

# SCHEMATIC DIAGRAM

MODEL NO.: KP-1254G

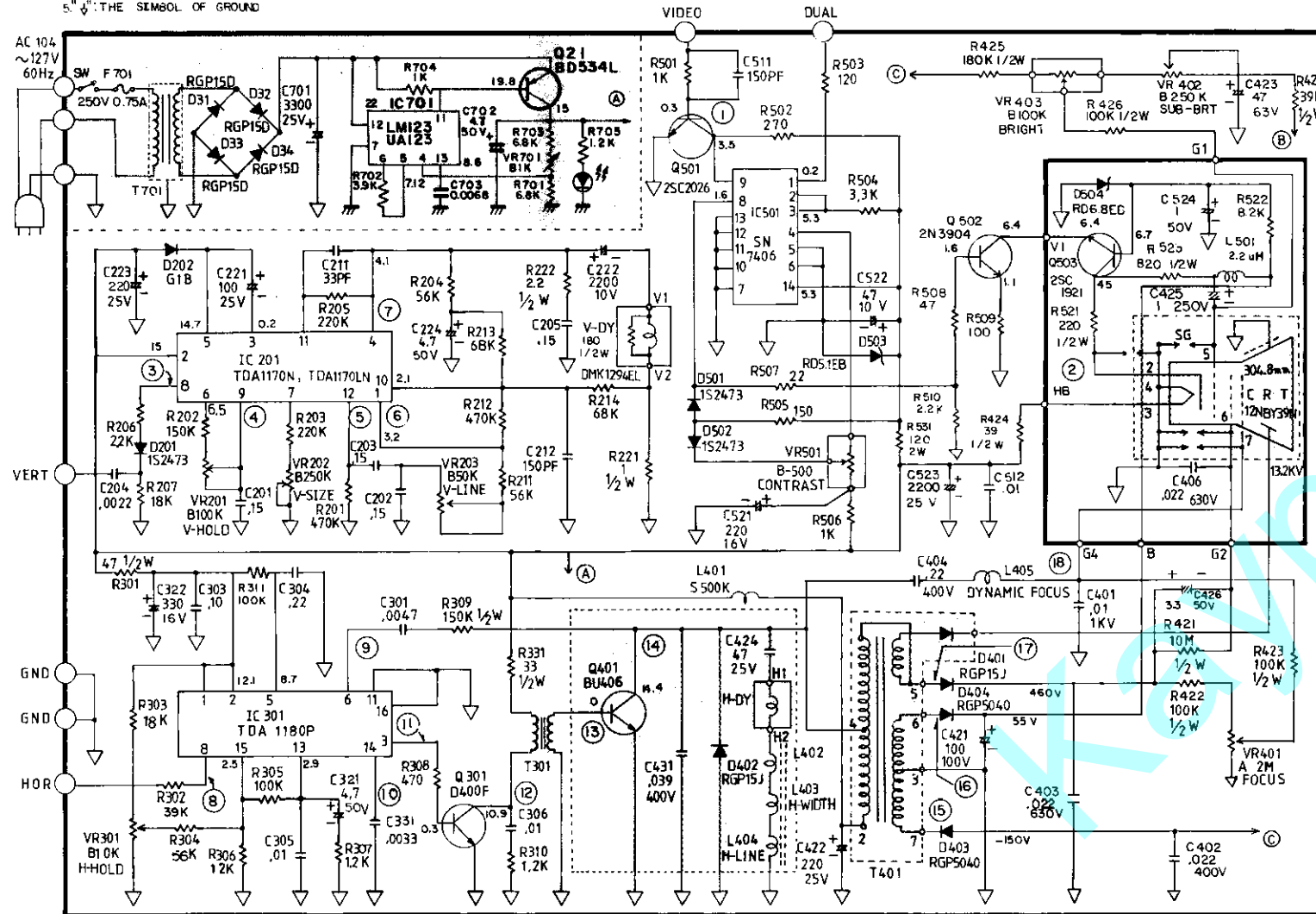
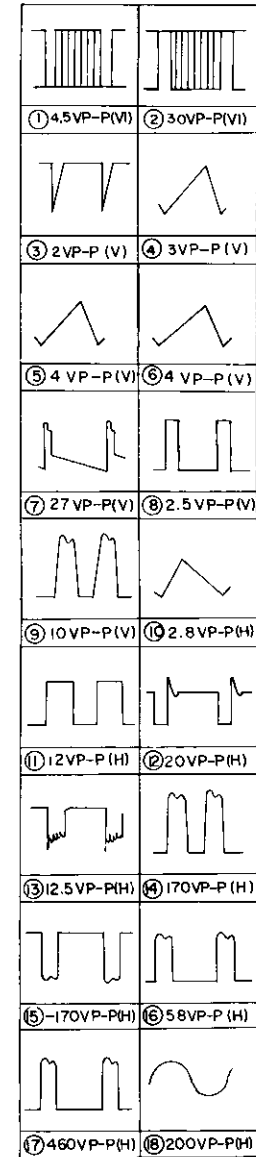
CHASSIS NO.: GSC

NOTES:

1. RESISTOR VALUES ARE IN (OHM)  $\Omega$ , K=1000  $\Omega$ , M=1000,000  $\Omega$ .
2. ALL RESISTORS ARE 1/4W EXCEPT WHERE OTHERWISE INDICATED.
3. ALL CAPACITORS ARE 50V EXCEPT WHERE OTHERWISE INDICATED.
4. CAPACITOR VALUES ARE  $\mu$ F UNLESS OTHERWISE INDICATED.  $\mu$ = $\mu$ F=10<sup>-6</sup>F.
5. "G": THE SYMBOL OF GROUND.

WARNING: THIS EQUIPMENT CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS.

AVERTISSEMENT: CET EQUIPEMENT EQUIPE DE COMPOSANTS CRITIQUES POUR LA SECURITE. TOUTES LES PIECES INDIQUEES DANS LES ZONES OMBREES DU SCHEMA SONT CRITIQUES POUR LA SECURITE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL, NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT. CONSULTER LA NOMENCLATURE DES PIECES POUR TROUVER LES PIECES DE RECHANGE EXACTES.



## Safety Tips

1. Make sure the voltage designation on your Monitor corresponds to local electrical supply before connecting the AC power cord to an outlet.
2. To avoid electric shock, never touch the inside of the Monitor. Only a qualified technician should open the Monitor's case.
3. Never use your Monitor if the power cord has been damaged. Do not allow anything to rest on the power cord, and keep the cord away from where people will walk on it.
4. Be sure to hold the plug, not the cord, when disconnecting the Monitor from an electric socket.
5. Openings in the Monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered with anything. Also, avoid using the Monitor on a bed, sofa, rug, or other soft surface, because doing so may block the ventilation openings in the bottom of the cabinet. If you put the Monitor in a bookcase or some other enclosed space, be sure that adequate ventilation is provided.
6. Be careful not to insert anything metallic into the Monitor openings. Doing so may create a danger of electric shock.
7. Put your Monitor in a location with low humidity and a minimum of dust. Avoid places like damp basements or dusty hallways.
8. Do not expose the Monitor to rain or use it near water (in kitchens, next to swimming pools, etc.). If the Monitor accidentally gets wet, unplug it and contact KAYPRO dealer immediately. You can clean the Monitor with a damp cloth when necessary, but be sure to unplug the Monitor first.
9. Place the Monitor on a solid surface, and treat it kindly. The screen is made of glass and can be damaged if dropped or hit sharply.
10. If your Monitor does not operate normally—in particular if there are any unusual sounds or smells coming from it—immediately unplug it and contact KAYPRO dealer.
11. High temperatures can cause trouble. Try not to use your Monitor in direct sunlight, and keep it away from heaters, stoves, fireplaces and other sources of heat.
12. Unplug the Monitor when it is going to be left unused for an extended period of time.

**KAYPRO®**  
Monochrome  
Monitor

## DATA DISPLAY

MODEL  
KP-1254G

Your new Display Monitor is a solid state 12-inch Display Monitor designed to display the signal from Personal Micro Computers or other signal sources. This manual has been prepared to assist you in becoming familiar with your new Display Monitor to obtain optimum results, spend a few minutes reading this manual carefully before you start operating this unit.

## FEATURES

- \* A stable display is ensured for variations in the power source voltage.
- \* Good in overall display quality.
- \* New circuits adapted enable an outstandingly sharp and steady display.
- \* Low distortion is achieved by a linearity compensating coil.
- \* Instant Action System . . . . . Immediate display is enjoyable after turn-on.
- \* Outstanding performance and reliability are achieved.

## POWER SOURCE

The monitor is manufactured and set to operate at 120 VAC/60 Hz.

- Plug the AC power cord to the specified outlet.

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

## INSTRUCTIONS TO USER

This equipment generates and uses radio frequency energy and if not installed and used properly, i.e., in strict accordance with the operating instructions, reference manuals, and the service manual, may cause interference to radio or television reception. It has been tested and found to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation.

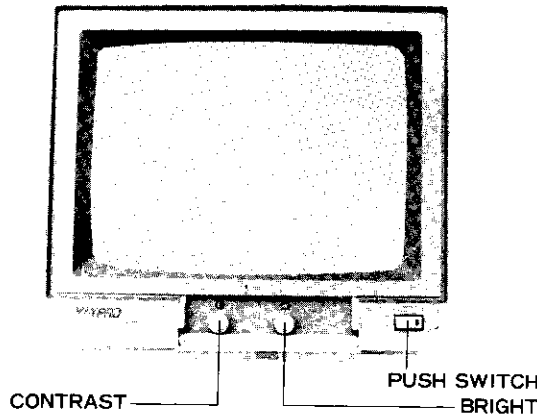
If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the equipment with respect to the receiver.
- Move the equipment away from the receiver.
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

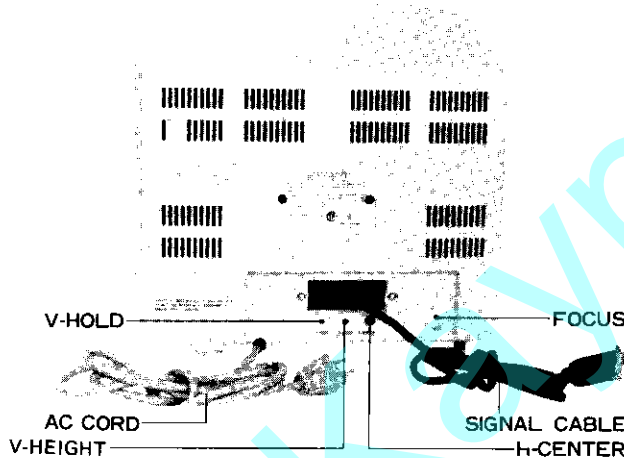
If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

## MAJOR OPERATING COMPONENTS



- 1) Power Switch : Push the power switch to turn on.
- 2) Contrast Control : Turning this control clockwise increases the display contrast.
- 3) Brightness Control : Turning this control clockwise increases the overall brightness.



- 6) Signal Cable : Connect at the terminal of CPU
- 7) Vertical Height : Adjust the height of the picture.
- 8) Vertical Hold : Adjust vertical sync. Use to correct upward or downward picture roll.
- 9) Horizontal Center : Adjust horizontal center and sync. Use to correct left or right picture shift.

## CAUTIONS

1. Do not block the ventilation slots on the rear cabinet.
2. Do not remove the back cover to prevent shock hazard because a high voltage of 13KV is generated inside the unit.
3. Avoid placement and operation in direct sunlight, near heating devices or in very humid places.
4. Do not use this monitor in locations subject to hazardous gases.
5. When wiping the cabinet, use a soft polishing cloth.
6. Do not use benzine or thinner for cleaning the set, for they may stain the cabinet.
7. This unit should be interconnected with Data Source Equipment by means of appropriate shielded cables to comply with FCC requirements on RF emission limits.

## SPECIFICATIONS

|                      |  |
|----------------------|--|
| Power Source         | : 120 VAC, 60 Hz                             |
| Power Consumption    | : Approx. 40 Watts                           |
| Input Signal         | : Separate TTL Signal                        |
| Video Response       | : More than 20 MHz (at - 3dB)                |
| Scanning Frequency   | : Horizontal: 18.432 KHz<br>Vertical : 50 Hz |
| Deflection Linearity | : Approx. 8%                                 |
| Deflection Geometry  | : Less than 2%                               |
| High Voltage         | : 13 KV nominal                              |
| Picture Tube         | : 12-inch, 90° deflection (Green or Amber)   |

\* Specifications and performance are subject to change without notice due to improvement.

\* This Monitor was adjusted with IBM 5150 Personal Computer.

\* In case of using IBM XT, add TTL monochrome adapter card in the IBM XT Personal Computer.

## OPERATION

1. Connect the signal cable from this monitor to the connector (9 PIN "D" TYPE) in the back of the personal computer.
2. Connect the power cord with specified outlet, and push the power switch to set the unit on. It will be a few seconds before the picture comes on to the screen.
3. Adjust the CONTRAST and BRIGHTNESS controls to make the picture at the level most pleasing to your eyes.
4. To adjust the picture to the center of the screen, use H-CENTER for horizontal adjustment.