

Service Manual



Colour Television

TX–28MDX3E

TX–25MDX3E

EURO–2M Chassis

Power Source : 220–240V AC 50Hz

Accessories supplied : Remote Control
UM3 Battery

Aerial Impedance : 75Ω unbalanced, Coaxial Type

Receiving System : PAL–BG, H, PAL 60
SECAM BG
M. NTSC NTSC (AV only)

Receiving Channels : VHF E2 – E12
VHF H1 – H2 (ITALY) VHF A – H (ITALY)
UHF E21 – E69 CATV (S01 – S05)
CATV S1 – S10 (M1 – M10) CATV S11 – S20 (U1 – U10)
CATV S21 – S41 (HYPERBAND)

Intermediate Frequency :
Video 38.9 MHz
Sound 33.4 MHz 33.16 MHz,
32.4 MHz
Colour 34.65 MHz 34.47 MHz 34.5 MHz
Headphones 8 Ω Impedance

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

**Video / Audio
Terminals :**

AUDIO MONITOR OUT Audio (RCA x 2) 500mVrms, 1kΩ

AV1 IN Video (21 pin) 1 Vp–p 75Ω
Audio (21 pin) 500mV rms, 10kΩ
RGB (21 pin)

AV1 OUT Video (21 pin) 1 Vp–p 75Ω
Audio (21 pin) 500mV rms, 1kΩ

AV2 IN Video (21 pin) 1 Vp–p 75Ω
Audio (21 pin) 500mV rms, 10 kΩ
S–Video IN Y : 1 Vp–p 75Ω
(21 pin) C : 0.3 Vp–p 75Ω

AV2 OUT Video (21 pin) 1 Vp–p 75Ω
Audio (21 pin) 500mV rms, 1kΩ

AV3 IN Audio (RCA x 2) 500mV rms, 10kΩ
Video (RCA x 1) 1 Vp–p 75Ω

Specifications	TX–28MDX3E	TX–25MDX3E
Power Consumption	94W	92W
Net Weight	31 kg	26kg
Picture Tube	66 cmV measured diagonally	59 cmV measured diagonally
High Voltage	28Kv ± 1 Kv at zero beam current	28Kv ± 1 Kv at zero beam current
Height	576mm	535mm
Depth	472mm	440mm
Width	666mm	601mm
Audio Output Internal Speaker	2 x 15 W (Music Power) 8Ω	2 x 15 W (Music Power) 8Ω

Panasonic

SCHEMATIC DIAGRAM FOR MODELS TX-28MDX3E TX-25MDX3E (EURO-2M CHASSIS)

IMPORTANT SAFETY NOTICE

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

Notes

1. RESISTOR
All resistors are carbon 1/4W resistor, unless marked.
Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).
2. CAPACITOR
All capacitors are ceramic 50V capacitors, unless marked, the unit of capacitance is μ F unless otherwise stated.
3. COIL
Unit of inductance is μ H, unless otherwise stated.
4. TEST POINT
 : Test Point position
5. EARTH SYMBOL
 : Chassis Earth (Cold)
 : Line Earth (Hot)
6. VOLTAGE MEASUREMENT
Voltage is measured by a DC voltmeter.
Measurement conditions are as follows:

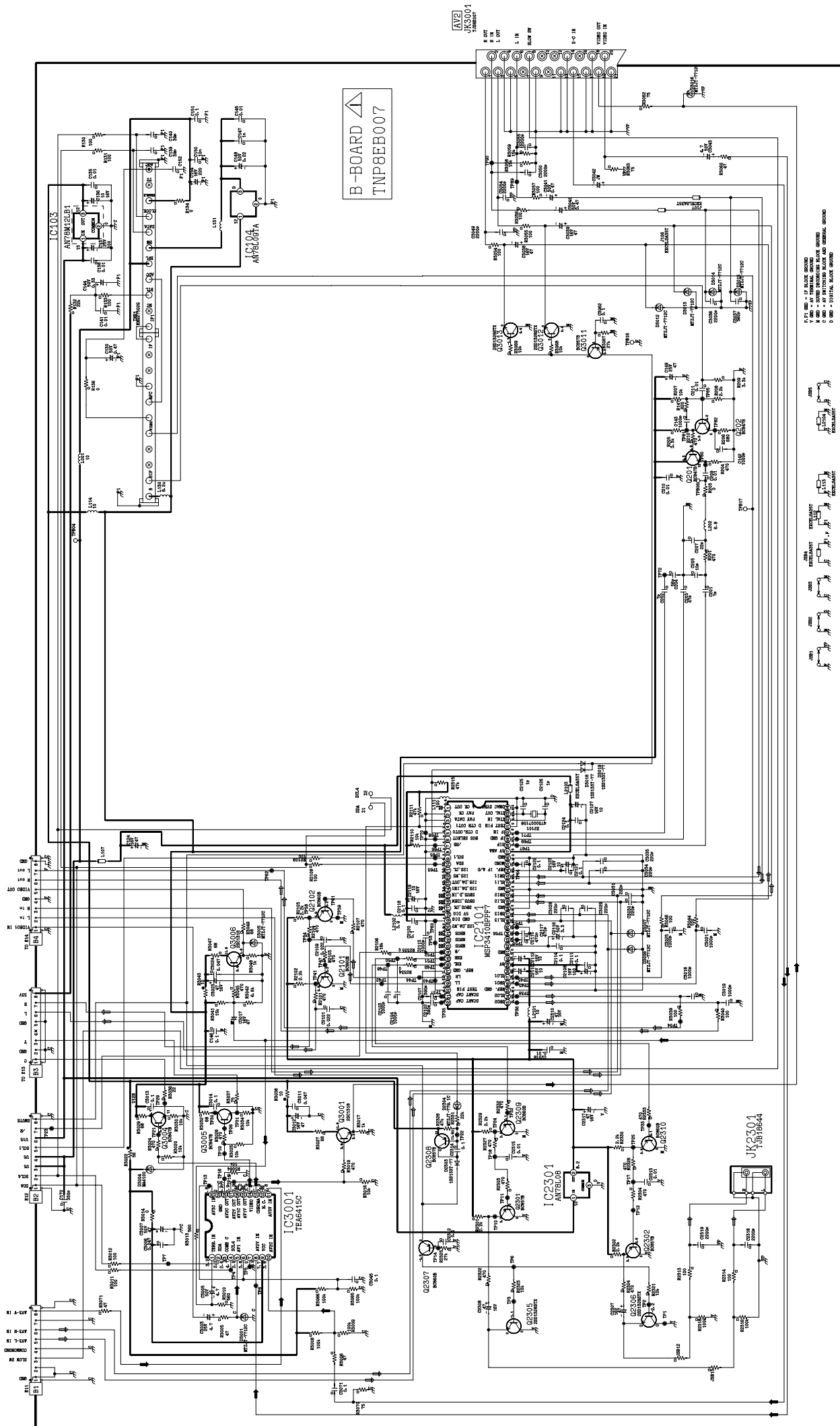
Power source	AC 220-240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position
7.
 : Indicates the Video signal path
 : Indicates the Audio signal path
 : Indicates the Vertical/Horizontal signal path
8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

Precautions

- 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.

Remarks

1. The Power 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.



JK3102
TJB16673

AC_CORD
TSX8E0017 (UK)

