



GETTING STARTED GUIDE

Toshiba Cash Drawers – (2019 Restructuring)

For the Toshiba Point of Sale Platforms:

- TCx™ 300
- TCx™ 700
- TCx™ 800
- TCxWave™
- TCx™ Printers
- SureMark Printers

Updates in this version:

Initial Release



Version 1.0

Last update: **August 6, 2019**

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Welcome to the Toshiba Cash Drawer Getting Started Guide, the FIRST place to look for getting your new Toshiba cash drawer up and running! This guide is designed to assist Toshiba customers and business partners with understanding and using the newest systems. It will:

- Provide an overview of the new structure and offering.
- Identify valuable links to obtain additional information.
- Assist with resolving hardware and software challenges.



Black Cash Drawers

Iron Gray Cash Drawers

The content in this document may be updated during the lifecycle of the product. Please check online for the latest tips based on feedback from other users. Please [submit](#) any updates, suggestions or corrections to us via TechLine. Please note that not all hyperlinks will resolve successfully at product preview announce. Content will be added periodically as it becomes available.

Overview

Toshiba Global Commerce Solutions has restructured the Toshiba TCx family of products by announcing new Cash Drawer features. The Wide Cash Drawer now comes with a till: Fixed or Adjustable till options to make ordering simplified. In addition to the new Wide Cash Drawers, Toshiba is announcing two new Black Compact Cash Drawers to complement new black products across our portfolio.

The TCx-styling of cash drawers has been in the marketplace in limited quantities since the TCx700 and TCx 800 releases in 2017-2018. This year's update standardizes on two colors (Iron Gray and Black), and has the TCx Styling of the curved bezel underneath the lock cylinder of the Wide drawers. The curve in the wide bezels provides an ergonomic access to the keylock as well as enabling a visual determination of the lock position when the drawer is mounted below the counter.

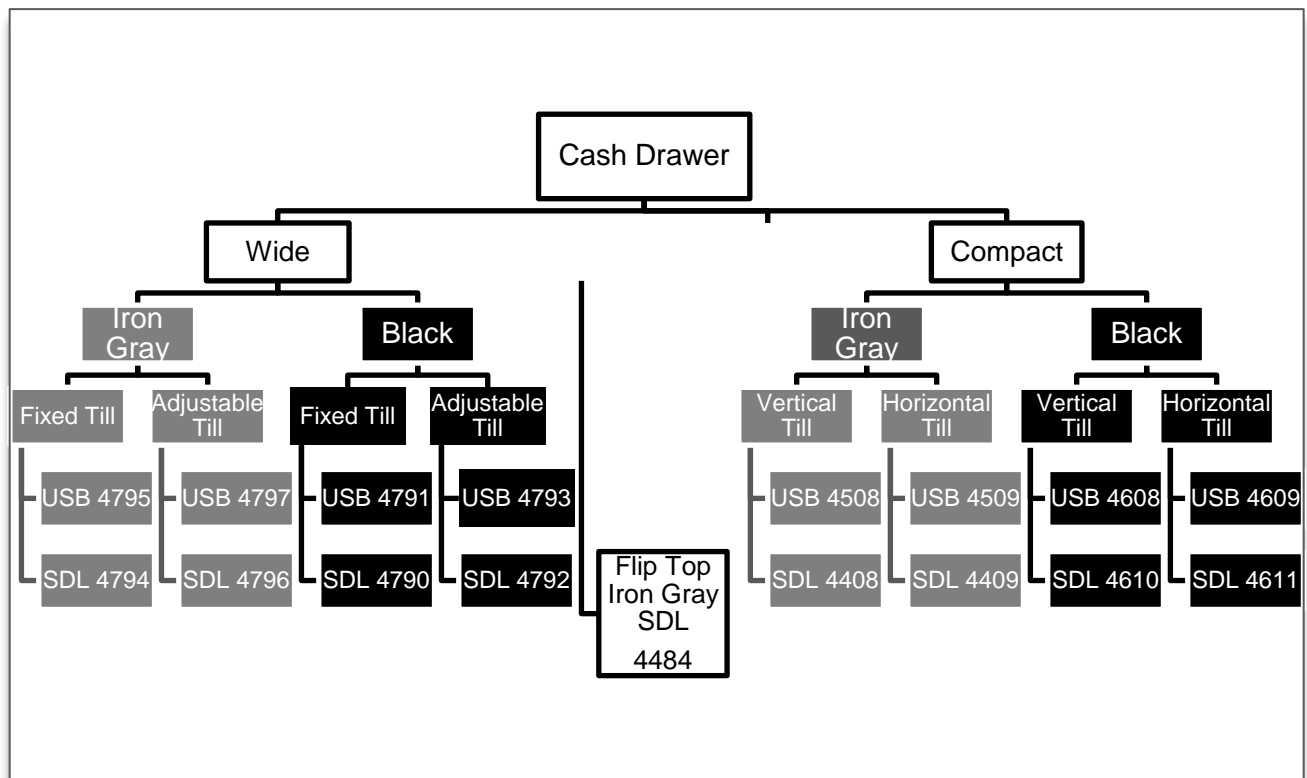
NEW: All cash drawers are now shipped with one till insert installed. The feature designations will differentiate the color, Interface, and Insert type.

REMOVED: Storm Gray and Litho Gray colors are no longer offered.

This update will also consolidate the cable options, standardizing on the black cable jackets that match the current terminal palette.

The essential dimensions are the same as the legacy cash drawers. The wide drawer has a specified width that is 5mm less than the predecessor, however, this is due to removing the draft angle on the sides of the drawer.

At a Glance - New Model Structure:



Feature Codes for Cables

LENGTH	SDL	Printer/SDL	USB STANDARD	USB POWERED	Adapters
150mm					4523
0.5m	4521	4524			
1.1m	4520				
3.8m	4522	4525	4526	4527	

Weights and Dimensions

	Description	Approximate Weight Pounds / Newtons*	Dimensions W x D x H
Compact Cash Drawer with Till insert	Compact Cash Drawer w/Till insert	20.5 / 91.2 with FC 4775 till	12.9 x 18.7 x 5.2 in 328 x 475 x 131 mm
FC 4775 (Vertical) FC 4770 (Horizontal)	Compact Till Insert Only	1.8 / 7.7	12.2 x 12.4 x 2.1 in 311 x 314 x 55 mm
Wide Cash Drawer with Till insert	Wide Cash Drawer with till insert	21.9 / 97.3	17.4 x 18.7 x 4.8 in 442 x 475 x 122 mm
FC 4865 (Horizontal) FC 4866 (European) FC 4870 (Adjustable)	Full Size Till Insert only	2.1 / 9.0	12.2 x 15.5 x 2.1 in 393 x 314 x 55 mm
<ul style="list-style-type: none"> A Newton is the metric measurement for force (weight). On the earth's surface, mass (kg) times the gravitational acceleration (9.8m/s²) gives you the value of Newtons. 			



Wide Iron Gray (top), Wide Black with fixed till insert (bottom)

Detailed Specifications for the Toshiba Cash Drawers

Attribute	Description
Drawer Stability (COMPACT)	Roller guides replace horizontally mounted slide. Steel frame with molded drawer. Molded color/texture. UV stable PC/ABS housing
Drawer Stability (WIDE)	Slide/Bracket assembly supported on both left and right side of molded drawer. Molded color/texture. UV stable PC/ABS housing
Dimensions	See section above
Colors	Iron Gray, Black
Interface	SDL (24/38V) with open/close drawer status or USB
Till	2 till options. No separate coin case option.
Document storage	Below the till insert.
Till Loading	The drawer is designed to contain a till load of 3.6 Kg (8 lbs) of coin/currency.
Locking Till Cover	This is an optional feature
Supported Weight	Up to 100 pounds - Enough for second drawer/sys unit, all I/O devices
Serviceability	Easy to remove drawer, latch plate, and covers. Detailed instructions are in the Toshiba I/O Hardware Service Guide.
Security	Three options for lock inserts. Standard key lock Premium (barrel) lock Plug (prevents manual opening) The drawer is not readily opened by prying, rifting, etc.
Life Expectancy	2.0 Million open / close cycles or 7 calendar years. No preventative maintenance is required. Connectors: 1000 plug and unplug cycles. Key lock life: 2000 Lock and unlock cycles.
Materials Selection	Meets TGCS UV / Materials requirements All plastics PC/ABS except mechanism plate and pawl
Safety - External	Worldwide certifications (carried by system units)
TGCS Environmental Compliance	Yes
Safety – Internal	
TGCS Smoke/Smell	Yes
TGCS Safety	Yes
Environment Specs	0 to 45 C
EMC	Worldwide certifications (carried by system units)
Drivers	UPOS compatible – There are no native Windows drivers. See the DRIVER section below.
Diagnostics	Toshiba Global Commerce Solutions Diagnostics package
Publications	Covered in TGCS end-user documents and service manual
Systems Management	Provides feedback to RMA agent. See section below.

Keylock Operation

The keylock has three positions. The normal position is the OPERATE position which allows the cash drawer to be opened by software command. Turning the lock clockwise will lock the drawer such that a software command will not open the drawer. Turning the lock counterclockwise from the OPERATE position will open the cash drawer or when left in the CCW position will lock the cash drawer open - it will not latch closed. The keylock assembly will accept a family of lock cylinders which are customer specified and installed.

Emergency Open

There is no provision with the restructured drawers to have an Emergency Open port on the back of the drawer. Selected part numbers of the legacy drawers that have been sunsetted had an access hole where a long slender rod could be inserted to open a drawer. **This is no longer an option.**

Systems Management

Latch Plate Sensor Reporting Capability

The CD latch plates have only one sensor that detects that the drawer is either latched or unlatched. The USB latch plate detects any sensor or cable change by waking the system. This allows detection of forced entry of a closed cash drawer or disconnection of a cable.

The following systems management events are detected:

- **24/38 Volt SDL Interface Latch Plate:**
Note: The 24/38V Latch Plate only reports status. It is the driver's responsibility to interpret the status and generate the following events and maintain any applicable counts. There is no unique cash drawer identifier; therefore, this data is associated with the lane or system unit not the cash drawer.
 - Unexpected open event – The sensor detects that the cash drawer was opened without a system command.
 - Opened cash drawer event – The open sensor indicates that the drawer has been open longer than a predetermined time.
 - Fail to open count – The open sensor indicates that the drawer did not open (was still closed immediately after the command to open is executed) after 2 tries. While this can be caused by physical obstruction, frequent events may indicate a problem with the cash drawer.
 - Life count – number of open/close cycles
- **USB Latch Plate**
Note: The USB Latch maintains and/or reports the following data in addition to the status referenced above. Unless otherwise specified the driver is still responsible for providing the above data.
 - USB reports its identity; therefore, data can be tracked by cash drawer rather than lan or system unit.
 - USB maintains its Fail to Open count.
 - Life - USB records its number of open/close cycles.

Using Retail Management Software with Toshiba's UPOS Driver

The UPOS drivers provided by Toshiba offer some powerful management capabilities that are important to helpdesks and to retailers that are interested in managing their installed POS devices across their enterprise.

The following attributes and wear characteristics are exposed to management software and can be used to create customized alerts to the store management teams. Toshiba offers the Retail Enterprise Management Service (REMS). [Click Here](#) for the overview of this offering.

- id="PhysicalDeviceName" type="text" value=""
- id="ModelName" type="text" value=""
- id="ManufacturerName" type="text" value=""
- id="PhysicalDeviceDescription" type="text" value=""
- id="Description" type="text" value=""
- id="DeviceServiceVersion" type="text" value=""
- id="Caption" type="text" value=""
- id="DeviceControlVersion" type="text" value=""
- id="SerialNumber" type="text" value=""
- id="Bus" type="text" value=""
- id="FirmwareRevision" type="text" value=""
- id="ManufactureDate" type="text" value=""
- id="MechanicalRevision" type="text" value=""
- id="InstallationDate" type="text" value=""
- id="UnifiedPOSVersion" type="text" value=""
- id="DeviceCategory" type="text" value=""
- id="DeviceID" type="text" value=""
- id="HoursPoweredCount" type="long" value=""
- id="CommunicationErrorCount" type="long" value=""
- id="DrawerFailedOpenCount" type="long" value=""
- id="IBM_DrawerOpenCloseCycleCount" type="long" value=""

Supported Operating Systems:

The following operating systems are supported for the TCx Cash Drawers

Toshiba 4690 OS

TCx™ Sky

Windows 10 IOT Enterprise LTSC 2016 (x64)

Windows 10 IoT Enterprise LTSC 2019 (x64)

Windows 10 IoT Enterprise SAC (x64)

Linux

PC DOS is not supported for the USB drawers

Cash Drawer Drivers

Please see: <https://www.toshibacommerce.com/wps/portal/marketing/?urile=wcm:path:/en/home/support/product-support/support-hardware/support-commonpackages-sitearea>

Then, click into the Restricted Area. You will need your Toshiba Enterprise ID to access these packages.

The screenshot shows the Toshiba Commerce website. The header includes the Toshiba logo, a 'Sign In' button, and navigation links for SOLUTIONS, SERVICES, PRODUCTS, SUPPORT, PARTNERS, and NEWS. Below the header, a breadcrumb trail reads: 'You are here: Home > Support Overview > Hardware > Common Packages: Diagnostics, Drivers & Downloads'. The main heading is 'Common Packages: Diagnostics, Drivers & Downloads'. Under the 'Overview' section, it states that downloads are divided into public and restricted files. A link for 'TGCS driver support policy' is provided. A table lists the following packages:

Public TGCS packages (MUS, VSP, NWD, SSDLM, inventory & sensor driver)	+
Public drivers (OS drivers for POS terminals)	+
Restricted content (UPOS, USB POS Diagnostics key, Wifi printer driver)	+

A red arrow points to the 'UPOS' link in the 'Restricted content' row.

- Toshiba 4690 and TCx Sky have integrated drivers.
- For Windows, the UPOS downloads include both UPOS and OPOS higher level drivers. This is the preferred method of actuating the TCx Cash Drawers.
- Linux users may use the UPOS for Linux driver package

Additionally, the Toshiba Virtual Serial Port (VSP) Driver utility may be used to activate the TCx Cash Drawers. This package is in the PUBLIC DRIVER section of our support / download page.

Mounting your Cash Drawer

There are two ways to mount the cash drawer in the checkout counter / wrap stand. One method is to use a pair of brackets that are secured to the underside of the countertop and hold the drawer in place. The second manner is to anchor the bottom of the drawer base to the shelf on which it sits.

UNDERCOUNTER MOUNTING BRACKET

FC 4570 is a pair of angled rails that enables a drawer to mount under the counter. The rails are screwed into the counter and the drawer slides onto them. The drawer can be screwed to the rails. The template that can be used to drill appropriate holes into the underside of the counter is attached. (page 1). There is a description of the brackets, complete with identifying marks for the holes in the steel brackets for mounting under a counter as well as mounting to another set of the brackets.

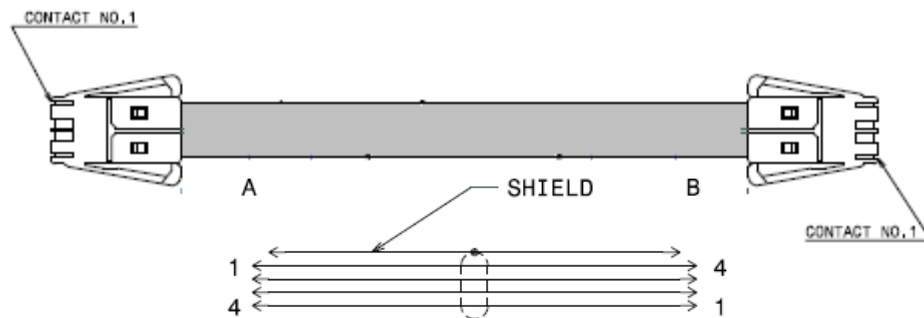


80Y3591Toshiba
CashDrawer Mounti

COUNTER MOUNTING SCREW Locations are on sheet 3 of the PDF file above. There are two threaded inserts in the bottom of the Wide and Compact cash drawers. These can be used to anchor the drawer permanently to the counter self.

Connectors and Pin-Outs

SDL Cable – (#3 Port POS terminal connection) Pin Outs for drawers connected directly to POS terminals

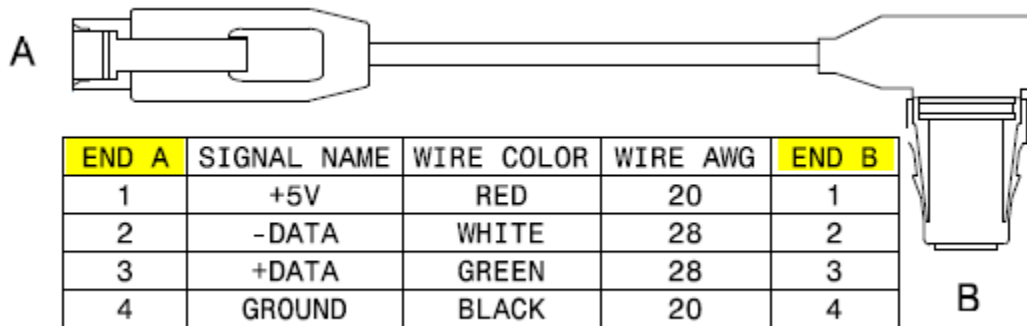


CABLE SCHEMATIC

Connector (terminal end)	Line Description	Cash Drawer end
3A-1	Ground	Pin 4
3A-2	Cashdrawer open/close status sense	Pin 3
3A-3	Cashdrawer open signal	Pin 2
3A-4	+38 Vdc or 24Vdc*	Pin 1

*The Toshiba TCx700 and the legacy IBM 4800 machine types supply 38Vdc. The other members of the Toshiba portfolio (and printers) provide 24 Volts.

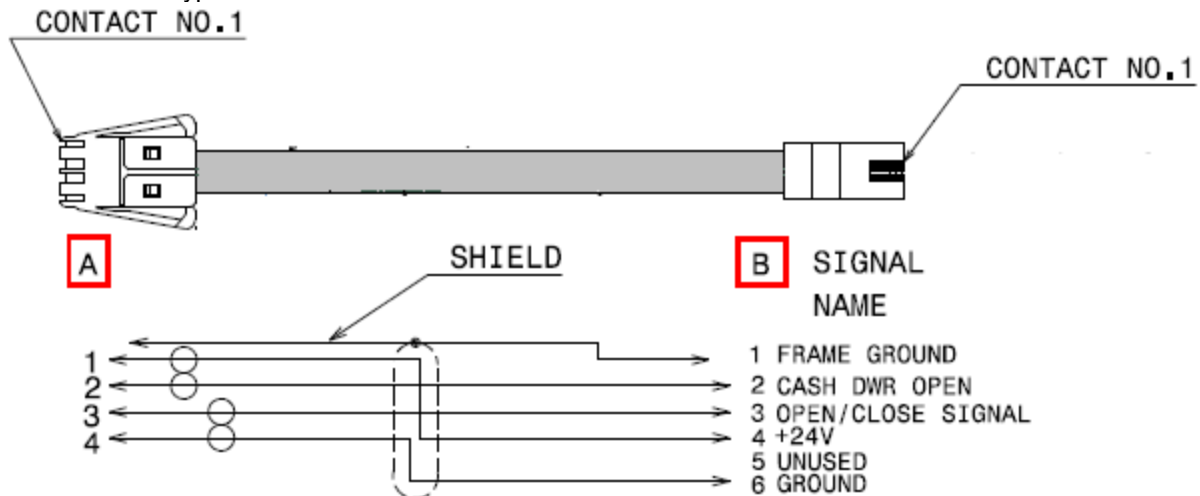
USB Cable



SDL Cash Drawer-to RJ11 Printer Connector Technical Details

Toshiba SureMark Printer Machine type 4610

TCx Printer Machine type 6145



The cash drawer solenoids should be connected between pins #4 & #2 for a single drawer or pins #4 & #2 and #4 & #5 for two drawers. In the application where two drawers are present a special "Y" cable is required to bring out all the appropriate lines to the two units. [Y Cash Drawer Cable](#) - To get a Y Cable for the 4610 which would allow you to attach two cash drawers will require you to fabricate one or search online for one.

The cash drawer status line has a 10K resistor pull-up connected to +5 vdc. The drawer sensor switch should be connected between pins #3 & #6. Connectors on the cable are RJ-11 at the printer end and SDL at the cash drawer end.

Chapter 18 of the POS Printer Programming Guide shows the format for the RS-232 command to open an attached cash drawer (s). [CLICK for GUIDE](#)

The pulse width durations to be used for Pulse-Width-On-Time and Pulse-Width-Off-Time are provided by the cash drawer manufacturer. For the IBM cash drawer, they are 100 milliseconds and 0 milliseconds respectively.

The Virtual Serial Port Driver (VSP)

The following is a brief summary of the Cash Drawer RS232 commands that the Virtual Serial Port driver will interpret. These were extracted from version 1.4 of the VSP User Guide.

Cash Drawer Command Set Summary

This section describes the RS232 Command Set that is used to communicate with the Cash Drawer.

Table 10 - Cash Drawer Command Summary No	Command (Hexadecimal)	Command Description
1	06	Read Cash Drawer Status
2	1B 06	Enable/Disable Unsolicited Cash Drawer Status
3	07	Open Cash Drawer 1
4	1B 07	Open Cash Drawer 2
5	Undefined values	Null Characters

Read Cash Drawer Status (06H)

Command Sequence: 06

Purpose: Obtains a 1 byte status information for the Cash Drawers.

Cash Drawer Status are defined as follows:

Table 11 - Cash Drawer Status Bit	Status Description
7 (MSB)	Always 0; Reserved for compatibility
6	Cash Drawer 1 Sensor: '1' = Cash Drawer 1 Opened '0' = Cash Drawer 1 Closed
5	Cash Drawer 2 Sensor: '1' = Cash Drawer 2 Opened '0' = Cash Drawer 2 Closed
4	Cash Drawer 1 Present Indicator: '1' = Cash Drawer 1 is Present '0' = Cash Drawer 1 is Not Present
3	Cash Drawer 2 Present Indicator: '1' = Cash Drawer 2 is Present '0' = Cash Drawer 2 is Not Present
2	Unsolicited Status Function State: '1' = Unsolicited Status Function is ON '0' = Unsolicited Status Function is OFF
1	Always 0; Reserved for compatibility
0 (LSB)	Always 0; Reserved for compatibility

Enable/Disable Unsolicited Cash Drawer Status (1BH 06H)

Command Sequence: 1B 06

Purpose: Toggles the unsolicited Cash Drawer status function ON or OFF. The default setting is OFF and this setting will be saved by the system. If the status is ON, the Cash Drawer status will be sent when there is a change in the status. Sending an open Cash Drawer command will also cause the Cash Drawer to return the status byte if the Cash Drawer was previously closed.

Open Cash Drawer 1 (07H)

Command Sequence: 1B 06

Purpose: Opens Cash Drawer 1.

Open Cash Drawer 2 (1BH 07H)

Command Sequence: 1B 06

Purpose: Opens Cash Drawer 2.

Null Commands

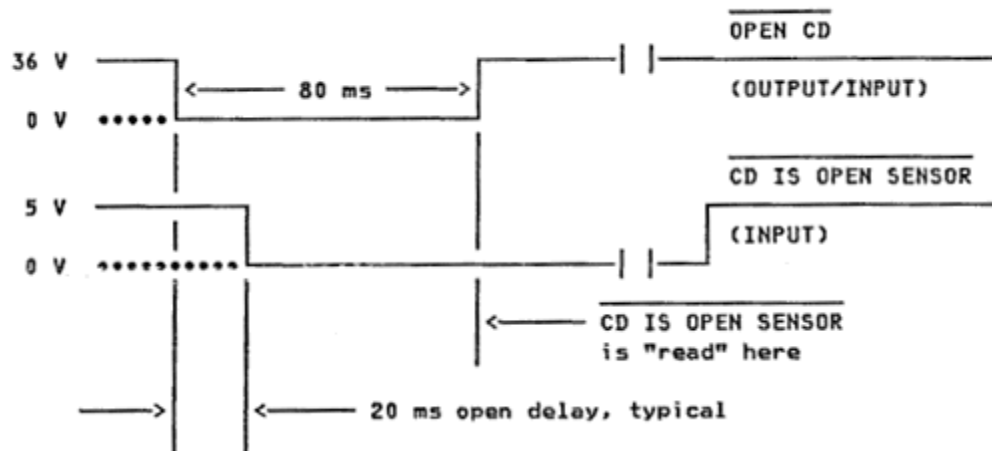
All other bytes not defined above are ignored by the Cash Drawer.

Cash Drawer Timing

The Open CD pulse is active LOW. See timing chart below. The maximum current is 1200ma.

In the embedded bit map image below, replace the 36 V label with 24 V for the 4610 printer or 24 V based systems.


CASH DRAWER OPEN TIMING




Consolidated Sales Manual Content


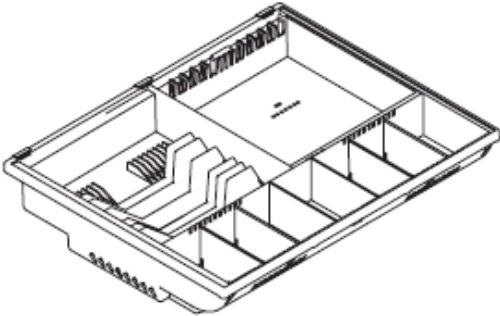

NOTE: EVERY FEATURE IS NOT OFFERED ON EVERY TOSHIBA PLATFORM. THIS IS THE COMPLETE, CONSOLIDATED COLLECTION OF OPTIONS.




Some drawers have alternate part numbers that reflect dual sourcing. The part numbers are equivalent in function.




FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
4408	(#4408) Compact Cash Drawer with Vertical Till Insert – Iron Gray Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 40N7206 SMU – 40N7122 or 3AA01394400 Full FRU: 40N7121 or 3AC00682800 Individual parts are noted in the I/O Service Guide. Compact Cash Drawer with ONE Vertical Till Insert.
4409	(#4409) Compact Cash Drawer with Horizontal Till Insert – Iron Gray Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 40N7210 SMU – 40N7130 or 3AA01394800 Full FRU: 40N7129 or 3AC00683200 Compact Cash Drawer with ONE Horizontal Till Insert.
4508	(#4508) USB Compact Cash Drawer w/Vertical Till Insert Iron Gray Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 40N7207 SMU – 40N7124 or 3AA01394500 Full FRU: 40N7123 or 3AC00682900 Individual parts are noted in the I/O Service Guide. USB Compact Cash Drawer w/vertical till
4509	(#4509) USB Compact Cash Drawer w/Horizontal Till Insert Iron Gray Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 40N7211 SMU – 40N7132 or 3AA01394900 Full FRU: 40N7131 or 3AC00683300 Individual parts are noted in the I/O Service Guide. USB Compact Cash Drawer w/horizontal till
4608	USB Compact Cash Drawer w/vertical till Black Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 3AA01356200 SMU – 3AA01285000 or 3AA02219700 Full FRU: 3AC00642300 or 3AC00788900 USB Compact Cash Drawer w/vertical till
4609	USB Compact Cash Drawer w/horizontal till Black Co-requisites: Cables FC 4526 or 4527 Maximum: Two initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes	<p>If you desire additional tills, the legacy tills FC 4770 or 4775 may be ordered.</p> <p>Co-requisites: SDL or USB Cables and Lock Inserts 9200, 9202-9206, 9218, or Premium Locks FC 4360-4380</p> <p>Provides a small footprint cash drawer with one vertical till included which may be integrated with a narrow system unit or standalone in distributed configuration. The cash drawer has an operating voltage of 24VDC (4408, 4409) or 5VDC (4508, 4509).</p> <p>The dimensions of this cash drawer are: 327.7 mm (W) x 474.5 mm (D) x 131 mm (H). It has a media slot that accommodates approximately a 5 mm stack of documents. One till insert is included with this feature.</p>	MFI = 3AA01356400 SMU – 3AA01352800 or 3AA02219500 Full FRU: 3AC00642500 3AC00788700 USB Compact Cash Drawer w/horizontal till
4610	SDL Compact Cash Drawer w/vertical till Black Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes	<p>The cash drawer opening is under application program control. A compact locking till cover may be ordered with this drawer. One till is included with this feature. Additional till inserts may be purchased separately. The Compact Cash Drawer Vertical Till (#4775) and Locking Compact Till cover (#4765) are the specific features that are orderable. A lock insert or a non-operating lock plug must be specified at order entry time. Check the "Specify" section for lock insert ordering instructions.</p>	MFI - 3AA01356100 SMU – 3AA01352700 or 3AA02219600 Full FRU: 3AC00642200 or 3AC00788800 SDL Compact Cash Drawer w/vertical till Black
4611	SDL Compact Cash Drawer w/horizontal till Black Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes	<p>The choice of a standard lock, a blank plug, or the premium keylock is required for the cash drawer at order entry time. Lock specify codes are #9202 through #9206 or random lock #9218 are orderable. There is no coin roll cutter available for this drawer.</p>	MFI - 3AA01356300 SMU – 3AA01284900 or 3AA02219400 Full FRU: 3AC00642400 or 3AC00788600 SDL Compact Cash Drawer w/Horizontal till Black



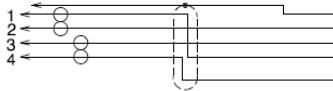
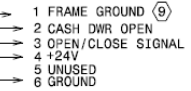
FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
4770	<p>(#4770) Compact Cash Drawer Horizontal Till Insert Provides an adjustable till for the Compact Cash Drawer (#4409). The till accommodates standard U.S. size currencies and has four adjustable currency slots and 5 coin slots. The bills stack horizontally in the till slots. A till cover is an optional feature (#4765) till and is ordered separately. One can be installed per cash drawer. This till can only be used with the Compact Cash Drawer (#4409). It is too narrow to fit properly in the Wide Cash Drawer (#4881).</p> <p>Prerequisites: #4509 or #4409 Maximum: one initially or multiples via MT xxxx-MES Customer Setup: Yes. Field Installation: Yes.</p>	 <p>Note: ONE of these is INCLUDED with feature code #4409 and 4509. You only require this feature if you wish to have multiple inserts for each drawer</p>	<p>THIS IS ONLY REQUIRED IF YOU INTEND TO HAVE MORE THAN ONE TILL. FC 4409 INCLUDES One of these</p> <p>MFI = 10H3370 SMU & FRU 10H3371 Lower-level FRUs are available in the I/O Service Guide Compact CD Horiz Till Insert</p>
4775	<p>(#4775) Compact Cash Drawer Vertical Till Insert Provides an adjustable till for the Compact Cash Drawer (#4408). The till accommodates most major international size currencies and can be adjusted with up to seven currency slots and nine coin slots. The bills stand vertically in the adjustable bill slots. A till cover is an optional feature (#4765) for the till and is ordered separately. One can be installed per cash drawer. This till can only be used with the Compact Cash Drawer (#4408). It is too narrow to fit properly in the Wide Cash Drawer (#4881).</p> <p>Prerequisites: #4508 or #4408 Maximum: one initially or multiples via MT xxxx-MES Customer Setup: Yes. Field Installation: Yes.</p>	 <p>Note: ONE of these is INCLUDED with feature code #4408 and 4508. You only require this feature if you wish to have multiple inserts for each drawer</p>	<p>THIS IS ONLY REQUIRED IF YOU INTEND TO HAVE MORE THAN ONE TILL. FC 4408 INCLUDES One of these</p> <p>MFI = 10H3330 SMU & FRU 10H3331 Lower-level FRUs are available in the I/O Service Guide Compact CD Vert Till Insert</p>
4765	<p>(#4765) Locking Till Cover for Compact Cash Drawer The till cover fits into the Compact Cash Drawer Horizontal Till Insert (#4770) or the Compact Cash Drawer Vertical Till Insert (#4775). It provides a top that can be locked in place over the currency and coin slots of both the horizontal and vertical till cash drawer inserts. One till cover can be installed per compact cash drawer till. The Locking Till Cover for Compact Cash Drawer is too narrow to fit the Wide Tills (#4865 or #4870).</p> <p>Prerequisites: #4508, #4509, #4408 or #4409 Maximum: one initially or multiples via MT xxxx-MES Customer Setup: Yes. Field Installation: Yes.</p>	 <p>There is only ONE key for all locking covers. Each key is identical</p>	<p>MFI = 10H3340 SMU & FRU 10H3341 Comp CD Locking Till Cover. (Includes One Key)</p>

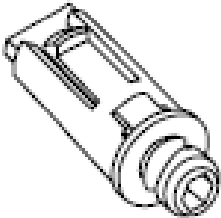
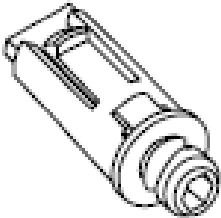
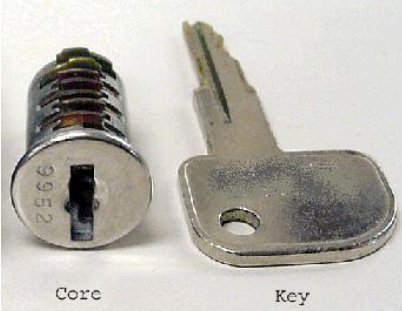
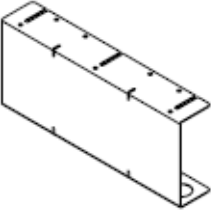
FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
4790	Wide Cash Drawer SDL -Black with Fixed Till Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes	 <p>WIDE cash drawers now include a till insert.</p> <p>Co-requisites: SDL or USB Cables and Lock Inserts 9200, 9202-9206, 9218, or Premium Locks FC 4360-4380</p> <p>NOTE: All Wide drawers have the updated styling around the keylock area.</p> <p>Provides a wide cash drawer with Till Insert. The cash drawer dimensions are: 442(W) x 475(D) x 121.5(H) mm</p> <p>The cash drawer has a media slot that accommodates an approximately 20.0mm (0.75 inch) stack of documents. Cash drawer opening is under application program control. A lock insert or a non-operating lock plug must be specified at order entry time.</p> <p>The choice of a specified lock #9202 - #9206, blank plug #9200, random lock #9218 or premium keylock (#4360 -#4380) is required for the cash drawer on initial order.</p> <p>Additionally, there are till options to select ADDITIONAL insert from Wide Cash Drawer Adjustable Till (#4870) or Wide Fixed Till (#4865), or the European till FC 4866</p>	MFI - 3AA01466000 SMU – 3AA01464900 FRU - 3AC00735100
4791	Wide Cash Drawer USB -Black with Fixed Till Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466100 SMU – 3AA01465100 FRU – 3AC00735200
4792	Wide Cash Drawer SDL -Black with Adj Till Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466200 SMU – 3AA01465200 or 3AA02232300 FRU – 3AC00735300 or 3AC00814300
4793	Wide Cash Drawer USB -Black with Adj Till Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466300 SMU – 3AA01465300 or 3AA02232400 FRU – 3AC00735400 or 3AC00814400
4794	Wide Cash Drawer SDL -Iron Gray with Fixed Till Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466400 SMU – 3AA01465600 FRU – 3AC00735500
4795	Wide Cash Drawer USB -Iron Gray with Fixed Till Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466500 SMU – 3AA01465700 FRU – 3AC00735600
4796	Wide Cash Drawer SDL -Iron Gray with Adj Till Co-requisites: Cables FC 4520-4525 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466600 SMU – 3AA01465800 or 3AA02232700 FRU – 3AC00735700 or 3AC00814700
4797	Wide Cash Drawer USB -Iron Gray with Adj Till Co-requisites: Cables FC 4526 or 4527 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI - 3AA01466700 SMU – 3AA01465900 or 3AA02232800 FRU – 3AC00735800 or 3AC00814800



FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
4865	<p>(#4865) Fixed Till Insert for Full Size Cash Drawer This till has five fixed coin and bill compartments. A locking till cover is an optional feature for the till and is ordered separately. The approximate size of the till compartments are 74mm x 190mm and the coin compartments are 74mm x 90mm. One till can be installed per Full Size Cash Drawer. This till can only be used in the Full Size Cash Drawer. It is too wide to fit in the Compact Cash Drawer.</p> <p>Prerequisite: #4881, #4883 or #4884 Maximum: one initially or multiples via MT xxxx-MES Field Installation: Yes. Customer Setup: Yes.</p>		<p>MFI = 4783879 SMU & FRU 4783879 Lower-level FRUs are available in the I/O Service Guide Fixed Till Insert for Full Size Cash Drawer</p>
4866	<p>(#4866) Euro Ready Cash Till EUROPE ONLY</p> <p>Provides a cash till for wide cash drawers for customers who need to upgrade their cash drawers to handle the larger number of notes and coins introduced with Euro currency. This till can only be used in the Wide Cash Drawer (#4881).</p> <p>Prerequisite: #4881 Maximum: One initially and multiples via MT xxxx-MES Customer Setup: Yes. Field Installation: Yes.</p>		<p>MFI = 42P8020 SMU & FRU 42P8025 Lower-level FRUs are available in the I/O Service Guide Euro Till (WIDE DRAWER ONLY)</p>
4870	<p>(#4870) Adjustable Till Insert for Full Size Cash Drawer</p> <p>This till has moveable partitions for coin and bill compartments. Four moveable bill partitions and four movable coin partitions are included. This gives you the compartments to accommodate your specific needs and currency. A till cover is an optional feature for the till and is ordered separately. This till can only be used in the Full or Wide Cash Drawer.</p> <p>Prerequisite: #4881, #4883 or #4884 Maximum: one initially or multiples via MT xxxx-MES Field Installation: Yes. Customer Setup: Yes.</p>		<p>MFI = 4783880 SMU & FRU 4783880 Lower-level FRUs are available in the I/O Service Guide Wide Cash Drawer Adjustable Till</p>

FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
4875	<p>(#4875) Locking Till Cover for Full Size Cash Drawer</p> <p>The till cover fits into the Adjustable Till Insert for Full Size Cash Drawer or Fixed Till Insert for Full Size Cash Drawer. It provides a top that can be locked in place over the currency and coin slots of both the horizontal and vertical till inserts. One till cover can be installed per wide cash drawer till.</p> <p>Prerequisite: #4881, #4883 or #4884 Maximum: one initially or multiples via MT xxxx-MES Field Installation: Yes. Customer Setup: Yes.</p>	 <p>There is only ONE key for all locking covers. Each key is identical</p>	<p>MFI = 6316718 SMU and FRU 6316718 Wide CD Locking Till Cover (Includes One Key)</p>
4484	<p>(#4484) Flip-Top Cash Drawer -Iron Gray</p> <p>Provides a iron gray cash drawer and removable till for applications where space is limited. The top cover will flip open for access to the till and is under application program control. The dimensions of this cash drawer are 18.1 inches wide x 6.8 inches deep x 4.06 inches high (460 mm x 172 mm x 103 mm). The till insert has 8 coin and 6 bill locations with removable dividers to adjust the bill spaces. The till will accommodate a variety of currencies. The cash drawer also requires a cable for connection to the system unit. Cables are available in various lengths to support integration requirements.</p> <p>Co-requisites: Cables FC 4520-4525 and Lock Inserts 9200, 9202-9206, 9218 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes</p>	 <p>You must order one drawer lock cylinder FC 9202-9206. The PREMIUM LOCKS will NOT fit.</p> <p>The internal till cover lock will be randomly assigned. There is no FRU replacement for this till-cover key.</p>	<p>MFI = 46T7216 SMU – 46T7217 FRU 46T7218 Flip Top Drawer -Iron Gray – This Feature INCLUDES ONE Till and One Locking cover.</p>
4485	<p>(#4485) Fliptop Till & Locking Cover</p> <p>Provides an additional till with locking cover to be used as a spare till or optional till to associate with a cashier. The till has adjustable bill spacers and dividers along with eight coin locations.</p> <p>Prerequisites: #4484 Maximum: one initially or multiples via MT xxxx-MES Field Installation: Yes Customer Setup: Yes</p>		<p>MFI = 46T7219 SMU – 46T7220 FRU - 46T7221 EXTRA Fliptop Till & Locking Cover The internal till cover lock will be randomly assigned. There is no FRU replacement for this key.</p>

FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
4520	Cash Drawer Cable (SDL) - Black 1.1 meters Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 80Y3659 SMU 80Y3174 FRU 80Y3269
4521	Integ Cash Drawer Cable (SDL) - Black 0.5 meters Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 80Y3660 SMU 80Y3175 FRU 80Y3270
4522	Distributed Cash Drawer Cable (SDL) - Black 3.8 meters Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes		MFI = 80Y3661 SMU 80Y3176 FRU 80Y3271 Functionally identical to FC 4580 Distributed 3.8m Cash Drawer Cable - Black
4526	(#4526) Cash Drawer Cable Std USB 3.8M Black Provides a 3.8M (12.5 ft) positive latching cable to attach the cash drawer a standard USB port on the POS system unit when the cash drawer and system are distributed. Only one cable can be used per cash drawer. Prerequisites: must have a USB Drawer, FC 4508, 4509, 4608, 4609, 4791, 4793, 4795, or 4797 Maximum: one initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes	 See Functionality note below on FC 4527	MFI = 80Y3665 SMU 80Y3179 FRU 80Y3274 Cash Drawer Cable Std USB 3.8M - Black
4527	(#4527) Cash Drawer Cable Pwr USB 3.8M Black Provides a 3.8M (12.5 ft) positive latching cable to attach the cash drawer to a powered USB port on the POS system unit when the cash drawer and system are distributed. Only one cable can be used per cash drawer. Prerequisites: must have a USB Drawer, FC 4508, 4509, 4608, 4609, 4791, 4793, 4795, or 4797 Maximum: One initially or multiples via MT xxxx-MES Customer Setup: Yes Field Installation: Yes	 From a functional perspective, the POWERED cables provide a positive lock with the SurePort. The cash drawer is a 5Volt device, therefore, the drawer will function with any of cables 4526, or 4527. Pins 5,6,7, and 8 are not populated.	MFI = 80Y3682 SMU 80Y3180 FRU 80Y3275

FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION																																
4523	(4523) Cash drawer to RJ11 converter (150mm) Black	 <table border="1"> <thead> <tr> <th>RS485</th><th></th><th>RJ11</th><th></th></tr> <tr> <th>Pin #</th><th></th><th>Pin #</th><th></th></tr> </thead> <tbody> <tr> <td>1</td><td>Blue</td><td>1</td><td>shield/frame gnd</td></tr> <tr> <td>2</td><td>Red</td><td>6</td><td>+24 volts</td></tr> <tr> <td>3</td><td>White</td><td>3</td><td>cash dwr open</td></tr> <tr> <td>4</td><td>Yellow</td><td>2</td><td>open/close signal</td></tr> <tr> <td></td><td></td><td>4</td><td>ground</td></tr> <tr> <td></td><td></td><td>5</td><td>unused</td></tr> </tbody> </table>	RS485		RJ11		Pin #		Pin #		1	Blue	1	shield/frame gnd	2	Red	6	+24 volts	3	White	3	cash dwr open	4	Yellow	2	open/close signal			4	ground			5	unused	MFI 80Y3662 SMU 80Y3657 FRU 80Y3658 There is NO electronic alteration in this adapter Cash drawer to RJ11 converter (150mm) Black
RS485		RJ11																																	
Pin #		Pin #																																	
1	Blue	1	shield/frame gnd																																
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3	White	3	cash dwr open																																
4	Yellow	2	open/close signal																																
		4	ground																																
		5	unused																																
4524	(#4524) PRINTER (RJ11) to SDL Cash Drawer Cable 0.5M -Black		MFI 80Y3663 SMU 80Y3178 FRU 80Y3273 RJ11 to SDL Cash Dr Cable 0.5M - Black																																
4525	(#4525) PRINTER (RJ11) to SDL Cash Drawer Cable 3.8M -Black	<p>Legacy color (Putty Gray) color is shown. This requires an SDL connected drawer – FC 4408, 4409, 4610, 4611, 4790, 4792, 4794, 4796, or 4883.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> SDL  </div> <div style="text-align: center;"> RJ11  </div> </div> <p style="text-align: center;">CABLE SCHEMATIC</p> <p>This cable is designed to connect a TOSHIBA SureMark 4610 Printer or a Toshiba 6145-xxx TCx Printer to an SDL cash drawer.</p>	MFI = 80Y3664 SMU 80Y3177 FRU 80Y3272 4610 (RJ11) to SDL Cash Drawer Cable 3.8M -Black																																

FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
9200	(#9200) Cash Drawer Plug - Non-operational Lock Provides a plug for the lock slot when no lock is desired. Prerequisites: None Maximum: one initially or multiples via MT xxxx-MES Field Installation: Yes Customer Setup: Yes		SMU and FRU 41D9799 Non-operative lock Iron Gray
9212	(#9212) Cash Drawer Plug Black Provides a plug for the lock slot when no lock is desired. Prerequisites: None Maximum: one initially or multiples via MT xxxx-MES Field Installation: Yes Customer Setup: Yes		SMU - 3AA00768200 FRU - 3AC00523800 Plug (Keylock replacement) Black
9202	(#9202 - #9206) Cash Drawer Locks and (#9218) Random Lock The optional lock is provided for those customers who may want a lock to restrict access to the cash drawer. The customer has the choice of specifying a plug or ordering this feature. One can be installed per cash drawer. The following are the feature codes offered for the locks:	 Core Key	MFI = 00EP034 SMU and FRU = 4674170 Lock insert (9952)
9203			MFI = 00EP035 SMU and FRU = 4674171 Lock insert (9953)
9204			MFI = 00EP036 SMU and FRU = 4674172 Lock insert (9954)
9205			MFI = 00EP037 SMU and FRU = 4674173 Lock insert (9955)
9206			MFI = 00EP038 SMU and FRU = 4674174 Lock insert (9956)
9218			MFI = 00EP039 SMU 4674183 RANDOMLY-Assigned Keylock
4570	The Feature includes four M6x12mm screws to secure the cash drawer to the bracket. The screws to secure the bracket to the counter are not supplied.		MFI - 13H9614 SMU and FRU 41D9506 Cash Drawer Mount Brackets

FEAT CODE	FEATURE DESCRIPTION and CONDITIONS		DESCRIPTION
9521	<p>(#9521) Cash Drawer Hardware Kit</p> <p>A Hardware Kit is required to install any locks used on the cash drawer, printer or keyboard. The hardware Kit includes an alignment tool and a tumbler key used to remove unlocked tumblers from their sleeves. The tumbler key is NOT a master key and can only be used to remove the tumbler AFTER the tumbler has been unlocked with one of the two keys shipped with the requested keylock. A maximum of one Hardware Kit is orderable per TCx™300 POS. Only one Hardware Kit per store is recommended.</p> <p>Prerequisites: None Maximum: one initially or multiples via MT xxxx-MES Limitations: must not #4360, #4365, #4370, #4375 or #4380 Field Installation: Yes Customer Setup: Yes</p>	 <p>THIS IS NOT BACKWARD COMPATIBLE to pre-2012 production cylinders.</p> <p>This kit is NOT applicable to the Premium locks FC 4360-4380</p>	<p>MFI = 00EP045 SMU and FRU 00EP016 Key Change Kit</p>
4380	<p>(4335 - #4380) Cash Drawer Premium Lock)</p> <p>The optional premium lock is provided for those customers who may want another option to restrict access to the cash drawer. The lock is a 7-pin tumbler - tubular cylinder lock. Ten different lock/key combinations are available. This lock is a chargeable feature. The customer has the choice of specifying a non-chargeable standard lock or plug or ordering this feature. One can be installed per cash drawer. The following are the feature codes offered for the premium locks:</p> <p>#4380 P/N 00EP040 Lock 1 #4375 P/N 00EP041 Lock 2 #4370 P/M 00EP042 Lock 3 #4365 P/N 00EP043 Lock 4 #4360 P/N 00EP044 Lock 5</p>	 <p>FRU – See I/O Service Manual Asm #23</p> <p>The PREMIUM Locks will NOT fit into keyboards.</p> <p>The Premium Lock will NOT fit onto the Flip Top cash drawers.</p>	<p>MFI = 00EP040 SMU and FRU = 7431020 Cash Drawer Prem Lock (1)</p>
4375			<p>MFI = 00EP041 SMU and FRU = 7431021 Cash Drawer Prem Lock (2)</p>
4370			<p>MFI = 00EP042 SMU and FRU = 7431022 Cash Drawer Prem Lock (3)</p>
4365			<p>MFI = 00EP043 SMU and FRU = 7431023 Cash Drawer Prem Lock (4)</p>
4360			<p>MFI = 00EP044 SMU and FRU = 7431024 Cash Drawer Prem Lock (5)</p>

Revision History

1.0 August 6, 2019 - Initial Release

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