MEI Cashflow SC83
Installation & Operation Manual

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EC Declaration of Conformity

Document Number: 20199-003110005-EC /G3

We, MEI, certify that the product described is in conformity with the following Directive(s):

89/336/EEC Electromagnetic Compatibility Directive

73/23/EEC Low Voltage Directive

Description of product: *Cashflow SC Series Note Acceptors*

The product has been assessed by application of the following standards:

EN 60950-1	**2001**	**Information Technology Equipment - Safety - Part 1:Generic requirements.**
BS EN 55024	**1998**	**Information technology equipment - Immunity characteristics - Limits and methods of measurement.**
EN 55022	**1998**	**Information technology equipment – Radio disturbance characteristics - Limits and methods of measurement.**

Signed.....

Title.. R+D Director.....

Dated.....29th June 04

National and International
Standards Conformance

CashFlow® SC83 Series products operate at Safety Extra Low Voltage Level (SELV) as defined in EN60950 'Safety of Information Technology Equipment'. They may be designed into equipment complying with IEC950/EN60950 'Safety of Information Technology Equipment'.

CashFlow® SC83 Series products are of Class 2 construction.

Dangerous Environments

The CashFlow® SC83 Series must not be operated in the presence of flammable gasses, fumes or water.

Product Disposal

Do not dispose of any part of a CashFlow® SC83 Series by incineration.

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When installing the SC83XX into a host machine, turn off all power.
When installing or removing the PROM observe all ESD precautions to prevent damage.

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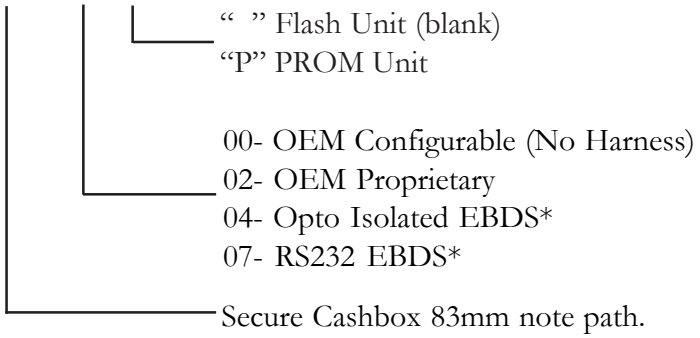
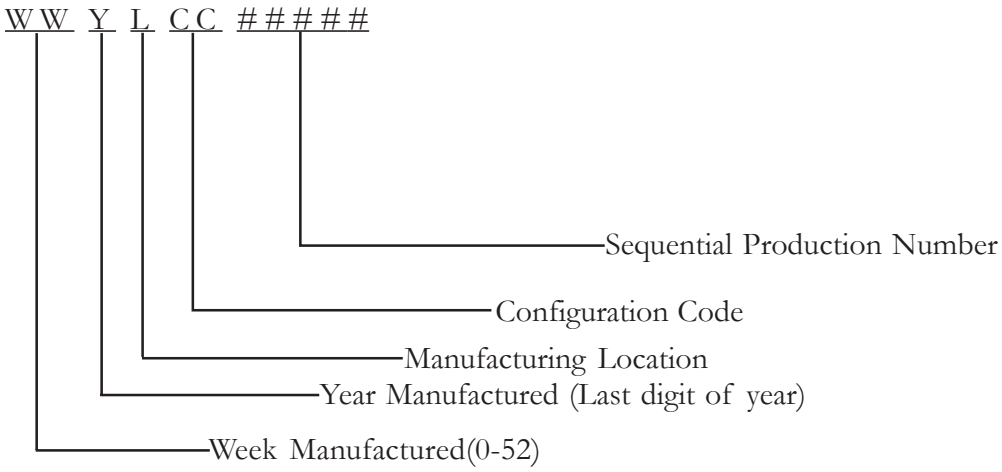
OVERVIEW

Model Number



** EBDS is a MEI protocol. EBDS stands for Extended bi-directional serial.*
Note: Other interfaces will also be supported.

Serial Number



OVERVIEW

COMPONENTS

Acceptor Module

Chassis

Cashbox

Features

1. LIGHT BAR
2. LENSED RECEIVER
3. CUSTOM BAR-CODE READER
4. 100 MHZ DSP PROCESSOR
5. EARLY NOTE PICK-UP
6. SMOOTH SEALED NOTE PATH
7. DIRECT ROLLER DRIVE
8. RIDGES MATE WITH ACCEPTOR
9. INTERNAL DIRECT ROLLER DRIVE ELEVATOR
10. SHORT NOTE PATH
11. DURABLE WELDED PLASTIC EXTERIOR
12. RECESSED PLASTIC GEARS
13. DUAL LOCK CAPABILITY
14. COMMON ACCEPTOR MODULES
15. PC STYLE EDGE CONNECTOR INTERFACE CARDS
16. ACCEPTOR RELEASE LATCH
17. NOTE PATH RELEASE
18. DISPUTE RESOLUTION WINDOW
19. ENTRY GUIDE & POWER MOUNTING
20. CONFIGURATION BUTTON - NOT USED ON SC83 SERIES
21. DIAGNOSTIC LEDS - SEE PAGE 18 FOR DETAILS
22. USB SERVICE PORT - SEE PAGE 12 AND FIGURE 2 FOR DETAILS.
23. ACCEPTOR USER INTERFACE
24. FLEXIBLE HANDLE
25. PASSIVE CASHBOX LATCHES

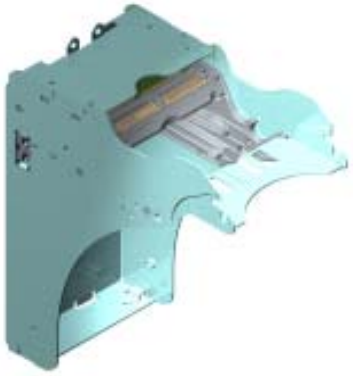
OVERVIEW

Main Components of the MEI Cashflow SC83 Note Acceptor

The SC83 consists of three main components

Cashbox/LRC

Acceptor Module



Chassis

The Acceptor Module and Cashbox are interchangeable with other identical SC83 models.

Entry guides for the SC83

Not all entry guides fit in every machine. Your choice regarding entry guides will depend on machine specifications. Below are three entry guides that MEI currently manufactures. For customers who prefer to tool their own entry guide, please contact our technical department.

Platform Entry Guide

Universal Entry Guide

Coin Resistant Entry Guide

Power Specification

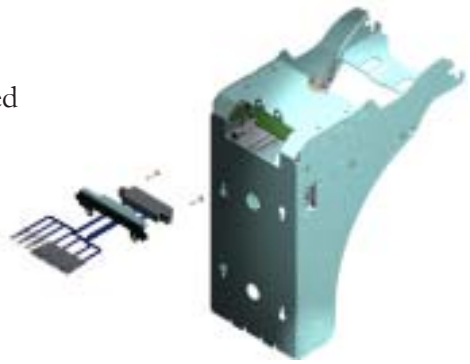
Input Voltage:	+12-28 VDC
Standby:	10 Watts
Acceptance:	Peak 30 Watts
Stacking: Peak:	70 Watts

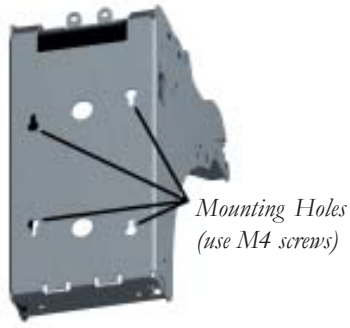
INSTALLATION

Note: ***Always power down machine prior to Installation.***
The cashbox does not lock to the chassis. When you remove the unit from the container or when the unit is not installed in the machine, you must never carry the note acceptor by the handle of the cashbox. The cashbox may release causing the rest of the unit to fall and damage the chassis.

Installing the Chassis

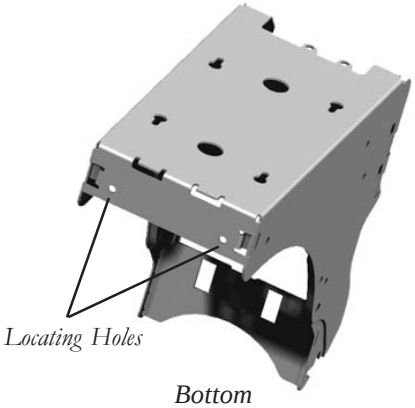
- Most models have a configuration-specific harness installed on the back of the chassis (see Interface Manual p/n 252058039 for more details). Connect the harness from the chassis to the host machine. Always dress all wires to avoid interference with any equipment operation.





Back

Side



Bottom

Note: If you have a custom configuration, you may need to contact our technical support group for assistance.

- Once the connections are made, you will need to line up the locating holes on the bottom of the chassis with the machine's locating pins. Line up the mounting screw holes and insert M4 screws through several of the 10 mounting holes. There are three on each side of the chassis and four located on the back. Leave screws slightly loose until the entry guide is mounted and aligned with the machine door closed. Screws must not exceed a 6mm depth through the mounting plate, otherwise they may interfere with the removable cashbox.

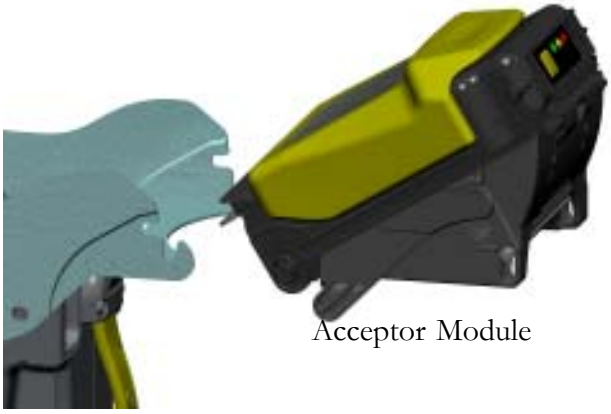
Earth Grounding Considerations:
Use star washers when mounting the chassis via the back or side mounting options. If the side mounting option is selected, use the lower mounting holes with an M4 screw to ensure a bonded connection to the host machine.

INSTALLATION

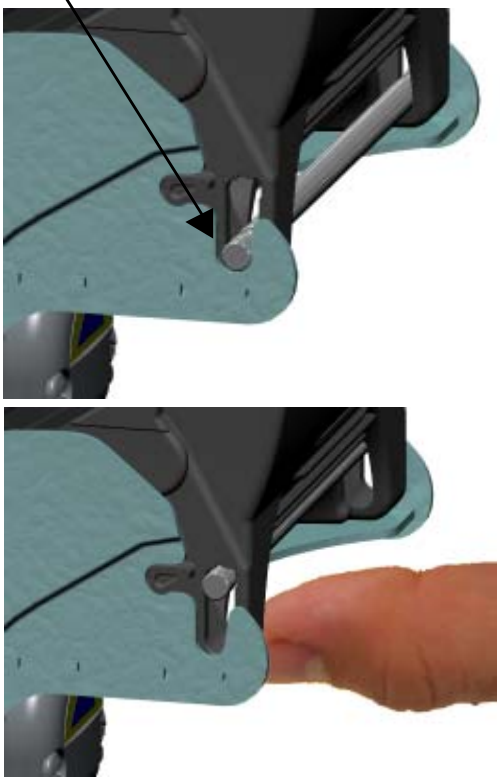
Inserting and Removing the Acceptor Module

• Insert the Acceptor Module so that the release lever locks into place. The acceptor should be firmly seated to ensure proper engagement of the locking feature.

• To remove the unit, pull upwards on the release lever located on the front of the Acceptor Module and pull away from the chassis.



Acceptor Module

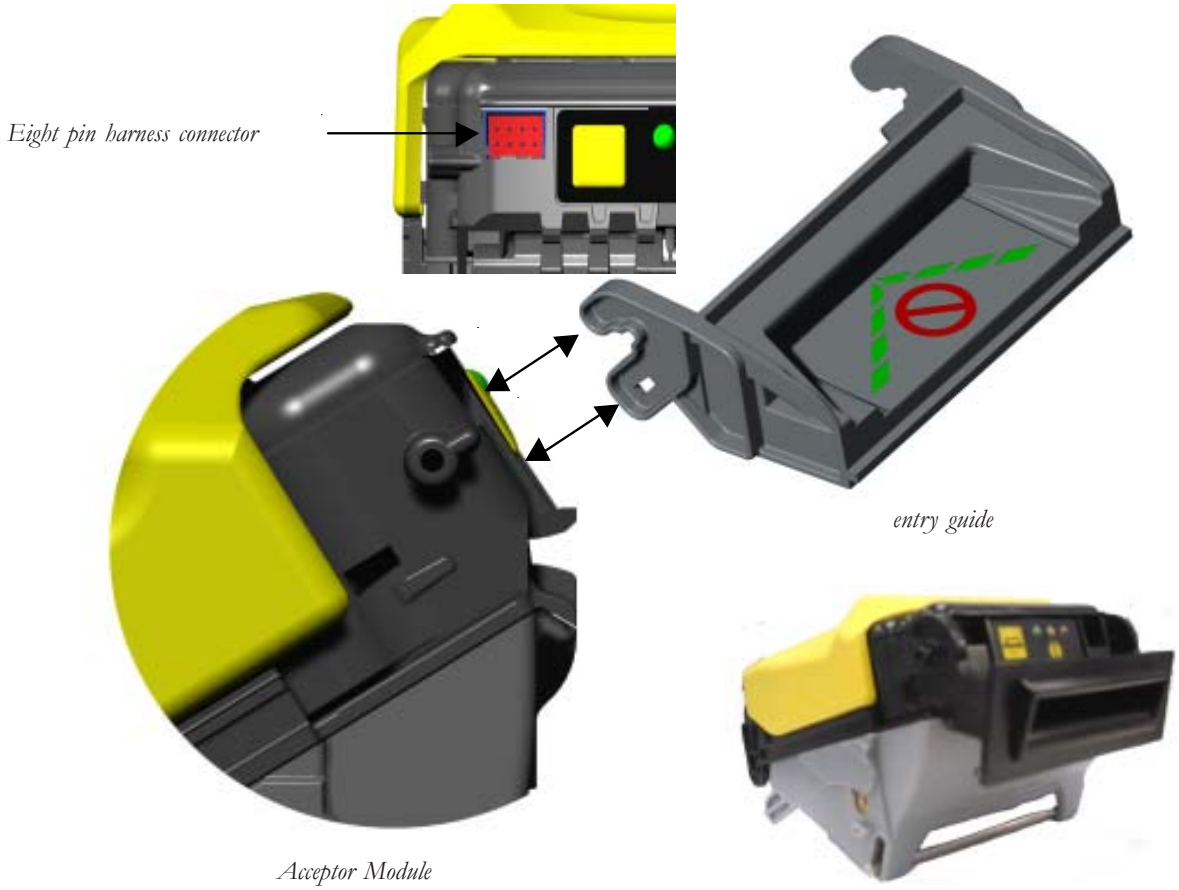


INSTALLATION

Installing an Entry Guide

• To install an entry guide, just slide it onto the acceptor module until it locks into place. No screws are required. If the entry guide has lights, you will have to first connect the harness from the entry guide to the eight pin connector located on the left hand side of the face of the acceptor module.

• Make sure that the entry guide is aligned so the machine door closes properly.



• Once the entry guide is aligned properly, remember to go back and tighten the screws on the chassis (refer back to chassis installation instructions).

• To remove an entry guide, slide a flat head screwdriver between the entry guide and the acceptor module.
(as shown in the diagram on the right)

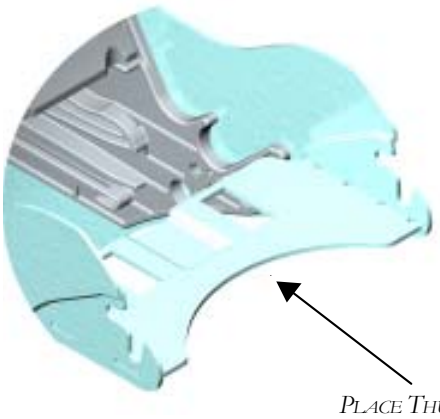
INSTALLATION

Installing the Cashbox

• With the chassis mounted securely to the machine, you may now insert the cashbox into the chassis. The cashbox has slots on both sides that will guide it into the chassis. When you insert the cashbox, you will feel some resistance from the two springs inside the chassis. Make sure to insert the cashbox all the way in so that the rear of the cashbox is flush against the chassis wall.

Removing the Cashbox

• When the note acceptor is installed in a machine, you just need to grab the yellow strap on the cashbox and pull firmly to release it. The cashbox does not lock on to the chassis.



• To remove the cashbox when the unit is not installed, grab on to the yellow handle and place your thumb on the chassis where indicated in this diagram. Placing your thumb at this location will give you sufficient leverage to remove the cashbox.

INSTALLATION

Installing Locks on the Cashbox

The cashbox may be fitted with either one or two security locks. The product is designed to accept locks from a range of manufacturers including: -

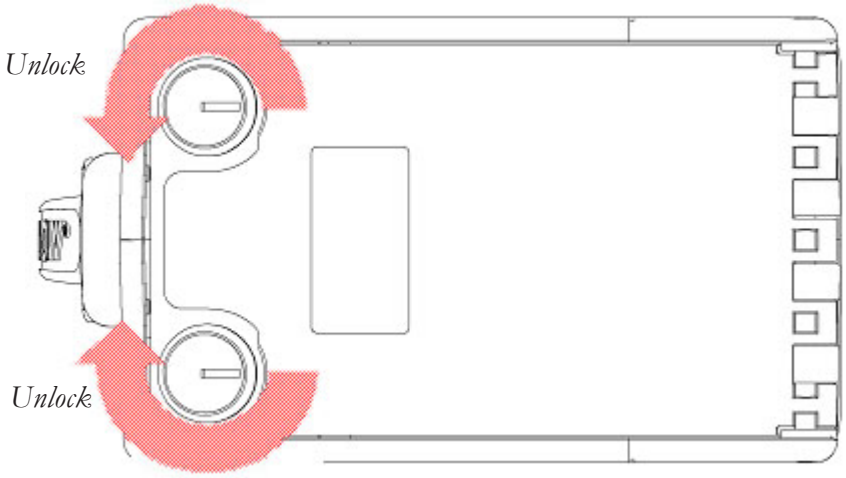
Medeco
Kaba
Abloy
VSR
Miwa
Duo
ILCO

Standard 5/8" and 1-1/8" formats are supported. There is a significant variety of lock designs, and spacer washers may be required for some lock types. Locking hasps are shipped with every cashbox. Contact MEI for cashbox lock specifications.

Locks vary greatly in price, security, keying policies, etc. The customer is responsible for selecting a lock with performance that is fit for the intended purpose. MEI does not test or endorse any specific brand of lock for security characteristics. For applications requiring NO locks, a non-secure "slam" latch is available: MEI Part Number 252260001P1/P12 NLC CASHBOX LATCH.

When only one lock is used, the remaining blank hole does not give access to the contents of the cashbox. However, some jurisdictions may require a blanking plug. Contact MEI for assistance in obtaining a suitable plug.

When two locks are installed, they must rotate in opposite directions. See the figure below.



Bottom View of Cashbox

UPDATING SOFTWARE

There are two ways of updating the software of a Cashflow SC83 note acceptor.*

1) Via a hand held device called the Cashflow Programming Module (CPM).
2) By replacing the programmed PROM (Chip Change).*

Cashflow Programming Module

Connecting the CPM to the CASHFLOW SC83

1. Locate the two USB ports located on the top of the Cashflow Programming Module (See fig. 1 below).

2. Plug the type A end of your USB harness to the USB type A port of the **CPM**. Plug the type B end of the same USB harness into the USB type B port of the **Cashflow SC83.** (see fig.2).

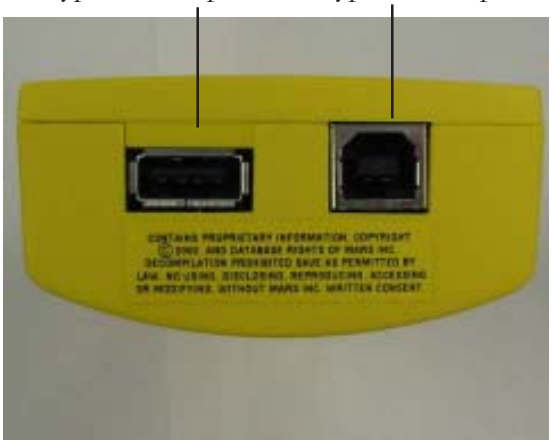


fig.1 (CPM)

fig.2

Note: Once a PROM (chip) is installed, the note acceptor can no longer be programmed via the programming module (CPM). Installation of a PROM will disable the ability of the programing module (CPM) to communicate with the note acceptor. Future software changes can only be made by replacing the PROM (chip change).

UPDATING SOFTWARE

CPM Downloading Procedure

1. After connecting the CPM to the Cashflow SC83 via the USB interface (refer to previous page illustration), you are now ready to start the download procedure.

2. Press the square download button located on the front of the CPM. (see fig.2 on previous page)

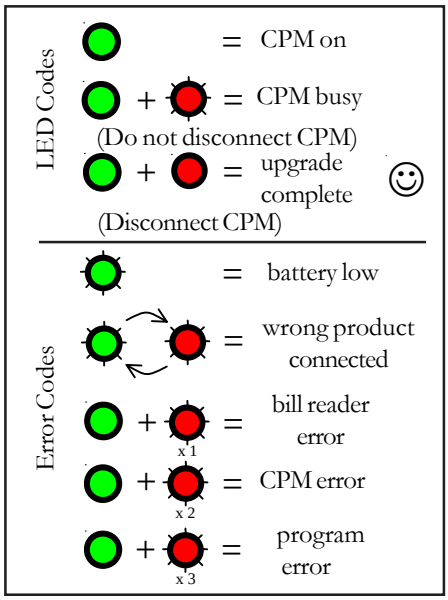
3. When downloading, the CPM will have a solid green and a flashing red LED, indicating the CPM is busy. Once the dowload is complete, the LED on the CPM will change to solid green and a solid red, indicating a successful download. The note acceptor will perform a run and stack and the the LEDs on the CPM will turn off.

4. Disconnect the USB harness from the Cashflow SC83 once the LEDs on the CPM are off.

5. Once dowload is complete, the Cashflow SC83's diagnostic LEDs will flash five times green continuously until communication between the note acceptor and the machine is re-established.

Diagnostic Codes For The CPM

Led Codes:	solid green	= CPM on
	solid green + flashing red	= CPM busy
	solid green + solid red	= upgrade complete
Error Codes:	flashing green	= battery low
	alternating flashing green and red	= wrong product connected
	solid green + flashing red 1 time	= notes reader error
	solid green + flashing red 2 times	= CPM error
	solid green + flashing red 3 times	= program error



Replacing the programmed PROM (Chip Change)

This is not necessary for all applications, but only those that occur in jurisdictions requiring PROM to be installed.

Note: As soon as even one PROM has been installed into an acceptor module, the acceptor module will not be able to be re-programmed with a CPM. To re-program an acceptor module that has had a PROM installed, you MUST change or insert a new PROM (perform a chip change). When power is re-applied, the Acceptor module will be re-programmed from the PROM.

1. Remove the acceptor module from the chassis. (Instructions on how to remove it are on page 10).

2. Open the acceptor module by placing the palm of your hand on the front of the module and placing your fingers around the top of the yellow cover as shown in the diagram below. Pull the cover toward your hand and then lift up, opening the module head fully.

3. Remove the yellow cover from the acceptor module by turning the acceptor module so that the top of the cover is facing you. Wedge the tips of your fingers underneath the left and right front top corners of the yellow cover. Lift the cover's corners out and then back toward you to release the cover. The cover will be released once the cover has cleared the black ramps as shown in the diagram below.

4. Once the yellow cover is released in the front, slide it back and remove it.

Replacing the programmed PROM (Continued).

5. You may now remove the PROM using a PLC puller.

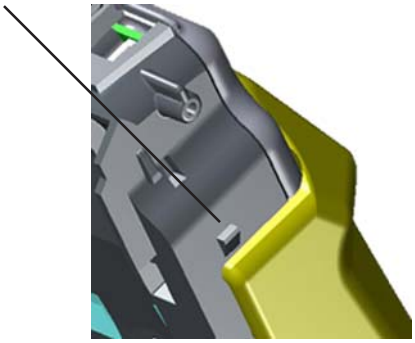


6. Insert the new PROM.

Replacing the yellow cover

Note: To install the yellow cover, the acceptor module must remain open.

7. To re-install the yellow cover, align the cover back to the position shown below.

Replacing the programmed PROM (Continued).

8. Once in position, move the yellow cover forward (as if you were opening the acceptor module) until the cover locks into place.

9. Close the acceptor module and re-install it into the chassis.

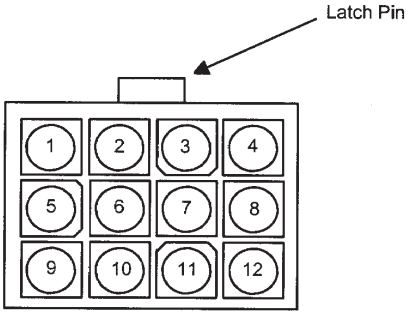
10. If the power is on, the unit will power up and perform a run and stack.

HARNESSING AND CONNECTORS

EBDS Interface Pin Out

Note: Some SC83 units will come with connectors that are "OEM-Specific." Please refer to the host machine manual for pinout and connector information.

Cashflow™ SC83 note acceptors with an EBDS Interface will have a harness with a 12-pin connector.



12-Pin Chassis Docking Station Connector (End View)

SC8307 RS232 EBDS version

Connector Pin #	Wire Color	Signal	P2 pin
1	**White**	External Inhibit	10
2	**Gray**	Bezel LED drive	12
3	**Not Populated**	———	———
4	**Yellow**	Out of Service	11
5	**Blue**	Ground[2]	2
6	**Pink**	RS232 EBDS RXD[1]	L
7	**Blue**	Power - [2]	B
8	**Purple**	LED Supply	9
9	**Not Populated**	———	———
10	**Not Populated**	———	———
11	**Green**	Power +	1 & A
12	**Tan**	RS232 EBDS TXD[1]	K

NOTES: [1] RXD refers to input to the note acceptor. TXD is an output.
[2] Pins 7 and 5 are tied with a loop of wire in back of the 12-pin connector.

SC8304 Opto Isolated EBDS version

Connector Pin #	Wire Color	Signal	P2 pin
1	**White**	Aux A	14
2	**Gray**	LED -	12
3	**Red**	V opt	7
4	**Yellow**	V ret	3
5	**Blue**	Ground[2]	2 & B
6	**Pink**	Isolated Reset	6
7	**Black**	Aux B	15
8	**Purple**	LED +	8
9	**Brown**	Isolated TXD[1]	4
10	**Orange**	Isolated RXD[1]	5
11	**Green**	Power +	1 & A
12	**Not Populated**	———	———

NOTES: [1] RXD refers to input to the note acceptor. TXD is an output.
[2] Pins 12 and 5 are tied with a loop of wire in back of the 12-pin connector.

Non Committed Contacts

Depending on the desired interface, the SC83XX may be supplied with one or two sets of non committed contact leads for OEM use. The contacts are rated at 125VAC, 5AMPs Maximum. Wire connections are as follows:

Black	OEM SW1 or 2 , COM
White	OEM SW1 or 2 , NC
Red	OEM SW1 or 2 , NO

Maintenance

Periodic maintenance can improve the performance and extend the working life of a note acceptor. Additional attention may be required if the note acceptor becomes inoperable due to a jammed object or acceptance rates fall below normal.

Cleaning the Acceptor Module

Note: You must remove the acceptor module from the chassis to open the front sensor area. Forcing the note path open without removing the acceptor module from the chassis will damage the unit. Remember to turn off the machine (as per machine manufacturer) when performing any cleaning.

• Remove the acceptor module from the chassis. (Instructions on how to remove it are on page 10).

• Open the acceptor module by placing the palm of your hand on the front of the module and placing your fingers around the top of the yellow cover as shown in the diagram to the right. Pull the cover toward your hand and then lift up, opening the module head fully.

• Clear the note path area of any foreign objects.

• Wipe the note path and sensor areas as needed with a soft damp cloth. For stubborn dirt, a small amount of mild non-abrasive soap may be added to the water before dampening the cloth. Make sure no streaks or residual soap remain on the note path.

Note: SC83 does not require the use of a cleaning card. Never use a petroleum-based product to clean this device! Petroleum based products will damage the note path. Mild non-abrasive soap is preferred over alcohol.

Calibration

The SC83 series note acceptor was designed not to require calibration. Thus, the unit has no switch settings or calibration mode that allows a user to perform a calibration. Calibration may only be performed by MEI trained technicians.

TROUBLESHOOTING

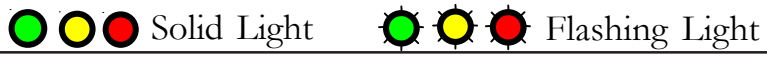
Diagnostic Codes

The chart below indicates the 15 color-coded combinations of diagnostic LEDs on the acceptor module. For each color, there is a solid indicator and four flashing combinations. If multiple failure conditions occur, the most severe condition will be displayed.

Red conditions - Hard Fault. One of the note acceptor components needs to be replaced.

Yellow condtions - Soft Fault The operator can correct the issue at the machine.

Green conditions - No Fault No problem with the note acceptor.



LED Indicators	Status	You Need to
Solid Green	Normal	Take no action
1 Flash Green	Disabled by machine interface	Fix the machine condition (e.g. fill the coin hopper)
2 Flash Green	Disabled by network interface (if applicable)	Correct the network condition
3 Flash Green	Not Used	
4 Flash Green	Not Used	
Solid Yellow	Cashbox not seated or not present	Re-seat the cashbox
1 Flash Yellow	Poor acceptance	Clean the acceptor
2 Flash Yellow	Jam in acceptor	Clear the jam from the acceptor
3 Flash Yellow	Jam in cashbox	Remove the acceptor and try to clear jam
4 Flash Yellow	Not Used	
Solid Red	Cashbox full	Replace with an empty cashbox
1 Flash Red	Acceptor fault	Replace the acceptor with a programmed spare
2 Flash Red	Interface board hardware fault	Replace the interface board
3 Flash Red	Invalid Config. Coupon	Edit or Refill another Coupon
4 Flash Red	Cash Box Memory Fault	Replace cashbox
Green-Yellow-Red Solid Lights	Hardware fault	Re-program or Replace Interface Card
Green and Red Flashing	In Calibartion Mode	Insert Calibration/ Test Coupon

Note: By opening the machine door, you will disable the primary interface. The 10-second delay allows you to see a normal condition on the unit prior to the MMI display update.

FREQUENTLY ASKED QUESTIONS

1) What are the 3 parts that make up a CASHFLOW™ SC83 unit?

A CASHFLOW™ SC83 unit consists of an acceptor module, chassis and cashbox. For more information on these modules refer to page 7 of the CASHFLOW™ SC83 Installation & Operation Manual.

2) What purpose do the Cashbox arrows serve?

Arrows highlight a cashbox's position (upright or upside-down). Arrows provide a visual aid to crews who frequently arrange cashboxes by position to signal that they are full or empty.

3) What is the purpose of the USB and 8-pin connectors on the front of the Acceptor Module?

The USB connector is used to connect a CPM (Cashflow Programming Module) to a CASHFLOW™ SC83 unit. The CPM is used to download new software into a CASHFLOW™ SC83. The pupose of the 8-pin connector is to provide appropriate drive voltage and enable signals in some lighted entry guides that get installed on the note acceptor. Some entry guides do not plug into the note acceptor, they plug directly to the host machine.

4) How is software updated in CASHFLOW™ SC83 Flash units and PROM units in the field?

Flash versions of CASHFLOW™ SC83 units can be updated in the field by using a CPM (Cashflow Programming Module). PROM versions of CASHFLOW™ SC83 units can be updated by replacing the PROM Chip that is located under the yellow acceptor latch on the acceptor.

5) What is a CPM (Cashflow Programming Module) and how does it work?

A CPM is a yellow handheld device that is programmed by MEI and is used to download software into a CASHFLOW™ SC83 Flash units. The CPM consists of a yellow button, a red and green LED and 2 USB connectors. To use a CPM, first connect a USB harness to the front of a CASHFLOW™ SC83 unit then connect the other end to the CPM. Then press the yellow button and the CPM downloads new software into the CASHFLOW™ SC83 unit. The CPM uses the red and green LEDs to report its status and also gives error messages. For more information on the CPM refer to the CPM User Guide.

FREQUENTLY ASKED QUESTIONS

6) Can a PPM be used to update software for PROM CASHFLOW™ SC83 units?

No. A PPM can only be used to download software into Flash CASHFLOW™ SC83 units.

7) How can I tell the difference between a Flash and PROM CASHFLOW™ SC83 unit?

On purchased units that have not be modified, PROM CASHFLOW™ SC83 units should have a P after the model number. Flash CASHFLOW™ SC83 units will not have a designator after the model number.

Examples: SC8302 US (Flash CASHFLOW™ SC83 unit)
SC8302 P US (PROM CASHFLOW™ SC83 unit)

8) What are the MMI Diagnostic Error Codes (Green, Yellow and Red LED)?

MMI Indicator	Status	Activated by	Technician Needs:
Green (Solid)	Normal	Normal Power-up	None
Green (1 flash)	Disabled by 1st interface	Gaming machine (due to other condition like empty coin hopper). This is delayed by 10 seconds see Note 1	Clear the condition on the host machine that caused the banknote acceptor to be disabled
Green (2 flashes)	No communication by 2nd interface	No communication by 2nd interface (only used with 2nd interfaces)	Investigate & Correct Issues with 2nd interface
Green (3 flashes)	Not used		
Green (4 flashes)	Not used		
Yellow (Solid)	Cash Box unseated / not present	Cash Box not present.	To be able to reset the Cash Box
Yellow (1 flash)	Poor Acceptance	Need for cleaning	Needs to clean acceptor
Yellow (2 flashes)	Jam in Bill Path	Self evident condition	To clear jam and jam rate on system
Yellow (3 flashes)	Jam in Cash Box	Self evident condition	Need to check Cash Box
Yellow (4 flashes)	Not used		
Red (Solid)	Cash Box Full	Self evident condition.	Need to swap Cash Box
Red (1 flash)	Hardware Fault (Acceptor)	Auto-detected failure in Acceptor	Need to swap the Acceptor
Red (2 flashes)	Communications Fault	Auto-detected failure in Interface Card	Need to swap Interface Board
Red (3 flashes)	Invalid Configuration Coupon	Coupon not filled correctly.	Check Coupon -Edit or fill another Coupon
Red (4 flashes)	Cash Box Memory Fault	Auto-detected failure in Cash Box memory system.	Need to swap Cash Box
Green - Red - Yellow Solid	Hardware Fault	Unit not programmed or Interface Card failed	-->Need to use PPM or PROM -->Replace Interface Card
Green and Red Flashing	In Calibration Mode	Self evident condition	Insert Calibration/Test Coupon

Note 1: *Opening the machine door will disable the primary interface. The 10-second delay is to allow the technician to see a normal condition on the unit prior to the MMI display update to disabled.*

9) Can a CASHFLOW™ SC83 unit be calibrated in the Field?

A CASHFLOW™ SC83 unit can not be calibrated in the field. The CASHFLOW™ SC83 is designed not require field calibration. Calibration is only required after certain repairs that are done to a CASHFLOW™ SC83 unit. Therefore, only an approved CASHFLOW™ SC83 Service Center are trained to calibrate a CASHFLOW™ SC83 unit.

10) What are the differences among model #s?

SC8300 is a generic unit that has no recognition or interface software installed in it. It also does not have a harness attached to the chassis.

SC8302 is a Flash unit made to interface to IGT's Netplex machines. It uses the IGT ID024 interface.

SC8302 P is a PROM unit made to interface to IGT's Netplex machines. It uses the IGT ID024 interface.

SC8304 is a Flash unit made to interface to various machines. It uses MEI Opto Isolated EBDS Interface.

SC8304 P is a PROM unit made to interface to various machines. It uses MEI Opto Isolated EBDS Interface.

SC8307 is a Flash unit made to interface to various machines. It uses MEI RS-232 EBDS Interface.

SC8307 P is a PROM unit made to interface to various machines. It uses MEI RS-232 EBDS Interface.

11) What are the differences among interfaces?

MEI EBDS (Extended Bi-Directional Serial) Protocol is a proprietary MEI protocol specification used to accomplish two-way serial communication between the note acceptor and a host machine. It is not used for interfacing to IGT machines. Open collector EBDS uses opto isolated interface hardware. RS-232 EBDS uses RS-232 level interface hardware.

IGT Netplex (Serial) Protocol is proprietary IGT interface used to communicate between the IGT host machine and the note acceptor.

12) How is a CASHFLOW™ SC83 unit manufacturing date determined?

Locate the unit's serial number on the product label. The product label is located on the front of the acceptor module below the entry guide.

The first three digits of the serial number are the date code of the note acceptor. The first two digits indicate the week of the year it was made. The third digit indicates the year of manufacture.

For example: 082 means the unit was manufactured the 8th week of 2002.

13) How and how often should I clean the CASHFLOW™ SC83 unit?

The best way to clean a note acceptor is with mild, non-abrasive, diluted cleaning solution sprayed onto a soft cloth and not directly onto the note acceptor. Remove the acceptor and open the note acceptor's mouth. Wipe out the note path. Cleaning should be performed after two years, depending upon use, or if the unit's acceptance rate drops below normal.

14) Can I use alcohol to clean a CASHFLOW™ SC83 unit?

Alcohol is not the preferred cleaning solution (Refer to Question # 13.).

15) Can I use cleaning cards?

Not necessary! Cleaning cards offer simple preventative maintenance for some note acceptors. Since the CASHFLOW™ SC83 unit is easily opened, more effective cleaning can be accomplished with a soft, lint-free cloth and an appropriate cleaning solution. (Refer to Question # 13.)

16) What is the operating voltage for a CASHFLOW™ SC83 unit?

The operating voltage range is +12 to +28 VDC.

17) Does a CASHFLOW™ SC83 unit have dip switches?

A CASHFLOW™ SC83 unit does not have any dip switches. Notes can be enabled and disabled by using a configuration coupon. Contact MEI for more information.

18) What is the purpose of the red, black and white wires that come out of the main harness?

The wires are connected to an internally mounted switch and are used in conjunction with Player Tracking Systems to identify that a cashbox is present or that it has been pulled. Different combinations allow normally open or normally closed wiring.

FREQUENTLY ASKED QUESTIONS

19) How do I clear a note jam?

Remove the acceptor by pulling upwards on the release lever located on the front of the acceptor module and pull away from the chassis. Open the acceptor by sliding the yellow acceptor latch forward then clear the note jam.

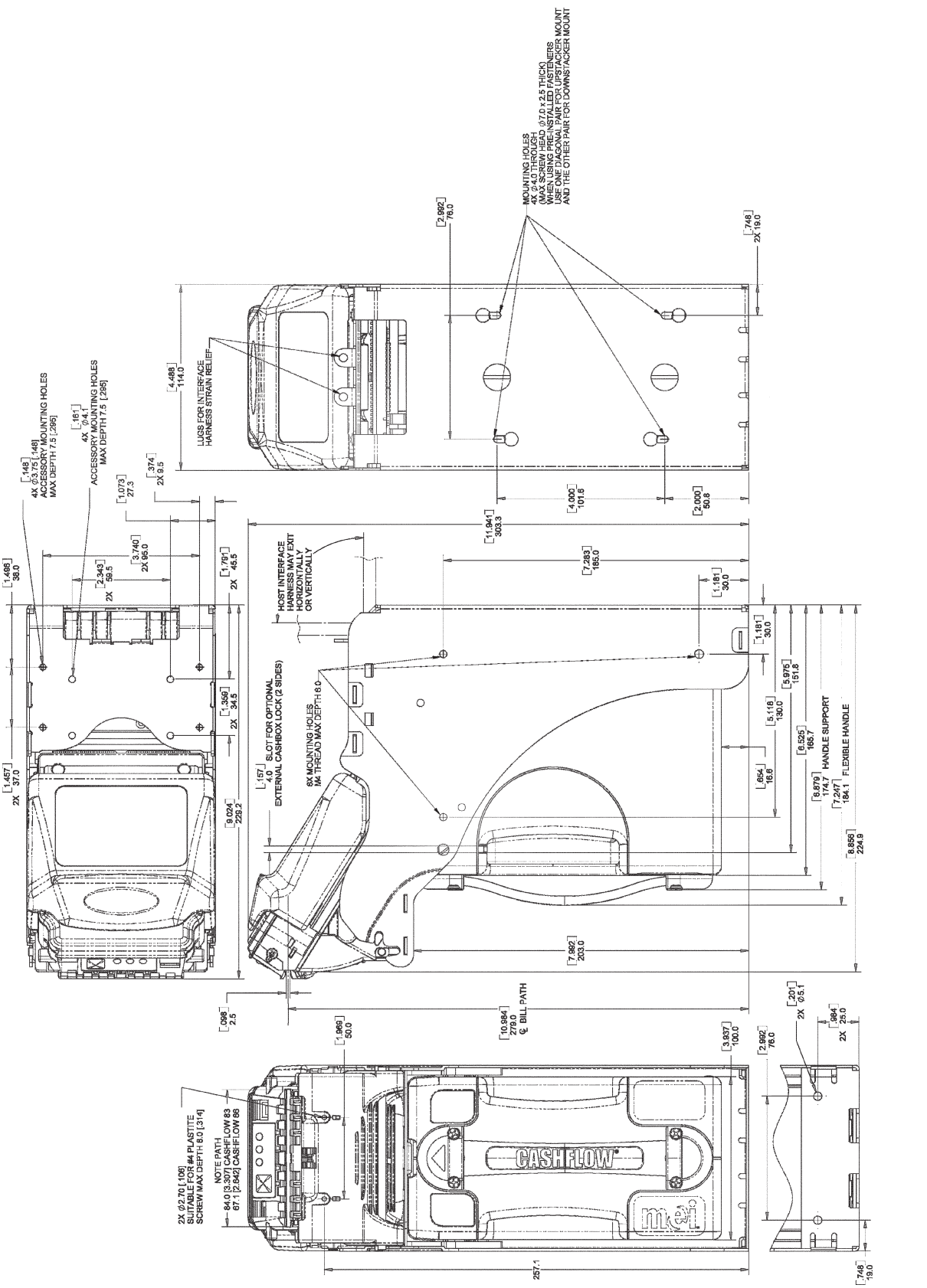
20) Is it OK to swap acceptors among my machines?

Like model number acceptors may be easily swapped (i.e. SC8302 to another SC8302). Consider the machine denomination and verify that the correct notes are enabled/disabled and that any entry guide place cards display proper denominations.
Contact our technician prior to swapping non-like model (i.e. SC8304 to SC8302). Not all non-like models can be swapped.

21) Who can I contact for service on a CASHFLOW™ SC83?

Mars Electronics International
Eskdale Road
Winnersh Triangle
Wokingham
Berkshire
RG41 5AQ
United Kingdom
Internet: http://www.meiglobal.com

DRAWINGS


MOUNTING HOLES
4X Ø4.4 THROUGH
(MAX SCREW HEAD Ø7.0 x 2.5 THICK)
WHEN USING PRE-INSTALLED FASTENERS
USE ONE DIAGONAL PAIR FOR UPSTACKER MOUNT
AND THE OTHER PAIR FOR DOWNSTACKER MOUNT
LUGS FOR INTERFACE
HARNESS STRAIN RELIEF
4X Ø3.75 [148]
ACCESSORY MOUNTING HOLES
MAX DEPTH 7.5 [.295]
4X Ø4.1
ACCESSORY MOUNTING HOLES
MAX DEPTH 7.5 [.295]
HOST INTERFACE
HARNESS MAY EXIT
HORIZONTALLY
OR VERTICALLY
SLOT FOR OPTIONAL
EXTERNAL CASHBOX LOCK (2 SIDES)
8X MOUNTING HOLES
M4 THREAD MAX DEPTH 8.0
HANDLE SUPPORT
FLEXIBLE HANDLE
2X Ø2.70 [.106]
SUITABLE FOR #4 PLASTITE
SCREW MAX DEPTH 8.0 [.314]
NOTE PATH
84.0 [3.307] CASHFLOW 83
67.1 [2.642] CASHFLOW 86
℄ BILL PATH
CASHFLOW