Guide to Features
SurePOS 500 (4840-5x4)

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The “Fine Print”

This Document is a derivative work. The source documents are not required to stay in sync with this guide.
The Feature Codes relate precisely to the Offering Structure and Sales Manual. The Part Number that is included is the “Top Bill” part number which is used to build the ordering tables. The Top Bill DOES NOT SHIP to a customer. This part number causes SMU Parts (Shippable Manufacturing Units) to be assembled and shipped. The SMU number changes frequently during the life cycle of a product.

FRU Numbers, where listed, are for those features where a one-to-one relationship exists between the Feature Code and the Field Replaceable Unit number. The source guide for these is the Hardware Service Manual and the I/O Service Manual, accessed from the PUBLICATION tab on the TechLine Support page.
http://www-1.ibm.com/support/docview.wss?rs=219&q1=PUB4840&uid=pos1R7000017

I/O Manual:
http://www-1.ibm.com/support/docview.wss?rs=219&q1=PUB4800&uid=pos1R7000105

If you have questions, concerns, or suggestions, please send them to us as a TechLine inquiry.
http://www2.clearlake.ibm.com/store/support/html/hquestions.html

Overview

Example Configurations are posted on the Knowledgebase:
http://www-1.ibm.com/support/docview.wss?&uid=pos1R1003066

Model	Operator terminal	Audio	PC card	Presence sensor	Video adapter for second display	Speaker
544/E44	12.1-in. dual bulb, standard	No	No	No	No	No
	15-in. dual-bulb, optional	No	No	No	No	No
564/E64	12.1-in. dual bulb, standard	Yes	Yes	Yes	No	Yes
	15-in. dual-bulb, optional	Yes	Yes	Yes	No	Yes

Component Weights

Component	Weight
Tower and 12-in. tablet	10.5 kg (23 lbs)
Tower and 15-in. tablet	10.9 kg (24 lbs)

Integrated 2x20 display 0.2 kg (0.38 lbs)
Distributed 2x20 display 0.5 kg (1.2 lbs)
Distributed APA display 0.7 kg (1.6 lbs)
MSR (three-track or JUCC) 0.16 kg (0.41 lbs)

PICTORIAL GUIDE to FEATURES

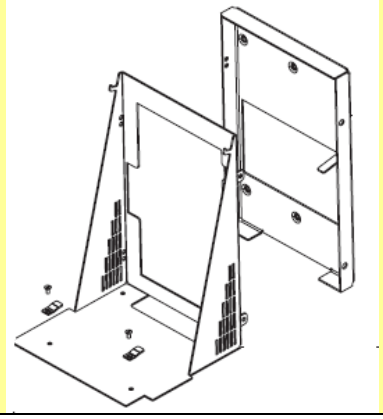
4840-5x4

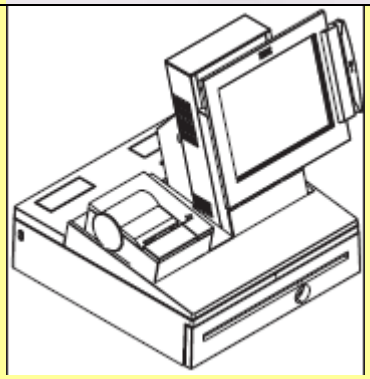
IBM Retail Store Solutions TechLine

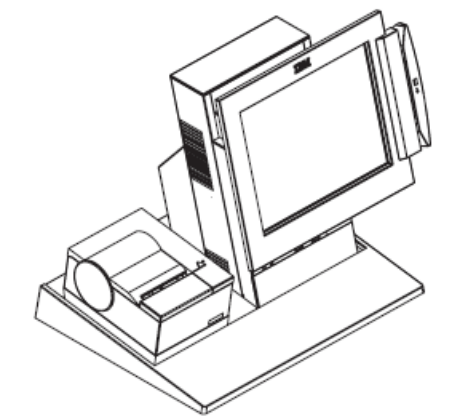
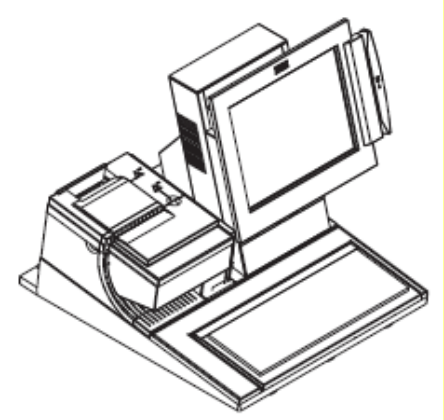
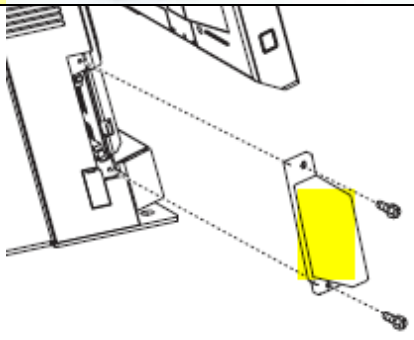
Height (mm)	Counter with 12 in. Tablet	Counter with 15 in. Tablet	Wall Mount with 12 in. Tablet	Wall Mount with 15 in. Tablet
Tablet at 15°	14.92 in. (379 mm)	16.06 in. (408 mm)	14.80 in. (376 mm)	15.94 in. (405 mm)
Tablet max.	15.12 in. (384 mm)	16.14 in. (410 mm)	15 in. (381 mm)	16 in. (407 mm)
Narrow cash drawer plate	Add 0.67 in. (17 mm)	Add 0.67 in. (17 mm)	N/A	N/A
Width (mm)				
Tablet	12.64 in. (321 mm)	15.08 in. (383 mm)	12.64 (321 mm)	15.08 in. (383 mm)
Tablet with MSR	14.33 in. (364 mm)	16.77 in. (426 mm)	14.33 in. (364 mm)	16.77 in. (426 mm)
Base	8.35 in. (212 mm)	8.35 in. (212 mm)	8.54 in. (217 mm)	8.54 in. (217 mm)
Depth (mm)				
Base	8.70 in. (221 mm)	8.70 in. (221 mm)	N/A	N/A
Narrow cash drawer plate	21.56 in. (548 mm)	21.56 in. (548 mm)	N/A	N/A
Total front to rear tablet at 15°	10.39 in. (264 mm)	10.55 in. (268 mm)	9.84 in. (250 mm)	9.92 in. (252 mm)
Total front to rear tablet at 60°	12.80 in. (325 mm)	13.31 in. (338 mm)	12.24 in. (311 mm)	12.60 in. (320 mm)

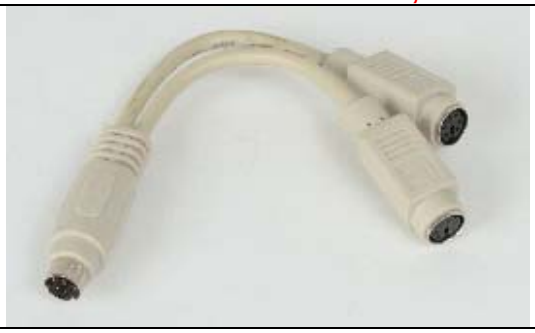
Tailgate layout

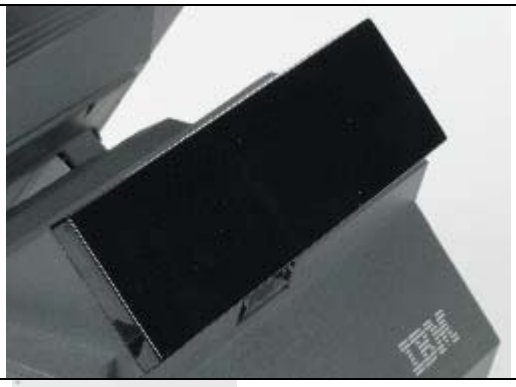
FEATURES

7820			15” LCD IR Touch Upgrade
4120	44V0906		WEPOS Media - Language Packs 4840-Ex4
4122			XP Professional DTOSE Upgrade – Must be based on 4840-Ex4
4124	44V0908		XP Professional DTOSE Media - Language Packs – Must be based on 4840-Ex4
4146			XP Professional Media SP3 **DVD** – DTOSE Recovery **DVD** – Must be based on 4840-Ex4. This is **NOT A FRU** – MES ONLY. Not available in 4611-040. FC 4122 is a pre-req for this.
4128	40N6099		XP Professional Media – DTOSE Recovery CD Set – Must be based on 4840-Ex4. This is **NOT A FRU** – MES ONLY. Not available in 4611-040. FC 4122 is a pre-req for this.
7606	40N6080		WEPOS Recovery CD – MUST HAVE an “E” model to qualify
7610	40N6092		WEPOS 1.1 Recovery CD – MUST HAVE an “E” model to qualify
2010	14R1919		**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** FRU 14R0094 (Frame) + 14R0096 (Wall Plate) Wall Mount Kit
2405	03R7887		FRU 40N5341 Short RS232 9-pin to RJ45 cable, 0.7m
2406	03R7888		FRU 40N5343 Long RS232 9-pin to RJ45 cable, 2.0m

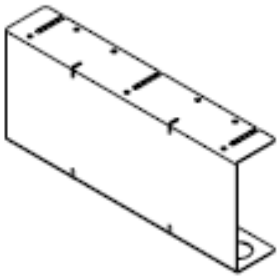
3912	14R0063		FRU 40N5612 4610 Power Cable 2.0m
3913	14R1921		FRU 40N5613 4610 Power Cable 0.7m
7801	14R0072		**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** FRU 40N6091 Extra 40GB IDE Hard Disk Drive (no screws or cable)
7804	14R1922		**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** FRU 06P5223 External 1.44MB USB Diskette Drive
7102	39V5077	 FRU – See HW Service Manual for multiple Parts Assembly #6	**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** Cash drawer integration tray w/printer filler

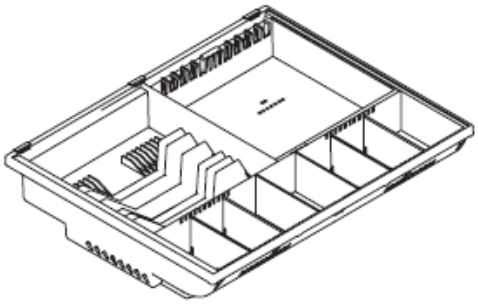
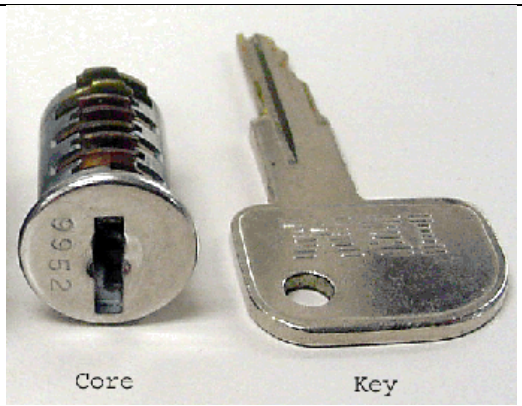
7111	39V5076	 FRU – See HW Service Manual for multiple Parts, Assembly #5	**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** Countertop integration tray w/printer filler
7122	14R1912	 FRU – See HW Service Manual for multiple Parts – Assembly #7	**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** Retail Countertop and Full Size Cash Drawer Integration Tray
7126	14R0188		**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** FRU 14R0157 Filler Panel for CANPOS Keyboard on Full Size Cash Drawer Retail Integration Tray
8005	14R1905		FRU 40N5653 PC Card Slot Cover Model 4840-564 ONLY

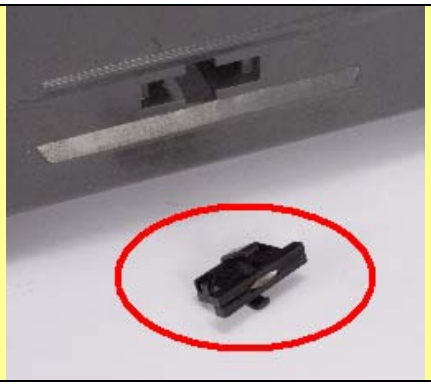
NEW MODULAR KEYBOARDS – SEE SECTION AFTER THIS. See Page 14			
3057	54P8793		FRU 42K0131 Compact ANPOS Keyboard - US-English
3058	54P8794		FRU 42K0172 Compact ANPOS Keyboard - UK English
3059	54P8795		FRU 42K0175 Compact ANPOS Keyboard - French
3060	54P8796		FRU 42K0178 Compact ANPOS Keyboard - Canadian French
3061	54P8797		FRU 42K0181 Compact ANPOS Keyboard - Spanish
3062	54P8798		FRU 42K0184 Compact ANPOS Keyboard - Brazilian Portuguese
3063	54P8799	**NOT AVAILABLE AFTER Dec 31, 2008**	FRU 42K0187 Compact ANPOS Keyboard - German
3066	14J0882		FRU 42M5596 Split tail ended cables for CANPOS Keyboard, double ended, 3.8M
3067	54P8850	**NOT AVAILABLE AFTER Dec 31, 2008**	FRU 42M5594 Split tail ended cables for CANPOS Keyboard, double ended, 0.7M
3068	54P8838	**NOT AVAILABLE AFTER Dec 31, 2008**	FRU 42M5600 Compact ANPOS, Straight Connector, Keyboard/Scanner Cables, Distributed, 3.8 meter
3069	54P8837	**NOT AVAILABLE AFTER Dec 31, 2008**	FRU 41D0313 Compact ANPOS, Straight Connector, Keyboard/Scanner Cables, Integrated, 0.7meter
3140	54P8813	**NOT AVAILABLE AFTER Dec 31, 2008**	FRU 54P8829 Compact ANPOS Keyboard Keycap 1x2 kit (qty 10 of 1x2 keycaps)
3141	54P8814	**NOT AVAILABLE AFTER Dec 31, 2008**	FRU 54P8830 Compact ANPOS Keyboard Keycap 1x1 kit (qty 10 of 1x1 keycaps)
3915	20P3918		FRU 41D0312 Keyboard Splitter Cable

5901	14R1897		FRU 41D0149 (display element only) + 14R0029 (Housing) Integrated Customer Display
5902	20P3911		Distributed Customer Display **FRU** (multiple parts) see I/O HW Service Guide, assembly #5
5903	20P3912		All Points Addressable Customer Graphics Display **FRU** (multiple parts) see I/O HW Service Guide, assembly #6
5930	20P3913		FRU 42M5663 Long Customer Display Cable (3.8m)
5940	20P3928		FRU 42M5626 Short Customer Display Cable (1m)

3905	14R1900		FRU 41D0151 3-Track Magnetic Stripe Reader
3906	14R1901		FRU 41D0152 Dual Sided single track MSR
7790	23K8107		**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** FRU 40N6066 256MB Additional DDR Memory (I DIMM), PC2100
7792	23K8108		FRU 40N6067 512MB Additional DDR Memory (1 DIMM), PC2100
7793	N/A		FRU 40N6067 Total 512MB DDR Memory as single DIMM, PC2100
7794	23K8341		FRU 40N6068 1GB Additional DDR Memory (1 DIMM), PC2100
7795	N/A		FRU 40N6068 Total 1GB DDR Memory as single DIMM, PC2100
7796	N/A		FRU 40N6068 (qty=2) Total 2GB DDR Memory
7124	14R1917		FRU 41D0217 Mounting Foot
4781	20P3919		Compact Cash Drawer FRU – See I/O Service Manual for multiple Parts – Assembly #3
4881	20P3920	WIDE Shown	Full Size Cash Drawer FRU – See I/O Service Manual for multiple Parts – Assembly #2

4580	42M5655		FRU 41D0314 Integrated Cash Drawer Cable .5M
4575	42M5656		FRU 42M5657 Distributed Cash Drawer Cable 3.8M
4570	13H9614		FRU 41D9506 Mounting bracket for cash drawer
4765	10H3340		FRU 10H3341 Locking Till Cover for Compact Cash Drawer
4875	6316718	Wide Shown	FRU 6316718 Locking Till Cover for Full Size Cash Drawer
4775	10H3330		FRU 10H3331 Vertical Till Insert for Compact Cash Drawer
4770	10H3370		FRU 10H3371 Horizontal Till Insert for Compact Cash Drawer

4870	4783880		FRU 4783880 Adjustable Till Insert for Full Size Cash Drawer
4865	4783879		FRU 4783879 Fixed Till Insert for Full Size Cash Drawer
4866	42P8020		FRU 42P8025 Euro Till (WIDE DRAWER ONLY)
9200	41D9798 Iron Gray 4611-MES 41D9805		FRU 41D9799 Non-operative lock Iron Gray **IF this is ordered as a 4611 MES item, you will receive one each of the** non-operative locks - pebble gray qty=1 (for legacy systems) - iron gray qty=1 - litho gray qty=1 (for legacy systems)
9202	41J8102		Lock insert (2)
9203	41J8103		Lock insert (3)
9204	41J8104		Lock insert (4)
9205	41J8105		Lock insert (5)
9206	41J8106		Lock insert (6)
9218	41A3498	FRU – See I/O Service Manual Asm #23	RANDOMLY-Assigned Keylock

9521	4783922		FRU 4783922 Key Change Kit
4355	41J8117		Cash Drawer Prem Lock (6)
4350	41J8118		Cash Drawer Prem Lock (7)
4345	41J8119		Cash Drawer Prem Lock (8)
4340	41J9120		Cash Drawer Prem Lock (9)
4335	41J8121	FRU – See I/O Service Manual Asm #23	Cash Drawer Prem Lock (10)
4332	10H3355		**WITHDRAWN – Not available after Dec 31, 2009 Machine and 4611 Bulk Order MES** FRU 10H3355 Coin-Roll Opener

Modular Keyboards – Announced in Summer 2008

The 2008 Keyboards are Features of the IBM POS Terminals. The Keyboard features actually have features of their own which need to be ordered. These keyboards have BOTH USB and PS/2 interfaces built-in. The interface to your terminal is dependent upon the cable that is ordered.

MODULAR KEYBOARD ORDERING STRUCTURE for MES UPGRADES

These are modular, build-your-own keyboards if you are ordering them via the MES process or through 4611-bulk order machine type. This means, that you are responsible for ordering filler plates (at an extra cost) for any of the modules that are omitted. For example, if an Compact ANPOS keyboard with a Touchpad, (MSR is not supported) and without an authentication module is ordered, the 4611 configuration would look like:

Product	Description	Qty
4611-040	4611-040 BULK ORDER for 4840 MES	1
1322	PS2 cable 1.4M Black	1
1370	Filler MSR Iron Gray	1
1374	Filler Authentication Module Iron Gray	1
1422	Modular ANPOS Lens Kit	1
2266	Touchpad/Pointing Stick Module	1
2250	Compact Modular Keyboard - US-English	1
2921	IRON GRAY COVER	1
3915	MOUSE AND KEYBOARD Y-CABLE	1

MODULAR CANPOS KEYBOARD ORDERING STRUCTURE for New Terminal Orders

BASE KEYBOARD, with default fillers for MSR, Authentication (Keylock or Fingerprint Reader)

- Choose your **optional components**. FILLERS will be shipped automatically to cover the space that these would normally occupy.
  - MSR Option
  - Authentication Module (Keylock or Biometric Module)
  - Pointer Module (CANPOS / ANPOS)
  - Lock Cylinders (if you have the Keylock Authentication Module)
- Choose your **Cable** (and thus the Interface)
  - Black Cable (USB or PS/2)
- Choose **Accessories**
  - Lens Caps
  - Key Caps
  - Blank Legend Sheet
- KeyCap Groups shipped with EACH Keyboard
  - A Keycap kit ships with every keyboard. These are ALSO available as MES items (in the event that you need to re-configure the keyboard later – (See FC 1420, 1421, and 1422)
  - Contains:

MODULAR CANPOS Keybd	
CAP SINGLE CLEAR TOP	32 (Clear)
CAP DOUBLE CLEAR TOP	4 (Clear)
MSR TEST CARD	1

Pre-Configured Modular Keyboards (1-step ordering) This are for common situations. These are:

- Modular CANPOS w/Pointer US Eng (No MSR, No Keylock, No Fingerprint reader) IRON GRAY ONLY

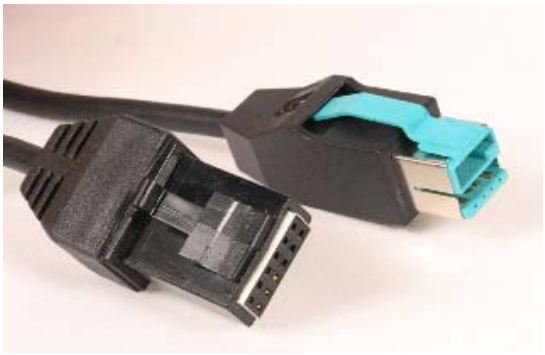
Selecting a Pre-configured Keyboard blocks all features from being ordered.

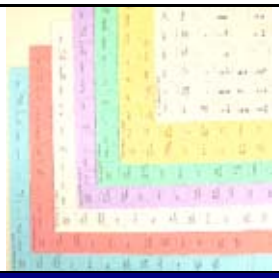
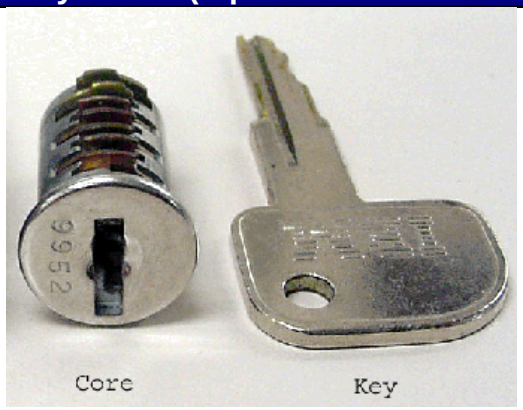
PRE-CONFIGURED US-English KEYBOARDS			
1350	46V4090		Modular CANPOS w/Pointer US English (no MSR, no keylock, no fingerprint reader) **IRON GRAY ONLY**
FACTORY INTEGRATION of KEYBOARD FEATURES			
1111	51J3374		Integration of Keyboard Features
COMPACT ANPOS KEYBOARDS			
2250	51J3339		Modular Compact ANPOS keyboard - US-English
2251	51J3341		Modular Compact ANPOS keyboard - UK English
2252	51J3342		Modular Compact ANPOS keyboard - French
2253	51J3344		Modular Compact ANPOS keyboard - Canadian French
2254	51J3340		Modular Compact ANPOS keyboard - Spanish
2255	51J3345		Modular Compact ANPOS keyboard - Brazilian Portuguese
2256	51J3343		Modular Compact ANPOS keyboard - German
2257	51J3346		Modular Compact ANPOS keyboard - Turkey
KEYBOARD FEATURES			

2264	51J3352 (Mutually exclusive with Fingerprint Module FC 2268)		Keylock Module Iron Gray **NOTE: You need to order a standard keylock FC 9202-9206**
2266	51J3354		Glide Pad/Pointer Module
2268	51J3356 (Mutually exclusive with Keylock FC 2264)		Fingerprint Module
1370	46V4070 MES ONLY		Filler MSR Iron Gray

1374	46V4072 MES ONLY		Filler Authentication Module Iron Gray
1376	46V4074 MES ONLY		Filler Glide Pad/Pointer Iron Gray
PEBBLE GRAY CABLES			
1300	51J3361 **Offered for Integrated Configs**		USB cable 0.7M Pebble Gray – Standard –USB'"A" connector FRU =45U0011
1303	51J3365 **Offered for Integrated Configs**		PS2 cable 0.7M Pebble Gray FRU = 45U0021

		The 4840-544 REQUIRES FC 3915 – "Y" cable	
1306	51J3369 **Offered for Integrated Configs**		12V Powered USB cable 0.7M Pebble Gray FRU = 45U0031
BLACK CABLES			
1320	45X0501		USB cable 1.4M Black FRU =45U0016
1321	45X0503		USB cable 3.8M Black FRU =45U0018
1322	45X0505		PS2 cable 1.4M Black FRU = 45U0026
1323	45X0507	**The 4840-544 REQUIRES FC 3915 – "Y" cable**	PS2 cable 3.8M Black FRU = 45U0028

1324	45X0509		12V Powered USB cable 1.4M Black FRU = 45U0036
1325	45X0511		12V Powered USB cable 3.8M Black FRU = 45U0038
3915	15K2025		FRU 15K2025 Keyboard Splitter Cable
Lens Kits and Key Kits			
1422	45X0514 FIELD MES ONLY because This is SHIPPED with each NEW keyboard from the factory.		Modular CANPOS Lens Kit
1426	46V4110		Keyboard Key Caps - 1x1 SS (25 units)
1427	46V4111		Keyboard Key Caps - 1x2 (25 units)
1428	46V4112		Keyboard Key Caps - 1x1 Tall (25 units)
1429	46V4113		Keyboard Key Caps - 1x2 Tall (25 units)
LEGEND SHEETS and ACCESSORIES			

1424	45U0042		MODULAR CANPOS KEYBOARD KB Label – Blank
Keylock Cylinders (repeated earlier in Cash Drawer Section)			
9202	41J8102		Lock insert (2)
9203	41J8103		Lock insert (3)
9204	41J8104		Lock insert (4)
9205	41J8105		Lock insert (5)
9206	41J8106	FRU – See I/O Service Manual Asm #23	Lock insert (6)
ACCESSORIES			
	90X9640		MSR Test Card
	93F1944		Key Puller Kit

4840 Line Cords

Part number	Length	Country
39M5100	4.3 m	Argentina, Australia, New Zealand
39M5121	4.3 m	Europe, Korea
39M5128	4.3 m	Denmark
39M5142	4.3 m	South Africa
39M5149	4.3 m	United Kingdom, Hong Kong
39M5156	4.3 m	Switzerland
39M5163	4.3 m	Chile, Italy
39M5170	4.3 m	Israel
39M5191	4.3 m	Japan
39M5079	4.3 m (non-locking)	United States
39M5077	1.8 m	United States, Chicago
39M5107	4.3 m (locking)	United States
39M5231	4.3 m	Brazil

Revision History

V7.6 – Nov 6, 2009 – WD several features from MES
V7.5 – May 12, 2009 Corrected Legacy cable information
V7.4 – Oct 8, 2008 – Clarified MES and 4611 Ordering of Modular Keyboards
V7.3 – Oct 3, 2008 - Added XP Pro SP3 Recovery DVD
V7.2 – Aug 21 – Added FC 3915 Co-Req to PS/w cables for M-Keybards
V7.1 June 24, 2008 Improved Modular Kbd Images
V7 – June 2008 – Modular Keyboard Announcement
V6 – Jan 9, 2008 Added XP Preloads, Recovery CD, and Language packs. (1/15/2008 announcement) Added FC 9218, changed 4866.
V5 – Added MES information to FC 9200
V4 – Corrected image for 3065/3067 Straight Connector cable
V3 – Corrected FC 7124 Mounting Foot
V2 – Corrected FC 7126. Corrected image of memory features. Added Tailgate Layout