

TOSHIBA

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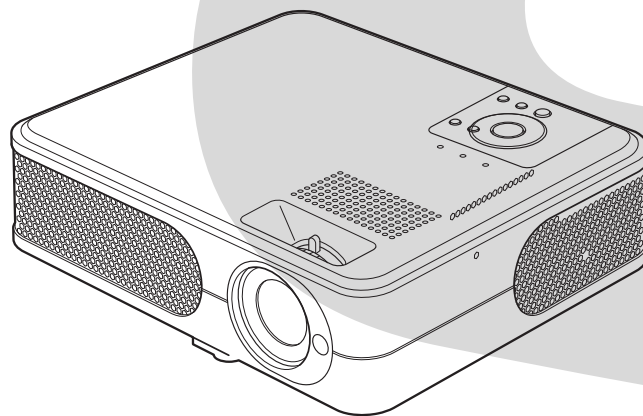
SUPPLEMENT

Rev.00

SERVICE MANUAL

3LCD DATA PROJECTOR

TLP-X3000AE, TLP-X3000AB
TLP-X3000AU, TLP-X3000AK
TLP-X3000AC



Use this service manual together with the original service manual 330-200711.

The above models are classified as green product (s) (*1), as indicated by the underlined serial number (s). This Service Manual describes replacement parts for green product (s). When repairing any green product (s), use the parts described in this manual and lead-free solder (*2). For (*1) and (*2), see the next page.

(*1)

GREEN PRODUCT PROCUREMENT

The EC is actively promoting the WEEE & RoHS Directives that define standards for recycling and reuse of Waste Electrical and Electronic Equipment and for the Restriction of the use of certain Hazardous Substances. From July 1, 2006, the RoHS Directive will prohibit any marketing of new products containing the restricted substances.

Increasing attention is given to issues related to the global environmental. Toshiba Corporation recognizes environmental protection as a key management tasks, and is doing its utmost to enhance and improve the quality and scope of its environmental activities. In line with this, Toshiba proactively promotes Green Procurement, and seeks to purchase and use products, parts and materials that have low environmental impacts.

Green procurement of parts is not only confined to manufacture. The same green parts used in manufacture must also be used as replacement parts.

(*2)

LEAD-FREE SOLDER

This product is manufactured using lead-free solder as a part of a movement within the consumer products industry at large to be environmentally responsible. Lead-free solder must be used in the servicing and repair of this product.

WARNING

This product is manufactured using lead free solder.

DO NOT USE LEAD BASED SOLDER TO REPAIR THIS PRODUCT !

The melting temperature of lead-free solder is higher than that of leaded solder by 86°F to 104°F (30°C to 40°C). Use of a soldering iron designed for lead-based solders to repair product made with lead-free solder may result in damage to the component and or PCB being soldered. Great care should be made to ensure high-quality soldering when servicing this product — especially when soldering large components, through-hole pins, and on PCBs — as the level of heat required to melt lead-free solder is high.

Spare parts list (TLP-X3000A)

GREEN

No	Loc.	Description	Part No				
			E	B	U	K	C
1	A100	COVER ASSY, TOP	75004216				
2	A101	SCREW, 2.0 X 4.0 MM	70391261				
3	A102A	SCREW	-----	-----	-----	-----	23738144
4	A110	CASE ASSY, CONTROL UP	75004217				
5	A110A	SCREW, 2.0 X 4.0 MM	70391261				
6	A111	CASE, CONTROL LOW VMDN ASSY	75008045				
7	A111A	SCREW, 2.0 X 4.0 MM	70391261				
8	A210	COVER, LAMP	75006396				
9	A220	CAP, LENS	75004222				
10	A230	COVER, FILTER	75006397				
11	A301	LABEL, RATING X3000AUF	75008811	75008811	75008811	-----	-----
12	A301	LABEL, RATING, X3000AKF	-----	-----	-----	75008829	-----
13	A310	LABEL, CASE LOWER	-----	-----	-----	-----	75005546
14	A401	CARTON BOX, X2000	75007405	75007405	75007405	75007405	-----
15	A401	CARTON BOX, X2000T	-----	-----	-----	-----	75007418
16	A405	SOFT CASE, X2000	75004233				
17	B001	LCD PANEL, L3P06X-85G10B	75008802				
18	B002	LCD PANEL, L3P06X-86G10B	75008805				
19	B100	COVER ASSY, BOTTOM	75004219				
20	B110	PANEL, REAR VMDN	75007403				
21	B111	PANEL, FRONT, VMDN	75006391				
22	B112	PANEL, SIDE VMDN	75006392				
23	B113	PANEL ASSY, LENS VMDN	75007404				
24	B120	PLATE ASSY, DUCT ACIN	75004230				
25	B131	COVER, LAMP	75004220				
26	B141	DUCT, POWER FAN VMDN	75005930				
27	B170	PLATE ASSY, DUCT AIR BEND	75004228				
28	CN105	CONNECTOR, 1.25MM PITCH W TO B	75002110				
29	CN108	CONNECTOR, 1.25MM PITCH W TO B	75002110				
30	CN503	CONNECTOR, D-SUB, DZ11A92-ND201-7F	75004141				
31	E100	OPTICAL BLOCK, CJ604TA	75008806				
32	E200	OPTICAL BLOCK, 604SUB	75008807				
33	E201B	POLARIZER, 591IN-B	75004210				
34	E201G	OPTICAL FILTER, 591TB-IN-G	75008194				
35	E201R	POLARIZER, 591IN-R	75004208				
36	E202B	OPTICAL FILTER, 604OUT-B	75008810				
37	E202G	OPTICAL FILTER, 591TB-OUT-G	75008195				
38	E202R	POLARIZER, 591OUT-R	75004211				
39	E203	LENS, 591PBS	75004214				
40	E205	LENS, 591LENS	75004206				
41	E206	OPTICAL FILTER, 604WV-L	75008808				
42	E207	OPTICAL FILTER, 604WV-R	75008809				
43	E255	LENS, ANLC03T	75004215				
44	E270	HOLDER ASSY, LAMP	75004231				
45	G001	LCD PANEL, L3P06X-86G10G	75008804				
46	G002	LCD PANEL, L3P06X-85G10G	75008801				
47	IC100	IC, PW190-10L, IMAGE PROCESSOR	75004414				
48	IC101	IC, BD87A29FVM-TR, VOLTAGE DETECTOR	75004425				

No	Loc.	Description	Part No				
			E	B	U	K	C
49	IC104	IC, PQ1MX55M2SPQ, LOW VOLTAGE REGULATOR			75004417		
50	IC105	IC, TK11150CSCL-G, POSITIVE LDO REGULATOR			75004418		
51	IC107	IC, ES29LV160ET-70TGI, 16M(1MX16)BIT FLASH MEMORY			75008176		
52	IC1100	IC, PNA4612M01TH, PD WITH REMOTE CONT			75001241		
53	IC111	IC, TC7SH08FU(TE85L,F)			75001245		
54	IC112	IC, L3232ECV-16Z-T			75004413		
55	IC119	IC, LTC3701EGN#TRPBF, DC/DC CONTROLLER			75004148		
56	IC1200	IC, G751-2RDF, TEMPERATURE SENSOR AND THERMAL WATCHDOG			75004147		
57	IC122	IC, TC7SH08FU(TE85L,F)			75001245		
58	IC123	IC, TC7SH08FU(TE85L,F)			75001245		
59	IC124	IC, SN74AHCT1G08DCKR, 2 INPUT AND GATE			75004410		
60	IC125	IC, SN74AHCT1G08DCKR, 2 INPUT AND GATE			75004410		
61	IC126	IC, BD4843G-TR, VOLTAGE DETECTOR			75004150		
62	IC127	IC, TC7SH08FU(TE85L,F)			75001245		
63	IC129	IC, TC7SH08FU(TE85L,F)			75001245		
64	IC1300	IC, G751-2RDF, TEMPERATURE SENSOR			75004147		
65	IC350	IC, TC7WBD126AFK(T5L,F, DUAL BUS SWITCH			75001220		
66	IC351	IC, G768BF, TEMPERATURE SENSOR AND FAN CONTROLLER			75004146		
67	IC352	IC, G794D5U, TEMPERATURE SENSOR AND 4FAN CONTROLLER			75004421		
68	IC353	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
69	IC354	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
70	IC355	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
71	IC356	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
72	IC357	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
73	IC358	IC, M62334FP DF5J, D/A CONVERTER			75001226		
74	IC359	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
75	IC501	IC, XC95144XL-10TQG100C-X2000			75004143		
76	IC502	IC, MXD2020EL-T/R, ACCELEROMETER			75004419		
77	IC503	IC, MAX4885ETJ+TG40, ANALOG SWITCH			75004151		
78	IC504	IC, EL4340IUZ-T7, MULTIPLEXING AMPLIFIER			75004429		
79	IC505	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER BUFFER			75004411		
80	IC506	IC, EL4332CSZ-T7, VIDEO MULTIPLEXING			75001323		

No	Loc.	Description	Part No				
			E	B	U	K	C
81	IC507	IC, EL5106IWZ-T7, GAIN AMPLIFIER			75004430		
82	IC508	IC, EL5106IWZ-T7, GAIN AMPLIFIER			75004430		
77	IC509	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER BUFFER			75004411		
78	IC510	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER BUFFER			75004411		
79	IC513	IC, BU9882FV-WE2, 2KBIT EEPROM			75004415		
80	IC514	IC, MM1565AFBE, VOLTAGE REGULATOR			75004420		
81	IC515	IC, LM2660MM, SWITCHED CAPACITOR VOLTAGE CON			75001237		
82	IC6001	IC, NJM2370U1-09-TE1, VOLTAGE REGULATOR			75001239		
83	IC6002	IC, NJM2370U1-09-TE1, VOLTAGE REGULATOR			75001239		
84	IC6003	IC, NJM2886DL3-05(TE1), LOW DROPOUT			75004427		
85	IC6004	IC, TPA2005D1DGNRG4, AUDIO POWER AMPLIFIER			75004428		
86	IC6005	IC, NJW1142AV(TE1), AUDIO PROCESSOR			75004426		
87	IC6010	IC, EL1883ISZ-T7, SYNC SEPARATOR			75004423		
88	IC6011	IC, EL1883ISZ-T7, SYNC SEPARATOR			75004423		
89	IC6012	IC, TC7SH08FU(TE85L,F)			75001245		
90	IC6021	IC, TC7SH08FU(TE85L,F)			75001245		
91	IC701	IC, PQ20VZ1UJ00H, LOW VOLTAGE REGULATOR			75004416		
92	IC702	IC, R1172H121D-T1-F, VOLTAGE REGULATOR			75004762		
93	IC703	IC, TC7SH08FU(TE85L,F)			75001245		
94	IC704	IC, L3E07110K0A, TIMING PULSE GENERATOR			75004760		
95	IC801	IC, L3E06150S2A, TFT-LCD CONTROLLER			75004761		
96	IC802	IC, L3E01060P0B, LEVEL SHIFT			75008175		
97	IC831	IC, L3E06150S2A, TFT-LCD CONTROLLER			75004761		
98	IC832	IC, L3E01060P0B, LEVEL SHIFT			75008175		
99	IC861	IC, L3E06150S2A, TFT-LCD CONTROLLER			75004761		
100	IC862	IC, L3E01060P0B, LEVEL SHIFT			75008175		
101	J6001	JACK, 3PIN + 1 Y/C, LAP5300-0110F			75004140		
102	MJ02	SWITCH, THERMAL SWITCH WITH WIRE HARNESS			75005121		
103	P800	PC BOARD ASSY, LINE-FILTER, APS-T602			23122519		
104	P801	PC BOARD ASSY, MAIN POWER, PS-T603			23122520		
105	P850	PC BOARD ASSY, LAMP POWER, PS-240A-MS-120-22H			75004203		
106	Q101	TRANSISTOR, UM6K1NTN, N-CH MOS FET MODULE			75004142		
107	R001	LCD PANEL, L3P06X-85G10R			75008800		

No	Loc.	Description	Part No				
			E	B	U	K	C
108	R002	LCD PANEL, L3P06X-86G10R			75008803		
109	S1605	SWITCH, TACT, TSW-6A-1-16-T50			75004139		
110	S501	SWITCH, SLIDE, SLD-12-500			75004138		
111	SP200	SPEAKER, RFF-0401C-02			23351359		
112	U001	PC BOARD ASSY, MAIN, FX5MA2			75008794		
113	U002	PC BOARD ASSY, REMOCON, FX5RE2			75008795		
114	U003	PC BOARD ASSY, EXHAUST, FX5EX2			75008796		
115	U004	PC BOARD ASSY, SENSOR, FX5SE2			75008797		
116	U005	PC BOARD ASSY, DOOR, FX5DR2			75008798		
117	U006	PC BOARD ASSY, KEY, FX5KY2			75008799		
118	U007	PC BOARD ASSY, RELAY, FX2RL2			75004131		
119	Y100	CABLE, TA-3-L-012			75007680		
120	Y200	OWNERS MANUAL, X2500A EGFSKJ	75008178	75008178	75008178	75008178	-----
121	Y202	OWNERS MANUAL, X2500A CH	-----	-----	-----	-----	75008423
122	Y260	POWER CORD, CEE 250V 6A, 3M	23372167	-----	-----	-----	-----
123	Y260	POWER CORD, UL 125V 10A, 3M	-----	-----	23372148	-----	-----
124	Y260	POWER CORD, CEE 250V 6A, 3M	-----	-----	-----	23372167	-----
125	Y260	POWER CORD, GB250V10A	-----	-----	-----	-----	23372155
126	Y261	POWER CORD, UK250V6A MP5004 GR	-----	23372337	-----	-----	-----
127	Y700	REMOCON HAND UNIT, CT-90266			75004774		
128	Y702	REMOCON RECEIVER, IR, MOUS, CR-916			23306621		
129	Z100	FAN, TYF450FJ06			75004190		
130	Z101	FAN, TYF400FJ10			75004160		
131	Z102	FAN, D05F-12BS2 02A			23125960		
132	Z103	FAN, TYF310FJ11			75004159		
133	Z104	FAN, D05F-12PS7 01A(EX)			75004191		
134	Z105	FAN, D07R-12TH 03A(EX)			75004192		

TOSHIBA CORPORATION

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