

# TOSHIBA

FILE NO. 023-200122

## SERVICE MANUAL

# COLOR TELEVISION

N1PSP Chassis

# **50HX81**

(TAC0152)

## – SUMMARY –

50HX81 is the same as 50H81 except for the parts tabled on back of this sheet.  
Use this service manual together with the service manual of 50H81 (File No. 020-200109).

## REPLACEMENT PARTS LIST DIFFERENCES

Location No.	Part No.	Description
A001	23411548	Wood Cabinet
A102	23527179	Speaker Grille
A202	23450389	Control Panel
A268	23540681	Front Cover
A510	23030815	SCREW
A521	23030815	SCREW
A701	23064539	Carton
CD01	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD11	24539104	PF, 0.1 $\mu$ F
CD17	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD18	24794221	EL, 220 $\mu$ F, $\pm$ 20%, 16V
CD41	24503041	PF, 0.1 $\mu$ F, 63V
CD42	24590103	PF, 0.01 $\mu$ F
CD43	24503041	PF, 0.1 $\mu$ F, 63V
CD44	24503041	PF, 0.1 $\mu$ F, 63V
CD45	24539474	PF, 0.47 $\mu$ F
CD46	24539474	PF, 0.47 $\mu$ F
CD47	24539334	PF, 0.33 $\mu$ F
CD48	24539334	PF, 0.33 $\mu$ F
CD49	24797010	EL, 1 $\mu$ F, $\pm$ 20%, 50V
CD60	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD61	24567333	PF, 0.033 $\mu$ F
CD62	24590103	PF, 0.01 $\mu$ F
CD63	24539474	PF, 0.47 $\mu$ F
CD64	24539334	PF, 0.33 $\mu$ F
CD65	24436221	CD, 220pF
CD70	24794221	EL, 220 $\mu$ F, $\pm$ 20%, 16V
CD71	24232103	CD, 0.01 $\mu$ F, +80%, -20%
CD73	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD74	24794221	EL, 220 $\mu$ F, $\pm$ 20%, 16V
CD75	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD76	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD77	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD79	24797220	EL, 22 $\mu$ F, $\pm$ 20%, 50V
CD80	24797220	EL, 22 $\mu$ F, $\pm$ 20%, 50V
CD81	24503041	PF, 0.1 $\mu$ F, 63V
CD82	24503041	PF, 0.1 $\mu$ F, 63V
CD83	24503041	PF, 0.1 $\mu$ F, 63V
CD84	24503041	PF, 0.1 $\mu$ F, 63V
CD85	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD86	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD87	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD88	24797100	EL, 10 $\mu$ F, $\pm$ 20%, 50V
CD103	24797220	EL, 22 $\mu$ F, $\pm$ 20%, 50V
CD106	24539154	PF, 0.15 $\mu$ F
CD107	24539683	PF, 0.068 $\mu$ F
CD120	24794221	EL, 220 $\mu$ F, $\pm$ 20%, 16V
CD123	24797220	EL, 22 $\mu$ F, $\pm$ 20%, 50V
CD128	24797220	EL, 22 $\mu$ F, $\pm$ 20%, 50V
GJ07	24000445	Chip Jumper, 1680 Type
GJ14	24000445	Chip Jumper, 1680 Type
GJ15	24000445	Chip Jumper, 1680 Type
GJ20	24000445	Chip Jumper, 1680 Type
GJ21	24000445	Chip Jumper, 1680 Type
K501	23311890	Lenti Sheet, SCREEN50KLLH
K503	23311858	Screen Protec, SCR-PRO50WAL
K912	23306370	Remote Hand Unit, CT-90047
L462	23231326	Deflection Yoke, TDY707PD
L463	23231326	Deflection Yoke, TDY707PD
L464	23231326	Deflection Yoke, TDY707PD
QD41	23000725	IC, NJM2700L
QD42	23314085	Transistor, 2SK372 V

Location No.	Part No.	Description
QD44	23114460	Transistor, RN1204
QD103	23114460	Transistor, RN1204
R601	24011392	Chip, 3900 ohm, 1/20W
R602	24011392	Chip, 3900 ohm, 1/20W
R603	24011182	Chip, 1800 ohm, 1/20W
R604	24011182	Chip, 1800 ohm, 1/20W
R611	24011272	Chip, 2700 ohm, 1/20W
R612	24011272	Chip, 2700 ohm, 1/20W
R662	24011472	Chip, 4700 ohm, 1/20W
R663	24011102	Chip, 1k ohm, 1/20W
R672	24011472	Chip, 4700 ohm, 1/20W
R673	24011102	Chip, 1k ohm, 1/20W
R900	24000889	FR, 1.8 ohm, 1W
RD23	24366101	CF, 100 ohm
RD29	24366101	CF, 100 ohm
RD41	24366123	CF, 12k ohm
RD42	24366333	CF, 33k ohm
RD43	24366272	CF, 2700 ohm
RD44	24366123	CF, 12k ohm
RD45	24366333	CF, 33k ohm
RD46	24366272	CF, 2700 ohm
RD47	24366104	CF, 100k ohm
RD48	24366103	CF, 10k ohm
RD49	24366562	CF, 5600 ohm
RD60	24366682	CF, 6800 ohm
RD61	24366682	CF, 6800 ohm
RD62	24366109	CF, 1 ohm
RD72	24366103	CF, 10k ohm
RD73	24366101	CF, 100 ohm
RD74	24366101	CF, 100 ohm
RD75	24366473	CF, 47k ohm
RD76	24366122	CF, 1200 ohm
RD77	24366473	CF, 47k ohm
RD78	24366122	CF, 1200 ohm
RD101	24366393	CF, 39k ohm
RD102	24366393	CF, 39k ohm
RD104	24366101	CF, 100 ohm
RD107	24366101	CF, 100 ohm
RD109	24366223	CF, 22k ohm
RD110	24366473	CF, 47k ohm
RD117	24366472	CF, 4700 ohm
RD118	24366822	CF, 8200 ohm
RD119	24366822	CF, 8200 ohm
RD120	24366472	CF, 4700 ohm
RS124	24011102	Chip, 1k ohm, 1/20W
RS125	24011332	Chip, 3300 ohm, 1/20W
T461B	23963204	AD KE40RTV W
* E031Z	23786480	CRT-D/R Board, PD0080B1
* E032Z	23786481	CRT-D/G Board, PD0080B2
* E033Z	23786482	CRT-D/B Board, PD0080B3
* E034Z	23786483	SVM/R Board, PD0080B4
* E035Z	23786484	SVM/G Board, PD0080B5
* E036Z	23786485	SVM/B Board, PD0080B6
* E041Z	23786486	FRONT-CON Board, PD0221-1
* E042Z	23786487	FRONT-IN Board, PD0221-2
* E043Z	23786488	REM Board, PD0221-3
* E044Z	23786489	FRONT-SEN Board, PD0221-4
* U801	23786478	DEF/POWER Board, PD0074B
* U901	23786477	SIGNAL CONV Board, PD0073B
* UA01	23708425	CRT Drive/SVM Board, PD0080B
* UA02	23708426	Front Board, PD0221
* UD01	23786476	SRS-3D Board, PD0220A

Location No.	Part No.	Description
△V901R	23008513	Protector Coupling R
△V902G	23008514	Protector Coupling G
△V903B	23008515	Protector Coupling B
W663	23351172	Speaker, SPK-1417AM
W664	23351172	Speaker, SPK-1417AM
Y101	23565298	Owner's Manual, English, 50HX81
Y101F	23565299	Owner's Manual, French, 50HX81
Z410	23110846	Focus Pack, TPA6031BY

Location No.	Part No.	Description
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# **TOSHIBA CORPORATION**

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