



Colour Television Service Manual

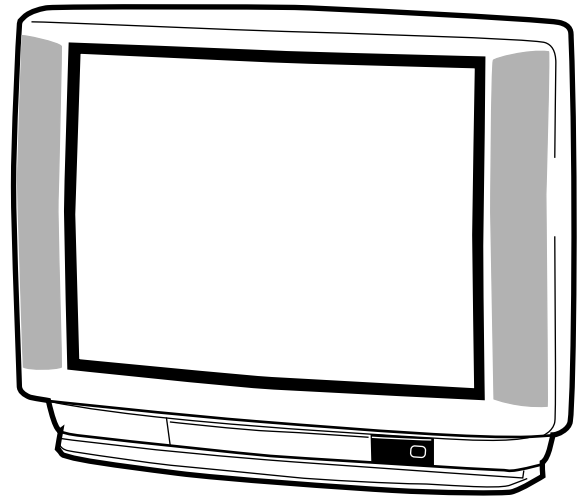
CE25DN3-B

Chassis:

EB4-A(MKII)

Service Ref.No.:

CE25DN3-B-01



MODEL HISTORY

Service Ref.No. **CE25DN3-B-01**

Original manual (CRT A59EHJ43X38)

Service Ref.No. **CE25DN3-B-04**

Supplement manual (CRT A59EHJ43X38)

Tuner change in conjunction with new board layout. The Tuner used on this cannot be inter replaced on CE25DN3-B-01 as the Main Board is physically different.

Service Ref.No. **CE25DN3-B-07**

Supplement manual (CRT A59EHJ43X38)

As CE25DN3-B-04 but also using new CRT board.

Service Ref.No. **CE25DN3-B-12**

Supplement manual (CRT A59EHJ43X38)

As CE25DN3-B-04 but with changes on the Audio board because of change to IC 3451.

Give complete "SERVICE REF. NO." for parts order or servicing, it is shown on the rating sheet on the cabinet back of the TV set.

Note

This TV receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specifications for the design specifications

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SAFETY PRECAUTION

- | | |
|--|--|
| <p>1: An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary of the converter transformer of the set.</p> <p>2: Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube.</p> | <p>3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, isolation resistor-capacitor networks etc. Before returning any television to the customer, the service technician must be sure that it is completely safe to operate without danger of electrical shock.</p> |
|--|--|

X-RADIATION PRECAUTION

The primary source of X-RADIATION in the television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. Refer to this service manual, high voltage adjustment for specific high voltage limit. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for +B1 volt power supply adjustment, and high voltage adjustment to maintain the high voltage within the specified limits.

PRODUCT SAFETY NOTICE

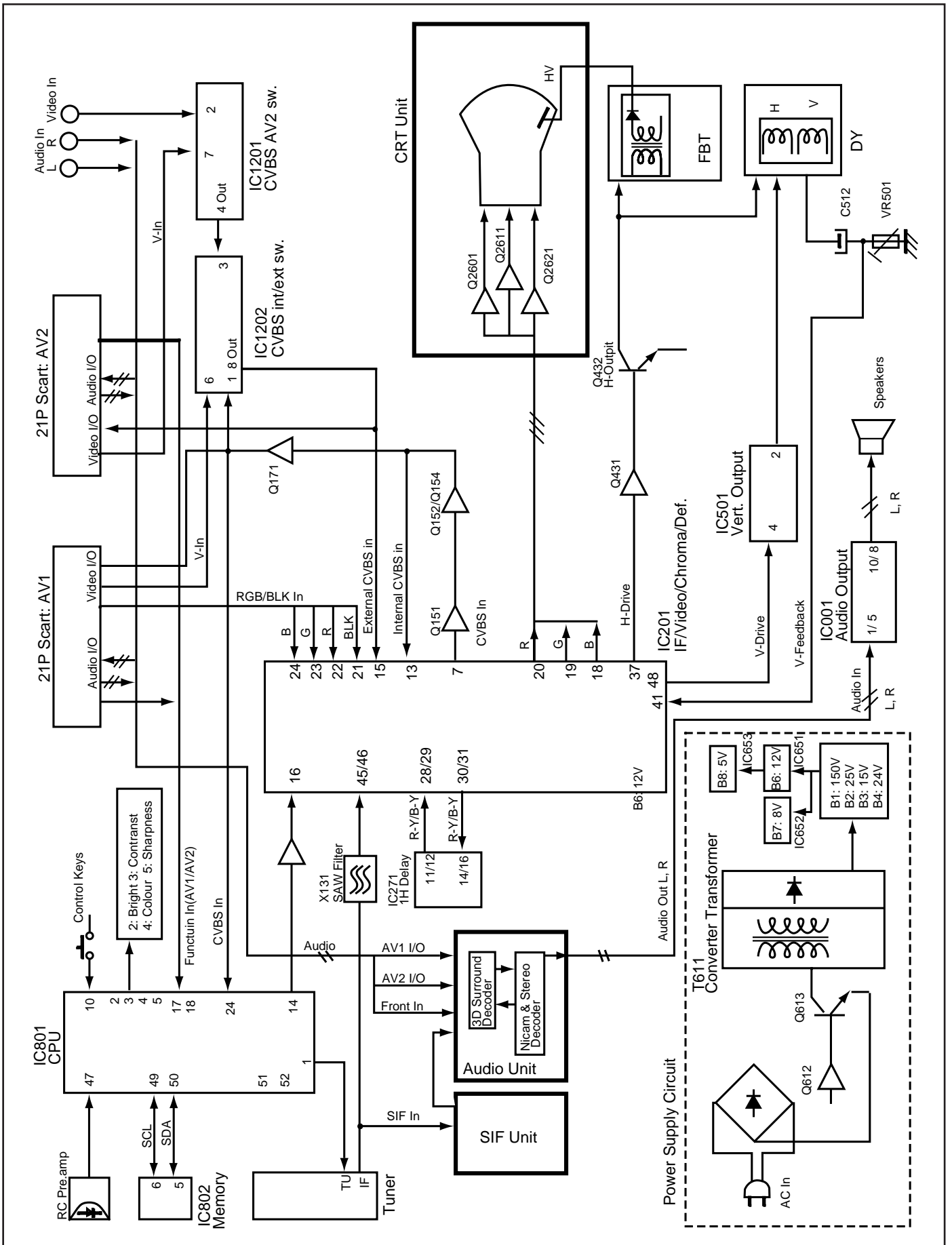
Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark ! in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark ! . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark ! .

PRODUCT SPECIFICATIONS

Power source	AC 220~240V 50Hz
Television system	System I
Colour system	PAL
Receiving channel	UHF: #21~69
Aerial input impedance	75ohm
AV terminal	
21 Pin socket	CENELEC standard
Sound output (CONT)	5 watts X2
Picture tube	63cm diagonal, 110 degree
(Visible picture diagonal)	59cm
Dimensions (WxHxD)	680 x 543 x 447mm
Weight	26 Kg

BLOCK DIAGRAM

This is a diagram for all models and therefore differs slightly from the actual block diagram.



CIRCUIT DESCRIPTION

1. POWER SUPPLY

The power supply circuit of the EB4-A chassis is composed of a rectifier smoothing circuit, an oscillation circuit, a control circuit and an output rectifier circuit. The AC input voltage is full-wave rectified by the rectifier smoothing circuit, and an unstable DC voltage is generated at both terminals of the smoothing capacitor C607. This voltage is input to the oscillation circuit. The oscillation circuit is provided with a blocking oscillator circuit that switches the switching transistor Q613 ON and OFF, and an oscillation frequency and a duty square wave pulse are generated in the input windings according to operation of the control circuit. A square-wave pulse whose size is dependent on the turn ratio of the input and output windings is obtained in the output winding. This is rectified in the output rectifier circuit, and the desired DC voltage is obtained.

2. IF & DEFLECTION (TDA8361)

The IF output signal from the tuner passes through the SAW filter, and it is input to pin45 and pin46 of IC201. The signal input to the IC passes through the IF amplifier, video detection and video amplifier circuits and is output from pin7 as a composite video signal. And after this signal is converted to impedance at Q151, supplies to the video and chroma amplifier stages.

The sync.-separation circuit separates the video signals applied to pin13(internal video signal) or pin15(external video signal) to vertical- and horizontal-sync. signals respectively. The horizontal oscillator requires no external components and is fully integrated. The oscillator is always running when the start-pin36 is supplied with 8V. Horizontal drive signal is output from pin37. VR361 is for adjustment of the horizontal centring. The separated vertical-sync. signal from sync. separation circuit passes through the vertical-separation circuit, and applied to trigger divider circuit. The horizontal oscillation pulse and input vertical sync. pulse are monitored by the trigger divider circuit, and switching 50Hz and 60Hz system, the vertical amplitude automatically adjusted for 50Hz and 60Hz. The output signal from the trigger divider is triggered vertical oscillation circuit consisting of C351, R352 and pin42, and vertical drive pulse is output from pin43. VR501 is for changing the amount of AC feedback applied to pin41 and for adjustment of the vertical amplitude.

3. VIDEO CHROMA & R.G.B. (TDA8361)

The composite video signal output from the pin7 of IC101 passes through Q151-Q154, and it is supplied to pin13. The external video signal output from SCART is supplied to pin15. The video signal input to pin13 or pin15 is separated to luminance (Y) signal and chroma signal in IC201. These pins are used in common with H/V-sync. separation input. The peaking of Y signal is adjusted by DC voltage of pin14. ("SHARPNESS" control) The chroma signal is divided into R-Y and B-Y

chroma signals, demodulated in IC201, and output from pin30 (R-Y) and pin31 (B-Y). These chroma signals pass through the 1H delay line circuit (IC271), and they are input to pin29 (R-Y) and pin28 (B-Y). These R-Y/B-Y signals pass through RGB matrix circuit and RGB selector circuit of IC101. The internal RGB signals are generated in RGB matrix circuit and the RGB selector, consisting linear amplifiers, clamps and selects either the internal RGB signals or the external RGB signals input from pin22(R), pin23(G), pin24(B). Selection is controlled by the voltage at the RGB switch control (pin21) and mixed RGB modes are possible since RGB switching is fast. The RGB switch also functions as a fast blanking pin by blanking the RGB output stages; here internal and external RGB signals are overruled. The colour gain is controlled by DC voltage of pin26. ("COLOUR" control) The contrast control voltage present at pin25, and the brightness control voltage present at pin17 controls DC level of RGB signals. The RGB signals are finally buffered before being available at the RGB output pins [pin20 (R), pin19 (G), pin18 (R)].

4. AUDIO OUTPUT(TDA7263M)

The audio signals output from the audio unit are input to pin1(L) and 5(R) of IC171 and passes through the pre-amplifier circuit and drive circuit, after which it is input to the audio amplifier. The audio amplifier is an SEPP (single-ended, push-pull) OTL type and output to pin8(R) and 10(L) to directly drive the speakers.

5. VERTICAL OUTPUT (LA7832/LA7832)

An IC (LA7832/LA7833) is used for the vertical output circuit in this chassis. The vertical drive pulse from pin43 of IC201 is input to pin4 of IC501. This pulse drives IC501, and vertical scanning is performed. In the first half of scanning a deflecting current is output from pin2 and passes through the following path:

Vcc(B4) → D501 → pin3 → pin2 → DY → C512 → VR501/R509. An electric charge is then stored in C512. In the last half of scanning the current path is C512 → DY → pin2 → pin1 → VR501/R509 → C512. In this way, an amplifying sawtooth waveform current flows directly to DY to perform electron beam deflection. Next, in the first half of the banking period the vertical drive pulse suddenly becomes OFF, and in order to reduce the current flowing to DY, the current path becomes as follows by the inductance of DY:

DY → pin2 → pin1 → VR501/R509 → C512 → DY. Also, when the charge of DY has dissipated, the current path becomes Vcc24V → pin6 → pin7 → C502 → pin3 → pin2 → DY → C512 → VR501/R509, and when the prescribed current value is reached, the vertical drive pulse becomes ON. This completes one cycle.

6. HORIZONTAL OUTPUT

A horizontal oscillation signal is output from pin37 of IC201 and switches the drive transistor Q431. This switching signal is current amplified by the drive transformer T431 and drives the output transistor Q432. When Q432 becomes ON, an amplifying current flows directly to DY through C441 → DY → Q432 → GND, and deflection is performed in the last half of the scanning period. Next, when Q432 becomes OFF, the charge that had been stored in DY up to that point releases a resonance current to the resonant capacitors C421/C423 and charges them. The current stored in C421/C423 is then flowed back to DY, and an opposite charge is then stored in DY. This opposite charge then switches the dumper diode in Q432 ON, the resonance state is completed, and an amplifying current is then flowed again directly to DY through the dumper diode. By this means, deflection in the first half of the scanning period is performed, and when Q432 becomes ON at the end of the first half of the scanning period, deflection during the last half is begun, thus completing one cycle.

In the PCC circuit consisting of Q461 and Q462, the parabola signal supplied from the vertical circuit is added at the horizontal output stage and pincushion compensation is performed by varying the DC voltage bias. Further, the ABL voltage is feedback to the base of Q462 to compensate for width variations due to variations in the beam current.

7. CPU <System and Teletext Control>

Pin description

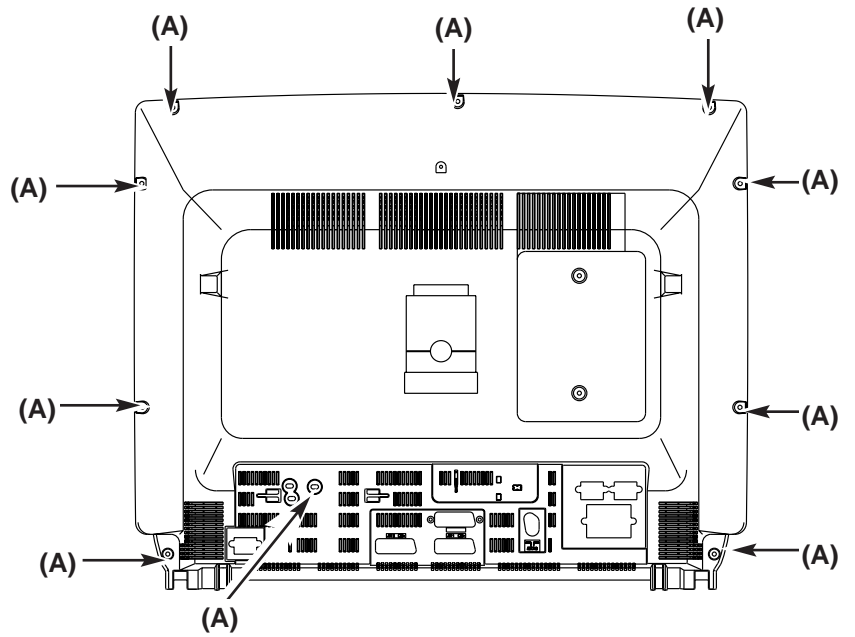
Pin1: Tuning voltage output
Pin2: Brightness control output (6-bit DAC)
Pin3: Contrast control output (6-bit DAC)
Pin4: Colour control output (6-bit DAC)
Pin5: Sharpness control output(6-bit DAC)
Pin6: Not used (GND)
Pin7: Not used (GND)
Pin8: Power ON/OFF output (H:ON)
Pin9: AFT signal input
Pin10: Option SW1 & Keyboard scan input (DC)
Pin11: Option SW2
Pin12: 50/60Hz switch input (50Hz: Hi)
Pin13: GND
Pin14: TV/AV switch output (TV: Hi)
Pin15: S-VHS switch output (S-VHS: Hi)
Pin16: Option SW3 (2AV: Hi)
Pin17: Function signal input for SCART1
Pin18: Function signal input for SCART2
Pin19: Power LED drive output1
Pin20: Option SW4 & Power LED drive output2
Pin21: Ignore output
Pin22: GND
Pin23: CVBS input0 (Internal)
Pin24: CVBS input1 (Internal/External)

Pin25: Black
Pin26: IREF
Pin27: Odd/Even output
Pin28: GND
Pin29: -
Pin30: V-deflection stop output
Pin31: RGB REF
Pin32: Blue output for OSD
Pin33: Green output for OSD
Pin34: Red output for OSD
Pin35: Blanking output for OSD
Pin36: H-sync. input (Horizontal pulse for OSD)
Pin37: V-sync. input (Vertical pulse for OSD)
Pin38~39: Supply (+5V)
Pin 40: OSC GND
Pin 41: Oscillator input for CPU
Pin 42: Oscillator output for CPU
Pin 43: Reset input
Pin 44: Supply (+5V)
Pin 45: Protect signal input (L:Power circuit defects)
Pin 46: Ident. signal input
Pin 47: R/C signal input
Pin 48: Mute output in no picture
Pin 49: I²C bus SCL (Serial clock)
Pin 50: I²C bus SDA (Serial date)
Pin 51: Option SW5 & Band select output1
Pin 52: Band select output2

CABINET DISASSEMBLY

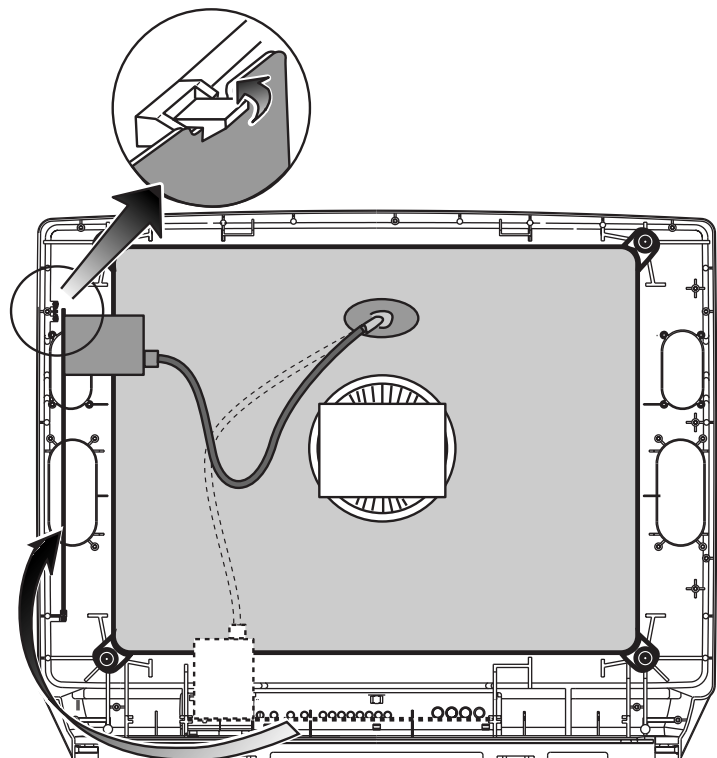
CABINET BACK DISASSEMBLY

1. Remove 10 screws(A).
2. Pull out the cabinet back.



PLACING THE CHASSIS TO SERVICE POSITION

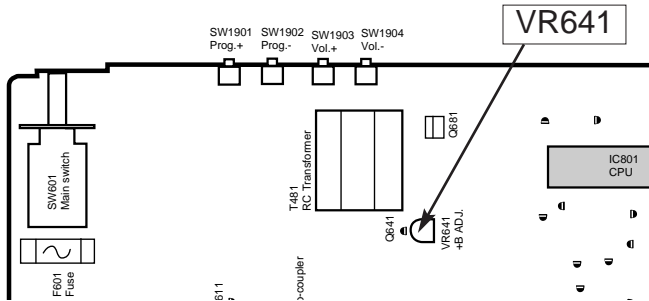
1. Pullout the chassis and put it to the rails on the side cabinet.
2. Fix main board with hook on the top rail.



SERVICE CONTROL ADJUSTMENT

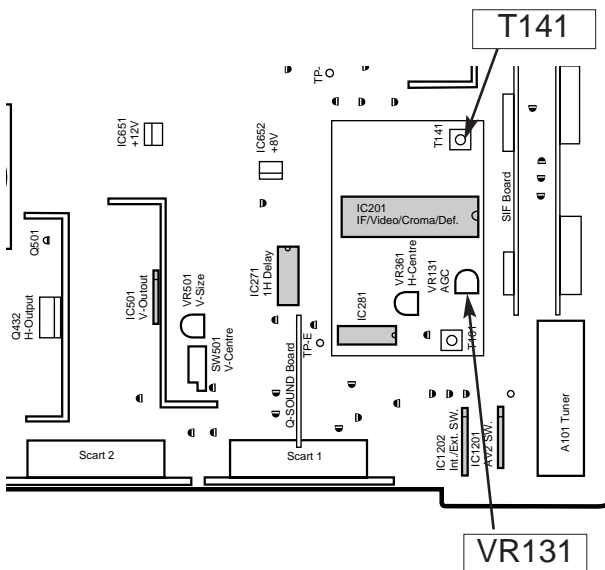
B1 POWER SUPPLY ADJUSTMENT

1. Set VR641 to be mechanical centre before pressing the main switch.
2. Tune the receiver to PAL circular pattern.
3. Set brightness and contrast controls to normal.
4. Connect digital V-meter to test point "TP-B".
5. By using VR641, adjust voltage to 150 ± 0.5 V.



AFT ADJUSTMENT

1. Tune the receiver to the clearest station.
2. By using T141, adjust AFT to obtain the best picture.



AGC ADJUSTMENT

NOTE: Do not attempt this adjustment with weak signal.

1. Tune the receiver to the clearest station.
2. Set AGC VR (VR131) in direction which causes snow noise to appear, then in the opposite direction until snow noise just disappears.

GREY SCALE ADJUSTMENT

[SCREEN VR ADJUSTMENT]

1. Tune the receiver to the white pattern.
2. Set brightness and contrast controls to normal.
3. Set VR602 and VR612 to be mechanical centre.
4. Turn VR601, VR611 and VR621 fully counter-clockwise.

5. Set mode to one horizontal scanning line, how to set refer to "service mode"

6. Set screen VR for one colour to be just visible.

[BIAS VR ADJUSTMENT]

7. By using VR601, VR611 or VR621, adjust line to be white.

8. Set screen mode OFF, how to set refer to "service mode"

[DRIVE VR ADJUSTMENT]

9. By using VR602 and VR612, adjust white balance.

HIGH VOLTAGE & WIDTH ADJUSTMENT

[HIGH VOLTAGE ADJUSTMENT]

1. Tune the receiver to circular pattern.
2. Set brightness and contrast controls to maximum.
3. Connect digital V-meter to both terminals of R224, and high voltage meter to CRT anode.
4. Confirm high voltage to be 26.0 ± 1 KV at beam current 1.3, and less than 29.0 KV at 0 beam current.

[H-WIDTH ADJUSTMENT]

5. Adjust VR462 to obtain proper H- width.
6. Reconfirm high voltage.

H-CENTRE ADJUSTMENT

1. Tune the receiver to circular pattern.
2. Adjust H-centre by using VR361.

V-CENTRE ADJUSTMENT

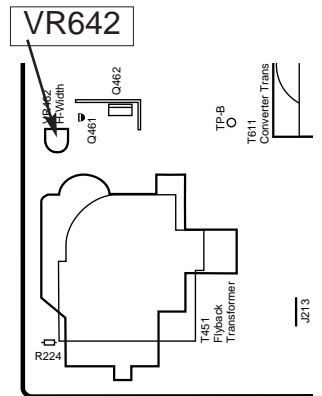
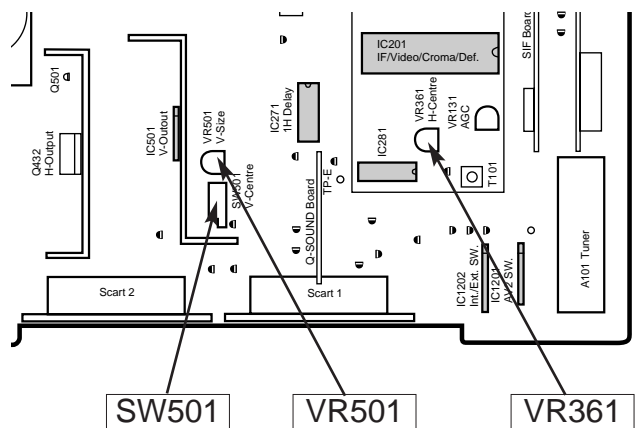
1. Tune the receiver to circular pattern.
2. Adjust V-centre by using SW501.

V-SIZE ADJUSTMENT

1. Tune the receiver to circular pattern.
2. Adjust V-size by using VR501.

FOCUS ADJUSTMENT

By using FOCUS VR, adjust focus control for good scanning lines.



CIRCUIT ALIGNMENT

VIF alignment

SETTING		Adjustment	Waveform
DC 15.5V AGC voltage (4.3-4.5V) Output probe	C644 + IC201-pin48 IC201-pin45 (Side b)	By using T141, adjust "P" to be maximum amplitude.	
Input probe Marker frequency Sweep ATT 0dB=176mVrms/75	IC201-pin7 39.5MHz 20dB		

Trap alignment (Only required for UK model)

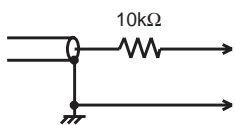
SETTING		Adjustment	Waveform
DC 15.5V Output probe	C644 + Tuner IF (Side a)	By using T101, adjust "A" to be minimum amplitude.	
Input probe Marker frequency Sweep ATT 0dB=176mVrms/75	Q101-C 41.5MHz 11dB		

SIF alignment

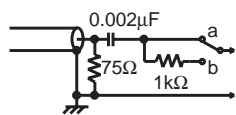
SETTING		Adjustment	Waveform
DC 12V AGC voltage(5V DC) Output probe	IC3801-pin9 IC3801-pin13 IC3801-pin5 (Side b)	1. By using T3801, adjust the VCO oscillation to be "P".	
Input probe Sweep ATT Marker Frequency Tool-A	IC3801-pin17 10dB 39.5MHz IC3801-pin6 and ground		



Tool-A

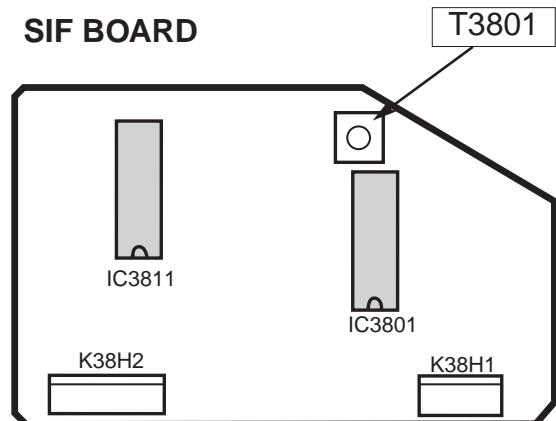


Input probe



Output probe

SIF BOARD



INITIALIZATION (Important Notice)

When you replace a memory IC (IC802), it is necessary to initialise the IC as following step.

A. Initialization

Press and hold the (→•←) **normalization button** on the remote control handset and press the (P▲) **programme + button** on the TV set.

The IC will be initialised automatically to set the following data.

User control data

Colour : Centre
Brightness : Centre
Contrast : Maximum
Sharpness : Centre
Text. Bright : Centre
Bass : Centre
Treble : Centre
Balance : Centre
Volume : Step 12

B. Service Mode

1. To enter the service mode, press and hold the (F□) **Function button** on the remote control handset and press the (P▲) **programme + button** on the TV set. The following OSD appears on the screen.

ADJUST	DATA
System	+000
SCREEN	VOL
CPU MK2	1.0

2. Select desired service item by using the (F□) **Function button** on the remote control handset.
3. Change date by using the (◀+) **Level +** or (▶-) **button**.
4. To return to TV mode press the (□▽) **Recall button** on the remote control handset.

Service mode description

SCREEN: For screen adjustment
To make one horizontal scanning line.

SPECIAL FUNCTION

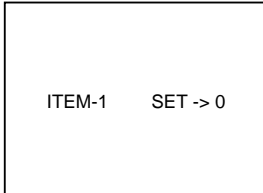
This TV set allows you to set up the following special functions.

■ Maximum volume setting and prohibition of presetting

ITEM-1

Sets the current volume as the maximum volume level and prohibition of presetting.

SET → 0	NO
SET → 1	YES






■ Start up programme position

ITEM-2

Presets the programme position when the set is switched on.

SET -> 0	Last programme position start
SET -> 1	Programme position "1" start
SET -> 2	Programme position "2" start
SET -> 3	Programme position "3" start
SET -> 4	Programme position "4" start
SET -> 5	Programme position "5" start
SET -> 6	Programme position "6" start
SET -> 7	Programme position "7" start
SET -> 8	Programme position "8" start
SET -> 9	"AV1" start

SETTING PROCEDURE

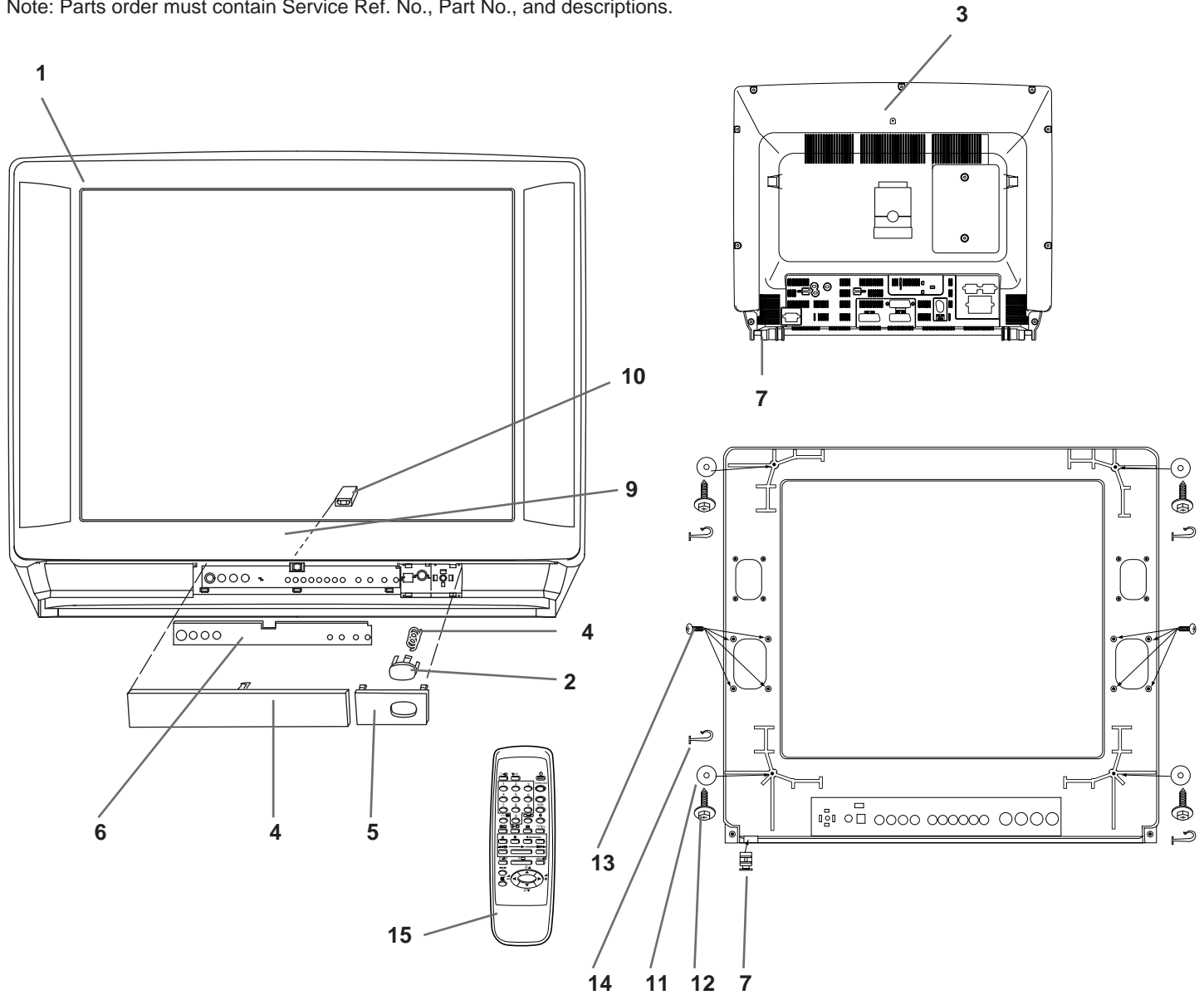
- 1 Press and hold the  button on the **Remote control handset** and then press the **P▲** button on the **TV set**.
- 2 To select the "Item" number, press the **F** button on the **remote control handset**.
- 3 To select the "Set" number, press the **▲+** or **-▲** button repeatedly.
- 4 To return to the normal TV mode, press the  button.

- ✍ The setting conditions of all items can be confirmed.
- ✍ Special functions are not cancelled if the TV set is switched off or the mains disconnected.

SERVICE REF. NO. CE25DN3-B-01

CABINET PARTS LIST

Note: Parts order must contain Service Ref. No., Part No., and descriptions.



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CABINET PARTS					
1	610 268 0492	ASSY, CABINET FR- F3PAM	15	JXMCA	RC TRANSMITTER
2	610 261 6057	BUTTON POWER- F3SCM	610 271 4302		INSTRUCTIONS MANUAL- F3JMV
3	610 272 2093	CABINET BACK A- F3PAM	645 000 6708		BATTERY, MANGAN, COMPOSITE
4	610 266 4164	DOOR- F3SA			
5	610 261 6132	DEC BOARD- F3SCM			
6	610 261 7726	DEC CONTROL SHEET- F3SCM			
7	610 253 2449	HOLDER AC CORD- GBR- D4VA			
8	610 261 3032	SPRING- E7GC			
9	645 003 9256	BADGE, SANYO*46. 2X13. 5L45			
10	610 104 2505	LATCH PUSH, 7. 9X6. 9BK\			
11	610 224 5721	SPACER CUSHION- B3MY			
12	412 009 3003	CRT SCREW 6 X 30			
13	411 076 1400	SCREW TPG 4 X 14			
14	610 265 4202	HOLDER DEGAUSS COIL			

ACCESSORIES

CHASSIS ELECTRICAL PARTS LIST

△

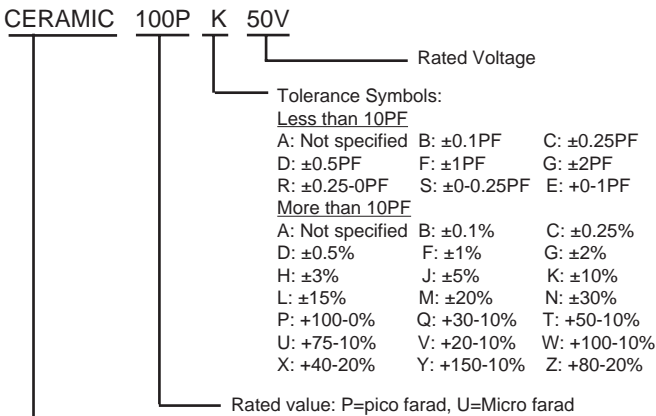
Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a △ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Parts order must contain Service Ref. No., Part No., and descriptions.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
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Read description in the Capacitor and Resistor as follows:

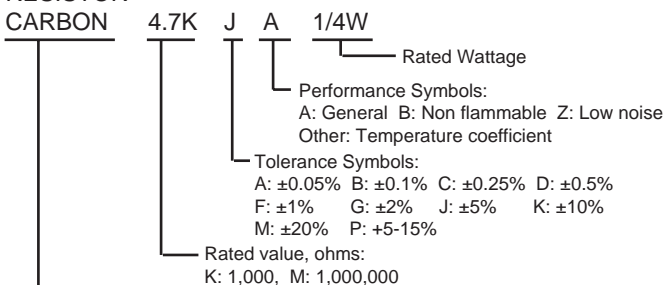
CAPACITOR



Material:

- CERAMIC..... Ceramic
- MT-PAPER..... Metallized Paper
- POLYESTER..... Polyester
- MT-POLYEST.... Metallized Polyester
- POLYPRO..... Polypropylene
- MT-POLYPRO.... Metallized Polypropylene
- COMPO FILM..... Composite film
- MT-COMPO..... Metallized Composite
- STYRENE..... Styrene
- TA-SOLID..... Tantalum Solid
- AL-SOLID..... Aluminium Solid
- ELECT..... Electrolytic
- NP-ELECT..... Non-polarised Electrolytic
- OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic
- DL-ELECT..... Double Layered Electrolytic

RESISTOR



Material:

- CARBON..... Carbon
- MT-FILM..... Metal Film
- OXIDE-MT..... Oxide Metal Film
- SOLID..... Composition
- MT-GLAZE..... Metal Glaze
- WIRE WOUND... Wire Wound
- CERAMIC RES.. Ceramic
- FUSIBLE RES.... Fusible

OUT OF CIRCUIT BOARD

PICTURE TUBE

△ Q901 414 009 7104 CRT A59EHJ43X38

COIL

△ L901 645 025 6530 25DEG. COIL OREGA 47320234

MISCELLANEOUS

SP901 645 002 4313 SPEAKER 8
 SP902 645 002 4313 SPEAKER 8
 △ W901 645 011 8838 3P AC CORD + 2P HOUSE @ 2
 W902 610 204 6083 GROUNDING CONNECTOR-D8CD

**610 260 0667 ASSY,PWB,CRT F2RC
 1AA0B10E24500**

TRANSISTOR

Q2601 405 041 6507 TR 2SC2621-D-RA
 405 041 6705 TR 2SC2621-E-RA
 405 066 9903 TR 2SC2688(1)-K
 405 067 0008 TR 2SC2688(1)-L
 405 067 0107 TR 2SC2688(1)-M
 Q2611 405 041 6507 TR 2SC2621-D-RA
 405 041 6705 TR 2SC2621-E-RA
 405 066 9903 TR 2SC2688(1)-K
 405 067 0008 TR 2SC2688(1)-L
 405 067 0107 TR 2SC2688(1)-M
 Q2621 405 041 6507 TR 2SC2621-D-RA
 405 041 6705 TR 2SC2621-E-RA
 405 066 9903 TR 2SC2688(1)-K
 405 067 0008 TR 2SC2688(1)-L
 405 067 0107 TR 2SC2688(1)-M
 Q2640 406 007 1901 TR JC556A
 406 007 1802 TR JC556B
 405 004 4205 TR 2SA608-E-CTV-NP
 405 004 4809 TR 2SA608-F-CTV-NP
 405 028 7909 TR 2SA608-G-CTV-NP
 Q2651 406 007 1901 TR JC556A
 406 007 1802 TR JC556B
 405 004 4205 TR 2SA608-E-CTV-NP
 405 004 4809 TR 2SA608-F-CTV-NP
 405 028 7909 TR 2SA608-G-CTV-NP

CAPACITOR

C2601 403 074 5702 CERAMIC 560P K 50V
 C2611 403 074 5702 CERAMIC 560P K 50V
 C2621 403 074 5702 CERAMIC 560P K 50V
 C2631 403 077 2708 CERAMIC 1000P P 25V
 C2635 403 055 8401 ELECT 22U M 250V
 403 260 0405 ELECT 22U M 250V
 C2651 403 201 5001 ELECT 330U M 16V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RESISTOR			R3815	401 037 5410	MT- GLAZE 1K JA 1/10W
R2601	401 018 2800	CARBON 330 JA 1/4W	R3816	401 038 3514	MT- GLAZE 330 JA 1/10W
R2602	401 019 1901	CARBON 3. 9K JA 1/4W	R3817	401 038 6317	MT- GLAZE 470 JA 1/10W
R2603	401 012 5708	CARBON 1K JA 1/4W	R3818	401 037 6714	MT- GLAZE 1. 2K JA 1/10W
R2604	401 065 4604	OXIDE- MT 12K JA 2W	TRANSFORMER		
R2605	401 009 6602	CARBON 3. 3K JA 1/2W	T3801	610 037 4539	S COIL
R2611	401 018 2800	CARBON 330 JA 1/4W	MISCELLANEOUS		
R2612	401 019 1901	CARBON 3. 9K JA 1/4W	K38H1	645 027 0185	PLUG, 4P
R2613	401 016 3809	CARBON 2. 2K JA 1/4W	K38H2	645 027 0185	PLUG, 4P
R2614	401 065 4604	OXIDE- MT 12K JA 2W	X3801A	421 006 9406	SAW F TSB5391
R2615- B	401 009 6602	CARBON 3. 3K JA 1/2W	610 270 2347 ASSY,PWB,AUDIO F3JM		
R2621	401 018 2800	CARBON 330 JA 1/4W	1AA0B10E4120B		
R2622	401 019 1901	CARBON 3. 9K JA 1/4W	TRANSISTOR		
R2623	401 015 2704	CARBON 1. 8K JA 1/4W	Q1252	405 014 4519	TR 2SC2412KT146/R
R2624	401 065 4604	OXIDE- MT 12K JA 2W	Q1253	405 014 4519	TR 2SC2412KT146/R
R2625- B	401 009 6602	CARBON 3. 3K JA 1/2W	Q3452	405 014 4519	TR 2SC2412KT146/R
R2627	401 020 0801	CARBON 470 JA 1/4W	Q3453	405 014 4519	TR 2SC2412KT146/R
R2641	401 020 2003	CARBON 4. 7K JA 1/4W	Q3501	405 014 4519	TR 2SC2412KT146/R
R2642	401 018 3807	CARBON 3. 3K JA 1/4W	Q3502	405 014 4519	TR 2SC2412KT146/R
R2644	401 017 0807	CARBON 270 JA 1/4W	Q3503	405 014 4519	TR 2SC2412KT146/R
R2652	401 012 7009	CARBON 10K JA 1/4W	INTEGRATED CIRCUIT		
R2653	401 012 7009	CARBON 10K JA 1/4W	IC1251	409 009 2501	IC HD14052BP
VARIABLE RESISTOR			IC3451	409 418 2901	IC TDA9875/V1
VR2601	645 003 5722	VR, SEMI, 4. 7K N	IC3500	409 367 2809	IC BA178M09T
VR2602	645 003 5647	VR, SEMI, 1K N	IC3501	409 398 9204	IC MMI369AD
VR2611	645 003 5722	VR, SEMI, 4. 7K N	CAPACITOR		
VR2612	645 003 5647	VR, SEMI, 1K N	C1251	403 043 9106	ELECT 47U M 16V
VR2621	645 003 5722	VR, SEMI, 4. 7K N	C3451	403 046 9905	ELECT 4. 7U M 25V
COIL			C3452	403 069 9510	CERAMI C CHIP 0. 01 Z 50V
L2601	645 008 0012	INDUCTOR, 330U K	C3453	403 026 2813	CERAMI C 47P J 50V
L2611	645 008 0012	INDUCTOR, 330U K	C3454	403 068 0419	CERAMI C 0. 1U Z 25V
L2621	645 008 0012	INDUCTOR, 330U K	C3455	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W
DIODE			C3458	403 026 2813	CERAMI C 47P J 50V
D2601	407 013 1206	DIODE 1S1555	C3461	403 049 0008	ELECT 1U M 50V
D2611	407 013 1206	DIODE 1S1555	C3462	403 012 6818	CERAMI C 15P J 50V
D2621	407 013 1206	DIODE 1S1555	C3463	403 012 6818	CERAMI C 15P J 50V
D2651	407 013 1206	DIODE 1S1555	C3465	403 073 1210	CERAMI C 0. 033U K 50V
MISCELLANEOUS			C3466	403 279 4312	CERAMI C 0. 33U K 16V
K26M	645 008 4058	TERMINAL, PLUG	C3468	403 049 0008	ELECT 1U M 50V
K26P	645 004 2911	PLUG, 5P	C3469	403 049 0008	ELECT 1U M 50V
K26Q	645 004 2898	PLUG, 3P	C3473	403 279 4312	CERAMI C 0. 33U K 16V
△ K2601- B	610 233 7990	CRT SOCKET	C3474	403 279 4312	CERAMI C 0. 33U K 16V
610 270 2330 ASSY,PWB,SIF F3JM			C3475	403 039 2104	ELECT 47U M 6. 3V
1AA0B10E4120A			C3476	403 069 9510	CERAMI C CHIP 0. 01 Z 50V
TRANSISTOR			C3477	403 039 2104	ELECT 47U M 6. 3V
Q3811	405 014 4519	TR 2SC2412KT146/R	C3478	403 018 7413	CERAMI C 220P J 50V
INTEGRATED CIRCUIT			C3479	403 018 7413	CERAMI C 220P J 50V
IC3801	409 310 8407	IC LA7577N	C3480	403 039 2104	ELECT 47U M 6. 3V
CAPACITOR			C3481	403 039 2104	ELECT 47U M 6. 3V
C3805	403 023 4414	CERAMI C 330P J 50V	C3482	403 069 9510	CERAMI C CHIP 0. 01 Z 50V
C3806	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	C3483	403 069 9510	CERAMI C CHIP 0. 01 Z 50V
C3807	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	C3484	403 039 2104	ELECT 47U M 6. 3V
C3808	403 049 4204	ELECT 10U M 50V	C3485	403 069 9510	CERAMI C CHIP 0. 01 Z 50V
C3809	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	C3486	403 049 0008	ELECT 1U M 50V
C3810	403 051 0607	ELECT 4. 7U M 50V	C3487	403 049 0008	ELECT 1U M 50V
C3811	403 018 0503	CERAMI C 22P J 50V	C3492	403 069 5611	CERAMI C 0. 01U K 50V
C3812	403 048 6308	ELECT 0. 47U M 50V	C3493	403 069 5611	CERAMI C 0. 01U K 50V
C3813	403 074 6610	CERAMI C 560P K 50V	C3500	403 043 9106	ELECT 47U M 16V
C3814	403 069 1712	CERAMI C 1000P K 50V	C3501	403 049 4204	ELECT 10U M 50V
C3815	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	C3502	403 075 0716	CERAMI C 6800P K 50V
RESISTOR			C3503	403 010 1112	CERAMI C 1000P J 50V
R3811	401 038 7512	MT- GLAZE 56 JA 1/10W	C3504	403 192 5915	CERAMI C 0. 1U K 25V
R3812	401 037 5618	MT- GLAZE 10K JA 1/10W	C3505	403 043 9106	ELECT 47U M 16V
			C3506	403 049 9803	ELECT 2. 2U M 50V
			C3507	403 069 5611	CERAMI C 0. 01U K 50V
			C3508	403 069 5611	CERAMI C 0. 01U K 50V
			C3509	403 069 5611	CERAMI C 0. 01U K 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C3510	403 069 5611	CERAMIC 0.01U K 50V	COIL		
C3511	403 010 1112	CERAMIC 1000P J 50V	L3450	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
C3512	403 192 5915	CERAMIC 0.1U K 25V	L3451	645 008 2221	INDUCTOR, 2.2U K
C3513	403 075 0716	CERAMIC 6800P K 50V	L3452	645 008 2221	INDUCTOR, 2.2U K
C3514	403 049 4204	ELECT 10U M 50V	L3453	645 008 2368	INDUCTOR, 3.3U K
C3515	403 049 9803	ELECT 2.2U M 50V	L3455	645 008 2221	INDUCTOR, 2.2U K
C3516	403 049 4204	ELECT 10U M 50V	L3456	645 008 2221	INDUCTOR, 2.2U K
C3517	403 269 5916	CERAMIC 0.22U K 16V	L3457	645 008 2221	INDUCTOR, 2.2U K
C3518	403 043 9106	ELECT 47U M 16V	L3459	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
C3520	403 043 9106	ELECT 47U M 16V			
C3521	403 279 4312	CERAMIC 0.33U K 16V	DIODE		
C3522	403 279 4312	CERAMIC 0.33U K 16V	D3451	407 169 7919	VARACTOR DI BBY31
RESISTOR			MISCELLANEOUS		
R1251	401 038 9318	MT-GLAZE 68K JA 1/10W	J1251	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1252	401 038 9318	MT-GLAZE 68K JA 1/10W	J3459	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1253	401 038 9318	MT-GLAZE 68K JA 1/10W	J3463	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1254	401 038 9318	MT-GLAZE 68K JA 1/10W	J3465	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1255	401 038 9318	MT-GLAZE 68K JA 1/10W	J3469	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1256	401 038 9318	MT-GLAZE 68K JA 1/10W	J3474	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1257	401 038 9318	MT-GLAZE 68K JA 1/10W	J3486	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1258	401 038 9318	MT-GLAZE 68K JA 1/10W	J3489	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1261	401 038 6317	MT-GLAZE 470 JA 1/10W	J3501	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R1262	401 038 0711	MT-GLAZE 2.2K JA 1/10W	K12B	645 008 7288	HOUSING PLUG 5P
R1263	401 038 6317	MT-GLAZE 470 JA 1/10W	K34A	645 027 0192	PLUG, 10P
R1264	401 038 0711	MT-GLAZE 2.2K JA 1/10W	K34B	645 027 0192	PLUG, 10P
R3451	401 037 5212	MT-GLAZE 100 JA 1/10W	K34C	645 027 0178	PLUG, 3P
R3452	401 037 5212	MT-GLAZE 100 JA 1/10W	X3451	645 024 7484	OSC, CRYSTAL 24.576MHZ
R3453	401 037 5618	MT-GLAZE 10K JA 1/10W			
R3454	401 037 5212	MT-GLAZE 100 JA 1/10W			
R3455	401 037 5618	MT-GLAZE 10K JA 1/10W			
R3456	401 037 5014	MT-GLAZE 0.000 ZA 1/10W			
R3459	401 037 5014	MT-GLAZE 0.000 ZA 1/10W			
R3461	401 038 5310	MT-GLAZE 39K JA 1/10W			
R3462	401 037 5618	MT-GLAZE 10K JA 1/10W			
R3463	401 038 0216	MT-GLAZE 20K JA 1/10W			
R3464	401 037 5212	MT-GLAZE 100 JA 1/10W			
R3465	401 037 5618	MT-GLAZE 10K JA 1/10W			
R3466	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3467	401 038 2111	MT-GLAZE 2.7K JA 1/10W			
R3468	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3469	401 038 2111	MT-GLAZE 2.7K JA 1/10W			
R3471	401 038 2012	MT-GLAZE 270 JA 1/10W			
R3472	401 038 2012	MT-GLAZE 270 JA 1/10W			
R3473	401 038 6317	MT-GLAZE 470 JA 1/10W			
R3474	401 038 0711	MT-GLAZE 2.2K JA 1/10W			
R3475	401 038 6317	MT-GLAZE 470 JA 1/10W			
R3476	401 038 0711	MT-GLAZE 2.2K JA 1/10W			
R3477	401 038 5310	MT-GLAZE 39K JA 1/10W			
R3478	401 038 5310	MT-GLAZE 39K JA 1/10W			
R3479	401 037 8015	MT-GLAZE 15K JA 1/10W			
R3480	401 037 8015	MT-GLAZE 15K JA 1/10W			
R3501	401 180 0416	MT-GLAZE 7.5K FA 1/10W			
R3502	401 037 5212	MT-GLAZE 100 JA 1/10W			
R3503	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3504	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3505	401 039 0512	MT-GLAZE 82K JA 1/10W			
R3506	401 037 9319	MT-GLAZE 18K JA 1/10W			
R3507	401 038 0711	MT-GLAZE 2.2K JA 1/10W			
R3508	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3509	401 038 9219	MT-GLAZE 6.8K JA 1/10W			
R3510	401 038 6416	MT-GLAZE 4.7K JA 1/10W			
R3511	401 038 0919	MT-GLAZE 220K JA 1/10W			
R3512	401 038 7819	MT-GLAZE 56K JA 1/10W			
R3513	401 038 7819	MT-GLAZE 56K JA 1/10W			
R3514	401 038 5112	MT-GLAZE 3.9K JA 1/10W			
R3515	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3516	401 038 0711	MT-GLAZE 2.2K JA 1/10W			
R3517	401 037 5410	MT-GLAZE 1K JA 1/10W			
R3518	401 038 0711	MT-GLAZE 2.2K JA 1/10W			
			TRANSISTOR		
			Q001	406 007 2106	TR JC546A
			Q1001	406 007 1901	TR JC556A
			Q1002	406 007 2106	TR JC546A
			Q1003	406 007 2106	TR JC546A
			Q1004	406 007 2106	TR JC546A
			Q1005	406 007 2106	TR JC546A
			Q1041	406 007 2106	TR JC546A
			Q1042	406 007 1901	TR JC556A
			Q1043	406 007 2106	TR JC546A
			Q1201	406 007 2106	TR JC546A
			Q1202	406 007 2106	TR JC546A
			Q1203	406 007 2106	TR JC546A
			Q121	406 007 2106	TR JC546A
			Q151	406 007 1901	TR JC556A
			Q152	406 007 2106	TR JC546A
			Q153	406 007 1901	TR JC556A
			Q154	406 007 1901	TR JC556A
			Q171	406 007 2106	TR JC546A
			Q2001	406 007 2106	TR JC546A
			Q201	406 007 2106	TR JC546A
			Q202	406 007 2106	TR JC546A
			Q431	405 018 0616	TR 2SC3332-S
			Q432	405 095 0209	TR 2SD1556-3E
			Q432-1	610 252 1108	H HEAT SINK E7LC
			Q461	405 064 7307	TR 2SB1274-Q-RA
			Q461-1	610 251 5916	HEAT SINK PCC E7LC
			Q462	406 007 2106	TR JC546A
			Q501	406 007 2106	TR JC546A
			Q611	406 007 1901	TR JC556A
			Q612	405 058 0208	TR 2SC3807-R-CTV-YA
			Q613	405 095 0407	TR 2SC4429-L-YB
			Q613-1	610 251 5893	POW HEAT SINK E7LC
			Q641	406 007 2106	TR JC546A
			Q681	405 059 9804	TR 2SD1913-Q-RA
			Q682	406 007 1901	TR JC556A

**610 270 2316 ASSY,PWB,MAIN F3PMV
1AA0B10E41100**

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q801	405 118 4217 TR	PH2369	C108	403 027 1211	CERAMI C 5P J 50V
Q835	406 007 2106 TR	JC546A	C109	403 027 1211	CERAMI C 5P J 50V
Q861	406 007 1901 TR	JC556A	C110	403 033 4510	CERAMI C 82P J 50V
Q871	406 007 2106 TR	JC546A	C1101	403 049 4204	ELECT 10U M 50V
Q872	406 007 2106 TR	JC546A	C1102	403 009 5718	CERAMI C 100P J 50V
Q873	406 007 2106 TR	JC546A	C1103	403 069 1712	CERAMI C 1000P K 50V
Q874	406 007 2106 TR	JC546A	C1104	403 049 4204	ELECT 10U M 50V
			C1105	403 009 5718	CERAMI C 100P J 50V
			C1106	403 069 1712	CERAMI C 1000P K 50V
			C1107	403 049 4204	ELECT 10U M 50V
			C1108	403 033 4510	CERAMI C 82P J 50V
			C1109	403 008 7416	CERAMI C 10P D 50V
			C114	401 037 5014	MT- GLAZE 0.000 ZA 1/10W
			C117	401 037 5014	MT- GLAZE 0.000 ZA 1/10W
			C1200	403 069 9510	CERAMI C CHIP 0.01 Z 50V
			C1201	403 049 4204	ELECT 10U M 50V
			C1202	403 049 4204	ELECT 10U M 50V
			C1203	403 069 8305	CERAMI C 0.01U Z 50V
			C121	403 068 0419	CERAMI C 0.1U Z 25V
			C131	401 037 5014	MT- GLAZE 0.000 ZA 1/10W
			C132	403 069 1712	CERAMI C 1000P K 50V
			C133	403 069 9510	CERAMI C CHIP 0.01 Z 50V
			C134	403 049 9803	ELECT 2.2U M 50V
			C135	403 068 0419	CERAMI C 0.1U Z 25V
			C136	403 194 4609	ELECT 470U M 16V
			C137	403 068 0419	CERAMI C 0.1U Z 25V
			C138	403 069 9510	CERAMI C CHIP 0.01 Z 50V
			C141	403 028 4419	CERAMI C 56P J 50V
			C142	403 068 0419	CERAMI C 0.1U Z 25V
			C143	403 027 1211	CERAMI C 5P J 50V
			C146	403 010 8507	CERAMI C 12P J 50V
			C151	403 022 8215	CERAMI C 33P J 50V
			C152	403 028 4112	CERAMI C 56P J 50V
			C162	403 068 0419	CERAMI C 0.1U Z 25V
			C171	403 237 8057	MT- COMPO 0.1U J 50V
			C1901	403 069 1712	CERAMI C 1000P K 50V
			C200	403 068 0419	CERAMI C 0.1U Z 25V
			C2001	403 068 0419	CERAMI C 0.1U Z 25V
			C2002	403 068 0419	CERAMI C 0.1U Z 25V
			C2003	403 068 0419	CERAMI C 0.1U Z 25V
			C201	403 014 3409	CERAMI C 18P J 50V
			C202	403 237 8057	MT- COMPO 0.1U J 50V
			C203	403 073 9117	CERAMI C 4700P K 50V
			C204	403 068 0419	CERAMI C 0.1U Z 25V
			C205	403 068 0419	CERAMI C 0.1U Z 25V
			C206	403 068 0419	CERAMI C 0.1U Z 25V
			C207	403 068 0419	CERAMI C 0.1U Z 25V
			C208	403 068 0419	CERAMI C 0.1U Z 25V
			C209	403 069 1712	CERAMI C 1000P K 50V
			C212	403 049 9803	ELECT 2.2U M 50V
			C215	403 067 7895	MT- COMPO 0.47 J 50V
			C222	404 045 6605	NP- ELECT 2.2U M 50V
			C226	403 138 1602	ELECT 1U M 100V
			C231	403 068 0419	CERAMI C 0.1U Z 25V
			C232	403 033 4510	CERAMI C 82P J 50V
			C233	403 068 0419	CERAMI C 0.1U Z 25V
			C234	403 033 4510	CERAMI C 82P J 50V
			C235	403 008 7416	CERAMI C 10P D 50V
			C271	403 069 1712	CERAMI C 1000P K 50V
			C272	403 069 1712	CERAMI C 1000P K 50V
			C273	403 069 9510	CERAMI C CHIP 0.01 Z 50V
			C274	403 049 4204	ELECT 10U M 50V
			C351	403 237 8057	MT- COMPO 0.1U J 50V
			C352	403 179 1015	POLYESTER 0.047U J 50V
			C353	403 073 9117	CERAMI C 4700P K 50V
			C354	403 049 0008	ELECT 1U M 50V
			C361	403 072 5615	CERAMI C 2700P K 50V
			C362	403 069 9510	CERAMI C CHIP 0.01 Z 50V
			C363	403 042 2405	ELECT 100U M 16V
INTEGRATED CIRCUIT					
IC001	409 301 4906	IC TDA7263M			
IC001-1	610 256 0015	ASSY, HEAT SINK A-E7GC			
IC1201	409 018 7603	IC LA7016			
IC1202	409 120 3401	IC LA7221			
IC201	409 380 8703	IC TDA8361/N5			
IC271	409 404 0201	IC U3665M			
IC501	409 192 5709	IC LA7833			
IC501-1	610 251 5909	V HEAT SINK E7LC			
IC651	409 365 2900	IC BA178M12T			
IC652	409 365 2801	IC BA178M08T			
IC653	409 241 5407	IC BA178M05T			
IC801	410 305 1907	IC SAA5296ZP/071			
IC802	409 333 3700	IC 24LC02B/P			
CAPACITOR					
C001A	403 068 0419	CERAMI C 0.1U Z 25V			
C002	403 070 9813	CHIP CERAMI C 0.015U K 50V			
C003A	403 068 0419	CERAMI C 0.1U Z 25V			
C004	403 070 9813	CHIP CERAMI C 0.015U K 50V			
C005	403 046 3507	ELECT 33U M 25V			
C006	403 046 3507	ELECT 33U M 25V			
C007	403 237 7941	MT- COMPO 0.22U J 50V			
C008	403 237 7941	MT- COMPO 0.22U J 50V			
C009	403 237 7941	MT- COMPO 0.22U J 50V			
C010	403 237 7941	MT- COMPO 0.22U J 50V			
C011	403 209 7205	ELECT 2200U M 25V			
C012	403 209 7205	ELECT 2200U M 25V			
C013	403 069 9510	CERAMI C CHIP 0.01 Z 50V			
C014	403 069 9510	CERAMI C CHIP 0.01 Z 50V			
C015	403 044 9501	ELECT 100U M 25V			
C016	403 085 4008	NP- ELECT 10U M 16V			
C017	403 085 4008	NP- ELECT 10U M 16V			
C021	403 052 8503	ELECT 1000U M 35V			
C023	403 069 9510	CERAMI C CHIP 0.01 Z 50V			
C024	403 069 9510	CERAMI C CHIP 0.01 Z 50V			
C1001	403 069 1712	CERAMI C 1000P K 50V			
C1002	403 049 4204	ELECT 10U M 50V			
C1003	403 009 5718	CERAMI C 100P J 50V			
C1004	403 130 3119	CERAMI C 0.047U K 50V			
C1005	403 069 1712	CERAMI C 1000P K 50V			
C1006	403 049 4204	ELECT 10U M 50V			
C1007	403 009 5718	CERAMI C 100P J 50V			
C1008	403 130 3119	CERAMI C 0.047U K 50V			
C1009	403 049 4204	ELECT 10U M 50V			
C101	403 194 4609	ELECT 470U M 16V			
C102	403 043 9106	ELECT 47U M 16V			
C1021	403 069 1712	CERAMI C 1000P K 50V			
C1022	403 049 4204	ELECT 10U M 50V			
C1023	403 009 5718	CERAMI C 100P J 50V			
C1024	403 041 9405	ELECT 10U M 16V			
C1025	403 069 1712	CERAMI C 1000P K 50V			
C1026	403 049 4204	ELECT 10U M 50V			
C1027	403 009 5718	CERAMI C 100P J 50V			
C1028	403 041 9405	ELECT 10U M 16V			
C1029	403 049 4204	ELECT 10U M 50V			
C1031	403 033 4510	CERAMI C 82P J 50V			
C104B	403 043 9106	ELECT 47U M 16V			
C1041	403 049 4204	ELECT 10U M 50V			
C106	403 049 0008	ELECT 1U M 50V			
C106A	403 069 9510	CERAMI C CHIP 0.01 Z 50V			
C107A	403 069 1712	CERAMI C 1000P K 50V			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
△ C421	404 046 8806	MT- POLYPRO 6200P J 1. 5K	C871	403 068 0419	CERAMI C 0. 1U Z 25V
C422	403 299 3210	POLYPRO 0. 027U J 400V	C872	403 043 9106	ELECT 47U M 16V
△ C423	404 061 0601	MT- POLYPRO 5100P J 1. 5K	C873	403 018 0503	CERAMI C 22P J 50V
C424	403 299 3111	POLYPRO 0. 022U J 400V	C874	403 018 0503	CERAMI C 22P J 50V
C430	403 075 9709	CERAMI C 1800P K 500V	C875	403 068 0419	CERAMI C 0. 1U Z 25V
C431	403 068 5612	CERAMI C 0. 056U Z 25V	C878	403 073 9117	CERAMI C 4700P K 50V
C432	403 075 7101	CERAMI C 1000P K 500V	C879	403 068 0419	CERAMI C 0. 1U Z 25V
C433	403 076 3102	CERAMI C 3900P K 500V	C881	403 069 9510	CERAMI C CHIP 0. 01 Z 50V
C434	403 229 1207	ELECT 47U M 35V	C882	403 049 4204	ELECT 10U M 50V
C437	403 066 6106	MT- POLYEST 0. 47U J 250V	C883	403 018 0503	CERAMI C 22P J 50V
C438	403 178 9319	POLYESTER 0. 01U J 50V	C884	403 018 0503	CERAMI C 22P J 50V
△ C441	403 083 5106	POLYPRO 0. 27U J 400V	RESISTOR		
C445	403 049 4204	ELECT 10U M 50V	R001	401 037 5410	MT- GLAZE 1K JA 1/10W
C462	403 049 0008	ELECT 1U M 50V	R002	401 038 5112	MT- GLAZE 3. 9K JA 1/10W
C463	403 237 8057	MT- COMPO 0. 1U J 50V	R003	401 037 5410	MT- GLAZE 1K JA 1/10W
C464	403 255 8934	MT- COMPO 0. 39U J 50V	R004	401 038 5112	MT- GLAZE 3. 9K JA 1/10W
C465	403 066 0104	MT- POLYEST 2. 2U K 100V	R005	401 019 9640	CARBON 47 JA 1/4W
C467	403 040 3701	ELECT 220U M 10V	R006	401 014 4145	CARBON 1K5 JA 1/4W
C468	403 045 5809	ELECT 22U M 25V	R007	401 019 9640	CARBON 47 JA 1/4W
C470	403 069 8305	CERAMI C 0. 01U Z 50V	R008	401 014 4145	CARBON 1K5 JA 1/4W
C481	403 076 1405	CERAMI C 2700P K 500V	R009	401 010 1514	CARBON 4. 7 JA 1/2W
C482	403 159 7409	MT- POLYEST 0. 1U K 250V	R010	401 010 1514	CARBON 4. 7 JA 1/2W
C501	403 054 1502	ELECT 470U M 35V	R011	401 007 7641	CARBON 150 JA 1/2W
C502	403 217 1103	ELECT 220U M 35V	R012	401 007 7641	CARBON 150 JA 1/2W
C503	403 024 2112	CERAMI C 39P J 50V	R013	401 037 6714	MT- GLAZE 1. 2K JA 1/10W
C504	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	R014	401 016 2644	CARBON 220 JA 1/4W
C505	403 075 7101	CERAMI C 1000P K 500V	R015	401 037 5410	MT- GLAZE 1K JA 1/10W
C506	403 183 7901	MT- POLYEST 0. 1U K 100V	R016	401 038 6515	MT- GLAZE 47K JA 1/10W
C511	403 183 7901	MT- POLYEST 0. 1U K 100V	R017	401 037 5618	MT- GLAZE 10K JA 1/10W
C512	403 148 0701	ELECT 2200U M 25V	R100	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W
C513	403 049 4204	ELECT 10U M 50V	R1001	401 038 7611	MT- GLAZE 560 JA 1/10W
C514	403 049 4204	ELECT 10U M 50V	R1002	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
C600	403 076 4000	CERAMI C 4700P K 500V	R1003	401 038 7611	MT- GLAZE 560 JA 1/10W
△ C601	404 060 7205	MT- POLYEST 0. 1U M 250V	R1004	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
△ C602	404 060 7205	MT- POLYEST 0. 1U M 250V	R1005	401 027 6628	CARBON 75 JA 1/6W
C603	403 076 7130	CERAMI C 1000P M 1K	R1006	401 038 5310	MT- GLAZE 39K JA 1/10W
C604	403 076 7130	CERAMI C 1000P M 1K	R1007	401 038 3712	MT- GLAZE 33K JA 1/10W
C605	403 076 7130	CERAMI C 1000P M 1K	R1008	401 027 6628	CARBON 75 JA 1/6W
C606	403 076 7130	CERAMI C 1000P M 1K	R1009	401 027 6628	CARBON 75 JA 1/6W
C607	404 047 1608	ELECT 270U M 385V	R101	401 037 7810	MT- GLAZE 150 JA 1/10W
C613	403 179 1213	POLYESTER 4700P J 50V	R1010	401 027 6628	CARBON 75 JA 1/6W
C614	403 237 8057	MT- COMPO 0. 1U J 50V	R1011	401 037 5212	MT- GLAZE 100 JA 1/10W
C615	403 179 3217	POLYESTER 0. 015U J 50V	R1012	401 027 6628	CARBON 75 JA 1/6W
C616	403 246 8708	CERAMI C 1000P K 2K	R1013	401 012 4543	CARBON 100 JA 1/4W
C617	403 179 2418	POLYESTER 0. 022U K 50V	R1014	401 027 6628	CARBON 75 JA 1/6W
△ C631	404 060 6505	CERAMI C 2200P M 400V	R1015	401 038 6416	MT- GLAZE 4. 7K JA 1/10W
△ C632	404 044 2806	CERAMI C 470P K 400V	R1016	401 019 1040	CARBON 390 JA 1/4W
C640	403 069 8305	CERAMI C 0. 01U Z 50V	R1017	401 024 7430	CARBON 10K JA 1/6W
C641	403 165 9335	CERAMI C 680P K 1K	R1018	401 038 3514	MT- GLAZE 330 JA 1/10W
C642	404 055 9801	ELECT 220U M 200V	R1021	401 038 7611	MT- GLAZE 560 JA 1/10W
C643	403 148 2002	ELECT 470U M 35V	R1022	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
C644	403 148 0701	ELECT 2200U M 25V	R1023	401 038 7611	MT- GLAZE 560 JA 1/10W
C645	403 158 1309	ELECT 2200U M 35V	R1024	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
C651	403 148 0305	ELECT 470U M 16V	R1025	401 038 5310	MT- GLAZE 39K JA 1/10W
C652	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	R1026	401 038 3712	MT- GLAZE 33K JA 1/10W
C653	403 043 9106	ELECT 47U M 16V	R1027	401 027 6628	CARBON 75 JA 1/6W
C655	403 126 4400	ELECT 100U M 10V	R1028	401 027 6628	CARBON 75 JA 1/6W
C661	403 051 0607	ELECT 4. 7U M 50V	R1029	401 017 0847	CARBON 270 JA 1/4W
C681	403 190 4702	ELECT 1000U M 25V	R1031	401 038 0612	MT- GLAZE 220 JA 1/10W
C682	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	R1032	401 038 0612	MT- GLAZE 220 JA 1/10W
C683	403 147 9606	ELECT 1000U M 10V	R1033	401 038 0612	MT- GLAZE 220 JA 1/10W
C684	403 049 9803	ELECT 2. 2U M 50V	R1041	401 038 2210	MT- GLAZE 27K JA 1/10W
C802	403 237 8057	MT- COMPO 0. 1U J 50V	R1042	401 037 5618	MT- GLAZE 10K JA 1/10W
C812	403 049 0008	ELECT 1U M 50V	R1043	401 039 0314	MT- GLAZE 820 JA 1/10W
C814	403 049 0008	ELECT 1U M 50V	R1044	401 039 0314	MT- GLAZE 820 JA 1/10W
C816	403 051 0607	ELECT 4. 7U M 50V	R1045	401 037 5410	MT- GLAZE 1K JA 1/10W
C818	403 051 0607	ELECT 4. 7U M 50V	R1046	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
C841	403 069 9510	CERAMI C CHIP 0. 01 Z 50V	R1047	401 037 6714	MT- GLAZE 1. 2K JA 1/10W
C861	403 179 0810	POLYESTER 0. 0056U J 50V	R1051	401 037 8114	MT- GLAZE 150K JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1052	401 037 5717	MT- GLAZE 100K JA 1/10W	R203	401 024 6720	CARBON 100 JA 1/6W
R1053	401 037 6714	MT- GLAZE 1. 2K JA 1/10W	R204	401 024 6720	CARBON 100 JA 1/6W
R1054	401 037 8114	MT- GLAZE 150K JA 1/10W	R205	401 024 6720	CARBON 100 JA 1/6W
R1055	401 037 5717	MT- GLAZE 100K JA 1/10W	R206	401 037 5212	MT- GLAZE 100 JA 1/10W
R1056	401 037 6714	MT- GLAZE 1. 2K JA 1/10W	R207	401 037 5212	MT- GLAZE 100 JA 1/10W
R108	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R208	401 037 5212	MT- GLAZE 100 JA 1/10W
R110	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R212	401 017 1844	CARBON 2K7 JA 1/4W
R1101	401 027 6628	CARBON 75 JA 1/6W	R213	401 038 7710	MT- GLAZE 5. 6K JA 1/10W
R1102	401 038 2012	MT- GLAZE 270 JA 1/10W	R214	401 037 5212	MT- GLAZE 100 JA 1/10W
R1103	401 038 0711	MT- GLAZE 2. 2K JA 1/10W	R215	401 038 3712	MT- GLAZE 33K JA 1/10W
R1104	401 038 0711	MT- GLAZE 2. 2K JA 1/10W	R216	401 016 4836	CARBON 22K JA 1/4W
R1105	401 037 5717	MT- GLAZE 100K JA 1/10W	R217	401 016 4836	CARBON 22K JA 1/4W
R1106	401 037 5717	MT- GLAZE 100K JA 1/10W	R218	401 038 7819	MT- GLAZE 56K JA 1/10W
R1111	401 037 5618	MT- GLAZE 10K JA 1/10W	R223	401 014 9506	CARBON 160K JA 1/4W
R1200	401 022 1935	CARBON 680 JA 1/4W	R224	401 024 7024	CARBON 1K JA 1/6W
R1201	401 038 6515	MT- GLAZE 47K JA 1/10W	R226	401 026 7428	CARBON 39K JA 1/6W
R1202	401 038 6515	MT- GLAZE 47K JA 1/10W	R227	401 012 7049	CARBON 10K JA 1/4W
R1203	401 037 5618	MT- GLAZE 10K JA 1/10W	R231	401 038 2012	MT- GLAZE 270 JA 1/10W
R1204	401 038 2210	MT- GLAZE 27K JA 1/10W	R232	401 038 2012	MT- GLAZE 270 JA 1/10W
R1205	401 038 2210	MT- GLAZE 27K JA 1/10W	R271	401 024 6720	CARBON 100 JA 1/6W
R1208	401 038 0810	MT- GLAZE 22K JA 1/10W	R272	401 024 9028	CARBON 120 JA 1/6W
R1209	401 012 7049	CARBON 10K JA 1/4W	R351	401 037 5212	MT- GLAZE 100 JA 1/10W
R121	401 020 2944	CARBON 47K JA 1/4W	R352	401 037 5816	MT- GLAZE 1M JA 1/10W
R131	401 038 0919	MT- GLAZE 220K JA 1/10W	R353	401 038 0919	MT- GLAZE 220K JA 1/10W
R132	401 038 0919	MT- GLAZE 220K JA 1/10W	R354	401 024 7727	CARBON 100K JA 1/6W
R133	401 037 9111	MT- GLAZE 180 JA 1/10W	R355	401 012 9904	CARBON 10M JA 1/4W
R134	401 038 9219	MT- GLAZE 6. 8K JA 1/10W	R356	401 037 5212	MT- GLAZE 100 JA 1/10W
R135	401 038 6515	MT- GLAZE 47K JA 1/10W	R357	401 037 5618	MT- GLAZE 10K JA 1/10W
R136	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R361	401 038 5419	MT- GLAZE 390K JA 1/10W
R137	401 037 5212	MT- GLAZE 100 JA 1/10W	R363	401 038 0810	MT- GLAZE 22K JA 1/10W
R138	401 038 7710	MT- GLAZE 5. 6K JA 1/10W	R364	401 037 5212	MT- GLAZE 100 JA 1/10W
R141	401 038 9219	MT- GLAZE 6. 8K JA 1/10W	R365	401 038 6416	MT- GLAZE 4. 7K JA 1/10W
R150	401 024 7024	CARBON 1K JA 1/6W	R431	401 038 3514	MT- GLAZE 330 JA 1/10W
R151	401 022 1935	CARBON 680 JA 1/4W	R432	401 037 5410	MT- GLAZE 1K JA 1/10W
R152	401 026 3925	CARBON 330 JA 1/6W	R433	401 007 1134	CARBON 1K JA 1/2W
R153	401 037 5410	MT- GLAZE 1K JA 1/10W	R434	401 067 9201	OXI DE- MT 390 JA 2W
R154	401 037 7919	MT- GLAZE 1. 5K JA 1/10W	R435	402 075 2307	WI RE WOUND 10 JA 5W
R155	401 037 5410	MT- GLAZE 1K JA 1/10W	R436	401 012 7049	CARBON 10K JA 1/4W
R156	401 037 5410	MT- GLAZE 1K JA 1/10W	R441	401 058 3706	OXI DE- MT 1K JA 1W
R157	401 039 0918	MT- GLAZE 910 JA 1/10W	R447	401 026 9927	CARBON 4K7 JA 1/6W
R158	401 037 5410	MT- GLAZE 1K JA 1/10W	R448	401 009 5843	CARBON 330 JA 1/2W
R159	401 022 1935	CARBON 680 JA 1/4W	R451	401 064 5305	OXI DE- MT 1. 5 JA 2W
R163	401 038 6515	MT- GLAZE 47K JA 1/10W	R462	401 014 4145	CARBON 1K5 JA 1/4W
R171	401 038 6317	MT- GLAZE 470 JA 1/10W	R463	401 025 1625	CARBON 1K5 JA 1/6W
R172	401 016 2644	CARBON 220 JA 1/4W	R467	401 025 8723	CARBON 220K JA 1/6W
R173	401 025 7429	CARBON 220 JA 1/6W	R468	401 025 4220	CARBON 1K8 JA 1/6W
R1900	401 038 7819	MT- GLAZE 56K JA 1/10W	R469	401 027 5928	CARBON 68K JA 1/6W
R1901	401 037 8015	MT- GLAZE 15K JA 1/10W	R470	401 027 0329	CARBON 47K JA 1/6W
R1901A	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R471	401 025 1625	CARBON 1K5 JA 1/6W
R1902	401 039 0413	MT- GLAZE 8. 2K JA 1/10W	R472	401 027 0329	CARBON 47K JA 1/6W
R1902A	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R473	401 027 5225	CARBON 680 JA 1/6W
R1903	401 038 6416	MT- GLAZE 4. 7K JA 1/10W	R474	401 009 0927	CARBON 270 JA 1/2W
R1903A	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R481	401 015 4738	CARBON 180K JA 1/4W
R1904	401 038 2111	MT- GLAZE 2. 7K JA 1/10W	R482	401 027 2620	CARBON 5K6 JA 1/6W
R1905	401 038 0711	MT- GLAZE 2. 2K JA 1/10W	R501	401 020 2053	CARBON 4. 7K JA 1/4W
R1906	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W	R502	402 051 8705	FUSI BLE RES 4. 7 J- 1/2W
R1907	401 037 5618	MT- GLAZE 10K JA 1/10W	R504	401 027 3023	CARBON 56K JA 1/6W
R1908	401 038 3514	MT- GLAZE 330 JA 1/10W	R505	401 026 7022	CARBON 3K9 JA 1/6W
R1909	401 037 7919	MT- GLAZE 1. 5K JA 1/10W	R506	401 026 9927	CARBON 4K7 JA 1/6W
R1911	401 038 6317	MT- GLAZE 470 JA 1/10W	R507	401 027 5027	CARBON 68 JA 1/6W
R1921	401 037 6615	MT- GLAZE 120 JA 1/10W	R508	401 025 7825	CARBON 2K2 JA 1/6W
R1922	401 038 5013	MT- GLAZE 390 JA 1/10W	R509	401 057 7507	OXI DE- MT 0. 82 JA 1W
R1924	401 022 3147	CARBON 6K8 JA 1/4W	R511	401 061 6404	OXI DE- MT 390 JA 1W
R2001	401 038 2210	MT- GLAZE 27K JA 1/10W	R513	401 058 3706	OXI DE- MT 1K JA 1W
R2002	401 037 5618	MT- GLAZE 10K JA 1/10W	R521	402 037 1805	FUSI BLE RES 4. 7 J- 1W
R2004	401 037 7810	MT- GLAZE 150 JA 1/10W	R602	402 072 4403	WI RE WOUND 3. 9 KA 7W
R2005	401 019 1941	CARBON 3K9 JA 1/4W	R611	401 027 2620	CARBON 5K6 JA 1/6W
R201	401 039 0413	MT- GLAZE 8. 2K JA 1/10W	R615	401 025 8228	CARBON 22K JA 1/6W
R202	401 037 5717	MT- GLAZE 100K JA 1/10W	R617	401 024 7024	CARBON 1K JA 1/6W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R619	401 016 1538	CARBON 22 JA 1/4W	R866	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
R620	401 007 5815	CARBON 120K JA 1/2W	R867	401 038 0711	MT- GLAZE 2. 2K JA 1/10W
R621	401 007 5815	CARBON 120K JA 1/2W	R868	401 037 6714	MT- GLAZE 1. 2K JA 1/10W
R622	401 014 5241	CARBON 15K JA 1/4W	R869	401 038 2210	MT- GLAZE 27K JA 1/10W
R623	401 025 4220	CARBON 1K8 JA 1/6W	R870	401 016 4836	CARBON 22K JA 1/4W
R624	401 068 6902	OXI DE- MT 56 JA 2W	R870A	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W
R625	401 065 9609	OXI DE- MT 18 JA 2W	R871	401 038 6416	MT- GLAZE 4. 7K JA 1/10W
R626	401 016 3344	QARBON 2. 2K GA 1/4W	R872	401 038 3712	MT- GLAZE 33K JA 1/10W
Δ R631	402 000 8602	SOLI D 5. 6M KA 1/2W	R873	401 038 6416	MT- GLAZE 4. 7K JA 1/10W
Δ R632	402 000 8602	SOLI D 5. 6M KA 1/2W	R874	401 037 5618	MT- GLAZE 10K JA 1/10W
R641	401 014 6149	CARBON 150K JA 1/4W	R875	401 038 7710	MT- GLAZE 5. 6K JA 1/10W
R642	401 027 4327	CARBON 6. 2K JA 1/6W	R876	401 037 5618	MT- GLAZE 10K JA 1/10W
R643	401 015 4738	CARBON 180K JA 1/4W	R877	401 039 0413	MT- GLAZE 8. 2K JA 1/10W
R644	401 011 2718	CARBON 68K JA 1/2W	R878	401 037 7919	MT- GLAZE 1. 5K JA 1/10W
R645	401 025 8228	CARBON 22K JA 1/6W	R879	401 037 5618	MT- GLAZE 10K JA 1/10W
R646	402 067 6207	WI RE WOUND 2. 2 KA 5W	R880	401 038 6515	MT- GLAZE 47K JA 1/10W
R647	402 075 9207	WI RE WOUND 2. 2 KA 7W	R884	401 037 7810	MT- GLAZE 150 JA 1/10W
R648	401 024 7430	CARBON 10K JA 1/6W	R885	401 038 5112	MT- GLAZE 3. 9K JA 1/10W
R651	401 064 3806	OXI DE- MT 1 JA 2W	R886	401 037 7810	MT- GLAZE 150 JA 1/10W
R652	401 065 1801	OXI DE- MT 12 JA 2W	R887	401 038 5112	MT- GLAZE 3. 9K JA 1/10W
R653	401 067 8204	OXI DE- MT 39 JA 2W	R888	401 037 5212	MT- GLAZE 100 JA 1/10W
R655	401 065 5809	OXI DE- MT 15 JA 2W	R889	401 037 5212	MT- GLAZE 100 JA 1/10W
R661	401 066 2104	OXI DE- MT 18K JA 2W	R892	401 038 6416	MT- GLAZE 4. 7K JA 1/10W
R681	401 008 1628	CARBON 1K8 JA 1/2W	R895	401 037 6714	MT- GLAZE 1. 2K JA 1/10W
R682	401 069 1708	OXI DE- MT 68 JA 2W			
R684	401 023 2842	CARBON 8K2 JA 1/4W			
R685	401 025 8228	CARBON 22K JA 1/6W			
R800	401 016 3849	CARBON 2. 2K JA 1/4W			
R801	401 037 5014	MT- GLAZE 0. 000 ZA 1/10W			
R802	401 038 0711	MT- GLAZE 2. 2K JA 1/10W			
R803	401 037 9418	MT- GLAZE 180K JA 1/10W			
R804	401 024 7430	CARBON 10K JA 1/6W			
R806	401 024 7430	CARBON 10K JA 1/6W			
R807	401 024 7430	CARBON 10K JA 1/6W			
R811	401 016 3849	CARBON 2. 2K JA 1/4W			
R812	401 038 5112	MT- GLAZE 3. 9K JA 1/10W			
R813	401 018 4933	CARBON 33K JA 1/4W			
R815	401 012 4543	CARBON 100 JA 1/4W			
R816	401 038 9219	MT- GLAZE 6. 8K JA 1/10W			
R817	401 016 3849	CARBON 2. 2K JA 1/4W			
R818	401 038 9318	MT- GLAZE 68K JA 1/10W			
R819	401 016 3849	CARBON 2. 2K JA 1/4W			
R820	401 037 5618	MT- GLAZE 10K JA 1/10W			
R821	401 038 0810	MT- GLAZE 22K JA 1/10W			
R822	401 038 6515	MT- GLAZE 47K JA 1/10W			
R823	401 016 3849	CARBON 2. 2K JA 1/4W			
R824	401 038 6416	MT- GLAZE 4. 7K JA 1/10W			
R825	401 038 3613	MT- GLAZE 3. 3K JA 1/10W			
R831	401 037 5618	MT- GLAZE 10K JA 1/10W			
R832	401 037 5618	MT- GLAZE 10K JA 1/10W			
R838	401 037 8015	MT- GLAZE 15K JA 1/10W			
R839	401 018 4933	CARBON 33K JA 1/4W			
R840	401 020 0841	CARBON 470 JA 1/4W			
R841	401 038 0810	MT- GLAZE 22K JA 1/10W			
R842	401 020 2053	CARBON 4. 7K JA 1/4W			
R843	401 037 5618	MT- GLAZE 10K JA 1/10W			
R844	401 038 5112	MT- GLAZE 3. 9K JA 1/10W			
R845	401 037 5618	MT- GLAZE 10K JA 1/10W			
R846	401 038 6416	MT- GLAZE 4. 7K JA 1/10W			
R847	401 037 5618	MT- GLAZE 10K JA 1/10W			
R848	401 038 6416	MT- GLAZE 4. 7K JA 1/10W			
R851	401 037 5410	MT- GLAZE 1K JA 1/10W			
R852	401 037 5410	MT- GLAZE 1K JA 1/10W			
R853	401 038 0810	MT- GLAZE 22K JA 1/10W			
R861	401 038 2111	MT- GLAZE 2. 7K JA 1/10W			
R862	401 038 0810	MT- GLAZE 22K JA 1/10W			
R863	401 038 0810	MT- GLAZE 22K JA 1/10W			
R864	401 039 0314	MT- GLAZE 820 JA 1/10W			
R865	401 038 0711	MT- GLAZE 2. 2K JA 1/10W			
			VARIABLE RESISTOR		
			VR131	645 003 5531	VR 10K ALPS
			VR361	645 003 5531	VR 10K ALPS
			VR462	645 003 5616	VR 4. 7K ALPS
			VR501	645 006 5231	VR 100 ALPS
			VR641	645 003 5579	VR 2. 2K ALPS
			TRANSFORMER		
			T101	610 037 4508	S COIL
			T141	610 037 4522	S COIL
			T431	610 223 1656	DRI VE TRANS
Δ	T451	645 021 2741	TRANS, FLYBACK - MEXI CO		
Δ	T611	645 015 7653	TRANS, POWER, PULSE		
Δ	T681	610 033 3758	POWER TRANS		
			COIL		
			L001	645 008 5635	INDUCTOR, 12U K
			L002	645 008 5635	INDUCTOR, 12U K
			L003	645 002 4511	CORE, PIPE
			L1002	645 002 4511	CORE, PIPE
			L1003	645 001 4550	PEAKING COIL 10UHK
			L1004	645 001 4550	PEAKING COIL 10UHK
			L1005	645 001 4550	PEAKING COIL 10UHK
			L1006	645 001 4550	PEAKING COIL 10UHK
			L101	645 001 4710	PEAKING COIL 10UH J
			L102	645 001 5656	PEAKING COIL 4. 7UH K
			L1022	645 002 4511	CORE, PIPE
			L1023	645 001 4550	PEAKING COIL 10UHK
			L1024	645 001 4550	PEAKING COIL 10UHK
			L1025	645 001 4550	PEAKING COIL 10UHK
			L1026	645 001 4550	PEAKING COIL 10UHK
			L1027	645 001 5656	PEAKING COIL 4. 7UH K
			L1101	645 001 4550	PEAKING COIL 10UHK
			L1102	645 001 4550	PEAKING COIL 10UHK
			L1103	645 001 5656	PEAKING COIL 4. 7UH K
			L141	645 001 4550	PEAKING COIL 10UHK
			L151	645 001 4635	PEAKING COIL
			L152	645 002 1459	PEAKING COIL
			L201	645 001 4710	PEAKING COIL 10UH J
			L202	645 001 4710	PEAKING COIL 10UH J
			L203	645 001 4710	PEAKING COIL 10UH J
			L231	645 001 5656	PEAKING COIL 4. 7UH K
			L232	645 003 8518	PEAKING COIL
			L431	645 008 5628	INDUCTOR, 1U M
			L432	645 002 4511	CORE, PIPE

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L441	610 000 0964	LINEARITY COIL	D644	407 166 2303	DIODE ERC-91-02L
L442	610 221 3348	COIL	D645	407 053 7206	ZENER DIODE MTZ6. 2C
L461	645 005 5645	INDUCTOR 222UH K	D647	407 012 4416	DIODE 1SS133-T-77
L462	610 000 0261	COIL	D648	407 053 4007	ZENER DIODE MTZ16C
L501	645 008 5642	INDUCTOR, 3. 3U K	D651	407 005 7328	DIODE EMO1Z
Δ L601	645 017 1260	ELF 18D431F LINE FILTER	D654	407 012 4416	DIODE 1SS133-T-77
L607	610 237 1000	PIPE CORE	D661	409 026 8005	IC L5630
L608	610 237 1000	PIPE CORE	D681	407 005 7328	DIODE EMO1Z
L641	645 002 4511	CORE, PIPE	D682	407 053 6803	ZENER DIODE MTZ5. 6C
L642	645 002 4511	CORE, PIPE	D683	407 005 7328	DIODE EMO1Z
L643	645 002 4511	CORE, PIPE	D684	408 007 8607	DIODE 1N4148
L871	645 008 2962	PEAKING COIL 5. 6UH K	D685	407 012 4416	DIODE 1SS133-T-77
L881	645 012 8707	PEAKING COIL 1. 5UH M	D831	408 007 8607	DIODE 1N4148
			D861	407 012 4416	DIODE 1SS133-T-77
			D871	407 012 4416	DIODE 1SS133-T-77
			D872	407 055 7927	ZENER DIODE RD3. 6EL
DIODE			MISCELLANEOUS		
D1005	407 063 8319	ZENER DIODE MTZJ11C	A101	645 009 5993	TUNER, U
D1007	407 063 8319	ZENER DIODE MTZJ11C	A1901	645 020 9277	UNIT, REMOCON RECEIVER
D1008	407 063 8319	ZENER DIODE MTZJ11C	Δ F601	423 022 2102	FUSE 250V 4. 0A
D1010	407 063 8319	ZENER DIODE MTZJ11C	F601A	645 000 5077	HOLDER, FUSE
D1011	407 063 8319	ZENER DIODE MTZJ11C	F601B	645 000 5077	HOLDER, FUSE
D1021	407 063 8319	ZENER DIODE MTZJ11C	J025	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1022	407 063 8319	ZENER DIODE MTZJ11C	J044	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1023	407 063 8319	ZENER DIODE MTZJ11C	J130	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1024	407 063 8319	ZENER DIODE MTZJ11C	J225	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1026	407 063 8319	ZENER DIODE MTZJ11C	J226	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1027	407 063 8319	ZENER DIODE MTZJ11C	J231	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1101	407 063 8319	ZENER DIODE MTZJ11C	J232	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1201	407 053 6803	ZENER DIODE MTZ5. 6C	J233	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D135	407 063 8319	ZENER DIODE MTZJ11C	J234	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1901-1	610 269 4697	HOLDER LED A-E7GC	J235	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1901A	407 120 9706	LED LN28RPL	J236	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1903	407 063 8319	ZENER DIODE MTZJ11C	J237	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D1905	407 012 4416	DIODE 1SS133-T-77	J238	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D201	407 063 8319	ZENER DIODE MTZJ11C	J239	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D202	407 063 8319	ZENER DIODE MTZJ11C	J240	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D203	407 063 8319	ZENER DIODE MTZJ11C	J241	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D210	407 012 4416	DIODE 1SS133-T-77	J242	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D221	407 012 4416	DIODE 1SS133-T-77	J244	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D222	408 007 8607	DIODE 1N4148	J245	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D271	407 053 6407	ZENER DIODE MTZ5. 1C	J247	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D352	407 057 8308	ZENER DIODE RD8. 2EB2	J248	401 037 5014	MT-GLAZE 0. 000 ZA 1/10W
D361	407 063 8319	ZENER DIODE MTZJ11C	KDY-1	645 008 4058	TERMINAL PLUG
D431	407 053 8708	ZENER DIODE MTZ9. 1A	KDY-3	645 008 4058	TERMINAL PLUG
D432	407 005 7328	DIODE EMO1Z	KDY-5	645 008 4058	TERMINAL PLUG
D438	407 095 8001	DIODE ERD07-15L	KDY-6	645 008 4058	TERMINAL PLUG
D439	407 006 4128	DIODE ERB44-04V1	KE-1	645 008 4058	TERMINAL PLUG
D442	408 007 8607	DIODE 1N4148	KE-2	645 008 4058	TERMINAL PLUG
D445	407 012 4416	DIODE 1SS133-T-77	KF-1	645 008 4058	TERMINAL PLUG
D446	407 151 9003	ZENER DIODE UZ-7. 5BCC	KF-2	645 008 4058	TERMINAL PLUG
D464	407 053 6605	ZENER DIODE MTZ5. 6A	KL	645 004 2881	PLUG, 2P
D465	407 012 4416	DIODE 1SS133-T-77	KP	645 008 7288	HOUSING PLUG 5P
D466	407 077 9705	ZENER DIODE MTZ20A	KQ	645 008 7264	HOUSING PLUG 3P
D469	407 007 7415	DIODE EU1	KR-1	645 008 4058	TERMINAL PLUG
D481	407 007 7415	DIODE EU1	KR-2	645 008 4058	TERMINAL PLUG
D482	407 012 4416	DIODE 1SS133-T-77	KSC	645 008 4058	TERMINAL PLUG
D501	407 005 7328	DIODE EMO1Z	K001	645 005 5706	PHONE JACK HTJ-035-10AB
D502	407 118 2217	ZENER DIODE 1Z75	K10B	645 008 7288	HOUSING PLUG 5P
D603	407 009 6921	DIODE RM11C	K1001	645 005 5867	21-PIN SOCKET
D604	407 009 6921	DIODE RM11C	K1001Z	610 261 2813	MOUNTING BRKT-F2WW
D605	407 009 6921	DIODE RM11C	K1002	645 005 5867	21-PIN SOCKET
D606	407 009 6921	DIODE RM11C	K1002Z	610 261 2813	MOUNTING BRKT-F2WW
D614	408 007 8607	DIODE 1N4148	K1101	645 016 6433	JACK, RCA-3
Δ D615	408 009 8407	PHOTO COUPLE CNY17GF-3	Δ PS601	408 013 3801	TH PTH451C262BF140M270
D616	408 007 8607	DIODE 1N4148	SW1901	610 011 4432	SWITCH, PUSH
D617	407 007 6616	DIODE ES1	SW1902	610 011 4432	SWITCH, PUSH
D618	408 007 8607	DIODE 1N4148	SW1903	610 011 4432	SWITCH, PUSH
D619	407 053 3000	ZENER DIODE MTZ11C	SW1904	610 011 4432	SWITCH, PUSH
D641	407 009 8816	DIODE RU3AM			
D642	407 007 7613	DIODE EU2			
D643	407 166 2303	DIODE ERC-91-02L			

Ref. No.	Part No.	Decription	Ref. No.	Part No.	Decription
	SW501	610 011 2728 SWITCH, LEVER 1P- 3T			
Δ	SW601	645 024 0607 PUSH SW POWER SDDFC3			
	TP- A	645 008 4058 TERMINAL PLUG			
	TP- B	645 008 4058 TERMINAL PLUG			
	TP- D	645 008 4058 TERMINAL PLUG			
	TP- E	645 008 4058 TERMINAL PLUG			
	X131	421 002 4702 SAW F TSF5322			
	X151	645 001 7902 TRAP, CERAMIC (6. 0W3)			
	X201	645 018 9050 OSC, CRYSTAL 4. 43MHZ			
	X871	645 018 9593 OSC, CRYSTAL 12MHZ			
	Y01	645 008 4058 TERMINAL PLUG			
	Y02	645 008 4058 TERMINAL PLUG			
	Y04	645 008 4058 TERMINAL PLUG			
	Y05	645 008 4058 TERMINAL PLUG			
	Y06	645 008 4058 TERMINAL PLUG			
	Y07	645 008 4058 TERMINAL PLUG			
	Y08	645 008 4058 TERMINAL PLUG			
	Y09	645 008 4058 TERMINAL PLUG			
	Y10	645 008 4058 TERMINAL PLUG			
	Y11	645 008 4058 TERMINAL PLUG			
	Z101	610 259 7813 SHIELD CASE- A- F2RC			
	Z102	610 259 7820 SHIELD CASE- B- F2RC			



Colour Television Service Manual

CE25DN3-B

Chassis:

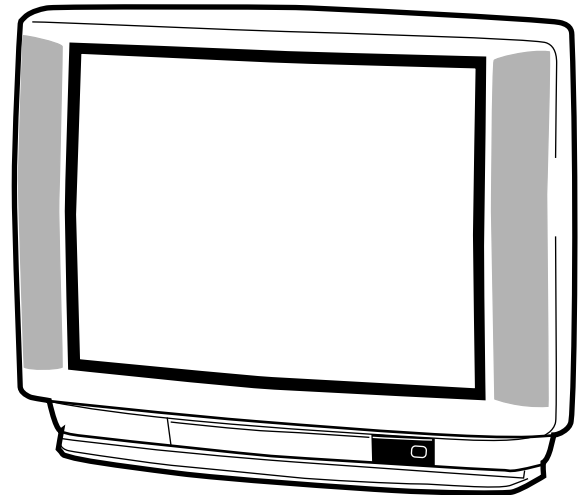
EB4-A(MKII)

Service Ref.No.:

CE25DN3-B-04

SERVICE MANUAL SUPPLEMENT

Chassis No. EB4-A25



SERVICE MANUAL SUPPLEMENT
THIS SUPPLEMENT SHOULD BE FILED
WITH THE ORIGINAL SERVICE MANUAL
FOR CE25DN3-B-01.

SERVICE MANUAL SUPPLEMENT
FOR ALL INFORMATION NOT CONTAINED
IN THIS SUPPLEMENT PLEASE REFER TO
THE ORIGINAL SERVICE MANUAL FOR
CE25DN3-B-01. THIS SUPPLEMENT ONLY
CONTAINS DIFFERENCES BETWEEN
SERVICE REFERENCE NUMBERS.
FOR SCHEMATIC DIAGRAM REFER TO
CE25DN3-B-01.

Give complete "SERVICE REF. NO." for parts
order or servicing, it is shown on the rating
sheet on the cabinet back of the TV set.

Note
This TV receiver will not work properly in
foreign countries where the television
transmission system and power source differ
from the design specifications. Refer to the
specifications for the design specifications.

Specifications

Power source	AC 220~240V 50Hz
Television system	System I
Colour system	PAL
Receiving channel	UHF :21~69
Aerial input impedance	75ohm
AV terminal	
21 Pin socket	CENELEC standard
Sound output	12 x 2 watts (MUSIC)
Picture tube	63cm diagonal, 110 degree
(Visible picture diagonal)	59cm
Dimensions (WxHxD)	680 x 543 x 447mm
Weight	26 Kg

ELECTRICAL PARTS LIST DIFFERENCES

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Service Ref. No. CE25DN3-B-04 Chassis construction ASSY, PWB, MAIN F3PMY 1AA0B10H019J0 (Differences) ASSY, PWB, SIF F3JM 1AA0B10E4120A (Page 13) ASSY, PWB, AUDIO F3JM 1AA0B10E4120B (Page 13) ASSY, PWB, CRT F2RC 1AA0B10E24500 (Page 13) OUT OF CIRCUIT (Page 12)					
ASSY, PWB, MAIN F3PMY 1AA0B10H019J0 (SAME AS 1AA0B10E41100 EXCEPT THE FOLLOWING DIFFERENCES)					
CAPACITOR					
C020	403 069 0517	CERAMIC	1000P K	50V	
C100	403 043 9106	ELECT	47U M	16V	
C1102			NOT FITTED		
C1105			NOT FITTED		
C162	403 068 2512	CERAMIC	0.22U Z	25V	
INTEGRATED CIRCUIT					
IC654	410 317 2909	IC BA178M09T			
IC801	410 317 2909	IC SAA5296ZP/092			
COIL					
L881		CUTTING WIRE			
L462	645 005 7014	INDUCTOR, 430UH			
RESISTOR					
R352		CUTTING WIRE			
R817A	401 037 5014	MT-GLAZE	0.000 ZA	1/10W	
R864	401 038 9011	MT-GLAZE	680 JA	1/10W	
TRANSISTOR					
Q432	406 015 2501	ON5111 (BU2708DX) PH.			
MISCELLANEOUS					
A101	645 023 4125	TUNER, U			

DETAIL OF CIRCUIT OF NEW TUNER



Colour Television Service Manual

CE25DN3-B

Chassis:

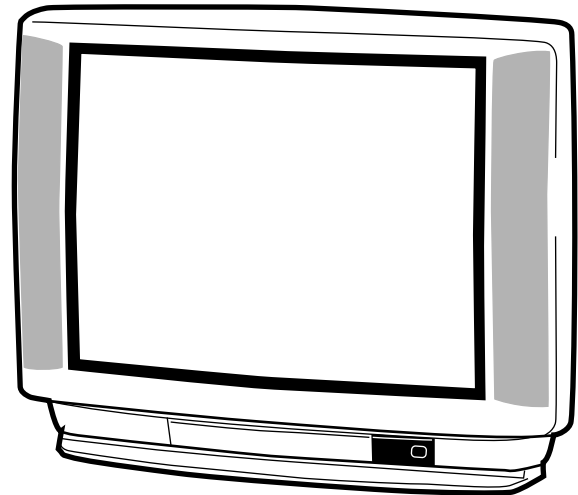
EB4-A(MKII)

Service Ref.No.:

CE25DN3-B-07

SERVICE MANUAL SUPPLEMENT

Chassis No. EB4-A25



SERVICE MANUAL SUPPLEMENT
THIS SUPPLEMENT SHOULD BE FILED
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FOR CE25DN3-B-01.

SERVICE MANUAL SUPPLEMENT
FOR ALL INFORMATION NOT CONTAINED
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THE ORIGINAL SERVICE MANUAL FOR
CE28DN3-B-01. THIS SUPPLEMENT ONLY
CONTAINS DIFFERENCES BETWEEN
SERVICE REFERENCE NUMBERS.
FOR SCHEMATIC DIAGRAM REFER TO
CE25DN3-B-01.

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sheet on the cabinet back of the TV set.

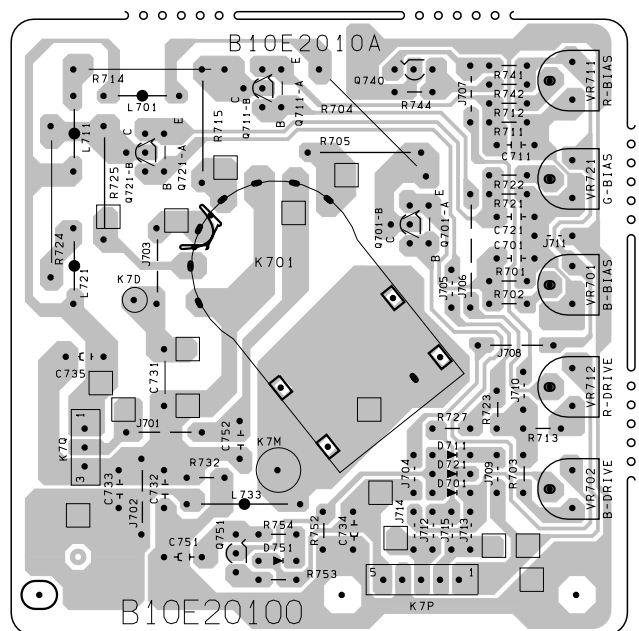
Note
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foreign countries where the television
transmission system and power source differ
from the design specifications. Refer to the
specifications for the design specifications.

Specifications

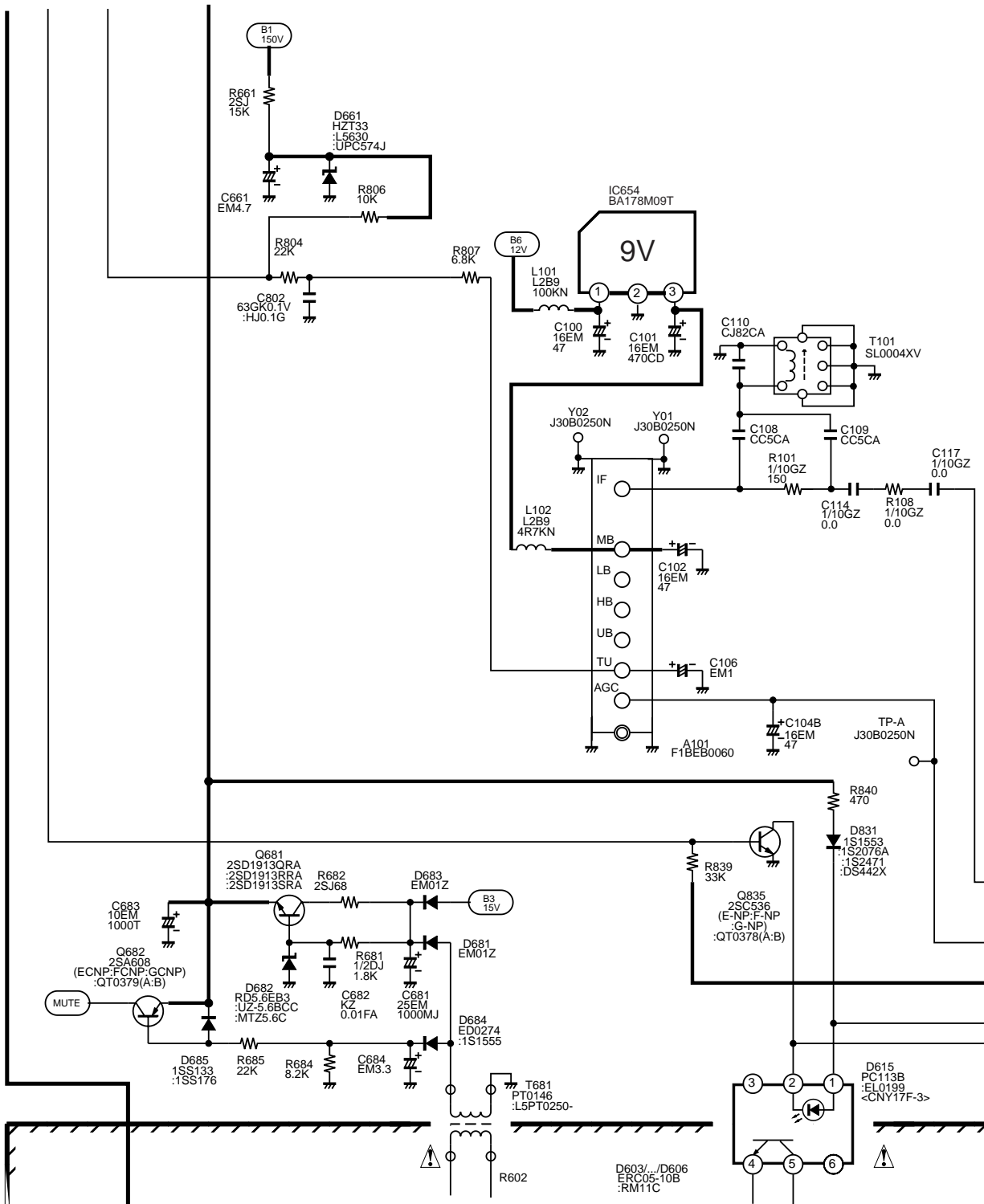
Power source	AC 220~240V 50Hz
Television system	System I
Colour system	PAL
Receiving channel	UHF :21~69
Aerial input impedance	75ohm
AV terminal	
21 Pin socket	CENELEC standard
Sound output	12 x 2 watts (MUSIC)
Picture tube	63cm diagonal, 110 degree
(Visible picture diagonal)	59cm
Dimensions (WxHxD)	680 x 543 x 447mm
Weight	26 Kg

ELECTRICAL PARTS LIST DIFFERENCES

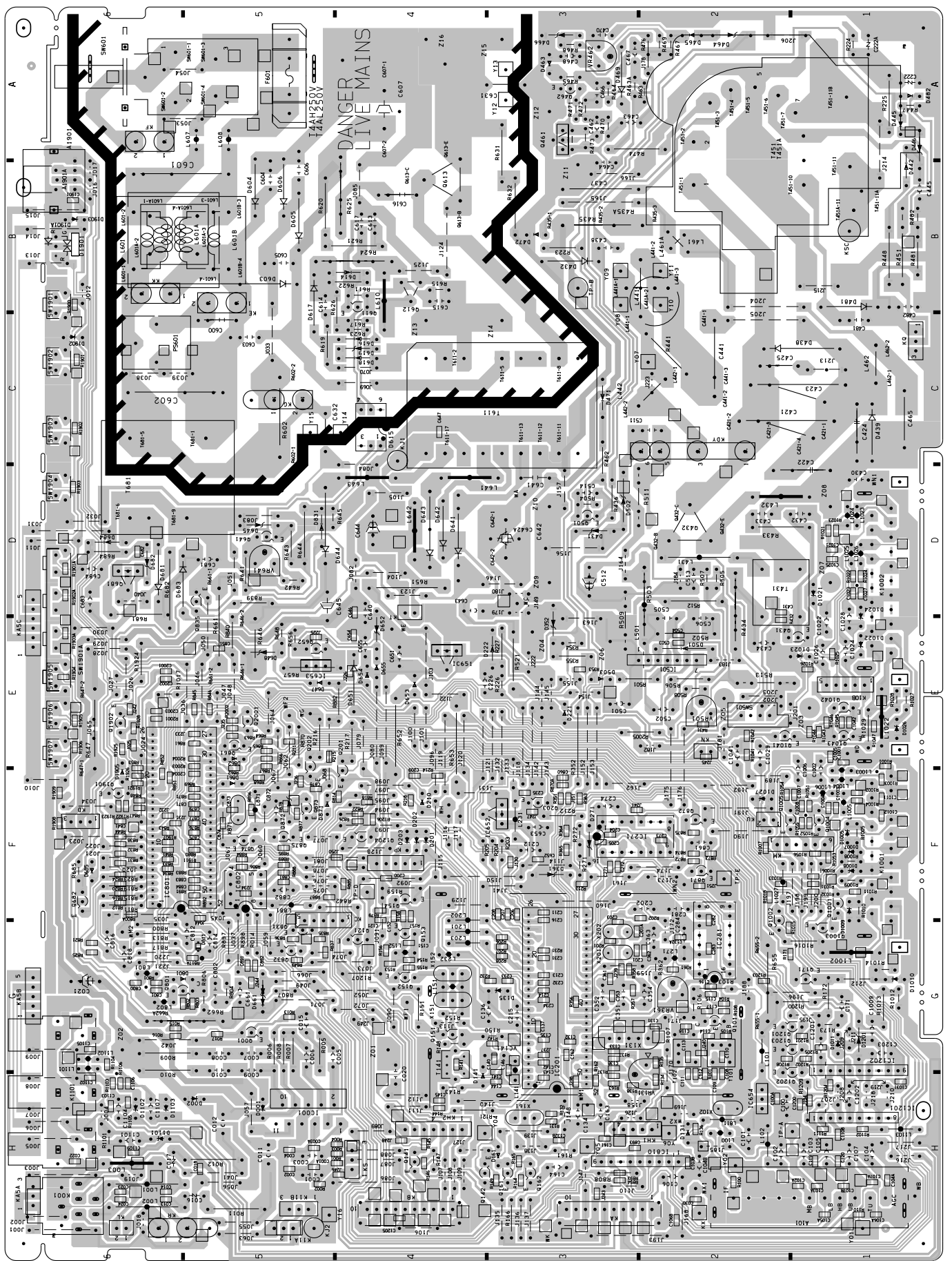
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Service Ref. No. CE25DN3-B-07			R725	401 009 6602	CARBON 3.3K JA 1/2W
Chassis construction			R727	401 020 0801	CARBON 470 JA 1/4W
ASSY, PWB, MAIN F3PMY 1AA0B10H019J0 (Differences)			R741	401 020 2003	CARBON 4.7K JA 1/4W
ASSY, PWB, SIF F3JM 1AA0B10E4120A (Page 13)			R742	401 018 3807	CARBON 3.3K JA 1/4W
ASSY, PWB, AUDIO F3JM 1AA0B10E4120B (Page 13)			R744	401 017 0807	CARBON 270 JA 1/4W
ASSY, PWB, CRT-MK2 F3SSY 1AA0B10H03500 (NEW)			R752	401 012 7009	CARBON 10K JA 1/4W
OUT OF CIRCUIT (Page 12)			R753	401 012 7009	CARBON 10K JA 1/4W
ASSY, PWB, MAIN F3SMY 1AA0B10H019J0 (SAME AS 1AA0B10E41100 EXCEPT THE FOLLOWING DIFFERENCES)			VARIABLE RESISTOR		
CAPACITOR			VR701	645 003 5722	"VR, SEMI, 4.7K N"
C020	403 069 0517	CERAMIC 1000P K 50V	VR702	645 003 5647	"VR, SEMI, 1K N"
C100	403 043 9106	ELECT 47U M 16V	VR711	645 003 5722	"VR, SEMI, 4.7K N"
C1102		NOT FITTED	VR712	645 003 5647	"VR, SEMI, 1K N"
C1105		NOT FITTED	VR721	645 003 5722	"VR, SEMI, 4.7K N"
C162	403 068 2512	CERAMIC 0.22U Z 25V	COIL		
INTEGRATED CIRCUIT			L701	645 007 9108	PEAKING COIL 330UH K
IC654	410 317 2909	IC BA178M09T	L711	645 007 9108	PEAKING COIL 330UH K
IC801	410 317 2909	IC SAA5296ZP/092	L721	645 007 9108	PEAKING COIL 330UH K
COIL			DIODE		
L881		CUTTING WIRE	D701	408 007 8607	DIODE 1N4148
L462	645 005 7014	INDUCTOR, 430UH	D711	408 007 8607	DIODE 1N4148
RESISTOR			D721	408 007 8607	DIODE 1N4148
R352		CUTTING WIRE	D751	408 007 8607	DIODE 1N4148
R817A	401 037 5014	MT-GLAZE 0.000 ZA 1/10W	MISCELLANEOUS		
R864	401 038 9011	MT-GLAZE 680 JA 1/10W	K7M	645 008 4058	"TERMINAL, PLUG"
TRANSISTOR			K7P	645 004 2911	"PLUG, 5P"
Q432	406 015 2501	ON5111 (BU2708DX) PH.	K7Q	645 004 2898	"PLUG, 3P"
MISCELLANEOUS			Δ K701	645 031 7699	CRT SOCKET
A101	645 023 4125	TUNER, U			
1AA0B10H03500 ASSY, PWB, CRT-MK2 F3SSY					
TRANSISTOR					
Q701	405 041 6507	TR 2SC2621-D-RA			
Q711	405 041 6507	TR 2SC2621-D-RA			
Q721	405 041 6507	TR 2SC2621-D-RA			
Q740	406 007 1901	TR JC556A			
Q751	406 007 1901	TR JC556A			
CAPACITOR					
C701	403 074 5702	CERAMIC 560P K 50V			
C711	403 074 5702	CERAMIC 560P K 50V			
C721	403 074 5702	CERAMIC 560P K 50V			
C731	403 077 2708	CERAMIC 1000P P 2K			
C735	403 055 8401	ELECT 22U M 250V			
C751	403 201 5001	ELECT 330U M 16V			
RESISTOR					
R701	401 018 2800	CARBON 330 JA 1/4W			
R702	401 019 1901	CARBON 3.9K JA 1/4W			
R703	401 012 5708	CARBON 1K JA 1/4W			
R704	401 065 4604	OXIDE-MT 12K JA 2W			
R705	401 009 6602	CARBON 3.3K JA 1/2W			
R711	401 018 2800	CARBON 330 JA 1/4W			
R712	401 019 1901	CARBON 3.9K JA 1/4W			
R713	401 016 3809	CARBON 2.2K JA 1/4W			
R714	401 065 4604	OXIDE-MT 12K JA 2W			
R715	401 009 6602	CARBON 3.3K JA 1/2W			
R721	401 018 2800	CARBON 330 JA 1/4W			
R722	401 019 1901	CARBON 3.9K JA 1/4W			
R723	401 015 2704	CARBON 1.8K JA 1/4W			
R724	401 065 4604	OXIDE-MT 12K JA 2W			



NEW CRT BOARD LAYOUT



DETAIL OF CIRCUIT OF NEW TUNER



NEW BOARD LAYOUT REQUIRED FOR NEW TUNER

TUNER CANNOT BE FITTED INTO OLD SERIES BOARD, OLD TUNER CANNOT BE FITTED INTO NEW SERIES BOARD.



Colour Television Service Manual

CE25DN3-B

Chassis:

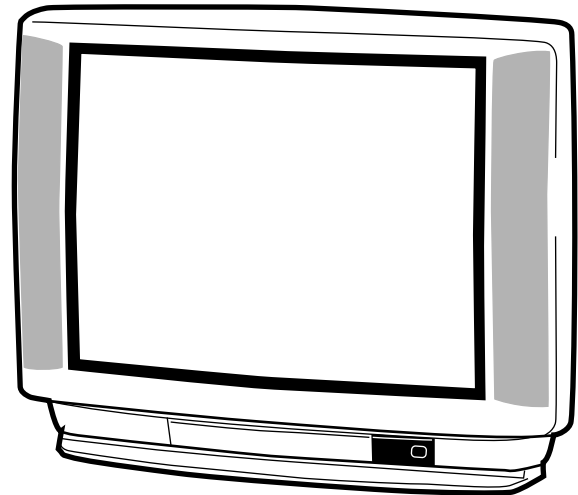
EB4-A(MKII)

Service Ref.No.:

CE25DN3-B-12

SERVICE MANUAL SUPPLEMENT

Chassis No. EB4-A25



SERVICE MANUAL SUPPLEMENT
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SERVICE MANUAL SUPPLEMENT
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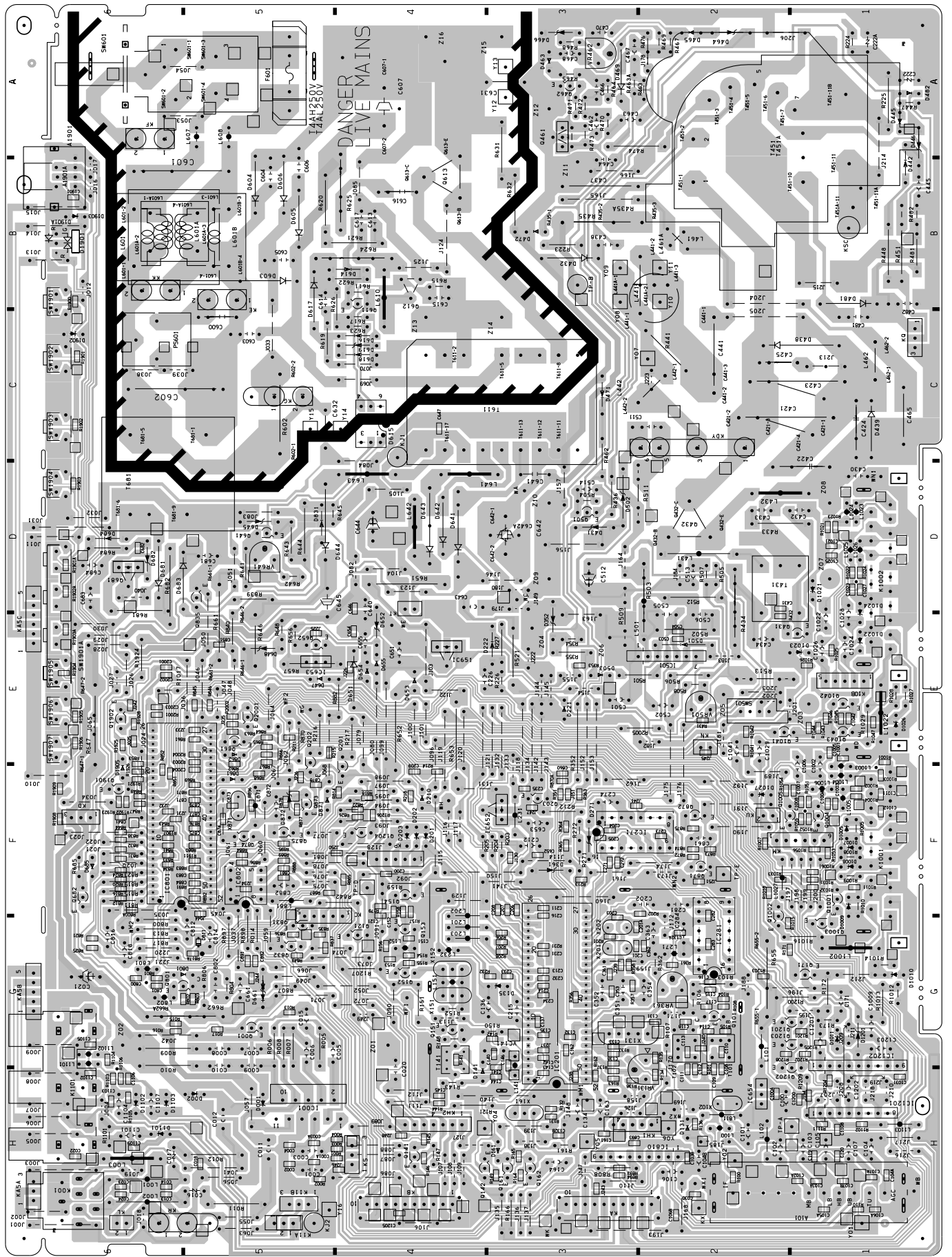
Note
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foreign countries where the television
transmission system and power source differ
from the design specifications. Refer to the
specifications for the design specifications.

Specifications

Power source	AC 220~240V 50Hz
Television system	System I
Colour system	PAL
Receiving channel	UHF :21~69
Aerial input impedance	75ohm
AV terminal	
21 Pin socket	CENELEC standard
Sound output	12 x 2 watts (MUSIC)
Picture tube	63cm diagonal, 110 degree
(Visible picture diagonal)	59cm
Dimensions (WxHxD)	680 x 543 x 447mm
Weight	26 Kg

ELECTRICAL PARTS LIST DIFFERENCES

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Service Ref. No. CE25DN3-B-12 Chassis construction ASSY, PWB, MAIN F3PMY 1AA0B10H019J0 (Differences) ASSY,PWB,SIF F3JM 1AA0B10H021DA (Differences) ASSY,PWB,AUDIO F3JM 1AA0B10H021DB (Differences) ASSY,PWB,CRT F2RC 1AA0B10E24500 (Page 13) OUT OF CIRCUIT (Page 12)			ASSY,PWB,SIF F3JM 1AA0B10H021DA (SAME AS 1AA0B10E4120A) ASSY,PWB,AUDIO F3JM 1AA0B10H021DB (SAME AS 1AA0B10E4120B EXCEPT THE FOLLOWING DIFFERENCES)		
ASSY, PWB, MAIN F3PMY 1AA0B10H019J0 (SAME AS 1AA0B10E41100 EXCEPT THE FOLLOWING DIFFERENCES)			CAPACITOR C3451 403 314 5915 SMD CAP GRM40X5R474K16 C3452 401 037 5014 MT-GLAZE 0.000 ZA 1/10W C3462 NOT FITTED C3463 NOT FITTED C3465 NOT FITTED C3466 NOT FITTED C3475 403 314 5915 SMD CAP GRM40X5R474K16 C3476 NOT FITTED C3478 NOT FITTED C3479 NOT FITTED		
CAPACITOR C020 403 069 0517 CERAMIC 1000P K 50V C100 403 043 9106 ELECT 47U M 16V C1102 NOT FITTED C1105 NOT FITTED C162 403 068 2512 CERAMIC 0.22U Z 25V			INTEGRATED CIRCUIT IC3451 QTDA9875A/V2N IC TDA9875A/V2		
INTEGRATED CIRCUIT IC654 410 317 2909 IC BA178M09T IC801 410 317 2909 IC SAA5296ZP/092			COIL L3451 NOT FITTED L3453 NOT FITTED L3455 NOT FITTED		
COIL L881 CUTTING WIRE L462 645 005 7014 INDUCTOR, 430UH			RESISTOR R3461 NOT FITTED R3462 401 037 5014 MT-GLAZE 0.000 ZA 1/10W R3463 NOT FITTED R3472 401 037 5014 MT-GLAZE 0.000 ZA 1/10W		
RESISTOR R352 CUTTING WIRE R817A 401 037 5014 MT-GLAZE 0.000 ZA 1/10W R864 401 038 9011 MT-GLAZE 680 JA 1/10W			DIODE D3451 NOT FITTED		
TRANSISTOR Q432 406 015 2501 ON5111 (BU2708DX) PH.					
MISCELLANEOUS A101 645 023 4125 TUNER, U					
DETAIL OF CIRCUIT OF NEW TUNER					



NEW BOARD LAYOUT REQUIRED FOR NEW TUNER

TUNER CANNOT BE FITTED INTO OLD SERIES BOARD, OLD TUNER CANNOT BE FITTED INTO NEW SERIES BOARD.

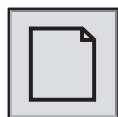
How to use this document



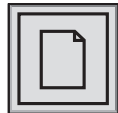
Display only the page



Display the page with bookmarks



View actual size



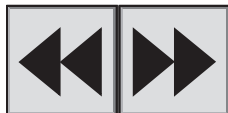
Fit the page to the window



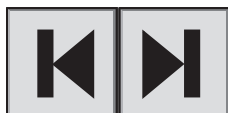
Fit the visible width to the window



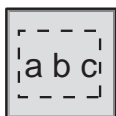
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Text selection tool



Zoom in marque



Search for text within the document



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