

General Information

1993

Covers Model:  
Toshiba 2500 TB5  
CRT: A59EAK71X01  
Remote Control:  
23120324 (CT-9689)  
Main Power Button:  
TBT - 23443476  
TBZ - 23443502

Matrix	
Item	See Model
Service Adjustments	Toshiba 2100 TBT
PIF & SIF Diagrams	Toshiba 2500 TBT 91/92 Book.
Text Diagram	Toshiba 1400 TBT

Specifications

Input Power Rating 105 W, AC240V, 50Hz  
Aerial Input Impedence 75 ohm unbalanced  
type for UHF

Receiving Channels  
PAL-I Standard UHF 21 - 68  
Intermediate Frequencies:  
Picture IF 39.5 MHz  
Sound IF 33.5 MHz  
Picture Tube 110 degree deflection (59cm)  
Sound Output 3.0W (at 10% harmonic  
distortion), Max 4.5W

Speakers 70mm x 60mm oval, 2 pcs  
Aux Terminals Headphone Jack, 21 pin socket,  
S-VIDEO/AUDIO socket,  
AV Input socket

Recommended Safety Parts		
Item	Part No.	Description
C440	24095888	PF, 0.01mF, ±3%, 1600V
C446	24829363	PF, 0.036mF, 400V
C463	24212222	CD, 2200pF, ±10%
F801	23144896	Fuse, 2.0A
F802	23144876	Fuse, 0.5A
L462		Deflection Yoke, No Supply
P801	23171814	Power Cord
Q404	23314376	Transistor, ON4408
R113	24383560	OMF, 56 ohm, 2W
R317	24383271	OMF, 270 ohm, 2W
R327	24556309	FR, 3.0 ohm, ±10%, 1/2W
R416	24007620	Cement, 4300 ohm, 5W
R446	24532151	FR, 150 ohm, 1W
R529	24007642	Cement, 5600 ohm, 5W
R591, R592,		
R593	24383153	OMF, 15k ohm, 2W
R802	24007932	Cement, 6.2 ohm, 10WR818
R818	24384203	OMF, 20k ohm, 3W
R821	24007778	Cement, 180 ohm, 7W
R825	24531620	FR, 62 ohm, 1/2W
R826	24007552	Cement, 8200 ohm, 5W
R832	24383331	OMF, 330 ohm, 2W
R837	24000900	FR, 0.47 ohm, ±10%, 1W

Service Adjustments

Safety Instructions

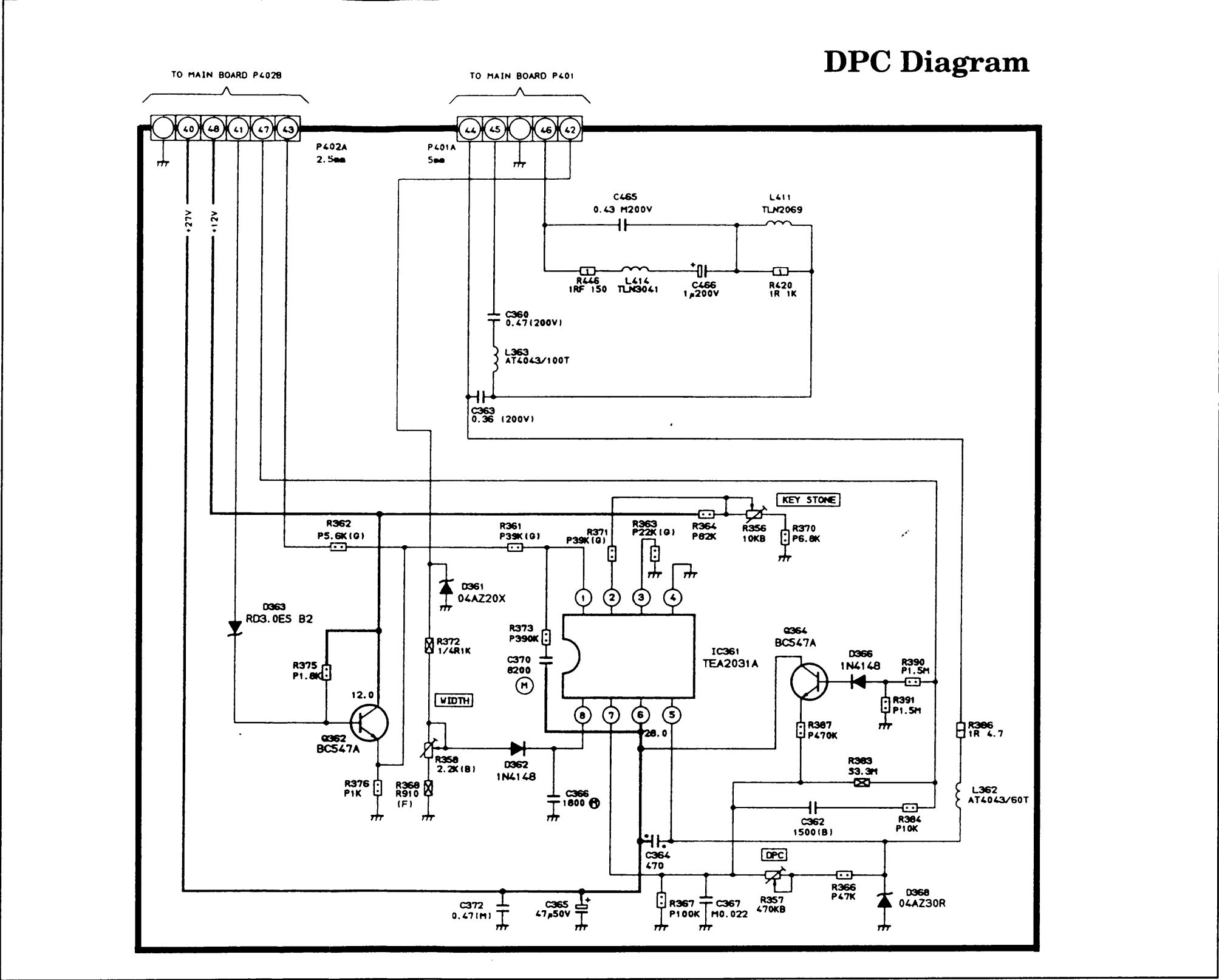
X-Ray Radiation Precaution

1: The E.H.T. must be checked every time the receiver is serviced to ensure that the C.R.T. does not emit X-ray radiation as a result of excessive E.H.T. voltage. The nominal E.H.T. for this receiver is 27.5kV at zero beam current (minimum brightness) operating at 240v a.c. The maximum E.H.T. voltage permissible in any operating circumstances must not exceed 29.0 kV. When checking the E.H.T. use the 'High Voltage Check' procedure in this manual using an accurate E.H.T. voltmeter.

2: The only source of X-Ray radiation in this receiver is the C.R.T. To prevent X-ray radiation, the replacement C.R.T. must be identical to the original fitted as specified in the Parts List.

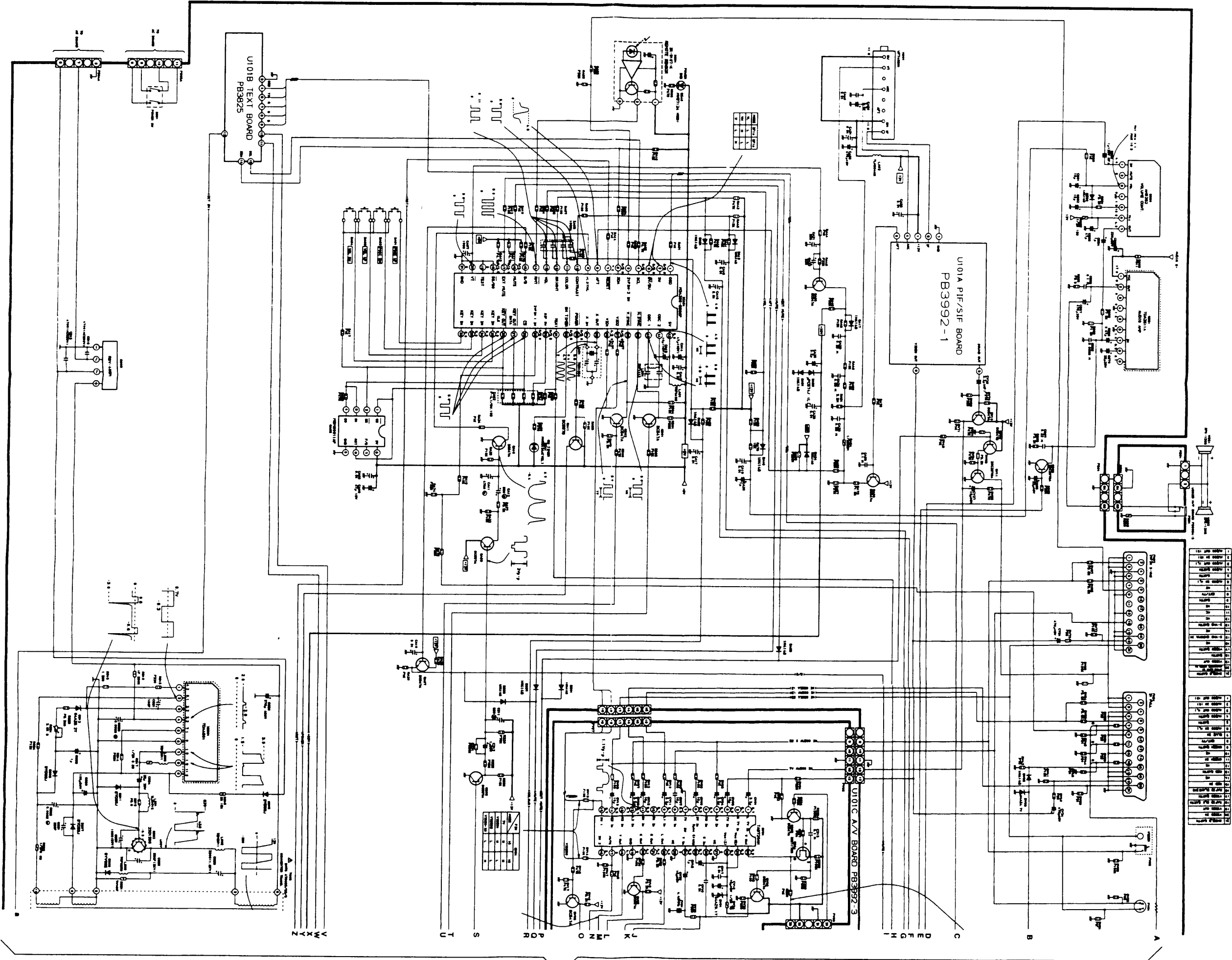
3: Some components used in this receiver have safety related characteristics preventing the C.R.T. from emitting X-ray radiation. For continued safety, replacement component should only be made after referring to the Product Safety Notice.

For other Service Adjustments see Toshiba ++-//=2100 TBT.55555555



Recommended Safety Parts Cont'd.		
Item	Part No.	Description
R890	24000630	PTC Thermistor, Dual
R920	24000880	FR, 5.1 ohm, 1W
RA97	24383183	OMF, 18k ohm, 2W
RF81	24383153	OMF, 15k, ohm, 2W
S801	23145434	Switch, Power, 2C2P
T401	23224997	Transformer, Horiz. Drive, TLN1027
T461	23236089	Transformer, Flyback, G4298
T803	23217074	Transformer, Converter, 47003593
V901	23112268	Picture Tube, A59EAK01X01
V901A	23902353	Socket, CRT, 10P

Main  
Diagram



### Main Diagram Cont'd.

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