

UNPACKING YOUR CASH REGISTER and SET-UP

PREPARATION

When your cash register is new in its factory packaging, you will find the various items for the register packaged separately. Look for and unwrap the following: 1 paper roll and duplicate key sets for the Control Lock and Cash Drawer/Journal Lock. The black journal winder spindle is secured by tape inside the printer cover.

STANDARD ACCESSORIES

The following are included in the box with your cash register:

- Instruction manual.
- 1 black plastic journal winder spindle (secured by tape inside the printer cover).
- 1 starter roll of standard paper tape, Royal Reorder Number 013129 (57mm) for single ply; 013130 (57mm) for 2-ply.
- 1 purple ribbon (already installed), Royal Reorder Number 013019.
- 4 standard "AA" batteries for battery back-up system.
- Keys: (2) Cash Drawer/Journal Lock keys (515).
(2) Program keys (PRG, 427-023).
(2) Register keys (REG, 427-024).
(2) "Z" keys (427-012).

INITIAL SET UP

IT IS IMPORTANT THAT YOU READ THE INITIAL SET-UP AND MAINTENANCE INSTRUCTIONS BEFORE ATTEMPTING TO OPERATE THE CASH REGISTER.

1. Locate on level surface - Before operating the cash register, be sure it is placed on a level surface to permit smooth operation of the register cash drawer. The register should not be placed on a porous surface or one that has been treated with a substance that may interact with the rubber feet. Depending on the surface or cleaning solution, the composition of the rubber may leave marks on the surface. As a precaution, do not place the register on any valuable surface, such as antique or precious/fine wood tables, desks, etc.
2. **IMPORTANT: THE CASH REGISTER MUST BE PLUGGED IN BEFORE INSTALLING THE BACK-UP BATTERIES.** This cash register operates on any standard three-hole electrical outlet (115-120 volt, 60 hertz). It is recommended that the cash register be connected to an electrical circuit where no other electrical device or appliance is connected which may overload the circuit or cause electrical interference with the cash register. It is best that a single circuit be provided for register operations.
3. Be sure the cash register is plugged in and install the 4 standard "AA" batteries provided. Refer to Page 9 for battery installation instructions.
4. Install paper - Refer to Page 10 for paper installation instructions.

MAINTENANCE OF YOUR REGISTER

- Your register must remain uncovered when turned on; this will allow proper cooling of electronic components.
- Use a dust cover when the register is not in operation to protect mechanical components from dust.
- Take care to keep beverages and other liquids away from the machine to avoid spills which may damage electronic components (use the optional protective keytop cover to prevent damage to machine).
- To clean, use a soft dry cloth. Do not use harsh solutions containing alcohol.
- Your machine should be kept in areas free from dust, dampness or extreme temperatures (hot or cold).
- After storage in extreme temperatures (below 32 degrees fahrenheit or above 104 degrees fahrenheit), allow the temperature inside the machine enough time to reach room temperature before switching on.
- Never pull the paper tape through the printhead. To prevent damage, always use the electronic paper feed keys.
- Should electronic service be needed, a Royal authorized service center is recommended.

GETTING TO KNOW YOUR CASH REGISTER

USING THIS MANUAL

Your cash register manual is organized for easy reference. The front portion contains general information on all features and functions of the cash register. Instructions for setting the programs are next. Transaction examples for operating the register are at the back of the manual, along with information on troubleshooting. Use the TABLE OF CONTENTS to locate a particular section you are interested in.

Throughout this manual references to the keypad are shown in bold and in parenthesis; for example: **PRESS** the number **(1)**. References to the Operational keys are shown in brackets; for example: **PRESS** the **[AMT TEND/TOTAL]** key.

HOW TO GET STARTED

Before you begin to program or use your new Royal Cash Register, you should spend some time becoming familiar with the Control Lock System, Keyboard Functions and the Display. Review setting up and basic maintenance information. Then proceed by installing the paper roll. Follow the easy Quick Start program. Finish by practicing the transaction examples provided.

PROGRAMMING THE CASH REGISTER

Simple step-by-step instructions are provided to help you quickly program your register for standard operations. Please refer to the Quick Start programming on Pages 13-15.

OPERATING THE CASH REGISTER

Transaction examples are provided for registering various operations, such as a cash, check, or charge sale; tendering change; multiple item sale; PLU sale; split tendering; voiding; refunding; discounting; coupon reduction and more. For details see Pages 51-67.

PROBLEMS WITH USAGE OF THE CASH REGISTER

If you are having technical difficulties or if your cash register is malfunctioning, refer to the Troubleshooting section on Page 77.

SECURITY SYSTEM and ERROR CONDITIONS

SEVEN-WAY SECURITY SYSTEM: Your Royal cash register is protected by an efficient security system that incorporates the following:

- A Control Lock that cannot be activated without the Register or Program key. The Register key accesses the "OFF" mode, X mode, and "REG1" and "REG2" modes only, thus limiting access to other modes to individuals who are authorized to use the Manager key.
- A Journal/Receipt Compartment that can be locked to prevent journal tampering and unauthorized receipt manipulations.
- A securely locked cash drawer.
- High digit lockout option which inhibits excessively high register over rings.
- Availability of 15 clerk numbers to monitor access and sales of individual operators. Clerk names print on both receipt and journal tapes. A separate password can also be programmed for each clerk.
- 2-way Password system to prevent unauthorized programming or printing of management reports. A password can be programmed to limit access to "PRG" and "Z" positions only and a separate password to limit access to the "X" position only.
- A broad range of management reports to provide detailed data on virtually all cash register operations performed on the machine; monitors use of the "No Sale" key, number of voids, refunds, etc.

ERROR CONDITIONS

REGISTER TONE - This cash register emits a brief audible tone that sounds to confirm registration each time a key is pressed.

ENTRY ERROR ALARM - When using the register, all operations must be performed in the proper sequence. If an error occurs, the register will sound a continuous tone alarm ("ERROR" appears in the display and the Keyboard locks). To clear the error/lock condition, the operator simply **presses** the **[CLEAR]** key and continues to operate in the proper sequence. **IMPORTANT** - When an operation is begun but not completed in the "REG1" or "REG2" positions, turning the control lock to another position will result in an alarm/error condition. When a transaction is begun in either the "REG1" or "REG2" position, it must be completed by use of one of the totalizer keys (i.e., the [AMT TEND/TOTAL] key) before changing the Control Lock to another position.

MAXIMUM ENTRY LOCK-OUT - To prevent the operator from making an entry into the register of an erroneously high price, the register can be programmed to limit the number of digits that can be entered in the transaction. The register can be programmed to "Lock-Out" after an entry of one (.09) to seven (99,999.99) digits.

CLEAR KEY [CLEAR] - As described above, the Clear [CLEAR] key will erase an alarm condition caused by an operational error (usually pressing a key which was not proper for that operation). The [CLEAR] key will not erase a transaction which has been registered by an operating key and printed on the register tape. To erase entries made in error after pressing the Department key or any other operating key causing the entry to be printed on the tape, use the Void [VOID] key function to correct the error.

PE-PRINTER ERROR - If a "PE" is displayed, first check if you are out of paper. Second, check for a paper jam. Follow the directions in the Troubleshooting section of this manual on Page 77.

HALF SYSTEM CLEAR - If an error tone still persists, perform a Half System Clear. For details on a Half System Clear see Page 77.

FULL SYSTEM CLEAR - If the operator cannot correct an error lock condition, as a last resort a Full System Clear should be done. For details on the Full System Clear see Page 77.

THE CONTROL LOCK: Located at the left of the operating area, the Control Lock is a switch that places the cash register into its several operating modes. These modes are:

Program Mode (PRG): The position is used to set and change your individualized programming for register operations.

Locked Mode (OFF): This position is used when the cash register is not in use. The register is inoperable and the cash drawer stays closed.

Register Mode (REG1) - Receipt Mode: (Recommended setting if you wish to issue a customer receipt). Store name/logo will print. Also feeds several lines between receipts. **(REG2) - Journal Mode:** Recommended setting if you do not wish to issue a customer receipt; no store name/logo will print; also feeds only 1 line between receipts.

Report Mode (X): Permits reading of all transaction totals at any time without clearing the register (normally known as a "mid-day" reading). This cash register is capable of producing numerous management reports.

Reset Mode (Z): Permits reading of all transaction totals and clears all transaction totals to zero, except the running grand total (normally known as the "end-of-day" or "daily close-out" reading). This cash register is capable of producing numerous management reports such as weekly/monthly readings.

CONTROL KEYS: Two pairs of keys are provided for the Control Lock and the Cash Drawer/Journal Lock.

Register Key (REG): Provides movement to the OFF, REG2, REG1 and "X" modes only. (Note: A Manager Password is available exclusively for the "X" position, for details see Page 21).

Program Key (PRG): Provides access to all of the operating modes. This system effectively limits access to the PRG, X, and Z modes to individuals who are authorized to use the PRG key only. (Note: A separate Manager Password is available for each "X" and "PRG/Z" positions, for details see Page 21).

Journal Lock/Cash Drawer Key (515): Used to lock both the cash drawer and journal compartment for additional security.

REMOVABLE CASH DRAWER WITH LOCK: The cash drawer will automatically open after completing a transaction, by pressing the [# / ST / NS] key, or by the hidden emergency lever underneath the register.

The cash drawer is electronically locked when the Control Lock is in the "Off" position. In addition, the cash drawer is designed with a security lock and when used with the Cash Drawer key, manually locks the cash drawer and prevents electronically opening it by the [# / ST / NS] key or by the hidden emergency lever underneath the register.

The Bill Tray and Coin Tray can easily be removed from the register by lifting up on the open drawer and pulling toward you.

The Alph585cx Cash Register also has an accessory drawer with a media slot to hold checks, charge receipts, coupons, pens, extra coin rolls and other items you may wish to keep separate from the cash drawer.

KEYBOARD FUNCTIONS

FIGURE 1: Control Lock and Keyboard Functions

KEYBOARD FUNCTIONS

The following key functions are primarily for cash register entries in REG1 or REG2 mode. Several keys also have other functions in the PRG, X and Z modes which are explained further in the manual.

- (1) **Paper Feed key [Feed]** advances the paper one line. Hold down to advance paper continuously.
- (2) **Minus/Coupon key [CPN]** is used to subtract a specific amount from an individual item.
- (3) **Quantity and Time key [QTY/DATE]** - double function - is used to multiply a number of items entered at one price and to display the current date.
- (4) **Minus Percentage Discount key [-%/RA]** - double function - **(-%)** is used to subtract a percentage rate such as an employee discount from an individual item. The rate can be pre-programmed or manually entered. **Received-On-Account key (RA)** is used to register dollar amounts placed in the cash drawer that are not part of a sales transaction. Also used to register payments made to a customer's charge account or to declare the starting amount of cash in the drawer for the day.
- (5) **Plus Percentage [+% / PO]** - double function - **(+%)** is used to add a percentage rate such as a service charge or gratuity to an individual item. The percentage rate can be pre-programmed or manually entered. **Paid-Out key (PO)** is used to register dollar amounts taken out of the cash drawer; i.e., petty cash.
- (6) **Clear key [CLEAR]** clears the display to correct an entry before it is processed. Also stops error alarm when incorrect entries are made.

KEYBOARD FUNCTIONS

- (7) **Void/Error Correction key [VOID]** - 3 functions - **Void** is used for correcting a particular entry after it is processed and printed or as the Error Correct function, it is used for deleting the last item entered. **Void** also functions as a backspace and correct key during programming of alpha descriptions.
- (8) **Clerk key [CLERK]** is used for entering clerk numbers.
- (9) **PLU/Release key [PLU ALT]** is used to temporarily override a price which was preset to a PLU number.
- (10) **PLU key [PLU]** allows the numbers from 1 to 499 to be used as codes for pre-programming merchandise prices, to maintain a tally of cost and quantity of the merchandise sold. Each PLU can be programmed with a 12 character description.
- (11) **Tax 1 key [TAX 1]** adds a tax amount to the sales figure according to the tax rate programmed for this key. Tax 1 key is normally used to program a single tax rate required by a particular area or state. When the USA tax system is selected it can also be used to override the pre-programmed tax on a department key.
- (12) **Tax 2 key [TAX 2]** adds a tax amount to the sales figure according to the tax rate programmed for this key. Tax 2 key is normally used to program a second tax rate required by a particular area or state. When the USA tax system is selected it can also be used to override the pre-programmed tax on a department key.
- (13) **Numeric Input keys (0-9/00/.)** are used to input dollar amounts of merchandise sold, to indicate how many times a particular item repeats, to add and subtract percentages in conjunction with the -% and +% keys, to input department code numbers, to handle figures that require a decimal point and for other numeric value-related entries. Double Zero (00) allows for quick entry of numbers with two or more zeros. Decimal Point (.) is used to enter fractional quantity of items being sold. In all modes, the Decimal Point is not to be used when entering a price.
- (14) **Department keys [1-20]/[21-30]** are used to specify which department the transaction is for. Each department can represent a category of merchandise sold and can be programmed as taxable or non-taxable. **NOTE: The department keys with letters are used in the program mode when programming alpha descriptions.**
- (15) **Department Shift key [DEPT SHIFT]** is used to make entries for departments 21-30. Press Shift before each department entry for departments 21-30. The register goes back to the non-shift mode after each department entry.
- (16) **Non Tax key [NON TAX]** is used when no tax is to be registered for a department that is programmed for tax. This function is only available when the tax status is set for USA tax system. (Flag 13, option 0)
- (17) **Check key [CHECK]** is used to finalize a transaction paid by a check.
- (18) **Return key [RETURN]** is used for issuing refunds for returned merchandise.
- (19) **Charge key [CHARGE]** is used to finalize a transaction paid by a credit card or can be used to denote an in-house charge.

KEYBOARD FUNCTIONS

- (20) **Subtotal With Tax key [SUBTOTAL/W/TAX]** displays the total sales amount, including sales tax. It is not printed on the register receipt until the sale is finalized by pressing either the [CHECK], [CHARGE] or [AMT TEND/TOTAL] key.
- (21) **Subtotal, No-Sale and Non-Add key [#ST/NS]** - triple function - As the No-Sale key, it opens the drawer without registering any amounts; for example, to give change. The Non-Add key function allows entering, up to 7 digits, a reference number which prints on sales receipts. As the Subtotal key, it displays and prints the subtotal of a sale without sales tax.
- (22) **Amount Tendered Total key [AMT TEND/TOTAL]** is used to finalize a transaction paid by cash and calculates the amount of change required from the cash received.

Date and Time Display: Press the [QTY/DATE] key in the register mode to show the date. The date will change to the scroll message when no keys are touched for 30 seconds. The [QTY/DATE] key is a double function key where, during a transaction, it is used to multiply the quantity of items sold where an item is repeated.

<p>LEAVING THE REGISTER PLUGGED IN: Keep the register plugged in and at the "OFF" (Locked) position when not in use. The keyboard is then inoperable and the cash drawer is electronically locked, but a minimum amount of power maintains the programs and transaction data totals.</p>

OPERATOR DISPLAYS

Your cash register provides two displays, 1 line alpha and 1 line numeric, which feature large, easy to read fluorescent digits for easy operator viewing. The alpha capacity is 10 digits for character descriptions in both register and programming modes.

Descriptions which appear on the Alpha (Operator) Display:

- Discount:** Displays when the [-%/RA] key is used to register a percent discount amount.
- Add On:** Displays when the [+%/PO] key is used to register a plus percentage amount.
- Void/Corr:** Displays when the [VOID] key is operated.
- No Sale:** Displays when the [#ST/NS] key is operated.
- Refund:** Displays when the [RETURN] key is operated.
- Non Tax:** Displays when the [NON TAX] key is operated.
- Tax 1/Tax 2:** Displays when the [TAX 1 or TAX 2] key is operated.
- Sec Code:** Displays if a manager password has been programmed. When this appears, the password must be entered.
- Clerk Err:** Displays when clerk numbers have been programmed and the clerk system is active. When this appears, the clerk number must be entered.
- SUBTTL:** Displays when the [SUBTOTAL W/TAX] or [#ST/NS] key is pressed.
- Charge:** Displays when the [CHARGE] key is used to finalize a sale.
- Check:** Displays when the [CHECK] key is used to finalize a sale.
- Cash:** Displays when the [AMT TEND/TOTAL] key is used to finalize a cash sale.
- Change:** Displays when change is due.
- Error:** Displays when the incorrect key is pressed. Press the [CLEAR] key to reset.
- Coupon:** Displays when the [-/CPN] key is operated.
- R-A:** Displays when the [-%/RA] key is used for a received on account function.
- P-O:** Displays when the [+%/PO] key is used for a paid out function.

When ringing up sales, you will also see the department number or PLU number displayed. If a description or name has been programmed, this description will be displayed.

Other descriptions which appear in the Operator (Numeric) Display:

- PE:** Displays if an error is detected in the printer.
- P:** Displays only when you are in the middle of a programming step. *
- Cr:** Displays when the [CHARGE] key is operated. *
- CH:** Displays when the [CHECK] key is operated. *
- CA:** Displays when the [AMT TEND/TOTAL] key is operated. *
- C:** Displays when change is due. *

* Also appears in the Customer Display.

CUSTOMER DISPLAY

To position the rear customer display, simply pull up and rotate for viewing from any direction. To close, simply turn the display to face the rear of the machine and press down.

BATTERY SYSTEM

BACK-UP BATTERY SYSTEM

IMPORTANT: The cash register must be plugged in before installing or replacing the back-up batteries.

The memory is protected by four "AA" batteries that come with the cash register. These batteries must be installed before programming the register. During cash register operations, all transaction data for the management report is stored in the register's memory. The memory also holds all the optional program information. The memory back-up system keeps this information stored in memory when the register is turned off. The back-up battery power system maintains programming in the event of a power failure or if the register is accidentally disconnected for up to approximately 700 hours if necessary.

Important: In order to assure continuous battery back-up protection, it is important that the batteries be changed a minimum of once every year.

INSTALLING OR REPLACING THE BACK-UP BATTERIES:

NOTE: Four "AA" batteries are required.

1. Make sure the register is plugged in and turn the key to the "OFF" position.
2. Open the journal compartment cover. Grip the left side of the journal cover and gently pull upward. Remove the journal cover and set aside.
3. Remove the battery cover, located to the rear left section of the compartment.
4. Position batteries making sure that the positive and negative poles are aligned correctly.
5. Replace the battery cover by sliding down into position.
6. Replace the journal compartment cover and use the Cash Drawer/Journal Lock key #515 to lock it, if desired.

EXTENDING THE USAGE OF THE BACK-UP BATTERIES

If the cash register will not be used for an extended period of time, you may want to remove the batteries to prolong their life.

IMPORTANT: All transaction data and programming will be erased.

INSTALLING THE PAPER ROLL

Your cash register features a heavy-duty printer which uses one roll of 57mm (2¼") standard calculator paper for a single tape record. The register will also accept standard 2-ply, 2¼" carbonless cash register paper, one for the customer receipt (outside) and the other for the journal record (inside). If a customer receipt is required, turn the Control Lock to the "REG1" mode. If a customer receipt is not required, turn the Control Lock to the journal mode, "REG2" position.

INSTALLING THE PAPER ROLL

1. Plug in your cash register and set the Control Lock in the Register mode (either "REG1" or "REG2").
2. Open the journal compartment cover, first be sure that the lock (located on the left side of the journal compartment cover) is unlocked using the Cash Drawer/Journal Lock Key #515. Grip the left side of the journal cover and gently pull upward. Remove the journal cover and set it to the side.
3. Cut the end of the paper roll evenly for a straight even edge for proper feeding through the printhead.
4. Place the paper roll in the little "nest" at the back of the compartment so that the paper feeds out from the bottom of the roll (see illustration).
5. Insert both ends (if using 2-ply paper) or the end of a single ply paper under the square plastic paper support (located behind the ribbon) into the metal paper slot (located directly under the ribbon - see illustration). Depress the Feed key until the paper catches and advances through the printer.
6. If the paper does not feed through the printer properly, inspect the end of the paper tape and repeat step 4 through 6.
7. Next, place the black plastic Journal Winder spindle on its grooves (the spindle rests above the paper roll). Advance the paper approximately 10-12 inches by using the Feed key and ease the journal (inside) paper through one of the narrow openings in the center of the spindle. Advance the paper using the Feed key until the journal paper begins to wind securely around the spindle.
8. Pass the customer (outside) paper through the receipt window of the journal compartment cover.
9. After installing the paper roll, replace the journal compartment cover and use the Cash Drawer/Journal Lock key #515 to lock it, if desired.

NOTE: It is recommended to use Royal brand 2¼" (57mm) "bond quality" paper which will help prevent dust deposits on the printer mechanism found when using inexpensive paper rolls. Replace with Royal brand carbonless 2-ply paper, Royal Reorder #013130 or standard bond quality calculator single ply paper, Royal Reorder #013129.

NOTE: Two-ply paper is affected by environmental factors such as temperature and humidity as well as by age. Paper stored in low temperature or moist areas may yield less than satisfactory results.

INSTALLING THE RIBBON

Your cash register comes with the ribbon already installed. The ribbon releases special ink to the printhead which produces the printout. After a period of time, depending upon the amount of use, the ink in the ribbon will be used up. When printout becomes faint, the ribbon needs to be replaced.

CAUTION: The ribbon is not designed to be re-inked. Under no circumstances should this be done or permanent damage to your cash register printer may result. Such damage will not be covered under Royal's warranty.

INSTALLING THE RIBBON

1. Open the journal compartment cover, first be sure that the lock (located on the left side of the cover) is unlocked using the Cash Drawer/Journal Lock key #515. Grip the left side of the journal cover and gently pull upward. Remove the cover and set it to the side.

The ribbon cartridge looks as follows (see illustration).

2. Remove the used ribbon cartridge: On the right side of the cartridge, press down where it is labeled "PUSH" in order to eject the ribbon from the printer. The left side of the ribbon will lift up and can be easily removed.
3. Remove the new ribbon cartridge from its cellophane package. Be careful not to touch the wet inked portion of the ribbon.
4. To install the new ribbon, holding the ribbon on both ends, first lower the left side of the ribbon and then the right side. Push gently on the right side to snap the ribbon into place (see illustration).
5. Make sure that the paper feeds up through the ribbon cartridge. The inked portion of the ribbon should be in front of the register paper.
6. After installing the ribbon, replace the journal compartment cover and use the Cash Drawer/Journal Lock key #515 to lock it, if desired.

NOTE: It is recommended to use Royal brand replacement ribbon (color-purple), Royal Reorder 013019.

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QUICK START

The Quick Start program is designed to help you quickly "get started" with the basics you need to run your cash register. It covers only very basic programming of the Decimal Point, Rounding, Date, Time, Tax Rate and Department Status for taxing or non-taxing. Follow the Quick Start straight through, however, skip any steps which are not required for your business needs. As you follow the Quick Start Program, the printed information on the receipt tapes may not correspond to the information you are programming. Once the Quick Start is completed, a program confirmation report can be taken to review your results. As you go through the Quick Start, if an error tone sounds, **PRESS** the **[CLEAR]** key and continue by repeating the step you are attempting to program.

NOTE: It is not necessary to repeat the entire Quick Start program if you wish to update or change a step at any time. Therefore, maintain your owner's manual in a safe place for all future programming.

When referring to the numeric keypad (round keys - the numbers 0 through 9), the numbers will be displayed in parenthesis. For example, press the number **(5)**.

When referring to the other operational keys, they will be shown in brackets. For example, press the **[AMT TEND/TOTAL]** key.

IMPORTANT: Read Unpacking Your Cash Register and Set Up (Page 1), Getting To Know Your Cash Register (Page 2), Control Lock System (Page 4), Keyboard Functions (Pages 5-7), Display Windows (Page 8), Installing the Battery System (Page 9) and Paper Roll (Page 10).

FOLLOW THE QUICK START ON THE NEXT PAGE.

QUICK START: ROYAL ALPHA 585cx

Please be aware: As you follow the Quick Start Program, the printed information on the receipt tapes may not correspond to the information you are programming. To verify your results, we suggest printing a Program Confirmation Report. See page 16 for details.

1. Insert the Program key (PRG, 427-023) in the Control Lock and turn to the "PRG" program position.

2. To set the **DECIMAL POINT** to two places - U.S. standard:
Using the gray numeric keys **PRESS (2)**, then **PRESS [-%/RA]**.

Important: In the "REG" (REGISTER) mode, it is not necessary to press the decimal point when ringing up a price.

3. To set the **ROUNDING** to the nearest whole number - U.S. standard:
Using the gray numeric keys **PRESS (50)**, then **PRESS [CHARGE]**.

4. To set the **DATE**, use month-day-year format. Example: For January 24, 2001:
Using the gray numeric keys **PRESS (012401)**, then **PRESS [#ST/NS]**.

5. To set the **CURRENT TIME**, use military time. Example: To set 10:15 A.M.:
Using the gray numeric keys **PRESS (1015)**, then **PRESS [QTY/DATE]**.

* Reminder: To convert to military time, add the number 12 to every hour after 12:00 noon. For example, to set 1:15 P.M. **PRESS (1315)**. Although the time is programmed using the 24 hour format, the time can print in the 12 hour format (see Flag 18, Page 39). time

6. To set a single fixed **TAX RATE**: If a mistake is made at any time while programming the sales tax, or you receive an error tone, press **CLEAR** and start over with Step A.

A. Using the gray numeric keys **PRESS (1)**, **PRESS [TAX 1]**.

B. **ENTER** the **TAX RATE** as a 4 digit number, then **PRESS [AMT TEND/TOTAL]**.

Example: If your state tax rate is 6%: Using the gray numeric keys **PRESS (6000)**, then **PRESS [AMT TEND/TOTAL]**.

Note: A tax rate of 6.5% will program as (6500). If you wish to program a second or third tax rate see Pages 24 and 25 for details.

(Quick Start is continued on the next page)

QUICK START

QUICK START: ROYAL ALPHA 585cx (Continued)

7. **DEPARTMENT PROGRAMMING:** Includes making Departments taxable or nontaxable and pre-set pricing and descriptions.

(Please note that the factory default setting of all departments is non-taxable)

a) To program a Department as taxable:

Using the gray numeric keys **PRESS (00001)**, **PRESS [SUBTOTAL/W/TAX]**, **ENTER** the **(PRICE*)**, **PRESS** a **[DEPARTMENT]** key, **ENTER** a **DEPARTMENT DESCRIPTION** using the alpha keyboard (Department keys) or the Alpha Numeric Code Chart if needed (see Page 42), **PRESS [CHECK]****. Repeat this step for each Department you wish to tax. Then **PRESS** the **[AMT TEND/TOTAL]** key.

b) To program a Department as non-taxable:

Using the gray numeric keys **PRESS (00000)**, **PRESS [SUBTOTAL/W/TAX]**, **ENTER** the **(PRICE*)**, **PRESS** a **[DEPARTMENT]** key, **ENTER** a **DEPARTMENT DESCRIPTION** using the alpha department keys, then **PRESS [CHECK]****. Repeat this step for each Department you wish to charge no tax. Then **PRESS** the **[AMT TEND/TOTAL]** key.

* Enter a pre-set price or "0" if no pre-set price is desired.

** If you do not wish to enter a description at this time, after pressing the **[DEPARTMENT]** key, **PRESS** the **[AMT TEND/TOTAL]** key. To program a description at a later time, refer to the procedure on Page 29.

PROGRAM CONFIRMATION REPORT

Now that Quick Start programming is complete, check your results by maintaining the key in the "PRG" mode: **PRESS (999999)**, then **PRESS** the **[AMT TEND/TOTAL]** key. After the Program Confirmation Report prints, press the feed key to advance the complete report out of the machine.

Your tape should look similar to the Program Confirmation Report shown below. Note: The Date, Time, Tax Rate and Department Status will reflect the information based upon your input. If an error is made during programming, repeat only the step in question. For example, if only the tax rate is incorrect, just re-program the tax - you do not need to re-set the time, date, etc. For more details of the symbols printed in the Program Confirmation Report see Page 49.

* YOUR RECEIPT *			
* THANK YOU *			STORE LOGO OR MESSAGE

DATE	09-17-2001	MC #:1234	MACHINE NUMBER
	FOOD	0.00T1	PRE-SET PRICE of zero in Dept. 1; Taxable 1 Status
		00001	DEPARTMENT STATUS - shows Tax Rate 1 programmed for Dept. 1
	BEVERAGES	1.99T2	PRE-SET PRICE of \$1.99 in Dept. 2; Taxable 2 Status
		00002T2	DEPARTMENT STATUS - shows Tax Rate 2 programmed for Dept. 2
	COFFEE	0.00	PRE-SET PRICE of zero in Dept. 3
		10001T1	DEPARTMENT STATUS - shows Tax Rate 1 and Gallonage
	PAPER GOODS	0.00	programmed for Dept. 3
		00000	
	DEPT 5	0.00	
		00000	
	DEPT 6	0.00	
		00000	
			ALL 30 DEPARTMENTS WILL ALWAYS PRINT
	DEPT 30	0.00	
		00000	
	COUPON	001-	COUPON STATUS (Tax Status set at "01")
		1.54T1	TAX 1 RATE (fixed rate programmed)
		50.00T1	
		1.04T2	TAX 2 RATE (fixed rate programmed)
		60.00T2	
		0.00T3	TAX 3 RATE (not programmed)
		0.00T4	TAX 4 RATE (not programmed)
	DISCOUNT	10.00%-	PERCENT DISCOUNT (set at 10%)
	ADD ON	0.00%+	PLUS PERCENTAGE (not programmed)
	CHARGE	50	ROUNDING STATUS (set at 50)
	CHARGE	1 05	} Scroll Message Details
	CHARGE	2 05	
	CHARGE	3 10	
	CHARGE	4 20	
	CHARGE	5 05	
	CHARGE	6 00	
	CHARGE	7 02	
	61 CLOSED, NEXT REGISTER		} Scroll Messages
	PLEASE		
	62 PLEASE WAIT		
	63 PLEASE TAKE YOUR		
	RECEIPT		
	64 GOOD MORNING		
	65 GOOD AFTERNOON		
FLAG OPTION STATUS (a total of 31 flag options will print at either "0" or "1", depending upon the program setting)	VOID/CORR	0000000000	FLAG NUMBERS read from left to right
		0000100100	
	VOID/CORR	0000001101	
		0	

TIME	PM 2-44	0003	TRANSACTION NUMBER

(Continue to the next page)

BEFORE GOING TO THE REGISTER MODE

Your Royal cash register offers many additional features not covered in the Quick Start programming. Please note that all programming options are covered in the Advanced Programming section of this manual, even those singled out for use in the Quick Start. Please review a few of the additional programming options available on this register described below which you may choose to add to your basic Quick Start set up. For quick reference, the page numbers are noted by each feature presented:

PROGRAMMING STORE LOGO, DEPARTMENT, PLU and CLERK DESCRIPTIONS: Program your own store name, phone number and commercial message to print on your customers' receipts. Each department and PLU can have a 12 character description (see Pages 41-45).

TRAINING MODE (Page 37): Designed to help you get acquainted with the register mode and allows a place for practicing transaction examples without affecting machine totals. Since the Training Mode does not record any transactions performed while in the register mode, it is ideal for beginners. Once activated, no activity can be performed in the "PRG", "X" or "Z" modes unless you exit the training mode.

TRANSACTION EXAMPLES (Pages 51-67): Simple transaction examples are provided for use in the register mode. This section will cover a cash sale, check sale, charge sale, tendering change, multiple items, PLU sale, split tendering, voiding, as well as other frequently used functions. Be sure to have the key in the "REG1" or "REG2" (register) mode when following the transaction examples. **Suggestion: Practice the transaction examples after activating the Training Mode described above.**

CLERK NUMBERS (Page 19): Clerk numbers can be used to monitor sales of 15 individual employees. Each clerk can be programmed with a 24 character description.

MANAGER PASSWORDS (Page 21): A password can be assigned for the "PRG" and "Z" modes; and a different password can be assigned for the "X" mode.

FLAG OPTIONS (Pages 38-40): A total of 31 system programming options are offered on this cash register. They are preset by the factory to accommodate many of the most commonly used selections. These options can be changed to meet your individual needs.

ADVANCED PROGRAMMING

The options provided by the Advanced Programming are designed to let you customize your cash register operations, sales entry printouts, and management reports to meet your individual business requirements. The Advanced Programming can be used to further add options not covered by the Quick Start Program. Skip any or all sections which are not required in setting up your cash register. Note: During the programming, if an error tone sounds, **PRESS** the **[CLEAR]** key then continue by repeating the step you are attempting to program.

Note: It is not necessary to reprogram all options when you wish to update or change a step at any time. Therefore, maintain your owner's manual in a safe place for all future programming.

The programming of the cash register consists of the following features:

Clerks Numbers	Minus Percentage Discount (-%/RA)
2 Manager Passwords	Plus Percentage (+%/PO)
Date	Price Look-Up (PLU)
Time Clock	Training Mode
Machine Number	Grand Total Preset
Decimal Point	Transaction Number Preset
Rounding	Z1 and Z2 Counter Preset
4 Tax Rates	Flag Options
Department Status	Programming Confirmation Report
Department Programming	PLU Confirmation Report
Coupon Discount (CPN)	Management Reports (X/Z)

Note: The letter "P" is often displayed during programming procedures.

Once programming is completed, there are two Confirmation Reports available to check your results. A programming Confirmation Report lists all options that are programmed and a Program PLU Confirmation Report lists all the PLUs which are programmed.

Two Manager Passwords are available as an added measure; one password accesses only the "PRG" (PROGRAM) and "Z" modes and the second accesses only the "X" mode. The Manager Password resets every time it is used, therefore once a password has been programmed, it must be entered every time you access the program mode or before every "X" or "Z" reading is taken.

TO PROGRAM THE "X" MANAGER PASSWORD

CAUTION: Please write your passwords down in a safe place. If the passwords are forgotten, a FULL SYSTEM CLEAR procedure will be necessary. A Full System Clear will erase all transaction data and programming. For details on the Full System Clear see Page 78.

"PRG" + (222222) + [AMT TEND/TOTAL] + (MANAGER PASSWORD #) + [NON TAX]
4 digit #

Example: If the "X" password is 1212:

1. Turn the key to the "PRG" (PROGRAM) position.
2. PRESS (222222), then PRESS the [AMT TEND/TOTAL] key. The "X PASS" prompt and the letter "P" will display until Step 3 is completed.
3. PRESS (1212), then PRESS the [NON TAX] key.

TO PROGRAM THE PRG/Z MANAGER PASSWORD

CAUTION: Please write your passwords down in a safe place. If the passwords are forgotten, a FULL SYSTEM CLEAR procedure will be necessary. A Full System Clear will erase all transaction data and programming. For details on the Full System Clear see Page 78.

"PRG" + (111111) + [AMT TEND/TOTAL] + (MANAGER PASSWORD #) + [NON TAX]
4 digit #

Example: If the PRG/Z password is 1313:

1. Turn the key to the "PRG" (PROGRAM) position.
2. PRESS (111111), then PRESS the [AMT TEND/TOTAL] key. The "PRG/Z PASS" prompt and the letter "P" will display until Step 3 is completed.
3. PRESS (1313), then PRESS the [NON TAX] key.

NOTE: If the Manager Password is programmed as (0000), the machine will not acknowledge this password.

TO USE THE MANAGER PASSWORDS

"PRG" or "X" or "Z" + (MANAGER PASSWORD #) + [CHECK]
4 digit #

A. Example: Access the "X" mode, the Manager Password is 1212:

1. Turn the key to the "X" mode.
2. PRESS (1212), then PRESS the [CHECK] key.
3. You are now ready to take an "X" Report.

B. Example: Access the PRG/Z modes, the Manager Password is 1313:

1. Turn the key to the "PRG" (PROGRAM) or "Z" mode as needed.
2. PRESS (1313), then PRESS the [CHECK] key.
3. You are now ready to program or take any reports based on your selection in Step 1.

Note: When entering the passwords they will appear as asterisks (****) on the displays for extra security.

DATE/TIME/MACHINE NUMBER

The DATE is designed to roll over automatically every day and prints in the month-day-year format. Extra Option: If desired,

a procedure is offered to eliminate the date from printing on the transaction receipts, for details see Flag 8, Option 1, on Page 38. The date format can also be changed to print day-month-year (see Flag 4, Page 38.)

TO PROGRAM THE DATE

"PRG" + (MONTH-DAY-YEAR) + [# /ST/NS]
6 digit #

Example: To program January 24, 2001:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (012401), then PRESS the [# /ST/NS] key.

The TIME is designed to use military time. REMINDER: To convert to military time, add the number 12 to every hour. Example: 1:15 P.M. will program as (1315). Extra Option: If desired, a procedure is offered to eliminate the time from printing on transaction receipts, for details see Flag 9, Option 1, on Page 38.

TO PROGRAM THE TIME

The time can print in either the 12 or 24 hour format. The default setting is to print in the 12 hour mode which is the preferred U.S. setting. To change to the 24 hour format, see Flag 18 on Page 39.

"PRG" + (HOUR, MINUTES) + [QTY/DATE]
4 digit #

Example: To program 10:15 A.M.:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1015), then PRESS the [QTY/DATE] key.

The MACHINE NUMBER is designed to assign each cash register its own identifying number. The Machine Number prints on all receipts/journal records, and management reports.

TO PROGRAM THE MACHINE NUMBER

"PRG" + (MACHINE #) + [+%/PO]
4 digit #

Example: Program the cash register number to be 1234:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1234), then PRESS the [+%/PO] key.

Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

DECIMAL POINT/ROUNDING

The DECIMAL POINT is set by selecting from the following 4 options:

	<u>Number</u>	=	<u>Selection</u>
(zero decimal point)	0	=	\$ X
(one decimal point)	1	=	\$ X.X
(two decimal point)	2	=	\$ X.XX (U.S. Standard)
(three decimal point)	3	=	\$ X.XXX

TO PROGRAM THE DECIMAL POINT

"PRG" + (DECIMAL POINT #) + [-%/RA]
1 digit #

Example: Program the Decimal Point for Option \$X.XX (two decimal places, normally used in the United States):

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (2), then PRESS the [-%/RA] key.

Important: In the REGISTER modes ("REG1" and "REG2") it is not necessary to press the decimal point when ringing up a price. An error tone will sound if used.

ROUNDING is used to round off figures to the nearest whole numbers. Choose from the following 3 options to select the rounding as needed:

<u>Number</u>	=	<u>Selection</u>
00	=	Rounds Numbers from .1 - .4 to 0
50	=	Rounds Numbers from .5 - .9 to 1 (U.S. Standard)
99	=	Rounds Numbers from .1 - .9 to 1

"PRG" + (ROUNDING #) + [CHARGE]
2 digit #

Example: Program Rounding to 50 (normally used in the United States):

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (50), then PRESS the [CHARGE] key.

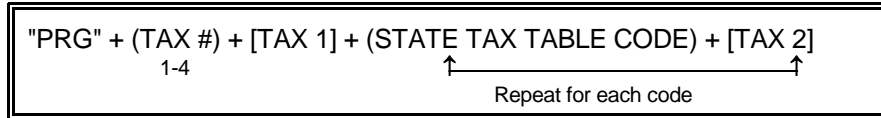
Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

TAX RATE (Continued)

ADD-ON TAX TABLE RATE (an alternative to using the Fixed Rate Procedure)

Refer to Appendix I to locate the tax table codes listed for your particular state. If your state's tax rate is not listed in Appendix I, refer to Appendix II for instructions on calculating your own state's tax table codes.

TO PROGRAM A SINGLE TAX TABLE RATE

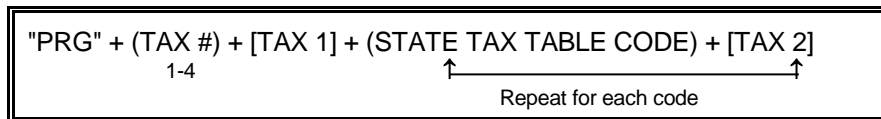


Example: The tax code for Arizona's tax rate of 4% is: 121-240096-13-19-23-27-27-1029-25-25-25-1025. To program:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, ENTER the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1), then PRESS the [TAX 1] key.
4. PRESS (121), then PRESS the [TAX 2] key.
5. PRESS (240096), then PRESS the [TAX 2] key.
6. Continue typing the State Tax Table Codes mentioned and PRESS the [TAX 2] key after each code until finished.

Note: If a mistake occurs during programming the State Tax Table Codes, PRESS the [CLEAR] key and begin again with Step 3.

TO PROGRAM A SECOND TAX TABLE RATE



Example: The tax code for Arizona's tax rate of 5% is: 101-190095-11-17-20-21-1021-20-20-20-1020. To program:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, ENTER the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (2), then PRESS the [TAX 1] key.
4. PRESS (101), then PRESS the [TAX 2] key.
5. PRESS (190095), then PRESS the [TAX 2] key.
6. Continue typing the State Tax Table Codes mentioned and PRESS the [TAX 2] key after each code until finished.

Note: If a mistake occurs during programming the State Tax Table Codes, PRESS the [CLEAR] key and begin again with Step 3.

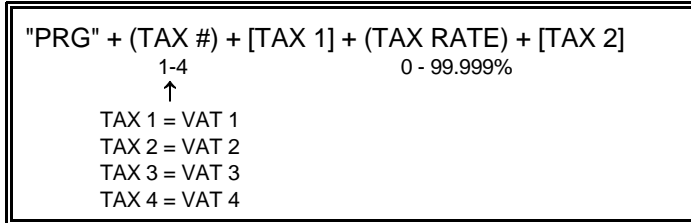
Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

VAT TAX RATE (commonly used in Europe)

FLAG 13 MUST FIRST BE PROGRAMMED AS FOLLOWS:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (13)(2), then PRESS the [VOID] key.

PROGRAMMING THE VAT TAX RATE:



Example: 10% Tax Programming.

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, ENTER the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1), PRESS the [TAX 1] key, PRESS (10000), then PRESS the [TAX 2] key.

TO PROGRAM A SECOND VAT TAX RATE:

Example: 5%

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, ENTER the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (2), PRESS the [TAX 1] key, PRESS (5000), then PRESS the [TAX 2] key.

DEPARTMENT PROGRAMMING(Continued)

4. **THE TAX STATUS** is used to link no tax, a single tax rate [Tax 1] or multiple tax rates (Tax 2, 3 or 4) to a department key.

<u>Tax Status Number</u>		<u>Condition</u>
00	=	Non-Taxable (used when you do not wish to charge tax)
01	=	Taxable by TAX 1 Rate
02	=	Taxable by TAX 2 Rate
03	=	Taxable by TAX 3 Rate
04	=	Taxable by TAX 4 Rate
05	=	Taxable by TAX 1 and TAX 2 Rates
06	=	Taxable by TAX 1 and TAX 3 Rates
07	=	Taxable by TAX 1 and TAX 4 Rates
08	=	Taxable by TAX 2 and TAX 3 Rates
09	=	Taxable by TAX 2 and TAX 4 Rates
10	=	Taxable by TAX 3 and TAX 4 Rates
11	=	Taxable by TAX 1, TAX 2 and TAX 3 Rates
12	=	Taxable by TAX 1, TAX 2 and TAX 4 Rates
13	=	Taxable by TAX 1, TAX 3 and TAX 4 Rates
14	=	Taxable by TAX 2, TAX 3 and TAX 4 Rates
15	=	Taxable by TAX 1, TAX 2, TAX 3 and TAX 4 Rates

5. **DEPARTMENT PRESET PRICE:** Note: If you do not wish to preset a price, a price of "0" must be assigned to that department key. Department Preset Price is used to program a price in a department to save time when ringing up an entry. The price will automatically ring up each time the appropriate [DEPARTMENT] key is pressed.
6. **DEPARTMENT NAME:** A name or description can be assigned to each department key. This name will display and print when ringing up sales. For example, "Clothing" will print on the receipt in place of "Dept 1"; "Shoes" in place of "Dept 2"; "Sportswear" in place of "Department 3", etc.

(Department Programming continues on the next page)

DEPARTMENT PROGRAMMING(Continued)

ADDITIONAL CREDIT KEYS

Two departments (19 and 20) can be dedicated to be used for tracking multiple credit card sales. Flag Option #16 (Page 39) must be set to Option Number 1, 2, or 3 in order to use this feature. Please Note: When changing Departments 19 and 20 to be dedicated credit card keys, they no longer function as department keys until Flag #16 is reset back to option "0".

TO PROGRAM A CREDIT KEY

STEP 1:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1)(6)(1), then PRESS the [VOID] key to make Department 20 CREDIT 1. PRESS (1)(6)(2), then PRESS the [VOID] key to make Department 19 CREDIT 2. PRESS (1)(6)(3), then PRESS the [VOID] key to make Department 20 CREDIT 1 and Department 19 CREDIT 2.

Note: The default description will display and print as CREDIT 1 and CREDIT 2. If you would like to assign a different name to each credit key (i.e., MASTERCARD, VISA, AMEX, etc.) proceed with Step 2.

STEP 2:

1. PRESS (5)(1) for Department 20 or (5)(2) for Department 19, then PRESS [RETURN].
2. Input the (Name of the Credit Card) using the alpha characters on the department keys, then PRESS [CHECK].

"PRG" + (CREDIT KEY #) + [RETURN] + (CREDIT CARD NAME) + [CHECK] 51 or 52 (Use Alpha Keys 12 Characters Max)

Example: Program Department 20 for a VISA card:

"PRG" + (5)(1) + [RETURN] + (V)(I)(S)(A) + [CHECK] (Use Alpha Keys 12 Chrs Max)
--

The "Z" report will display the accumulated credit card totals.

EXAMPLE OF RECEIPT: Using the credit key now programmed with the description "VISA":

Press [DEPT 1] —	09-29-2001 MC #:0000
Press [DEPT 1] —	DEPT 1 *1.00T1
	DEPT 1 *1.00T1
	*0.12T1

Press [DEPT 20] —	TOTAL *2.12
	VISA *2.12
	AM11-57 0010

COUPON DISCOUNT (CPN)

The Coupon Discount (CPN) key is used to subtract a specific amount from an individual item. This function can be performed in the middle of a transaction or by itself in a transaction.

The programming of the Coupon Discount [CPN] key consists of two steps; selecting a High Digit Lock Out (HDLO) number and Tax Status.

"PRG" + (HDLO #) + [TAX STATUS #] + [CPN] 1 digit # 2 digit #

1. **The HIGH DIGIT LOCK OUT (HDLO)** number is used to limit the number of digits that can be rung up in a coupon discount. This function is helpful in safeguarding against accidentally subtracting a large amount. If an excess number of digits is entered, an error tone sounds and the keypad locks up. For example: To limit ringing up of more than \$99.99 on the Coupon Discount key, set the HDLO to 4.

<u>Number</u>	<u>Dollar Range</u>
0	= \$.01 - \$99,999.99 (Standard Setting)
1	= .01 - .09
2	= .01 - .99
3	= .01 - 9.99
4	= .01 - 99.99
5	= .01 - 999.99
6	= .01 - 9,999.99

2. **The TAX STATUS** is primarily used to determine where you want the tax rate to be charged when using the Coupon Discount key. The options are:
 - a. To charge tax on the original amount of an item (the amount before the coupon is deducted).
 - b. To charge tax on the discounted amount of an item (the amount after the coupon discount is deducted).

The following Tax Status numbers are used to link the Tax Status to the Coupon Discount [CPN] key. Note: If you have no tax rate programmed in the cash register, simply choose "00" on the Tax Status Number listed below:

<u>Tax Status Number</u>	<u>Conditions</u>
00 = Non-Taxable	a. Used if no tax is programmed in the cash register; or b. Used if you want to charge tax on the original amount of an item (the amount before the coupon is deducted).
01 = Taxable by TAX 1	Used to charge the TAX 1 rate on the discounted amount of an item (the amount after the coupon is deducted).
02 = Taxable by TAX 2	Used to charge the TAX 2 rate on the discounted amount of an item (the amount after the coupon is deducted).
03 = Taxable by TAX 3	Used to charge TAX 3 rate on the discounted amount of an item (the amount after the coupon is deducted).

(The Coupon Discount programming continues on the next page)

COUPON DISCOUNT (CPN) (continued)

TAX STATUS (Continued)

<u>Tax Status Number</u>	<u>Conditions</u>
04 = Taxable by TAX 4	Used to charge TAX 4 rate on the discounted amount of an item (the amount after the coupon is deducted).
05 = Taxable by TAX 1 and TAX 2	Used to charge TAX 1 and TAX 2 rates on the discounted amount of an item (the amount after the coupon is deducted).
06 = Taxable by TAX 1 and TAX 3	Used to charge TAX 1 and TAX 3 rates on the discounted amount of an item (the amount after the coupon is deducted).
07 = Taxable by TAX 1 and TAX 4	Used to charge TAX 1 and TAX 4 rates on the discounted amount of an item (the amount after the coupon is deducted).
08 = Taxable by TAX 2 and TAX 3	Used to charge TAX 2 and TAX 3 rates on the discounted amount of an item (the amount after the coupon is deducted).
09 = Taxable by TAX 2 and TAX 4	Used to charge TAX 2 and TAX 4 rates on the discounted amount of an item (the amount after the coupon is deducted).
10 = Taxable by TAX 3 and TAX 4	Used to charge TAX 3 and TAX 4 rates on the discounted amount of an item (the amount after the coupon is deducted).
11 = Taxable by TAX 1, TAX 2 and TAX 3 discounted amount of an item (the amount after the coupon is deducted).	Used to charge TAX 1, TAX 2 and TAX 3 rates on the TAX of an item (the amount after the coupon is deducted).
12 = Taxable by TAX 1, TAX 2 and TAX 4	Used to charge TAX 1, TAX 2 and TAX 4 rates on the discounted amount of an item (the amount after the coupon is deducted).
13 = Taxable by TAX 1, TAX 3 and TAX 4 discounted amount of an item (the amount after the coupon is deducted).	Used to charge TAX 1, TAX 3 and TAX 4 rates on the discounted amount of an item (the amount after the coupon is deducted).
14 = Taxable by TAX 2, TAX 3 and TAX 4	Used to charge TAX 2, TAX 3 and TAX 4 rates on the discounted amount of an item (the amount after the coupon is deducted).
15 = Taxable by TAX 1, TAX 2, TAX 3 and TAX 4 the	Used to charge TAX 1, TAX 2, TAX 3 and TAX 4 rates on discounted amount of an item (amount after coupon is deducted).

(The Coupon Discount programming continues on the next page)

COUPON DISCOUNT (CPN) (Continued)

TO PROGRAM THE COUPON [CPN] KEY

"PRG" + (HDLO #) + [TAX STATUS #] + [CPN] 1 digit # 2 digit #

The following two examples list the most commonly used options in programming the Coupon Discount [CPN] key.

VERSION 1: Select if no tax is programmed in the cash register or if you want to charge the tax rate on the original amount of an item (the amount before the coupon is deducted).

Example: If HDLO is selected for "0", and the Tax Status Number is selected for "0" (non-taxable):

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (0)(00), then PRESS the [CPN] key.

Note: See Transaction Example 19 on Page 58 to ring up a coupon sale programmed with Version 1.

VERSION 2: Select if you want the tax rate to be charged on the discounted amount of an item (the amount after the coupon is deducted).

Example: If HDLO is selected for "0", and the Tax Status is selected for "1" (taxable by TAX 1):

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (0)(01), then PRESS the [CPN] key.

Note: See Transaction Example 19 on Page 58 to ring up a coupon sale programmed with Version 2.

Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

MINUS PERCENTAGE DISCOUNT

Minus Percentage Discount [-%/RA] is used to subtract a percentage rate such as an employee discount from an individual item. The rate can be pre-programmed or manually entered.

Extra Option: If desired, a procedure is offered so that the Minus Percentage Discount amount is not subtracted from the department totals on the Management Reports, for details see Flag 23, Option 1, Page 39.

The programming of the Minus Percentage Discount key consists of pre-setting the Minus Percentage Discount rate (if desired).

TO PROGRAM A MINUS PERCENTAGE DISCOUNT [-%/RA]

"PRG" + (MINUS PERCENTAGE DISCOUNT RATE #) + (0) + [-%/RA] 4 digit #

Example: Program the Percentage Discount rate of 10%.

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1000), PRESS (0), then PRESS the [-%/RA] key.

Note: See Transaction Example 20 on Page 59 to ring up a Minus Percentage Discount sale.

Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

PLUS PERCENTAGE/ADD ON

Plus Percentage [+%/PO] is used to add a percentage rate such as a service charge or gratuity to an individual item. The rate can be pre-programmed or manually entered. When using the Plus Percentage/Add-On key, the words "add-on" appear on the display and print on the top.

Extra Option: If desired, a procedure is offered so that the Plus Percentage amount is not added to the department totals on the Management Reports, for details see Flag 23, Option 1, Page 39.

The programming of the Plus Percentage [+%/PO] key consists of presetting the Plus Percentage Rate.

TO PROGRAM A PLUS PERCENTAGE RATE (+%/PO)

"PRG" + (PLUS PERCENTAGE RATE #)+ (0) + [+%/PO] 4 digit #
--

Example: Program the Plus Percentage rate of 10%.

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (1000), PRESS (0), then PRESS the [+%/PO] key.

Note: See Transaction Example 21 on Page 60 to ring up a Plus Percentage sale.

Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

PRICE LOOK-UP (PLU)

A total of 499 Price Look Up codes (PLUs) are available on this cash register. Each PLU can be programmed with a 12 character description that will both appear on the display and print on the tape. The

Price-Look Up system allows for fast, accurate entry of an item and automatically records the number of items sold.

The first step in programming PLUs is to assign a PLU number between 1 and 499 to each sales item. Second, the PLU Number must then be linked to a Department key which has the appropriate Tax Status needed for that PLU. For example, if PLU #1 is required to charge tax, then link it to a Department key which is set up for tax. Whereas, if PLU #2 is not required to charge tax, then link it to a Department key which is programmed for no tax. Lastly, a description can be programmed to identify each PLU.

TO PROGRAM PLUs

"PRG" + [QTY/DATE] + (PLU #) + [PLU] + (PRICE) + [DEPARTMENT] + (DESCRIPTION) + [CHECK] + [QTY/DATE]			
1-499	7 digits	1-30	12 Characters
	(Maximum)		(Maximum)

* NOTE: If you are programming PLUs using consecutive numbers (starting at 1, 2, 3, etc.), it is not necessary to enter the PLU number each time - simply enter the price and the department you are linking the PLU to. The register display automatically prompts you with the next PLU number.

Example: Set PLU #1 with a \$2.99 price, linked to Department 1; description of apple

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS the [QTY/DATE] key to begin programming the PLUs. (PLU price appears on display)
4. PRESS (1), then PRESS the [PLU] key.
5. PRESS (299), then PRESS the [DEPARTMENT 1] key. (PLU name appears on display)
Important: It is not necessary to press the decimal point when entering a price.
6. Input the characters (A)(P)(P)(L)(E) using the alpha keyboard [Department keys] or the Alphanumeric Code Chart, if needed (see Page 42). Remember the Department Shift key accesses the letters in the lower green section on the Department keys.
7. PRESS the [CHECK] key.
8. Repeat Steps 4, 5 and 6 to program other PLUs.
9. PRESS the [QTY/DATE] key to end programming of PLUs.

Confirmation Report: To check your results, a PLU Confirmation Report is available. For details see Page 49.

TRAINING MODE

The optional Training Mode is designed to help you become better acquainted with the register mode and offers an ideal place for "beginners" and new employees to practice transaction examples. Once the Training Mode is activated, there is no access to any operations in the "PRG", "X", or "Z" modes. Also note, the transaction numbers do not count up in the Register Mode until you exit the Training Mode. The Training Mode can be activated at any time since it does not record any activity in the machine totals.

TO TURN ON THE TRAINING MODE

"PRG" + (666666) + [AMT TEND/TOTAL]

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z manager password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z manager password, go to Step 3.
3. PRESS (666666), then PRESS the [AMT TEND/TOTAL] key.
4. Turn the key to the "REG" (REGISTER) position to resume normal register operations.

NOTE: The Training Mode indicator light (a small decimal point) will be displayed in the first digit of the display.

TO SHUT OFF THE TRAINING MODE

"PRG" + (555555) + [AMT TEND/TOTAL]

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z manager password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z manager password, go to Step 3.
3. PRESS (555555), then PRESS the [AMT TEND/TOTAL] key.
4. Turn the key to the position desired.

FLAG OPTIONS

A total of 31 System Programming Options (known as FLAGS) are offered on this cash register. They are

preset by the factory to accommodate the most commonly used selections. Each Flag Option can be changed or updated at any time as needed. Note: All Flags have been factory preset at "0", except for Flags 15, 18, 27, 28, and 30 which have a default setting of "1". They only need to be programmed if you wish to change any option from "0" to "1".

The options are as follows: **"0" = Represents the option preset by the factory.**
 "1" = Represents an alternative option.

FLAG NUMBER	OPTION NUMBER
1	0 = The Grand Total does not reset after a "Z" Reading. 1 = The Grand Total resets after a "Z" Reading.
2	0 = Subtotal will print on sales receipts when [#ST/NS] key is depressed. 1 = Subtotal will not print on sales receipts when [#ST/NS] key is depressed.
3	0 = Tendering of change is not required. 1 = Tendering of change is required.
4	0 = The Date will print as Month-Day-Year. 1 = The Date will print as Day-Month-Year.
5	0 = "Z1" and "Z2" Counter Numbers will not reset after a "Z1" or "Z2" Reading. 1 = "Z1" and "Z2" Counter Numbers will reset after a "Z1" or "Z2" Reading.
6	0 = Tax Rate Amount will print on sales receipts. 1 = Tax Rate Amount will not print on sales receipts.
7	0 = Skips amounts equaling zero on financial reports. 1 = Does not skip amounts equaling zero on financial reports.
8	0 = The Date will print on sales receipts and management reports. 1 = The Date will not print on sales receipts and management reports.
9	0 = The Time will print on sales receipts and management reports. 1 = The Time will not print on sales receipts and management reports.
10	0 = The Consecutive Number will print on the receipt. 1 = The Consecutive Number will not print on the receipt.
11	0 = The Clerk Name will print on sales receipts. 1 = The Clerk Name will not print on sales receipts.
12	0 = Clerk System inactive. 1 = Clerk System active.
13	0 = USA Tax System. 1 = Canadian Tax System. 2 = VAT Tax System.
14	0 = "Z1/Z2" Counter will print. 1 = "Z1/Z2" Counter will not print.
15	0 = Tax amount will print after the sales total on the sales receipt. 1 = Tax amount will print before the subtotal amount on the sales receipt.

(Flag Options are continued on the next page)

FLAG OPTIONS (Continued)

FLAG NUMBER	OPTION NUMBER																																				
16	0 = Standard Department key Layout. 1 = Department 20 will be the Credit 1 key. 2 = Department 19 will be the Credit 2 key. 3 = Department 20 will be the Credit 1 and Department 19 as Credit 2.																																				
17	0 = Setting non-taxable limit without GST tax for Canadian Tax Mode. 1 = Setting non-taxable limit with GST tax for Canadian Tax Mode.																																				
18	0 = Time will display and print in 24 hour mode. 1 = Time will display and print in 12 hour (am/pm) mode.																																				
19 See * Note	0 = Language selection - English 1 = Language selection - Spanish 2 = Language selection - French 3 = Language selection - German																																				
20	0 = A Clerk Number is not required before each transaction. 1 = A Clerk Number is required before each transaction.																																				
21	0 = Do not select the Canadian Tax System of tax on tax. 1 = Select the Canadian Tax System of tax on tax.																																				
22 (Pertains only to the Canadian Tax System)	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%; text-align: center;">Do not include GST in PST1</th> <th style="width: 30%; text-align: center;">Do not include GST in PST2</th> <th style="width: 30%; text-align: center;">Do not include GST in PST3</th> </tr> </thead> <tbody> <tr> <td>0 =</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> </tr> <tr> <td>1 =</td> <td style="text-align: center;">o</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> </tr> <tr> <td>2 =</td> <td style="text-align: center;">x</td> <td style="text-align: center;">o</td> <td style="text-align: center;">x</td> </tr> <tr> <td>3 =</td> <td style="text-align: center;">o</td> <td style="text-align: center;">o</td> <td style="text-align: center;">x</td> </tr> <tr> <td>4 =</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> <td style="text-align: center;">o</td> </tr> <tr> <td>5 =</td> <td style="text-align: center;">o</td> <td style="text-align: center;">x</td> <td style="text-align: center;">o</td> </tr> <tr> <td>6 =</td> <td style="text-align: center;">x</td> <td style="text-align: center;">o</td> <td style="text-align: center;">o</td> </tr> <tr> <td>7 =</td> <td style="text-align: center;">o</td> <td style="text-align: center;">o</td> <td style="text-align: center;">o</td> </tr> </tbody> </table> <p style="text-align: center;">x = No (include) o = Yes (do not include)</p> <p>Note: This flag setting is effective only when Flag 21 is set for Option 1.</p>		Do not include GST in PST1	Do not include GST in PST2	Do not include GST in PST3	0 =	x	x	x	1 =	o	x	x	2 =	x	o	x	3 =	o	o	x	4 =	x	x	o	5 =	o	x	o	6 =	x	o	o	7 =	o	o	o
	Do not include GST in PST1	Do not include GST in PST2	Do not include GST in PST3																																		
0 =	x	x	x																																		
1 =	o	x	x																																		
2 =	x	o	x																																		
3 =	o	o	x																																		
4 =	x	x	o																																		
5 =	o	x	o																																		
6 =	x	o	o																																		
7 =	o	o	o																																		
23	0 = -% is subtracted and +% is added to department totals on "X/Z" Readings. 1 = -% is not subtracted and +% is not added to department totals on "X/Z" Readings.																																				
24	0 = TAX amounts will print separately on sales receipts. 1 = TAX amounts will print as one figure on sales receipts. (The letters "TX" will print to denote the total of tax).																																				
25	0 = Duplicate "Z" Report will print. 1 = Duplicate "Z" Report will not print.																																				
26	0 = Consecutive # will reset after "Z1" Report. 1 = Consecutive # will not reset after "Z1" Report.																																				

* Note: If the language is changed after the alpha programming has been done the descriptions such as logo, department and plu names will revert to their default descriptions and will require reprogramming. The numeric amounts programmed will not be changed.

(Flag Options are continued on the next page)

FLAG OPTIONS(Continued)

FLAG NUMBER	OPTION NUMBER
27	0 = "0" price registration will be allowed. 1 = "0" price registration will not be allowed.
28 (For Europe Only)	0 = Euro convert function will be allowed. 1 = Euro convert function will not be allowed.
29	0 = Tax rate will not print on financial report in VAT mode. 1 = Tax rate will print on financial report in VAT mode.
30 (For Europe Only)	0 = Print converted total at convert tender. 1 = Print converted total always tender.
31 (For Europe Only)	0 = Local base currency. 1 = Euro base currency.

Note: Flags 28, 30 and 31 do not apply to the U.S. market.

TO PROGRAM FLAG OPTIONS

"PRG" + (FLAG #) + (OPTION #) + [VOID]
1 digit #

Example: Select Option 1 for Flag 3 (Tendering of change is required):

1. **Turn the key to the "PRG" (PROGRAM) position.**
2. If a PRG/Z Manager Password has been programmed, **TYPE** the **(PASSWORD #)**, then **PRESS** the **[CHECK]** key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. **PRESS (3)(1)**, then **PRESS** the **[VOID]** key. Flag #3 has now been set with Option 1.

Note: After the Full System Clear, all options revert to the default setting of "0" (except Flags 15, 18, 27, 28, and 30 which will revert to default setting of "1").

Confirmation Report: To check your results, a Program Confirmation Report is available. For details see Page 49.

PROGRAMMING ALPHANUMERIC DESCRIPTIONS

General Information: When programming the alpha descriptions for Departments, PLUs, Clerks, the Store Name/Logo Message, and the Scrolling Messages, it is recommended to use the Alpha Keyboard (shown below). The department keys are clearly labeled with all the letters needed to program these descriptions. So, when you are programming alpha descriptions, simply use the department keys to spell out the words you require. Please note that the letters in the lower green section of the keys are accessed by first pressing the [DEPT SHIFT] key. You may require certain symbols or lower case characters that are not found on the Alpha Keyboard. For example, if you require a space between words, or if you require the "/" symbol, or "-", you will need to refer to the Alphanumeric Code Chart shown on the next page.

PLEASE NOTE: Only capital letters of the alphabet are on the Alpha Keyboard. For all other characters and symbols use the gray numeric keys.

ALPHA KEYBOARD

(Programming Alphanumeric Descriptions are continued on the next page)

PROGRAMMING ALPHANUMERIC DESCRIPTIONS(Continued)

ALPHANUMERIC CODE CHART

Character	Code Number	Character	Code Number
Space	00	@	40
Wide Character	01	/	67
a	02	:	68
b	03	#	69
c	04	&	70
d	05	%	71
e	06	\$	72
f	07	, (comma)	73
g	08	(74
h	09)	75
i	10	*	76
j	11	+	77
k	12	-	78
l	13	.	79
m	14	; (semi-colon)	87
n	15	>	88
o	16	' (apostrophe)	89
p	17	"	90
q	18	<	91
r	19	=	92
s	20		
t	21		
u	22		
v	23		
w	24		
x	25		
y	26		
z	27		
?	28		
!	29		
0	30		
1	31		
2	32		
3	33		
4	34		
5	35		
6	36		
7	37		
8	38		
9	39		
		Special Language Characters	
		ı	80
		ç	81
		á	82
		é	83
		í	84
		ó	85
		ú	86
		Ä	93
		Û	94
		Ö	95
		İ	96
		ü	97
		Ñ	98
		ñ	99

Locate the character or symbol that you need, and note the 2 digit code number. For example, if you require a space, the code number for a space is "00", the number 1 is the code 31 and the ":" (colon) is code 68.

(Programming Alphanumeric Descriptions are continued on the next page)

PROGRAMMING ALPHANUMERIC DESCRIPTIONS (Continued)

The following outlines the maximum number of characters that can be programmed for each item description.

DEPARTMENT	-	12 Characters *
PLU	-	12 Characters *
CLERK NAME	-	24 Characters *
STORE LOGO/HEADER	-	5 Lines (24 Characters* each)
CREDIT KEYS	-	12 Characters (Each key)
* Standard size characters. For Double Width, see below.		

Please Note: The instructions for programming Department Descriptions is on Page 29.
 The instructions for programming PLU Descriptions is on Page 36.
 The instructions for programming Clerk Descriptions is on Page 19.
 The instructions for programming Credit keys is on Page 30.

WIDE CHARACTERS

For extra emphasis, you can program extra wide (double width) for each character.

If using double width characters, the maximum number of characters is reduced by half. For example, Departments would normally use 12 characters, for double width, the maximum is 6 characters; PLUs would normally use 12 characters, for double width, the maximum is 6 characters.

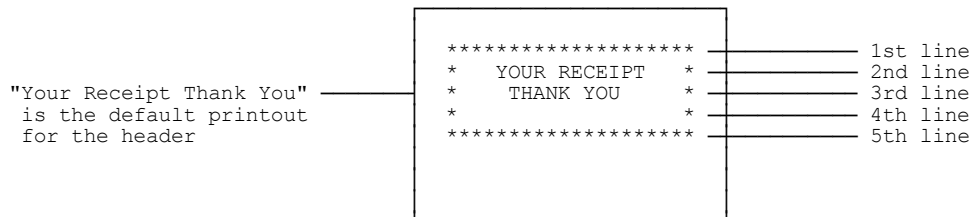
To make a character print extra wide, the double width code of "01" must be used before each character.

Normal Size

Double Width

PROGRAM STORE LOGO/COMMERICAL MESSAGE

A 5 line store header can be programmed to print on customer receipts. The header can be a maximum of 5 lines, each line 24 characters (normal size) or 12 characters (double width).



Make a copy of the attached blank Store Logo Worksheet for future changes or revisions to your logo.

PROGRAMMING ALPHANUMERIC DESCRIPTIONS(Continued)

PROGRAMMING ALPHANUMERIC DESCRIPTIONS (Continued)

PRINTED RESULT: Example of programmed Store Logo:

**INTERNATIONAL COFFEES
999-555-1111
222 EAST MAIN STREET
OPEN 7AM TO 6PM
COFFEES OF THE WORLD**

Step 4: Program your logo.

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, **TYPE** the (PASSWORD #), then **PRESS** the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. 1st Line: **TYPE (31)**, **PRESS** the [RETURN] key (Logo line 1 appears on the display), enter the 1st line of the logo (up to 24 characters) and then **PRESS** the [CHECK] key.

2nd Line: **TYPE (32)**, **PRESS** the [RETURN] key (Logo line 2 appears on the display), enter the 2nd line of the logo (up to 24 characters) and then **PRESS** the [CHECK] key.

3rd Line: **TYPE (33)**, **PRESS** the [RETURN] key (Logo line 3 appears on the display), enter the 3rd line of the logo (up to 24 characters) and then **PRESS** the [CHECK] key.

4th Line: **TYPE (34)**, **PRESS** the [RETURN] key (Logo line 4 appears on the display), enter the 4th line of the logo (up to 24 characters) and then **PRESS** the [CHECK] key.

5th Line: **TYPE (35)**, **PRESS** the [RETURN] key (Logo line 5 appears on the display), enter the 5th line of the logo (up to 24 characters) and then **PRESS** the [CHECK] key.

*** Remember, when entering any alpha descriptions, if a wrong character is entered, use the [VOID] key to "backspace" and delete that character and then continue.**

SCROLL MESSAGES

The following outlines the types of scrolling messages that can be programmed:

1. OFF message – Message that runs in the OFF position
2. MODE message – Message that runs during the idle state in PRG, X, Z modes
3. SALES message – Message that runs after the sales transaction
4. IDLE message 1 – Message that runs during the idle state in REG modes *
5. IDLE message 2 – Message that runs during the idle state in REG modes *

* IDLE messages 1 and 2 can be combined for 1 longer message.

Each scroll message can be programmed for a maximum of 42 characters. Messages 4 and 5 (IDLE messages) can be combined for a maximum of 84 characters.

To program a message:

1. **Turn the key to the "PRG" (PROGRAM) position.**
2. If a PRG/Z Manager Password has been programmed, **TYPE** the **(PASSWORD #)**, then **PRESS** the **[CHECK]** key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. **PRESS (6), PRESS (the message number), PRESS** the **[RETURN]** key, begin inputting characters using the alpha keyboard (Department keys) or the Alphanumeric Code Chart, if needed, (see Page 42). If a wrong character is entered, use the **[VOID]** key to "backspace" and delete that character and then continue. Remember, the Department Shift key accesses the letters in the lower green section of the Department keys.
4. **PRESS** the **[CHECK]** key to finalize.

"PRG" + (6n) + [RETURN] + (xxx...xxx) + [Check]
(42 characters max)

EXAMPLE: To program the **OFF (number 1)** message:

"PRG" + (6) + (1) + [RETURN] + (message) + [CHECK]
(42 characters max)

EXAMPLE: To program the **MODE (number 2)** message:

"PRG" + (6) + (2) + [RETURN] + (message) + [CHECK]
(42 characters max)

EXAMPLE: To program the **SALES (number 3)** message:

"PRG" + (6) + (3) + [RETURN] + (message) + [CHECK]
(42 characters max)

EXAMPLE: To program the **IDLE (number 4 or 5)** message:

"PRG" + (6) + (4 or 5) + [RETURN] + (message) + [CHECK]
(42 characters max)

SCROLL MESSAGE SETTINGS

1 – OFF message (Number of seconds after the register is turned off before the message starts)

Note: Pressing the [FEED] key after the message starts will stop the OFF message from displaying.

Settings: 00 – 99 (Default=05)

PRG + 1 + # of seconds + [CHARGE]
(2 digits - 00-99)

2 – MODE message (Number of seconds before the register turns into idle mode in PRG, X , Z modes and the message starts.) This message will not display in REG modes.

Settings: 00 – 99 (Default=05)

PRG + 2 + # of seconds + [CHARGE]
(2 digits - 00-99)

3 – SALES message (Number of seconds after a sale completion in REG mode before message starts). When a transaction is begun the SALES message will stop. It will resume after the sale is completed and the number of seconds programmed has elapsed. Settings: 00 – 99 (Default=10)

PRG + 3 + # of seconds + [CHARGE]
(2 digits - 00-99)

4 – SALES message (Number of seconds for Sales message to run before the Idle message starts.)

Settings: 00 – 99 (Default=20) (00 = No Sales message will scroll)

PRG + 4 + # of seconds + [CHARGE]
(2 digits - 00-99)

50– Idle message 1 (Number of seconds for clock display after Sales message.) When the Time changes while an Idle message is running, the Time is shown first for a few seconds, then restarts with the idle message.

Settings: 0 – 9 (Default=5)

PRG + 50 + # of seconds + [CHARGE]
(1 digit - 0-9)

60 – Idle message 2 (Selection of idle message patterns.) Setting to 0 will run Idle message 1 in the AM and Idle message 2 in the PM. Setting to 1 will combine the two Idle messages and run both in AM and PM.

Settings: 0 – 1 (Default=0)

PRG + 60 + 0 or 1 + [CHARGE]

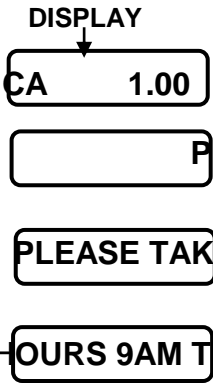
70 – Amount of time for each letter of a message to appear on the display.

PRG + 70 + # + [CHARGE]
(1 digit - 0-8)

- 70 #:
- 0 = 0.2 sec
 - 1 = 0.3
 - 2 = 0.4 (DEFAULT)
 - 3 = 0.5
 - 4 = 0.6
 - 5 = 0.7
 - 6 = 0.8
 - 7 = 0.9
 - 8 = 1.0

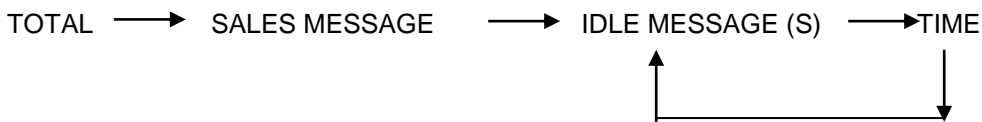
SCROLL MESSAGE PATTERN

- SALES COMPLETION
- TOTAL IS ON DISPLAY
- SALES MESSAGE STARTS
- SALES MESSAGE RUNS
- IDLE MESSAGE 1-2



*IDLE MESSAGE 1 RUNS IN THE AM AND 2 RUNS IN THE PM. IF 1 AND 2 ARE COMBINED BOTH WILL RUN IN AM AND PM.

DURING THE IDLE MESSAGE WHEN THE TIME CHANGES EACH MINUTE THE TIME WILL BE DISPLAYED AND THEN RETURN TO THE IDLE MESSAGE.



DEFAULT SCROLL MESSAGES

- [OFF MES.] → 1 : CLOSED, NEXT REGISTER PLEASE
- [MODE MES.] → 2 : PLEASE WAIT
- [SALES MES.] → 3 : PLEASE TAKE YOUR RECEIPT
- [IDLE-1 MES.] → 4 : GOOD MORNING
- [IDLE-2 MES.] → 5 : GOOD AFTERNOON

SOME EXAMPLES OF MESSAGES THAT CAN BE PROGRAMMED TO SCROLL:

- ASK ABOUT OUR DAILY SPECIALS
- WE DELIVER
- 10% DISCOUNT ON THURSDAYS
- FREE SODA WITH ANY SANDWICH ORDER
- STORE HOURS 9AM TO 10PM

Remember, by combining messages 4 and 5 a message of up to 84 characters can be programmed.

Note: To verify your scrolling messages and settings you may print a Program Confirmation report as shown on page 49.

PROGRAM CONFIRMATION REPORT

The Program Confirmation Report allows you to check your programming results.

TO TAKE A PROGRAM CONFIRMATION REPORT

"PRG" + (999999) + [AMT TEND/TOTAL]

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS (999999), then PRESS the [AMT TEND/TOTAL] key.

The following illustrates the Program Confirmation Report. The figures shown in this example are randomly chosen:

	* YOUR RECEIPT *		STORE LOGO OR MESSAGE
	* THANK YOU *		

DATE	09-17-2001	MC #:1234	MACHINE NUMBER
	FOOD	0.00T1	PRE-SET PRICE of zero in Dept. 1; Taxable 1 Status
		00001	DEPARTMENT STATUS - shows Tax Rate 1 programmed for Dept. 1
	BEVERAGES	1.99T2	PRE-SET PRICE of \$1.99 in Dept. 2; Taxable 2 Status
		00002T2	DEPARTMENT STATUS - shows Tax Rate 2 programmed for Dept. 2
	COFFEE	0.00	PRE-SET PRICE of zero in Dept. 3
		10001T1	DEPARTMENT STATUS - shows Tax Rate 1 and Gallonage programmed for Dept. 3
	PAPER GOODS	0.00	
		00000	
Either the Dept. No. or Dept. Description will print	DEPT 5	0.00	
		00000	
	DEPT 6	0.00	
		00000	
			ALL 30 DEPARTMENTS WILL ALWAYS PRINT
	DEPT 30	0.00	
		00000	
	COUPON	001-	COUPON STATUS (Tax Status set at "01")
		1.54T1	TAX 1 RATE (fixed rate programmed)
		50.00T1	
		1.04T2	TAX 2 RATE (fixed rate programmed)
		60.00T2	
		0.00T3	TAX 3 RATE (not programmed)
		0.00T4	TAX 4 RATE (not programmed)
	DISCOUNT	10.00%-	PERCENT DISCOUNT (set at 10%)
	ADD ON	0.00%+	PLUS PERCENTAGE (not programmed)
	CHARGE	50	ROUNDING STATUS (set at 50)
	CHARGE	1 05	} Scroll Message Details
	CHARGE	2 05	
	CHARGE	3 10	
	CHARGE	4 20	
	CHARGE	5 05	
	CHARGE	6 00	
	CHARGE	7 02	
	61 CLOSED, NEXT REGISTER PLEASE		} Scroll Messages
	62 PLEASE WAIT		
	63 PLEASE TAKE YOUR RECEIPT		
	64 GOOD MORNING		
	65 GOOD AFTERNOON		
FLAG OPTION STATUS (a total of 31 flag options will print at either "0" or "1", depending upon the program setting)	VOID/CORR	0000000000	FLAG NUMBERS read from left to right
		0000100100	
	VOID/CORR	0000001101	
		0	
TIME	PM 2-44	0003	TRANSACTION NUMBER

Note: Flags 28, 30 and 31 do not apply to the U.S. market.

- T1 - Represents a taxable status programmed with a single tax rate.
- T2 - Represents a taxable status programmed with a second tax rate.
- T3 - Represents a taxable status programmed with Tax 3 rate.
- T4 - Represents a taxable status programmed with Tax 4 rate.
- TX - Represents a taxable status programmed with more than 1 tax rate.

PLU CONFIRMATION REPORT/DEPARTMENT CONFIRMATION REPORT

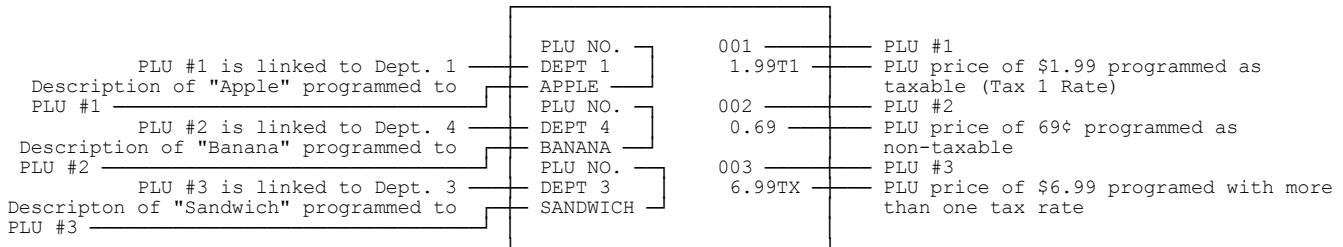
The PLU Confirmation Report allows you to check all PLUs programmed.

TO TAKE A PLU CONFIRMATION REPORT

"PRG" + [PLU]

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. PRESS the [PLU] key.

The following illustrates the PLU Confirmation Report. The figures shown in this example are randomly chosen:



PLU RANGE CONFIRMATION REPORT

"PRG" + (START PLU #) + (END PLU #) + PLU
 001-499 001-499
 (must be 3 digits) (must be 3 digits)

This report prints a selected range of PLUs. For example, to print a program report for PLU's 10 through 150:

1. Turn the key to the "PRG" (PROGRAM) position.
2. If a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program a PRG/Z Manager Password, go to Step 3.
3. Enter the starting number - must be 3 digits, 010.
4. Enter the ending number, 150.
5. PRESS PLU.

DEPARTMENT CONFIRMATION REPORT

This report prints a selected range of departments.

"PRG" + (88) + (Start Department #) + (End Department #) + [AMT TEND/TOTAL]
 2 digit # 2 digit #

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

The examples in this section show how to ring up different types of transactions. A maximum of 7 digits may be used to enter a price.

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

SAMPLE RECEIPT

The sample receipt below illustrates general transaction information you will see printed on a receipt:

	<pre> ***** * YOUR RECEIPT * * THANK YOU * * * ***** DATE 01-24-2001 MC #:1234 DEPT 1 *1.00T1 DEPT 2 *2.00T2 DEPT 3 *3.00T3 DEPT 4 *4.00T4 *0.05T1 *0.12T2 *0.24T3 *0.63T4 ----- TOTAL *11.04 CASH AMOUNT TENDERED AMOUNT *25.00 CHANGE *13.96 TIME PM 4-29 0043 </pre>	<p>STORE LOGO OR MESSAGE</p> <p>MACHINE NUMBER</p> <p>TAX 1 RATE applied to sale</p> <p>TAX 2 RATE applied to sale</p> <p>TAX 3 RATE applied to sale</p> <p>TAX 4 RATE applied to sale</p> <p>TAX 1 AMOUNT</p> <p>TAX 2 AMOUNT</p> <p>TAX 3 AMOUNT</p> <p>TAX 4 AMOUNT</p> <p>TRANSACTION NUMBER</p>
--	--	--

TRANSACTION SYMBOLS:

The following symbols will appear on transaction receipts:

- | | |
|--|--|
| <ul style="list-style-type: none"> Clerk #1 to Clerk #15 - 1 Through 15 Clerks CASH - Cash Transaction Total CHECK - Check Transaction Total CHARGE - Charge Transaction Total SUBTTL - Subtotal (Excludes Tax) TOTAL - Total of Sale CHANGE - Change <ul style="list-style-type: none"> X - Number of Items Being Multiplied @ - Amount Being Multiplied T1 - Tax 1 Rate Applied to a Sale T2 - Tax 2 Rate Applied to a Sale T3 - Tax 3 Rate Applied to a Sale T4 - Tax 4 Rate Applied to a Sale TX - Represents Tax Total (if Option 1 is selected on Flag 24, Page 39). | <ul style="list-style-type: none"> AMOUNT - Amount of Cash Tendered *PRICE* - Overriding of a PLU Price DISCOUNT - Minus Percent Discount ADD ON - Plus Percent NO SALE - No-Sale Function or Open Cash Drawer # - Reference Number COUPON - Coupon VOID/CORR - Void REFUND - Return (Refund) RECD ACCT - Received on Account PAID OUT - Paid Out |
|--|--|

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 1: CASH SALE WITHOUT TENDERING CHANGE - (Ring up a \$1.00 item in Department 1):

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [#ST/NS] key. The Subtotal key does not need to be depressed if you do not want the subtotal of a sale to print.
3. **PRESS** the [SUBTOTAL/W/TAX] key.
4. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1

SUBTTL	*1.00
	*0.06 T1

TOTAL	*1.06
CASH	*1.06
AM10-59 0007	

EXAMPLE 2: CASH SALE WITH TENDERING CHANGE - (Ring up a \$1.00 item in Department 1 and compute change from \$5.00 cash tendered):

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [SUBTOTAL] key. The Subtotal key does not need to be depressed if you do not want the subtotal of a sale to print.
3. **PRESS** the [SUBTOTAL/W/TAX] key.
4. **PRESS (500)**, then **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1

SUBTTL	*1.00
	*0.06 T1

TOTAL	*1.06
AMOUNT *5.00	
CHANGE	*3.94
AM10-59 0008	

EXAMPLE 3: USING THE DEPT SHIFT KEY AND TENDERING CHANGE - (Ring up a \$1.00 item in Department 1, \$2.00 in Department 21 and \$3.00 in Department 1 and compute change from \$10.00 cash tendered):

1. **PRESS (100)**, and then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS (200)**, **PRESS** the [DEPT SHIFT] key, then **PRESS** the [DEPARTMENT 21] key.
3. **PRESS (300)**, then **PRESS** the [DEPARTMENT 1] key.
4. **PRESS** the [SUBTOTAL/W/TAX] key.
5. **PRESS (1000)**, then **PRESS** the [AMT TEND/TOTAL] key.

Note: The register returns to the Non-Shift Mode after each department entry.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
DEPT 21	*2.00
DEPT 1	*3.00 T1
	*0.24 T1

TOTAL	*6.24
AMOUNT *10.00	
CHANGE	*3.76
AM10-59 0009	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 4: CHARGE SALE - (Ring up a \$1.00 item in Department 1 and finalize the sale with the CHG key):

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [CHARGE] key. It is not necessary to enter any amounts before pressing the Charge key.

```

12-28-2001   MC #:1234

DEPT 1           *1.00 T1
                  *0.06 T1
-----
TOTAL            *1.06
CHARGE           *1.06

                AM10-59  0011
    
```

EXAMPLE 5: CHECK SALE - (Ring up a \$1.00 item in Department 1 and finalize the sale with the Check key):

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [CHECK] key. When needing to tender change with the Check key, enter the amount of the check before pressing the Check key.

```

12-28-2001   MC #:1234

DEPT 1           *1.00 T1
                  *0.06 T1
-----
TOTAL            *1.06
CHECK            *1.06

                AM10-59  0014
    
```

EXAMPLE 6: SPLIT TENDERING SALE - (Ring up a \$15.00 item in Department 1, split the total of the sale between \$5.00 in cash payment and \$10.90 in charge payment):

1. **PRESS (1500)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [SUBTOTAL/W/TAX] key.
3. **PRESS (500)**, then **PRESS** the [AMT TEND/TOTAL] key.
4. **PRESS** the [CHARGE] key.

Note: In using the Split Tendering function, the amount in cash must always be registered first. Split Tendering can also be finalized with the Check key. Simply substitute the Check key in Step 4 of this example.

```

12-28-2001   MC #:1234

DEPT 1           *15.00 T1
                  *0.90 T1
-----
TOTAL            *15.90
CASH              *5.00
CHARGE           *10.90

                AM10-59  0017
    
```

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 7: NO-SALE FUNCTION - (Used primarily to open the drawer without ringing up a sale. For example, to give change):

- PRESS** the [#ST/NS] key.

Note: The number of times the No-Sale key is used will be monitored on the Management Reports.

```

12-28-2001    MC #:1234

NO SALE

AM10-59    0018
    
```

EXAMPLE 8: REGISTERING A REFERENCE NUMBER - (Used to print a number, up to 10 digits, to identify an invoice number, credit card number or any other number on receipts. Ring up the number 1234567 in a standard sale):

- PRESS (1234567), PRESS** the [#ST/NS] key.
- PRESS (100), PRESS** the [DEPARTMENT 1] key.
- PRESS** the [AMT TEND/TOTAL] key.

Note: The use of the reference number is not recorded in any activity counter or sales totals on the Management Reports.

```

12-28-2001    MC #:1234

1234567 #

DEPT 1          *1.00 T1
                *0.06 T1
-----
TOTAL           *1.06
CASH            *1.06

AM10-59    0019
    
```

EXAMPLE 9: MULTIPLYING BY A FRACTION - (Multiply the quantity of 1.25, i.e., 1¼ yards of fabric at \$1.00 in Department 1):

- PRESS (1.25), then PRESS** the [QTY/DATE] key.
 Note: When multiplying by a fraction it is necessary to use the decimal point.
- PRESS (100), then PRESS** the [DEPARTMENT 1] key.
- PRESS** the [AMT TEND/TOTAL] key.

Note: The range of numbers from .01 to 999.99 can be used when ringing up the quantity of an item.

```

12-28-2001    MC #:1234

1.25 X
1.00 @
DEPT 1          *1.25 T1
                *0.08 T1
-----
TOTAL           *1.33
CASH            *1.33

AM10-59    0020
    
```

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 10: **MULTIPLICATION SALE** - (Ring up a \$1.00 item 3 times in Department 1):

1. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
2. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

Note: The range of numbers from .01 to 999.99 can be used when ringing up the quantity of an item.

12-28-2001	MC #:1234
	3 X
	1.00 @
DEPT 1	*3.00 T1
	*0.18 T1

TOTAL	*3.18
CASH	*3.18
AM10-59 0022	

EXAMPLE 11: **REGISTERING A DEPARTMENT UNIT PRICE** - (Assume Department 1 is pre-programmed for \$1.00. Ring up this price):

1. **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [AMT TEND/TOTAL] key.

Note: Up to 30 prices can be accessed by the use of the 30 Department keys for quick ring-ups.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
	*0.06 T1

TOTAL	*1.06
CASH	*1.06
AM10-59 0022	

EXAMPLE 12: **MULTIPLICATION OF A DEPARTMENT UNIT PRICE** - (Assume the Department 1 key is pre-programmed for \$1.00. Ring up this price three times):

1. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
2. **PRESS** the [DEPARTMENT 1] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

Note: Up to 30 prices can be accessed by the use of the 30 Department keys for quick ring-ups.

12-28-2001	MC #:1234
	3 X
	1.00 @
DEPT 1	*3.00 T1
	*0.18 T1

TOTAL	*3.18
CASH	*3.18
AM10-59 0023	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Department 2 is programmed for no tax and Clerk #1 is used.

EXAMPLE 13: EXEMPTING TAX ON AN ITEM - (Assume the Department 1 key is programmed as a taxable department. Ring up a \$1.00 item in Department 1 without charging tax):

1. **PRESS** the [NON TAX] key.
2. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

```

12-28-2001   MC #:1234

DEPT 1              *1.00
-----
TOTAL              *1.00
CASH                *1.00

                    AM10-59  0024
    
```

EXAMPLE 14: EXEMPTING TAX ON AN ENTIRE SALE - (Assume the Department 1 key is programmed as a taxable department. Ring up a \$1.00 item and a \$1.50 item in Department 1 without charging tax):

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS (150)**, then **PRESS** the [DEPARTMENT 1] key.
3. **PRESS** the [NON TAX] key.
4. **PRESS** the [AMT TEND/TOTAL] key.

```

12-28-2001   MC #:1234

DEPT 1              *1.00 T1
DEPT 1              *1.50 T1
-----
TOTAL              *2.50
CASH                *2.50

                    AM10-59  0027
    
```

EXAMPLE 15: ADDING TAX TO A NON TAXABLE DEPARTMENT - (Assume the Department 2 key is programmed for no tax and the Department 1 key is programmed with a 6% TAX 1 tax rate. Ring up a \$1.00 item in Department 2, charging the 6% tax rate): (This function is only available when the USA tax system is selected).

1. **PRESS** the [TAX 1] key.
2. **PRESS (100)**, then **PRESS** the [DEPARTMENT 2] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

```

12-28-2001   MC #:1234

DEPT 2              *1.00 T1
                    *0.06 T1
-----
TOTAL              *1.06
CASH                *1.06

                    AM10-59  0028
    
```

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 16: **RECEIVED-ON-ACCOUNT SALE** - ("Indicates money put in the cash drawer". Ring up \$50.00 to show the beginning cash-in-drawer amount for the day):

1. **PRESS (5000)**, then **PRESS** the [-%/RA] key.

12-28-2001	MC #:1234
RECD ACCT	*50.00
	AM10-59 0030

EXAMPLE 17: **PAID-OUT SALE** - ("Indicates money taken out of the cash drawer". Ring up \$10.00 to show money paid out of the cash drawer):

1. **PRESS (1000)**, then **PRESS** the [+%/PO] key.

12-28-2001	MC #:1234
PAID OUT	*10.00
	AM10-59 0031

EXAMPLE 18: **RETURN SALE** - (Refund a \$1.00 item in Department 1 and refund a \$1.50 item three times in Department 1):

1. **PRESS** the [RETURN] key.
2. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
3. **PRESS** the [RETURN] key.
4. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
5. **PRESS (150)**, then **PRESS** the [DEPARTMENT 1] key.
6. **PRESS** the [AMT TEND/TOTAL] key.

Note: The Return function can be performed in the middle of any sales transactions or by itself in a transaction.

12-28-2001	MC #:1234
REFUND-----	
DEPT 1	*-1.00 T1
	3 X
	1.50 @
REFUND-----	
DEPT 1	*-4.50 T1
	*-0.33 T1

TOTAL	*-5.83
CASH	*-5.83
	AM10-59 0032

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Department 2 is programmed for no tax and Clerk #1 is used.

EXAMPLE 19: COUPON DISCOUNT SALE:

There are various versions of ringing up a Coupon Discount sale. Based on the option selected for the "TAX STATUS NUMBER" (refer to Pages 31-33 for details on programming), choose the example below which best serves your needs:

VERSION 1: In the following two examples, the TAX STATUS NUMBER for the Coupon key is programmed for the option "00":

a. If no tax is programmed in your cash register, ring up a \$1.00 item in Department 2 and then deduct the 20¢ coupon:

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 2] key.
2. **PRESS (20)**, then **PRESS** the [CPN] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 2	*1.00
COUPON*-0.20	

TOTAL	*0.80
CASH	*0.80
AM10-59 0033	

b. If you want to charge the tax rate on the original amount of an item (the amount before the coupon is deducted), ring up a \$1.00 item in Department 1 and then deduct the 20¢ coupon:

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS (20)**, then **PRESS** the [CPN] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
COUPON*-0.20	
	*0.06 T1

TOTAL	*0.86
CASH	*0.86
AM10-59 0034	

VERSION 2: In the following example, the TAX STATUS NUMBER for the Coupon key is programmed for the option "01":

If you want to charge the tax rate on the discounted amount of an item (the amount after the coupon is deducted), ring up a \$1.00 item in Department 1 and then deduct the 20¢ coupon:

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS (20)**, then **PRESS** the [CPN] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
COUPON*-0.20	
	*0.05 T1

TOTAL	*0.85
CASH	*0.85
AM10-59 0037	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with 6% (TAX 1) rate and Department 2 is programmed for no tax and Clerk #1 is used.

EXAMPLE 20: MINUS PERCENTAGE DISCOUNT SALE:

VERSION 1: If no tax is programmed in your cash register, ring up a \$1.00 item in Department 2 and apply a pre-programmed discount rate of 10%:

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 2] key.
2. **PRESS** the [-%/RA] key. If the Minus Percentage Discount Rate is NOT programmed, type in the discount rate before pressing the [-%/RA] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 2	*1.00
COUPON	*-0.10

TOTAL	*0.90
CASH	*0.90
AM10-59 0039	

VERSION 2: When ringing a taxable item with a percentage discount, tax will automatically be charged on the discounted amount (the amount after the percentage discount is deducted).

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [-%/RA] key. If the Minus Percentage Discount Rate is NOT pre-programmed, type in the discount rate before pressing the [-%/RA] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
COUPON	*-0.10
	*0.05 T1

TOTAL	*0.95
CASH	*0.95
AM10-59 0040	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Department 2 is programmed for no tax and Clerk #1 is used.

EXAMPLE 21: PLUS PERCENTAGE SALE:

VERSION 1: **If no tax is programmed in your cash register, ring up a \$1.00 item in Department 2 and apply a pre-programmed Plus Percentage Rate of 10%:**

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 2] key.
2. **PRESS** the [+%/PO] key. If the Plus Percentage Rate is NOT pre-programmed, type in the plus percentage rate before pressing the [+%/PO] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 2	*1.00
ADD ON	10.00 %+ *0.10

TOTAL	*1.10
CASH	*1.10
AM10-59 0041	

VERSION 2: **When ringing a taxable item with a Plus Percentage the tax will automatically be charged on the amount after the plus percentage is added.**

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [+%/PO] key. If the Plus Percentage Rate is NOT pre-programmed, type in the Plus Percentage Rate before pressing the [+%/PO] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
ADD ON	10.00 %+ *0.10 *0.07 T1

TOTAL	*1.17
CASH	*1.17
AM10-59 0042	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 22: USE OF THE ERROR-CORRECT [VOID] KEY:

Corrects the last entry run up during a sale. Ring up a \$1.00 item in Department 1, then use the [VOID] key to cancel this entry and ring up a \$10.00 in Department 1 to register a new entry:

1. **PRESS (100)**, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [VOID] key.
3. **PRESS (1000)**, then **PRESS** the [DEPARTMENT 1] key.
4. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
VOID/CORR	
DEPT 1	*-1.00 T1
DEPT 1	*10.00 T1
	*0.60 T1

TOTAL	*10.60
CASH	*10.60
	AM 9-33 0036

EXAMPLE 23: VOIDING A SALE - (Void a \$1.00 item in Department 1):

1. **PRESS (100)**, **PRESS** the [VOID] key, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
VOID/CORR	
DEPT 1	*-1.00 T1
	*-0.06 T1

TOTAL	*-1.06
CASH	*-1.06
	AM 9-34 0037

EXAMPLE 24: VOIDING A MULTIPLICATION SALE - (Void a \$1.00 item in Department 1 three times):

1. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
2. **PRESS (100)**, **PRESS** the [VOID] key, then **PRESS** the [DEPARTMENT 1] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
	3 X
	1.00 @
VOID/CORR	
DEPT 1	*-3.00 T1
	*-0.18 T1

TOTAL	*-3.18
CASH	*-3.18
	AM 9-35 0038

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 25: **VOIDING A COUPON SALE** - (Void a \$1.00 item in Department 1, void a 20¢ coupon):

1. **PRESS (100)**, **PRESS** the [VOID] key, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS (20)**, **PRESS** the [VOID] key, then **PRESS** the [CPN] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
VOID/CORR	
DEPT 1	*-1.00 T1
VOID/CORR	
COUPON	*0.20
	*-0.05 T1

TOTAL	*-0.85
CASH	*-0.85
	AM11-04 0039

EXAMPLE 26: **VOIDING A MINUS PERCENTAGE DISCOUNT SALE** - (Void a \$1.00 item in Department 1 and void a pre-programmed Minus Percentage Discount Rate of 10%):

1. **PRESS (100)**, **PRESS** the [VOID] key, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [-%/RA] key. If the Minus Percentage Discount Rate is NOT pre-programmed, type in the discount rate before pressing the [-%/RA] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
VOID/CORR	
DEPT 1	*-1.00 T1
DISCOUNT	10.00 %-
	*0.10
	*-0.05 T1

TOTAL	*-0.95
CASH	*-0.95
	AM 9-27 0024

EXAMPLE 27: **VOIDING A PLUS PERCENTAGE SALE** - (Void a \$1.00 item in Department 1 and void a pre-programmed Plus Percentage Rate of 10%):

1. **PRESS (100)**, **PRESS** the [VOID] key, then **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [+%/PO] key. If the Plus Percentage Rate is NOT pre-programmed, type in the Plus Percentage Rate before pressing the [+%/PO] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
VOID/CORR	
DEPT 1	*-1.00 T1
ADD ON	10.00 %+
	*-0.10
	*-0.07 T1

TOTAL	*-1.17
CASH	*-1.17
	AM 9-27 0025

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Department 2 is programmed for no tax and Clerk #1 is used.

EXAMPLE 28: VOIDING A DEPARTMENT PRESET PRICE - (Assume Department 1 is programmed for the price of \$1.00 and Department 2 is programmed for the price of \$2.00. Ring up Department 1 and Department 2 prices, then void the Department 1 entry):

1. **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** the [DEPARTMENT 2] key.
3. **PRESS** the [CLEAR] key.
4. **PRESS** the [VOID], then **PRESS** the [DEPARTMENT 1] key. DEPT 1
5. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
DEPT 2	*2.00
VOID/CORR	
DEPT 1	*-1.00 T1

TOTAL	*2.00
CASH	*2.00
AM 9-28	0026

EXAMPLE 29: VOIDING MULTIPLICATION OF A DEPARTMENT PRESET PRICE - (Assume Department 1 is programmed for the price of \$1.00 and Department 2 is programmed for the price of \$2.00. Ring up Department 1 three times and Department 2 two times, then void the Department 1 entry rung up three times):

1. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
2. **PRESS** the [DEPARTMENT 1] key.
3. **PRESS (2)**, then **PRESS** the [QTY/DATE] key.
4. **PRESS** the [DEPARTMENT 2] key.
5. **PRESS** the [CLEAR] key.
6. **PRESS** the [VOID] key.
7. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
8. **PRESS** the [DEPARTMENT 1] key.
9. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
	3 X
	1.00 @
DEPT 1	*3.00 T1
	2 X
	2.00 @
DEPT 2	*4.00
	3 X
	1.00 @
VOID/CORR	
DEPT 1	*-3.00 T1

TOTAL	*4.00
CASH	*4.00
AM 9-28	0027

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Department 2 is programmed for no tax and Clerk #1 is used.

EXAMPLE 30: VOIDING A DEPARTMENT PRESET PRICE WITH A MINUS PERCENTAGE DISCOUNT - (Assume Department 1 is programmed for \$1.00, Department 2 is programmed for \$2.00, and the [-%/RA] key is pre-programmed for 10%. Ring up Department 1 and deduct 10%, ring up Department 2 and deduct 10%, then void the Department 1 entry with the 10% discount):

1. **PRESS** the [DEPARTMENT 1] key, then **PRESS** the [-%/RA] key.
2. **PRESS** the [DEPARTMENT 2] key, then **PRESS** the [-%/RA] key.
3. **PRESS** the [CLEAR] key.
4. **PRESS** the [VOID] key, **PRESS** the [DEPARTMENT 1] key, then **PRESS** the [-%/RA] key. If the Minus Percentage Discount Rate is NOT pre-programmed, type in the discount rate before pressing the [-%/RA] key.
5. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
DISCOUNT	10.00 %-
	*-0.10
DEPT 2	*2.00
DISCOUNT	10.00 %-
	*-0.20
VOID/CORR	
DEPT 1	*-1.00 T1
DISCOUNT	10.00 %-
	*0.10

TOTAL	*1.80
CASH	*1.80
AM 9-30 0030	

EXAMPLE 31: VOIDING A DEPARTMENT PRESET PRICE WITH A COUPON DISCOUNT - (Assume Department 1 is programmed for \$1.00 and Department 2 is programmed for \$2.00. Ring up Department 1 and deduct 20¢, ring up Department 2 and deduct 20¢, then void the Department 1 entry with the 20¢ coupon discount):

1. **PRESS** the [DEPARTMENT 1] key.
2. **PRESS** (20), then **PRESS** the [CPN] key.
3. **PRESS** the [DEPARTMENT 2] key.
4. **PRESS** (20), then **PRESS** the [CPN] key.
5. **PRESS** the [CLEAR] key.
6. **PRESS** the [VOID] key, then **PRESS** the [DEPARTMENT 1] key.
7. **PRESS** (20), **PRESS** the [VOID] key, then **PRESS** the [CPN] key.
8. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
DEPT 1	*1.00 T1
COUPON	*-0.20
DEPT 2	*2.00
COUPON	*-0.20
VOID/CORR	
DEPT 1	*-1.00 T1
VOID/CORR	
COUPON	*0.20

TOTAL	*1.80
CASH	*1.80
AM 9-30 0031	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 32: **PLU SALE** - (Assume the PLU # is preset for the price of \$1.99 in Department 1. Ring up the PLU #1):

1. **PRESS (1)**, then **PRESS** the [PLU] key.
2. **PRESS** the [AMT TEND/TOTAL] key.

Note: PLUs follow the same procedure for ringing up Coupons, Refunds, Minus Percentage Discounts, Plus Percentages, etc. as described throughout the section for Transaction Examples For Operating The Cash Register.

12-28-2001	MC #:1234
PLU No 001	*1.99 T1
	*0.12 T1

TOTAL	*2.11
CASH	*2.11
PM 1-14	0052

Temporarily overriding a PLU PRICE: If you would like to enter a different price than what is programmed into a PLU #: **TYPE** the (DESIRED PRICE), **PRESS** the [PLU ALT] key, **TYPE** the (PLU #), then **PRESS** the [PLU] key. The letters "AT" will appear above the price of the PLU # to indicate the overriding of a PLU price.

EXAMPLE 33: **PLU SALE WITH PLU DESCRIPTION** - (PLU #1 has been programmed with the description "apple"):

1. **PRESS (1)**, then **PRESS** the [PLU] key.
2. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
APPLE	*1.99

TOTAL	*1.99
CASH	*1.99
AM 2-07	0042

EXAMPLE 34: **OVERRIDING A PLU SALE** - If you need to enter a different price than what is programmed into a PLU #: Enter the price (100), press the [PLU ALT] key, enter the [PLU #], then press the [PLU] key. The word *PRICE* appears above the PLU description or PLU #:

1. **Enter the price (100)**, **PRESS** the [PLU ALT] key, **enter** the [PLU #], then **PRESS** the [PLU] key.
2. **Press** the [AMT TEND/TOTAL] key.
3. The word *PRICE* appears above the PLU description or PLU #.

12-28-2001	MC #:1234
PRICE	
PLU No 001	*1.00 T1
	*0.06 T1

TOTAL	*1.06
CASH	*1.06
AM 2-07	0006

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

In the examples below, Department 1 is programmed as taxable with a 6% (TAX 1) rate and Clerk #1 is used.

EXAMPLE 35: VOIDING A PLU SALE - (Assume PLU #1 is preset for the price of \$1.00 in Department 1. Void PLU #1):

1. **TYPE (1)**, **PRESS** the [VOID] key, then **PRESS** the [PLU] key.
2. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001 MC #:1234

VOID/CORR	
PLU No 001	*-1.00 T1
	*-0.06 T1
TOTAL	*-1.06
CASH	*-1.06
AM11-15 0041	

EXAMPLE 36: VOIDING A PLU MULTIPLICATION SALE - (Assume PLU #1 is preset for the price of \$1.00 in Department 1. Void PLU #1 three times):

1. **PRESS (3)**, then **PRESS** the [QTY/DATE] key.
2. **PRESS (1)**, **PRESS** the [VOID] key, then **PRESS** the [PLU] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001 MC #:1234

	3 X
	1.00 @
VOID/CORR	
PLU No 001	*-3.00 T1
	*-0.18 T1
TOTAL	*-3.18
CASH	*-3.18
AM11-15 0040	

EXAMPLE 37: VOIDING A PLU SALE WITH A COUPON DISCOUNT - (Assume PLU #1 is preset for the price of \$1.00 in Department 1 and deduct a 20¢ coupon. Void this entry):

1. **PRESS (1)**, **PRESS** the [VOID] key, then **PRESS** the [PLU] key.
2. **PRESS (20)**, **PRESS** the [VOID] key, then **PRESS** the [CPN] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001 MC #:1234

VOID/CORR	
PLU No 001	*-1.00 T1
VOID/CORR	
COUPON*0.20	*-0.06 T1
TOTAL	*-0.85
CASH	*-0.85
AM 9-31 0034	

TRANSACTION EXAMPLES FOR OPERATING THE CASH REGISTER

NOTE: Turn the key to the "REG" (REGISTER) position for registering sales transactions.
IMPORTANT: It is not necessary to press the Decimal Point when ringing up a price.
REMINDER: If Clerk Numbers are programmed, be sure to **TYPE** the (CLERK #), then **PRESS** the [CLERK] key before ringing up a sale.

EXAMPLE 38: **VOIDING A PLU SALE WITH A MINUS PERCENTAGE DISCOUNT** - (Assume PLU #1 is preset for the price of \$1.00 in Department 1 and the [-%/RA] key is pre-programmed for 10%. Ring up PLU #1, deduct 10%, then void this entry):

1. **PRESS (1)**, **PRESS** the [VOID] key, then **PRESS** the [PLU] key.
2. **PRESS** the [-%/RA] key. If the Minus Percentage Discount Rate is NOT pre-programmed, type in the discount rate before pressing the [-%/RA] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
VOID/CORR	
PLU No 001	*-1.00 T1
DISCOUNT	10.00 %-
	*0.10
	*-0.05 T1

TOTAL	*-0.95
CASH	*-0.95
	AM 9-31 0034

EXAMPLE 39: **VOIDING A PLU SALE WITH A PLUS PERCENTAGE RATE** - (Assume PLU #1 is preset for the price of \$1.00 in Department 1 and the [+%/PO] key is pre-programmed for 10%. Ring up PLU #1, add 10%, then void this entry):

1. **PRESS (1)**, **PRESS** the [VOID] key, then **PRESS** the [PLU] key.
2. **PRESS** the [+%/PO] key. If the Plus Percentage Rate is NOT pre-programmed, type in the discount rate before pressing the [+%/PO] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
VOID/CORR	
PLU No 001	*-1.00 T1
ADD ON	10.00 %+
	*-0.10
	*-0.07 T1

TOTAL	*-1.17
CASH	*-1.17
	AM 9-31 0035

EXAMPLE 40: **GALLONAGE SALES TRANSACTION** - In this example, Department 4 has been programmed for Gallonage Mode and is non-taxable. Ring 10.759 gallons at \$1.149 per gallon:

1. **PRESS (10.759)**, then **PRESS** the [QTY/DATE] key.
2. **PRESS (1149)**, then **PRESS** the [DEPARTMENT 4] key.
3. **PRESS** the [AMT TEND/TOTAL] key.

12-28-2001	MC #:1234
	10.759 X
	1.149 @
DEPT 4	*12.36

TOTAL	*12.36
CASH	*12.36
	PM 2-19 0008

X/Z MANAGEMENT REPORTS

The cash register is designed to maintain totals of all transaction data. Transaction data is maintained in the memory of the cash register as long as the battery back-up system is in effect. This data can be obtained in the "X" or "Z" positions. The read-out for the Management Reports is the same whether it is taken in the "X" or "Z" positions, the only difference is that the totals are reset to zero after a "Z" position reading.

"X" POSITION READING

There are two types of readings that can be taken in the "X" position; an "X1" reading and an "X2" reading. Note: To prevent accidental printing of the "X" reading, an "X" Manager Password can be set. Once the password is set, an "X" report will not print until the password is typed, for details see Page 21.

- **"X1" READING - Commonly known as a "mid-day" reading;** prints an accumulation of transaction data and is not reset to zero unless a "Z1" reading is taken. Use this position to print periodic readings of transaction totals during the course of the day.
- **"X2" READING - Commonly known as a "mid-week" or "mid-month" reading;** prints an accumulation of transaction data and is not reset to zero unless a "Z2" reading is taken. Use this position to print periodic readings of transaction totals during the course of several days.

"Z" POSITION READING

There are two types of readings that can be taken in the "Z" position; a "Z1" reading and a "Z2" reading. Note: To prevent accidental printing of the "Z" reading, a PRG/Z Manager Password can be set. Once the password is set, a "Z" report will not print until the password is typed, for details see Page 21.

- **"Z1" READING - Commonly known as a "end-of-day/daily-closeout" reading;** prints transaction data and resets all transaction totals to zero except the Running Grand Total. The machine will, however, still accumulate totals in memory until a "Z2" reading is taken. It is also possible to print a duplicate "Z1" Report. This is useful if the register runs out of paper or if there is a power outage during the printing of a "Z1" Report. This feature can also be turned off by Flag setting 25 (see Page 39).
- **"Z2" READING - Commonly known as a "weekly" or "monthly" reading;** prints transaction totals either on a weekly or monthly basis (not both) and resets all transaction totals to zero except the Running Grand Total.

MANAGEMENT REPORTS AVAILABLE

There are a total of five different kinds of reports available on the cash register:

- **FULL REPORT** - Includes totals of departments, tax, net sales, voids, returns, coupons, refunds, minus percentage, plus percentage, receipts-on-account, paid out, cash, check, charge, and the running grand total (only present on "Z" Reports).
- **PLU REPORT** - Lists quantity and cost of each PLU Number rung up.
- **CLERK REPORT** - Exclusively prints total sales amounts of each Clerk Number operated.
- **HOURLY REPORT** - Provides total sales amounts rung up each hour.
- **CASH-IN-DRAWER REPORT** - Only available in the "X" position simply tells you how much cash is in the drawer at the time of the report.

X/Z MANAGEMENT REPORTS(Continued)

The following lists the different Management Reports that are offered in the "X" and "Z" positions:

Key Positions	Report Symbols	Reports Known As	Management Reports Available
X	X1	Mid-Day	Full, PLU, Selective PLU, Selective Department, Clerk, Hourly, Cash-In-Drawer
X	X2	Mid-Week or Mid-Month	Full
Z	Z1	End-Of-Day or Daily-Close-out	Full, PLU, Clerk, Hourly
Z	Z2	Weekly or Monthly	Full

TO TAKE A CASH-IN-DRAWER REPORT

"X" + [QTY/DATE]

1. Turn the key to the "X" position.
2. If an "X" Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key now, or if you did NOT program an "X" Manager Password, go to Step 3.
3. PRESS the [QTY/DATE] key.

```

01-24-2001   MC #:5555
C-I-D                *44.16
                    AM 7-51   0010
```

— SHOWS \$44.16 CASH-IN-DRAWER TOTAL

TO TAKE AN HOURLY REPORT

"X" or "Z" + (11) + [AMT TEND/TOTAL]

1. Turn the key to the "X" or "Z" positions as desired.
2. If an "X" or a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did NOT program an "X" or a PRG/Z Manager Password, go to Step 3.
3. PRESS (11), then PRESS the [AMT TEND/TOTAL] key.

Important: An hourly reading must be closed out in the "Z" position.

(The next page shows an example of an Hourly Report)

X/Z MANAGEMENT REPORTS(Continued)

HOURLY REPORT

```

*****
*       YOUR RECEIPT       *
*       THANK YOU         *
*       *****          *
09-17-2001   MC #:1234
TIME           X
00:00
0000           *0.00
01:00
0000           *0.00
02:00
0000           *10.00
03:00
0000           *0.00
04:00
0000           *0.00
05:00
0000           *0.00
06:00
0009           *129.20
07:00
0007           *87.64
08:00
0015           *219.70
09:00
0014           *179.40
10:00
0000           *82.50
11:00
0000           *0.00
12:00
0000           *0.00
13:00
0000           *0.00
14:00
0000           *0.00
15:00
0000           *0.00
16:00
0000           *0.00
17:00
0000           *0.00
18:00
0000           *0.00
19:00
0000           *0.00
20:00
0000           *0.00
21:00
0000           *0.00
22:00
0000           *0.00
23:00
0001           *50.00

```

ACTIVITY COUNTER

SALES TOTAL (including tax) at 6:00AM

SALES TOTAL (including tax) at 7:00 AM

NOTES: All hours print whether sale was made or not.

Time prints using 24 hour format.

TIME REPORT WAS TAKEN

PM 11-27 0015

X/Z MANAGEMENT REPORTS (Continued)

TO TAKE A CLERK REPORT

"X" or "Z" + [CLERK]

1. Turn the key to the "X" or "Z" position as desired.
2. If an "X" or a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did NOT program an "X" or a PRG/Z Manager Password, go to Step 3.
3. PRESS the [CLERK] key.

Important: A Clerk Reading must be closed out in the "Z" position.

	<pre> ***** * YOUR RECEIPT * * THANK YOU * * * ***** 01-24-2001 MC #:1234 CLERK X CLERK 1 0023 *493.47 ANNE SMITH 0010 *207.90 CLERK 3 0000 *0.00 CLERK 4 0000 *0.00 CLERK 5 0000 *0.00 CLERK 6 0000 *0.00 CLERK 7 0000 *0.00 CLERK 8 0000 *0.00 CLERK 9 0000 *0.00 CLERK 10 0000 *0.00 CLERK 11 0000 *0.00 CLERK 0000 *0.00 CLERK 0000 *0.00 CLERK 0000 *0.00 CLERK 15 0000 *0.00 TOTAL *701.37 AM10-28 0038 </pre>	
	<p style="text-align: center;">MACHINE NUMBER</p>	
<p>CLERK NO. or NAME WILL PRINT (if programmed)</p> <p>ACTIVITY COUNTER (# of transactions rung up by each clerk)</p> <p>NOTE: All 15 clerks will print</p>	<p style="text-align: center;">SALES TOTAL OF CLERK #1 (includes tax)</p> <p style="text-align: center;">SALES TOTAL OF CLERK #2 (includes tax)</p>	

X/Z MANAGEMENT REPORTS (Continued)

TO TAKE A (Z or END-OF-DAY) FULL REPORT

"X" or "Z" + [AMT TEND/TOTAL]

1. Turn the key to the "X" or "Z" position as desired.
2. If an "X" or a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did NOT program an "X" or a PRG/Z Manager Password, go to Step 3.
3. PRESS the [AMT TEND/TOTAL] key.

To issue a duplicate "Z" Report, press the #/ST/NS key and the AMT TEND/TOTAL key. If other keys are pressed after the first "Z" Report printing, the duplicate "Z" Report will not print. To disable the duplicate "Z" Report printing feature, Flag 25 must be changed (see Page 39).

Important: A Full Reading must be closed out in the "Z" position.

SEE ILLUSTRATION OF A FULL REPORT ON THE NEXT PAGE.

TO TAKE A (WEEKLY or MONTHLY) FULL REPORT

"X" or "Z" + (99) + [AMT TEND/TOTAL]

1. Turn the key to the "X" or "Z" position as desired.
2. If an "X" or a PRG/Z Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did NOT program an "X" or a PRG/Z Manager Password, go to Step 3.
3. PRESS (99), then PRESS the [AMT TEND/TOTAL] key.

SEE ILLUSTRATION OF A (WEEKLY or MONTHLY) FULL REPORT ON THE NEXT PAGE.

X/Z MANAGEMENT REPORTS(Continued)

FULL REPORT ILLUSTRATION

***** * YOUR RECEIPT * * THANK YOU * *****			
DATE	01-24-2001	MC #:1234	MACHINE NUMBER
ACTIVITY COUNTER	Z 1	0001	Z1 COUNTER
	DEPT 1	0016 *20.00T1	DEPARTMENT 1 SALES TOTAL (Tax 1)
	DEPT 2	0010 *28.00T2	DEPARTMENT 2 SALES TOTAL (Tax 2)
	DEPT 3	0011 *33.00TX	DEPART 3 SALES TOTAL (Tax 1 & Tax 2)
	DEPT 4	0010 *40.00	DEPARTMENT 4 SALES TOTAL (Non-Taxable)
	DEPTTL	*121.00	ALL DEPARTMENT TOTALS
	T 1	*2.50	
	T 2	*2.44	TAX AMOUNT TOTAL
	COUPON	*-0.80	COUNT (-) TOTAL
	DISCOUNT	*-1.98%	-% TOTAL
	ADD ON	*2.22%	+% TOTAL
	NET	*125.38	NET SALES TOTAL
REFUND COUNTER	REFUND	0003 *-5.00	REFUND TOTAL
VOID COUNTER	VOID/CORR	0002 *-5.00	VOID TOTAL
	GROSS	*133.16	GROSS SALES TOTAL
CASH SALES COUNTER	CASH	0011 *108.91	CASH SALES TOTAL
CHECK COUNTER	CHECK	0001 *0.27	CHECK SALES TOTAL
CHARGE COUNTER	CHARGE	0002 *16.00	CHARGE SALES TOTAL
CREDIT COUNTER	CREDIT-1	0001 *1.00	CREDIT 1 SALES TOTAL
RECEIVED-ON-ACCOUNT COUNTER	RECD ACCT	0001 *10.00	RECEIVED-ON-ACCOUNT TOTAL
PAID OUT COUNTER	PAID OUT	0001 *-5.00	PAID OUT TOTAL
	NO SALE	0003	
NO SALE COUNTER	C-I-D	*113.91	CASH-IN-DRAWER TOTAL
	G T	*10296.42*	GRAND TOTAL
TIME REPORT WAS TAKEN	PM 5-42	0049	CONSECUTIVE NUMBER

X/Z MANAGEMENT REPORTS (Continued)

The following illustrates how totals are calculated for the Management Reports.

NET SALES TOTAL (NET) - Represents the true sales for the day. The Net sales total includes department total (DEPTTL), tax total (T1, T2, T3, T4), and less the coupon discount (COUPON) and less the percentage discount.

Note: Minus percentage discount (DISCOUNT), voids (VOID/CORR) and returns/refunds (REFUND) are all deducted from the department totals and the plus percentage (ADD ON) is added to the department totals. If you do not want the percentage discount and plus percentage reflected in the department totals, see Page 39, Flag 23, Option 1.

GROSS SALES TOTAL (GROSS) - Represents the total of all sales registered. The Gross Sales Total includes net sales total (NET), coupon discount (COUPON), minus percentage discount (DISCOUNT), return/refund (REFUND), and void (VOID/CORR).

SYSTEM BALANCE:

```
(+) DEPARTMENT 1
(+) DEPARTMENT 2
(+) DEPARTMENT 3
...
(+) DEPARTMENT 29
(+) DEPARTMENT 30
-----
(=) DEPARTMENT TOTAL
```

Flag 23 setting 0

```
(+) DEPARTMENT TOTAL
(-) MINUS TOTAL
(-) Sales -% TOTAL
(+) Sales +% TOTAL
(+) TAX TOTAL ( USA, CANADIAN TAX )
-----
```

```
(=) NET SALES
(+) NET SALES
(+) MINUS TOTAL
(+) -% TOTAL
(+) RETURN TOTAL
(+) VOID TOTAL
-----
```

(=) GROSS SALES

```
(+) NET SALES
(+) PREVIOUS GRAND TOTAL
-----
```

(=) ENDING GRAND TOTAL

Flag 23 setting 1

```
(+) DEPARTMENT TOTAL
(-) MINUS TOTAL
(-) -% TOTAL
(+) +% TOTAL
(+) TAX TOTAL ( USA, CANADIAN TAX )
-----
```

(=) NET SALES

MEDIA BALANCE

```
(+) NET SALES
(-) CHECK
(-) CHARGE
(-) CREDIT 1
(-) CREDIT 2
(+) RECEIVED ON ACCOUNT
(-) PAID OUT
(-) PAYMENT OUT
-----
```

(=) CASH IN DRAWER

NOTE: The Percentage Discount [-%] must be done after each item, not on the subtotal amount, for the formula given to balance as shown.

TO RESET THE Z1 COUNTER

1. Turn the key to the "PRG" (PROGRAM) position.
2. If an "X" or a "PRG/Z" Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program an "X" or "PRG/Z" Manager Password, go to Step 3.
3. PRESS (1), PRESS the [Z1 Counter # (4 digits)], then PRESS the [RETURN] key.

TO RESET THE Z2 COUNTER

1. Turn the key to the "PRG" (PROGRAM) position.
2. If an "X" or a "PRG/Z" Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program an "X" or "PRG/Z" Manager Password, go to Step 3.
3. PRESS (2), PRESS the [Z2 Counter # (4 digits)], then PRESS the [RETURN] key.

TO RESET THE GRAND TOTAL

1. Turn the key to the "PRG" (PROGRAM) position.
2. If an "X" or a "PRG/Z" Manager Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program an "X" or "PRG/Z" Manager Password, go to Step 3.
3. PRESS (77777), PRESS the [AMT TEND/TOTAL] key, enter new amount (12 digits max.), then PRESS the [NON TAX] key.

Example: To reset the Grand Total to 0:

"PRG" + (77777) + [AMT TEND/TOTAL] + "0" + [NON TAX]

TO PRINT A DEPARTMENT RANGE REPORT

1. Turn the key to the "X" position.
2. If an "X" Password has been programmed, TYPE the (PASSWORD #), then PRESS the [CHECK] key, or if you did not program an "X" Password, go to Step 3.
3. PRESS the [Starting Department # (2 digits)], PRESS the [Ending Department # (2 digits)], then PRESS the [AMT TEND/TOTAL] key.

Example: To print the sales totals for departments 3 to 25:

"X" + (03) + (25) + [AMT TEND/TOTAL]

TROUBLESHOOTING

Please select and follow the procedure which best describes the cash register condition:

1. **IN CASE OF AN ERROR TONE:**

- a. **PRESS** the **[CLEAR]** key.
- b. **Turn the key to the last position (PRG, REG, X or Z)** you were in prior to receiving the error. If the last position you were in was "REG", **turn the key to the "REG" position** and **PRESS** the **[CLEAR]** key, then **PRESS** the **[AMT TEND/TOTAL]**, **[CHECK]**, or **[CHARGE]** key to complete a pending sale or if your last position was "PRG", **turn the key to the "PRG" position** and **PRESS** the **[CLEAR]** key.
- c. Double check and repeat the procedure you are trying to perform.
- d. If error still persists, perform a HALF SYSTEM CLEAR procedure (see below).
- e. As a last resort, perform a FULL SYSTEM CLEAR procedure (see below).

2. **IN CASE SEC CODE ERROR DISPLAYS IN PRG, X OR Z MODES:**

- a. This prompt means a Manager Password has been programmed. Enter the password number, **PRESS [CHECK]** and proceed.

3. **IN CASE CLERK ERROR DISPLAYS IN REG 1 OR REG 2 MODES:**

- a. This prompt means clerk numbers are programmed. Enter the clerk number and **PRESS [CLERK]** to proceed.

4. **IN CASE PE-PRINTER ERROR DISPLAYS:**

- a. Check if you are out of paper.
- b. Check for a paper jam. If so, carefully remove any paper obstructing the printer. **CAUTION:** Do not manually pull the paper, always use the paper feed key to remove or advance the paper. **IMPORTANT: Do not use sharp or pointed instruments in the printer area. This may cause serious damage to your printer.**
- c. Once the paper jam has been successfully removed, if "PE" still displays **turn the key to the "OFF" position, unplug the cash register (pause for 10 seconds), and re-plug.**
- d. If an "E" displays, **PRESS** the **[CLEAR]** key.
- e. If an "E" continues to display, **turn the key to the last position (PRG, REG, X or Z)** you were in prior to receiving the error. If the last position you were in was "REG", **turn the key to the "REG" position** and **PRESS** the **[CLEAR]** key, then **PRESS** the **[AMT TEND/TOTAL]**, **[CHECK]**, or **[CHARGE]** key to complete a pending sale or if your last position was "PRG", **turn the key to the "PRG" position** and **PRESS** the **[CLEAR]** key.
- f. As a last resort, follow the directions for a FULL SYSTEM CLEAR procedure (see Page 78).

5. **IF THE CASH REGISTER IS MALFUNCTIONING:**

- a. Be sure the cash register is plugged into a working electrical outlet and no other electrical device is using the same power source. Another electrical motor on the same circuit could cause interference with register operations.
- b. Perform a HALF SYSTEM CLEAR procedure (see Page 78).
- c. As a last resort, follow the directions for a FULL SYSTEM CLEAR procedure (see below).
- d. If needed, contact the Royal Customer Support hotline, toll-free, at 1-800-272-6229 for additional assistance. In Canada, please call, toll-free, 1-888-266-9380.

6. **OPENING THE DRAWER IN AN EMERGENCY:**

Push the drawer opening lever to the left (located at the rear of the bottom of the cash register) to open the drawer in an emergency in case of a power failure or a cash register malfunction.

HALF SYSTEM CLEAR PROCEDURE:

- a. Turn the key to the "OFF" position.
- b. Unplug the cash register from the power source (pause for 10 seconds) and re-plug the cash register.
- c. Continue with normal operations.

FULL SYSTEM CLEAR PROCEDURE:

Note: This procedure will erase all transaction totals and programming.

- a. Turn the key to the "OFF" Position.
- b. Remove one battery.
- c. Unplug the cash register from the power source and wait 5 minutes.
- d. Plug in the cash register.
- e. Replace the battery.
- f. Reprogram the cash register.
- g. Continue with normal operations.

If a problem still persists, call our Customer Service Support Line at 1-800-272-6229 or contact a Royal Authorized Service Center. For a list of Authorized Service Centers, please call, toll-free, 1-888-261-3888. In Canada, please call toll-free 1-888-266-9380.

DESCRIPTION TABLES

ENGLISH	SPANISH	FRENCH	GERMAN	PRINT LOCATION
COUPON____	CUPON____	COUPON____	MINUS____	SALES RECEIPT
DISCOUNT__	DESCUENTO__	REMISE____	RABATT____	SALES RECEIPT
ADD_ON____	INCREMENTO	MAJORATION	AUFSCHLAG__	SALES RECEIPT
CHARGE____	CARGO____	C-CREDIT__	KREDIT____	SALES RECEIPT
VOID/CORR__	ANUL/CORRC	CORRECTION	STORNO____	SALES RECEIPT
SUBTTL____	SUBTOTAL__	SOUS-TOTAL	ZWSUMME____	SALES RECEIPT
CHANGE____	CAMBIO____	RENDU____	RUCKGELD__	SALES RECEIPT
CASH____	METALICO__	ESPECES__	BAR____	SALES RECEIPT
*PRICE*____	"PRECIO"__	PRIX____	PREIS____	SALES RECEIPT
AMOUNT____	CANTIDAD__	MONTANT__	BETRAG____	SALES RECEIPT
CHECK____	CHEQUE____	CHEQUE____	SCHECK____	SALES RECEIPT
T1	T1	T1	S1	SALES RECEIPT
T2	T2	T2	S2	SALES RECEIPT
T3	T3	T3	S3	SALES RECEIPT
T4	T4	T4	S4	SALES RECEIPT
REFUND-----	REEMBOLSO-----	RETOUR-----	RUCKZAHLUNG-----	SALES RECEIPT
TOTAL	TOTAL	TOTAL	GESAMT____	SALES RECEIPT
PAID_OUT__	SALIDAS__	SORTIE____	AUSZAHLUNG	SALES RECEIPT
RECD_ACCT__	CUENTA____	ENTREE____	EINZAHLUNG	SALES RECEIPT
NO_SALE__	NO_VENTA	NON-VENTE_	NULL_BON__	SALES RECEIPT
COUPON____	CUPON____	COUPON____	MINUS____	PROGRAM PRINT
DISCOUNT__	DESCUENTO__	REMISE____	RABATT____	PROGRAM PRINT
ADD_ON____	INCREMENTO	MAJORATION	AUFSCHLAG__	PROGRAM PRINT
CHARGE____	CARGO____	C-CREDIT__	KREDIT____	PROGRAM PRINT
R-A-____	CUENTA____	ENTREE____	EINZAHLUNG	PROGRAM PRINT
P-O-____	SALIDAS__	SORTIE____	AUSZAHLUNG	PROGRAM PRINT
VOID/CORR__	ANUL/CORRC	CORRECTION	STORNO____	PROGRAM PRINT
SUBTTL____	SUBTOTAL__	SOUS-TOTAL	ZWSUMME____	PROGRAM PRINT
PLU_NO.____	PLU_NO____	PLU-NO____	PLU-NR____	PROGRAM PRINT
T1	T1	T1	S1	PROGRAM PRINT
T2	T2	T2	S2	PROGRAM PRINT
T3	T3	T3	S3	PROGRAM PRINT
T4	T4	T4	S4	PROGRAM PRINT
COUPON____	TL-CUPON__	TL-COUPON__	MINUS____	MANAGEMENT REPORT
DISCOUNT__	DESCUENTO__	TL-REMISE__	RABATT____	MANAGEMENT REPORT
ADD_ON____	TL-INCREM__	TL-MAJOR__	AUFSCHLAG__	MANAGEMENT REPORT
CHARGE____	CARGO____	TL-C-DRED__	KREDIT____	MANAGEMENT REPORT
VOID/CORR__	ANUL/CORRC	TL-CORREC__	STORNO____	MANAGEMENT REPORT
RECD_ACCT__	CUENTA____	TL-ENTREE__	EINZAHLUNG	MANAGEMENT REPORT
PAID_OUT__	SALIDAS__	TL-SORTIE__	AUSZAHLUNG	MANAGEMENT REPORT
NO_SALE__	NO_VENTA__	TL-NON-VTE	NULL_BON__	MANAGEMENT REPORT
CHECK____	CHEQUE____	TL-CHEQUE__	SCHECK____	MANAGEMENT REPORT
DEPTTL____	TOTAL_DPTO	TL-DEPART__	WG_TOTAL__	MANAGEMENT REPORT
REFUND____	REEMBOLSO__	TL-RETOUR__	RUCKZAHLNG	MANAGEMENT REPORT
TAX_1____	T1____	TL-TVA1__	T1____	MANAGEMENT REPORT
TAX_2____	T2____	TL-TVA2__	T2____	MANAGEMENT REPORT
TAX_3____	T3____	TL-TVA3__	T3____	MANAGEMENT REPORT
TAX_4____	T4____	TL-TVA4__	T4____	MANAGEMENT REPORT
NET____	NETO____	TL-NET____	NETTO	MANAGEMENT REPORT

ENGLISH	SPANISH	FRENCH	GERMAN	PRINT LOCATION
GROSS	BRUTO	TL-BRUT__	BRUTTO__	MANAGEMENT REPORT
GT__	GRAN_TOTAL	GT__	GT__	MANAGEMENT REPORT
C-I-D	METAL_CAJA	NET-TIROIR	G-I-S	MANAGEMENT REPORT
CASH__	METALICO__	TOT-ESPECE	BARGELD__	MANAGEMENT REPORT
T1	T1	T1	S1	MANAGEMENT REPORT
T2	T2	T2	S2	MANAGEMENT REPORT
T3	T3	T3	S3	MANAGEMENT REPORT
T4	T4	T4	S4	MANAGEMENT REPORT
TX	TX	TX	TX	MANAGEMENT REPORT
TOTAL	TOTAL	TL-PLU__	GESAMT__	PLU REPORT
PLU__	PLU__	PLU__	PLU__	PLU REPORT
TOTAL	TOTAL	TL-VENDEUR	GESAMT__	CLERK REPORT
CLERK__	DEPENDIEN_	VENDEUR__	KASSIERER_	CLERK REPORT
C-I-D	METAL_CAJA	NET-TIROIR	G-I-S	CASH-IN-DRAWER
NET__	NETO__	TL-NET__	NETTO	MONTHLY REPORT
GROSS	BRUTO	TL-BRUT__	BRUTTO__	MONTHLY REPORT
T1__	T1__	TL-TVA1__	T1__	MONTHLY REPORT
T2__	T2__	TL-TVA2__	T2__	MONTHLY REPORT
T3__	T3__	TL-TVA3__	T3__	MONTHLY REPORT
T4__	T4__	TL-TVA4__	T4__	MONTHLY REPORT
MC_#:	MC#	CR-NO	MC#	MACHINE NUMBER
*****	*****	*****	*****	STORE HEADER
* YOUR RECEIPT *	****SU RECIDO****	**VOUS REMERCIÉ**	***IHRE RECHNUNG***	STORE HEADER
* THANK YOU *	*****GRACIAS*****	****DE VOTRE CONFIANCE****	*****VIELEN DANK*****	STORE HEADER
*****	*****	*****	*****	STORE HEADER
DEPT__	DPTO__	DEPT__	WARENGRP__	DEPT RECEIPT
CLERK_____	DEPENDIENTE_____	VENDEUR_____	KASSIERER_____	CLERK NAME
TIME__	HORA__	HEURE__	ZEIT__	TIME REPORT
CREDIT-1__	CRED-1__	CART_CRED_1	KRED-1	CREDIT-1
CREDIT-2__	CRED-2__	CART_CRED_2	KRED-2	CREDIT-2
PLU_No__	PLU_No__	ARTICLE__	ARTIKEL__	PLU NAME

LIMITED WARRANTY

ROYAL ELECTRONIC CASH REGISTER LIMITED WARRANTY

Royal Consumer Information Products, 765 U.S. Highway 202, P.O. Box 6945, Bridgewater, New Jersey 08807 warrants that your NEW Royal Cash Management System is free of defects of workmanship and materials. If there is a defect or malfunction of this cash register, Royal will repair the cash register free of charge as follows:

PARTS: New or comparable rebuilt parts in exchange for defective parts for ONE YEAR from the date of purchase.

LABOR: All labor charges incurred for 90 DAYS are covered from the date of purchase. After 90 days there will be a labor charge for repair of assemblies such as the keyboard, display, logic board, power supply and printer at the Authorized Service Center's then prevailing rates. The cash register must be taken or sent postage prepaid and insured to a Royal Consumer Information Products' Authorized Service Center. Royal will pay return postage, during labor warranty period only.

This warranty does not apply to persons who purchase this product second hand or used.

This warranty does not include adjustments, parts, or repairs required by circumstances beyond the control of Royal, including but not limited to fire or other casualty, accident, neglect, abuse, abnormal use, or battery leakage damages. THERE ARE NO OTHER EXPRESSED WARRANTIES EXCEPT AS STATED HEREIN. AFTER THE PERIOD OF EXPRESSED WARRANTY SET FORTH HEREIN, THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES AND THOSE EXCLUDED INCLUDE THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Royal shall NOT be liable for CONSEQUENTIAL DAMAGES resulting from any failure, defect, or malfunction of this cash register. Some states do not allow limitations on how long an implied warranty lasts and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

TO OBTAIN SERVICE UNDER THE TERMS OF THIS WARRANTY:

- Pack your cash register in the original carton or equivalent.
- Enclose a copy of the bill of sale or other documentation showing original purchase date.
- Enclose a card or note describing the difficulty you have had with the cash register.
Be sure to include your complete name and address.
- Mail the above prepaid and insured to the nearest authorized service location. The Service Center cannot be held responsible for any loss or damage in transit.
For Authorized Service Centers within your local area, please call 1 (888) 261-3888 or 908-429-4357. In Canada call 1-888-266-9380.

Please retain proof of purchase to establish date of original purchase.

Your warranty starts with the date of original purchase. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

- This warranty is valid only on cash registers purchased, delivered and used in the United States or Canada.

ROYAL ELECTRONIC CASH REGISTER OPTIONAL WARRANTY EXTENSION

Use this form ONLY to purchase the Optional Extended Warranty. This form is not a product registration card. This offer expires 90 days after the date of purchase.

Your ROYAL Electronic Cash Register is built to the highest product standards, backed by our regular limited warranty. However, you may purchase an extension of the labor portion of the regular ROYAL limited warranty:

	REGULAR WARRANTY	EXTENDED WARRANTY
LABOR	3 Months	12 Months
PARTS	12 Months	12 Months

Owner: _____ Phone Number: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Date of Purchase: _____ Place of Purchase: _____
 City: _____ State: _____ Zip: _____
 Royal Model Number: _____ Serial Number: _____

IMPORTANT: We cannot process your optional warranty form unless you include (1) a copy of your sales receipt or bill of sale showing original purchase date; and (2) a check or money order for the appropriate amount.

The warranty periods stated herein commence on the date of purchase of the equipment.

To apply for the Royal Extended Warranty Program, follow the procedures listed below:

- Determine the cost of the warranty program that you choose.

MODEL	EXTENDED WARRANTY
120cx/225cx /325cx	\$19.95
482cx	\$24.95
Alpha587cx/Alpha 585cx/A580/A582cx	\$29.95
A9150/A9170	\$29.95

- Complete the Extended Warranty Registration Form above.
- Attach your check or money order, along with a copy of your sales receipt or other proof of purchase. (Save your original sales receipt to document proof of purchase).
- Mail to: Royal Consumer Information Products
 765 U.S. Highway 202
 Bridgewater, New Jersey 08807-0945
 ATTN: WARRANTY ADMINISTRATOR

You will be sent a self-stick label to affix to your cash register. This label will enable you to obtain service on your cash register **AT NO CHARGE** from any authorized Service Center or the Royal Corporate Service Center for A FULL 12 MONTHS from your original date of purchase. To obtain information about your nearest authorized service center, call 1 (888) 261-3888 or 908-429-4357. In Canada call 888-266-9380.

Whether or not you select this Warranty Extension Option, your regular limited warranty will still be honored, PROVIDED YOU HAVE YOUR ORIGINAL SALES RECEIPT.

This offer is valid only on cash registers purchased, delivered, and ordered in the United States.

SPECIFICATIONS AND SAFETY

MODEL:	Royal Alpha 585cx
TYPE:	Electronic cash register with alpha numeric printer and 30 departments.
DISPLAY:	One line alpha display / one line numeric display
CAPACITY:	7 digit input and 10 digit readout.
PRINTER:	ECR exclusive alphanumeric printer.
INK SOURCE:	Ribbon (Royal brand PCUA #013019 (Purple)).
PAPER SUPPLY:	57mm (2¼" Two Ply Register Tape, Royal brand PCUA #013130 or Single Ply Tape, Royal brand PCUA #013129).
MEMORY BATTERY PROTECTION:	Approximately 30 days after power interruption.
TECHNOLOGY:	CMOS RAM
POWER CONSUMPTION:	Standby - 28W, Operating - 47W
OPERATING TEMPERATURE:	0-40 Degrees Centigrade (32-104 Degrees Fahrenheit).
DIMENSIONS:	10¼" x 16½" x 13¾"
WEIGHT:	16.0 lbs.

SAFETY NOTICE

The main outlet for this cash register must be located near the unit and easily accessible.

Do not use this cash register outdoors in the rain or near any source of liquid.

WARNING

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

YOUR BACK-UP POWER SYSTEM: When you are not using your cash register, you should keep it plugged in with the control lock in the "OFF" position. Back-up power is provided via battery, but this should not be used for sustained periods of time.