD5.1EB2 | 407 056 8002  | NTE5010A     | SK5A1        |
|             | MTZJ5.1A | 407 063 8606  | -            | -            |
|             | MTZJ5.1B | 407 099 5204  | -            | -            |
|             | RD5.1EB3 | 407 056 8200  | NTE5010A     | SK5A1        |
| D351        | RD12EB2  | 407 054 3207  | NTE5021T1    | SK9971       |
|             | MTZJ12B  | 407 099 6607  | -            | -            |
|             | MTZJ12C  | 407 063 8408  | -            | -            |
|             | RD12EB3  | 407 054 3306  | NTE5021A     | SK12A        |
| # D421, 22  | HZ11B2L  | 407 158 1307  | NTE5020A     | SK11A        |
| D428        | RD15EB3  | 407 054 5904  | NTE5024A     | SK15A        |
|             | MTZJ15C  | 407 099 7109  | -            | -            |
| D429        | DS442X   | 407 005 4505  | NTE519       | SK3100       |
|             | 1N4148   | 407 008 2406  | NTE519       | SK3100       |
|             | 1SS133   | 407 012 4406  | NTE519       | SK3100       |
|             | 1S2076   | 407 013 4207  | NTE177       | SK9091       |
|             | 1S2473   | 407 013 7109  | NTE177       | SK9091       |
| D481        | ERA18-04 | 407 124 6404  | NTE552       | SK9000       |
|             | ES1      | 407 007 6606  | NTE552       | SK9000       |
|             | RMPG06G  | 407 124 5506  | NTE552       | SK9000       |
| D482        | TVR1G    | 407 011 4407  | NTE552       | SK9000       |
| D483        | ES1      | 407 007 6606  | NTE552       | SK9000       |
|             | ERA18-04 | 407 124 6404  | NTE552       | SK9000       |
|             | RMPG06G  | 407 124 5506  | NTE552       | SK9000       |
| D484, 86    | EU2      | 407 007 7603  | NTE552       | SK9000       |
| D487        | ERA15-02 | 407 005 8602  | NTE552       | SK9000       |
|             | MPG06D   | 407 088 6502  | NTE552       | SK9000       |
|             | S5277B   | 407 011 3004  | NTE552       | SK9000       |
|             | 1N40021D | 408 009 9404  | NTE116       | SK3311       |
| D491        | S5277B   | 407 011 3004  | NTE552       | SK9000       |
|             | ERA15-02 | 407 005 8602  | NTE552       | SK9000       |
|             | MPG06D   | 407 088 6502  | NTE552       | SK9000       |
|             | 1N40021D | 408 009 9404  | NTE116       | SK3311       |
| D492        | RD10EB2  | 407 054 0008  | NTE5019A     | SK10A        |
|             | MTZJ10B  | 407 099 6102  | -            | -            |
| D493        | RD7.5EB3 | 407 057 6502  | NTE5015A     | SK7A5        |
|             | MTZJ7.5C | 407 063 9306  | -            | -            |
| D496        | DS442X   | 407 005 4505  | NTE519       | SK3100       |
|             | 1N4148   | 407 008 2406  | NTE519       | SK3100       |
|             | 1SS133   | 407 012 4406  | NTE519       | SK3100       |
|             | 1S2076   | 407 013 4207  | NTE177       | SK9091       |
|             | 1S2473   | 407 013 7109  | NTE177       | SK9091       |
| D501        | ERA15-02 | 407 005 8602  | NTE552       | SK9000       |
|             | MPG06D   | 407 088 6502  | NTE552       | SK9000       |
|             | S5277B   | 407 011 3004  | NTE552       | SK9000       |
|             | 1N40021D | 408 009 9404  | NTE116       | SK3311       |
| # D602 Thru |          |               |              |              |
| # D605      | EM2B     | 407 005 7605  | NTE125       | SK3081       |
|             | 1S1887A  | 407 013 3200  | NTE552       | SK9000       |
|             | GPI5G    | 407 008 8606  | NTE125       | SK3081       |
| D621        | ERA15-02 | 407 005 8602  | NTE552       | SK9000       |
|             | MPG06D   | 407 088 6502  | NTE552       | SK9000       |
|             | S5277B   | 407 011 3004  | NTE552       | SK9000       |
|             | 1N40021D | 408 009 9404  | NTE116       | SK3311       |
| D622        | DS442X   | 407 005 4505  | NTE519       | SK3100       |
|             | 1N4148   | 407 008 2406  | NTE519       | SK3100       |
|             | 1SS133   | 407 012 4406  | NTE519       | SK3100       |
|             | 1S2076   | 407 013 4207  | NTE177       | SK9091       |
|             | 1S2473   | 407 013 7109  | NTE177       | SK9091       |

# For SAFETY use only equivalent replacement part.

SEMICONDUCTORS continued

(Select the replacement that gives the best results.)

| Item No. | Type No.          | Mfr. Part No. | NTE Part No. | TCE Part No. |
|----------|-------------------|---------------|--------------|--------------|
| D623     | RD5.1EB2          | 407 056 8002  | NTE5010A     | SK5A1        |
|          | RD5.1EB3          | 407 056 8200  | NTE5010A     | SK5A1        |
|          | MTZJ5.1A          | 407 063 8606  | -            | -            |
|          | MTZJ5.1B          | 407 099 5204  | -            | -            |
| D721, 22 | 1SS133            | 407 012 4406  | NTE519       | SK3100       |
|          | DS442X            | 407 005 4505  | NTE519       | SK3100       |
|          | 1N4148            | 408 008 2406  | NTE519       | SK3100       |
|          | 1S2076            | 407 013 4207  | NTE177       | SK9091       |
|          | 1S2473            | 407 013 7109  | NTE177       | SK9091       |
| D801, 02 | DS442X            | 407 005 4505  | NTE519       | SK3100       |
|          | 1N4148            | 407 008 2406  | NTE519       | SK3100       |
|          | 1SS133            | 407 012 4406  | NTE519       | SK3100       |
|          | 1S2076            | 407 013 4207  | NTE177       | SK9091       |
|          | 1S2473            | 407 013 7109  | NTE177       | SK9091       |
| D831     | RD4.3EB2          | 407 056 4707  | NTE5008A     | SK4A3        |
|          | MTZJ3.6B          | 407 065 1308  | -            | -            |
| D834     | RD16EB3           | 407 054 7205  | NTE5025A     | SK16A        |
|          | MTZJ16C           | 407 099 7406  | -            | -            |
| D836, 43 | DS442X            | 407 005 4505  | NTE519       | SK3100       |
|          | 1N4148            | 407 008 2406  | NTE519       | SK3100       |
|          | 1SS133            | 407 012 4406  | NTE519       | SK3100       |
|          | 1S2076            | 407 013 4207  | NTE177       | SK9091       |
|          | 1S2473            | 407 013 7109  | NTE177       | SK9091       |
| IC001    | TDA7231A          | 409 343 0409  | -            | -            |
| # IC101  | LA76070N          | 409 399 2303  | -            | -            |
| IC481    | BA178M09T         | 409 367 2809  | NTE1966      | -            |
|          | MC78M09CT         | 409 370 0007  | -            | -            |
|          | UPC78M09AHF       | 409 366 7904  | -            | -            |
| # IC501  | LA7841            | 409 340 1904  | -            | -            |
| # IC601  | STR30130          | 409 243 0806  | NTE1777      | SK9870       |
| IC801    | M37272M8-100SP    | -             | -            | -            |
|          | M37272M4-***SP    | 410 270 8901  | -            | -            |
| IC802    | 24LC01B/P         | 409 321 0902  | -            | -            |
|          | ST24C01B1         | 409 270 0008  | -            | -            |
|          | XLS24C01AP        | 409 321 7307  | -            | -            |
|          | AT24C01A-10PC-2.5 | 410 243 3803  | -            | -            |
| Q202     | 2SC1740S-Q        | 405 011 8401  | NTE85        | SK3122       |
|          | 2SC1740S-R        | 405 011 8500  | NTE85        | SK3122       |
|          | 2SC1740S-S        | 405 011 8609  | NTE85        | SK3122       |
|          | 2SC1815-GR        | 405 012 2002  | NTE85        | SK3124A      |
|          | 2SC1815-Y         | 405 012 2309  | NTE85        | SK3124A      |
|          | 2SC945A-PA        | 405 020 7501  | NTE85        | SK3124A      |
|          | 2SC945A-QA        | 405 020 7709  | NTE85        | SK3124A      |
| Q371, 72 | 2SA1015-GR(SAN)   | 406 000 6804  | NTE290A      | SK9132       |
|          | 2SA1015-O(SAN)    | 405 001 7407  | NTE290A      | SK9132       |
|          | 2SA1015-Y(SAN)    | 405 001 7605  | NTE290A      | SK9132       |
|          | 2SA564A-Q(CU)     | 405 004 3109  | NTE290A      | SK3932       |
|          | 2SA564A-R(CU)     | 405 004 3208  | NTE290A      | SK3932       |
|          | 2SA933S-Q         | 405 006 1707  | NTE290A      | SK9132       |
|          | 2SA933S-R         | 405 006 1806  | NTE290A      | SK9132       |
| Q401     | 2SC2271-D         | 405 029 7106  | NTE399       | SK9352       |
|          | 2SC2271-D-CTV     | 405 013 6207  | NTE399       | SK9352       |
|          | 2SC2271-E         | 405 029 7205  | NTE399       | SK9352       |
|          | 2SC2271-E-CTV     | 405 013 6306  | NTE399       | SK9352       |
| # Q402   | 2SD1879-CTV-YB    | 405 082 2407  | NTE2331      | SK10088      |
| Q491     | 2SD400-E-MP       | 405 023 5009  | NTE382       | SK3849       |
|          | 2SD400-F-MP       | 405 023 5306  | NTE382       | SK3849       |

# For SAFETY use only equivalent replacement part.

SANYO

MODEL AVM-2508G (CHASSIS G5C-2508G0)

PARTS LIST continued

| SEMICONDUCTORS continued                              |                   |               |              |              |
|---|-------------------|---------------|--------------|--------------|
| (Select the replacement that gives the best results.) |                   |               |              |              |
| Item No.  | Type No.          | Mfr. Part No. | NTE Part No. | TCE Part No. |
| Q621, 22  | 2SC1740S-Q        | 405 011 8401  | NTE85        | SK3122       |
|   | 2SC1740S-R        | 405 011 8500  | NTE85        | SK3122       |
|   | 2SC1740S-S        | 405 011 8609  | NTE85        | SK3122       |
|   | 2SC1815-GR        | 405 012 2002  | NTE85        | SK3124A      |
|   | 2SC1815-O         | 405 012 2101  | NTE85        | SK3124A      |
|   | 2SC1815-Y         | 405 012 2309  | NTE85        | SK3124A      |
|   | 2SC945A-PA        | 405 020 7501  | NTE85        | SK3124A      |
|   | 2SC945A-QA        | 405 020 7709  | NTE85        | SK3124A      |
|   | 2SC945A-RA        | 405 020 7907  | NTE85        | SK3124A      |
|   | 2SA1015-GR(SAN)   | 406 000 6804  | NTE290A      | SK9132       |
| Q623  | 2SA1015-O(SAN)    | 405 001 7407  | NTE290A      | SK9132       |
|   | 2SA1015-Y(SAN)    | 405 001 7605  | NTE290A      | SK9132       |
|   | 2SA564A-Q(CU)     | 405 004 3109  | NTE290A      | SK3932       |
|   | 2SA564A-R(CU)     | 405 004 3208  | NTE290A      | SK3932       |
|   | 2SA933S-Q         | 405 006 1707  | NTE290A      | SK9132       |
|   | 2SA933S-R         | 405 006 1806  | NTE290A      | SK9132       |
|   | 2SC3620(LB-SAN-1) | 406 000 3605  | NTE157       | SK3747       |
|   | 2SC2621-C-RA      | 405 066 4304  | NTE157       | SK3747       |
|   | 2SC2621-D-RA      | 405 041 6507  | NTE157       | SK3747       |
|   | 2SC2621-E-RA      | 405 041 6705  | NTE157       | SK3747       |
| Q701, 03, 05  | 2SC2688(1)-K      | 405 066 9903  | NTE157       | SK3747       |
|   | 2SC2688(1)-L      | 405 067 0008  | NTE157       | SK3747       |
|   | 2SC2688(1)-M      | 405 067 0107  | NTE157       | SK3747       |
|   | 2SA1015-GR(SAN)   | 406 000 6804  | NTE290A      | SK9132       |
|   | 2SA1015-O(SAN)    | 405 001 7407  | NTE290A      | SK9132       |
|   | 2SA1015-Y(SAN)    | 405 001 7605  | NTE290A      | SK9132       |
|   | 2SA564A-Q(CU)     | 405 004 3109  | NTE290A      | SK3932       |
|   | 2SA564A-R(CU)     | 405 004 3208  | NTE290A      | SK3932       |
|   | 2SA933S-Q         | 405 006 1707  | NTE290A      | SK9132       |
|   | 2SA933S-R         | 405 006 1806  | NTE290A      | SK9132       |
| Q721  | 2SA1015-GR(SAN)   | 406 000 6804  | NTE290A      | SK9132       |
|   | 2SA1015-O(SAN)    | 405 001 7407  | NTE290A      | SK9132       |
|   | 2SA1015-Y(SAN)    | 405 001 7605  | NTE290A      | SK9132       |
|   | 2SA564A-Q(CU)     | 405 004 3109  | NTE290A      | SK3932       |
|   | 2SA564A-R(CU)     | 405 004 3208  | NTE290A      | SK3932       |
|   | 2SA933S-Q         | 405 006 1707  | NTE290A      | SK9132       |
|   | 2SA933S-R         | 405 006 1806  | NTE290A      | SK9132       |
|   | 2SC1740S-Q        | 405 011 8401  | NTE85        | SK3122       |
|   | 2SC1740S-R        | 405 011 8500  | NTE85        | SK3122       |
|   | 2SC1740S-S        | 405 011 8609  | NTE85        | SK3122       |
| Q831  | 2SC1815-GR        | 405 012 2002  | NTE85        | SK3124A      |
|   | 2SC1815-O         | 405 012 2101  | NTE85        | SK3124A      |
|   | 2SC1815-Y         | 405 012 2309  | NTE85        | SK3124A      |
|   | 2SC945A-PA        | 405 020 7501  | NTE85        | SK3124A      |
|   | 2SC945A-QA        | 405 020 7709  | NTE85        | SK3124A      |
|   | 2SC945A-RA        | 405 020 7907  | NTE85        | SK3124A      |
|   | 2SC1740S-Q        | 405 011 8401  | NTE85        | SK3122       |
|   | 2SC1740S-R        | 405 011 8500  | NTE85        | SK3122       |
|   | 2SC1740S-S        | 405 011 8609  | NTE85        | SK3122       |
|   | 2SC1815-GR        | 405 012 2002  | NTE85        | SK3124A      |
| Q881, 82  | 2SC1815-O         | 405 012 2101  | NTE85        | SK3124A      |
|   | 2SC1815-Y         | 405 012 2309  | NTE85        | SK3124A      |
|   | 2SC945A-PA        | 405 020 7501  | NTE85        | SK3124A      |
|   | 2SC945A-QA        | 405 020 7709  | NTE85        | SK3124A      |
|   | 2SC945A-RA        | 405 020 7907  | NTE85        | SK3124A      |
|   | 2SC1740S-Q        | 405 011 8401  | NTE85        | SK3122       |
|   | 2SC1740S-R        | 405 011 8500  | NTE85        | SK3122       |
|   | 2SC1740S-S        | 405 011 8609  | NTE85        | SK3122       |
|   | 2SC1815-GR        | 405 012 2002  | NTE85        | SK3124A      |
|   | 2SC1815-O         | 405 012 2101  | NTE85        | SK3124A      |

Important Parts Information

- The parts listed here are those not usually available from a well-stocked supply cabinet or bin.
- Where items may be replaced with equivalent parts, several alternates are shown from participating vendors.
- On the parts lists, safety items are marked with a # to remind you that only exact replacements are recommended for these items.
- When ordering parts, state the model number, part number, and description.

Obtaining Parts

Many of these parts are available from your local Sams authorized distributor or the manufacturer of the equipment. Call Sams for the name of your nearest distributor:

800-428-7267

Or consult the Sams *Annual Index* for the address of the original equipment manufacturer.

Participating Vendors

Information on test equipment and replacement parts is listed in these pages for the following participating vendors. Consult the Sams *Annual Index* for their current address.

- |  |  |
|--|--|
| ▪ Custom Components Corporation (Chek-A-Color) | ▪ Sencore, Inc.                                |
| ▪ NTE Electronics, Inc. (NTE)                  | ▪ Thomson Consumer Electronics, Inc. (SK, TCE) |
| ▪ Terrell & Nobis (TNI Electronics)            |  |

TEST EQUIPMENT

Test equipment listed by participating manufacturer illustrates typical or equivalent equipment used by Sams engineers to obtain measurements. This equipment is compatible with most types used by field service technicians.

| Equipment         | Sencore No. | Equipment             | Sencore No. |
|-------------------|-------------|-----------------------|-------------|
| Oscilloscope      | SC3100      | Isolation Transformer | PR570       |
| Generators        |             | Capacitance Analyzer  | LC102       |
| RGB               | CM2125      | CRT Analyzer          | CR7000      |
| Multiburst Signal | VG91        | AC Leakage Tester     | PR570       |
| Color Bar         | VG91        | Inductance Analyzer   | LC102       |
| TV Stereo         | VG91        | Flyback Yoke Tester   | TVA92       |
| Digital VOM       | SC3100      | Field Strength Meter  | SL753       |
| Frequency Meter   | SC3100      | Transistor Tester     | TF46        |
| Hi-Voltage Probe  | HP200       | Horizontal Analyzer   | HA-2500     |
| Accessory Probes  | TP212       | Video Analyzer        | VG91, TVA92 |

PARTS LIST continued

CONTROLS & RESISTORS

| Item No.   | Function/Rating           | Mfr. Part No. | NTE Part No. |
|--|---------------------------|---------------|--------------|
| # PS601  | 8 Cold PTC                | 408 000 3203  | -            |
| # R101   | 2.2 5% 1/4W               | 401 015 6603  | QW2D2        |
| # R401, 02   | 3900 5% 2W                | 401 068 0207  | 2W239        |
| # R407   | 8200 5% 2W                | 401 069 8202  | 2W282        |
| # R411   | 6.8 10% 7W Wirewound      | 402 076 0401  | -            |
| # R418   | 2700 5% 1/2W Nonflammable | 401 009 1607  | HW227        |
| # R421   | 1650 1% 1/6W              | 401 258 8105  | -            |
| # R422   | 10K 1% 1/6W               | 401 052 6802  | -            |
| # R423   | 3300 1% 1/6W              | 401 053 2605  | -            |
| # R481   | 47 5% 1/2W Nonflammable   | 401 010 2600  | HW047        |
| # R482   | 1 5% 1/4W Nonflammable    | 401 011 9004  | QW1D0        |
| # R483   | 1 5% 1/2W Nonflammable    | 401 006 7701  | HW1D0        |
| # R484   | 2.7 5% 1W                 | 401 060 0403  | 1W2D7        |
| # R486   | 33 5% 2W                  | 401 067 4206  | 2W033        |
| # R487   | 2.2 5% 1/2W               | 401 008 3800  | HW2D2        |
| # R489   | 18 5% 2W                  | 401 065 9609  | 2W018        |
| R492   | 33K 1% 1/6W               | 401 115 8504  | -            |
| # R497   | 1.8 5% 2W                 | 401 064 5701  | 2W1D8        |
| # R507   | .56 5% 1W                 | 401 057 6104  | 1WD56        |
| # R511   | 270 5% 1W                 | 401 060 7402  | 1W127        |
| # R601   | 1.8 10% 8W Wirewound      | 402 071 3001  | -            |
|  | 1.8 10% 7W Wirewound      | 402 072 3109  | -            |
| # R606   | 47 5% 1/2W Nonflammable   | 401 010 2600  | HW047        |
| # R607   | 1.8 5% 2W                 | 401 064 5701  | 2W1D8        |
| # R608, 09   | 220 5% 10W Wirewound      | 402 074 7600  | 10W122       |
| # R610   | 1.8 5% 2W                 | 401 064 5701  | 2W1D8        |
| # R621   | 820 10% 6W Wirewound      | 402 078 6203  | -            |
| # R622   | 270 5% 2W                 | 401 067 0000  | 2W127        |
| # R624   | 330 5% 1W                 | 401 061 2505  | 1W133        |
| # R711, 12, 13                                     | 12K 5% 2W                 | 401 065 4604  | 2W312        |
| # For SAFETY use only equivalent replacement part. |                           |               |              |

COILS & TRANSFORMERS

| Item No.   | Function/Rating                 | Mfr. Part No. |
|--|---------------------------------|---------------|
| L164   | 15µH                            | 645 003 9713  |
|  | 15µH                            | 645 016 2657  |
| L166   | 33µH                            | 645 003 9812  |
|  | 33µH                            | 645 016 2985  |
| L201   | 10µH                            | 610 031 3873  |
|  | 10µH                            | 645 016 2534  |
| L256   | 22µH                            | 610 029 8347  |
|  | 22µH                            | 645 001 4833  |
| L401   | 3.3µH                           | 645 017 7675  |
| L402   | Ferrite Bead                    | 610 031 9998  |
| # L413   | Horizontal Linearity            | 645 025 4413  |
| L801, 21, 51                                       | 5.6µH                           | 645 016 3104  |
|  | 5.6µH                           | 645 008 2894  |
| # L901   | Degaussing                      | 645 022 8629  |
|  | Degaussing                      | 610 229 3203  |
| # L902   | Yoke Horiz 1.3mH<br>Vert 16.4mH | 610 003 4846  |
|  | Yoke                            | 610 003 4853  |
| L1901  | 5.6µH                           | 645 016 3104  |
|  | 5.6µH                           | 645 008 2894  |
| # LF601  | Line Filter                     | 610 031 5938  |
|  | Line Filter                     | 610 223 1212  |
|  | Line Filter                     | 645 017 6159  |
| T131   | SIF                             | 645 020 9222  |
| T151   | 45.75MHz Oscillator             | 645 020 9215  |
| T401   | Horizontal Drive                | 610 000 7901  |
|  | Horizontal Drive                | 610 000 7918  |
| # T402 (1)   | Horizontal Output               | 645 021 2574  |
| # For SAFETY use only equivalent replacement part. |                                 |               |
| (1) Screen and focus controls are part of T402.    |                                 |               |

MISCELLANEOUS

| Item No.  | Description | Mfr. Part No. | Notes                     |
|---|-------------|---------------|---------------------------|
| # A101 (1)  | Tuner       | 645 027 5203  | UHF/VHF, 1AV4F1BAM0190    |
| # A101H   | Block       | 645 011 9682  | Antenna                   |
| A1901   | Receiver    | 645 021 1041  | Remote                    |
| # F601  | Fuse        | 423 018 8101  | 4Amp, 125V, Fast Acting   |
|   | Fuse        | 423 007 1601  | 4Amp, 125V, Fast Acting   |
|   | Fuse        | 423 007 1809  | 4Amp, 125V, Fast Acting   |
| F601A   | Fuse Holder | 645 016 0479  | For F601                  |
|   | Fuse Holder | 645 000 5077  | For F601                  |
| F601B   | Fuse Holder | 645 016 0479  | For F601                  |
|   | Fuse Holder | 645 000 5077  | For F601                  |
| # K701  | Socket      | 610 010 4181  | CRT                       |
|   | Socket      | 645 017 2588  | CRT                       |
| # Q901  | CRT         | 414 009 1300  | A63AHC26X                 |
|   | CRT         | 414 009 2802  | A63ADG36X                 |
| # RL601   | Relay       | 645 000 4155  | Power                     |
|   | Relay       | 645 011 2713  | Power                     |
|   | Relay       | 645 024 7828  | Power                     |
|   | Relay       | 645 015 8629  | Power                     |
|   | Relay       | 645 024 7767  | Power                     |
| SP901   | Speaker     | 610 055 6614  | 3" X 3", 8 Ohms, 2W       |
| SW1901  | Switch      | 645 004 3062  | Power                     |
| SW1902  | Switch      | 645 004 3062  | Volume Up                 |
| SW1903  | Switch      | 645 004 3062  | Volume Down               |
| SW1904  | Switch      | 645 004 3062  | Channel up                |
| SW1905  | Switch      | 645 004 3062  | Channel Down              |
| SW1906  | Switch      | 645 004 3062  | Menu (Preset)             |
| # W601  | Line Cord   | 645 023 1667  | AC, Polarized             |
|   | Line Cord   | 610 222 9639  | AC, Polarized             |
| # W902  | Connector   | 610 267 2169  | Ground                    |
| X141  | Filter      | 421 006 3206  | SAW                       |
| X153  | Filter      | 610 015 2946  | 4.5MHz                    |
|   | Filter      | 610 250 1759  | 4.5MHz                    |
| X161  | Trap        | 610 015 3059  | 4.5MHz                    |
| X251  | Crystal     | 610 204 4195  | 3.58MHz                   |
|   | Crystal     | 610 245 9746  | 3.58MHz                   |
|   | Crystal     | 610 012 0655  | 3.58MHz                   |
| X401  | Crystal     | -             | 503kHz                    |
|   | Crystal     | 645 020 9147  | 507.5kHz                  |
| X801  | Crystal     | 645 000 6692  | 8MHz                      |
|   | Crystal     | 645 021 5483  | 8MHz                      |
|   | Magnet      | 610 217 7794  | Purity/Convergence        |
|   | PC Board    | 610 272 4363  | CRT                       |
|   | PC Board    | 610 272 7777  | Main                      |
|   | Transmitter | 645 026 8069  | Remote                    |
|   | Transmitter | 645 026 8151  | Remote                    |
|   | Connector   | 610 267 1278  | Ground                    |
|   | Wedge       | 610 117 7924  | Yoke Positioning (3 Used) |
| # For SAFETY use only equivalent replacement part.                          |             |               |                           |
| (1) Contact TNI Electronics for replacement; order by part number on tuner. |             |               |                           |

CAPACITORS & ELECTROLYTICS

| Item No.   | Rating             | Mfr. Part No. |
|--|--------------------|---------------|
| C211   | 1µF 20% 50V NP     | 403 086 2300  |
| # C411   | .012 3% 1.5kV      | 404 066 4109  |
| # C413   | .22 5% 200V        | 403 082 8405  |
| # C414   | .22 5% 200V        | 403 082 8405  |
| C493   | 2.2µF 20% 100V NP  | 404 056 5307  |
| # C601   | .068 10% 275VAC    | 404 073 7506  |
|  | .068 10% 250VAC    | 404 072 7903  |
| # C604, 05   | .001 10% 500V      | 403 075 7111  |
| # C708   | .001 +80% -20% 2kV | 403 175 3419  |
|  | .001 +80% -20% 2kV | 403 077 2807  |
| # For SAFETY use only equivalent replacement part. |                    |               |

CABINET PARTS

| Item                               | Mfr. Part No. |
|------------------------------------|---------------|
| MODELS AVM-2508C/G/S and AVM-2538C |               |
| Badge (SANYO)                      | 610 236 9274  |
| Button Unit                        | 610 253 7567  |
| Cabinet Front Assembly             | 610 266 0432  |
| Cabinet Rear                       | 610 264 8348  |
| Decoration Sheet (IR, Window)      | 610 258 5766  |
| REMOTE TRANSMITTER                 |               |
| Battery Cover                      | 610 271 7112  |
| Battery Cover                      | 610 271 7143  |



Created with pride by the employees  
of Howard W. Sams & Company.

*J. Barker, N. Beck, B. Buchanan,  
T. Clensy, G. Farrell, B. Fink,  
M. Herkless, J. Kocha, F. Malek,  
B. Medaris, R. Raus, B. Skinner*