Service Manual



Colour Television TX-28LDM4F TX-25LDM4F

EURO4 Chassis

SPECIFICATIONS (Information in brackets { } refers to model TX-25LDM4F) AV2 IN Video (21 pin) 1V p-p 75Ω **Power Source:** 220-240V AC, 50Hz Audio (21 pin) $500mV rms 10k\Omega$ S-Video IN Y: 1V p-p 75Ω **Power Consumption:** 85W C:0.3V p-p 75Ω (21-pin) Aerial Impedance: 75Ω unbalanced, Coaxial Type AV2 OUT Video (21 pin) 1Vp-p 75Ω Audio (21 pin) 500mV rms $1k\Omega$ Stand-by Power Selectable output (21 pin) 1.8W **Consumption:** AV3 IN 500mV rms 10kΩ Audio (RCAx2) Video (RCAx1) 1V p-p 75Ω **Receiving System:** PAL-I, B/G, H, D/K, PAL-525/60 SECAM L/L' B/G, D/K **High Voltage:** 28,5kV ±1kV {28,2kV ±1kV} M.NTSC Picture Tube: A66ECF50X41 66cm NTSC (AV only) {A59ECF50X41 59cm} 2 x 15W (Music Power) Audio Output: **Receiving Channels:** 8Ω Impedance VHF E2-E12 VHF H1-H2 (ITALY) **Headphones:** 8Ω Impedance VHF A-H (ITALY) VHF R1-R2 VHF R6-R12 VHF R3-R5 Accessories UHF E21-E69 CATV (S01-S05) supplied : Remote Control CATV S1-S10 (M1-M10) CATV \$11-S20 (U1-U10) 2 x R6 (UM3) Batteries CATV S21-S41 (HYPERBAND) Dimensions: Height: 596,5 mm {550,5 mm} **Intermediate Frequency:** Width: 778 mm {730 mm} 38,9MHz, 34MHz Video Depth: 481 mm {478,5 mm} Audio 32,9MHz, 33,4MHz, 33,16MHz 32,4MHz, 40,4MHz, 33,05MHz Net weight: 32kg {27kg} 32.66MHz Colour 34,47MHz (PAL) Specifications are subject to change without notice. 34,5MHz, 34,65MHz (SECAM) Weights and dimensions shown are approximate. Video/Audio NOTE: This Service Manual should be used in conjunction with Terminals[.] the EURO4 technical guide. AUDIO MONITOR OUT Audio (RCAx2) 500mV rms 1kΩ 1V p-p 75Ω AV1 IN Video (21 pin) Audio (21 pin) $500 \text{mV} \text{ rms} 10 \text{k}\Omega$ RGB (21 pin)

 AV1 OUT
 Video (21 pin)
 1V p-p 75Ω

 Audio (21 pin)
 500mV rms 1kΩ

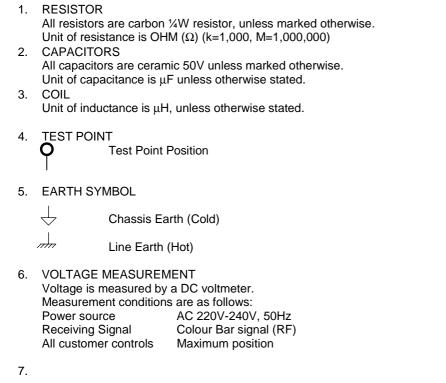
Panasonic

SCHEMATIC DIAGRAMS FOR MODELS TX-28LDM4F / TX-25LDM4F (EURO-4 CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by A mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

NOTE





Indicates the Video signal path

Indicates the Audio signal path

These schematic diagrams are the latest at time of printing and are subject to change without notice.

REMARKS

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

NOTE

 The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

