



***MULTI-CASSETTE
CASH DISPENSER***

(MODELS 9640/9641/9660/9661)

OPERATION MANUAL

Version 4.1

2nd Edition

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FCC COMPLIANCE

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CANADIAN EMISSION REQUIREMENTS

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la Class A prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

AUSTRALIAN EMISSION REQUIREMENTS

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

NOTICE:

The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas. Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE:

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

AVIS:

L'étiquette d'Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme aux normes de protection, d'exploitation et de sécurité des réseaux de télécommunications, comme le prescrivent les documents concernant les exigences techniques relatives au matériel terminal. Le Ministère n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être coordonnées par un représentant désigné par le fournisseur. L'entreprise de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'ils y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales. Avertissement: L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours au service d'inspection des installations électriques, ou à un électricien, selon le cas.

AVIS:

L'indice d'équivalence de la sonnerie (IES) assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface. La terminaison d'une interface téléphonique peut consister en une combinaison de quelques dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'exède pas 5.

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SECTION 1
INTRODUCTION

SECTION 1 - INTRODUCTION

WHAT'S NEW IN ATM SOFTWARE RELEASE 4.1

The newest release of ATM operating software, Version 4.1, offers a number of new features and benefits. These include:

- **IMPROVED MONOCHROME AD GRAPHIC DISPLAY SUPPORT.** The rendering of gray-scale images has been improved significantly. The availability of a more life-like rendering of monochrome graphics can make the use of these images a more appealing option in certain applications.
- **256-COLOR AD GRAPHIC DISPLAY SUPPORT.** ATM Software Release 4.1 delivers support for the new 256-color display feature of Triton Systems ATMs. Ad Graphic screens can now be displayed using a richer palette of 256 colors.
- **“MAC” DATA ENCRYPTION SUPPORT.** ATM Software Release 4.1 implements support for the Message Authentication Code (MAC) data encryption protocol. This capability is typically referred to as “MAC-ing”. This feature provides increased protection for message traffic to and from the ATM. **The SPED option (described next) is required to take advantage of MAC-ing.**
- **SECURE PIN ENTRY DEVICE SUPPORT.** The newest ATM EPROM upgrade, along with Software Release 4.1, support an optional feature of Triton Systems ATMs known as the Secure PIN Entry Device, or SPED. SPED is an encryption system that offers additional protection of the customer PIN during entry at the ATM keypad. **SPED is an option, and is only required if MAC-ing support is desired.**
- **DATAPAK 3000 COMMUNICATIONS PROTOCOL SUPPORT.** ATM Software Release 4.1 is DATAPAK 3000 protocol-compliant. This new capability enables the ATM to interface with designated DATAPAK intermediaries (in the Canadian market region), who in turn provide connectivity to the appropriate transaction processor. DATAPAK 3000 connectivity is typically faster and more cost-effective than a direct dial-up connection between the ATM and the transaction processor. **This feature is only available for ATMs operating in Canada.**

EPROM UPGRADE REQUIREMENT

The new features of ATM Software Release 4.1 require a corresponding upgrade to the Cash Dispenser's EPROM chip, which is located on the Memory Module. The EPROM version required is SD02.01 or higher.

SECTION 1 - INTRODUCTION

WHAT'S IN THIS MANUAL

This manual describes all operating features of the following Single-Cassette Cash Dispensers:

- 1.) Model 9640. Front Access, UL291 Business Hours Service Listed.
- 1.) Model 9641. Rear Access, UL291 Business Hours Service Listed.
- 2.) Model 9660. Front Access, UL291 Level 1, 24-Hour Service Listed.
- 2.) Model 9661. Rear Access UL291 Level 1, 24-Hour Service Listed.

Business Hours Service means that the currency should be removed from the dispenser and stored in a safe location when the business is closed to the public. Level 1, 24-Hour Service means that the dispenser can provide round-the-clock currency protection.

The front-access model Cash Dispensers allow access to the dispensing mechanism and currency cassettes from the interface-panel side of the unit. The rear-access models allow equivalent access from the back of the unit.

The setup and operating procedures given in this manual are applicable to the Single-Cassette Cash Dispenser models listed above. If the Cash Dispenser you are using does not have the ability to perform some of the features described in this manual, it is because your *processor* does not support the feature or the dispenser was purchased without that particular option.

In this manual, the terms *Cash Dispenser*, *Dispenser*, or *Terminal* are used interchangeably, and refer to any of the Single-Cassette Cash Dispenser models listed above.

WHAT IS A CASH DISPENSER?

A Cash Dispenser offers your customers the standard services commonly available from an Automatic Teller Machine (ATM), such as cash withdrawals, transfer of funds between accounts, and balance inquiries.

Once a withdrawal has been completed, the transaction processor (the organization that handles the connection between the terminal and the banking system “network”) automatically debits the customer’s account. The processor credits the merchant’s account for the amount of the withdrawal plus any surcharge (if applicable) at the end of the business day.

As is typically the case with non-bank (“retail”-style) ATMs, the Cash Dispenser does not accept cash deposits.

SECTION 1 - INTRODUCTION

BALANCING DAILY TRANSACTIONS

The Cash Dispenser keeps track of all transactions and provides simple printed reports to assist in maintaining accurate balance records. The DAY CLOSE function, for example, summarizes the transaction activities of the previous business day. The CASSETTE CLOSE function summarizes the activities since the cash cassette was last loaded.

The exact details of the closing procedure vary slightly, depending upon the sponsoring network. The closing procedures that are applicable in most cases are described in detail in Section 5, Management Functions.

SECTION 2
FEATURES

SECTION 2 - FEATURES

MULTI-CASSETTE CASH DISPENSERS

The general features of the Multi-Cassette Cash Dispenser family are described in Table 2-1:

Table 2-1. Features of the model 9640/9641/9660/9661

- High-quality, low-cost multi-cassette operation.
- Front-access (models 9640/9660) and rear-access (models 9641/9661) models available.
- UL 291 Business Hours Service (models 9640/9641) or Level 1 (models 9660/9661) 24-Hour Service models available.
- Uses an ordinary dial-up telephone line, instead of an expensive leased line.
- 2400 bps (bits-per-second) modem standard (optional 14400 and 33600 bps modems available).
- Cassettes hold approximately 3000 new notes (actual capacity depends upon currency quality and thickness) each for maximum time between cash replenishment cycles.
- Friction-feed cash dispensing mechanism stores rejected notes in a separate cassette for safekeeping and ease of accountability.
- High-capacity electronic journal can store up to 2045 of the most recent transactions for later printout.
- Intuitive, user-friendly keyboard and display interface.
- 320 x 240 dot resolution gray-scale (16 shades of gray) backlit Liquid Crystal Display (LCD). Optional 256-Color LCD display support available.
- Flush-mounted magnetic dip-style card reader.
- Fixed-head thermal printer designed for quiet operation.
- Modular design for easy maintenance.

NEW FEATURES

The version 4.1 release of terminal operating software provides significant enhancements to the capabilities of the 9640-series Cash Dispenser. These new features are summarized in the following paragraphs.

- ***Improved Monochrome Graphic Display Support***

The rendering of gray-scale images has been improved significantly. The availability of a more life-like rendering of monochrome graphics can make the use of these images a more appealing option in certain applications.

SECTION 2 - FEATURES

- **256-Color Ad Graphic Display Support**

ATM Software Release 4.1 delivers support for the new 256-color display feature of Triton Systems ATMs. Ad Graphic screens can now be displayed using a richer palette of 256 colors.

- **MAC Data Encryption Support**

ATM Software Release 4.1 implements support for the Message Authentication Code (MAC) data encryption protocol. This capability is typically referred to as “MAC-ing”. **NOTE: This feature is currently only available in the Triton Standard version of ATM Software Release 4.1. Also, the SPED option (described below) is required to support MACing.**

MACing Provides increased protection for message traffic to and from the ATM.

- **SPED PIN Entry Device Support**

The newest ATM EPROM upgrade, along with Software Release 4.1, support an optional feature of Triton Systems ATMs known as the Secure PIN Entry Device, or SPED. Note that the SPED option is required in order to support MACing. SPED is an encryption system that offers additional protection for the customer PIN during entry at the ATM keypad.

- **DATAPAK 3000 Communications Protocol Support**

ATM Software Release 4.1 is DATAPAK 3000 protocol-compliant. This new capability enables the ATM to interface with designated DATAPAK intermediaries (in the Canadian market region), who in turn provide connectivity to the appropriate transaction processor. **NOTE: This feature is only available for use in the Canadian market.**

DATAPAK 3000 connectivity is typically faster and more cost-effective than a direct dial-up connection between the ATM and the transaction processor.

STANDARD FEATURES OF THE MULTI-CASSETTE CASH DISPENSER

The following paragraphs provide descriptions of the standard features of the Cash Dispenser.

- **Close Scheduling**

This function enables the operator of the terminal to establish a time at which the terminal will automatically initiate a close operation with the processor. If only manual initiation of a close is desired, this feature can be turned off.

SECTION 2 - FEATURES

- ***Exit Message***

This feature allows a message to be displayed to the customer at the conclusion of a transaction. The content of the message is determined by the operator.

- ***Predial Capability***

By initiating the call to the processor immediately after the PIN is keyed in, the actual transaction, once selected, can be completed more quickly. If desired, the predial capability can be disabled, in which case the call to the processor will not be made until after the customer actually chooses a transaction.

- ***Alarm Thresholds***

NOTE: This feature must be used in conjunction with Triton Connect version 3.0 or later.

This feature enables the terminal to detect and automatically report the following conditions to a remote personal computer (PC) that is running Triton Connect (version 3.0 or later):

- 1.) The level of cash in the cassette has fallen below a pre-defined threshold.
- 2.) The number of journal entries has risen above a pre-defined threshold.
- 3.) Scheduled transfer of electronic journal data to a remote Triton Connect host computer.
This time can be set at the terminal or via Triton Connect

- ***Transaction and Account Type Configuration***

This feature enables the terminal operator to select the types of transactions (transfers or balance inquiries) or accounts (savings or credit card) that will be presented to the customer. This feature does not affect the availability of checking account withdrawal transactions, which are always presented.

- ***Electronic Journal***

The Cash Dispenser features a solid state electronic journal, instead of the traditional mechanical journal printer. The electronic journal is based on proven Triton technology and provides improved reliability and ease of use.

The details of each transaction are stored in the journal's memory, and can be retrieved at a later date. When needed, just the information desired can be recalled and a printout of the records made.

SECTION 2 - FEATURES

Normally, journal data is printed by the unit's receipt printer, but with the optional Triton Connect software package the information can be sent to a remote PC (Personal Computer) for storage and subsequent analysis.

The information in the electronic journal is maintained in a safe and secure environment. The journal is physically located in the lower security cabinet of the unit, making it as secure as the cash itself. Even after a transaction record has been printed to the receipt printer, it can still be read and printed again. Old records are retained in the electronic journal until 2045 records have been stored, at which time the journal must be printed or cleared.

The software on the terminal makes it easy to retrieve stored information as often as necessary. From the operator's standpoint, use of the journal is simple. All that is required of the operator is to do a *PRINT JOURNAL* command on a regular basis. Typically, the journal should be printed out whenever a *DAY CLOSE* is completed, although this is not a requirement.

When the *PRINT JOURNAL* command is selected, only the records acquired since the last *PRINT JOURNAL* command will be printed. Therefore, you don't have to keep track of what record was printed last, because the terminal does it for you.

If the printed copy of a group of records is accidentally lost or destroyed, or the receipt printer runs out of paper before completely printing a group of records, it is a simple matter to reprint them, since they remain stored in the journal (until overwritten, as explained earlier).

- ***Distributor EPROM Access With Challenge***

This feature provides increased security by allowing each distributor to select their own unique EPROM access code for each terminal they sell or service. Procedures for entering and changing the EPROM Access Code are contained in the Cash Dispenser Installation and Service Manual.

- ***Status Monitoring***

This feature (not available with all versions of the terminal's operating software) allows information about the operational status of the terminal to be provided to the processor. The feature is activated using the terminal's Management Functions.

- ***Language Option***

The Cash Dispenser has a screen language option. This option allows the terminal user to select a preferred language (such as Spanish) when beginning an ATM transaction.

SECTION 2 - FEATURES

- ***International Monetary Support***

This feature allows installation and service personnel to select one of a number of monetary symbols (such as C, ¢, \$, f, L, P_t, £, Q, ¥) that describe the type of currency that will be dispensed by the Cash Dispenser. The default symbol can be viewed and changed through the Management Functions.

- ***Six-Digit Amount Entry Fields***

U.S. domestic versions of the terminal operating software allow up to six digits to be entered in all fields where a cash amount is expected. Some international versions of the software allow extended field-lengths (see Extended Fields).

- ***Receipt Printer Paper Low Option***

This feature allows the end user to determine whether or not the terminal is allowed to continue processing transactions when the receipt printer paper is low.

- ***Quad-Port Module***

The Quad-Port Module is a serial interface board that provides four independently assignable and software configurable serial I/O ports. These ports are RS-232C compliant interfaces that can support baud rates through 33,600 baud.

The capabilities of the module are such that new Cash Dispenser features that require serial interfaces can readily be supported. The LED Sign is an example of an option that requires the Quad-Port Module.

- ***Memory Expansion Modules***

To take advantage of the new graphics handling features of the Cash Dispenser, the terminal must be equipped with at least one Memory Expansion Module. Memory Expansion Modules are available with the following memory capacity:

- 1 Megabyte (Part Number 09600-00004)
- 2 Megabytes (Part Number 09600-00031)
- 4 Megabytes (Part Number 09600-00032)

Two Memory Expansion Modules can be installed in slots four and five of the terminal's Electronic Enclosure.

SECTION 2 - FEATURES

Jumper Settings

Memory Expansion Modules have jumpers that must be installed in the right position to operate correctly. The Memory Expansion Module installed in slot 4 of the card cage must have the jumpers across pins 1 and 2 of J1 and J2. If a second Memory Expansion Module is installed, it will be put in slot 5 of the card cage. The jumpers on the second Module must be installed across pins 2 and 3 of J1 and J2.

Formatting a Memory Module

A Memory Expansion Module is formatted so that it is ready to accept downloaded files from the Triton Connect Host Computer. All Single-Cassette Cash Dispenser Memory Expansion Modules are shipped from the factory formatted. If it becomes necessary to format a Memory Expansion Module, it can be accomplished by two methods.

Formatting a Memory Expansion Module from a Triton Connect Host Computer

The first method uses Triton Connect to send a message to the terminal from the Triton Connect Host Computer that tells it to format a Memory Expansion Module. It uses the Reformat Memory Options found in the Ad Graphics/File Manager folder of the Terminal Parameters Option in the Triton Connect Terminal Manager to format the Module. There are separate options to format memory modules 1 and 2.

Formatting a Memory Expansion Module at the Local Terminal

The Memory Expansion Modules can also be formatted from the local terminal through the Management Functions. Refer to Section 5, Management Functions, for procedures.

- **AD Screens**

An Ad Screen is a promotional or advertising graphic that is displayed on the Cash Dispenser LCD screen. It is displayed alternately with the Customer Welcome screen graphic (while the terminal is idle) and while a customer transaction is being processed. Triton Connect Software Release 1.8 or higher is required to support the use of AD Screens.

Triton Connect has the ability to format 16-bit color graphics for use in AD Screens (this requires the optional 16-color LCD display), to format monochrome graphics for use in receipt printouts, and to create text-based messages.

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Once formatted, the graphics and text-based messages can be downloaded to a terminal by the Triton Connect host computer. The time of day a specific Ad Screen is displayed and the duration it will be displayed can also be controlled.

To display AD Screens a terminal must have at least one optional Memory Expansion Module installed. All Cash Dispensers can display text-based Ad Screens with no additional hardware.

- **Text-Based AD Screens**

Text-based AD Screens can be displayed to the customer while the terminal is performing a transaction. A maximum of four text-based ads can be displayed during the interval that the “Transaction Processing - Please Wait” message screen is being shown to the customer. Each ad consists of up to eight lines of text, and each ad can be displayed for an operator-specified duration. The messages are created and downloaded to the terminal using Triton Connect Software Release release 1.8 or above.

- **Receipt Printer Graphics**

Triton Connect Software Release 1.8 or higher allows a bit-mapped graphic image in “.bmp” format to be downloaded to the terminal. This graphic is printed on the receipt when the PRINTED GRAPHIC option is enabled through the Management Functions. This feature requires the addition of a Memory Expansion Module.

- **Prize Coupons Option**

The Cash Dispenser may be configured to award “prize coupons” to customers on a random chance or a withdrawal amount-determined basis. Coupons are awarded as printed messages presented to the customer on a separate receipt. The messages consist of four lines of text, with up to 40 characters in each line. The text of the message is entered from the terminal’s keypad.

There are two methods of awarding coupons. The RANDOM approach awards coupons randomly within a specified percentage range (such as 3% of transactions) set in the management Functions.

The LEVEL approach awards a coupon to each customer that withdraws an amount equal to or greater than a specific dollar value that is set in the Management Functions.



Figure 2-1. Prize Coupon.

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When a coupon is awarded, the cash dispenser beeps a distinctive tone, displays a message to alert the customer and prints a coupon after the money is dispensed (but before the customer receipt is printed). The prize coupon is printed on a separate receipt and a full cut is made between the coupon and the customer receipt.

- **Receipt Option**

This feature gives customers the option of receiving or not receiving a receipt after completing a withdrawal transaction. The factory default for the RECEIPT OPTION is disabled, meaning a receipt will always be issued after each withdrawal transaction.

If the RECEIPT OPTION is enabled, the customer is given the option of choosing to receive or not receive a printed receipt at the end of the withdrawal transaction. If the customer fails to make a choice, the receipt will be printed automatically after a 40-second delay.

- **Color Display Option**

The Cash Dispenser can be equipped with an optional 16-color LCD display. As with the standard gray-scale display, the customer is guided through a transaction by selecting various options from menus that are presented on the LCD. Additionally, the terminal has the capability of displaying promotional information (AD Screens) in color while it is idle or when the customer is waiting for a transaction to be completed.

- **Triton Connect™**

Triton Connect is an optional software package available through your service provider that facilitates remote data retrieval and monitoring of your Triton Systems Cash Dispenser. The advantages of this feature are reduced service calls and simplified terminal configuration changes, which in turn provides more immediate and economical service for you.

The Triton Connect software runs on a remote host computer, and uses standard dial-up telephone lines to access and monitor the terminal. Triton Connect operates by dialing up the terminal and retrieving its data.

The Triton Connect host computer can monitor your Cash Dispenser 24 hours a day, seven days a week, and can receive an incoming call *from the Cash Dispenser* if there is a system error or service is required.

The Terminal Configuration options in the Management Functions area enable you to activate or deactivate Triton Connect access to the terminal.

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Key information about the status of the terminal is collected and stored at a central location by your service provider. With this data, customer transaction reports can be developed that make it easy to monitor your Cash Dispenser's performance, schedule cash replenishment, and provide instant status for service dispatch should a problem occur.

- ***Extended Amounts***

The standard length of a currency amount entry field is 6 characters in U. S. domestic versions of the terminal operating software. In some international applications this length is insufficient to allow the entry of the full range of monetary values available in the local currency type. The Extended Amounts feature allows the selection of 12-character currency amount entry fields for those applications that require it.

Once selected, the Cash Dispenser can accept the entry of extended amounts for customer withdrawal and transfer transactions. The feature is activated using the terminal's Management Functions.

- ***LED Sign Option***

This option consists of a display panel and associated hardware and firmware that enables a Cash Dispenser to display messages and animated themes using a variety of special effects. The LED Sign is available in either Lowtopper or Hightopper versions.

The LED Sign requires version 3.0 (or higher) Terminal Software, a Quad-Port Module, and a version SD01.04 (or higher) EPROM. To control the LED Sign, you will need Triton Connect for Windows 95, version 1.9.1 or later. The LED Sign can also be operated using an optional hand-held infrared remote control.

Specific instructions for operating the LED Sign are contained in the Triton Connect User Manual, or the LED Sign Remote Control Operation Manual, as applicable.

- ***Date/Time Format***

This option allows the operator to select either MM/DD/YY or DD/MM/YY as the format the terminal will use when printing receipts and other reports.

- ***Dispense Counter***

This feature counts the number of bills that have been dispensed from the currency cassette and prints the total on the Receipt Printer Test report

SECTION 3
OPERATION AND SETUP

SECTION 3 - OPERATION AND SETUP

BASIC OPERATION

This chapter describes the basic operation and setup of the Cash Dispenser. The procedures are applicable to any of the Multi-Cassette Cash Dispensers in the model 9640/9641/9660/9661 product line.

MENU-BASED OPERATION

The Cash Dispenser operates as a menu driven system. Messages and menu options presented on the LCD display screen guide the user's actions. The desired menu option is selected by pressing one of the screen keys located to the left and right of the display (see Figure 3-2). For the purpose of security many screens *timeout* after a preset time interval, usually 30 seconds. The timeout length may vary depending on the function being performed.

When a screen timeout occurs, a screen is presented which asks the user if more time is needed. If the user chooses NO, the Customer Welcome screen will be presented. If YES is chosen, the user is returned to the function that was active prior to the timeout. If the user does not make a selection within an additional 30-second countdown period the Cash Dispenser will automatically go to the Customer Welcome screen.



Figure 3-1. The TOP MENU display.

When the unit is turned on, the dispenser will beep once and the Top Menu, shown in Figure 3-1, will appear on the display screen after a few seconds. From the Top Menu, you can either:

- 1.) Activate the Cash Dispenser to perform customer transactions by pressing the key next to CUSTOMER TRANSACTIONS.

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2.) Enter the Cash Dispenser system management area by pressing the key next to MANAGEMENT FUNCTIONS.

If you do not select a menu choice within 30 seconds the Cash Dispenser will automatically default to the Customer Welcome screen (a benefit of this feature is that in the event of a power interruption the terminal will automatically begin accepting customer transactions shortly after power is restored).

KEYPAD OPERATION

The user interface of the Cash Dispenser consists of the LCD display and 24 rubber keys on three keypads. The primary menu navigation keys are arranged in two four-key groups, one group on either side of the LCD display. The main keypad consists of 10 alphanumeric keys, two arrow keys and four large control keys, all located in a 16-key group beneath the LCD display.



Figure 3-2. Cash Dispenser Keypad.

All of the keys that a customer would use to conduct transactions have an integral raised Braille symbol to conform to the requirements of the Americans with Disabilities Act. To activate a key, press it until a beep is heard. If the key does not beep, it means that the key is not active for the current function, or the key was not pressed firmly enough.

The entry of numeric characters via the keypad is straightforward: simply press the desired key. However, in certain management function screens it may be necessary to enter alphabetic characters, a procedure that requires a little more explanation. On such screens a flashing cursor will be evident on the display, representing the location where the next character you enter will be displayed. To enter a letter or punctuation mark, you will first press the <BLUE> key, and then you will press the number that has the letter or other character you want.

Each of the numbered keys (<0> through <9>) has six characters available. See Figure 3-3, Alphanumeric Keypad, and Table 3-1, Keypad Characters. On most of these keys (<2> through <9>), the first three of the available characters are alphabetic, and are printed on the keycap above the number character. Two keys, the <0> and <1>, are different. The <0> key does not show any additional characters, while the <1> key shows two alphabetic characters ('QZ').

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Figure 3-3. Alphanumeric Keypad.

KEYPAD CHARACTERS						
	X1	X2	X3	X4	X5	X6
1	Q	Z	Space	~	!	@
2	A	B	C	#	\$	%
3	D	E	F	^	*	-
4	G	H	I	(	)	|
5	J	K	L	\	/	"
6	M	N	O	;	:	' Single Quote (Open)
7	P	R	S	?	<	>
8	T	U	V	[	]	ñ
9	W	X	Y	{	}	' Single Quote (Close)
0	,	.	-	&	=	+

Table 3-1. Keypad Characters.

The first character *on the first key (0-9) you press after the <BLUE> key* will be displayed at the current cursor position. Pressing the same key repeatedly will cycle the displayed letter through the available character choices for that key (X1-X6). When the desired character is displayed, press the <RIGHT ARROW> key to 'lock it in' and move the cursor to the next position. Repeat these steps to enter the next character.

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The <RIGHT ARROW> and <LEFT ARROW> keys are used in most alphanumeric data entry situations. The <LEFT ARROW> is used to back up and erase a character. The <RIGHT ARROW> is used to lock in a character. These keys will auto-repeat if held down for more than one second.

The <CHANGE> key can be used to clear an entry and start over. The <CANCEL> key will abort the current transaction.

The keys located beside the display are called the Screen Keys. They are used in the selection of menu functions. A Screen Key is only active when a function or menu option name is displayed beside the key.

CHANGING TO MANAGEMENT FUNCTIONS

You can enter the terminal MANAGEMENT FUNCTIONS main menu screen by performing any one of the three procedures listed below:

1. The Customer Welcome screen shows an animation of a hand inserting and removing a card, with a message describing how to begin a transaction. If this screen is being displayed, press and hold down the <BLUE> key; while holding down the <BLUE> key, press the <1> key. Release both keys. After a moment the Top Menu screen (shown in Figure 3-1) will be displayed. Select the MANAGEMENT FUNCTIONS option.
2. Reset the Cash Dispenser by pressing and releasing the Reset Switch found on the front panel of the Memory Module, which is located in the card cage inside the upper enclosure of the terminal. When the Top Menu is displayed select MANAGEMENT FUNCTIONS.
3. Remove and then reapply power to the terminal using the ON/OFF switch located on the right side of the card cage inside the upper enclosure of the terminal. When the Top Menu is displayed select MANAGEMENT FUNCTIONS.

The Top Menu allows you to choose one of two options, CUSTOMER TRANSACTIONS or MANAGEMENT FUNCTIONS. Selecting CUSTOMER TRANSACTIONS changes the display to the Customer Welcome screen so the Cash Dispenser is ready to perform customer transactions. Selecting MANAGEMENT FUNCTIONS opens the password screen, which in turn provides access to menus that are used for changing or viewing terminal parameters.

Whenever the MANAGEMENT FUNCTIONS choice is selected, the Cash Dispenser will ask for a password to be entered. For a first-time configuration, enter the default MASTER PASSWORD of '123456' on the keypad and then press the <OK> key. This 'default' password will be valid until it is changed.

SECTION 3 - OPERATION AND SETUP

****NOTE****

The operator of the Cash Dispenser must change the MASTER PASSWORD to a new number when the installation is complete.

The Top Menu serves an alternative purpose in the event of a machine malfunction or other error condition. Such conditions are normally reported by an “OUT OF SERVICE” message screen. The typical response to this message is to reset the Cash Dispenser. After resetting the Cash Dispenser the Top Menu screen will display any applicable status messages and error code numbers.

The two options presented in such instances will be RESET ERROR and MANAGEMENT FUNCTIONS. Press RESET ERROR to attempt to clear the error, or enter the MANAGEMENT FUNCTIONS area, as desired. See Section 8, Error Recovery, for more information.

INITIAL CASH DISPENSER CONFIGURATION

There are a number of configuration parameters that must be set when a Cash Dispenser is installed. These parameters do not need to be set in any particular order, but they **MUST** be entered into the Cash Dispenser to enable customer transactions to take place. Once they are set, they are retained internally, even when the Cash Dispenser is turned off.

Detailed procedures describing the step-by-step setup of each terminal parameter are located in Section 5 of this manual.

- ***Terminal Number***

The TERMINAL NUMBER is a unique string of alphanumeric characters (numbers and/or letters) that identifies your Cash Dispenser to the processor. The TERMINAL NUMBER is assigned to your Cash Dispenser by your processor

The TERMINAL NUMBER and TELEPHONE NUMBER **MUST** be set before the Cash Dispenser can go on-line and before the *communications key* can be downloaded.

- ***Telephone Number***

The Cash Dispenser communicates to your host processor over a dial up phone line. The phone number of the processor must be entered before live transactions can be performed.

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- **Surcharge Mode**

Some networks allow a surcharge, or terminal fee, to be imposed on withdrawal transactions. If surcharges are in use on your network, you are required to notify the customer of the possibility of an additional fee before the transaction is processed. The customer must be given a chance to cancel the transaction.

Setting the SURCHARGE MODE to ENABLED will cause the surcharge warning screen to be displayed after the customer's card is inserted. The surcharge warning screen notifies the customer of a possible fee and its amount. The customer is given the opportunity to cancel the transaction at no charge or to accept the surcharge and continue with the transaction.

If your network does not allow surcharges, the SURCHARGE MODE must be set to DISABLED.

The amount of the surcharge is stored in the Cash Dispenser and displayed to the customer. The SURCHARGE AMOUNT displayed on the screen can be set manually via the SURCHARGE AMOUNT menu. In some cases this value is downloaded from the processor at the same time the communications key is downloaded.

Manually changing the SURCHARGE AMOUNT to a different value does not automatically change the surcharge collected by the processor for a transaction. *It will only change the surcharge in the surcharge-warning message shown to the customer and NOT the actual fee collected for the transaction, so be sure the values are the same AND are accurate!*

- **Value (Multiple Amount)**

This is the value of the denomination of the cash in the currency cassette. It must be set to a value that is *at least 1/50th of the MAXIMUM AMOUNT*. For example, if the MAXIMUM AMOUNT is 500.00, then the MULTIPLE AMOUNT must be at least \$10.00 (\$20.00 would also work). A value of \$5.00, however, could not be used unless the maximum amount was set no greater than \$250.00 (\$5.00 X 50=250).

The factory default for the MULTIPLE AMOUNT is \$0.00.

- **MAC Master/Working Keys**

The MAC Master and Working keys are only used if an optional Secure Pin Entry Device (SPED) keypad has been installed and MAC-ing is being implemented.

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The MAC MASTER KEY is used to decrypt the MAC WORKING KEY. Each key is a 16-character string, consisting of a combination of the digits 0-9 and the letters A-F. The MAC MASTER KEY may be injected from a personal computer (using a special floppy disk), or entered manually at the keypad.

- ***PIN Master/Working Keys***

The PIN MASTER KEY is used to decrypt the PIN WORKING KEY. The Pin MASTER KEY was referred to as the MASTER KEY in previous versions of ATM operating software. The PIN WORKING KEY was referred to as the COMMUNICATIONS (COMMS) KEY. Each key is a 16-character string, consisting of a combination of the digits 0-9 and the letters A-F. The PIN MASTER KEY may be entered manually, or may be injected from a personal computer, using a special floppy disk. The PIN WORKING KEY may be entered manually or downloaded from the processor.

- ***Currency Data***

The CURRENCY DATA Function enables you to enter a seven-character string of parameters that describes the currency in a cassette. The parameter string consists of: 1.) Currency Code, 2.) Value and 3.) Variant Code. To ensure accurate note dispensing it is vital that the correct Currency Data for each cassette be entered during the initial setup of the Cash Dispenser! Remember to enter the Currency Data for each cassette before placing that cassette into service and whenever a new currency type, value, or denomination is used in a cassette.

ADDITIONAL SETUP PARAMETERS

In addition to the configuration parameters described in the previous paragraphs, there are several other parameters that will need to be entered into the Cash Dispenser to complete its setup. The procedures for setting each of these parameters are found in Section 5 of this manual. Some parameters are processor-specific and may not be available for all locations.

- ***Maximum Amount***

The maximum withdrawal limit must be entered into the Cash Dispenser before any transactions can be completed. This number is the largest dollar amount allowed for a single withdrawal transaction. The MAXIMUM AMOUNT may be set from \$1 to \$999 in increments of \$1 and must be set to a multiple of the denomination of the currency in the cassette. Factory default is set to \$500.00. The value must be a whole dollar amount only.

SECTION 3 - OPERATION AND SETUP

Whenever a withdrawal transaction is processed, the amount entered or selected is compared to the **MAXIMUM AMOUNT** parameter. If the entry is larger, an error message warns the user and displays the maximum allowable amount. Additionally, *the MAXIMUM AMOUNT cannot be more than 50 times greater than the denomination of the currency in the cassette.*

The **MAXIMUM AMOUNT** entered into the Cash Dispenser **DOES NOT** override any maximum set by a network. The transaction will be sent to the network if the amount entered or selected is less than the maximum. The network must still approve the requested amount.

- **Store Message**

The Store Message consists of up to four lines of text that are printed at the top of each receipt and report. This message is typically used to print the store name, address and phone number.

- **Marketing Message**

The Marketing Message consists of up to four lines of text that are printed at the top of each receipt and report (if a Store Message is used, the Marketing Message is printed below it). This message can be used for advertising purposes, sales notifications, promotions, or other purposes.

- **Surcharge Owner**

The name of the surcharge owner is stored in the terminal and printed on the receipt.

- **Terminal Owner**

The name of the Terminal Owner is stored in the terminal and displayed to the customer in the surcharge-warning message.

- **Welcome Message**

The Welcome Message consists of three lines of text that are displayed on the Customer Welcome screen.

SECTION 3 - OPERATION AND SETUP

- ***Language Option***

This feature allows the terminal operator to select the language that is displayed to the customer during a transaction, as well as the language in which the Management Functions are presented. A feature is also provided that gives the customer the option of selecting a preferred language. Also, some terminal software versions allow receipts to be printed using the non-English language choice.

- ***Receipt Option***

This feature allows the customer to select the option of receiving or not receiving a receipt at the completion of a transaction.

- ***Coupon Options***

Coupons are used for promotional purposes. The owner of the Cash Dispenser can use the Coupon Options feature to issue printed coupons from the receipt printer. Coupons are issued randomly (based on percentage) or whenever a customer uses the Cash Dispenser to withdraw more than a predetermined minimum amount of cash.

- ***Date/Time Format***

This option allows the operator to select either MM/DD/YY or DD/MM/YY as the format the terminal will use when printing receipts and other reports.

SETUP PARAMETERS LISTING

Table 3-2, Multi-Cassette Cash Dispenser Setup Parameters, lists all of the operator-configurable parameters accessible through the Management Functions. References to the specific pages in Section 5, Management Functions, are provided to help quickly locate the description and applicable setup instructions for each parameter. In most cases the factory default value of each parameter is also provided.

Although many of the parameters have been set at the factory, it is important to verify that the settings are appropriate. Certain default values are merely ‘place holders’ and should be changed to reflect the actual settings and values required. Review the table and take the time to make the necessary changes and updates as needed to ensure the terminal is completely setup, customized for its intended application, and ready to operate.

SECTION 3 - OPERATION AND SETUP

MULTI-CASSETTE CASH DISPENSER SETUP PARAMETERS							
FUNCTION/PARAMETER		FACTORY DEFAULT	PAGE NO.	FUNCTION/PARAMETER		FACTORY DEFAULT	PAGE NO.
CLOSE			CHANGE MESSAGES				
1	SCHEDULE CLOSE	OFF	5-7	23	MARKETING MESSAGE	*	5-62
2	CHANGE SCHEDULE	*	5-8	24	SURCHARGE MESSAGES	*	5-64
3	SEND TERMINAL TOTALS	OFF	5-9	25	WELCOME MESSAGE	*	5-65
4	ENTER QTY. IN CASSETTE	0	5-15	26	SURCHARGE OWNER	*	5-66
LANGUAGE / IDIOMA			27	CHANGE EXIT MESSAGE		*	5-67
5	ENGLISH/INGLES	*	5-32	28	STORE MESSAGE	*	5-68
6	SPANISH/ESPANOL	*	5-33	29	TERMINAL OWNER	*	5-69
7	ENABLE/DISABLE CUST. OPTION	DISABLED	5-34	SET TERMINAL PARAMETERS			
PASSWORD MAINTENANCE			30	SET TERMINAL #	NONE	5-71	
8	MASTER PASSWORD	123456	5-41	31	SURCHARGE PERCENT	0%	5-74
9	ADMINISTRATION PASSWORD	987654	5-42	32	LESSER/GREATER SELECTION	LESSER	5-74
PRINTER SETTINGS			33	ENABLE/DISABLE SURCHARGE	DISABLED	5-75	
10	SET PRINT LENGTH	35	5-45	34	SURCHARGE LOCATION	BEGINNING	5-76
11	LOW RECEIPT PAPER	OFF	5-46	35	BLOCK ISO'S	NONE	5-77
12	PRINTER GRAPHICS	DISABLED	5-47	36	SURCHARGE AMOUNT	\$0.00	5-79
RANDOM / LEVEL PRIZE COUPONS			CASSETTE SETUP				
13	ENTER LEVEL PRIZE MESSAGE	NONE	5-50	37	RELEARN BILL THICKNESS	*	5-81
14	ENTER RANDOM PRIZE MESSAGE.	NONE	5-51	38	INTERNATIONAL CURRENCY	*	5-82
15	ENABLE/DISABLE COUPON AWARD	DISABLED	5-52	39	MAXIMUM AMOUNT	\$500.00	5-83
16	SET LEVEL PRIZE AMOUNT	\$0.00	5-53	40	MAX. NON-CASH	\$0.00	5-84
17	SET RANDOM WINNING %	0%	5-54	41	EXTENDED AMOUNT	DISABLED	5-85
18	SELECT LEVEL COUPON CASS.	NONE	5-56	42	SET BILL DIMENSION	*	5-87
19	SELECT RANDOM COUPON CASS.	NONE	5-57	43	VALUE	*	5-88
20	ENABLE/DISABLE COUPON AWARD	DISABLED	5-58	44	TYPE	CASH	5-89
21	SET LEVEL PRIZE AMOUNT	\$0.00	5-59	45	SERVICE	IN SERVICE	5-90
22	SET RANDOM WINNING %	0%	5-60	46	CURRENCY DATA	*	5-91

*REFER TO SECTION 5, MANAGEMENT FUNCTIONS, FOR INFORMATION ON THE FACTORY DEFAULTS FOR THESE FUNCTIONS.

SECTION 3 - OPERATION AND SETUP

MULTI-CASSETTE CASH DISPENSER SETUP PARAMETERS							
FUNCTION/PARAMETER		FACTORY DEFAULT	PAGE NO.	FUNCTION/PARAMETER		FACTORY DEFAULT	PAGE NO.
47	DESCRIPTION	NONE	5-94	67	BACKUP NUMBER (TRITON CONNECT)	NONE	5-127
48	FAST CASH AMOUNT	*	5-97	68	PRIMARY ALARM NUMBER (TRITON CONNECT)	NONE	5-128
49	ENTER MAC MASTER KEY	*	5-99	69	BACKUPALARM NUMBER (TRITON CONNECT)	NONE	5-129
50	ENTER PIN MASTER KEY	*	5-101	70	ENABLE/DISABLE CALLBACK	ENABLED	5-130
51	INJECT MASTER KEYS	*	5-103	71	ENABLE/DISABLE TRITON CONNECT	DISABLED	5-131
52	ENTER MAC WORKING KEY	*	5-104	72	STATUS MONITORING	DISABLED	5-133
53	ENTER PIN WORKING KEY	*	5-106	73	HEARTBEAT MESSAGE	*	5-134
54	DOWNLOAD WORKING KEYS	*	5-108	74	AD SCREENS	DISABLED	5-137
55	PRIMARY NUMBER (TELEPHONE)	NONE	5-110	75	ENABLE/DISABLE COMMUNICATION HEADER	DISABLED	5-138
56	BACKUP NUMBER (TELEPHONE)	NONE	5-111	76	CHANGE COMMUNICATION HEADER	*	5-138
57	DATAPAK ACCESS CODE	*	5-112	77	ALARM THRESHOLDS	OFF	5-141
58	PREDIAL ON/OFF	OFF	5-113	78	SET LOW CASH THRESHOLD	0	5-141
59	COMPUSERVE ID	*	5-114	79	SET JOURNAL THRESHOLD	0	5-142
60	DIAL MODE	DTMF	5-116	80	SET SCHEDULED JOURNAL	0	5-143
61	DIAL RATE	FAST	5-117	81	VIEW/MODIFY OPTIONS	*	5-144
62	BAUD RATE	1200	5-118	TERMINAL CONFIGURATION			
63	MODEM SETUP STRING	*	5-119	82	SET DATE FORMAT	MM/DD/YY	5-149
MORE TERMINAL PARAMETERS				83	SET DATE	N/A	5-151
64	ADJUST VOLUME/CONTRAST	*	5-122	84	SET TIME	N/A	5-152
65	RECEIPT OPTION	DISABLED	5-125	85	TRANSACTION TYPES	ON	5-153
66	PRIMARY NUMBER (TRITON CONNECT)	NONE	5-126	86	ACCOUNT TYPES	ON	5-154
*REFER TO SECTION 5, MANAGEMENT FUNCTIONS, FOR INFORMATION ON THE FACTORY DEFAULTS FOR THESE FUNCTIONS.							

SECTION 4
HANDLING CASSETTES

SECTION 4 - HANDLING CASSETTES

DISPENSING MECHANISM

The Multi-Cassette Cash Dispensers discussed in this manual use a *friction-feed* dispensing mechanism to store and deliver notes and other media to the customer. The mechanism is located in the lower security container of the unit. It holds multiple Note Cassettes and a single Reject Cassette.

Under software control, the dispensing mechanism delivers the appropriate number of notes from the Note Cassettes to fulfill a customer's withdrawal request. The purpose of the Reject Cassette is to accept and hold notes that have been transferred from the Note Cassettes but not dispensed. Some situations that could cause the mechanism to reject notes are:

- Multiple notes stuck together
- Note width too short or long
- Notes skewed in feed path
- Notes too close together in feed path
- Notes not claimed by customer (after a preset timeout the mechanism will retract the notes and send them to the reject cassette).

The mechanism is able to reject *single notes* or *bundles*. A bundle reject occurs when more than one note is rejected at the same time. There are two compartments within the Reject Cassette to keep notes in these two categories separated. The top compartment within the cassette can hold a maximum of 200 bundle-notes; the lower compartment can hold up to 50 single-note rejects.

IMPORTANT! The first time the dispenser is set up, or if a new Note Cassette is installed, the mechanism will enter a learning mode, during which it will reject 7-15 notes as it learns the thickness of the currency or other media. With multiple cassettes installed the number of test rejects could almost fill the single-note compartment of the Reject Cassette. In such cases, it is recommended that you remove any rejected notes from the unit before placing the Cash Dispenser back into service.

MEDIA CONDITION

If possible, store currency at room temperature for at least eight hours before dispensing from the cassettes.

The number of rejects can be directly influenced by the technique used to load the cassettes and the quality of the currency. Notes loaded into the mechanism cassettes must be in "fit" condition if a high level of performance (low reject and failure rate) is expected from the unit. "Fit" notes are defined as those that do not possess any of the defects listed here:

SECTION 4 - HANDLING CASSETTES

Used Notes

- Adhesive or “sticky” substances on the surface of the paper.
- Tears extending more than 1/2” from the edge of the currency.
- Tears, holes, or missing sections in the body of the currency.
- Tape on the surface of the currency used for repairing, patching or any other purpose.
- Staples, pins, or any other foreign body attached to the notes.
- Corner folds of a size greater than 1/2” on either axis.
- Two or more notes joined by any means.
- Excessively crumpled or crinkled.

New or Uncirculated Notes

- All the conditions listed for used notes.
- Excessive bowing due to conditions of packing and storing.
- New or uncirculated currency must be “burst” and fully separated prior to loading into cassettes.

PREPARING NOTES

Use the following procedures to prepare notes before inserting them into a Note Cassette.

Used Notes

- Remove the band around each bundle of notes.
- Remove foreign objects (e.g. pins, paper clips, crumbs, etc).
- Remove torn or very worn notes.
- Straighten any folded notes.

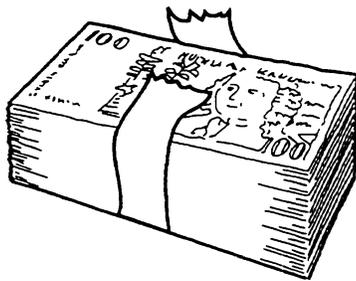


Figure 4-1. Removing Band.

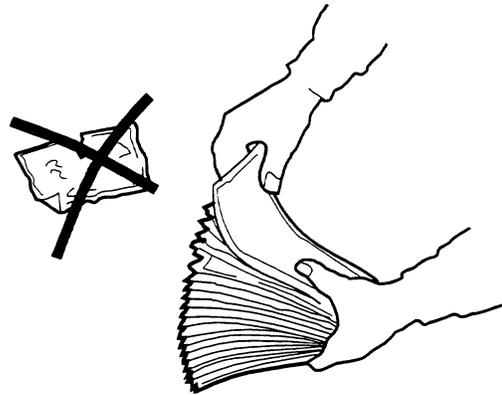


Figure 4-2. Removing Torn/Worn Notes.

SECTION 4 - HANDLING CASSETTES

New or Uncirculated Notes

Remove the band around each bundle of notes. Separate the notes from each other by:

- **Striking** the bundle hard against the edge of a table or similar object.
- **Flipping** through each bundle of notes in both directions at each end.
- Using a **Note Counter**.

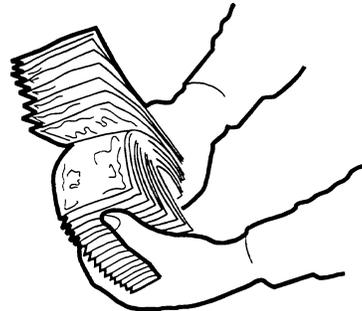


Figure 4-3. Flipping Bundle Ends.

REMOVING NOTE CASSETTES

1. UNLOCK the cassettes, using the Cassette Lock/Unlock procedure in Section 5, Management Functions.
2. Open the combination lock on the security container door and open the door to gain access to the dispensing mechanism. NOTE: On front-access units, you will open the outer fascia panel to gain access to the security container door, using the key lock on the front of the panel.



Figure 4-4. Outer Fascia Panel.



Figure 4-5. Security Container, Closed.



Figure 4-6. Security Container, Opened.

SECTION 4 - HANDLING CASSETTES

- To remove the selected Note Cassette, grasp the cassette handle with one hand while holding the mechanism in place with the other hand (See Figure 4-2). Pull the cassette out slightly. Place one hand underneath to support the cassette as you slide it completely out of the unit.

*****CAUTION*****

The “throat” assembly on the mechanism is not a load bearing structure! Do not grasp or apply any pressure to the throat.



Figure 4-7a. Cassette Removal.



Figure 4-7b. Cassette Removal.



Figure 4-7c. Cassette Removal.



Figure 4-7d. Cassette Removal.

SECTION 4 - HANDLING CASSETTES

Continue to support the bottom of the cassette to keep it level as you place it on a table or other flat surface. The loading arm should then be folded down, which will raise the rear of the cassette and allow gravity to help keep the notes neatly stacked during the loading process.



Figure 4-8. Cassette Loading Arm Down.

OPENING NOTE CASSETTES

1. Insert the key into the cassette lock. To unlock the cassette, apply inward pressure on the key while turning it clockwise to the stop position (approximately a quarter-turn). Open the cassette by simultaneously pressing the release button and lifting the lid. Flip the lid back fully, allowing it to rest on the table or other flat surface.

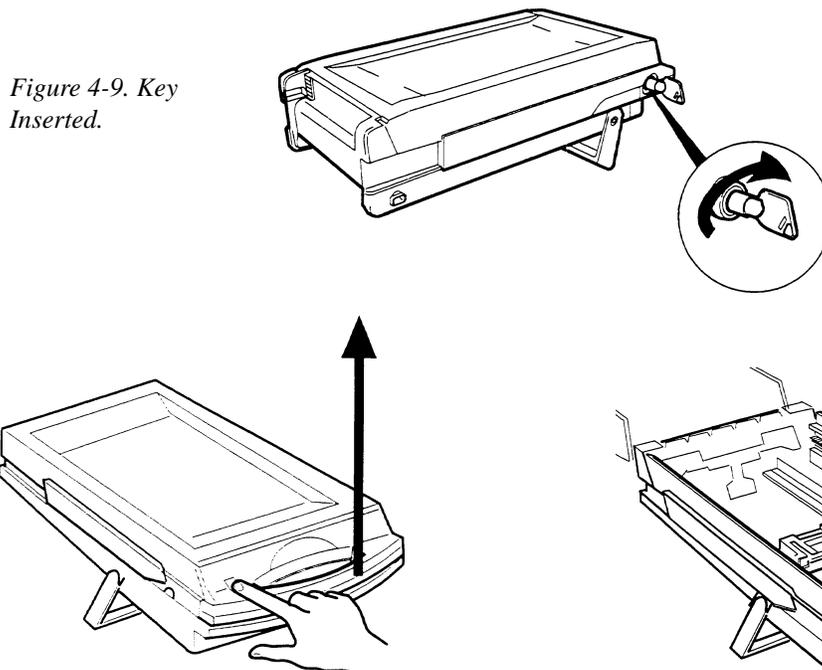


Figure 4-9. Key Inserted.

Figure 4-10. Release Button.

Figure 4-11. Lid Open and Pusher Plate Back.

2. Move the pusher plate to the rear of the cassette (toward the handle). Ensure the pusher plate is fully back. It should stay in this position.

SECTION 4 - HANDLING CASSETTES

LOADING NOTE CASSETTES

1. Load the cassette with currency. The shape of some notes may be affected by conditions of storage or bundling, preventing them from forming neat, even piles. If not corrected, such conditions may cause notes to be rejected by the dispensing mechanism. To compensate for the most common conditions of *slanting* or *cupped* note piles, follow the directions given here. Notes with no apparent shape problems are referred to as “common” notes.

- *Slanting pile*

To avoid dispensing problems caused by a “slanting” pile, put the notes in neat bundles of no more than ½ to ¾ inches in thickness. Turn every other bundle around to minimize slanting of the pile.

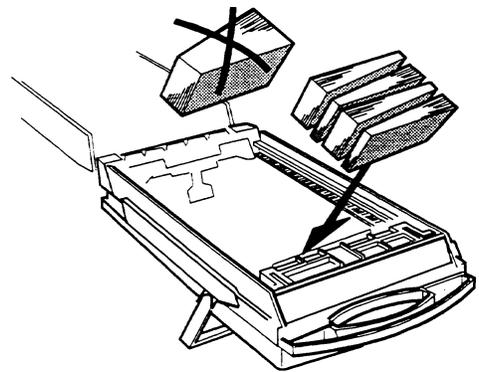


Figure 4-12. Slanted Piles.

- *Cupped bundle*

To avoid dispensing problems caused by cupped bundles, turn all the bundles with the cupped side towards the dispense opening.

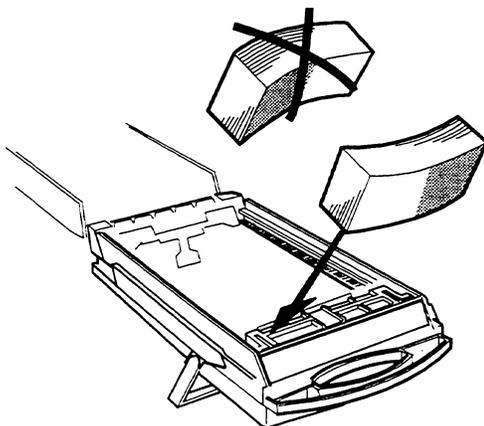


Figure 4-13a. Cupped Bundle.

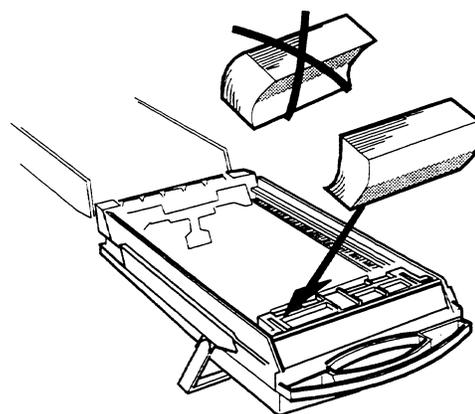


Figure 4-13b. Cupped Bundle.

- *Common notes*

Place the prepared bundles in the cassette.

SECTION 4 - HANDLING CASSETTES

1. Level the note pile. Compress the note pile slightly by hand. Single notes must not protrude from the bundle.

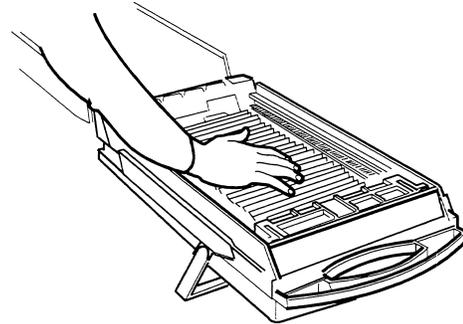


Figure 4-14. Leveling Note Pile.

2. Move the pusher plate against the notes with just enough pressure to hold the notes in the correct position when closing the lid and inserting the cassette into the mechanism.

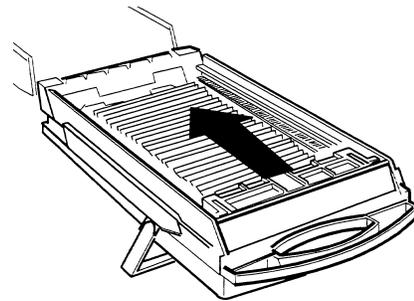


Figure 4-15. Moving Pusher Plate Against Notes.

3. Close the cassette lid. Fold the lid down to its locked position. The release button should “pop” out, allowing the lid to mate cleanly with the body of the cassette. You may need to “tap” the lid firmly along the front edge to achieve this. Turn the key counter-clockwise to lock the cassette.

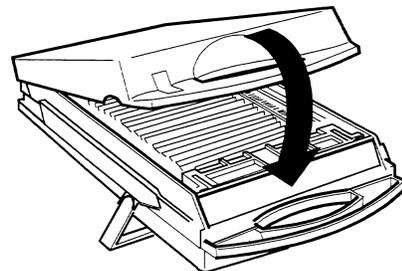


Figure 4-16. Closing Lid.

INSTALLING NOTE CASSETTES

Using the reverse of the steps used to remove the Note Cassette from the mechanism, slide the Note Cassette into its slot in the mechanism. Keep the cassette level as you load it, and make sure the cassette is fully inserted. Once all cassettes have been filled and replaced, they are ready to be LOCKED into position using the Cassette Lock/Unlock function (see Section 5, Management Functions, for the appropriate procedure). **IMPORTANT: Ensure the MULTIPLE AMOUNT parameter matches the denomination of currency in each Note Cassette! See the procedure for using the VALUE function to set this parameter, in Section 5, Management Functions.**

SECTION 4 - HANDLING CASSETTES

REMOVING THE REJECT CASSETTE

1. UNLOCK the cassettes, using the Cassette Lock/Unlock procedure in Section 5, Management Functions.
2. Open the outer fascia panel of the security container, using the key lock on the front of the panel. Open the combination lock on the security container door and open the door to gain access to the dispensing mechanism.

IMPORTANT! If you remove the Reject Cassette with power applied, the terminal will sense this and automatically reset the rejected note count to ZERO. Therefore, to ensure an accurate rejected note count *NEVER REMOVE THE REJECT CASSETTE WITH POWER APPLIED WITHOUT CHECKING FOR AND REMOVING ANY REJECTED NOTES.*

3. To remove the Reject Cassette, grasp the cassette handle with one hand while holding the mechanism in place with the other hand. Pull the cassette out slightly. Place one hand under neath to support the cassette as you slide it completely out of the unit. Place it on a level surface.



Figure 4-17a. Removing the Reject Cassette.



Figure 4-17b. Removing the Reject Cassette.



Figure 4-17c. Cassette Removed.



Figure 4-17d. Reject Cassette Ready to Open.

SECTION 4 - HANDLING CASSETTES

OPENING THE REJECT CASSETTE

1. Insert the key into the cassette lock. To unlock the cassette, apply inward pressure on the key while turning it clockwise to the stop position (approximately a quarter-turn). Open the cassette by simultaneously pressing the release button and lifting the lid. Flip the lid back fully.

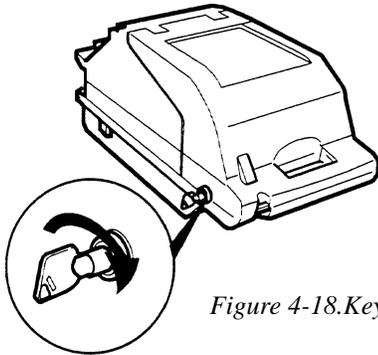


Figure 4-18. Key Inserted.

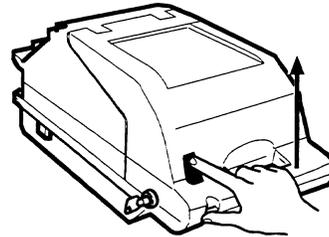


Figure 4-19. Opening Lid.

2. The Reject Cassette is now open for collecting any rejected bundle notes. These will be present in the folding tray. After retrieving any rejected bundle notes, lift the folding tray and check underneath for any rejected single notes.

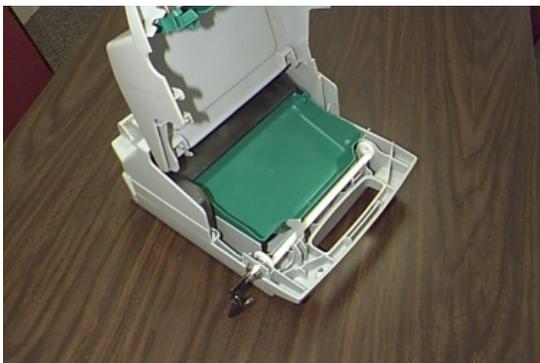


Figure 4-20. Bundle Reject Tray.

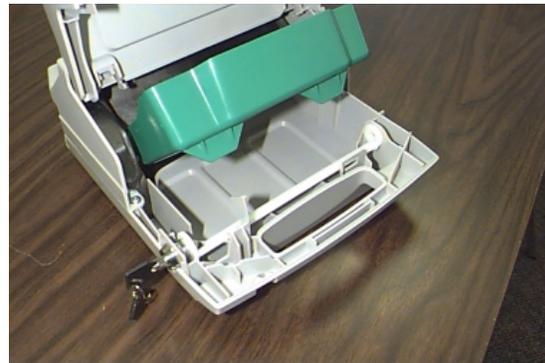


Figure 4-21. Single Reject Compartment.

3. After removing any rejected notes, close the cassette lid. Fold the lid down to its locked position. The release button should “pop” out, allowing the lid to mate cleanly with the body of the cassette. Turn the key counter-clockwise to lock the cassette.

INSTALLING THE REJECT CASSETTE

Using the reverse of the steps taken to remove the Reject Cassette, slide the Reject Cassette back into its slot in the mechanism. Make sure the cassette is fully inserted. LOCK all cassettes into position using the Cassette Lock/Unlock function (see Section 5, Management Functions).

SECTION 5
MANAGEMENT FUNCTIONS

SECTION 5 - MANAGEMENT FUNCTIONS

INTRODUCTION

This section describes the MANAGEMENT FUNCTIONS available for controlling the Cash Dispenser. When the CUSTOMER WELCOME screen is displayed, you can access the MANAGEMENT FUNCTIONS menu by following the procedure described next.

ACCESSING THE MANAGEMENT FUNCTIONS MENU

- 1.) Press and hold down the <BLUE> key; while holding down the <BLUE> key, press the <1> key. Release both keys. After a moment the Top Menu will be displayed.
- 2.) At the Top Menu (see figure below), select MANAGEMENT FUNCTIONS.

The TOP MENU Screen.



- 3.) Enter the MASTER or ADMINISTRATION password at the Password Entry display (see figure below). The factory default MASTER PASSWORD is '123456'. The factory default ADMINISTRATION PASSWORD is '987654'.

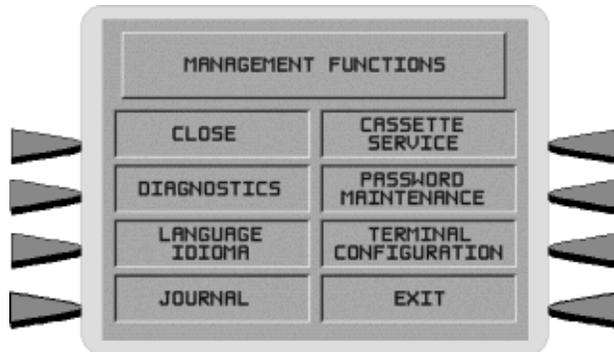
The PASSWORD entry screen.



When a valid password is entered, the MANAGEMENT FUNCTIONS menu (see the figure on the next page) will be displayed. Once you have entered the MANAGEMENT FUNCTIONS Menu you may perform any of the functions allowed by the type of password used.

SECTION 5 - MANAGEMENT FUNCTIONS

The MANAGEMENT FUNCTIONS Screen.



The ADMINISTRATION password allows access to a limited group of functions such as CLOSE, DIAGNOSTICS, etc. The MASTER PASSWORD allows access to all functions performed with the ADMINISTRATION password plus access to the Cash Dispenser configuration functions.

Each MANAGEMENT FUNCTION description will include the function name, instructions for accessing the function, a factory default value (if applicable) and any error conditions associated with the use of the function.

FUNCTION AVAILABILITY

Some function screens or options described on the following pages may be present but not accessible on your Cash Dispenser. In these cases when you attempt to access the function you will receive a message informing you that the feature or hardware required to support it is not available.

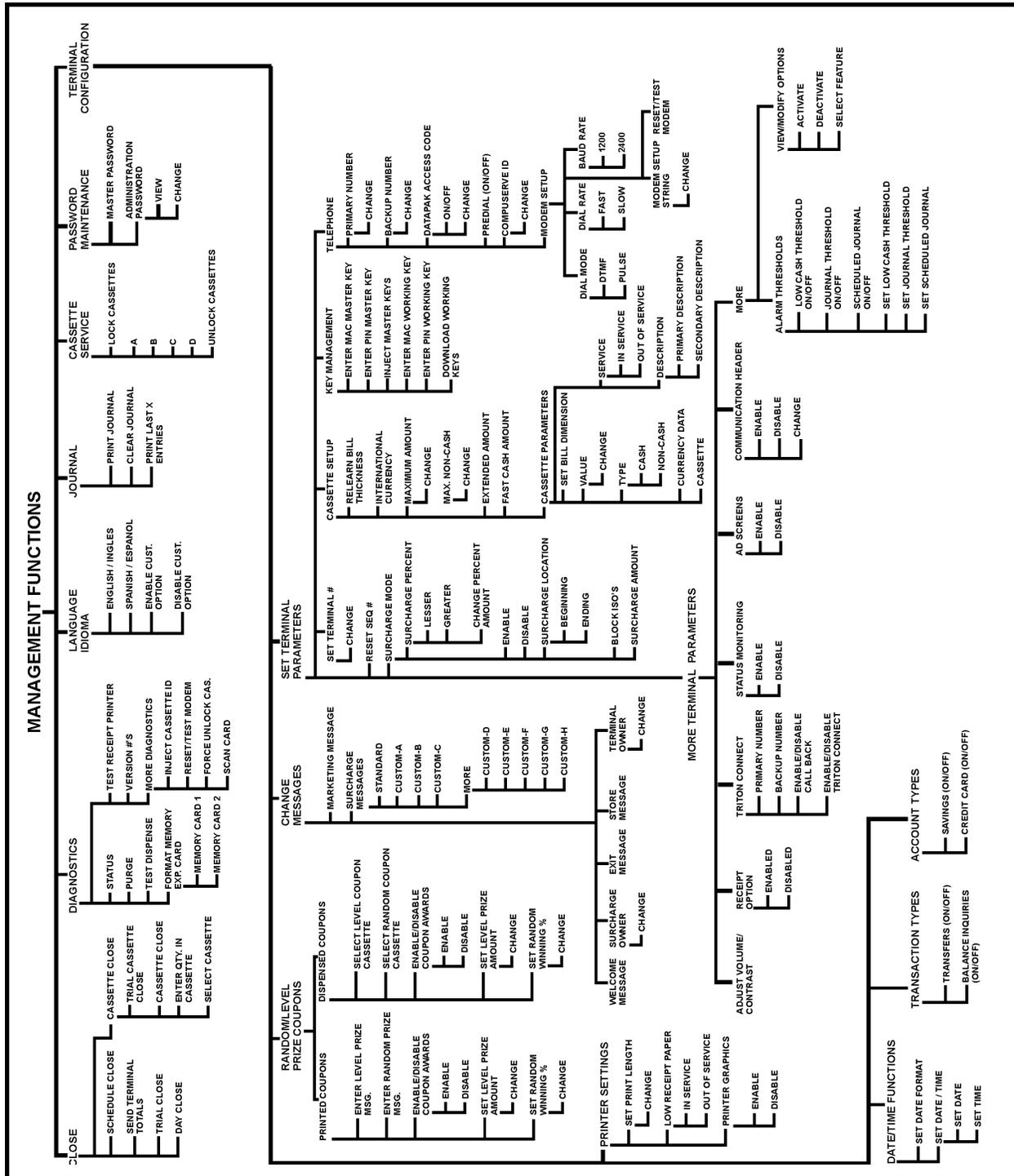
In other cases a function screen or option described here may not even be present in the Management Functions for your particular Cash Dispenser. In such cases this is because the function is not available in the version of terminal operating software currently loaded in the unit.

You may also notice that the factory default values for some functions on your terminal may differ from the values shown in this manual. Again, this is because versions of the terminal operating software customized for a particular processor may require non-standard default values for some parameters.

MANAGEMENT FUNCTIONS CHART

The chart on the next page shows the organization of the various Management Functions. You can use this chart to quickly navigate to a particular function, or simply to see how functions are grouped and related together at different “levels” of the menu structure.

SECTION 5 - MANAGEMENT FUNCTIONS



Management Functions Chart

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MANAGEMENT FUNCTIONS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

Select the MANAGEMENT FUNCTIONS option from the Top Menu (see page 5-2 for instructions on how to access the Top menu).

MANAGEMENT FUNCTIONS	
CLOSE	CASSETTE SERVICE
DIAGNOSTICS	PASSWORD MAINTENANCE
LANGUAGE IDIOMA	TERMINAL CONFIGURATION
JOURNAL	EXIT

DESCRIPTION:

The MANAGEMENT FUNCTIONS menu allows the terminal operator to access the following functions:

- 1.) CLOSE
- 2.) DIAGNOSTICS
- 3.) LANGUAGE/IDIOMA
- 4.) JOURNAL
- 5.) CASSETTE SERVICE
- 6.) PASSWORD MAINTENANCE
- 7.) TERMINAL CONFIGURATION

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CLOSE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

Select the CLOSE option from the MANAGEMENT FUNCTIONS screen to view the options available from the SELECT CLOSE FUNCTION menu.

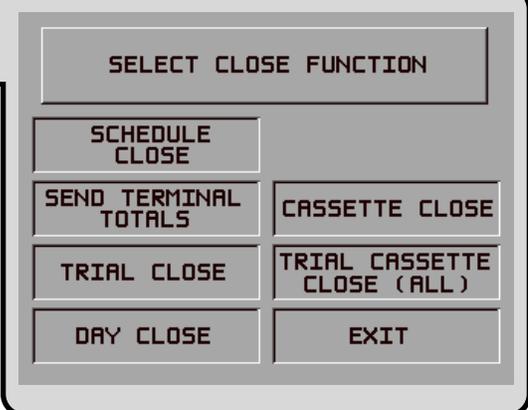
DESCRIPTION:

The SELECT CLOSE FUNCTION menu allows the terminal operator to perform the following functions:

- 1.) SCHEDULE CLOSE
- 2.) SEND TERMINAL TOTALS
- 3.) TRIAL CLOSE
- 4.) DAY CLOSE
- 5.) CASSETTE CLOSE
- 6.) TRIAL CASSETTE CLOSE (ALL)

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



The screenshot shows a terminal screen with a menu titled "SELECT CLOSE FUNCTION". The menu contains the following options:

SELECT CLOSE FUNCTION	
SCHEDULE CLOSE	
SEND TERMINAL TOTALS	CASSETTE CLOSE
TRIAL CLOSE	TRIAL CASSETTE CLOSE (ALL)
DAY CLOSE	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SCHEDULE CLOSE

FACTORY DEFAULT: OFF

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select SCHEDULE CLOSE.

SCHEDULE CLOSE

SCHEDULE CLOSE OFF

CHANGE SCHEDULE

EXIT

DESCRIPTION:

This function allows you to turn on or off the SCHEDULE CLOSE feature. It also provides access to the CHANGE SCHEDULE function, which allows you to specify the time of day when a CLOSE process will be automatically initiated (if the SCHEDULE CLOSE feature is turned ON). When the feature is turned OFF, the close procedure must be initiated manually.

The current state of the SCHEDULE CLOSE feature is shown as either ON or OFF in the label on the left-hand side of the display. Press the button next to this label to toggle the state of the feature between ON and OFF.

NOTE: The close information will be written to the Electronic Journal, allowing it to be printed out, or retrieved by a remote computer equipped with Triton Connect software (version 3.0 or later).

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CHANGE SCHEDULE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select SCHEDULE CLOSE.
- 3.) Select CHANGE SCHEDULE.

TIME SET

HH:MM:SS XM BACKSPACE-->
 CLEAR-->
 QUIT-->
 SET TIME-->

DESCRIPTION:

This function is used to set the time, in hours and minutes, at which the terminal will automatically initiate contact with the processor and perform a close operation. The time is entered in the form 'HH:MM:SS' (hours, minutes, seconds). Do not enter the ':' characters separating the fields, just the fields themselves. Press CLEAR to erase everything and start over. Press the BACKSPACE key to back up and erase a single character. Press QUIT to escape without doing anything. Press SET TIME to load the entered time into the clock.

The Cash Dispenser will not let you enter an invalid number for hours or minutes. The clock will properly handle the rollover to the year 2000.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SEND TERMINAL TOTALS

FACTORY DEFAULT: OFF

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select SEND TERMINAL TOTALS.

REPORT TERMINAL TOTALS

WHEN THIS FUNCTION IS ON THE TERMINAL TOTALS WILL BE SENT TO THE HOST DURING A CLOSE PROCEDURE.

REPORT TOTALS

OFF

EXIT

DESCRIPTION:

This function allows you to turn on or off the REPORT TERMINAL TOTALS feature. When the feature is turned ON, the terminal will send accumulated totals information to the processor during the close operation. Terminal totals include the total value of all withdrawal, inquiry and transfer transactions that have occurred since the last close operation (see the description of the DAY CLOSE function for additional information).

The current state of the SEND TERMINAL TOTALS feature is shown as either ON or OFF in the label on the left-hand side of the display. Press the button next to this label to toggle the state of the feature between ON and OFF.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TRIAL CLOSE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTIONS screen.
- 2.) Select TRIAL CLOSE.

SELECT CLOSE FUNCTION

SCHEDULE CLOSE	
SEND TERMINAL TOTALS	CASSETTE CLOSE
TRIAL CLOSE	TRIAL CASSETTE CLOSE (ALL)
DAY CLOSE	EXIT

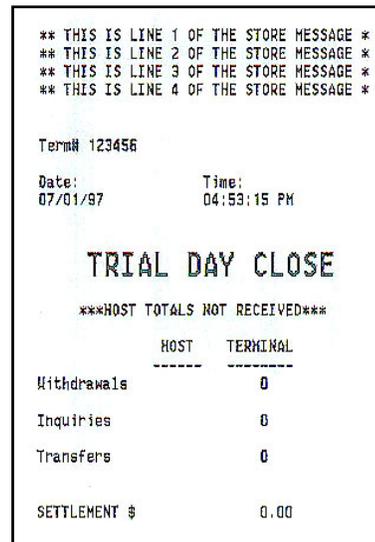
DESCRIPTION:

The TRIAL CLOSE function is used during the daily close procedure. It does the same thing as DAY CLOSE, except that the totals are not cleared.

The report printed by the TRIAL CLOSE is used to balance your Cash Dispenser before you actually balance with your processor. It contains information obtained from the processor and information that is obtained from the terminal itself.

Typically, you would do a TRIAL CLOSE to get the totals from the Cash Dispenser.

The report shows the total number of customer transactions (Withdrawals, Inquiries and Transfers) recorded by the host processor and the terminal since the last Day Close was performed. The two-column format allows the host and terminal totals in each category to be easily compared. The 'Settlement \$' value is the host processor's record of the total currency dispensed from the terminal since the last Day Close was performed.



Sample TRIAL DAY CLOSE receipt.

ERROR CONDITIONS:

A call to the processor host computer is required to complete the operation. If the call to the host is not completed successfully, a warning (***HOST TOTALS NOT RECEIVED***) will be printed on the report.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DAY CLOSE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTIONS screen.
- 2.) Select DAY CLOSE.

SELECT CLOSE FUNCTION

SCHEDULE CLOSE	
SEND TERMINAL TOTALS	CASSETTE CLOSE
TRIAL CLOSE	TRIAL CASSETTE CLOSE (ALL)
DAY CLOSE	EXIT

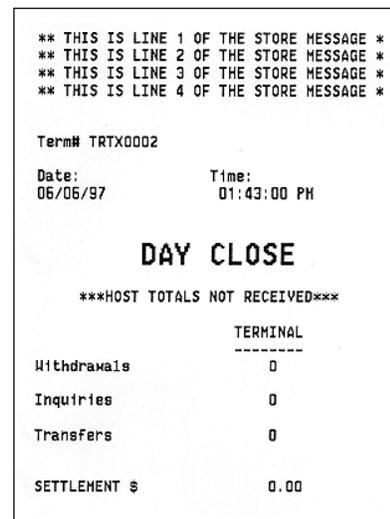
DESCRIPTION:

The DAY CLOSE Function is used to complete daily balancing of the Cash Dispenser with the processor. The DAY CLOSE is performed to clear the totals and switch to the next business day. This function prints a report summarizing all of the activity done by the Cash Dispenser since the last DAY CLOSE was completed. The information includes a total of all transactions.

This function also calls your host processor's computer and commands it to download the totals it has accumulated for the current business day.

The DAY CLOSE is normally completed as the final step in the daily balancing process. The DAY CLOSE report is printed to the receipt printer. The TRIAL CLOSE function does the same thing as the DAY CLOSE, except that the totals are not cleared. See the TRIAL CLOSE function for more information.

NOTE: If the DAY CLOSE is not performed at the same time as the processors' day close, the host and terminal totals may not match.



Sample DAY CLOSE receipt.

ERROR CONDITIONS:

A call to the processor host computer is required to complete the operation. If the call to the host is not completed successfully, a warning (**HOST TOTALS NOT RECEIVED**) will be printed on the report.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CASSETTE CLOSE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTIONS screen.
- 2.) Select CASSETTE CLOSE.

DESCRIPTION:

The CASSETTE CLOSE option is used to perform cassette-specific close operations. When the CASSETTE CLOSE option is selected, a cassette selection screen (see the description of the SELECT CASSETTE function for more information) is presented which allows the operator to select the specific cassette which will be the focus of the close operations. The cassette selection screen is followed by the cassette close options screen. The CASSETTE CLOSE option screen provides access to the following functions:

- 1.) TRIAL CASSETTE CLOSE
- 2.) CASSETTE CLOSE
- 3.) ENTER QTY. IN CASSETTE
- 4.) SELECT CASSETTE

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



CASSETTE:D	
TRIAL CASSETTE CLOSE	SELECT CASSETTE
CASSETTE CLOSE	
ENTER QTY. IN CASSETTE	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TRIAL CASSETTE CLOSE

CASSETTE : D

TRIAL CASSETTE CLOSE	SELECT CASSETTE
CASSETTE CLOSE	
ENTER QTY. IN CASSETTE	EXIT

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

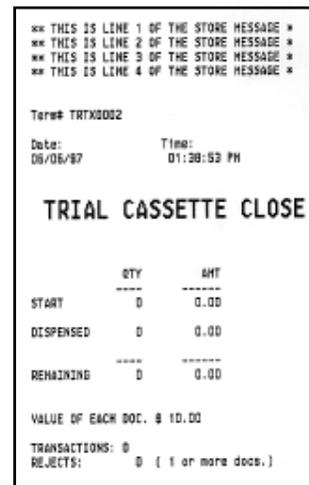
- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select CASSETTE CLOSE. Choose a cassette (A, B, C, or D).
- 3.) Select TRIAL CASSETTE CLOSE.

DESCRIPTION:

Selecting this function prints a receipt summarizing activity on the cassette since the last CASSETTE CLOSE was performed. The totals are not cleared (set to zero) or reported to the host during a trial cassette close.

The following information is provided:

- 1.) **START.** Includes the starting quantity of notes in the cassette, and the total value of this quantity.
- 2.) **DISPENSED.** Shows the number of notes that have been dispensed and the value of this quantity of notes.
- 3.) **REMAINING.** Shows the number of notes remaining in the cassette, and the total value of these notes.
- 4.) **VALUE OF EACH DOC.** The denomination of the notes in the cassette.
- 5.) **TRANSACTIONS.** The number of transactions that have occurred since the last.
- 6.) **REJECTS.** The number of reject events. Rejects can involve more than a single note per event.



Sample TRIAL CASSETTE CLOSE receipt.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CASSETTE CLOSE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select CASSETTE CLOSE. Choose a cassette (A, B, C, or D).
- 3.) Select CASSETTE CLOSE.



DESCRIPTION:

The CASSETTE CLOSE function is used to complete the balancing of a specific currency cassette of the Cash Dispenser. This function prints a report summarizing all activity on the Cash Dispenser for the selected cassette since the last CASSETTE CLOSE was completed. The report includes a total of all transactions.

The CASSETTE CLOSE is normally completed as the final step in balancing the currency cassette before removing it to be replenished. The CASSETTE CLOSE report is printed to the Receipt Printer. Completing a CASSETTE CLOSE clears the cassette total from the Cash Dispenser.



Sample CASSETTE CLOSE receipt.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENTER QTY. IN CASSETTE

FACTORY DEFAULT: '0'

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select CASSETTE CLOSE. Choose a cassette (A, B, C, or D).
- 3.) Select ENTER QTY. IN CASSETTE.

ENTER THE NUMBER OF BILLS
THAT ARE IN THE CASSETTE NOW
(NOT THE VALUE)

AND THEN PRESS 'OK'

DESCRIPTION:

The ENTER QTY. IN CASSETTE function allows entry of the number of documents in the cassette. This number is used as a starting point for the cassette close report. Enter the total number of documents in the cassette and press OK.

NOTE: Enter the *number* of documents placed in a cassette, not the value of those documents.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SELECT CASSETTE

FACTORY DEFAULT: 'N/A'

ACCESS INSTRUCTIONS:

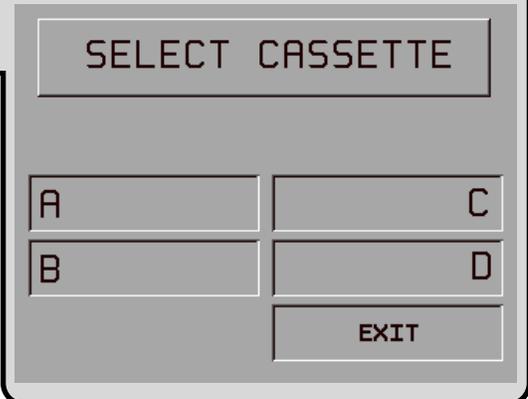
- 1.) Select CLOSE from the MANAGEMENT FUNCTION screen.
- 2.) Select CASSETTE CLOSE. Choose a cassette (A, B, C, or D).
- 3.) Choose the SELECT CASSETTE option.

DESCRIPTION:

This option provides a convenient way to switch between cassettes when performing cassette-specific close operations. Simply select the cassette you wish to work with and a menu of cassette related close functions will be presented. See the description of the CASSETTE CLOSE function for more information.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



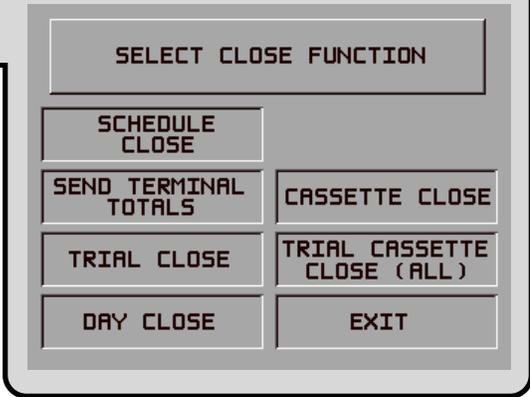
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TRIAL CASSETTE CLOSE (ALL)

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select CLOSE from the MANAGEMENT FUNCTIONS screen.
- 2.) Select TRIAL CASSETTE CLOSE (ALL).

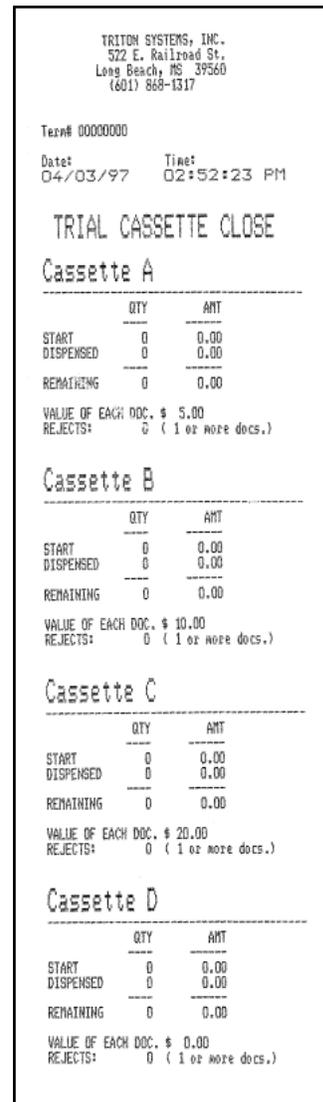


DESCRIPTION:

Selecting the TRIAL CASSETTE CLOSE (ALL) function prints a summary of all cassettes present with out clearing any totals. The host is not contacted.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



A sample print out for the TRIAL CASSETTE CLOSE (ALL) function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DIAGNOSTICS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select one of the following to perform the appropriate DIAGNOSTICS test:

DIAGNOSTICS	
STATUS	TEST RECEIPT PRINTER
PURGE	VERSION #'S
TEST DISPENSE	MORE DIAGNOSTICS
FORMAT MEMORY EXPANSION CARD	EXIT

DESCRIPTION:

- Select STATUS to determine the operational status of the four Feed Channels, the Reject Channel and the Transport Channel of the dispensing mechanism.
- Select PURGE to complete a PURGE cycle on the mechanism.
- Select TEST DISPENSE to perform a dispense from each Feed Channel of the mechanism.
- Select FORMAT MEMORY EXPANSION CARD to erase the contents of a memory Expansion Card and to prepare the card to receive new data.
- Select the TEST RECEIPT PRINTER option to test the operation of the Receipt Printer.
- Select the VERSION #'S option to display a screen that provides version numbers for the various components of the terminal operating software.
- Select the MORE DIAGNOSTICS option to access the following diagnostic functions:
 - Select INJECT NEW CASSETTE ID to change the ID of a Note Cassette.
 - RESET/TEST MODEM. Select this option to verify that a modem is installed and that it is capable of being configured.
 - Select FORCE UNLOCK CASSETTE immediately after experiencing a failure of the normal UNLOCK operation. After selecting this option you will be presented with a screen that allows you to select the cassette you wish to force to unlock.
 - SCAN CARD. Select this option to verify that a customer's ATM or credit card can be read by the terminal card reader.

The diagnostics options do not have a time-out associated with them. You must manually exit the diagnostics mode when you are finished.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: STATUS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen
- 2.) Select the STATUS option.

SELECT CHANNEL TO GET STATUS	
FEED CHANNEL 1	
FEED CHANNEL 2	REJECT CHANNEL
FEED CHANNEL 3	TRANSPORT CHANNEL
FEED CHANNEL 4	EXIT

DESCRIPTION:

The STATUS feature presents a screen with options for initiating status checks on the primary functional areas of the dispensing mechanism. These areas are the four Feed Channels, the Reject Channel and the Transport Channel. Choose the area you want to check and press the applicable option button. The return code for each of these functional areas of the dispenser will consist of a string of characters that must be interpreted to determine the status of various components within that area. Refer to Section 9, Interpreting Return Codes, for information on the meaning of each character in the return code. The cancel button must be pressed to return to the DIAGNOSTICS main menu.

ERROR CONDITIONS:

The Return Code received as a result of initiating status testing may provide indications of error conditions in the specified channel.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PURGE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen
- 2.) Select the PURGE option.

DESCRIPTION:

When the PURGE option is selected, a PURGE command is sent to the dispenser, instructing it to exercise its note transport system. No notes will be dispensed from the cassettes, but this action should remove any notes that may be present in the transport path of the dispensing mechanism. The return code for a successful PURGE is '0'. If any code other than '0' is displayed, contact your service provider for assistance. Press the cancel key to return to the DIAGNOSTICS main menu.

ERROR CONDITIONS:

The Return Code received as a result of initiating a PURGE command may indicate an error condition in the dispensing mechanism.

RETURN CODE: _____

PRESS CANCEL TO CONTINUE

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TEST DISPENSE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen
- 2.) Select the TEST DISPENSE option.

DESCRIPTION:

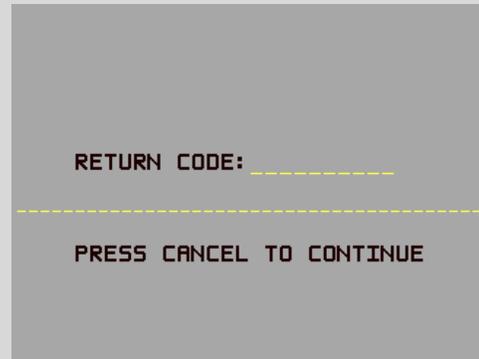
The TEST DISPENSE command instructs the dispensing mechanism in the Cash Dispenser to dispense a single note from each Note Cassette, sending each note into the Reject Cassette. This test exercises the dispenser without sending notes to the exit. Normally, the successful (no error) accomplishment of this operation will display the following Return Codes:

- 2-Cassette Mechanism: 01100
- 3-Cassette Mechanism: 01110
- 4-Cassette Mechanism: 01111

If any code other than what is indicated above is displayed, contact your service provider for assistance. Press the cancel key to return to the DIAGNOSTICS main menu.

ERROR CONDITIONS:

The Return Code received as a result of initiating a TEST DISPENSE command may indicate an error condition in the dispensing mechanism.



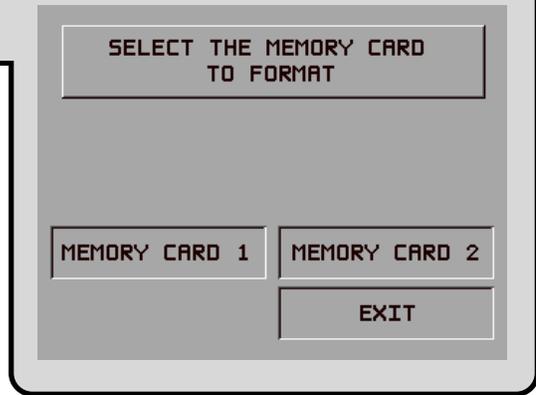
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: FORMAT MEMORY EXP. CARD

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the FORMAT MEMORY EXPANSION CARD option.



DESCRIPTION:

A Memory Expansion Card is formatted so that it is ready to accept downloaded files from a Triton Connect Host Computer. All Memory Expansion Cards are shipped from the factory formatted. If it becomes necessary to format a Memory Expansion Card, it can be accomplished from either the local terminal or through commands downloaded from a Triton Connect Host Computer.

****CAUTION****

Formatting a Memory Expansion Card will erase all files stored on the card. Do not format a Memory Expansion Card unless you have the capability to download files to the terminal.

When the SELECT MEMORY CARD TO FORMAT screen is displayed, the options that are made available are MEMORY CARD 1 or MEMORY CARD 2. Selecting either will begin the formatting process.



ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TEST RECEIPT PRINTER

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

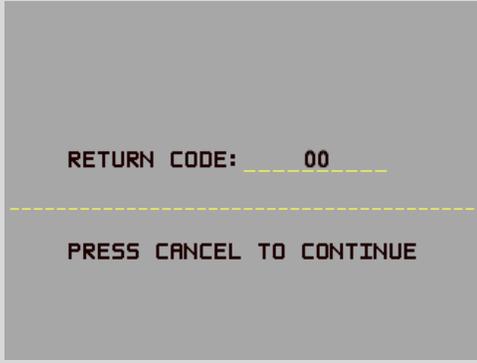
- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the TEST RECEIPT PRINTER option.

DESCRIPTION:

This command will print two lines of text on the receipt printer and then advance and cut the paper. The text should be 42 characters wide. The remainder of the information on the TEST RECEIPT PRINTER print out is terminal configuration data. If the printer test fails to print two lines of 42 characters, fails to advance the paper, or fails to cut the paper, contact your service provider for assistance. A return code of '00' indicates a successful printer test. Press the cancel key to return to the DIAGNOSTICS main menu.

ERROR CONDITIONS:

If any code other than '00' is displayed contact your service provider for assistance.



```

ite: 11MB:
3/31/98 12:29:46 PM

ode: Demo

arm# 0000000000000000
terminal Owner:

>rom Version: S001.01860 06/13/97
rogram Version: TA-DEMO.06 02/24/98
able Version: TT-9615.04 02/25/98

oad serial board is not installed
PROH does not support quad serial board
ED sign is not installed

aster Key is loaded.
key index: 2
aster Key Check Digits: 82E136
oms. Key Check Digits: 8C464D

rimary Phone Number: 5555555
econdary Phone Number:
omputer Routing ID: A01100
ouch Tone, 1200 baud, Dial Rate: 70

urcharging is enabled
urcharge Owner:
urcharge Amount: 1.00

aximum Withdrawal Amount: 500.00
aximum Non-Cash Amount: 0.00

ast Cash Amounts: 10.00
                  20.00
                  30.00
                  40.00
                  50.00

rize Coupon printing is disabled
evel prize amount: 0.00
andom prize %: 0

Dispensing coupons is enabled
evel prize amount: 5.00 Cassette X
andom prize %: 100 Cassette X

Minimum lines per receipt: 35

Cassette Summary: ABCD

Cassette A
Out of Service Cash 1.00
Description:

Cassette B
Out of Service Cash 5.00
Description:

Cassette C
In Service Cash 10.00
Description:

Cassette D
In Service Cash 20.00
Description:

Dispenser direction is front
Double Encryption is disabled
    
```

Sample RECEIPT PRINTER test results.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: VERSION #'S

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the VERSION #'S option.

DESCRIPTION:

This function displays the version information for the terminal software that is running in the Cash Dispenser. Normally you do not need to access this function unless you are asked to by service personnel.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

PRESS ANY KEY TO CONTINUE

Version	Date
---------	------

EPROM	
PROGRAM	
TABLE	

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MORE DIAGNOSTICS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the MORE DIAGNOSTICS option.

DIAGNOSTICS

INJECT NEW CASSETTE ID	FORCE UNLOCK
RESET/TEST MODEM	SCAN CARD
PREVIOUS	

DESCRIPTION:

This screen allows you to select additional diagnostics functions. The functions available are:

- 1.) INJECT NEW CASSETTE ID, which enables you to change the identification code of a cassette.
- 2.) RESET/TEST MODEM, which performs a functional test of the modem hardware.
- 3.) FORCE UNLOCK CASSETTES, which allows you to override the normal cassette unlocking mechanism.
- 4.) SCAN CARD, which enables you to test a customer’s ATM or credit card for proper operation in the terminal card reader.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: INJECT NEW CASSETTE ID

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the MORE DIAGNOSTICS option.
- 3.) Select the INJECT NEW CASSETTE ID option.

SELECT CASSETTE ID
TO INJECT INTO CASSETTE

A	C
B	D
exit	

DESCRIPTION:

Each Note Cassette contains onboard memory that enables it to store its own identification code. This option allows you to inject a new ID into a Note Cassette. This option will prompt you to insert the cassette you want to use into the top feed channel, and will then provide options for injecting a designation of 'A', 'B', 'C', or 'D' into the cassette in this position. When the ID has successfully been injected, the word DONE will appear. If the operation fails, an error message will be displayed.

The CASSETTE ID has no direct correlation to the physical position of the cassette within the unit, although in most instances the cassette identified as 'A' will be placed in the top position, 'B' in the second, 'C' in the third, and 'D' in the fourth position. This is not a requirement, however, since the ID code allows the dispensing mechanism (and the Cash Dispenser control system) to locate the cassette no matter which slot it is in.

This function will automatically perform an UNLOCK operation so that the cassettes can be rearranged as needed to facilitate the operation. At the conclusion of the procedure, after each cassette has been placed in its appropriate location, use the LOCK/UNLOCK function to LOCK the cassettes into place.

ERROR CONDITIONS:

If the operation fails, an error message will be displayed.

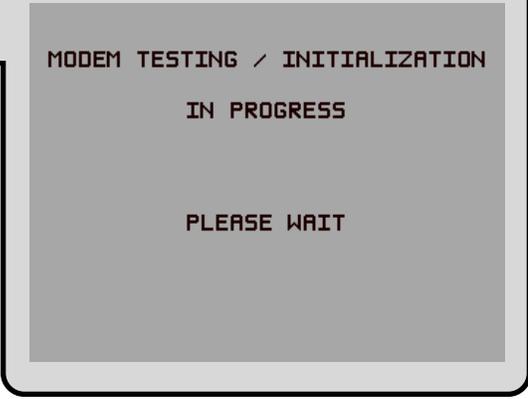
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: RESET/TEST MODEM

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select DIAGNOSTICS from the MANAGEMENT FUNCTIONS screen.
- 2.) Select MORE DIAGNOSTICS.
- 3.) Select the RESET/TEST MODEM option.



MODEM TESTING / INITIALIZATION
IN PROGRESS

PLEASE WAIT

DESCRIPTION:

This test confirms that the CPU Module can communicate with the modem and that the modem can be configured. This test does not test the ability of the modem to communicate on the phone line. If the RESET/TEST MODEM TEST fails, contact your service provider for assistance. Press the cancel key to return to the diagnostic's menu.

If the test is successful, the following message screen will be displayed:



MODEM CONFIGURED
AND
TESTED OK

PRESS CANCEL TO CONTINUE

ERROR CONDITIONS:

If the test fails, an error message will be displayed.

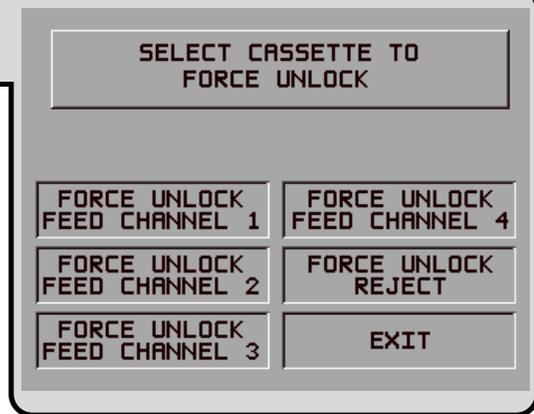
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: FORCE UNLOCK CASSETTE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select the DIAGNOSTICS option from the MANAGEMENT FUNCTIONS menu.
- 2.) Select MORE DIAGNOSTICS.
- 3.) Select FORCE UNLOCK CASSETTE.



DESCRIPTION:

This function provides a means of overriding the unlocking mechanism associated with a particular cassette. **It is only to be used immediately after failure of a normal cassette unlock operation.**

Occasionally a condition may occur that prevents a cassette from being removed from the dispensing mechanism. A note that is lodged or jammed in a cassette's "gate" could cause such a condition, for example. The gate is a mechanical shutter on the feed end of a cassette, which lowers to allow notes to be dispensed, and raises as a security precaution when the cassette is removed from the dispensing mechanism.

During a normal unlocking operation (see the description of the CASSETTE PARAMETERS function), when the gate is closed the cassette releases an associated mechanical latch, allowing the cassette to be removed from the body of the dispensing mechanism. If the gate does not fully close, the cassette will not release the latch and the cassette will remain locked in the mechanism.

If you find that a particular cassette cannot be removed after performing the normal unlock operation, *do not attempt any other action, such as a Cash Dispenser reset, or make multiple attempts to perform a normal unlock operation.* The FIRST STEP after encountering a problem with a normal unlock operation is to use the FORCE UNLOCK function to attempt to release the applicable cassette from the mechanism.

To initiate a FORCE UNLOCK operation on a specific cassette, select the option button on the menu that corresponds to the location of the affected cassette.

SECTION 5 - MANAGEMENT FUNCTIONS

Once the cassette has been removed from the dispensing mechanism, gently remove any notes that are sticking out of the cassette. Re-insert the cassette into the dispensing mechanism and perform a normal LOCK operation, followed by a normal UNLOCK operation. You may now remove and replenish the cassette as normal.

ERROR CONDITIONS:

If the FORCE UNLOCK operation is unsuccessful, contact your Triton authorized sales and service provider.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: LANGUAGE/IDIOMA

FACTORY DEFAULT: Country-specific

ACCESS INSTRUCTIONS:

Select the LANGUAGE/IDIOMA option from the MANAGEMENT FUNCTIONS screen to view the additional options available.

DEFAULT LANGUAGE: **ENGLISH**

CUSTOMER SELECTED LANGUAGE

OPTION IS: **ENABLED**

ENGLISH INGLES	ENABLE CUST. OPTION
SPANISH ESPAÑOL	DISABLE CUST. OPTION
EXIT	

DESCRIPTION:

This function provides access to the options that control the language that is displayed on the Cash Dispenser LCD Display. Current language options include English or Spanish (certain international versions of terminal software provide a French option instead of Spanish), and a customer option feature enables or disables customer-selection of the language in which text is presented on the LCD display.

- 1.) ENGLISH / INGLES
- 2.) SPANISH / ESPAÑOL
- 3.) ENABLE CUST. OPTION
- 4.) DISABLE CUST. OPTION

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENGLISH/INGLES	DEFAULT LANGUAGE: ENGLISH CUSTOMER SELECTED LANGUAGE OPTION IS: ENABLED						
FACTORY DEFAULT: N/A	<table border="1"><tr><td>ENGLISH INGLES</td><td>ENABLE CUST. OPTION</td></tr><tr><td>SPANISH ESPAÑOL</td><td>DISABLE CUST. OPTION</td></tr><tr><td colspan="2">EXIT</td></tr></table>	ENGLISH INGLES	ENABLE CUST. OPTION	SPANISH ESPAÑOL	DISABLE CUST. OPTION	EXIT	
ENGLISH INGLES	ENABLE CUST. OPTION						
SPANISH ESPAÑOL	DISABLE CUST. OPTION						
EXIT							
ACCESS INSTRUCTIONS: 1.) Select the LANGUAGE/IDIOMA option from the MANAGEMENT FUNCTIONS screen. 2.) Select the ENGLISH/INGLES option.							

DESCRIPTION:

Choosing this function when the DISABLE CUST. OPTION is selected will set the LCD screen to display only English text during a transaction.

Choosing this function when the ENABLE CUST. OPTION is selected will present customer transaction text in English initially, but will allow the customer to choose English or Spanish (or French for some versions of terminal software).

In addition to the customer transactions taking place in the English language, all Management Functions will be presented in English. All receipts will be printed in English text, as well.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SPANISH/ESPANOL

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select the LANGUAGE/IDIOMA option from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the SPANISH/ESPANOL option.

DESCRIPTION:

NOTE: Some versions of international software replace the Spanish language option with French.

Choosing this option when the DISABLE CUST. OPTION is selected will display only Spanish text during a transaction.

Choosing this option when the ENABLE CUST. OPTION is selected will give the customer the option of completing the transaction in either English or Spanish.

In addition to the transaction taking place in the Spanish language, all Management Functions will be presented in Spanish.

Some terminal software versions support the printing of receipts in Spanish.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

DEFAULT LANGUAGE: **SPANISH**

CUSTOMER SELECTED LANGUAGE

OPTION IS: **DISABLED**

ENGLISH INGLES	ENABLE CUST. OPTION
SPANISH ESPAÑOL	DISABLE CUST. OPTION
EXIT	

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENABLE/DISABLE CUST. OPTION

FACTORY DEFAULT: 'OPTION IS: DISABLED'

ACCESS INSTRUCTIONS:

- 1.) Select the LANGUAGE/IDIOMA option from the MANAGEMENT FUNCTIONS screen.
- 2.) Select either option, as appropriate:
 - ENABLE CUST. OPTION.
 - DISABLE CUST. OPTION.

DEFAULT LANGUAGE: **SPANISH**

CUSTOMER SELECTED LANGUAGE

OPTION IS: **DISABLED**

ENGLISH
INGLES

ENABLE
CUST. OPTION

SPANISH
ESPAÑOL

DISABLE
CUST. OPTION

EXIT

DESCRIPTION:

If the mode is ENABLED, the customer will be offered a bilingual screen instructing them to select a desired language (currently English and either Spanish or French depending upon software version) for the transaction. If the mode is DISABLED, the customer will not be offered this option.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: JOURNAL	SELECT JOURNAL FUNCTION
FACTORY DEFAULT: N/A	
ACCESS INSTRUCTIONS:	
Select JOURNAL from the options available at the MANAGEMENT FUNCTIONS screen.	PRINT JOURNAL PRINT LAST X ENTRIES
	CLEAR JOURNAL EXIT

DESCRIPTION:

Select the JOURNAL function from the MANAGEMENT FUNCTIONS screen to:

- 1.) PRINT THE JOURNAL
- 2.) CLEAR JOURNAL
- 3.) PRINT THE LAST X ENTRIES

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

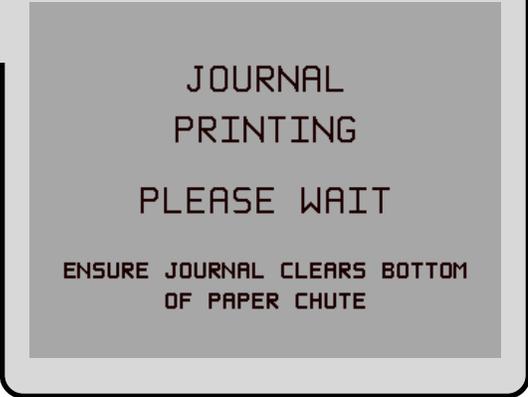
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRINT JOURNAL

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select JOURNAL from the options available at the MANAGEMENT FUNCTIONS screen.
- 2.) Select the PRINT JOURNAL option to print all unaudited records stored in the Electronic Journal.



JOURNAL
PRINTING
PLEASE WAIT
ENSURE JOURNAL CLEARS BOTTOM
OF PAPER CHUTE

DESCRIPTION:

The PRINT JOURNAL command is used to automatically print out any journal entries collected since the last time the journal was printed. ALL journal records will be printed, whether there are 1 or 2045 records. This command should be used regularly to print the audit trail of the terminal. This information should be maintained in case of an inquiry by a customer, and can also be useful in certain troubleshooting situations.

When this command is run, all unaudited records in the Electronic Journal are immediately sent to the receipt printer, and subsequently marked as audited. Any record printed in this fashion will not be printed again by this command, although it can be printed using the PRINT LAST X ENTRIES command. When the journal has finished printing, the SELECT JOURNAL FUNCTION screen will be displayed.

ERROR CONDITIONS:

If the operation fails, an error message will be displayed.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CLEAR JOURNAL

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select JOURNAL from the options available at the MANAGEMENT FUNCTIONS screen.
- 2.) Select the CLEAR JOURNAL option to mark all journal entries stored in the Electronic Journal since the last time the CLEAR JOURNAL or PRINT JOURNAL functions were completed.

CLEARING
JOURNAL

ALL RECORDS WILL BE MARKED
AS AUDITED

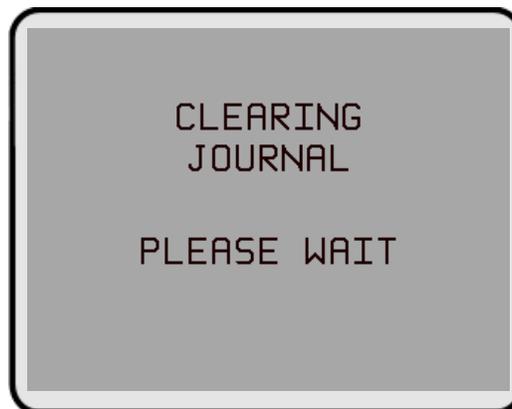
DO YOU WISH TO CONTINUE?

NO, CANCEL

YES, CLEAR

DESCRIPTION:

The CLEAR JOURNAL command is used to mark all unprinted records in the journal as ‘audited’. This means that they will not be printed out the next time a PRINT JOURNAL command is performed. Audited records are not erased. They are marked as if they had been printed. When this function is selected, a confirmation screen prompts the user to answer YES, CLEAR to continue with operation or NO, CANCEL to quit. If the user answers YES, CLEAR, the following screen will be displayed:



When the journal has been cleared, the SELECT JOURNAL FUNCTION screen will be displayed. Note that even after this command has been completed, records are still available for printing by using the PRINT LAST X ENTRIES command.

ERROR CONDITIONS:

If the operation fails, and error message will be displayed.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRINT LAST X ENTRIES

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select JOURNAL from the options available at the MANAGEMENT FUNCTIONS screen.
- 2.) Select the PRINT LAST X ENTRIES option to print the last X (where 'X' is a number from 1 to 2045) entries stored in the Electronic Journal.

ENTER THE NUMBER OF RECORDS
TO PRINT

AND THEN PRESS 'OK'

DESCRIPTION:

This command is used to reprint records from the Electronic Journal, either before or after they have been audited using the CLEAR JOURNAL or PRINT JOURNAL commands. Records printed out using this command are not marked in any way. This command will not affect the operation of the PRINT JOURNAL command.

This command is used for several purposes. It can be used to reprint records for which the paper trail has been lost or destroyed. It can also be used to print out records before they are audited, for diagnostic purposes.

When using this command, the user is prompted to enter the number of the most recently collected records to be printed. It always operates on the last 'X' entries. If an operator needs to see a transaction that happened about 10 records earlier, entering '13' at the prompt will cause the last 13 records to be printed, but not cleared, from the buffer. This will ensure that the transaction in question is printed.

Subsequent uses of this command are not cumulative. No pointer is maintained that 'moves' each time this command is run. It always operates on the LAST X ENTRIES.

ERROR CONDITIONS:

Entering a number greater than the number of records in the buffer memory of the journal will cause all records to be printed. The buffer memory can contain up to 2045 records at any one time.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CASSETTE SERVICE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

Select the CASSETTE SERVICE option from the MANAGEMENT FUNCTIONS screen.

DESCRIPTION:

The CASSETTE SERVICE option provides the terminal operator with the ability to quickly lock and unlock cassettes, or to place selected cassettes into service. The cassette selection screen provides an option button for each cassette: A, B, C, or D. Press the desired button to place that cassette in service. Press the indicated button to lock or unlock all of the cassettes. Note that the current lock status of the cassettes is shown in the lower left label area.

Once a cassette is in service, the following message will be displayed:

Press any key to return to the main Management Functions menu.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SELECT THE CASSETTE TO PUT IN SERVICE	
LOCK CASSETTES	UNLOCK CASSETTES
A	C
B	D
CASSETTES ARE: UNLOCKED	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PASSWORD MAINTENANCE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

Select the PASSWORD MAINTENANCE option from the MANAGEMENT FUNCTIONS screen.

DESCRIPTION:

The PASSWORD MAINTENANCE Function of MANAGEMENT FUNCTIONS menu allows access to menus for viewing and changing the following:

- 1.) MASTER PASSWORD
- 2.) ADMINISTRATION PASSWORD

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



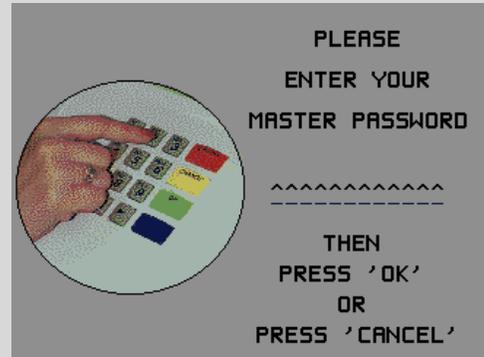
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MASTER PASSWORD

FACTORY DEFAULT: '123456'

ACCESS INSTRUCTIONS:

- 1.) Select the PASSWORD MAINTENANCE option from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the MASTER PASSWORD option.



DESCRIPTION:

The MASTER PASSWORD is the highest level password on the Cash Dispenser. It allows access to all functions except downloading of new software. The MASTER PASSWORD must be entered in order to change the ADMINISTRATION password. The factory default MASTER PASSWORD is '123456' and should be changed when the Cash Dispenser is installed.

To change the MASTER PASSWORD, select this function. You will be prompted to enter your new password. An asterisk (*) will be displayed in place of the actual digits entered; therefore, you must enter the password a second time when prompted to confirm it.

The password can be from 4 to 12 digits long and can contain only numbers; letters are not allowed.

ERROR CONDITIONS:

A number of feedback screens may appear during password entry. These screens can appear if the second password entry did not match the first, you entered an invalid password, or the password you entered was too short (less than 4 characters).

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ADMINISTRATION PASSWORD

FACTORY DEFAULT: '987654'

ACCESS INSTRUCTIONS:

- 1.) Select the PASSWORD MAINTENANCE option from the MANAGEMENT FUNCTIONS screen.
- 2.) Select the ADMINISTRATION PASSWORD option.

ADMIN. PASSWORD FUNCTIONS

VIEW

CHANGE

EXIT

DESCRIPTION:

The ADMINISTRATION PASSWORD is used to perform daily management functions. This password DOES NOT allow access to the TERMINAL CONFIGURATION menu.

This password can only be changed when the MASTER PASSWORD is used to enter the MANAGEMENT FUNCTIONS area. Use the options provided to VIEW or CHANGE the password, as shown in the figures below. When the VIEW option is selected, the current password will be displayed for a few seconds. When changing the password, it must be entered twice, because the characters entered are not displayed (an asterisk (*) is displayed in place of each character, for security reasons). The password length can range from 4 to 12 characters.



VIEW



CHANGE

ERROR CONDITIONS:

A number of feedback screens may appear during password entry. These screens can appear if the second password entry did not match the first, you entered an invalid password, or the password you entered was too short (less than 4 characters).

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TERMINAL CONFIGURATION

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

Select the **TERMINAL CONFIGURATION** option from the **MANAGEMENT FUNCTIONS** screen.

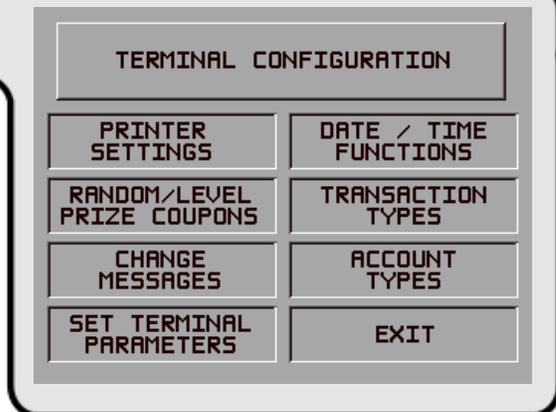
DESCRIPTION:

The **TERMINAL CONFIGURATION** option provides access to functions that allow the following parameters to be viewed and changed:

- 1.) **PRINTER SETTINGS**
- 2.) **RANDOM/LEVEL PRIZE COUPONS**
- 3.) **CHANGE MESSAGES**
- 4.) **SET TERMINAL PARAMETERS**
- 5.) **DATE / TIME FUNCTIONS**
- 6.) **TRANSACTION TYPES**
- 7.) **ACCOUNT TYPES**

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRINTER SETTINGS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select the **TERMINAL CONFIGURATION** option from the **MANAGEMENT FUNCTIONS** screen.
- 2.) Select the **PRINTER SETTINGS** option.

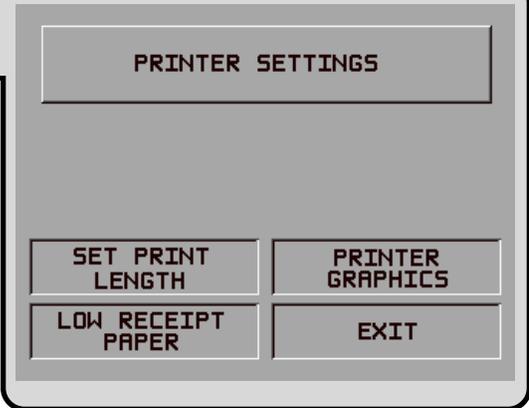
DESCRIPTION:

This menu provides access to the following functions:

- 1.) **SET PRINT LENGTH**
- 2.) **LOW RECEIPT PAPER**
- 3.) **PRINTER GRAPHICS**

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



The screenshot shows a terminal screen with a title bar that reads "PRINTER SETTINGS". Below the title bar, there are four menu options arranged in a 2x2 grid: "SET PRINT LENGTH" (top-left), "PRINTER GRAPHICS" (top-right), "LOW RECEIPT PAPER" (bottom-left), and "EXIT" (bottom-right).

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET PRINT LENGTH

FACTORY DEFAULT: '35'

ACCESS INSTRUCTIONS:

- 1.) Select the **TERMINAL CONFIGURATION** option from the **MANAGEMENT FUNCTIONS** screen.
- 2.) Select the **PRINTER SETTINGS** option.
- 3.) Select **SET PRINT LENGTH**.

MINIMUM PRINT LENGTH:
(NUMBER OF LINES PER RECEIPT)

ENTER MIN. # LINES (0-99)

CHANGE

EXIT

DESCRIPTION:

This function sets the minimum length of the receipt provided to the customer after each transaction.

ERROR CONDITIONS:

Changing the Print Length to less than 35 lines will prevent the receipt from exiting the front of the Cash Dispenser. This may cause paper jams that could result in printer damage.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: LOW RECEIPT PAPER

FACTORY DEFAULT: 'OUT OF SERVICE'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select the **PRINTER SETTINGS** option.
- 3.) Choose the **LOW RECEIPT PAPER** option.

WHEN RECEIPT PAPER BECOMES
LOW, THE ATM WILL BE:
OUT OF SERVICE

IN SERVICE

OUT OF SERVICE

EXIT

DESCRIPTION:

After selecting the **LOW RECEIPT PAPER ON/OFF** option, a screen displaying, "WHEN RECEIPT PAPER BECOMES LOW, THE ATM WILL BE OUT OF SERVICE" (or **IN SERVICE** depending on terminal setup). Change to **IN SERVICE** or **OUT OF SERVICE** by pressing the Screen Key next to the appropriate text and pressing the **EXIT** key.

Selecting the **IN SERVICE** options will allow the terminal to continue to operate after it senses a Receipt Printer Paper Low condition (Error Code 183). *Selecting this option will allow the terminal to operate with low or no receipt paper in the terminal.*

Selecting the **OUT OF SERVICE** option will allow the terminal to report a Receipt Printer Paper Low condition (Error Code 183), and will place the terminal in an **OUT OF SERVICE** condition until the receipt paper is replenished.

ERROR CONDITIONS:

Error Code 183 – Receipt Printer Paper Low will take the terminal **OUT OF SERVICE**. To restore the terminal to normal operation the paper must be replenished and the Reset Error button pressed after the terminal has been reset and is displaying the **OUT OF SERVICE** screen.

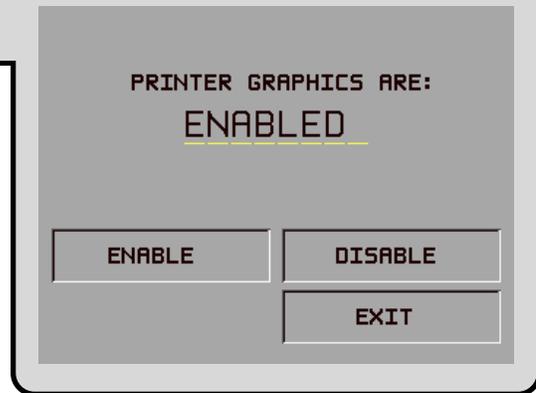
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRINTER GRAPHICS

FACTORY DEFAULT: ENABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** option from the **MANAGEMENT FUNCTIONS** screen.
- 2.) Select the **PRINTER SETTINGS** option.
- 3.) Select **PRINTER GRAPHICS**.



DESCRIPTION:

The Printed Graphics feature can only be used when an optional Memory Expansion Card is installed in the terminal. Triton Connect Software Release 1.8 (or above) allows bit mapped graphics (in '.bmp' format) to be downloaded to the terminal. This graphic will be printed on the receipt when the **PRINTER GRAPHICS** option has been **ENABLED**. This feature cannot be supported without the addition of an Expansion Memory Card.

To turn on the **PRINTER GRAPHICS** feature, choose the **ENABLE** option on this screen. To inhibit the **PRINTER GRAPHICS** feature, press the **DISABLE** key.

ERROR CONDITIONS:

If **PRINTER GRAPHICS** is enabled and there are no graphic images loaded into the Expansion Memory Card, the receipt printer will print normal receipts without graphics. There are no error conditions associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: RANDOM/LEVEL PRIZE COUPONS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select RANDOM/LEVEL PRIZE COUPONS from the TERMINAL CONFIGURATION menu.



DESCRIPTION:

The SELECT COUPON TYPE screen allows the operator to access the functions specific to managing either printed or dispensed prize coupons. The following options are available:

- 1.) PRINTED COUPONS.
- 2.) DISPENSED COUPONS.

Printed coupons are delivered to the customer via the receipt printer, while dispensed coupons are dispensed from one or more of the note cassettes.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRINTED COUPONS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **PRINTED COUPONS**.

DESCRIPTION:

This function provides access to the following options, which will set up terminal operations for issuing printed prize coupons:

- 1.) **ENTER LEVEL PRIZE MESSAGE.**
- 2.) **ENTER RANDOM PRIZE MESSAGE.**
- 3.) **ENABLE/DISABLE COUPON AWARDS.**
- 4.) **SET LEVEL PRIZE AMOUNT.**
- 5.) **SET RANDOM WINNING %.**

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

PRIZE COUPON CONFIGURATION

ENTER LEVEL PRIZE MSG.	SET LEVEL PRIZE AMOUNT
ENTER RANDOM PRIZE MSG.	SET RANDOM WINNING %
ENABLE/DISABLE COUPON AWARDS	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENTER RANDOM PRIZE MSG.

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **PRINTED COUPONS**.
- 4.) Select **ENTER RANDOM PRIZE MSG.**

F1 CENTER LINE
 F2 CLEAR ALL
 F3 CLEAR LINE
 F4 CASE UPPER

LEFT F6
 CENTER F7
 RIGHT F8

DESCRIPTION:

The **RANDOM PRIZE MESSAGE** consists of four lines of text that are printed on the Random Coupon receipt and report. The text can be full alphanumeric text. Enter desired letters, numbers and punctuation as follows:

KEY	1	2	3	4	5	6	7	8	9	0
F4 UPPER	.	.	.	.	.	.	.	.	.	.
No Shift	1	2	3	4	5	6	7	8	9	0
F6 Left	Q	A	D	G	J	M	P	T	W	,
F7 Center	Z	B	E	H	K	N	R	U	X	.
F8 Right	Sp	C	F	I	L	O	S	V	Y	-
F4 LOWER										
No Shift	!	@	#	\$	%	^	&	*	()
F6 Left	q	a	d	g	j	m	p	t	w	'
F7 Center	z	b	c	h	k	n	r	u	x	+
F8 Right	&	c	f	i	l	o	s	v	y	=

The keys along either side of the display are used with the numeric keys on the main keypad to permit entry of alphanumeric characters. The keys on the left side of the display are designated <F1> through <F4>. The keys on the right side of the display are <F6> through <F8>. The <F1> key centers the text on the line where the cursor appears. The <F2> key erases all text in the current message. <F3> clears the text on the line the cursor is currently appearing.

The <F4> Key is used similarly to a CAPS LOCK key on a computer keyboard. Pressing the <F4> key toggles between uppercase and lowercase. To enter an alphabetic or punctuation character, one of the <F6> through <F8> keys must be pressed, followed by one of the numeric keys. The resultant character will be as indicated in the table. Press the <OK> key to save the changes made. If you make a mistake and want to start over, press the CANCEL key to discard any changes made to that point.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENABLE/DISABLE COUPON AWARDS

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **PRINTED COUPONS**.
- 4.) Select the **ENABLE/DISABLE COUPON AWARDS** option.
- 5.) Select **ENABLE OR DISABLE** from the menu displayed.



DESCRIPTION:

This function provides access to a menu that allows the operator to **ENABLE** or **DISABLE** all printed coupon awards. If **ENABLED**, eligible transactions will be checked for award. If **DISABLED**, no coupons will be issued.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET LEVEL PRIZE AMOUNT

FACTORY DEFAULT: '\$0.00'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **PRINTED COUPONS**.
- 4.) Select the **SET LEVEL PRIZE AMOUNT** option.

DESCRIPTION:

This function sets the threshold level at which the level prize coupon will be printed. Withdrawing an amount equal to or greater than the value set here will print the level prize coupon.

To enter a new value, press the **CHANGE** button, enter a new value, then press **<OK>**.

NOTE: If the level coupon is awarded, the random coupon parameter will not be tested for award.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

LEVEL PRIZE COUPON THRESHOLD

\$.00

ENTER NEW LEVEL, THEN PRESS OK

CHANGE

EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET RANDOM WINNING %

FACTORY DEFAULT: '0%'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **PRINTED COUPONS**.
- 4.) Select the **SET RANDOM WINNING %** option.

DESCRIPTION:

This function sets the frequency at which the random prize coupons will be printed. The random coupon is won by a random number of transactions of any type. The winning percentage can be set from 0 to 100%. For example, if the winning percentage is set to 10%, then 1 out of every 10 transactions will be awarded a prize.

To enter a new value, press the **CHANGE** button, enter a new value, then press **<OK>**.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DISPENSED COUPONS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select RANDOM/LEVEL PRIZE COUPONS from the TERMINAL CONFIGURATION menu.
- 3.) Select DISPENSED COUPONS.

**DISPENSED
COUPON CONFIGURATION**

SELECT LEVEL COUPON CASS.	SET LEVEL PRIZE AMOUNT
SELECT RANDOM COUPON CASS.	SET RANDOM WINNING %
ENABLE/DISABLE COUPON AWARDS	EXIT

DESCRIPTION:

This function provides access to the following options, which will set up terminal operations for issuing dispensed prize coupons:

- 1.) SELECT LEVEL COUPON CASSETTE.
- 2.) SELECT RANDOM COUPON CASSETTE.
- 3.) ENABLE/DISABLE COUPON AWARDS.
- 4.) SET LEVEL PRIZE AMOUNT.
- 5.) SET RANDOM WINNING %.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SELECT LEVEL COUPON CASS.

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

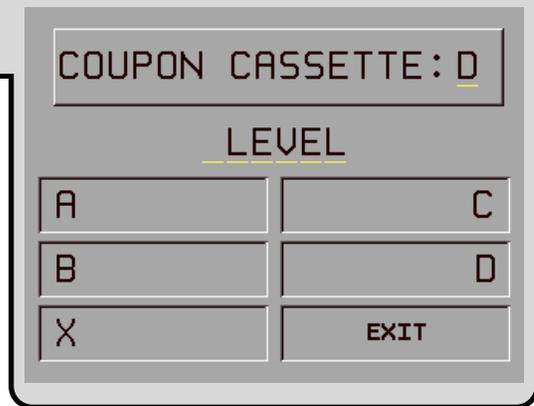
- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **DISPENSED COUPONS**.
- 4.) Choose **SELECT LEVEL COUPON CASS.**

DESCRIPTION:

This function allows the operator to select the cassette which will dispense coupons on a withdrawal-level basis.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SELECT RANDOM COUPON CASS.

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **DISPENSED COUPONS**.
- 4.) Choose **SELECT RANDOM COUPON CASS.**



DESCRIPTION:

This function allows the operator to select the cassette which will dispense coupons on a random basis.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENABLE/DISABLE COUPON AWARDS

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **DISPENSED COUPONS**.
- 3.) Select the **ENABLE/DISABLE COUPON AWARDS** option.

A screenshot of a terminal configuration screen. At the top, a box contains the text "DISPENSED COUPON AWARDS ARE: DISABLED". Below this, there are three buttons: "ENABLED", "DISABLED", and "EXIT". The "ENABLED" and "DISABLED" buttons are side-by-side, and the "EXIT" button is centered below them.

DESCRIPTION:

This function provides access to a menu that allows the operator to **ENABLE** or **DISABLE** all dispensed coupon awards. If **ENABLED**, eligible transactions will be checked for award. If **DISABLED**, no coupons will be issued.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET LEVEL PRIZE AMOUNT

FACTORY DEFAULT: '\$0.00'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **DISPENSED COUPONS**.
- 4.) Select the **SET LEVEL PRIZE AMOUNT** option.



DESCRIPTION:

This function sets the threshold level at which the level prize coupon will be dispensed. Withdrawing an amount equal to or greater than the value set here will dispense the level prize coupon.

To enter a new value, press the **CHANGE** button, enter a new value, then press <OK>.

NOTE: If the level coupon is awarded, the random coupon parameter will not be tested for award.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET RANDOM WINNING %

FACTORY DEFAULT: '0%'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **RANDOM/LEVEL PRIZE COUPONS** from the **TERMINAL CONFIGURATION** menu.
- 3.) Select **DISPENSED COUPONS**.
- 3.) Select the **SET RANDOM WINNING %** option.

DESCRIPTION:

This function sets the frequency at which the random prize coupons will be dispensed. The random coupon is won by a random number of transactions of any type. The winning percentage can be set from 0 to 100%. For example, if the winning percentage is set to 10%, then 1 out of every 10 transactions will be awarded a prize.

To enter a value, press the **CHANGE** option, enter a new random percentage, then press **<OK>**.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CHANGE MESSAGES

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **CHANGE MESSAGES**.

SELECT MESSAGE TYPE TO BE CHANGED	
MARKETING MESSAGE	EXIT MESSAGE
SURCHARGE MESSAGES	STORE MESSAGE
WELCOME MESSAGE	TERMINAL OWNER
SURCHARGE OWNER	EXIT

DESCRIPTION:

The **CHANGE MESSAGES** option of the **TERMINAL CONFIGURATION** menu allows information for the following screens to be changed by the terminal operator or a service technician:

- 1.) **MARKETING MESSAGE**
- 2.) **SURCHARGE MESSAGES**
- 3.) **WELCOME MESSAGE**
- 4.) **SURCHARGE OWNER**
- 5.) **EXIT MESSAGE**
- 6.) **STORE MESSAGE**
- 7.) **TERMINAL OWNER**

ERROR CONDITIONS:

There are no error conditions directly associated with this function

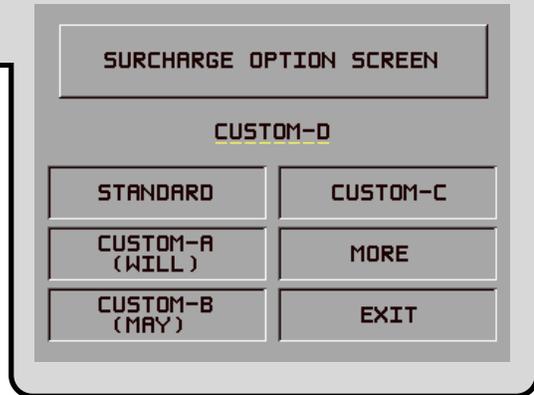
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SURCHARGE MESSAGES

FACTORY DEFAULT: 'STANDARD'

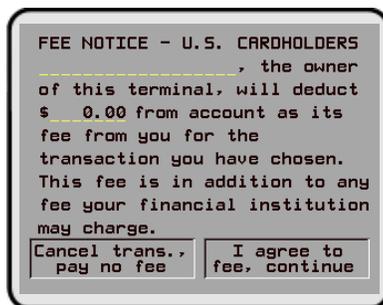
ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **CHANGE MESSAGES**.
- 3.) Select **SURCHARGE MESSAGES**

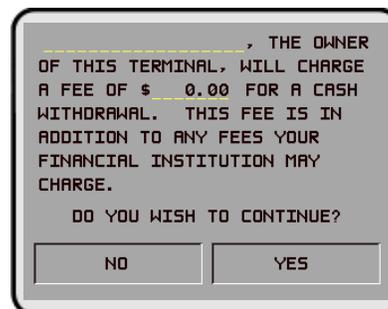


DESCRIPTION:

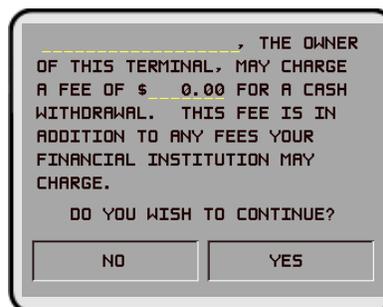
This function is used to select the surcharge message that will be displayed to the customer. Press the button next to the desired message to select it. Message options STANDARD, A, B and C are accessed from the first SURCHARGE OPTION SCREEN. The MORE option leads to a second screen containing message options D, E, F, G, and H.



STANDARD



CUSTOM-A



CUSTOM-B

SECTION 5 - MANAGEMENT FUNCTIONS

_____, THE OWNER
OF THIS TERMINAL, WILL DEDUCT
\$ 0.00 FROM YOUR ACCOUNT AS
ITS FEE FROM YOU FOR THE
TRANSACTION YOU HAVE CHOSEN.
THIS FEE IS IN ADDITION TO ANY
FEE YOUR FINANCIAL INSTITUTION
MAY CHARGE.

DO YOU WISH TO CONTINUE?

NO, CANCEL PAY NO FEE	YES, I AGREE CONTINUE
--------------------------	--------------------------

CUSTOM-C

FEE NOTICE

In addition to any
institutional fees you may be
charged by your bank, the
owner of this terminal
_____ has
assessed a \$ 0.00 fee to
all US cardholders per cash
withdrawal.

NO	YES
----	-----

CUSTOM-D

_____, THE
OPERATOR OF THIS TERMINAL,
WILL CHARGE A FEE OF
\$ _____ FOR A WITHDRAWAL

THIS FEE IS IN ADDITION TO ANY
FEES YOUR INSTITUTION MAY
CHARGE.

CANCEL WITH NO FEE	CONTINUE WITH FEE
-----------------------	----------------------

CUSTOM-E

_____, THE
OPERATOR OF THIS TERMINAL,
WILL CHARGE A FEE OF
\$ _____ FOR A WITHDRAWAL
PERFORMED BY A US CARD HOLDER

THIS FEE IS IN ADDITION TO ANY
FEES YOUR INSTITUTION MAY
CHARGE.

CANCEL WITH NO FEE	CONTINUE WITH FEE
-----------------------	----------------------

CUSTOM-F

_____, THE
OPERATOR OF THIS TERMINAL,
WILL CHARGE A FEE OF
\$ _____ OR % _____ OF THE
TRANSACTION AMOUNT WHICHEVER
IS LESSER FOR A WITHDRAWAL

THIS FEE IS IN ADDITION TO ANY
FEES YOUR INSTITUTION MAY
CHARGE

CANCEL WITH NO FEE	CONTINUE WITH FEE
-----------------------	----------------------

CUSTOM-G

_____, THE
OPERATOR OF THIS TERMINAL,
WILL CHARGE A FEE OF
\$ _____ OR % _____ OF THE
TRANSACTION AMOUNT WHICHEVER
IS LESSER FOR A WITHDRAWAL
PERFORMED BY A US CARD HOLDER

THIS FEE IS IN ADDITION TO ANY
FEES YOUR INSTITUTION MAY
CHARGE

CANCEL WITH NO FEE	CONTINUE WITH FEE
-----------------------	----------------------

CUSTOM-H

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: WELCOME MESSAGE

FACTORY DEFAULT: 'WELCOME TO miniATM'

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select CHANGE MESSAGES.
- 3.) Select Welcome Message.

F1 CENTER LINE
 F2 CLEAR ALL
 F3 CLEAR LINE
 F4 CASE UPPER
 LEFT F6
 CENTER F7
 RIGHT F8

DESCRIPTION:

The Welcome Message consists of three lines of text that are printed at the top of the customer welcome screen. The text can be full alphanumeric text. Enter letters, numbers and punctuation as follows:

The keys along either side of the display are used with the numeric keys on the main keypad to permit entry of alphanumeric characters. The keys on the left side of the display are designated <F1> through <F4>. The keys on the right side of the display are <F6> through <F8>. The <F1> key centers the text on the line where the cursor appears. The <F2> key erases all text in the current message. <F3> clears the text on the line the cursor is currently appearing.

KEY	1	2	3	4	5	6	7	8	9	0
F4 UPPER	.	.	.	.	.	.	.	.	.	.
No Shift	1	2	3	4	5	6	7	8	9	0
F6 Left	Q	A	D	G	J	M	P	T	W	,
F7 Center	Z	B	E	H	K	N	R	U	X	.
F8 Right	Sp	C	F	I	L	O	S	V	Y	-
F4 LOWER										
No Shift	!	@	#	\$	%	^	&	*	()
F6 Left	q	a	d	g	j	m	p	t	w	'
F7 Center	z	b	c	h	k	n	r	u	x	+
F8 Right	&	c	f	i	l	o	s	v	y	=

The <F4> Key is used similarly to a CAPS LOCK key on a computer keyboard. Pressing the <F4> key toggles between uppercase and lowercase. To enter an alphabetic or punctuation character, one of the <F6> through <F8> keys must be pressed, followed by one of the numeric keys. The resultant character will be as indicated in the table. Press the <OK> key to save the changes made. If you make a mistake and want to start over, press the CANCEL key to discard any changes made to that point.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

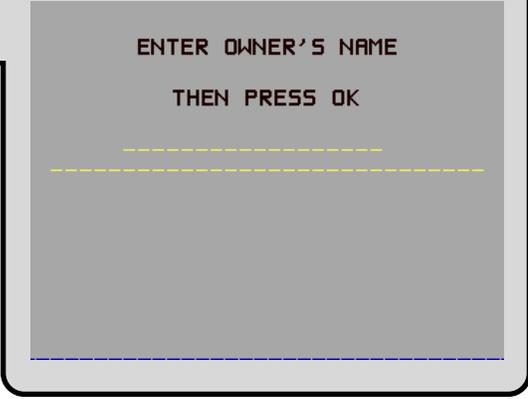
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SURCHARGE OWNER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **CHANGE MESSAGES**.
- 3.) Select **SURCHARGE OWNER**.



ENTER OWNER'S NAME
THEN PRESS OK

DESCRIPTION:

The name of the **SURCHARGE OWNER** is stored in the terminal and printed on the Receipt Printer Test Report. The name of the **SURCHARGE OWNER** is entered directly into the terminal.

To enter a digit 0-9, simply press the key that has that digit. To enter a letter, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again.

The name can be up to 18 characters long.

ERROR CONDITIONS:

There are no error conditions directly associated with this function

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: STORE MESSAGE

FACTORY DEFAULT: SEE NOTE

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select CHANGE MESSAGES.
- 3.) Select STORE MESSAGE.

F1 CENTER LINE
 F2 CLEAR ALL
 F3 CLEAR LINE
 F4 CASE UPPER

LEFT F6
 CENTER F7
 RIGHT F8

ACCESS INSTRUCTIONS:

DESCRIPTION:

The STORE MESSAGE consists of four lines of text that are printed on the customer receipt. The text can be full alphanumeric text. Enter letters, numbers and punctuation as follows:

The keys along either side of the display are used with the numeric keys on the main keypad to permit entry of alphanumeric characters. The keys on the left side of the display are designated <F1> through <F4>. The keys on the right side of the display are <F6> through <F8>. The <F1> key centers the text on the line where the cursor appears. The <F2> key erases all text in the current message. <F3> clears the text on the line the cursor is currently appearing.

KEY	1	2	3	4	5	6	7	8	9	0
F4 UPPER	.	.	.	.	.	.	.	.	.	.
No Shift	1	2	3	4	5	6	7	8	9	0
F6 Left	Q	A	D	G	J	M	P	T	W	,
F7 Center	Z	B	E	H	K	N	R	U	X	.
F8 Right	Sp	C	F	I	L	O	S	V	Y	-
F4 LOWER										
No Shift	!	@	#	\$	%	^	&	*	()
F6 Left	q	a	d	g	j	m	p	t	w	'
F7 Center	z	b	c	h	k	n	r	u	x	+
F8 Right	&	c	f	i	l	o	s	v	y	=

The <F4> Key is used similarly to a CAPS LOCK key on a computer keyboard. Pressing the <F4> key toggles between uppercase and lowercase. To enter an alphabetic or punctuation character, one of the <F6> through <F8> keys must be pressed, followed by one of the numeric keys. The resultant character will be as indicated in the table. Press the <OK> key to save the changes made. If you make a mistake and want to start over, press the CANCEL key to discard any changes made to that point.

NOTE: ‘*THIS IS LINE (1-4) OF THE STORE MESSAGE*’

ERROR CONDITIONS:

There are no errors directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TERMINAL OWNER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **CHANGE MESSAGES**.
- 3.) Select **TERMINAL OWNER**.



DESCRIPTION:

The name of the **TERMINAL OWNER** is stored in the terminal and displayed to the customer in the surcharge warning message. The name is entered directly into the terminal.

To enter a digit 0-9, simply press the key that has that digit. To enter a letter, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again.

The name can be up to 18 characters long.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TERMINAL PARAMETERS

TERMINAL PARAMETERS	
SET TERMINAL #	KEY MANAGEMENT
RESET SEQ. #	TELEPHONE
SURCHARGE MODE	MORE
CASSETTE SETUP	EXIT

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.

DESCRIPTION:

Selecting **SET TERMINAL PARAMETERS** from the **TERMINAL CONFIGURATION** menu allows the following Cash Dispenser operating parameters to be viewed or changed:

- 1.) SET TERMINAL #
- 2.) RESET SEQ #
- 3.) SURCHARGE MODE
- 4.) CASSETTE SETUP
- 5.) KEY MANAGEMENT
- 6.) TELEPHONE
- 7.) MORE

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET TERMINAL #

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Choose the SET TERMINAL # option.

TERMINAL
NUMBER IS:

CHANGE

EXIT

DESCRIPTION:

The TERMINAL # is a unique string of characters provided by your processor to identify the Cash Dispenser when a transaction is taking place. It can contain numbers and letters. The minimum number of characters is 6 and the maximum is 16.

This parameter **MUST** be set before the Cash Dispenser can go on-line AND before the communications key can be downloaded.

When this function is selected, the current TERMINAL # is displayed. If it is to be changed, select CHANGE.

To enter a digit 0-9, press the key that has that digit. To enter a letter, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again.

When you have entered all of the characters, press the <OK> key.

ERROR CONDITIONS:

The Cash Dispenser will not function on-line without a valid TERMINAL #.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: RESET SEQ #

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **RESET SEQ #** option.

TERMINAL PARAMETERS	
SET TERMINAL #	KEY MANAGEMENT
RESET SEQ. #	TELEPHONE
SURCHARGE MODE	MORE
CASSETTE SETUP	EXIT

DESCRIPTION:

NOTE: This feature is not supported by all processors.

Select the **RESET SEQ. #** option from the **TERMINAL PARAMETER** menu to reset the sequence number that is printed on the journal printout and receipt to **'00000000'**.

Resetting the **SEQUENCE #** is an operation that should usually be performed at the request of your processor. Use of this function is not required during normal operation.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SURCHARGE MODE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **SURCHARGE MODE** option.

SURCHARGE MODE: **DISABLE**
AMOUNT = \$

SURCHARGE PERCENT	
ENABLE	BLOCK ISO'S
DISABLE	SURCHARGE AMOUNT
SURCHARGE LOCATION	EXIT

DESCRIPTION:

Selecting the **SURCHARGE MODE** option from the **SET TERMINAL PARAMETERS** menu allows the terminal operator or service technician to change the following surcharge options:

- 1.) SURCHARGE PERCENT
- 2.) ENABLE/DISABLE SURCHARGE MODE
- 3.) SURCHARGE LOCATION
- 4.) BLOCK ISO'S
- 5.) SURCHARGE AMOUNT

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SURCHARGE PERCENT

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Choose the SURCHARGE MODE option.
- 4.) Select SURCHARGE PERCENT.

PERCENT SETTINGS	
CURRENT PERCENT IS: _____ %	
THE CUSTOMER WILL BE CHARGED THE LESSER OF SURCHARGE AMOUNT OR SURCHARGE PERCENT	
LESSER	GREATER
CHANGE PERCENT AMOUNT	EXIT

DESCRIPTION:

The SURCHARGE PERCENT option on the SURCHARGE MODE screen brings up the PERCENT SETTINGS screen, which enables you to enter a surcharge percentage amount, as well as choose the LESSER or GREATER option that is applicable to the surcharge. *Remember that these options must conform to the processor's requirements or other applicable commerce regulations.*

To enter a surcharge percent value press the CHANGE PERCENT AMOUNT key. the ENTER NEW AMOUNT AND PRESS OK prompt replaces the CURRENT PERCENT IS: field. Enter the applicable percentage value (from 1 and 99 percent) and press "OK".

If the processor or other authority requires that the surcharge be the *lesser* of either the surcharge amount or surcharge percentage, select the LESSER option. If the surcharge must be the *greater* of either the surcharge amount or surcharge percentage, select the GREATER option.

This value is stored in the terminal and will be displayed to the customer on the applicable surcharge message screen. The percent settings must be correct to ensure surcharge messages CUSTOM-G and CUSTOM-H are accurate!

ERROR CONDITIONS:

If a fixed surcharge amount is to be used (surcharge percent not used) you must ensure the surcharge comparison option is set to GREATER and the surcharge percent is set to zero (0). This will ensure that only the fixed surcharge amount value will be displayed to the customer. *Failure to do so can cause an incorrect surcharge value to be reported to the customer.*

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENABLE/DISABLE SURCHARGE

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **SURCHARGE MODE** option.
- 4.) Select **ENABLE** or **DISABLE**, as appropriate.

DESCRIPTION:

Some networks allow a surcharge, or terminal fee, to be imposed on withdrawal transactions. If surcharges are in use on your network, you are required to notify the customer of an additional fee before the transaction is processed. He or she must be given a chance to cancel the transaction. Setting the **SURCHARGE MODE** to **ENABLED** will cause a surcharge notification screen to be displayed at some point prior to final processing of the transaction. The customer is given the choice of canceling the transaction at no charge or of continuing.

If your network does not allow surcharges, select the **DISABLE** option to turn off presentation of the surcharge notification message.

ERROR CONDITIONS:

Be sure to **ENABLE** this mode if your network allows surcharges.

SURCHARGE MODE: **DISABLE**
AMOUNT = \$

SURCHARGE PERCENT	
ENABLE	BLOCK ISO'S
DISABLE	SURCHARGE AMOUNT
SURCHARGE LOCATION	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SURCHARGE LOCATION

FACTORY DEFAULT: BEGINNING

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **SURCHARGE MODE** option.
- 4.) Choose the **SURCHARGE LOCATION** option.

SURCHARGE MESSAGE LOCATION

BEGINNING

BEGINNING

ENDING

EXIT

DESCRIPTION:

The **SURCHARGE LOCATION** function determines where the terminal user is presented with the surcharge notification message. The surcharge notification message informs the customer about any surcharge that is applicable to the transaction they are completing. When the message appears the terminal user is given the option of accepting the surcharge and continuing the transaction, or canceling the transaction without incurring any charges. The surcharge amount identified in the notification message does not include any additional charges that the bank sponsoring the card may add to the cost of processing a transaction.

Selecting the **BEGINNING** option displays the applicable surcharge notification message immediately after the terminal user removes the card from the card reader and before their PIN is entered into the terminal.

Selecting the **ENDING** option displays the surcharge notification message after the terminal user has selected an amount from the **FAST CASH** menu or entered the amount of the withdrawal and pressed the “<OK>” key to complete the transaction.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: BLOCK ISO'S

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **SURCHARGE MODE** option.
- 4.) Choose the **BLOCK ISO'S** option.

DESCRIPTION:

This function is used to block surcharging and to disable the display of surcharge messages for transactions that use a particular financial institution's ATM or Credit Card. Entering the financial institution's unique ISO (International Standards Organization) Number on this screen enables the function.

The terminal can store up to 100 ISO numbers to block at one time; however, only 5 numbers can be entered using the **BLOCK ISO'S** screen. Additional ISO numbers (up to the 100-number limit) must be downloaded to the terminal using Triton Connect management software.

From 1 to 9 digits may be used. The terminal will compare the card number to all current ISO numbers to the length of each number. For example, three ISO numbers are entered , including '581234', '46', and '3785'. Any card beginning with '46' would match and cause the surcharge notification message to be suppressed (if surcharging were enabled). A card with the starting number '581235' would not match and therefore a surcharge message would appear. With this technique cards from many issuers can be supported. The more digits entered the fewer the number of different cards that will match.

If a card number matches an ISO number to be blocked, the customer will not see the surcharge notification screen. The processor will also be notified of this in the transaction. Most processors support this function. Before enabling this feature, check to make sure your particular processor supports it. Otherwise, your terminal could be in violation of network rules and be sanctioned.

SELECT ISO TO CHANGE
ENTER NEW ISO THEN PRESS 'OK'

-----	-----
-----	-----
-----	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

To enter or change an ISO go to the SELECT ISO TO CHANGE screen and perform the following:

- 1.) Press the Screen Key next to the block where the new ISO will be entered or an ISO changed.
- 2.) Enter the ISO number (up to six digits in length).
- 3.) Press the “<OK>” key.

If more than one ISO must be entered repeat steps 1 through 3 until all ISO are entered (up to five ISO numbers may be entered). As noted previously, additional ISO numbers can be entered via Triton Connect, up to the 100-number limit.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SURCHARGE AMOUNT

FACTORY DEFAULT: '\$0.00'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **SURCHARGE MODE** option.
- 4.) Choose the **SURCHARGE AMOUNT** option.

DESCRIPTION:

The surcharge amount will be entered directly on the **SURCHARGE MODE** screen. The value you enter here will be displayed to the user in the surcharge notification message that was selected via the **SURCHARGE OPTIONS SCREEN** function. Press the **SURCHARGE AMOUNT** menu key. The **ENTER NEW AMOUNT AND PRESS 'OK'** prompt will appear. Enter a new value. This value will appear in the "AMOUNT = _ _ _ _ _" field that will appear on the **SURCHARGE MODE** screen. The value will be stored in the terminal and displayed to the customer in the surcharge notification message. See **ERROR CONDITIONS:** for additional information on this feature.

ERROR CONDITIONS:

It is important to understand that processor or network rules and/or applicable commerce laws ultimately determine the type and amount of any surcharge that may be assessed against a transaction. The surcharge values that you enter will be displayed to the customer and **MUST** match the actual surcharge rates established by your processor or other applicable regulatory agencies!

Manually changing the **SURCHARGE AMOUNT** to a lower or higher amount does not automatically change the surcharge collected by the processor for a transaction. It will only change the surcharge amount displayed during the surcharge-warning message when it is shown to the customer and not the actual fee collected for the transaction.

SURCHARGE MODE: **ENABLE**

ENTER NEW AMOUNT AND PRESS 'OK'

AMOUNT = \$ 0.00

ENABLE	BLOCK ISO'S
DISABLE	SURCHARGE AMOUNT
SURCHARGE LOCATION	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CASSETTE SETUP

FACTORY DEFAULT: N/A

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.

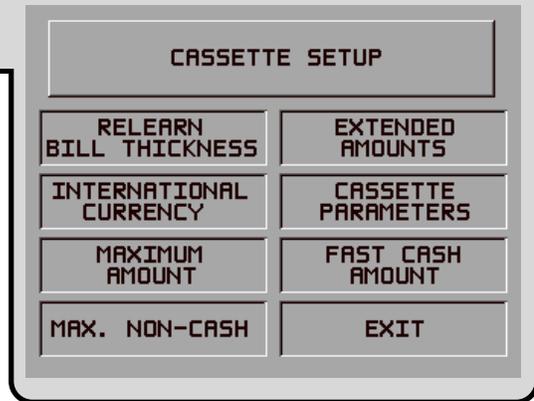
DESCRIPTION:

Selecting **CASSETTE SETUP** at the **TERMINAL PARAMETERS** menu allows the terminal operator to view and change the following parameters:

- 1.) **RELEARN BILL THICKNESS**
- 2.) **INTERNATIONAL CURRENCY**
- 3.) **MAXIMUM AMOUNT**
- 4.) **MAX. NON-CASH**
- 5.) **EXTENDED AMOUNT**
- 6.) **CASSETTE PARAMETERS**
- 7.) **FAST CASH AMOUNT**

ERROR CONDITIONS:

There are no errors directly associated with the **WITHDRAWAL AMOUNTS** function.



SECTION 5 - MANAGEMENT FUNCTIONS

<p>FUNCTION: RELEARN BILL THICKNESS</p> <p>FACTORY DEFAULT: N/A</p> <ol style="list-style-type: none"> 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu. 2.) Select SET TERMINAL PARAMETERS. 3.) Select CASSETTE SETUP. 4.) Choose the RELEARN BILL THICKNESS option. 	<p style="text-align: center;">*** CAUTION ***</p> <p>This function will cause the current bill thickness for all cassettes to be lost. Please ensure that you are familiar with this setting before continuing.</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">CONTINUE</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">EXIT (NO CHANGES)</div> </div>
--	---

DESCRIPTION:

The first time the dispenser is set up, or if a new Note Cassette is installed, the mechanism will automatically enter a learning mode, during which it will learn the thickness of the currency or other media. During this process the unit will dispense and reject as many as 7-15 notes. For multiple cassettes the number of test rejects could almost fill the single-note compartment of the Reject Cassette. In such cases, it is recommended that you remove any rejected notes from the unit before placing the Cash Dispenser back into service.

In some instances (excessive number of rejects during normal operation, for example) it may be necessary to manually initiate this process. The **RELEARN BILL THICKNESS** function enables you to force the dispenser to enter the learning mode. Note that the operation affects ALL cassettes in the dispenser! The following screens will be displayed as a result of a successful operation:



ERROR CONDITIONS:

There are no errors directly associated with this function.

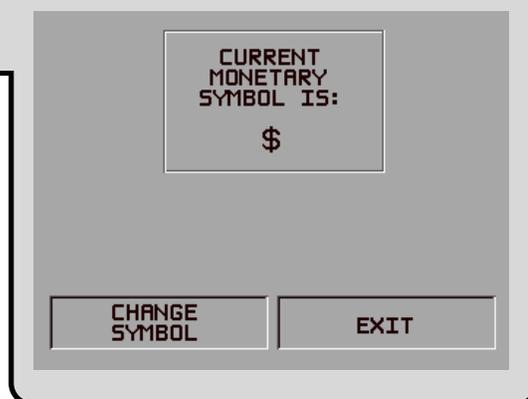
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: INTERNATIONAL CURRENCY

FACTORY DEFAULT: COUNTRY-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select CASSETTE SETUP.
- 4.) Choose the INTERNATIONAL CURRENCY option.



DESCRIPTION:

This feature will allow operator personnel to select one of nine possible monetary symbols (C, ¢, \$, f, L, P_t, £, Q, ¥) that describe the type of currency that will be dispensed by the Cash Dispenser. The default symbol can be viewed and changed through the terminals' Management Functions.

Monetary symbols for use with following currencies are supported by the Cash Dispenser:

1. C - The symbol for the Colon (Costa Rica)
2. ¢ - The symbol for the Colon (El Salvador)
3. \$ - The symbol of the Dollar and Peso
4. f - The symbol for the Franc
5. L - The symbol for the Lempira
6. P_t - The symbol for the Peseta
7. £ - The symbol for the Pound
8. Q - The symbol for the Quetzal
9. R - The symbol for the Rand (South Africa)
10. ¥ - The symbol for the Yen

When the INTERNATIONAL CURRENCY menu is displayed, press the screen key next to the CHANGE SYMBOL option until the desired currency symbol is displayed. Press EXIT to make that symbol the default symbol displayed on the terminal.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MAXIMUM AMOUNT

FACTORY DEFAULT: '\$500.00'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **MAXIMUM AMOUNT** option.

DESCRIPTION:

The maximum cash withdrawal limit must be set in the Cash Dispenser before any transactions can be completed. This number is the largest dollar amount allowed for a withdrawal transaction. It can be set from 1 to 999999 in increments of 1 and it must be an even multiple of the denomination that is in the cassette. Factory default is set to **\$500.00**. The value is dollar amount only; no cents are allowed.

Whenever a withdrawal amount is entered or selected (via the **FAST CASH** option), the amount entered or selected is compared to this amount. If the entry is larger, an error message warns the user and displays the maximum allowable amount.

This amount **DOES NOT** override any maximum set by a network. The transaction will be sent to the network if the amount entered or selected is less than or equal to the maximum. *The network must still approve the amount.*

ERROR CONDITIONS:

The **MAXIMUM AMOUNT** cannot be more than **50 times** the **MULTIPLE AMOUNT**.

MAXIMUM WITHDRAW LIMIT

\$. 00

ENTER NEW AMOUNT & PRESS 'OK'

CHANGE

EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MAX NON-CASH

FACTORY DEFAULT: '\$500.00'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **MAX NON-CASH**.

DESCRIPTION:

The maximum non-cash purchase limit must be set in the Cash Dispenser before any purchases of non-cash items can be completed. This number is the largest dollar amount allowed for the purchase of a non-cash item from the Cash Dispenser. It can be set from 1 to 999999 in increments of 1 and it must be an even multiple of the value of single unit of the non-cash item that is in the cassette. Factory default is set to **\$500.00**. The value is a dollar amount only; no cents are allowed.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: EXTENDED AMOUNT

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select CASSETTE SETUP.
- 4.) Choose the EXTENDED AMOUNT option.

DESCRIPTION:

The standard length of a currency amount entry field is 8 digits. In some applications this length is insufficient to allow the entry of the full range of customer transaction values in the local currency type. This feature allows the selection of 12-digit currency fields for those applications that require it.

To activate 12-digit field lengths, select the ENABLE option. To return to 8-digit field lengths, choose the DISABLE option.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

ENABLING THE EXTENDED AMOUNT WILL INCREASE THE TRANSFER FIELD FROM 8 TO 12 DIGITS.

CAUTION

ONLY USE THE EXTENDED AMOUNT IF YOUR PROCESSOR CAN ACCEPT THIS PROTOCOL.

EXTENDED AMOUNTS ARE: **DISABLED**

ENABLE	DISABLE
EXIT	

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CASSETTE PARAMETERS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Select **CASSETTE PARAMETERS**.

DESCRIPTION:

The **CASSETTE PARAMETERS** option is used to perform cassette-specific configuration and setup operations. When the **CASSETTE PARAMETERS** option is selected, a cassette selection screen (see the description of the **CASSETTE** option for more information) is presented which allows the operator to select the specific cassette which will be the focus of the subsequent setup or configuration operations. The cassette selection screen is followed by the cassette parameters options screen. The **CASSETTE PARAMETERS** option screen provides access to the following functions:

- 1.) **SET BILL DIMENSION**
- 2.) **VALUE**
- 3.) **TYPE**
- 4.) **SERVICE**
- 5.) **CURRENCY DATA**
- 6.) **CASSETTE**
- 7.) **DESCRIPTION**

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

CASSETTE: D

SET BILL DIMENSION	CURRENCY DATA
VALUE	CASSETTE
TYPE	DESCRIPTION
SERVICE	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET BILL DIMENSION

FACTORY DEFAULT: COUNTRY-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select CASSETTE SETUP.
- 4.) Choose the CASSETTE PARAMETERS option.
- 5.) Select a cassette (A, B, C, or D).
- 6.) Choose SET BILL DIMENSION.



DESCRIPTION:

This function enables you to enter the WIDTH and LENGTH measurements of the item in the specified cassette. The information you enter will be stored in the cassette, so it is important to ensure that the specified cassette is present in the mechanism during this operation. If the operation fails, an error message will be displayed.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: VALUE

FACTORY DEFAULT: '\$0.00'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the **VALUE** option.

MULTIPLE AMOUNT

\$. 00

ENTER NEW AMOUNT & PRESS 'OK'

CHANGEEXIT

DESCRIPTION:

The VALUE function allows the operator to set the value of a cash or non-cash item in a particular cassette. For cash, VALUE must be the denomination of the currency currently inside that particular cassette and must be a whole dollar amount without cents. For non-cash, VALUE is the face value of that particular item within the cassette and can be any value. The default setting for VALUE is \$0.00

ERROR CONDITIONS:

An error code will occur when a non-whole dollar amount is applied to a cash cassette. Example, setting the cassette to CASH and entering the VALUE as \$5.15 will cause the terminal to indicate Error# 186 Bill Size Not Configured.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TYPE

DOCUMENT TYPE
TYPE: CASH

CASH

NON-CASH

EXIT

FACTORY DEFAULT: CASH

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the **TYPE** option.

DESCRIPTION:

This function allows the user to set what type of item is currently installed within the cassette. The Type is either **CASH** or **NON-CASH**. **CASH** is any currency such as \$5, \$10, \$20, \$50, etc. **NON-CASH** is any item other than **CASH** such as Stamps, Coupons, or Phone Cards.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SERVICE

CASSETTE STATUS
IN SERVICE

IN SERVICE

OUT OF SERVICE

EXIT

FACTORY DEFAULT: IN SERVICE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the **SERVICE** option.

DESCRIPTION:

This function allows the user to set the desired cassette to either **IN SERVICE** or **OUT OF SERVICE**. Placing a cassette **IN SERVICE** will allow the dispenser to access the item inside the cassette. Placing a cassette **OUT OF SERVICE** effectively turns the cassette off and does not allow any access to the items in the cassette.

ERROR CONDITIONS:

When a cassette is removed from the Dispenser while AC power is on, the status of that cassette will automatically revert to **OUT OF SERVICE**. If that cassette is to be used for future transactions it must be put **IN SERVICE** before it is recognized in the Dispenser.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CURRENCY DATA

FACTORY DEFAULT: COUNTRY-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select CASSETTE SETUP.
- 4.) Choose the CASSETTE PARAMETERS option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the CURRENCY DATA option.

USD0211

Please enter in the new currency data in the format XXXYYZ, where

XXX=3 letter code for currency
YY=3 numbers denoting value
Z=Number representing variant

CHANGE

EXIT

DESCRIPTION:

The CURRENCY DATA Function enables you to enter a seven-character string of parameters that describes the currency in a cassette (see Figure above). The parameter string consists of: 1.) Currency Code, 2.) Value and 3.) Variant Code.

CURRENCY CODE. This is a three-character descriptor for the currency type (example: ‘USD’ represents US Dollars). See the Table on the next page for a listing of supported Currency Codes. To use the Table, find the country of interest in the left-hand column, then move to the right to find the description of the currency type in the second column. Move to the third column to find the specific three-character Currency Code to use for the selected country and currency type.

VALUE. This three-character parameter describes the denomination of the currency in the cassette. The Value is two-part: a two-character *base value* and a single-character *multiplier*. The Value ‘021’, for example, consists of a base value of ‘02’ and a multiplier of ‘1’. *The multiplier represents the number of zeros to add to the base value.* In this example, add one “zero” to ‘02’ (‘02’ + ‘0’), to make ‘020’, which indicates a denomination of twenty (‘USD021’, for example, represents a twenty US dollar denomination). The value ‘USD012’ would represent a 100 (‘01’ + ‘00’) US dollar denomination.

VARIANT. This is a single-character that represents the “version” of the note. **The Variant Code should initially be set to “1”; if a new version of the denomination becomes available, contact Triton Systems Technical Support for an updated Variant Code.**

SECTION 5 - MANAGEMENT FUNCTIONS

The current values of the above listed data will be displayed near the top of the screen as a string of seven characters. When the CHANGE button is pressed, an input field appears, allowing you to enter new data.

To enter a digit 0-9, simply press the key that has that digit. To enter a letter, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again.

Enter the data appropriate for the type, value, and variant for the currency to be loaded into the cassette, then press the OK button to accept it.

IMPORTANT: After entering of the new currency data, remove and reinstall each cassette in the Cash Dispenser. This will ensure the updated information is successfully stored in the cassette(s). Remove and reinstall all cassettes, even if currency data was changed in only one cassette.

COUNTRY CODE	CURRENCY TYPE	CURRENCY CODE	COUNTRY CODE	CURRENCY TYPE	CURRENCY CODE
ARGENTINA	ARGENTINE PESO	ARS	EL SALVADOR	EL SALVADOR COLON	SVC
AUSTRALIA	AUSTRALIAN DOLLAR	AUD	FRANCE	FRENCH FRANC	FRF
BOLIVIA	BOLIVIANO	BOB	GERMANY	DEUTSCHE MARK	DEM
BOLIVIA	MVDOL	BOV	GREECE	DRACHMA	GRD
BRAZIL	BRAZILIAN REAL	BRL	GUATEMALA	QUETZAL	GTO
CANADA	CANADIAN DOLLAR	CAD	HONDURAS	LEMPIRA	HNL
CHILE	CHILEAN PESO	CLP	HONG KONG	HONG KONG DOLLAR	HKD
CHILE	UNIDADES DE FORMENTO	CLF	HUNGARY	FORINT	HUF
COLOMBIA	COLOMBIAN PESO	COP	IRELAND	IRISH POUND	IEP
COSTA RICA	COSTA RICAN COLON	CRC	MEXICO	MEXICAN NUEVO PESO	MXN
CYPRUS	CYPRUS PUND	CYP	NEW ZEALAND	NEW ZEALAND DOLLAR	NZD
CZECH REPUBLIC	CZECH KORUNA	CZK	NICARAGUA	CORDOBA ORO	NIO
DOMINICAN REPUBLIC	DOMINICAN PESO	DOP	PUERTO RICO	US DOLLAR	USD
ECUADOR	SUCRE	ECS	SOUTH AFRICA	RAND	ZAR
ECUADOR	UNIDAD DE VALOR CONSTANTE (UVC)	ECV	UNITED KINGDOM	POUND STERLING	GBP
EGYPT	EGYPTIAN POUND	EGP	UNITED STATES	US DOLLAR	USD

ERROR CONDITIONS:

To ensure accurate note dispensing it is vital that the correct Currency Data for each cassette be entered during the initial setup of the Cash Dispenser! Remember to enter the Currency Data for each cassette before placing that cassette into service, and whenever a new currency type, value, or denomination is used in a cassette.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: CASSETTE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Select the **CASSETTE** option.

DESCRIPTION:

This option provides a convenient way to switch between cassettes when performing cassette-specific operations. Simply select the cassette you wish to work with (A, B, C, or D) and a menu of configuration functions applicable to the selected cassette will be presented.

This option is also used to **LOCK** or **UNLOCK** the cassettes in the dispensing mechanism chassis. Note that this function affects all of the cassettes as a group. The **LOCK CASSETTES** option button will lock all cassettes as a group, while the **UNLOCK CASSETTES** option will **UNLOCK** all cassettes as a group. The current lock status of the cassettes is indicated by the label in the lower left part of the display.

You must **UNLOCK** the cassettes before removing any of them from the mechanism. After re-installing one or more cassettes, **LOCK** them in place prior to placing the Cash Dispenser back into operation.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SELECT CASSETTE	
LOCK CASSETTES	UNLOCK CASSETTES
A	C
B	D
CASSETTES ARE: LOCKED	EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DESCRIPTION

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the **DESCRIPTION** option.

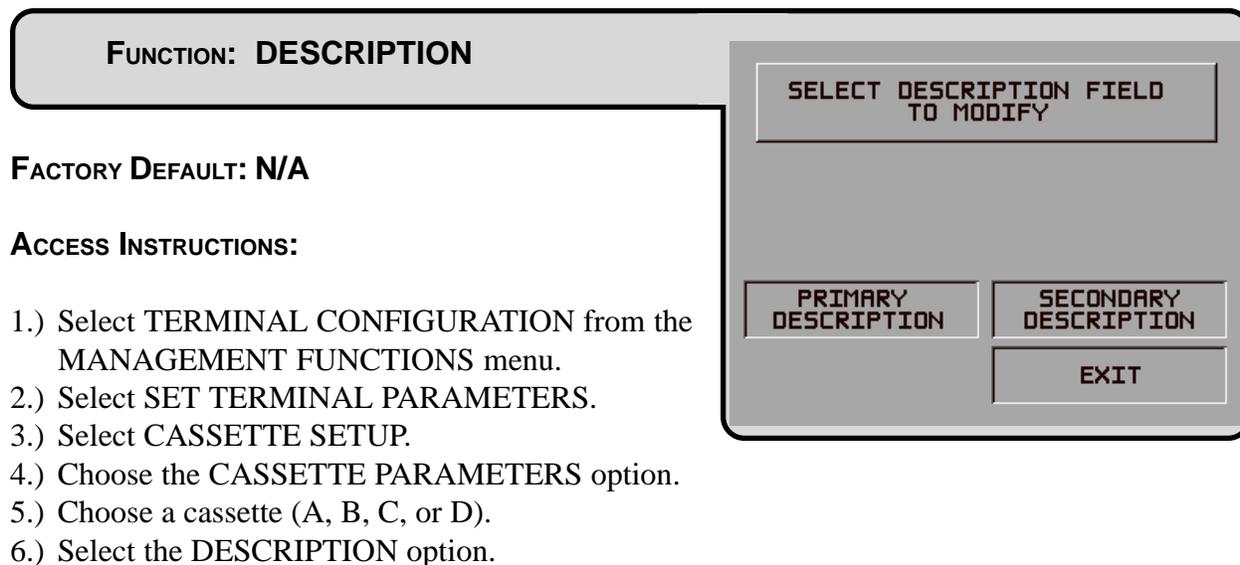
DESCRIPTION:

The **DESCRIPTION** function provides access to menus that let the terminal owner enter a brief description of **NON-CASH** only items in a cassette. There are two menus for entering descriptive information. The **PRIMARY DESCRIPTION** is used to provide a brief description of the items in the **NON-CASH** cassettes. Examples of descriptions are **PHONE CARDS**, **COUPONS**, **STAMPS**, etc. The **SECONDARY DESCRIPTION** provides a location for other information of general interest or information required by law.

See the coverage of the **PRIMARY DESCRIPTION** and **SECONDARY DESCRIPTION** functions on the following pages for additional information and procedures for entering the descriptions.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRIMARY DESCRIPTION

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the **DESCRIPTION** option.
- 7.) Choose the **PRIMARY DESCRIPTION** option.

DESCRIPTION:

The **PRIMARY DESCRIPTION** is used to provide a brief description of the items in the **NON-CASH** cassettes. Examples of descriptions are **PHONE CARDS**, **COUPONS**, **STAMPS**, etc.

To enter a number, press the key that has that number. To enter a letter, first press the **BLUE** key, then press the key that has the letter you want. The first press of the key will display the first character above the number. Subsequent presses will display the other characters in sequence. When the character you want is displayed, press the **<RIGHT ARROW>** key 'to lock' in the letter. If the next character is a letter, the **BLUE** key must again be pressed first.

The description of a **NON-CASH** item may contain up to 28 alphanumeric characters.

ERROR CONDITIONS:

There are no error conditions directly associated with this function

DESCRIPTION OF NON-CASH ITEM

ENTER NEW DESC. & PRESS 'OK'

CHANGE

EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: **SECONDARY DESCRIPTION**

FACTORY DEFAULT: 'NONE'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **CASSETTE PARAMETERS** option.
- 5.) Choose a cassette (A, B, C, or D).
- 6.) Select the **DESCRIPTION** option.
- 7.) Choose the **SECONDARY DESCRIPTION** option.

DESCRIPTION:

The **SECONDARY DESCRIPTION** provides a location for other information of general interest or information required by law.

To enter a number, press the key that has that number. To enter a letter, first press the **BLUE** key, then press the key that has the letter you want. The first press of the key will display the first character above the number. Subsequent presses will display the other characters in sequence. When the character you want is displayed, press the **<RIGHT ARROW>** key 'to lock' in the letter. If the next character is a letter, the **BLUE** key must again be pressed first.

The description of a **NON-CASH** item may contain up to 28 alphanumeric characters.

IS THE SECONDARY DESCRIPTION
OF NON-CASH ITEMS

ENTER NEW DESC. & PRESS 'OK'

CHANGE

EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: FAST CASH AMOUNT

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **CASSETTE SETUP**.
- 4.) Choose the **FAST CASH AMOUNT** option.

FAST CASH SCREEN AMOUNTS
SELECT AMOUNT TO BE CHANGED

\$

\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	EXIT

DESCRIPTION:

During a withdrawal transaction the FAST CASH screen prompts the customer to select the amount of the withdrawal from a list of five convenient amounts. These amounts are entered by the terminal operator using the FAST CASH AMOUNT function. Up to six digits (more with software versions that support extended field lengths) can be entered into any data field accepting a monetary value.

Selecting this function displays the FAST CASH SCREEN AMOUNTS screen. Press the screen key next to the amount to be changed, and it will begin to blink. Enter the new amount (whole dollar amount only), and then press the <OK> key. The value will replace the blinking amount.

The amounts entered must be even multiples of the denomination in the cassette. The amounts do not have to be in any particular order, although typically, they increase in value moving from upper left and down, then upper right and down. *DO NOT enter an amount that is larger than the MAXIMUM WITHDRAWAL AMOUNT.*

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: KEY MANAGEMENT

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Choose the **KEY MANAGEMENT** option.



The screenshot shows a menu titled "KEY MANAGEMENT" with the following options:

KEY MANAGEMENT	
ENTER MAC MASTER KEY	ENTER MAC WORKING KEY
ENTER PIN MASTER KEY	ENTER PIN WORKING KEY
INJECT MASTER KEYS	DOWNLOAD WORKING KEYS
EXIT	

DESCRIPTION:

The **KEY MANAGEMENT** function provides access to Cash Dispenser functions that control the method of entry for the Master Key and the Comms (Communications) Key. The functions accessed through this menu are listed below:

- 1.) ENTER MAC MASTER KEY
- 2.) ENTER PIN MASTER KEY
- 3.) INJECT MASTER KEYS
- 4.) ENTER MAC WORKING KEY
- 5.) ENTER PIN WORKING KEY
- 6.) DOWNLOAD WORKING KEYS

ERROR CONDITIONS:

IMPORTANT: The **MAC MASTER KEY** must be entered before the **MAC Working key**. Likewise, the **PIN MASTER KEY** must be entered before the **PIN Working key**.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENTER MAC MASTER KEY

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select KEY MANAGEMENT.
- 4.) Choose the ENTER MAC MASTER KEY option.

ENTER 16 CHARACTER MAC MASTER
KEY, THEN PRESS OK

RE-ENTER MAC MASTER KEY.

DESCRIPTION:

NOTE: The MAC MASTER KEY feature is applicable only to terminals using Triton Standard ATM software and a Secure Pin Entry Device (SPED) module.

IMPORTANT: The MAC MASTER KEY must be entered before the MAC Working key.

MAC is an acronym for Message Authentication Code. The MAC MASTER KEY is used to protect the MAC WORKING KEY during manual entry or downloading of the working key. The MAC MASTER KEY is a 16-character string, consisting of the digits 0-9 and the letters A-F. Your processor must provide you with the MAC MASTER KEY. If a MAC authentication attempt on a message fails, the message will fail. This is a security precaution.

For security reasons, when entering this key, a '*' is displayed in place of the actual character. Since it is not possible to view the key while it is entered, the key must be entered in twice to make sure it was entered properly.

To enter a digit 0-9, simply press the key that has that digit, and a '*' will appear. To enter the letters A-F, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again. Press the <CHANGE> key to clear the entry and start over. Press the <LEFT ARROW> key to back up and erase a character.

SECTION 5 - MANAGEMENT FUNCTIONS

Normally, the MAC MASTER KEY contains only one part. However, some keys may contain multiple parts. If this is the case, separate individuals will hold the parts. If your key has multiple parts you must answer the question “ANOTHER KEY PART?”, with a YES until all parts are entered.

The CHECK DIGIT that appears after all parts of the MAC MASTER KEY have been entered is similar to the checksum that is used to verify that the data programmed into a memory device such as an EPROM is correct. The CHECK DIGIT can be verified by doing a RECEIPT PRINTER TEST from the DIAGNOSTICS Menu and comparing the MAC MASTER KEY CHECK DIGIT on the printout to the original receipt printout from the initial terminal setup. If the CHECK DIGIT is different from the original, and the terminal is not operating correctly, the MAC MASTER KEY is corrupt and you should contact your service organization for assistance.

ERROR CONDITIONS:

If the MAC MASTER KEY is not entered correctly, no message traffic can take place, so be sure to enter the key accurately. If your second entry of the key does not match the first entry, you will be warned and allowed to start over with the first entry.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENTER PIN MASTER KEY

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select KEY MANAGEMENT.
- 4.) Choose the ENTER PIN MASTER KEY option.

ENTER 16 CHARACTER PIN MASTER
THEN PRESS OK

RE-ENTER PIN MASTER KEY

DESCRIPTION:

IMPORTANT: The PIN MASTER KEY must be entered before the PIN Working key.

NOTE: The PIN MASTER KEY was referred to as the MASTER KEY in previous versions of ATM software.

The PIN MASTER KEY is used to protect the PIN WORKING KEY during manual entry or downloading of the working key. This key is a 16-character string, consisting of the digits 0-9 and the letters A-F. Your processor must provide you with the PIN MASTER KEY.

For security reasons, when entering this key, a '*' is displayed in place of the actual character. Since it is not possible to view the key while it is entered, the key must be entered in twice to make sure it was entered properly.

To enter a digit 0-9, simply press the key that has that digit, and a '*' will appear. To enter the letters A-F, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again. Press the <CHANGE> key to clear the entry and start over. Press the <LEFT ARROW> key to back up and erase a character.

Normally, the PIN MASTER KEY contains only one part. However, some keys may contain multiple parts. If this is the case, separate individuals will hold the parts. If your key has multiple parts you must answer the question "ANOTHER KEY PART?", with a YES until all parts are entered.

SECTION 5 - MANAGEMENT FUNCTIONS

The CHECK DIGIT that appears after all parts of the PIN MASTER KEY have been entered is similar to the checksum that is used to verify that the data programmed into a memory device such as an EPROM is correct. The CHECK DIGIT can be verified by doing a RECEIPT PRINTER TEST from the DIAGNOSTICS Menu and comparing the PIN MASTER KEY CHECK DIGIT on the printout to the original receipt printout from the initial terminal setup. If the CHECK DIGIT is different from the original, and the terminal is not operating correctly, the PIN MASTER KEY is corrupt, and you should contact your service organization for assistance.

ERROR CONDITIONS:

If the PIN MASTER KEY is not entered correctly, no message traffic can take place, so be sure to enter the key accurately. If your second entry of the key does not match the first entry, you will be warned and allowed to start over with the first entry.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: INJECT MASTER KEYS**FACTORY DEFAULT: N/A****ACCESS INSTRUCTIONS:**

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **KEY MANAGEMENT**.
- 4.) Choose the **INJECT MASTER KEYS** option.

WAITING FOR KEY INJECTION

PRESS CANCEL TO QUIT

DESCRIPTION:

The **INJECT MASTER KEYS** function is used in conjunction with a PC (Personnel Computer) and a special floppy disk to inject the master and working keys (as applicable) from the PC into a designated terminal. Selecting **INJECT MASTER KEYS** will cause the terminal to prepare for the load of the master key from the PC, using a serial data cable.

ERROR CONDITIONS:

Do not connect the load port on the Cash Dispenser to the parallel (printer) port of the PC!

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENTER MAC WORKING KEY

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select KEY MANAGEMENT.
- 4.) Choose the ENTER MAC WORKING KEY option.

ENTER 16 CHARACTER MAC WORKING
KEY, THEN PRESS 'OK'

RE-ENTER MAC WORKING KEY.

DESCRIPTION:

MAC is an acronym for Message Authentication Code. The MAC WORKING KEY is used to verify messages to and from the terminal. The MAC WORKING KEY is a 16-character string, consisting of the digits 0-9 and the letters A-F. Your processor must provide you with the MAC WORKING KEY. If a MAC authentication attempt on a message fails, the message will fail. This is a security precaution.

For security reasons, when entering this key, a '*' is displayed in place of the actual character. Since it is not possible to view the key while it is entered, the key must be entered in twice to make sure it was entered properly.

To enter a digit 0-9, simply press the key that has that digit, and a '*' will appear. To enter the letters A-F, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again. Press the <CHANGE> key to clear the entry and start over. Press the <LEFT ARROW> key to back up and erase a character.

Normally, the MAC WORKING KEY contains only one part. However, some keys may contain multiple parts. If this is the case, separate individuals will hold the parts. If your key has multiple parts you must answer the question "ANOTHER KEY PART?", with a YES until all parts are entered.

SECTION 5 - MANAGEMENT FUNCTIONS

The CHECK DIGIT that appears after all parts of the MAC WORKING KEY have been entered is similar to the checksum that is used to verify that the data programmed into a memory device such as an EPROM is correct. The CHECK DIGIT can be verified by doing a RECEIPT PRINTER TEST from the DIAGNOSTICS Menu and comparing the MAC WORKING KEY CHECK DIGIT on the printout to the original receipt printout from the initial terminal setup. If the CHECK DIGIT is different from the original, and the terminal is not operating correctly, the MAC WORKING KEY is corrupt, and you should contact your service organization for assistance.

ERROR CONDITIONS:

If the MAC WORKING KEY is not entered correctly, no message traffic can take place, so be sure to enter the key accurately. If your second entry of the key does not match the first entry, you will be warned and allowed to start over with the first entry.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENTER PIN WORKING KEY

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select KEY MANAGEMENT.
- 4.) Choose the ENTER PIN WORKING KEY option.

ENTER 16 CHARACTER PIN WORKING
THEN PRESS 'OK'

RE-ENTER PIN WORKING KEY

DESCRIPTION:

NOTE: The PIN WORKING KEY was referred to as the COMMS KEY in previous versions of ATM software.

The PIN WORKING KEY is used to verify the customer Personal Identification Number during live transactions. This key is a 16-character string, consisting of the digits 0-9 and the letters A-F. Your processor must provide you with the PIN WORKING KEY.

For security reasons, when entering this key, a '*' is displayed in place of the actual character. Since it is not possible to view the key while it is entered, the key must be entered twice to make sure it was entered properly.

To enter a digit 0-9, simply press the key that has that digit, and a '*' will appear. To enter the letters A-F, first press the <BLUE> key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the <RIGHT ARROW> key to 'lock in' the letter. If your next character is a letter, you must press the <BLUE> key again. Press the <CHANGE> key to clear the entry and start over. Press the <LEFT ARROW> key to back up and erase a character.

Normally, the PIN WORKING KEY contains only one part. However, some keys may contain multiple parts. If this is the case, separate individuals will hold the parts. If your key has multiple parts you must answer the question "ANOTHER KEY PART?", with a YES until all parts are entered.

SECTION 5 - MANAGEMENT FUNCTIONS

The CHECK DIGIT that appears after all parts of the PIN WORKING KEY have been entered is similar to the checksum that is used to verify that the data programmed into a memory device such as an EPROM is correct. The CHECK DIGIT can be verified by doing a RECEIPT PRINTER TEST from the DIAGNOSTICS Menu and comparing the PIN WORKING KEY CHECK DIGIT on the printout to the original receipt printout from the initial terminal setup. If the CHECK DIGIT is different from the original, and the terminal is not operating correctly, the PIN WORKING KEY is corrupt, and you should contact your service organization for assistance.

ERROR CONDITIONS:

If the PIN WORKING KEY is not entered correctly, no message traffic can take place, so be sure to enter the key accurately. If your second entry of the key does not match the first entry, you will be warned and allowed to start over with the first entry.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DOWNLOAD WORKING KEYS

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **KEY MANAGEMENT**.
- 4.) Choose the **DOWNLOAD WORKING KEYS** option.



DESCRIPTION:

The **WORKING KEYS** are the **MAC** and **PIN WORKING KEYS**, as described earlier. They are made up of 16-character strings, consisting of the digits 0-9 and the letters A-F. Your processor may provide you with the **WORKING KEYS**, or they may be downloaded from the processor host computer.

These keys must be loaded before the Cash Dispenser can operate in a live mode.

When the **DOWNLOAD WORKING KEYS** function is run, a call is placed to your host computer, and a request is made for the keys to be sent. The host will send the keys and several other parameters (such as the surcharge amount, if applicable). Once downloaded, these parameters will remain in the Cash Dispenser, even if it is turned off.

The **TERMINAL NUMBER** and **PRIMARY PHONE NUMBER** must be set before completing this function. If they are not set correctly, the **WORKING KEYS** will not be downloaded.

ERROR CONDITIONS:

If the call cannot be completed, a warning screen will be displayed. If the function continues to fail, contact your service organization for assistance.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TELEPHONE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select TELEPHONE.

HOST TELEPHONE NUMBERS	
PRIMARY NUMBER	
BACKUP NUMBER	COMPUSERVE ID
DATAPAK ACCESS CODE	MODEM SETUP
PREDIAL OFF	EXIT

DESCRIPTION:

The TELEPHONE function is used to set up parameters that control telephone communications between the Cash Dispenser and the Processor. The following parameters are accessed through this function.

- 1.) PRIMARY NUMBER
- 2.) BACKUP NUMBER
- 3.) DATAPAK ACCESS CODE (This feature is only available for ATMs deployed in Canada.)
- 4.) PREDIAL ON/OFF
- 5.) COMPUSERVE ID
- 6.) MODEM SETUP

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRIMARY NUMBER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **PRIMARY NUMBER** option.

PRIMARY PHONE NUMBER

ENTER NEW NUMBER & PRESS 'OK'

CHANGE EXIT

DESCRIPTION:

The Cash Dispenser communicates to your host processor over a dial up phone line. The phone number of the processor must be entered before live transactions can be done.

When this function is selected, the current phone number is displayed (if nothing appears on the screen, no number is set). Select **CHANGE** to blank the current entry, and then enter the desired phone number. The phone number may be up to 15 digits long. It can also contain a dialing prefix, such as a '9' for an outside line, if necessary. If you need to pause after the prefix, place a comma in the number for a two-second delay at that point. Pressing the <BLUE> key first, then the <0> key, followed by the <RIGHT ARROW> key will select the comma character. Make sure to enter the long distance prefix '1' if you are dialing an 800 number or a toll long distance number. Do not enter dashes in the number.

ERROR CONDITIONS:

The Cash Dispenser will not process transactions if the phone number has not been entered or has been entered incorrectly. In such cases error code "**185 - Phone Number Not Configured**", will be received.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: BACKUP NUMBER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **BACKUP NUMBER** option.

DESCRIPTION:

The Cash Dispenser communicates with your Processors' host computer over a dial up phone line. Some processors allow a backup phone number to try if the primary number fails to connect.

When this function is selected, the current phone number is displayed (if nothing appears on the screen, no number is set). Select **CHANGE** to blank the current entry, and then enter the desired phone number. The phone number may be up to 15 digits long. It can also contain a dialing prefix, such as a '9' for an outside line, if necessary. If you need to pause after the prefix, place a comma in the number for a two-second delay at that point. Pressing the <BLUE> key first, then the <0> key, followed by the <RIGHT ARROW> select the comma. Make sure to enter the long distance prefix '1' if you are dialing an 800 number or a toll long distance number. Do not enter dashes in the number.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

BACKUP TELEPHONE NUMBER

ENTER NEW NUMBER & PRESS 'OK'

CHANGE

EXIT

TRITON SYSTEMS, INC.

5-111

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DATAPAK ACCESS CODE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select TELEPHONE.
- 4.) Select DATAPAK ACCESS CODE.



DESCRIPTION:

NOTE: This feature is only available for Canadian-region ATMs.

This function allows you to enter the DATAPAK ACCESS CODE, and to turn the DataPak feature On or OFF. The DATAPAK ACCESS CODE is provided by the DataPak processing organization, and is an identification number which enables the DataPak processing organization to correctly identify and route data traffic between the terminal and the transaction processor.

The current state of the DATAPAK ACCESS CODE feature is shown as either ON or OFF in the label on the left-hand side of the display. Press the button next to this label to toggle the state of the feature between ON and OFF.

IMPORTANT: When using the DATAPAK communications protocol, ensure the terminal's Primary and Backup Telephone Numbers are configured to dial the DataPak processing organization (NOT the transaction processor!).

ERROR CONDITIONS:

If a DATAPAK-based communications network is being used, the DATAPAK ACCESS CODE feature must be turned ON and the code must be entered correctly to enable message traffic between the ATM and the processor to take place.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PREDIAL ON/OFF

FACTORY DEFAULT: OFF

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.

HOST TELEPHONE NUMBERS	
PRIMARY NUMBER	
BACKUP NUMBER	COMPUSERVE ID
DATAPAK ACCESS CODE	MODEM SETUP
PREDIAL OFF	EXIT

DESCRIPTION:

This function allows you to turn on or off the PREDIAL feature. When the feature is turned ON, the terminal will dial out to the processor and establish a connection as soon as the customer's ATM or credit card has been scanned by the card reader. The purpose of this mode of operation is to provide quicker processing of customer transactions. When the feature is turned OFF, the terminal will wait until the customer has selected a particular transaction before dialing out and establishing a connection with the processor.

The current state of the PREDIAL feature is shown as either ON or OFF in the label on the left-hand side of the display. Press the button next to this label to toggle the state of the feature between ON and OFF.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: COMPUSERVE ID

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **COMPUSERVE ID** option.

DESCRIPTION:

The CompuServe Network is used by some processors to route transactions. The **COMPUSERVE ID** function allows the terminal operator or a service technician to view and change the **COMPUSERVE ROUTING ID** number.

ERROR CONDITIONS:

When CompuServe is used as the communication media for sending and receiving transaction data to the Processor, an incorrect CompuServe ID will cause communication between the terminal and the Processor to fail. **Never change the COMPUSERVE ID unless instructed to do so by your processor.**



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MODEM SETUP

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **MODEM SETUP** option.

MODEM CONFIGURATION

DIAL MODE	MODEM SETUP STRING
DIAL RATE	RESET/TEST MODEM
BAUD RATE	EXIT

DESCRIPTION:

Selecting the **MODEM SETUP OPTION** from the **TELEPHONE** screen allows the terminal operator to select the following parameters:

- 1.) DIAL MODE
- 2.) DIAL RATE
- 3.) BAUD RATE
- 4.) MODEM SETUP STRING
- 5.) RESET/TEST MODEM

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DIAL MODE

FACTORY DEFAULT: 'DTMF'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **MODEM SETUP** option.
- 5.) Select **DIAL MODE**.

DIAL MODE

DTMF

DTMF
(TOUCH-TONE)

PULSE
(ROTARY)

EXIT

DESCRIPTION:

The modem is configured to dial in either the touch-tone mode (DTMF), or in the rotary (PULSE) mode. Consult with the local phone company to determine which option is supported. After selecting the dial mode, be certain to execute the **RESET/TEST MODEM** function. The new dial mode does not take effect until you do this. The factory default for the function is **DTMF**.

ERROR CONDITIONS:

If the local phone exchange does not support touch-tone, and the terminal is configured for **DTMF** mode, no calls will be completed. Rotary will work on touch-tone systems, but should not be used if touch-tone is available. Rotary mode will dial much slower than **DTMF**.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DIAL RATE

TOUCH TONE DIAL RATE

FAST

FAST (70 ms)	SLOW (255 ms)
MED. (150 ms)	EXIT

FACTORY DEFAULT: 'FAST'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **MODEM SETUP** option.
- 5.) Select **DIAL RATE**.

DESCRIPTION:

The internal modem can be configured to send dial tones at one of three speeds. The possible values are **FAST** (70 milliseconds), **MED.** (150 ms), and **SLOW** (255 ms). The default value from the factory is **FAST**. After changing the dial rate, be certain to execute the **RESET/TEST MODEM** function. The new dial rate does not take effect until you do this.

ERROR CONDITIONS:

There are no error conditions directly associated with this function, but if calls seem to fail, try a slower setting.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: BAUD RATE

FACTORY DEFAULT: '1200'

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **MODEM SETUP** option.
- 5.) Select **BAUD RATE**.

DESCRIPTION:

The bit rate of the modem can be controlled with this function. The rate can be set to 2400 or 1200 bits per second (bps). The default rate depends on your processor. Do not select 2400 if your processor does not support it.

ERROR CONDITIONS:

If the speed of the modem is set to 2400 bps, it may not connect to a 1200 bps system. The baud rate of the modem should always be set to the value indicated by your processor.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MODEM SETUP STRING

FACTORY DEFAULT: MODEM-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **MODEM SETUP** option.
- 5.) Select **MODEM SETUP STRING**.

The screenshot shows a terminal screen with a grey background. At the top, a box contains the text 'MODEM SETUP STRING'. Below this is a large area with a dashed yellow line, indicating where the user can enter a modem setup string. At the bottom of the screen, there are two buttons: 'CHANGE' on the left and 'EXIT' on the right.

DESCRIPTION:

If special circumstances require a nonstandard modem configuration, a Hayes-compatible setup string can be sent to the modem when it is initialized.

ERROR CONDITIONS:

Setting this value incorrectly will cause communication failure due to improper modem setup. **Consult Triton's Technical Service Department before changing this parameter.**

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: RESET/TEST MODEM

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **TELEPHONE**.
- 4.) Select the **MODEM SETUP** option.
- 5.) Select **RESET/TEST MODEM**.

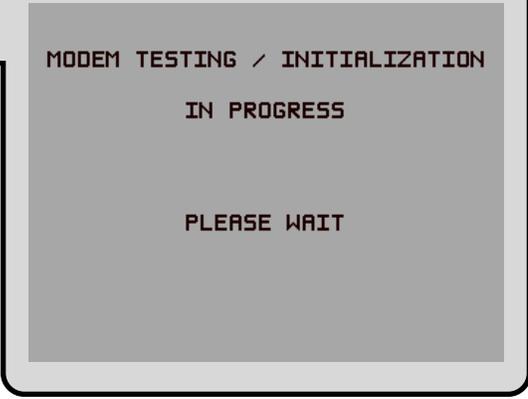
DESCRIPTION:

This function is used to reset and test the internal modem. It should be run after setting any of the modem configuration parameters to make sure an error was not made. It **MUST** be run after changing the **DIAL MODE** or **DIAL RATE**, otherwise these new values will not take effect until the unit is turned off and back on again.

At the conclusion of the test a screen will appear indicating that the **MODEM CONFIGURED AND TESTED OK**.

ERROR CONDITIONS:

An error message will indicate a problem if the setup string is invalid or the modem is not responding.



MODEM TESTING / INITIALIZATION
IN PROGRESS

PLEASE WAIT

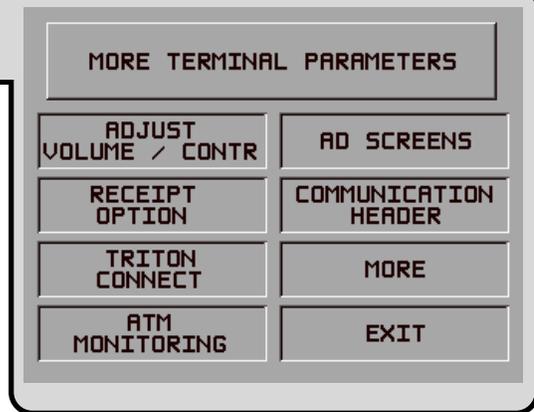
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MORE (TERMINAL PARAMETERS)

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Choose MORE.



DESCRIPTION:

Selecting the MORE TERMINAL PARAMETERS option from the TERMINAL PARAMETERS allows the terminal operator or a service technician to view or change the following:

- 1.) ADJUST VOLUME AND CONTRAST
- 2.) RECEIPT OPTION
- 3.) TRITON CONNECT
- 4.) ATM MONITORING
- 5.) AD SCREENS
- 6.) COMMUNICATION HEADER
- 7.) MORE

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ADJUST VOLUME/CONTR

FACTORY DEFAULT: VOL: Maximum
CONTRAST: Mid-Range

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select MORE.
- 4.) Choose ADJUST VOLUME/CONTR.

DESCRIPTION:

This feature allows the terminal operator to adjust the speaker volume and the contrast of the display.

To adjust the level of the volume of the beeps emanating from the speaker, press the designated UP or DOWN keys next to the display. Change the contrast of the display by selecting the designated UP or DOWN key to set the display contrast for best viewing.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: RECEIPT OPTION

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Choose **RECEIPT OPTION**.

DESCRIPTION:

This feature allows the customer to select the option of receiving or not receiving a receipt at the completion of a transaction. When **RECEIPT OPTION** is **ENABLED** the customer is presented with a message at the conclusion of the transaction asking whether they want a receipt or not. If they respond **NO** to the question, a receipt is not dispensed. If they respond **YES** to the question a receipt is printed. If the customer does not respond to the question, a receipt is automatically printed after a forty-second delay.

If you don't want the customer to have this option, **DISABLE** the **RECEIPT OPTION**. Customers will then receive a receipt after every transaction.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TRITON CONNECT

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Choose **TRITON CONNECT**.

DESCRIPTION:

Selecting the **TRITON CONNECT** function allows the terminal operator to set up the following parameters associated with Triton Connect:

- 1.) **PRIMARY NUMBER**
- 2.) **BACKUP NUMBER**
- 3.) **ALARM NUMBERS**
- 4.) **CALL BACK (ENABLE\DISABLE)**
- 5.) **TRITON CONNECT (ENABLE\DISABLE)**

NOTE: Triton Connect is an option and may not be installed on your terminal.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRIMARY NUMBER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **TRITON CONNECT**.
- 5.) Choose **PRIMARY NUMBER**.



DESCRIPTION:

The **PRIMARY NUMBER** function is used to enter the number that the terminal can use for calling back the Triton Connect Host Computer.

When this function is selected, the current phone number is displayed (if nothing appears on the screen, no number is set). Select **CHANGE** to blank the current entry, and then enter the desired phone number. The phone number may be up to 15 digits long. It can also contain a dialing prefix, such as a '9' for an outside line, if necessary. If you need to pause after the prefix, place a comma in the number for a two-second delay at that point. Pressing the <BLUE> key first, then the <0> key, followed by the <RIGHT ARROW> key to select the comma character. Make sure to enter the long distance prefix '1' if you are dialing an 800 number or a toll long distance number. Do not enter dashes in the number.

ERROR CONDITIONS::

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: BACKUP NUMBER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **TRITON CONNECT**.
- 5.) Choose **BACKUP NUMBER**.

DESCRIPTION:

The **BACKUP NUMBER** function is used to enter a backup number that the terminal can use for calling back the Triton Connect computer.

When this function is selected, the current phone number is displayed (if nothing appears on the screen, no number is set). Select **CHANGE** to blank the current entry, and then enter the desired phone number. The phone number may be up to 15 digits long. It can also contain a dialing prefix, such as a '9' for an outside line, if necessary. If you need to pause after the prefix, place a comma in the number for a two-second delay at that point. Press the <BLUE> key, then the <0> key, followed by the <RIGHT ARROW> key to select the comma character. Make sure to enter the long distance prefix '1' if you are dialing an 800 number or a toll long distance number. Do not enter dashes in the number.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

BACKUP TELEPHONE NUMBER

ENTER NEW NUMBER & PRESS 'OK'

CHANGE

EXIT

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ALARM NUMBERS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Choose **TRITON CONNECT**.
- 5.) Choose **ALARM NUMBERS**.

DESCRIPTION:

In some applications the terminal monitoring organization may require different telephone numbers for alarm reporting purposes. This could enable a third party service organization, for example, to be notified of alarm conditions that can occur during non-business hours. Selecting the **ALARM NUMBERS** option brings up a menu that allows the terminal operator to select and configure the Primary and Backup Triton Connect Alarm Numbers.

NOTE: Triton Connect is an option and may not be installed on your terminal.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: PRIMARY ALARM NUMBER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select MORE.
- 4.) Select TRITON CONNECT.
- 5.) Select ALARM NUMBERS.
- 6.) Choose PRIMARY.

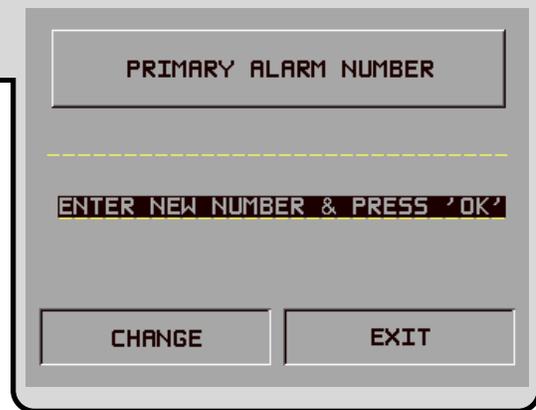
DESCRIPTION:

The PRIMARY ALARM NUMBER function is used to enter the telephone number that the terminal can use for calling back the Triton Connect Host Computer.

When this function is selected, the current phone number is displayed (if nothing appears on the screen, no number is set). Select CHANGE to blank the current entry, and then enter the desired phone number. The phone number may be up to 15 digits long. It can also contain a dialing prefix, such as a '9' for an outside line, if necessary. If you need to pause after the prefix, place a comma in the number for a two-second delay at that point. Pressing the <BLUE> key first, then the <0> key, followed by the <RIGHT ARROW> key to select the comma character. Make sure to enter the long distance prefix '1' if you are dialing an 800 number or a toll long distance number. Do not enter dashes in the number.

ERROR CONDITIONS::

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: BACKUP ALARM NUMBER

FACTORY DEFAULT: NONE

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select MORE.
- 4.) Select TRITON CONNECT.
- 5.) Select ALARM NUMBERS.
- 6.) Choose BACKUP.

BACKUP ALARM NUMBER

ENTER NEW NUMBER & PRESS 'OK'

CHANGE

EXIT

DESCRIPTION:

The BACKUP ALARM NUMBER function is used to enter a backup telephone number that the terminal can use for calling back the Triton Connect computer.

When this function is selected, the current phone number is displayed (if nothing appears on the screen, no number is set). Select CHANGE to blank the current entry, and then enter the desired phone number. The phone number may be up to 15 digits long. It can also contain a dialing prefix, such as a '9' for an outside line, if necessary. If you need to pause after the prefix, place a comma in the number for a two-second delay at that point. Press the <BLUE> key, then the <0> key, followed by the <RIGHT ARROW> key to select the comma character. Make sure to enter the long distance prefix '1' if you are dialing an 800 number or a toll long distance number. Do not enter dashes in the number.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENABLE/DISABLE CALL BACK

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **TRITON CONNECT**.



DESCRIPTION:

Normally, when the Triton Connect Host Computer contacts a terminal, it will hang up and wait for the terminal to **CALL BACK**. This is done for security reasons. The **CALL BACK** option allows the terminal operator to enable and disable this feature.

Once you've reached the **TRITON CONNECT** screen, the **CALL BACK** button will present an option to reverse the current state of the feature. For example, if **CALL BACK** is currently **ENABLED**, the **CALL BACK** option button will show the **DISABLE CALL BACK** option. Conversely, if **CALL BACK** is currently **DISABLED**, the **CALL BACK** option button will show the **ENABLE CALL BACK** option.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ENABLE/DISABLE TRITON CONNECT

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **TRITON CONNECT**.

TRITON CONNECT

TRITON CONNECT IS **DISABLED**

CALL BACK IS **ENABLED**

PRIMARY NUMBER	DISABLE CALL BACK
BACKUP NUMBER	ENABLE TRITON CONNECT
ALARM NUMBERS	EXIT

DESCRIPTION:

If the Triton Connect feature has been **ACTIVATED** (using the **ACTIVATE** function), this function can be used to **ENABLE** or **DISABLE** Triton Connect access to the terminal.

Once you've reached the **TRITON CONNECT** screen, the **TRITON CONNECT** button will present an option to reverse the current state of this feature. For example, if Triton Connect is currently **ENABLED**, the button will show the **DISABLE TRITON CONNECT** option. Conversely, if Triton Connect is currently **DISABLED**, the option button will show the **ENABLE TRITON CONNECT** option.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ATM MONITORING

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select MORE.
- 4.) Select ATM MONITORING.

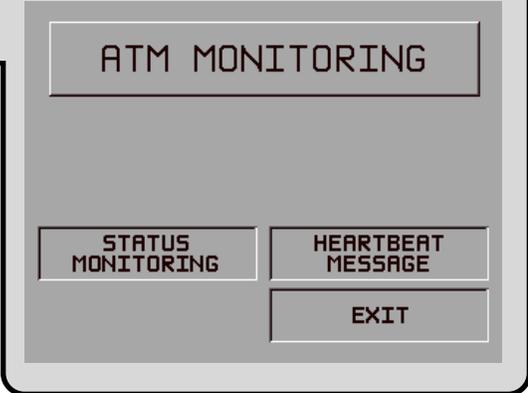
DESCRIPTION:

The ATM Monitoring screen provides access to the following functions:

- 1.) STATUS MONITORING. When this feature is enabled the terminal will send operational status information to the processor during the certain transactions.
- 2.) HEARTBEAT MESSAGE. The Heartbeat Message feature is designed to provide a means of reporting communications system status to the host processor.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: STATUS MONITORING

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 3.) Select **ATM MONITORING**.
- 4.) Select **STATUS MONITORING**.

DESCRIPTION:

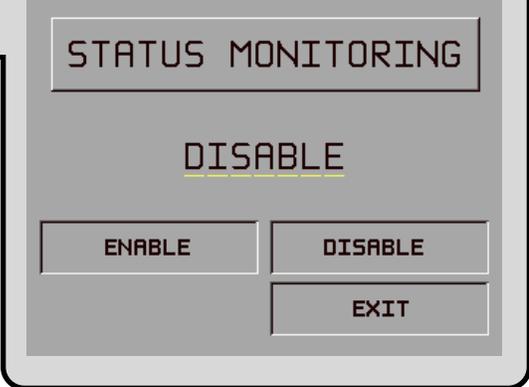
STATUS MONITORING is a feature that is available with selected processor software. When enabled the terminal will send operational status information to the processor during certain transactions with the processor. The status information is sent in a data field that is part of any of the following messages sent to the processor:

- 1.) A Transaction Request Message
- 2.) Configuration Table Download Request Message (Comms Key Download)
- 3.) Host Totals Download Request Message
- 4.) Reversal Request Message.

Turn this feature on by selecting the **ENABLE** option on this screen. Select **DISABLE** to inhibit the operation of the **STATUS MONITORING** feature.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



The screenshot shows a terminal screen with a grey background. At the top, a box contains the text "STATUS MONITORING". Below this, the word "DISABLE" is displayed in a larger font, with a yellow underline. At the bottom of the screen, there are three rectangular buttons: "ENABLE" on the left, "DISABLE" on the right, and "EXIT" centered below the other two.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: HEARTBEAT MESSAGE

FACTORY DEFAULT: DISABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **ATM MONITORING**.
- 5.) Select **HEARTBEAT MESSAGE**.

HEARTBEAT MESSAGE IS: ENABLED
AND
THE DELAY PERIOD IS: ___ MINUTES

ENABLE	CHANGE DELAY PERIOD
DISABLE	EXIT

DESCRIPTION:

The **HEARTBEAT MESSAGE** feature is designed to provide a means of reporting communications system status to the host processor.

Status reporting by dial-up ATMs is now the norm, but the single most important feature that cannot be monitored is the communications status. The absence of transactions from a particular terminal can mean one of two things. Usually the lack of calls indicates nothing more than a slow period. Sometimes, though, a piece of the communications system will fail and inhibit any calls from being made. The host has no way of determining which scenario is occurring in any kind of real-time mode. The Heartbeat Message overcomes this limitation.

When this feature is **ENABLED**, the terminal will call the host after a period of inactivity. During this call, the terminal will request a **COMMS KEY DOWNLOAD** (the normal configuration download request), and will also report status (if the **STATUS MONITORING** function is **ENABLED**). This allows the host to determine if a particular terminal is still in operation, even though it may not be performing any transactions at the time. With this feature enabled, the host can finally monitor communications system failures.

The Heartbeat Message feature on the Cash Dispenser has several parameters that must be set to operate properly. These parameters are:

- 1.) **HEARTBEAT MESSAGE**. This parameter turns on or off the regular call to the host.
- 2.) **DELAY PERIOD**. This parameter sets the time interval that must expire before a Heartbeat Message will be sent. It is specified in minutes.

SECTION 5 - MANAGEMENT FUNCTIONS

Once the Heartbeat Message call feature is enabled at the terminal, an internal timer will be initialized to the number of minutes set in the DELAY PERIOD parameter at system power-up and after a reset. This timer is restarted each time a call is made to the host. A call to the host is defined as any transaction, including financial, balancing and configuration that actually communicates with the host to the point that the Terminal ID is recognized. A customer transaction that is declined will reset the timer, while a call that fails because the host phone number was busy would not.

It is important to remember that as long as transactions are being done on the terminal on a regular basis, Heartbeat Message calls will not be made. The sole purpose of these calls is to let the host know that the terminal is OK when it is NOT performing regular transactions.

Because the primary purpose of the Heartbeat Message call is to let the host know everything is all right, a Heartbeat Message call that DOES NOT succeed for any reason is not retried. If the call does fail, the interval timer will be reset and the terminal will remain in service.

While the concept of the Heartbeat Message call is simple, interpreting the absence of an expected call must be explained. Listed below are reasons why Heartbeat Message calls will not be received at the host either when expected or at all.

Feature Not Turned On

Obviously, if the feature is not enabled, no Heartbeat Message calls will be made.

Terminal is Doing Transactions

If the terminal does at least one regular customer transaction or balancing transaction before the interval timer, no Heartbeat Message call will be made.

Terminal is in Management Function Mode

Heartbeat Message calls are suspended while the terminal is in the Management mode, although the interval timer continues to run. If the timer expires while the terminal is in this mode, the call will be delayed until the terminal returns to the normal service mode.

Terminal is Out of Service

When the terminal goes out of service, one Heartbeat Message call is made. After that call, all further calls are suspended until it is returned to normal service.

SECTION 5 - MANAGEMENT FUNCTIONS

Terminal is Turned Off or Power Has Failed

If the terminal is turned off, no calls will be made. While an obvious point, it means that for this feature to be of any value, the terminal must always remain on.

Communications System Has Failed

A failure of any piece of the communications system will result in missed calls. This includes the terminal modem, the phone line to the terminal, and any intermediate telecommunications providers.

Terminal Was Reset or Power Cycled

Since the interval timer is reset when the terminal is reset, a scheduled call may not occur at the expected time.

To realize the benefits of the Heartbeat Message, the host must be programmed to monitor the interval between calls from the terminal. It is important to note, though, that the host interval threshold should be set to a value greater than that programmed at the terminal. A practical guideline is at least twice the terminal interval. This allows for Heartbeat Message calls that are delayed because the terminal is in Management mode, or calls skipped because of a system reset.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

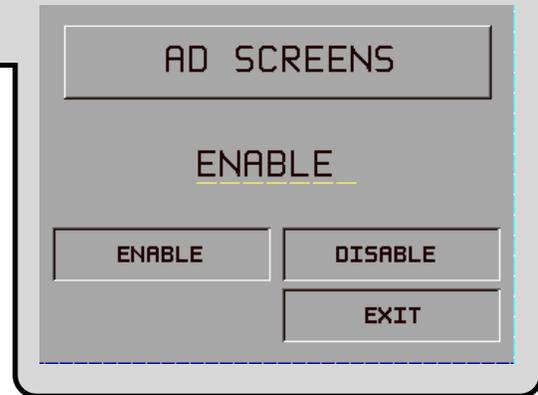
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: AD SCREENS

FACTORY DEFAULT: ENABLED

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **AD SCREENS**.



DESCRIPTION:

The terminal must have at least one Memory Expansion Card installed for this feature to operate. AD SCREENS is a feature that causes the display on an idle terminal to alternate between the WELCOME SCREEN and a screen containing graphics and text elements used to make an advertisement screen. AD SCREENS are created in a special graphics editor that runs from the Triton Connect Terminal Managers program. The graphics editor lets the user import 16-color bit-mapped graphic files in the '.bmp' format with a maximum resolution of 320 dots by 240 dots. The graphic can then be relocated in the display area. Then text can be added to the display and the graphic and text are saved in the proprietary '.TCG' (Triton Connect Graphic) file format. TCG files can then be downloaded to the terminals' Expansion Memory Card for display on the screen. In addition to the graphic, data is also downloaded that establishes what time of day and for how long the Ad Screen is displayed.

Selecting **ENABLE** from the **AD SCREENS** Menu turns on the **AD SCREENS** feature. Selecting **DISABLE** turns off the feature.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: COMMUNICATION HEADER

FACTORY DEFAULT: PROCESSOR-SPECIFIC

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **COMMUNICATION HEADER**.



DESCRIPTION:

The **COMMUNICATION HEADER** is an optional feature that is only applicable to certain processors. When a specified processor requires the use of the **COMMUNICATIONS HEADER** it must be **ENABLED** and have the correct data in the header data field. The **COMMUNICATION HEADER** data field consists of alphanumeric characters.

To enter a digit 0-9, press the key that has that digit. To enter a letter, first press the **<BLUE>** key, then press the key that has the letter you want on it. The first press of the key will display the first character above the number. Subsequent presses will display the characters in sequence. When the character you want is displayed, press the **<RIGHT ARROW>** key to 'lock in' the character. If your next character is a letter, you must press the **<BLUE>** key again.

ERROR CONDITIONS:

Enabling the **COMMUNICATION HEADER** when using a processor that doesn't use this feature will prevent any type of transaction from completing. Disabling or having incorrect data in the **COMMUNICATION HEADER** data field (if the feature is required) will also prevent any type of transaction from processing.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: MORE (TERMINAL PARAMETERS)

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.



DESCRIPTION:

This screen allows you to select additional terminal parameters functions. The functions available are **ALARM THRESHOLDS** and **VIEW/MODIFY OPTIONS**. **ALARM THRESHOLDS** is used to monitor the status of various parameters (such as number of journal entries, or the level of cash remaining in the cassette), and determines at what point a notification message will be sent to a remote computer. This remote computer must be running Triton Connect monitoring software.

The **VIEW/MODIFY OPTIONS** function is used to activate or deactivate special terminal features such as Triton Connect.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ALARM THRESHOLDS

FACTORY DEFAULT: OFF

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.
- 5.) Select **ALARM THRESHOLDS**.

DESCRIPTION:

This function allows you to turn on or off the **LOW CASH THRESHOLD**, **JOURNAL THRESHOLD**, and **SCHEDULED JOURNAL** features.

- 1.) **LOW CASH THRESHOLD**. When this feature is turned ON, the terminal sends a notification message to a remote Triton Connect computer if the amount of cash in the cassette falls below the level specified using the **SET LOW CASH THRESHOLD** function. When this feature is turned OFF, no notification message will be sent.
- 2.) **JOURNAL THRESHOLD**. When this feature is turned ON, the terminal will send a notification message to a remote Triton Connect computer if the number of entries in the journal exceeds the level specified using the **SET JOURNAL THRESHOLD** function. When this feature is turned OFF, no notification message will be sent.
- 3.) **SCHEDULED JOURNAL**. When this feature is turned ON, the terminal will automatically send all journal data to a remote Triton Connect computer at a time established using the **SET SCHEDULED JOURNAL** function. When this feature is turned OFF, the journal will not be sent automatically.

The current state of each function is shown as either **ON** or **OFF** in the applicable label on the left-hand side of the display. Press the button next to the applicable label to toggle the state of the feature between **ON** and **OFF**.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

CASH THRESHOLD = _____
 JOURNAL THRESHOLD = _____
 JOURNAL SCHEDULE = ____ : 00

LOW CASH THRESHOLD	OFF	SET LOW CASH THRESHOLD
JOURNAL THRESHOLD	OFF	SET JOURNAL THRESHOLD
SCHEDULED JOURNAL	OFF	SET SCHEDULED JOURNAL
EXIT		

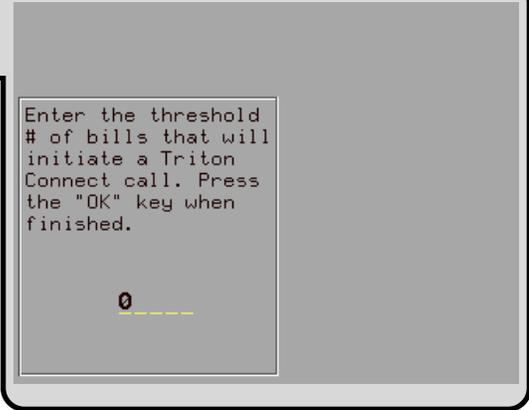
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET LOW CASH THRESHOLD

FACTORY DEFAULT: 0

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.
- 5.) Select **ALARM THRESHOLDS**.
- 6.) Select **SET LOW CASH THRESHOLD**.



```
Enter the threshold
# of bills that will
initiate a Triton
Connect call. Press
the "OK" key when
finished.
```

0

DESCRIPTION:

This function allows you to enter the number of bills that will act as a low cash threshold. When the number of bills in the cassette drops below the value set in this function, the terminal will automatically send a notification message to a remote Triton Connect computer.

To ensure the accuracy of the threshold, make sure to use the **ENTER QTY. IN CASSETTE** function after replenishing the cash in the cassette.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

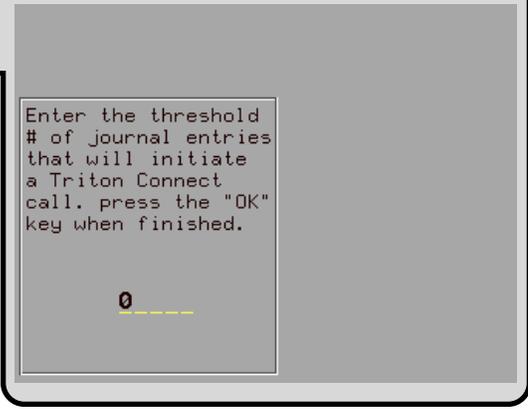
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET JOURNAL THRESHOLD

FACTORY DEFAULT: 0

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.
- 5.) Select **ALARM THRESHOLDS**.
- 6.) Select **SET JOURNAL THRESHOLD**.



```
Enter the threshold
# of journal entries
that will initiate
a Triton Connect
call. press the "OK"
key when finished.
```

0 _____

DESCRIPTION:

This function allows you to enter the number of journal entries that will act as a threshold. When the number of journal entries rises above the value set in this function, the terminal will automatically contact the remote Triton Connect computer and initiate a transfer of the journal.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

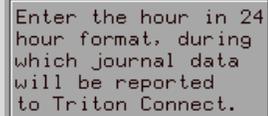
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET SCHEDULED JOURNAL

FACTORY DEFAULT: 0

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.
- 5.) Select **ALARM THRESHOLDS**.
- 6.) Select **SET SCHEDULED JOURNAL**.



Enter the hour in 24
hour format, during
which journal data
will be reported
to Triton Connect.

___ : 00

DESCRIPTION:

This function allows you to enter the time at which the terminal will automatically contact a remote Triton Connect computer and initiate a transfer of the journal.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

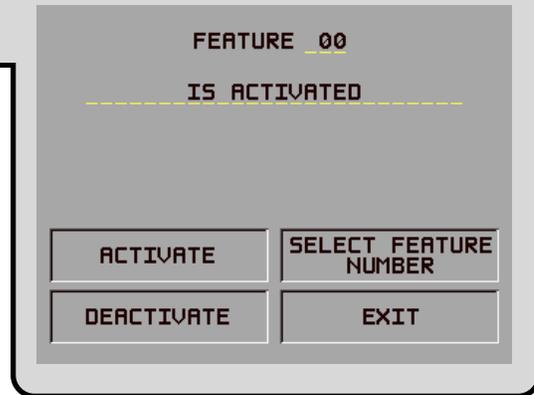
SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: VIEW/MODIFY OPTIONS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select MORE.
- 4.) Select MORE.
- 5.) Select VIEW/MODIFY OPTIONS.



DESCRIPTION:

The VIEW/MODIFY OPTIONS FUNCTION provides access to terminal parameters for setting the following:

- 1.) ACTIVATE (A selected feature.)
- 2.) DEACTIVATE (A selected feature.)
- 3.) SELECT FEATURE NUMBER

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ACTIVATE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.
- 5.) Select **VIEW/MODIFY OPTIONS**.
- 6.) Choose **ACTIVATE**.

DESCRIPTION:

To activate a **FEATURE** an activation code must be obtained from the Triton Systems, Inc., Technical Support Department. When calling Triton Systems Inc., you will be asked to provide the serial number that is displayed on the **FEATURE 00 SERIAL NUMBER** screen.

Once the activation code is obtained, select the **ACTIVATE** option from the **FEATURE 00** Menu to display the **FEATURES 00 SERIAL NUMBER** screen. Enter the activation code into the terminal while the **FEATURE 00 SERIAL NUMBER** screen is displayed. Press **<OK>**. If the activation code is correct, a screen informing you that the terminal must be reset to activate the feature is displayed. Reset the terminal by depressing the **RESET** switch on the card cage or cycling the **Main Power Switch** on the **Power Supply** from **ON** to **OFF** to **ON**.

If the activation code is entered incorrectly, the terminal will beep 4 times and return to the **FEATURE 00** Menu.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DEACTIVATE

ARE YOU SURE?

NO, CANCEL

YES, CONTINUE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Select **SET TERMINAL PARAMETERS**.
- 3.) Select **MORE**.
- 4.) Select **MORE**.
- 5.) Select **VIEW/MODIFY OPTIONS**.
- 6.) Choose **DEACTIVATE**.

DESCRIPTION:

To **DEACTIVATE** a Feature select the **DEACTIVATE** option from the **FEATURE** menu. When **DEACTIVATE** is selected a confirmation screen (“**ARE YOU SURE?**”) is displayed. Select **YES, CONTINUE** on the confirmation screen and the **FEATURE** Menu will be displayed indicating Feature 00 “**IS NOT ACTIVE**” .

Selecting the **NO, CANCEL** option when “**ARE YOU SURE?**” is displayed will return the display to the **FEATURE** main menu.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SELECT FEATURE NUMBER

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Select SET TERMINAL PARAMETERS.
- 3.) Select MORE.
- 4.) Select MORE.
- 5.) Select VIEW/MODIFY OPTIONS.
- 6.) Choose SELECT FEATURE NUMBER.



DESCRIPTION:

Selects the feature number to examine or to activate/deactivate. For example, entering the numbers “00” selects the Triton Connect feature. The current status of the feature will be displayed. Use the ACTIVATE and DEACTIVATE functions as appropriate to change the status of the selected feature.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: DATE / TIME FUNCTIONS

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Choose **DATE / TIME FUNCTIONS**.

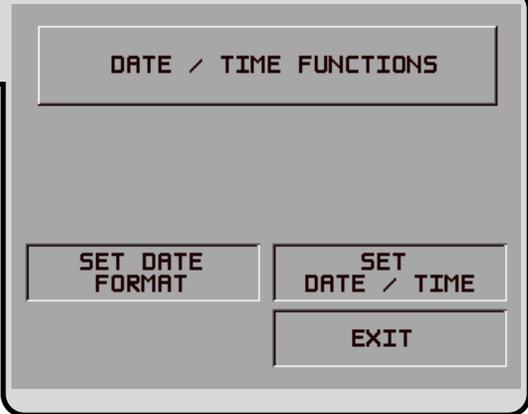
DESCRIPTION:

This screen provides a menu of functions related to configuration of date and time parameters for the Cash Dispenser:

- 1.) **SET DATE FORMAT**. This option allows you to choose between a DD/MM/YY and a MM/DD/YY date format the terminal will use when printing receipts and other reports.
- 2.) **SET DATE / TIME**. This option enables you to configure the actual date and time the terminal uses when printing receipts and other reports.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET DATE FORMAT

FACTORY DEFAULT: MM/DD/YY

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Choose **DATE / TIME FUNCTIONS**.
- 3.) Choose **SET DATE FORMAT**.

SELECT THE DATE
FORMAT TO USE.

MM/DD/YY

MM/DD/YY

DD/MM/YY

EXIT

DESCRIPTION:

This function provides a way to change the date format the terminal uses when printing a date field on receipts and reports. Press the button next to the desired option to activate that format.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET DATE / TIME	DATE/TIME SET
FACTORY DEFAULT: N/A	06/03/97 SET DATE-->
ACCESS INSTRUCTIONS:	12:40:57 PM SET TIME-->
1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.	EXIT-->
2.) Choose DATE/TIME FUNCTIONS.	
3.) Choose SET DATE / TIME	

DESCRIPTION:

The Cash Dispenser contains an internal clock that maintains the date and time, even when power is disconnected from the unit.

Press SET DATE to begin the date entry process. Press SET TIME to begin the time entry process.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET DATE

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select TERMINAL CONFIGURATION from the MANAGEMENT FUNCTIONS menu.
- 2.) Choose DATE/TIME FUNCTIONS.
- 3.) Select SET DATE / TIME.
- 4.) Select SET DATE..

SET DATE

	BACKSPACE-->
MM/DD/YY	CLEAR-->
	QUIT-->
	SET DATE-->

DESCRIPTION:

Press SET DATE to begin the date entry process. The date is entered in the form 'MM/DD/YY' (month, day, year). Do not enter the '/' characters separating the fields, just the fields themselves. Press CLEAR to erase everything and start over. Press the BACKSPACE key to back up and erase a single character. Press QUIT to escape without doing anything. Press SET DATE to load the entered date into the clock.

The Cash Dispenser will not let you enter an invalid number for hours or minutes. The clock will properly handle the rollover to the year 2000.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: SET TIME

FACTORY DEFAULT: N/A

ACCESS INSTRUCTIONS:

- 1.) Select **TERMINAL CONFIGURATION** from the **MANAGEMENT FUNCTIONS** menu.
- 2.) Choose **DATE/TIME FUNCTIONS**.
- 3.) Select **SET DATE / TIME**.
- 4.) Select **SET TIME...**

DESCRIPTION:

The time is entered in the form 'HH:MM:SS' (hours, minutes, seconds). Do not enter the ':' characters separating the fields, just the fields themselves. Press **CLEAR** to erase everything and start over. Press the **BACKSPACE** key to back up and erase a single character. Press **QUIT** to escape without doing anything. Press **SET TIME** to load the entered time into the clock.

The Cash Dispenser will not let you enter an invalid number for hours or minutes. The clock will properly handle the rollover to the year 2000.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SET TIME
PRESS 3 FOR AM OR 7 FOR PM

	BACKSPACE-->
HH:MM:SS XM	CLEAR-->
	QUIT-->
	SET TIME-->

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: TRANSACTION TYPES

FACTORY DEFAULT: ON

ACCESS INSTRUCTIONS:

- 1.) Select the **TERMINAL CONFIGURATION** option from the **MANAGEMENT FUNCTIONS** screen.
- 2.) Select **TRANSACTION TYPES**.

PRESS THE BUTTON NEXT TO THE TRANSACTION TYPE TO TOGGLE IT ON OR OFF.

TRANSFERS
OFF

BALANCE INQUIRIES
OFF

EXIT

DESCRIPTION:

This function allows you to turn on or off the availability of the two transaction types: TRANSFERS and BALANCE INQUIRIES. When a transaction type is turned ON, the terminal will provide that option to the customer. When a transaction type is turned OFF, the selected transaction type will not be displayed to the customer.

The current state of the transaction type is shown as either ON or OFF in the applicable button label on the display. Press the button next to the label to toggle the state of the transaction type between ON and OFF.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.

SECTION 5 - MANAGEMENT FUNCTIONS

FUNCTION: ACCOUNT TYPES

FACTORY DEFAULT: ON

ACCESS INSTRUCTIONS:

- 1.) Select the **TERMINAL CONFIGURATION** option from the **MANAGEMENT FUNCTIONS** screen.
- 2.) Select **ACCOUNT TYPES**.

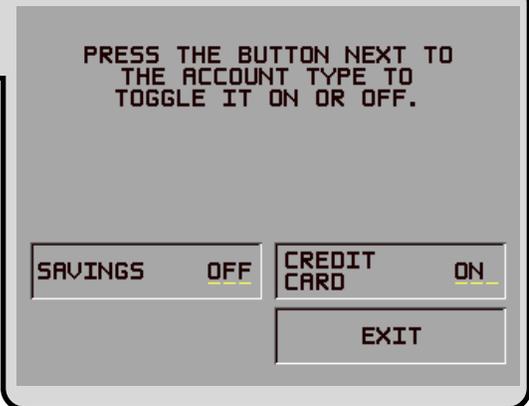
DESCRIPTION:

This function allows you to turn on or off the availability of two account types: **SAVINGS** and **CREDIT CARD**. When an account type is turned **ON**, the terminal will provide that option to the customer. When an account type is turned **OFF**, the selected account type will not be displayed to the customer.

The current state of the account type is shown as either **ON** or **OFF** in the applicable button label on the display. Press the button next to the label to toggle the state of the account type between **ON** and **OFF**.

ERROR CONDITIONS:

There are no error conditions directly associated with this function.



SCREENSHOT: A terminal display showing the 'ACCOUNT TYPES' configuration screen. The screen has a grey background with black text. At the top, it says 'FUNCTION: ACCOUNT TYPES'. Below that, it says 'PRESS THE BUTTON NEXT TO THE ACCOUNT TYPE TO TOGGLE IT ON OR OFF.' There are two buttons: 'SAVINGS OFF' and 'CREDIT CARD ON'. Below these is an 'EXIT' button.

SECTION 6
MAINTENANCE

SECTION 6 - MAINTENANCE

*** WARNING ***

No attempt should be made to repair or service this unit by the user! Any such attempt may damage the unit and will void the warranty.

CLEANING THE ENCLOSURE

The Cash Dispenser front panel is highly durable, resisting scratches and finger smudges. However, occasional cleaning of the front panel and the plastic enclosure may be desirable. A soft dry or slightly damp cloth may be used for cleaning. For best results, a weak solution of a mild detergent and water should be used.

WARNING

Avoid using abrasive cleaners on any surface of the cash dispenser. Do not spray cleaner liquids directly on the unit. .

CLEANING THE DISPLAY

The Liquid Crystal Display (LCD) on the front of the cash dispenser has a plastic protective window that should be cleaned only with a SOFT cloth, dampened with a weak solution of a mild detergent and water.

WARNING

Do not use any abrasive cleaners on the window, as it will scratch. Do not spray liquids onto the screen, as they may run down inside the unit and cause damage.

CARD READER MAINTENANCE

Special cleaning cards are available for proper maintenance of the card reader. The reader should be cleaned at least once a month by inserting and removing a cleaning card, as shown in Figure 6-1. It may be necessary to clean the card reader more often in locations that see heavy usage.



Figure 6-1. Use the cleaning cards on a monthly basis to maintain effective card reader operation.

SECTION 6 - MAINTENANCE

REPLENISHING THE RECEIPT PAPER

NOTE:

This operation can be completed with the AC Power applied to the Cash Dispenser

1. This operation can be completed with the power on. Open the top of the cash dispenser by unlocking the top enclosure and pulling the hinged door forward.

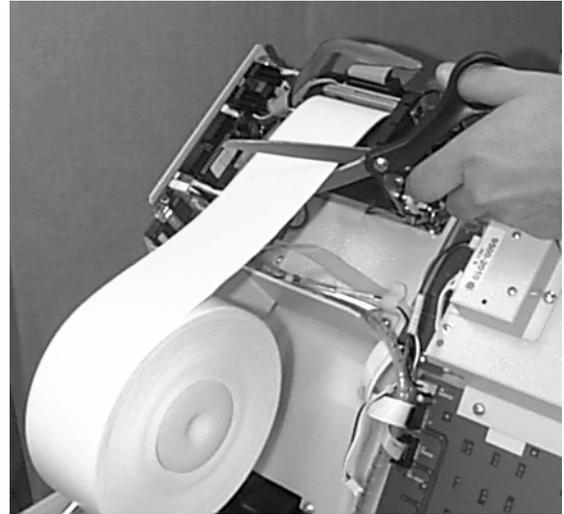


Figure 6-2. Cut any paper between the roll and the printer feed path with scissors.

2. Remove any paper that remains in the paper path as follows:
 - a. If paper remains on the roll, cut the paper between the roll and the printer with a pair of scissors as shown in Figure 6-2. Use the RECEIPT PRINTER PAPER FEED BUTTON (Figure 6-3) to feed the paper through the paper path until all paper comes out the front of the printer.



FEED BUTTON

Figure 6-3. The PAPER FEED BUTTON.

NOTE:

Do not pull the paper backward through the printer. This may leave paper fragments that can cause paper jams.

SECTION 6 - MAINTENANCE

3. Push the paper spool (or partial roll of paper) from its location in Figure 6-4A to the position shown in Figure 6-4B.



Figure 6-4A. Paper Spool in its normal operating position.

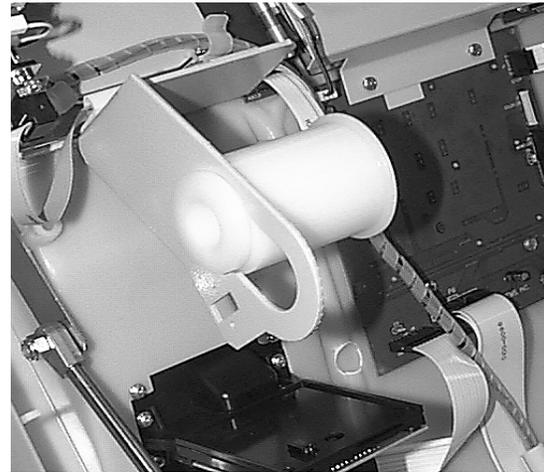


Figure 6-4B The Paper Spool in position for removal.

4. Remove the paper spool from the paper support bracket by pulling the slotted small end of the spool out of bracket.
5. Remove the tab securing the end of the new paper roll to itself. Use scissors to cut off all of the paper up to and including the glue tab. Insert the paper spool into the new roll of paper (as shown in Figures 6-5A and 6-5B). Use a 6-inch roll of 60-mm wide thermal paper. Be sure the paper spool is inserted so that the paper will feed **from the top of the roll** when it is installed on the paper bracket.

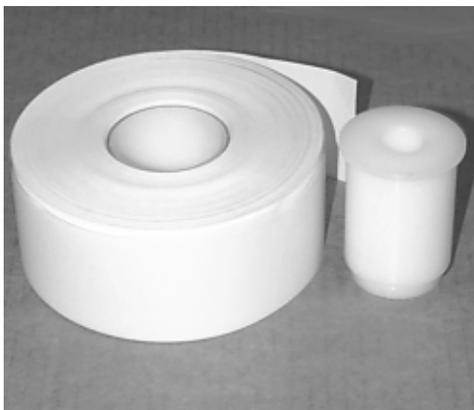


Figure 6-5A. The paper and paper spool.

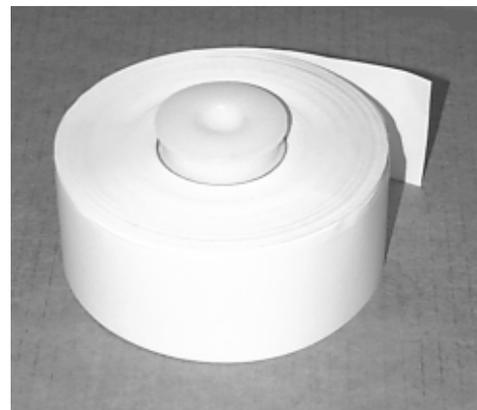


Figure 6-5B. Spool inserted into the roll of paper.

SECTION 6 - MAINTENANCE

- Place the paper roll and paper spool back on the paper bracket by sliding the small slotted end of the spool into the large hole in the bracket as shown in Figure 6-6A. Push the paper and spool into the operating position to lock them in place as seen in Figure 6-6B.



Figure 6-6A. Placing the paper roll and spool on the paper bracket.



Figure 6-6B. Paper roll and spool in place for operation.

- Once the paper roll and spool are installed on the paper bracket, take the end of paper roll and feed it into the printer path paper entrance, as shown in Figure 6-7.

Insert end of paper here.

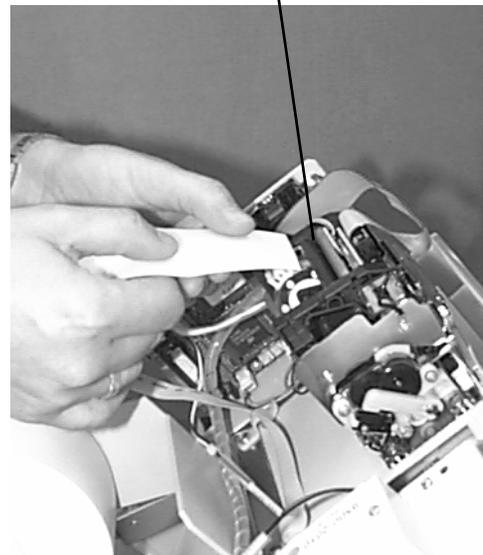


Figure 6-7. Feeding paper into the printer.

SECTION 6 - MAINTENANCE

8. Once the paper is fed into the paper path entrance, the printer will activate and automatically feed the paper through the printer and out the exit. See Figure 6-8.
9. Close and lock the Cash Dispenser.

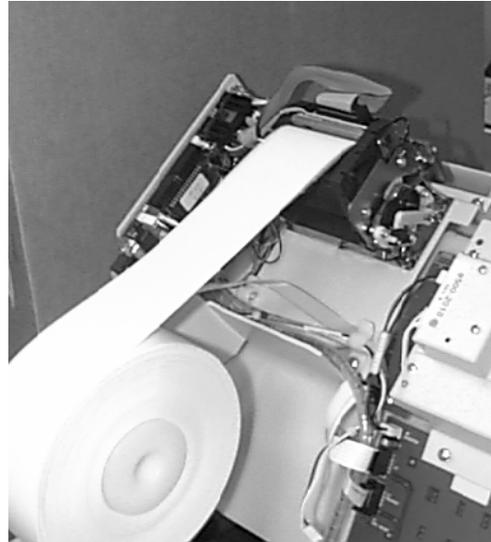


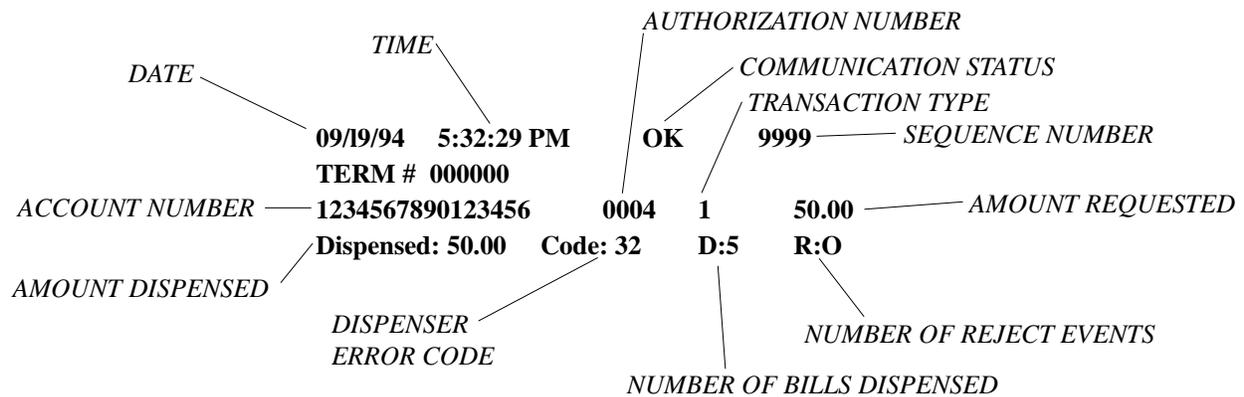
Figure 6-8. A new roll of paper installed on the Printer.

SECTION 7
JOURNAL ENTRIES

SECTION 7 - JOURNAL ENTRIES

JOURNAL ENTRIES

Journal entries are printed on a per transaction basis. Each new entry begins with a blank line. The following is an example of a typical journal entry. In the case of a communications error, most of this information is omitted and an error code would be printed.



The transaction types are:

1. Withdrawal from checking
2. Withdrawal from savings
3. Withdrawal from credit card
4. Transfer checking to savings
5. Transfer savings to checking
6. Transfer credit to checking
7. Transfer credit to savings
8. Checking balance inquiry
9. Savings balance inquiry
10. Credit balance inquiry.

For an explanation of the dispenser error codes consult Section 8, Error Recovery. Each reject event will result in one or more bills in the reject compartment inside the note cassette.

SECTION 8
ERROR RECOVERY

SECTION 8 - ERROR RECOVERY

INTRODUCTION

The Cash Dispenser operating system determines the operational status of each of its components by routinely performing a system status check. A status check is performed:

- 1.) During power up.
- 2.) Once every forty seconds while the dispenser is not in use.
- 3.) Before leaving the Management Functions main menu screen.
- 4.) After every transaction.

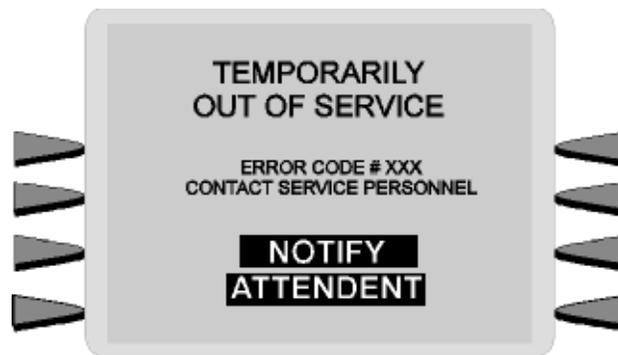


Figure 8-1. The "Out of Service" Display.

An error detected during a status check will place the dispenser in an "OUT OF SERVICE" mode of operation and display the messages shown in Figure 8-1 on the LCD display screen.

ERROR RECOVERY

Many error conditions require the assistance of a qualified service technician to return the Cash Dispenser to normal operation. But there are some actions that the end user can perform to confirm the existence of a problem or correct simple problems.

Table 8-1, Error Recovery Procedures, provides a list of error conditions that can cause the Cash Dispenser to enter an "OUT OF SERVICE" condition. The table lists the error codes, a description of each error message and possible corrective actions non-service personnel can perform in an attempt to return the unit to normal operation.

Many of the procedures direct you to RESET the Cash Dispenser as the first step. This action may be all that is necessary to clear the error indication. In other cases further actions may be necessary.

SECTION 8 - ERROR RECOVERY

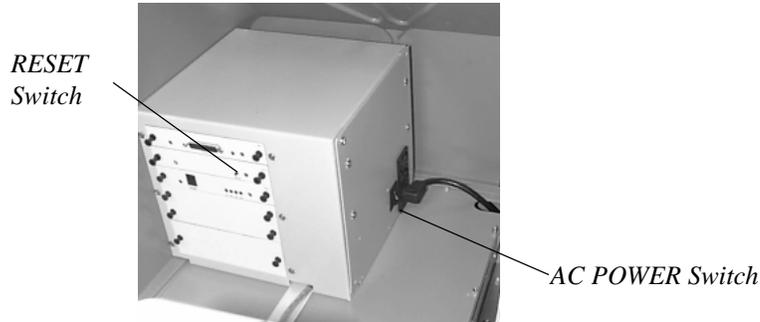


Figure 8-2. The Location of the RESET and AC POWER Switch.

If necessary, you will be directed to contact your service organization.

RESETTING THE CASH DISPENSER

In the “OUT OF SERVICE” mode of operation the dispenser will not respond to any inputs to the keypad or card reader.



Figure 8-3. The RESET ERROR/MANAGEMENT Menu.

Try to return the dispenser to normal operation by performing a RESET. To do this, perform either of the following two actions:

- 1.) Press and then release the RESET Switch (See Figure 8-2).
- 2.) Turn the AC Power Switch OFF for a few seconds, then turn it back ON.

SECTION 8 - ERROR RECOVERY

After resetting the Cash Dispenser, the RESET ERROR/MANAGEMENT Menu (refer to Figure 8-3.) is displayed on the LCD display screen. This menu allows you to perform two actions:

- 1.) Enter MANAGEMENT mode.
- 2.) RESET the error that caused the OUT OF SERVICE condition.

After selecting the RESET ERROR option, and if no additional error conditions exist, the CUSTOMER WELCOME screen should appear. At this point one further step is usually recommended to confirm that the dispenser is working normally, and that is to perform a TEST DISPENSE. The success of this operation is usually a good indication that the overall dispenser control system and dispensing mechanism are working normally.

It is possible that more than one error condition exists. In these cases, after resetting the original error message (or after performing a TEST DISPENSE) a different error message may be displayed. Address each error message according to the instructions given in Table 8-1, until all problems have been corrected and the Cash Dispenser has been restored to normal operation, or you are instructed to contact your service organization.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
95	Multiple Cassettes of the same type installed	1.) Open the security container. 2.) Check the labels on the cassettes. If a duplicate cassette is installed, replace it with the correct non-duplicate cassette. If necessary, use the INJECT NEW CASSETTE ID procedure in Section 5, Management Functions, to ensure each cassette has a unique ID (A, B, C, or D) 3.) Make sure all cassettes are IN SERVICE. 4.) RESET the error and perform a TEST DISPENSE. If the dispense works, place the unit back in service. 5.) If the error occurs again, contact your service organization.
128	Error in Reply from the dispensing mechanism.	1.) RESET the Cash Dispenser. 2.) If the error clears, perform a TEST DISPENSE. 3.) If the dispense works, place the unit back in service. 4.) If the test dispense does not work, contact your service organization.
129	No response from the dispensing mechanism.	See Recommended Actions for Error Code 128.
130	Command not acknowledged by the dispensing mechanism.	See Recommended Actions for Error Code 128.
131	CTS (Clear To Send) line from the dispensing mechanism is not active.	See Recommended Actions for Error Code 128.
133	5 volts not present from the dispensing mechanism.	See Recommended Actions for Error Code 128.
139	Print controller not responding to commands.	See Recommended Actions for Error Code 128.
140	Time out waiting for printer to be ready.	See Recommended Actions for Error Code 128.
141	Paper jam reported by controller during a status check.	1.) Open the Top Enclosure of the Cash Dispenser. 2.) Check/clear paper path. 3.) Feed cleanly cut edge of paper roll through the printer and cutter. Use the Paper Feed Switch as necessary. 4.) Re-install the ribbon. Close the Top Enclosure. 5.) See Recommended Actions for Error Code 128.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
142	Dispensing mechanism returns a 'bad command' error.	See Recommended Actions for Error Code 128.
144	No reply from Security Module or Electronic Journal.	See Recommended Actions for Error Code 128.
145	Error in reply from Security Module or Electronic Journal.	See Recommended Actions for Error Code 128.
146	No reply from command to Electronic Journal.	See Recommended Actions for Error Code 128.
147	Error in Reply from Electronic Journal.	See Recommended Actions for Error Code 128.
148	Write to Electronic Journal failed.	See Recommended Actions for Error Code 128.
149	Read from Electronic Journal failed.	See Recommended Actions for Error Code 128.
150	Status command to Electronic Journal failed.	See Recommended Actions for Error Code 128.
151	Electronic Journal full.	You must PRINT or CLEAR the Journal. 1.) RESET the Cash Dispenser. 2.) Enter MANAGEMENT FUNCTIONS enter the JOURNAL area. 3.) PRINT or CLEAR the Journal. 4.) See Recommended Actions for Error Code 128.
152	Electronic Journal Corrupt.	See Recommended Actions for Error Code 128.
153	Electronic Journal Mode.	See Recommended Actions for Error Code 128.
154	Unknown Electronic Journal Status.	See Recommended Actions for Error Code 128.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
155	Electronic Journal Modify Record failed.	See Recommended Actions for Error Code 128.
156	No cassette in service.	1.) RESET the Cash Dispenser. 2.) Enter MANAGEMENT FUNCTIONS and check the SERVICE mode of the cassettes. Make sure each cassette is IN SERVICE. 3.) See Recommended Actions for Error Code 128.
157	Erase command to Electronic Journal failed.	See Recommended Actions for Error Code 128.
183	Receipt printer paper low.	1.) Verify that the paper is actually low. If necessary, replace the paper using the procedures in Section 7, Maintenance. 2.) RESET the ERROR. If the error does not clear, consider using the RECEIPT PAPER LOW function to turn off the reporting of this error temporarily. Contact your service organization. 3.) If the error clears, perform a TEST DISPENSE. If the dispense works, place the unit back in service. 4.) If the test dispense does not work, contact your service organization.
185	Phone number not configured.	The procedure for configuring the Phone Number is given in Section 5, Management Functions. Contact your service organization for assistance.
188	Communications key not configured.	The procedure for configuring the Communications Key is given in Section 5, Management Functions. Contact your service organization for assistance.
189	Terminal ID not configured.	The procedure for configuring the Terminal ID is given in Section 5, Management Functions. Contact your service organization for assistance.
190	Master key not configured.	The procedure for configuring the Master Key is given in Section 5, Management Functions. Contact your service organization for assistance.
192	Communication Error.	See Recommended Actions for Error Code 128.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
193	The baud rate setting for the EJ failed.	See Recommended Actions for Error Code 128.
194	An attempt to dispense bills is being made when the cassettes are not locked.	1.) Ensure the cassettes are LOCKED. The cassette LOCK/UNLOCK procedure is given in Section 5, Management Functions. 2.) See Recommended Actions for Error Code 128.
195	Receipt Printer out of paper.	Verify condition: if paper is out, replace paper using procedures in Chapter 6, Maintenance.
196	Card Reader Error.	See Recommended Actions for Error Code 128.
197	Dispenser has detected a blocked Stacker during a dispense.	Contact your service organization.
198	Dispenser did not detect note going into Stacker.	Contact your service organization.
200	Dispenser fed an extra note into the Stacker.	Contact your service organization.
201	Dispenser detected more than 6 errors in dispense.	See Recommended Actions for Error Code 128.
202	Dispenser is busy.	See Recommended Actions for Error Code 128.
203	SPED keypad is not replying to main board.	See Recommended Actions for Error Code 128.
204	Number of bills dispensed not equal to number of bills requested.	Contact your service organization.
205	The SPED keypad reported a tamper condition.	Contact your service organization.
206	SPED could not perform a successful command within SPED_MAX_ATTEMPTS tries.	Contact your service organization.
207	SPED not detected.	See Recommended Actions for Error Code 128.
208	Dispenser did not reply after a dispense command.	See Recommended Actions for Error Code 128.
209	Command to Check Number of Notes Delivered failed.	Contact your service organization. NOTE: This Error is only applicable to model 9650/9670 ATMs.
210	The dispenser type is neither 9640 or 9670.	Contact your service organization.

SECTION 8 - ERROR RECOVERY

<p align="center">TABLE 8-1 ERROR RECOVERY PROCEDURES</p>		
Error/Status Code	Meaning	Recommended Actions
300	Successful command.	This is a status code from the dispensing mechanism that indicates successful accomplishment of the last command. No action is required.
301	Low level. The number of notes in one or more cassettes is below margins.	This is a warning only. Refilling of the cassettes is recommended, although this could be delayed for several transactions. Procedures are given in Section 4, Handling Cassettes.
302	Empty cassette. Cassette is regarded empty during a dispense operation.	1.) Remove and fill the empty cassette. Procedures are given in Section 4, Handling Cassettes. 2.) See Recommended Actions for Error Code 128.
303	Lifts are down. Cassette lifts are at loading position.	1.) Ensure the cassettes are LOCKED. The cassette LOCK/UNLOCK procedure is given in Section 5, Management Functions. 2.) See Recommended Actions for Error Code 128.
304	Rejected notes. Up to four partial batches of notes have been rejected before delivering the requested amount.	See Recommended Actions for Error Code 128.
305	Wrong Count. There is a divergence in notes counted by the Feeders compared to the ones sensed in the Stacker.	See Recommended Actions for Error Code 128.
306	Failure to feed. The system failed to dispense the requested amount of notes.	See Recommended Actions for Error Code 128.
307	Transmission error. The message received by the system is not likely to be accurate.	See Recommended Actions for Error Code 128.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
308	Illegal command or command sequence. The logical sequence of the commands sent to the dispensing mechanism is not the one expected by the system.	See Recommended Actions for Error Code 128.
309	Jam in Note Qualifier (Double Detect Malfunction).	This problem should be handled by your service organization.
310	Feed Cassette not present (or properly installed). Notes are requested from a cassette that is not present or not in the correct operating position.	<ol style="list-style-type: none"> 1.) Ensure all cassettes are actually present in the mechanism. If they are, remove and re-install each Note Cassette, using the procedures given in Section 4, Handling Cassettes. 2.) Ensure all cassettes are LOCKED into position in the mechanism, using the cassette LOCK/UNLOCK function described in Section 5, Management Functions. 3.) See Recommended Actions for Error Code 128.
312	No notes retracted. No notes were received in the throat in the time given on the RETRACT command.	See Recommended Actions for Error Code 128. NOTE: This Error is only applicable to model 9640/9660 ATMs.
315	Reject Cassette not properly installed. The Reject Cassette is not properly loaded in the dispensing mechanism.	<ol style="list-style-type: none"> 1.) Ensure the Reject Cassette is present in the mechanism. If it is, remove and re-install it using the procedures given in Section 4, Handling Cassettes. 2.) Ensure the Reject Cassette is LOCKED into position in the mechanism, using the cassette LOCK/UNLOCK function described in Section 5, Management Functions. 3.) See Recommended Actions for Error Code 128.
316	Delivery failure. The system failed to move the notes from the Stacker to the Delivery Throat.	This problem should be handled by your service organization.
317	Reject Failure. A mechanical failure or note jam in the Stacker has occurred when the dispensing mechanism failed to perform a reject cycle.	This problem should be handled by your service organization.
318	Too many notes requested. More than the maximum number of notes defined in the dispense command description are requested.	See Recommended Actions for Error Code 128.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
319	Jam in note transport. Note arrived too late to the double-detect sensor.	This problem should be handled by your service organization.
320	Reject Cassette almost full. The internal reject counter has reached a value of 200.	1.) Remove and empty the Reject Cassette, using the procedures in Section 4, Handling Cassettes. 2.) See Recommended Actions for Error Code 128.
321	Cassette data corrupted. An error occurs when reading the cassette parameters.	See Recommended Actions for Error Code 128.
322	Main motor failure. The system is unable to turn on or off the main motor as required for any command.	This problem should be handled by your service organization.
325	Note Qualifier faulty. Unable to calibrate the double-detect sensor.	This problem should be handled by your service organization.
326	Cassette exit sensor failure.	This problem should be handled by your service organization.
329	Notes in Delivery Throat. Notes are being fed when a bundle is still in the opening.	This problem should be handled by your service organization.
330	Communications Time-out. The transmission of each of the characters in the command string is not completed within the time restriction imposed by the electrical interface used.	This problem should be handled by your service organization.
332	Cassette may have been changed.	This problem should be handled by your service organization.
333	Reject Cassette full. Internal reject counter value exceeds the limit of allowed notes in the Reject Cassette.	See Recommended Actions for Error Code 320.

SECTION 8 - ERROR RECOVERY

TABLE 8-1 ERROR RECOVERY PROCEDURES		
Error/Status Code	Meaning	Recommended Actions
339	Error in Throat. An error has occurred in the delivery transport path.	This problem should be handled by your service organization.
343	Sensor error or sensor covered. Sensor in the Stacker Delivery Module does not work properly during an internal self-test preceding the movement commands.	This problem should be handled by your service organization.
348	Dispensing mechanism internal failure/data corrupted.	This problem should be handled by your service organization.
349	Cassette lock faulty. The shutter frame has not reached the right position after a movement command.	This problem should be handled by your service organization. NOTE: This Error is only applicable to model 9640/9660 ATMs.
350	Jam in Note Stacker. It was not possible to empty the stacker wheels.	This problem should be handled by your service organization.
351	Module Needs Service. Too many rejects have occurred when feeding notes from a specific Feed Module.	This problem should be handled by your service organization.
353	No message to resend. There is no command previously executed and consequently no response message to send.	This problem should be handled by your service organization.
356	Error in Note Transport.	Note is stuck in the Note Transport Sensor. Note may also be stuck between Note Transport Sensor and Throat Sensor. NOTE: This Error is only applicable to model 9650/9670 ATMs.

SECTION 9
INTERPRETING RETURN CODES

SECTION 9 - INTERPRETING RETURN CODES

INTRODUCTION

Return Codes are strings of one or more characters that are presented to the operator on the LCD display as a result of initiating status checks or tests of the Cash Dispenser. The commands for initiating these tests are accessed from the DIAGNOSTICS menu in the MANAGEMENT FUNCTIONS area. (See Section 5, Management Functions, for instructions on accessing the DIAGNOSTICS menu.)

This section of the manual will cover interpreting Return Codes that are received after executing the PURGE, TEST DISPENSE, and STATUS commands. The following areas are addressed:

- 1.) READING RETURN CODES.
- 2.) GENERAL STATUS CODES.
- 3.) STATUS (FEED CHANNELS 1-4, REJECT CHANNEL AND TRANSPORT CHANNEL).

These functions are specific to the operation of the cash dispensing mechanism. Other functions in the DIAGNOSTICS area that do not require specific treatment here are covered in the applicable areas of Section 5, Management Functions.

READING RETURN CODES

Return Codes consist of a series of one or more characters in a 'string'. This string of characters will contain very specific information concerning the operational status of the area being tested. Use the following as a general guide when reading a Return Code string:

- 1.) Read the Return Code string on the Cash Dispenser LCD display, *from left to right*.
 - 2.) Match each character in the Return Code string to the corresponding character-position in the Return Code interpretation chart provided. The charts provides a way to match each character in the Return Code to a statement that explains the meaning of the actual character value that appears in that position. If any additional characters (beyond what are covered in the charts) appear at the end of the Return Code string, ignore them.
 - 3.) The character-positions in the charts are made up of letter-codes. Each letter-code represents a particular parameter or value *type*. For example, the letter code 'S' is the first character in each Return Code string and is called the 'General Status Code'. The character in the actual Return Code string that corresponds to this character-position provides General Status Code information. The value that can appear in the 'S' position of the Return Code may be a number, letter, or other character (the meaning of each value is fully covered in the next topic). Unless otherwise directed, use the following table to obtain the type of each character in the Return Code string:
-

SECTION 9 - INTERPRETING RETURN CODES

S = General Status Code.	D = Denomination Code.
A = Double Detect Sensor 'A' Offset.	H = Horizontal Size of Note.
a = Double Detect Sensor 'A' Gain.	N = Sensor Nominal Note Thickness Value.
B = Double Detect Sensor 'A' Offset.	T = Sensor Test Data.
b = Double Detect Sensor 'A' Gain.	U = Sensor Calibration Data.
C = Currency Code.	V = Vertical Size of Note.

GENERAL STATUS CODES

The General Status Code appears as the first character in a Return Code string received as a result of performing a STATUS command. In the case of the PURGE and TEST DISPENSE commands it is the only character returned. Use the table that follows to find the meaning of a General Status Code. In order to use the table, follow these steps:

- 1.) Read the General Status Code character in the Return Code on the LCD Display. This will be a single character in the case of a PURGE or TEST DISPENSE command. For STATUS commands (FEED CHANNEL 1-4, REJECT CHANNEL, or TRANSPORT CHANNEL), the General Status Code is the first character in the Return Code string.
- 2.) Refer to the General Status Codes table. Move down the Codes column of the table to find the line that contains the General Status Code obtained in Step 1.
- 3.) Move along this line to the next column and read the description of the General Status Code located in Step 2.
- 4.) Move along the line to the column for the applicable test: PURGE, TEST DISPENSE, or STATUS. If there is a 'G' in the box, the status code is a 'GENERAL' status condition that is applicable to all of the components of the dispensing mechanism except the 'HOPPER' areas (Note Cassette Feed Channels (1-4), the Reject Channel, and the Transport Channel are each considered to be a HOPPER). If there is a 'G/H' in the box, the status code is a condition applicable to the GENERAL parts of the mechanism as well as the HOPPER.
- 5.) The next column shows the TYPE of error, where 'F' = Failure, 'O' = Operator Recoverable, 'W' = Warning, 'R' = Retriable, and 'S' = Software Recoverable. 'F' and 'R' codes that occur more than once will cause the Cash Dispenser to go 'OUT OF SERVICE'. 'S' codes may be cleared automatically by the terminal software, while 'O' codes may require operator intervention (such as a RESET) in order to clear. 'W' codes provide informational status only.
- 6.) The ERROR CODE corresponding to the General Status Code is found in the last column.

SECTION 9 - INTERPRETING RETURN CODES

GENERAL STATUS CODES						
STATUS CODE	MEANING	PURGE	TEST DISPENSE	STATUS	TYPE	ERROR CODE
0	Successful Command	G/H	G/H	G	W	300
1	Low Level (In cassette).	G/H	-	-	W	301
2	Empty Cassette.	G/H	-	-	O	302
3	Lifts are Down.	-	G	-	O	303
4	Rejected Notes.	-	G	-	W	304
5	Wrong Count.	G	G	-	F	305
6	Failure to Feed.	-	-	-	R	306
7	Transmission Error.	G	G	G	S	307
8	Illegal Command or Command Sequence.	G	G	G	S	308
9	Jam In Note Qualifier.	G	G	-	R	309
:	Feed Cassette Not Present.	-	-	G/H	O	310
<	No Notes Retracted.	-	-	-	W	312
?	Reject Cassette Not Properly Installed.	G/H	G/H	-	O	315
@	Delivery Failure.	G	G	-	F	316

SECTION 9 - INTERPRETING RETURN CODES

GENERAL STATUS CODES - CONTINUED						
STATUS CODE	MEANING	PURGE	TEST DISPENSE	STATUS	TYPE	ERROR CODE
A	Reject Failure	G	G	-	F	317
B	Too many notes requested.	-	G	-	O	318
C	Jam in Note Transport.	G	G	-	F	319
D	Reject Cassette Almost Full.	G/H	G/H	-	W	320
E	Cassette Data Corrupted.	G/H	-	-	R	321
F	Main Motor Failure.	G	G	-	F	322
H	Reserved for Warning Status.	-	-	-	W	-
I	Note Qualifier Faulty.	G	G	-	F	325
J	Cassette Exit Sensor Failure.	G/H	G/H	G/H	R	326
K	Shutter Failure.	G	G	-	F	327
M	Notes in Delivery Throat.	-	G	-	O	329
N	Communications Time-Out.	G	G	G	S	330
P	Cassette May Have Been Changed.	-	G	-	S	332
Q	Reject Cassette Full.	G	G	-	O	333

SECTION 9 - INTERPRETING RETURN CODES

GENERAL STATUS CODES - CONTINUED						
STATUS CODE	MEANING	PURGE	TEST DISPENSE	STATUS	TYPE	ERROR CODE
W	Error in Throat.	G	G	-	F	339
[	Sensor Error or Sensor Covered.	G	G	G	R	343
*	NMD Internal Failure/Data Corrupted.	G	G	-	F	348
a	Cassette Lock Faulty.	-	-	-	F	349
b	Jam in Note Stacker.	G	G	-	F	350
c	Module Needs Service.	G/H	G/H	-	W	351
e	No Message to Resend.	-	-	-	O	353

Refer to Section 8, Error Recovery, for additional information about error codes.

THE STATUS FUNCTION

The STATUS function allows you to obtain information on the operational status of three functional areas of the dispensing mechanism:

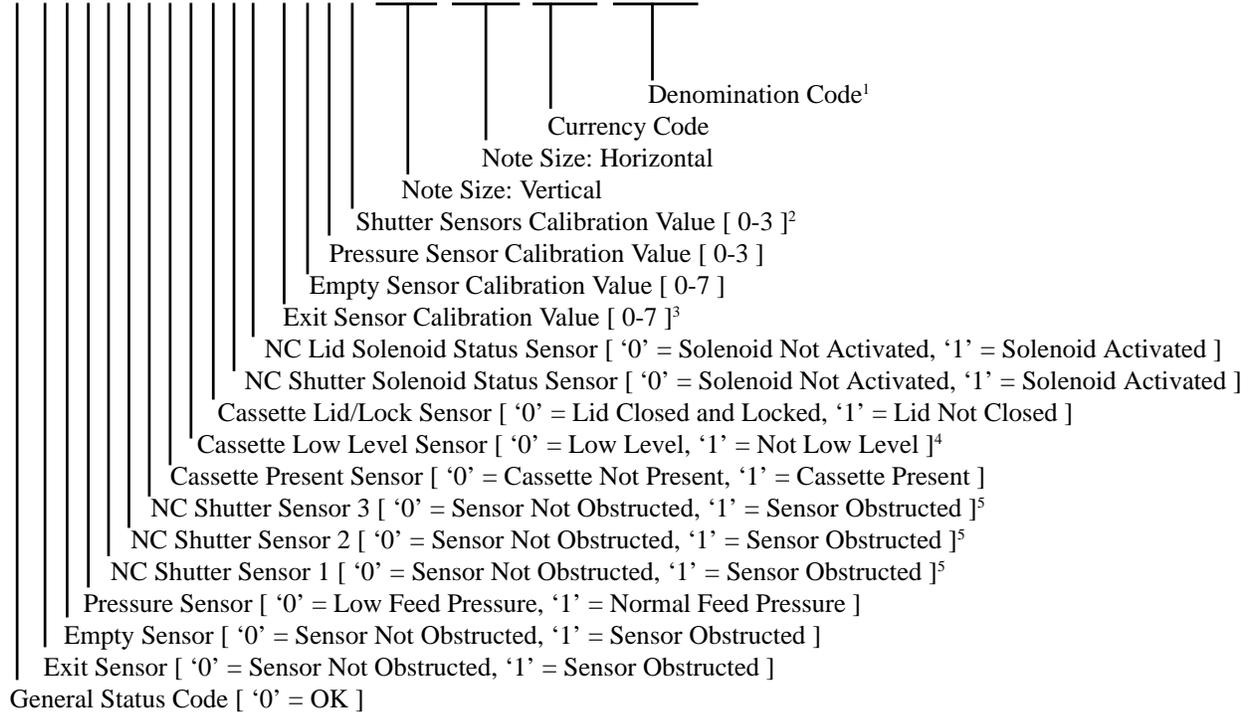
- **Feed Channels 1 - 4.** Returns status of components associated with the Note Cassettes and their associated feed channel components. Each Feed Channel can be tested individually.
- **Reject Channel.** Returns the status of components associated with the Reject Cassette, Bundle Output, Bundle Carriage and Note Diverter assemblies.
- **Transport Channel.** Returns the status of components associated with the Note Qualifier assembly.

Use the diagrams on the following pages to interpret Return Code strings for these areas.

SECTION 9 - INTERPRETING RETURN CODES

INTERPRETING THE FEED CHANNEL RETURN CODE

S TTTTTTTTTTT UUUU VVV HHH CCC DDDD --- (Ignore any additional characters, if present.)



NOTES:

- 1.) First three characters are Denomination Code (ex. 010 = \$10.00). Fourth position is a 'Variant' code character that defines a currency 'version' or 'variation', if applicable.
- 2.) This parameter is currently not implemented.
- 3.) The normal range for the Exit Sensor Calibration Value is 2-4. Higher values mean a dirtier sensor.
- 4.) This is a warning status only, when active.
- 5.) The normal status pattern for this group of three Sensors is '101'.

'NC' Stands for Note Cassette.

When a Note Cassette is not present the positions related to the cassette will be reported as "--".

APPENDIX A
MECHANICAL COMBINATION LOCK
INSTRUCTIONS

APPENDIX A - MECHANICAL COMBINATION LOCK INSTRUCTIONS

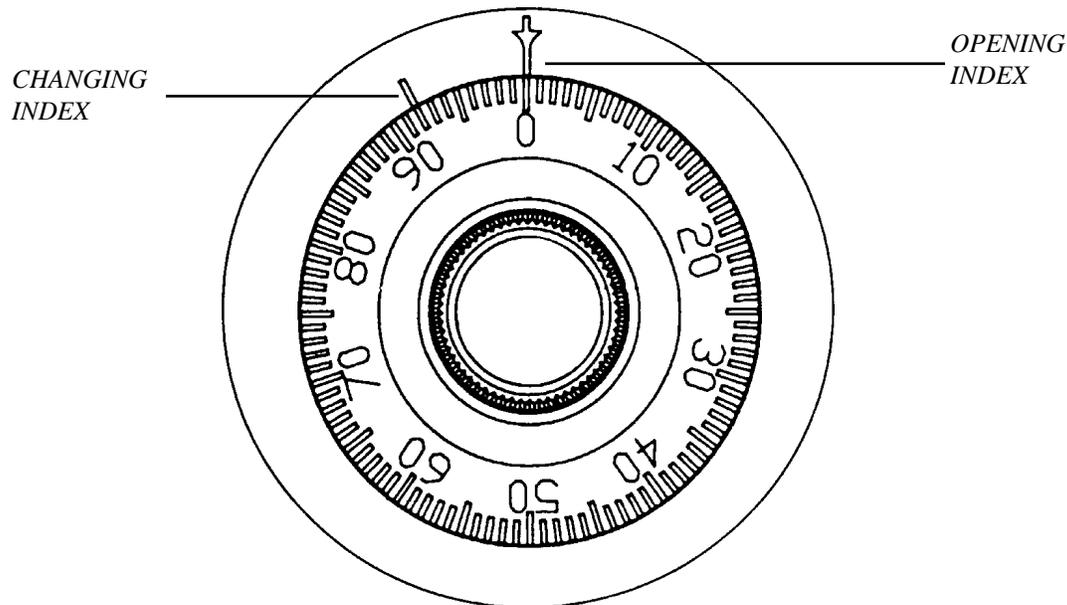
ABOUT THE DIAL

There are two marks on the dial ring (see drawing). The index at the top is used for opening the lock, The index 30 degrees to the left is used only when changing the combination.

The dial should always be turned slowly and evenly. A revolution is counted each time the selected number is aligned with the opening index. **DO NOT TURN THE DIAL BACK TO COMPENSATE FOR OVER DIALING A NUMBER.** If, when dialing the combination, any number is turned beyond the index, the entire sequence must be repeated.

Locks are shipped on a factory setting of '50'. To unlock, turn the dial to the left (counterclockwise) **FOUR** turns stopping on '50'.

Then, turn the dial to the right until the bolt is retracted.



UNLOCKING 3-NUMBER COMBINATIONS (FOR EXAMPLE, "50-25-50")

1. Turn the dial to the **LEFT**, stopping when '50' is aligned with the opening index, the **FOURTH** time.
2. Turn the dial to the **RIGHT**, stopping when '25' is aligned with the opening index, the **THIRD** time.
3. Turn the dial to the **LEFT**, stopping when '50' is aligned with the opening index, the **SECOND** time.
4. Turn the dial slowly to the **RIGHT** until the bolt retracts.

To Lock

Turn the dial to the **LEFT** at least four full revolutions.

APPENDIX A - MECHANICAL COMBINATION LOCK INSTRUCTIONS

CHANGING THE COMBINATION

Select three new numbers. **DO NOT** use any number between 1 and 20 for the last number.

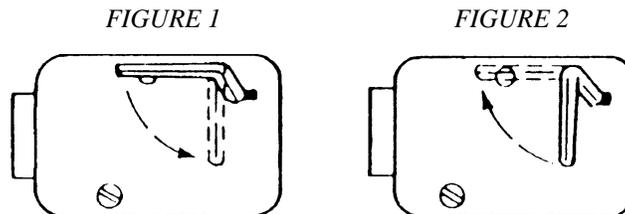
For maximum security, do not use numbers that end in 0 or 5, and do not use numbers in sequence: e.g., '27-48-86' is not as good as '27-86-48". Perform the following steps:

1. Dial the existing combination on the opening index (see steps 1-2-3 above, or the directions for opening when on the factory setting). Open door of container.
2. Dial the existing combination again, using the changing index.
3. With the last number set at the changing index, hold the dial securely and insert the change key in the keyhole in the back of the lock. Make sure the wing is entirely inside the lock and comes to a positive stop (see Figure 1) before turning the key.

*****WARNING*****

NEVER INSERT THE CHANGE KEY IN THE LOCK WHEN THE COVER IS REMOVED. BEFORE TURNING THE CHANGE KEY, MAKE SURE THE WING OF THE KEY IS FULLY INSERTED INTO THE LOCK.

4. Turn key one-quarter turn to the **LEFT** (see Figure 1). With the change key in this position, set the new combination as follows: turn the dial to the **LEFT**, stopping when the first number of the new combination aligns with the changing index the **FOURTH** time.



5. Turn dial to the **RIGHT**, stopping when the second number is aligned with the changing index, the **THIRD** time.
6. Turn the dial to the **LEFT**, stopping when the third number is aligned with the changing index, the **SECOND** time. Holding the dial in this position, turn the change key back to the **RIGHT** and remove it. (See Figure 2.) The new combination you have chosen is now set in the lock.

*****CAUTION*****

**BEFORE CLOSING THE UNIT
TRY THE NEW COMBINATION SEVERAL TIMES
USING THE OPENING INDEX.**

APPENDIX B
ELECTRONIC COMBINATION LOCK
INSTRUCTIONS

APPENDIX B - ELECTRONIC COMBINATION LOCK INSTRUCTIONS

ENTERING THE COMBINATION

The electronic lock combination consists of six digits. Upon arrival, the combination of the lock should already be set at 1-2-3-4-5-6. After installation on the safe has been completed, enter the preset combination and check for proper operation. After each keypress, the lock will beep. After the final digit has been entered, the lock will beep twice, and the open period will begin. When a valid combination has been entered, the operator will have approximately 3 seconds to open the lock. To open the lock, turn the dial clockwise. After the lock is opened, the door latch may be turned and the safe opened.

CHANGING THE COMBINATION

To change the combination of the lock, simply follow these directions.

- 1.) Enter six zeros.
- 2.) Enter the current combination. (Initially set at 1-2-3-4-5-6)
- 3.) Enter the new combination twice.
- 4.) The combination is now changed. Enter the new combination to open the lock.

LOCKOUT FEATURE

The electronic lock includes a WRONG TRY PENALTY lockout feature that prevents entry from unauthorized personnel. This feature performs as follows and CANNOT be disabled:

- 1.) Entry of four consecutive invalid combinations will disable the lock for 5 minutes. During this period, the panel LED will flash every 10 seconds. During this time the lock will remain closed and no other combination entries will be allowed.
- 2.) At the end of the lockout period, if two more consecutive invalid combinations are entered, the 5-minute lockout period will restart.

BATTERY REPLACEMENT

Repeated beeping while the lock is open indicates that the 9 volt battery, located in the battery box on the inside of the door, needs to be replaced. To remove the battery box cover, pull gently on the front of the box and slide the cover off. If the lock will not operate while the door is closed and locked, (i.e. no signal from the panel when a button is pressed), the battery is dead and the lock will need to be energized from the two round jumper terminals located on the front, right side of the push-button panel. To energize the lock, connect a 9-volt battery across the external terminals with the negative terminal of the battery facing up. While holding the battery against the terminals, enter the six-digit combination and open the lock and door. Replace the battery inside the battery box.

APPENDIX C
WARRANTY AND REPAIR
POLICIES/PROCEDURES

APPENDIX C - WARRANTY AND REPAIR POLICIES/PROCEDURES

Notices

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APPENDIX C - WARRANTY AND REPAIR POLICIES/PROCEDURES

TRITON SYSTEMS, Inc.

Warranty Statement

PARTS ONLY LIMITED MANUFACTURER'S WARRANTY

Triton Systems, Inc. warrants the components of each Model 9600 Series Cash Dispenser, MAKO™ Cash Dispenser and SuperScrip™ Scrip Terminal, excluding software and related documentation, against any defect in materials and/or workmanship for a period of 13 months from the shipping date. The additional 30 days are intended to allow for the elapsed time between the shipment of the unit and its installation. If a component fails due to defects in materials and/or workmanship within the warranty period, Triton will furnish a new or refurbished component, at its discretion. Triton shall not be responsible for labor or other costs associated with installing the component; and the failed component shall be returned to Triton at the purchaser's expense. Triton shall not be responsible for misuse or abuse of a unit; and any attempts to remove or deface the serial number or date code on a unit or any component thereof, or any attempt to repair a unit or to repair or replace any component by anyone other than a service technician authorized by Triton shall void this warranty.

Limited Warranty covers normal use. Triton Systems does not warrant or cover damage:

- occurring during shipment of the equipment or components from or to Triton's facilities;
- caused by accident, impact with other objects, dropping, falls, spilled liquids, or immersion in liquids;
- caused by a disaster such as fire, flood, wind, earthquake, lightning, or other acts of God;
- caused by failure to provide a suitable installation environment for the equipment, including but not limited to, faulty wiring in the building in which the equipment is installed, installation in a facility with uncontrolled environmental conditions, failure to provide a dedicated electrical circuit on which the equipment operates, and/or lack of proper earth grounding for the equipment;
- caused by the use of the equipment for purposes other than those for which it was designed;
- resulting from improper maintenance;
- caused by any other abuse, misuse, mishandling, or misapplication.

Under no circumstances shall Triton Systems or its suppliers be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of revenue, loss of data, loss of use of the equipment or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property.

DISCLAIMER OF WARRANTIES

The warranty stated above is the only warranty applicable to this product. All other warranties, expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose or quality of service), are hereby disclaimed. No oral or written information, or advice given by Triton Systems, its agents or employees shall create a warranty or in any way increase the scope of this warranty.

APPENDIX C - WARRANTY AND REPAIR POLICIES/PROCEDURES

Other Claims

SHIPPING DAMAGE

All equipment is shipped FOB, Triton's facilities. The organization or individual who has purchased the equipment assumes responsibility for the equipment once it leaves Triton's facilities.

Should your equipment be damaged in the process of shipment or delivery to your place of destination, we recommend the following course of action:

- If possible, call the shipping company before the driver leaves your delivery site. Make note of the damage on the "receipt of delivery" paperwork. If this is not possible, call them as soon as possible to report the damage.
- Take photographs of the damaged packaging prior to opening the boxes. If this is not possible, make note of key points, such as whether the equipment is on a pallet, if the banding is intact, how the boxes are damaged, etc. Keep all of the packaging for inspection by the shipping company.
- If you unpack the equipment, take photographs of the damaged equipment. If this is not possible, make note of the damages.
- You must file a claim with the shipper for shipping damages immediately after reporting the damages.

Should you specify the carrier, we recommend that you explore with this chosen carrier the policies and procedures regarding shipping damage claims prior to selecting them as your preferred carrier.

If the equipment receives structural damage and is in an un-installable condition, Triton will work with you to arrange for a replacement unit to be shipped as soon as possible. The purchaser will be billed for the replacement unit. Triton's Repair Technicians will repair the damaged unit after it is returned to our facilities. We will credit the purchaser's account for the full purchase price of the damaged unit, minus the cost of returning the unit to 'like new' condition. Under no circumstances does Triton authorize anyone to complete structural damage repairs in the field. Therefore, we will not ship primary structural parts, such as a cabinet head or main cabinet body for repair in the field.

AUTHORIZED INSTALLATION AND SERVICE PROVIDERS

Triton Systems utilizes several nation-wide and regional authorized third party maintenance providers. All miniATM[™] Cash Dispensers must be installed and serviced by service technicians certified by Triton. This includes authorized third party service technicians and technicians who have been factory trained by Triton to service miniATM[™] equipment. Installation or repairs attempted by unauthorized service technicians automatically voids the warranty on the product.

Please contact Triton Systems' Technical Services Department at (800) 259-6672 for a list of our third party service providers and/or to obtain information on the requirements and procedures for becoming a certified Triton service technician.

APPENDIX C - WARRANTY AND REPAIR POLICIES/PROCEDURES

TRITON'S TECHNICAL SERVICES DEPARTMENT

The primary purpose of the Technical Services Department is to provide assistance to customers in the operation, trouble shooting, and repair of equipment manufactured by Triton. A toll-free phone number (1-800-259-6672) is provided for convenience. The Technical Services Department operates to serve our customers. The staff is trained to follow our policies and procedures to ensure fair and uniform treatment of all our customers.

Automated Voice Mail System. Our goal is to have a 'live' person answer 100% of all incoming calls (during regular support hours). On occasion, however, call loads may exceed the capacity of the staff. When this occurs, an automated voice mail system will answer the call, indicate to the caller that all Technical Support Specialists are busy assisting others, and ask the caller to leave detailed information about the nature of the call.

Should it become necessary to leave a voice mail message, the caller should state:

- their name
- the organization for which they work
- the serial number of the equipment they are calling about
- detailed description of the problem that they are experiencing
- phone number where they can be reached, including area code.

As Technical Support Specialists become available, they check for voice mail messages and return calls in the order in which they were received. By providing the information requested in the voice mail, the technician can be prepared when your call is returned. Triton asks you to be patient if you must leave voice mail, and assures you that your call is important to us and that we will respond promptly.

Calls for Service or Repair. Calls for service or repair will be accepted from authorized service technicians only. End users must contact either the sales organization that placed the equipment or an authorized third party service organization to obtain service. The sections that follow describe the policies and procedures that relate to the repair and replacement of malfunctioning equipment.

Questions on Operation of Equipment. Technical support is available to owners of Triton equipment and to qualified service personnel. When calling for help with the configuration or operation of a Triton product, the caller must provide either positive identification as a service technician or the serial number of a Triton terminal. Technical support is provided during normal business hours for the life of the product.

When calling for help with an operational Problem, please have available information pertaining to the nature of the trouble. This includes the type of equipment, examples of what is or is not happening, and the name of the processor that supports your terminal.

All questions pertaining to the settlement of accounts, transaction inquiries, and fund status must be directed to the processor. Triton does not have access to the information needed to answer questions relating to specific transactions.

APPENDIX C - WARRANTY AND REPAIR POLICIES/PROCEDURES

CONTACT INFORMATION

TRITON SYSTEMS, INC.
21405 B STREET
LONG BEACH, MS 39560

Sales:

(800) 367-7191
(228) 868-1317
(228) 868-0437 FAX

Service:

(800) 259-6672
(228) 868-0859 FAX

APPENDIX D

**MODEL 9640/9660
CASH DISPENSER
INSTALLATION INSTRUCTIONS**

APPENDIX D - CASH DISPENSER INSTALLATION INSTRUCTIONS

INTRODUCTION

This section describes how to install the Cash Dispenser.

UNPACKING THE CASH DISPENSER

Perform the following steps to unpack the Cash Dispenser:

NOTE

Carefully inspect the unit for any shipping damage and report any damage immediately to the shipping company. Refer to your Warranty Information brochure for more information about reporting shipping damage.

- 1.) Remove the unit from the carton by cutting the straps and removing the top of the box.
- 2.) Remove the loose packing material from inside of the box.
- 3.) Remove the silver key from the white plastic bag attached to the Cash Dispenser wrapping.
- 4.) Stand the unit up.
- 5.) "Walk" the unit out of the carton and remove the protective plastic bag.
- 6.) Use the silver colored key to open both the Control Panel and the Fascia Door on the front of the cabinet which conceals the locking mechanism.
- 7.) Turn the T-handle to open the front enclosure door.
- 8.) Remove the accessory kit from inside the bottom enclosure and open and inspect the contents. Check the contents against the enclosed packing list. Report any missing parts to Triton immediately.

APPENDIX D - CASH DISPENSER INSTALLATION INSTRUCTIONS

NOTE

The unit was shipped with the combination lock unlocked. If it has become locked, a manual lock can be unlocked by turning the dial at least four complete revolutions counterclockwise (to the left) stopping on 50 at the main (opening) index. Then run the dial counterclockwise to retract the bolt. (Enter 123456 if the cabinet has an electronic lock.) Turn the dial clockwise (to the right) until it stops (approximately 90 degrees) to unlock the door and rotate the "T" handle to open the door

SECURING THE CASH DISPENSER TO THE FLOOR

Once the Cash Dispenser has been removed from its packaging, and the accessories and keys have been located and set aside, perform the following steps to secure the Cash Dispenser to the floor in the selected operating location:

- 1.) "Walk" the Cash Dispenser to the location where it will be installed. Locate the four anchor bolt holes in the bottom the cabinet. Mark the location of the four holes on the floor as guides for the holes that will be used for the anchor bolts (supplied by the installer) that secure the cabinet.
- 2.) Move the Cash Dispenser away from the installation location. Use a 1/2 inch drill bit to drill four holes at least 2 inches deep into the floor.
- 3.) Return the Cash Dispenser to the installation location and align the base over the four holes. Place the four anchor bolts through the cabinet base into the holes in the floor. Sleeve anchors (1/2 inch by 4 1/4 inches) are recommended to attach the unit to the floor. Tap the four anchor bolts into the to concrete.
- 4.) Use a carpenters level to make sure that the cabinet is level front to back and side to side. The four leveling bolts in the bottom of the cabinet can be adjusted with an adjustable wrench.
- 5.) Attach the four nuts to the anchor bolts and tighten firmly.

APPENDIX D - CASH DISPENSER INSTALLATION INSTRUCTIONS

INSTALLING THE DISPENSING MECHANISM

Once the Cash Dispenser is securely in place the dispensing mechanism itself can be installed. Perform the following steps:

****CAUTION****

Be certain that you have not applied power to the Cash Dispenser before you continue!

- 1.) Verify the power switch located inside the top of the cabinet is in the OFF (“0”) position. Remove the packing material from the ends of the cables that are inside the cabinet.
- 2.) Unpack and remove the dispenser mechanism from its shipping container. **CAUTION: Use only the green handle and drive motor in rear of dispenser to lift the mechanism. After the handles are installed, use them to lift the mechanism!**
- 3a.) Align the mounting holes in the handle and internal slide member to the three threaded holes in the side of the mechanism. Be sure that the notch in the slide member is toward the rear of the mechanism, as shown in Figure 1.
- 3b.) Insert three of the provided screws through the slide member and handle and into the mechanism and tighten.

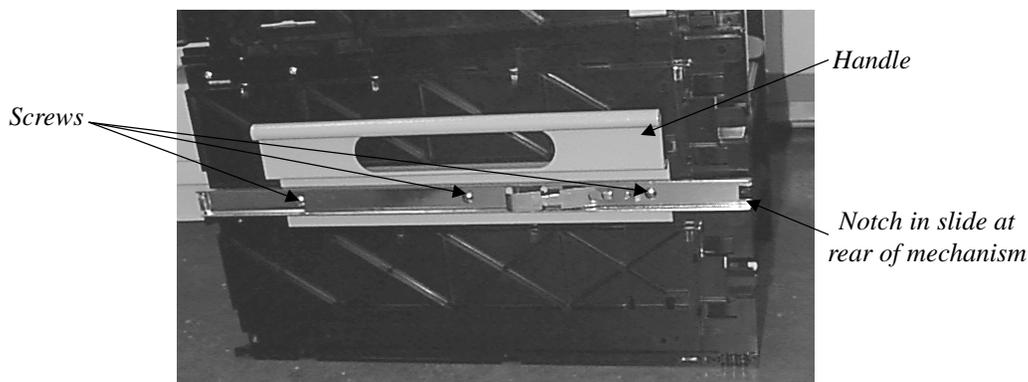


Figure 1.

- 4.) Repeat steps 3a and 3b for the other side of the dispenser.
- 5.) Pull the slides out to their fully extended position, as shown in Figure 2.

APPENDIX D - CASH DISPENSER INSTALLATION INSTRUCTIONS



Figure 2.

- 6.) Pick up the dispensing mechanism by the newly installed handles and load it into the unit by carefully guiding the dispenser slides into the unit slides. See Figure 2-3.



Figure 3.

Dispenser
Slide

Unit Slide

- 7.) Refer to Figure 4. Connect the data cable (9600-0057) to the connector on the front left side of the dispenser mechanism. Be sure to use the forward most connector as shown. The plug is keyed to ensure proper installation.
- 8.) Connect the power cable to the front of the dispenser. See Figure 5. Ensure the cable does not protrude into the bill path.
- 9.) Turn the dispense power switch located just to the left of the power connector to ON (“I”).

APPENDIX D - CASH DISPENSER INSTALLATION INSTRUCTIONS

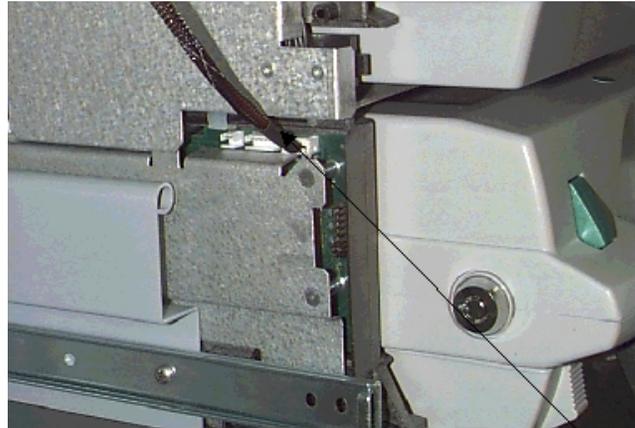


Figure 4.

Data
Cable



Figure 5.

Power
Cord

COMPLETING THE PHYSICAL INSTALLATION

- 1.) The Model 9640 Cash Dispenser state of the art design is quite tolerant to power line variations, particularly with its integral built-in surge suppressor. However, it is recommended that AC power for the terminal come from a dedicated source with an isolated ground. Route the AC power cord and the phone cord out through the hole in the back of the cabinet and install the split ring grommet into the hole. Connect the AC input plug to the wall outlet. Connect the phone cord into the wall mounted modular phone jack. The phone line used for the Model 9640 should not be shared with any other device.

APPENDIX D - CASH DISPENSER INSTALLATION INSTRUCTIONS

- 2.) If included: install the lamp in the Sign Housing by removing the two screws that secure the front of the Sign Housing to its rear panel. Plug the 9 watt florescent tube (included in the accessory kit) into its socket. Install the front of the Sign Housing and secure it in place with the two screws. Plug the AC power cord coming from the Sign Housing into the AC outlet on the power supply.
- 3.) Turn the power switch located inside the top of the cabinet to ON (“I”). Verify the lamp inside the Sign Housing is illuminated.
- 4.) Load the receipt printer with paper making sure that the receipt paper roll feeds from the top of the roll. Once the end of the paper is inserted into the printer it will automatically feed to the output. Close the Control Panel.
- 5.) Install currency in the cassettes and insert and them into the dispensing mechanism. Refer to Section 4 of the Model 9640 Cash Dispenser Operation Manual for detailed information and procedures concerning handling cassettes.
- 6.) Press both the <BLUE> key and the <1> key on the keyboard at the same time. A menu is displayed that allows you to select customer or management functions. Select the MANAGEMENT FUNCTIONS menu by pressing the uppermost right function key on the keypad. Now enter the factory default master password of “123456” to enter the management mode. Select the DIAGNOSTICS option from the MANAGEMENT FUNCTIONS main menu and perform the Test Dispense operation as outlined below.

TEST DISPENSE

The Test Dispense command instructs the dispenser to send one note from each note cassette into the reject cassette. Although this test exercises the dispenser no bills actually leave the mechanism. This command returns the test results from the dispenser as outlined in Section 5 and Section 8 of the operations manual. If the test result is not correct, follow the instructions as outlined in these sections of the manual. Press the EXIT option until you are returned to the MANAGEMENT FUNCTIONS main menu. Refer to Section 3 and Section 5 of the operations manual for additional Cash Dispenser initial setup procedures.

APPENDIX E

**CASSETTE ADJUSTMENT
PROCEDURE**

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

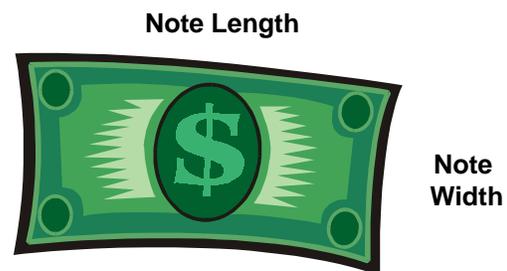
INTRODUCTION

The cassettes in the Cash Dispenser can be adjusted to accept currencies of various sizes. The dimensions of a note usually depend upon the country of origin and the denomination of the note.

The length and width settings of the currency support tray inside the cassettes are adjusted to handle notes of a particular length and width. The following instructions describe how to make these adjustments.

NOTE MEASUREMENTS

Determine the length and width (in millimeters) of the type of note that will be loaded into the cassette. If possible, consult an appropriate official reference source (e.g. note issuer) for this information; otherwise, carefully measure the length and width of a new, uncrumpled sample of the note. The length and width measurements will be used to obtain the appropriate cassette adjustment settings from Table 1, Note Width Settings and Table 2, Note Length Settings



PRELIMINARY PREPARATION

If necessary, remove the cassette to be adjusted from the Cash Dispenser and open the cassette using the applicable procedures in Section 4, Handling Cassettes. If there are notes in the cassette, remove them.

NOTE LENGTH ADJUSTMENT

Follow these steps to adjust the length setting of a note cassette:

1. Refer to Table 1, Note Length Settings. Search the Note Length columns in the table to find the value that is closest to the length of the note you wish to use in the cassette. The length should have been previously determined, as described under “Note Measurements”, above. This length value is associated with Left and Right alphabetic characters. These characters are the adjustment settings for the note-guides in the cassette. Record these settings (for example, Left = Q, Right = R) for use in a later step.

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

TABLE 1 - NOTE LENGTH SETTINGS								
NOTE LENGTH	CASSETTE		NOTE LENGTH	CASSETTE		NOTE LENGTH	CASSETTE	
	LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT
93	S	S	123	N	N	153	I	I
94	R	S	124	M	N	154	H	I
95	R	S	125	M	N	155	H	I
96	R	S	126	M	N	156	H	I
97	R	R	127	M	M	157	H	H
98	R	R	128	M	M	158	H	H
99	R	R	129	M	M	159	H	H
100	Q	R	130	L	M	160	G	H
101	Q	R	131	L	M	161	G	H
102	Q	R	132	L	M	162	G	H
103	Q	Q	133	L	L	163	G	G
104	Q	Q	134	L	L	164	G	G
105	Q	Q	135	L	L	165	G	G
106	P	Q	136	K	L	166	F	G
107	P	Q	137	K	L	167	F	G
108	P	Q	138	K	L	168	F	G
109	P	P	139	K	K	169	F	F
110	P	P	140	K	K	170	F	F
111	P	P	141	K	K	171	F	F
112	O	P	142	J	K	172	E	F
113	O	P	143	J	K	173	E	F
114	O	P	144	J	K	174	E	F
115	O	O	145	J	J	175	E	E
116	O	O	146	J	J	176	E	E
117	O	O	147	J	J	177	E	E
118	N	O	148	I	J			
119	N	O	149	I	J			
120	N	O	150	I	J			
121	N	N	151	I	I			
122	N	N	152	I	I			

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

- Refer to Figure 1. Identify the note support assembly. If the note support arms are made of metal, they must be removed before the length adjustment can be performed. If the note support arms are made of plastic, ensure they are in the “Not In Use” position (folded in as shown in Figure 2).

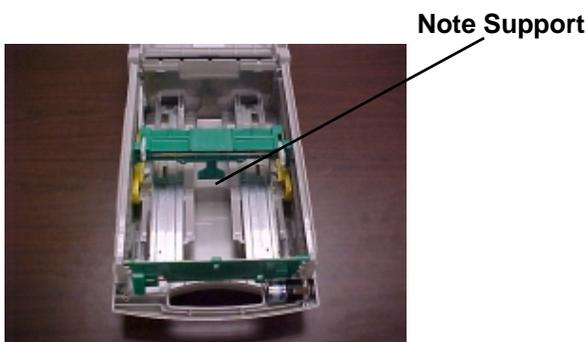


Figure 1

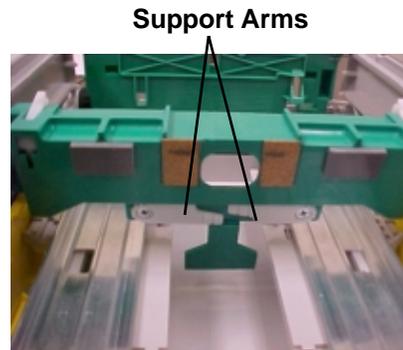


Figure 2

- Push the note support assembly to the rear (feed-end) of the cassette, as in Figure 3.



Figure 3

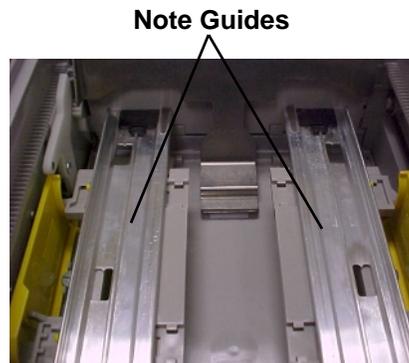


Figure 4

- Identify the note guides (see Figure 4). There is a left note-guide and a right note-guide (“left” and “right” are as seen from the “front” or handle end of the cassette). The guides consist of spring-loaded rails attached to individual support assemblies. The support assembly provides the mechanism for adjusting the length setting of the guide-rail. The guide-rails can be moved closer or farther apart on their support assemblies, to accommodate currencies of various lengths.

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

- Note that the left and right guide-rails each possess two note guide-holes, as shown in Figure 5. Each of the note guide holes provides access to an adjustment scale underneath.

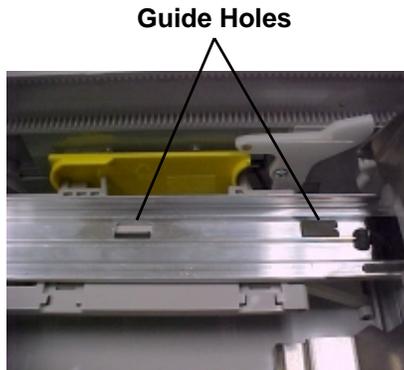


Figure 5

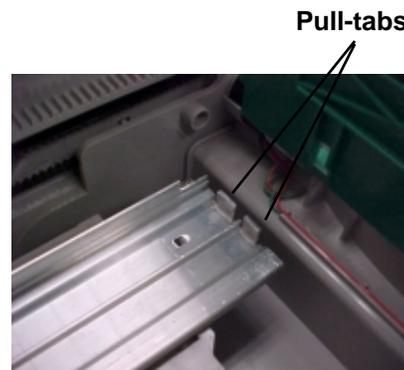


Figure 6

- To access the adjustment scales in the guide-holes, select either the left or right guide-rail to begin. Grasp the pull-tab at the end of the rail, shown in Figure 6 and pull forward while lifting up slightly. It is important to lift up the rail while pulling it forward in order to clear the rail stop near the front of the cassette. The guide rail should slide forward until it touches the front of the cassette (see Figure 7). The guide rail is under spring pressure, so you will need to apply constant pressure to keep the rail in this position during the adjustment.
- Note that two adjustment scales under the guide-holes have now been revealed, as shown in Figure 8. The scale indicates various adjustment settings using alphabetic characters.



Figure 7

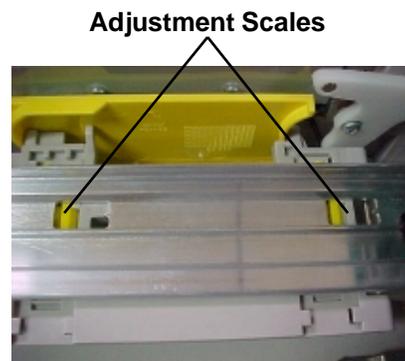


Figure 8

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

Note the tip on one side of the guide-hole, as shown in Figures 9 and 10. This tip points to the current adjustment setting of the scale. In the next step you will move the guide-rail in or out as needed to select the appropriate setting for the currency, using the value obtained in Step 1 of this procedure.

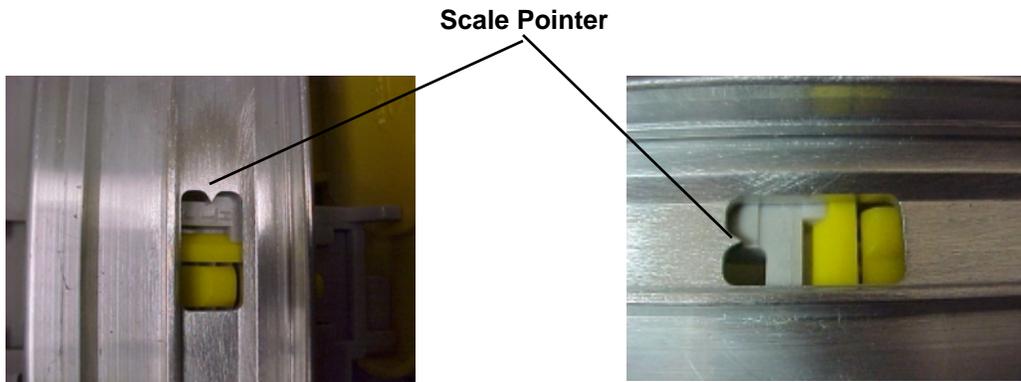


Figure 9

Figure 10

8. If this is the right-side guide-rail (as seen from the handle side of the cassette), use the Right length value obtained in Step 1. If this is the left guide-rail, use the Left length value. While pulling the rail forward as described in Step 7, grasp the rail with your other hand and move the rail to the left or right as needed to align the pointer on both guide-holes with the correct adjustment setting for this rail. *Both guide-holes on the rail should be set to the same setting!*
9. When both guide-hole pointers are pointing to the correct setting, allow the guide-rail spring to draw the rail back to the normal position. **DO NOT** allow the rail to simply snap back on its own: guide the rail back by slowly releasing pressure on the pull-tab until the rail is in its normal position.
10. Repeat Steps 6 through 9 on the remaining guide-rail.
11. If metal note-guide arms were removed in Step 2, replace them. If plastic note-guide arms were moved to the “Not In Use” position, place them in the “In Use” position. After completing the length adjustment for the second guide-rail, continue with the width adjustment procedure, described in the next section.

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

NOTE WIDTH ADJUSTMENT

1. Refer to Table 2, Note Width Settings. Search the Note Width columns in the table to find the value that is closest to the width of the note you wish to use in the cassette. The width should have been previously determined, as described under “Note Measurements”, above. The width value is associated with a number in the Cassette column. This number is the adjustment setting for the height of the note-guide assembly in the cassette. Record this setting for use in a later step.

Adjustment Bracket

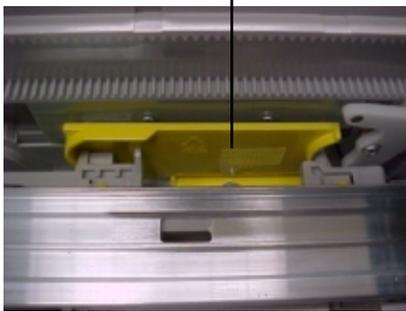


Figure 11

Bracket Screw

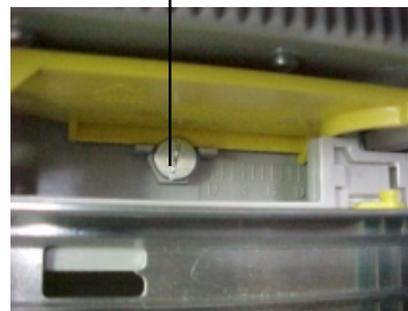


Figure 12

2. See Figure 11. Between each note-guide assembly and the side-wall of the cassette there is an adjustment bracket. Extensions from the support assembly rest within curved guides in this bracket.

The note-guide support assemblies can be moved up or down within the adjustment bracket, to accommodate currencies of various widths (because the width dimension of the note affects the height of the currency bundle in the cassette, it is necessary to adjust the height of the note-guide assemblies accordingly). Although each guide-rail is adjusted individually, both rails are adjusted to the same setting.

A single screw secures the bracket to the bottom of the cassette, as shown in Figure 12. Note that a ruler scale is embossed into the floor; a pointer on the bottom edge of the adjustment bracket points to the current width setting, as shown in Figure 13. In the next step, you will loosen the adjustment bracket screw to allow the bracket to be moved to the proper width setting for the note, as determined in Step 1 of this procedure.

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

TABLE 2 - NOTE WIDTH SETTINGS				
NOTE WIDTH	CASSETTE		NOTE WIDTH	CASSETTE
55	13		74	7
56	13		75	7
57	13		76	7
58	12		77	6
59	12		78	6
60	12		79	5
61	11		80	5
62	11		81	5
63	11		82	4
64	10		83	4
65	10		84	4
66	10		85	3
67	9		86	3
68	9		87	3
69	9		88	2
70	8			
71	8			
72	8			
73	8			

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE

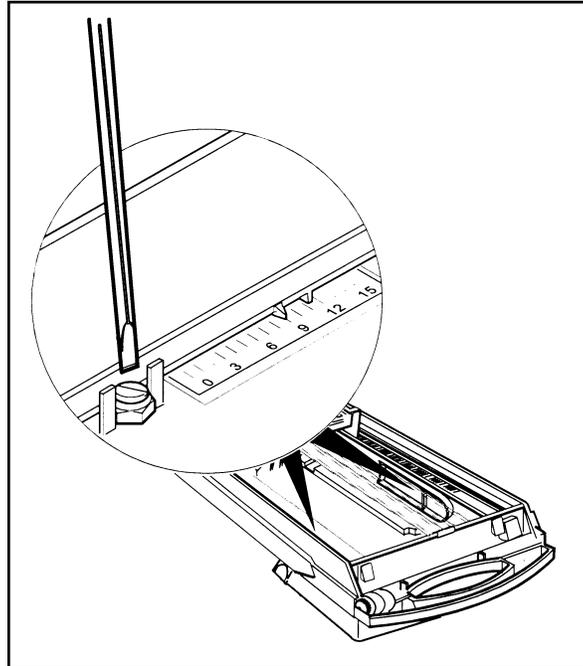


Figure 13

4. To make the width adjustment, select either the left or right guide-rail to begin. Use a flat-blade screwdriver to loosen the screw that secures the adjustment bracket to the bottom of the cassette, as shown in Figures 13 and 14. It is not necessary to remove the screw completely.
5. Slide the adjustment bracket forward or backward as necessary to align the pointer with the width setting obtained in Step 1 above. It may be necessary to raise the guide-rail assembly to allow the bracket to be moved into the correct position. If this is the case, simply lift up on the note-guide support assembly (see Figure 15). Spring action in the note-guide support will draw the assembly down once it released, allowing it to rest within the adjustment bracket guides.

Once the adjustment bracket is in the proper position, tighten the screw to hold the bracket in place. Allow the note-guide assembly to rest within the bracket (Figure 16).

APPENDIX E - CASSETTE ADJUSTMENT PROCEDURE



Figure 14



Figure 15



Figure 16

6. Repeat Steps 4 and 5 for the remaining note-guide assembly. *Both note-guides should be set to the same width setting!*
7. The cassette can now be loaded with the new currency and installed in the Cash Dispenser, according to the applicable instructions in Section 4, Handling Cassettes.

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