

Toshiba Tecra 700 Series

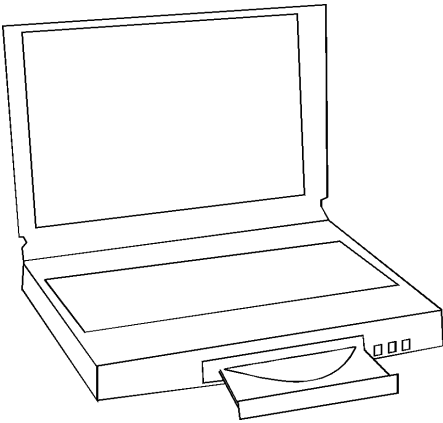


Figure 1. Toshiba Tecra 700 Series

Specifications

Processor

- 700CS, 700CT: Intel Pentium 120MHz.
- 710CDT, 720CDT: Intel Pentium 133MHz.

Memory

- 700CS: 8MB standard expands to 40MB.
- 700CT: 16MB standard expands to 48MB.
- 710CDT, 720CDT: 16MB standard expands to 144MB.

I/O Expansion Slots

- 700CS, 700CT: One stacked PC card & memory slot
- 710CDT, 720CDT: Two stacked PC card & memory slot

Diskette Drive

- One 3.5", 1.44MB modular diskette drive.

Integrated Features

- 700CS: Dual Scan color passive matrix display.
- 710CDT, 720CDT, 700CT: TFT active color matrix
- BitBLT graphics accelerator.
- 710CDT, 720CDT: Internal 28.8 modem.
- Keyboard.
- Integrated AccuPoint pointing device.
- One 9-pin serial and One 25-pin parallel (ECP) port.
- One 15-pin RGB (SVGA video port).
- One 101 key keyboard and One PS/2 mouse port.
- One external floppy drive port.
- Microphone
- Serial infrared port.
- 16-bit stereo.
- Desk Station V port.

Internal Expansion Bays

- Two internal drive bays total, FDD and HDD.

I/O Architecture (Bus s supported)

- PCI Bus System Architecture.

Power Supply

- 40 Watt.

Diagnostics

- Run TDIAGS.exe from the Toshiba Companion Diskette using the Toshiba Companion Utility from A: drive.
- The Toshiba Companion Utility loads the diagnostic test and displays the main menu.
- Troubleshoot according to errors found during test.

CMOS Access

- QAPlus/FE

Tools and Software Requirements

- One M2 Phillips head and Jeweler's screwdriver.
- Diags and formatted blank diskette.
- PCMCIA wraparound connector for testing PCMCIA card
- Anti-static wrist strap.

Removal Procedures

Before beginning removal complete the following steps:

- Turn off the computer and any peripheral devices.
- Disconnect AC power cord from outlet and system.
- Disconnect all peripheral devices from the computer.

System Cover

Always start by removing the battery pack, then follow the chart below to determine which FRU's must be removed in order to repair the computer.

Models 700CS and 700CT

- Battery Pack
- Optional Memory Module
- PCMCIA Card ⇒ Display Mask⇒
 - FL Inverter Board
 - LCD Module
 - DSTN Fluorescent Lamp(FL)
 - TFT Fluorescent Lamp (FL) Unit
 - Microphone
- FDD
- Optional CD-ROM Drive
- Hard Disk Drive
- Upper Cover and Keyboard
- Kybd. Base & Display Assy. ⇒ Display Mask ⇒
 - FL Inverter & Display cables
- Infrared Board
- Sound Board
- IPS Board
- Power supply Board
- Flexible Board
- Lower Cover
- System Board
- Fan

Models 710CDT and 720CDT

- Battery pack
- Optional memory module
- Optional PC card
- Floppy disk drive
- CD-ROM drive
- Hard disk drive
- Upper cover and keyboard
- DAA module
- Display assy, jack & mdm. bds⇒ Display mask⇒
 - FL inverter bd.
 - LCD module
 - TFT fluorescent lamp (FLUnit)
 - Microphone
- IPS board, RTC battery, backup battery
- Power supply board
- System board
- Fan

Special Note

- The following parts are for non-warranty calls only. When requesting part numbers for warranty calls add a "T" after the OEM part number.

Field Replaceable Units -Non Warranty

Memory	OEM Part	IBM Part
8MB memory module ²	NW2035U	06J5844
16MB memory module ²	NW2036U	06J5845
32MB memory module ²	NW2037U	06J5846
8MB EDO mem. mod. ³	NW2031U	61H9079
16MB EDO mem. mod. ³	NW2032U	61H9080
32MB EDO mem. mod. ³	NW2034U	61H9081
64MB EDO mem. mod. ³	NW2045U	06J5847
128MB EDO mem. mod. ³	NW2046U	06J5848

² 700CS/700CT only, ³ 710CDT/720CDT only

Internal Hard Drive	OEM Part	IBM Part
1.2GB hard drive ¹	P000209330	70H5950
1.2GB hard drive ³	P000209320	06J3901

System Boards	OEM Part	IBM Part
700CT System board	P000210810	70H6048
700CT System board	P000214580	86H6587
700CT System board	P000215490	87H1809
700CS System board	P000208390	70H5941
700CS System board	P000214690	06J4054
700CS System board	P000215460	06J5849
System board ³	P000215450	74H5810
System board ³	P000217380	74H6619

¹ All models, ² 700CS/700CT only, ³ 710CDT/720CDT only

IPS Boards	OEM Part	IBM Part
700CT IPS board	P000210820	06J4187
700CT IPS board	P000214610	74H4249
700CT IPS board	P000215500	06J1800
700CS IPS board	P000208420	70H5942
700CS IPS board	P000214710	06J5850
700CS IPS board	P000215480	06J5851
IPS board ³	P000215840	06J2054
IPS board ³	P000217390	06J2096

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Diskette Drives	OEM Part	IBM Part
3.5" floppy disk drive ²	P000205840	70H5995
3.5" floppy disk drive ³	P000211870	70H6041

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CD-ROM Drives	OEM Part	IBM Part
CD-ROM drive ²	P000205850	70H6001
CD ROM drive ³	P000217140	87H2950

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Cables	OEM Part	IBM Part
System IPS PCB flex ²	P000209280	70H5946
System board flex cbl. ³	P000205800	70H6000
CD-ROM flex cable ¹	P000216280	06J4500
700CT TFT display flex	P000209990	70H6050
700CS STN display flex	P000209300	70H5947
HDD flex cable ³	P000199150	70H5994
FDD flex cable ¹	P000205750	70H5998
FDD cable ¹	P000206170	70H6002
Drive connector flex cbl. ³	P000215880	06J5852

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Miscellaneous	OEM Part	IBM Part
Sound bd. & kybd. / mouse connector ²	P000209260	70H5944
Infrared board ²	P000209270	70H5945
Membrane switch AccuPoint mouse ¹	P000209420	70H5949
700CT LCD color mod.	P000210000	70H6019
700CS LCD color mod.	P000209340	70H5951
710CDT LCD color mod.	P000216160	06J3799
720CDT LCD color mod.	P000216810	74H5787
700CS FL tube	P000209350	70H5952
Keyboard unit ¹	P000203100	37H1556
FL inverter ²	P000201740	37H1560
710CDT FL inverter	P000216170	06J5853
720CDT FL inverter	P000216200	74H5999
Lithium ION battery ¹	PA2485UR	70H5954
Ni-MH backup battery ¹	P000209360	70H5955
RTC battery ¹	P000209370	70H5956
Microphone ²	P000209380	70H5957
Microphone ³	P000216130	87H2940
Speaker ²	P000209390	70H5958
Speaker ³	P000216140	87H2941
25-10 DC fan ¹	P000205930	61H9121
Memory card cover ²	P000209670	70H5970
Memory cover ³	P000216560	87H2943
Battery cover ²	P000209680	70H5971
PCMCIA cover ²	P000209700	70H5974
PCMCIA cover ³	P000216590	87H2945
700CS STN contrast control board	P000209310	70H5948
AC adapter ¹	PA2484U	70H6009
710CDT power supply	P000217390	74H6180
720CDT power supply	P000215850	74H5942
Pwr. supply board ²	P000209250	70H5943
Modem interface board ³	P000215890	74H6344
Jack board ³	P000215900	74H5839
DAA module ³	P000215910	74H7159

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