

# Service Manual

## Supplement

Colour Television EURO 2 Chassis

# TX-28LD2E

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# Service Manual



**SUPPLEMENT -1**

**Colour Television  
TX-28LD2E**

**EURO 2 Chassis**

**NOTE:**

THIS SUPPLEMENT SHOULD BE USED IN CONJUNCTION  
WITH THE TX-28LD1E SERVICE MANUAL

## Specifications

<b>Power Source :</b>	220 - 240 V AC, 50Hz
<b>Power Consumption :</b>	97W
<b>Aerial Impedance :</b>	75Ω unbalanced, Coaxial Type
<b>Receiving System :</b>	PAL B/G,H PAL - 60 SECAM B/G
<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
Sound	33.4MHz, 33.16MHz 32.4MHz, 33.05MHz
Colour	34.47MHz (PAL) 34.65MHz, 34.5MHz (SECAM)
<b>Video / Audio Terminals :</b>	
AUDIO MONITOR OUT	Audio (RCA x 2) 500 mV rms 1kΩ
AV1 IN	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 10kΩ RGB (21 pin)

AV1 OUT	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
AV2 IN	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
AV2 OUT	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500 mV rms 1kΩ
AV3 IN	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>High Voltage :</b>	28kV ± 1kV at zero beam current
<b>Picture Tube :</b>	A66ECF50X12
<b>Visible screen size:</b>	66 cm
<b>Audio Output :</b>	
Internal Speaker	2 x 15 W (Music Power) 8 Ω Impedance
Headphones	8 Ω Impedance
<b>Accessories supplied :</b>	Remote Control R6 (UM3) Battery
<b>Dimensions :</b>	
Height :	582mm
Width :	752mm
Depth :	462mm
<b>Net Weight</b>	32kg
Specifications are subject to change without notice. Weight and dimensions shown are approximate.	

		TX – 28LD1E	TX – 28LD2E
DESCRIPTION		ORIGINAL	NEW
2) CABINET	△	TKY8E041	TKY8E041—3
3) CRT	△	A66ECF40X12	A66ECF50X12
4) CRT FIXING SCREW		THE492—4	THT8E001
5) Y PCB	△	TNP117070AA	TNP117070AC
6) B/COVER LABEL		TBM8E1472	TBM8E1568
7) BACKCOVER	△	TKU8E00200	TKU8E00200—1
9) E PCB	△	TNP197091AT	TNP197091BF
16) DEGAUSS COIL	△	TLK8E05116	TLK8E05125
INST BOOK GERMAN	△	TQB8E2021A	TQB8E2182A
INST BOOK DUTCH	△	TQB8E2021B	TQB8E2182B
INST BOOK FRENCH	△	TQB8E2021D	TQB8E2182D
INST BOOK SPANISH	△	TQB8E2021E	TQB8E2182E
INST BOOK SWEDISH	△	TQB8E2021F	TQB8E2182F
INST BOOK NORWEGIAN	△	TQB8E2021G	TQB8E2182G
INST BOOK FINNISH	△	TQB8E2021H	TQB8E2182H
INST BOOK PORTUGUESE	△	TQB8E2021J	TQB8E2182J
INST BOOK DANISH	△	TQB8E2021K	TQB8E2182K
CARTON		TPC8E4512	TPC8E4558
TOP CUSHION		TPD8E611	TPD8E611—1
BOTTOM CUSHION		TPD8E612	TPD8E612—2

CR No	DESCRIPTION	ORIGINAL	NEW
C011	CAPACITOR	ECQB1H104KF3	NIL
C464	WIRE LINK	NIL	T3A205016
C606	CAPACITOR	NIL	ECUV1H040CCX
C607	CAPACITOR	NIL	ECUV1H040CCX
C625	CAPACITOR	ECEA1HNR22UB	ECEA1HNR33SB
C3020	CAPACITOR	NIL	ECCF1H070DC
C3026	CAPACITOR	ECEA1HMR47GB	ECEA1CM470B
C3027	CAPACITOR	ECEA1HMR47GB	ECEA1CM470B
D511	DIODE	NIL	RLS72TE—11
D603	DIODE	NIL	MA165TA5VT
D609	DIODE	MA167TA5	T3A205016
D904	DIODE	T3A205016	MA165TA5VT
D906	DIODE	NIL	RLS72TE—11
D1210	DIODE	NIL	MA165TA5VT
IC601	VIDEO I.C.	VDP3108—25	VDP3108APPA1
IC1202	EPROM	27C010—08ALE	27C028—LD2E
IC1203	EAROM	X24C16P—J1E	X24C0804DJ
IC2101	AUDIO I.C.	MSP3400—15	MSP3400CPPC6
JSE031	WIRE LINK	NIL	ERJ6GEY0R00V
JSE036	WIRE LINK	NIL	ERJ6GEY0R00V
JSE038	WIRE LINK	NIL	ERJ6GEY0R00V
JSY5	WIRE LINK	NIL	T3A206022
J188	WIRE LINK	T3A206022	NIL
J194	WIRE LINK	NIL	T3A206022

CR No	DESCRIPTION	ORIGINAL	NEW
J197	WIRE LINK	NIL	T3A206022
J26	WIRE LINK	NIL	T3A205016
L002	COIL	TLT047K991R	ELESN4R7KA
L608	WIRE LINK	NIL	T3A206022
L801	COIL	298—19711	EXCELSA24T
Q908	TRANSISTOR	2SA1535ARLB	2SB940APLB
Q909	TRANSISTOR	2SC3944ARLB	2SD1264APLB
R302	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R306	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R310	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R512	RESISTOR	ERJ6GEYJ472V	NIL
R558	RESISTOR	ERDS1TJ124T	ERDS1TJ134T
R620	RESISTOR	NIL	ERJ6GEYJ472V
R622	RESISTOR	ERJ6GEY0R00V	ERJ6GEYJ472V
R706	RESISTOR	ERJ6GEYJ332V	ERJ6GEYJ222V
R707	RESISTOR	ERJ6GEYJ122V	ERJ6GEYJ911V
R813	RESISTOR	ERD50FJ334P	ERD50FJ274P
R815	RESISTOR	NIL	ERDS1TJ563T
R818	RESISTOR	ERD50FJ564P	ERD50FJ104P
R819	RESISTOR	ERD50FJ564P	ERD50FJ184P
R904	RESISTOR	ERJ6GEYJ102V	ERJ6GEYJ222V
R928	RESISTOR	ERDS2TJ2R7T	ERDS2TJ5R6T
R930	RESISTOR	ERDS2TJ2R7T	ERDS2TJ5R6T

JK3102  
TJB16673

AV3

AC CORD  
TSX8E0017 (UK)

JK3101  
TJB88007

AV1

\* VOLTAGES MAY VARY

