

# TX-W28D2F Service Manual Supplement

Specifications

Differences

Reserved

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Service Support

Service and repair of this product is supported by Panasonic's LUCI interface.

This interface provides a link between the TV and a standard PC to allow a number of diagnostic and control functions to be performed.

For more details contact your local Panasonic company.

  
BACK

EXIT

# Service Manual



**SUPPLEMENT - 1**

**Colour Television**

**TX-W28D2F**

**EURO-3HW Chassis**

**NOTE:**

This Supplement should be used in conjunction with the TX-W28D2F SERVICE MANUAL and ONLY applies from Serial Number : - LF7130001

**BEMERKUNG:**

Verwenden Sie diesen Nachtrag zusammen mit dem SERVICE MANUAL vom TX - W28D2F für Geräte ab der Serien-Nummer :- LF7130001

## Specifications

<b>Power Source :</b>	220 - 240 V AC, 50Hz
<b>Power Consumption :</b>	157W
<b>Aerial Impedance :</b>	75Ω unbalanced, Coaxial Type
<b>Receiving System :</b>	PAL B/G, D/K, I, H, PAL - 60 SECAM B/G, D/K, L/L' M.NTSC, NTSC (AV Only)
<b>Receiving Channels :</b>	VHF E2 - E12 VHF A - H (ITALY) VHF R1 - R2 VHF R3 - R5 UHF E21 - E69
VHF H1 - H2 (ITALY)	
VHF R1 - R2	
VHF R3 - R5	
UHF E21 - E69	
CATV (S01 - S05)	CATV S1 - S10 (M1 - M10)
CATV S11 - S20 (U1 - U10)	CATV S21 - S41 (HYPERBAND)
<b>Intermediate Frequency :</b>	
Video	38.9MHz, 34MHz
Sound	32.9MHz, 33.4MHz, 33.16MHz, 32.4MHz 40.4MHz, 34.05MHz, 33.05MHz
Colour	34.65MHz, 34.47MHz, 34.5MHz
<b>Video / Audio Terminals</b>	
<b>AUDIO MONITOR OUT</b>	Audio (RCA x 2) 500 mV rms 1kΩ
<b>AV1 IN</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10kΩ RGB (21 pin)
<b>AV1 OUT</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
<b>AV2 IN</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10 kΩ S-Video IN Y : 1 Vp-p 75Ω (21 pin) C : 0.3 Vp-p 75Ω
<b>AV2 OUT</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ Selectable output (21 pin)
<b>AV3 IN</b>	S-Video IN Y : 1 Vp-p 75Ω (4-pin) C : 0.3 Vp-p 75Ω Audio (RCA x 2) 500 mV rms 10kΩ Video (RCA x 1) 1 Vp-p 75Ω
<b>AV4 IN</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10kΩ
<b>AV4 OUT</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
<b>High Voltage :</b>	30.5 kV ± 1kV at zero beam current
<b>Picture Tube :</b>	W66EHK51X71 66 cm 106° deflection
<b>Audio Output :</b>	
Internal Speaker	2 x 20W (Left/Right) (Music Power) 26W (3D Bass) (Music Power) 8 Ω Impedance
Headphones	8 Ω Impedance
<b>Accessories supplied :</b>	Remote Control 2 x R6 (UM3) Batteries
<b>Dimensions :</b>	Height : 497mm Width : 760mm Depth : 503mm
<b>Net Weight</b>	39kg

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

## Technische Daten

<b>Netzspannung :</b>	220 - 240 V AC, 50Hz
<b>Leistungsaufnahme :</b>	157W
<b>Antennenimpedanz :</b>	75Ω asymmetrisch, Koaxial - Typ
<b>Empfangssystem :</b>	PAL B/G, D/K, I, H, PAL - 60 SECAM B/G, D/K, L/L' M.NTSC, NTSC (nur AV Eingang)
<b>Empfangsbereiche :</b>	VHF E2 - E12 VHF A - H (ITALY) VHF R1 - R2 VHF R3 - R5 UHF E21 - E69
VHF H1 - H2 (ITALY)	
VHF R1 - R2	
VHF R3 - R5	
UHF E21 - E69	
CATV (S01 - S05)	CATV S1 - S10 (M1 - M10)
CATV S11 - S20 (U1 - U10)	CATV S21 - S41 (HYPERBAND)
<b>Zwischenfrequenz :</b>	
Video	38.9MHz, 34MHz
Sound	32.9MHz, 33.4MHz, 33.16MHz, 32.4MHz 40.4MHz, 34.05MHz, 33.05MHz
Colour	34.65MHz, 34.47MHz, 34.5MHz
<b>Video / Audio Anschlüsse :</b>	
<b>AUDIO MONITOR AUSGANG</b>	Audio (RCA x 2) 500 mV rms 1kΩ
<b>AV1 EINGANG</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10kΩ RGB (21 pin)
<b>AV1 AUSGANG</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
<b>AV2 EINGANG</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10 kΩ S-Video IN Y : 1 Vp-p 75Ω (21 pin) C : 0.3 Vp-p 75Ω
<b>AV2 AUSGANG</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ Selectable output (21 pin)
<b>AV3 EINGANG</b>	S-Video IN Y : 1 Vp-p 75Ω (4-pin) C : 0.3 Vp-p 75Ω Audio (RCA x 2) 500 mV rms 10kΩ Video (RCA x 1) 1 Vp-p 75Ω
<b>AV4 EINGANG</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10kΩ
<b>AV4 AUSGANG</b>	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
<b>Hochspannung :</b>	30.5 kV ± 1kV bei Nullstrahlstrom
<b>Bildrohre :</b>	W66EHK51X71 66 cm 106° Ablenkung
<b>Ton Ausgangsleistung :</b>	
Einbaulautsprecher	2 x 20W (Links/Rechts) (Musikleistung) 26W (3D Bass) (Musikleistung) 8 Ω Impedanz
Kopfhörer	8 Ω Impedanz
<b>Mittel. Zubehör</b>	Fernbedienung 2 x R6 (UM3) Batterien
<b>Abmessungen :</b>	Höhe : 497mm Breite : 760mm Tiefe : 503mm
<b>Gewicht</b>	39kg

Änderungen der technischen Daten vorbehalten.  
Gewichte und Abmessungen sind Näherungsangaben.

**Panasonic**

## DIFFERENCES FOR TX – W28D2F

DESCRIPTION		TX – W28D2F	TX – W28D2F
		ORIGINAL	NEW
7) C.R.T.	△	W66LHQ085X05	W66EHK51X71
9) Y – PCB	△	TNPA0292AD	TNPA0292AH
10) DEGAUSS COIL	△	TLK8E05121	TXFL01BHRG
15) D – PCB	△	TNPA0295AB	TNPA0295AL
21) E – PCB	△	TNPH0063AE	TNPH0063AP

COMPONENT REF No	DESCRIPTION	TX – W28D2F	TX – W28D2F
		ORIGINAL	NEW
C555	CAPACITOR	TAC4R6T622JC	TAC4R6T562JC
R370	RESISTOR	ERQ1CKPR82S	ERQ1CKPR68S
R913	RESISTOR	ERJ6GEYJ183V	ERJ6GEYJ153V
R914	RESISTOR	ERJ6GEYJ222V	ERJ6GEYJ122V
R915	RESISTOR	ERJ6GEYJ182V	ERJ6GEYJ242V
R916	RESISTOR	ERJ6GEYJ221V	ERJ6GEYJ101V