

# TX-W28D2F Service Manual Supplement

**Specifications**

**Differences**

**Reserved**

**Reserved**

**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

**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 H1 - H2 (ITALY)	VHF A - H (ITALY)
VHF R1 - R2	VHF R3 - R5
VHF R6 - R12	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.

**NOTE:**

CE SUPPLEMENT DOIT ETRE UTILISE CONJOINTEMENT AVEC LE MANUEL TECHNIQUE DU TX - W28D2F ET NE S'APPLIQUE QU'A PARTIR DU NUMERO DE SERIE LF7130001

**Caractéristiques**

<b>Alimentation :</b>	220 - 240 V AC, 50Hz
<b>Power Consumption :</b>	157W
<b>Impédance d'antenne :</b>	75Ω asymétrique sur prise coaxiale
<b>Système de réception :</b>	PAL B/G, D/K, I, H, PAL - 60 SECAM B/G, D/K, L/L' M.NTSC, NTSC (Entrée AV seulement)
<b>Canaux de réception :</b>	VHF E2 - E12
VHF H1 - H2 (ITALY)	VHF A - H (ITALY)
VHF R1 - R2	VHF R3 - R5
VHF R6 - R12	UHF E21 - E69
CATV (S01 - S05)	CATV S1 - S10 (M1 - M10)
CATV S11 - S20 (U1 - U10)	CATV S21 - S41 (HYPERBAND)
<b>Fréquence Intermédiaire :</b>	
Vidéo	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>Les bornes vidéo/audio :</b>	
<b>Audio monitor sortie</b>	Audio (RCA x 2) 500 mV rms 1kΩ
<b>Entrée AV1 (21 broches)</b>	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 10kΩ RGB
<b>Sortie AV1 (21 broches)</b>	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 1kΩ
<b>Entrée AV2 (21 broches)</b>	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 10 kΩ S-Video IN Y : 1 Vp-p 75Ω (21 broches) C : 0.3 Vp-p 75Ω
<b>Sortie AV2 (21 broches)</b>	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 1kΩ Sortie Commutable (21 broches)
<b>Entrée AV3</b>	S-Vidéo IN Y : 1 Vp-p 75Ω (4-pin) C : 0.3 Vp-p 75Ω Audio (RCA x 2) 500 mV rms 10kΩ Vidéo (RCA x 1) 1 Vp-p 75Ω
<b>Entrée AV4 (21 broches)</b>	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 10kΩ
<b>Sortie AV4 (21 broches)</b>	Vidéo 1 Vp-p 75Ω Audio 500 mV rms 1kΩ
<b>Tension d'anode :</b>	30.5 kV ± 1kV
<b>Tube image :</b>	W66EHK51X71 66 cm 106° mesure diagonale
<b>Sortie Audio :</b>	
Hautes parleurs intérieurs	2 x 20W (Gauche/Droite) (Music Power) 26W (3D Bass) (Music Power) 8 Ω Impédance
Casque d'écoute	8 Ω Impédance
<b>Accessories fournis :</b>	Télécommande R6 (UM3) Piles x 2
<b>Dimensions :</b>	Hauteur : 497mm Largeur : 760mm Profondeur : 503mm
<b>Poids (NET) :</b>	39kg

Les caractéristiques techniques sont susceptibles de modification sans Préavis.  
Le poids et les dimensions indiqués sont approximatifs.

**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