

A

B

C

D

E

F

G

H

A-Board Schematic (Left Portion)

TNP2AH017

A

JK3002
TJB2AA0046

MTNC000417C1

Sheet 1 of 2
Side AA-Board Schematic
(Left portion)

CT-27D10B/DBUB

Boards Designation

- A-Board - Main Chassis
- C-Board - CRT Drive

Voltage Measurements

- Voltage measurement:
 - AC Input to the Receiver is 120V.
 - NTSC (HD, 1125i & 525P when applicable) signal generator is connected to the antenna of the Receiver. (Color bar pattern of 100 IRE white and 7.5 IRE black).
 - All Picture and Audio adjustments are set to Normalize.
 - TV ANT/CABLE - (Set-Up Menu) in TV/ANT Mode
 - Volume - Min.
 - TV/Video SW - TV position
 - Audio Mode - Stereo
- Ground symbol Φ indicates ground lead connection of meter. Incorrect ground connection will result in erroneous readings.
CAUTION: Incorrect ground connection of the test equipment will result in erroneous readings.

Schematic Notes

- Resistors are carbon 1/4W unless noted otherwise.
- Capacitors are ceramic 50V unless noted otherwise.
- Coil value notes is inductance in μ H.
- Test point indicated by ∇ : Test point but no pin.
- Components indicated with Δ are critical parts and replacement should be made with manufacturer specified replacement parts only.
- (BOLD LINE) indicates the route of B+ supply.
- The schematic diagrams are current at the time of printing and are subject to change without notice.
- Ground symbol Φ indicates HOT GROUND CONNECTION. ∇ indicates COLD GROUND.
- NOTE: All other component symbols are used for engineering design purposes.

Waveform Measurements

- Indicates waveform measurement. (Measurement can be taken at the best accessible location in common to the indicated point.)
- Taken with an NTSC signal generator connected to the antenna terminal. (NTSC color bar pattern of 8 bars of EIA colors, 100 IRE white and 7.5 IRE black).
- Customer Controls (Picture/Audio Menu) are set to "MIN".
- All video and color waveforms are taken with a wideband scope and a probe with low capacitance (10 to 1). Shape and peak altitudes may vary depending on the type of Oscilloscope used and its settings.
- Ground symbol Φ shown on waveform number indicates (Hot) ground lead connection of the Oscilloscope.
CAUTION: Incorrect ground connection of the test equipment will result in erroneous readings.

IMPORTANT SAFETY NOTICE

THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES THAT ARE IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURERS SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS DESIGNATED WITH A Δ IN THE SCHEMATIC.

Notes:

Check Parts List for most recent component values and part numbers.
Obtain voltages with a digital multimeter.

See Sheet 2 Side A for Right Portion of Schematic
Overlapping Section