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POS CODE SYSTEMS

Guardian XP Series

Code Command I
Instructions
Manual

Part #8M00586 Rev. 4

Code Command I

Table of Contents

Conventions

Throughout this manual/instruction sheet, the following conventions are in effect:

⚠ **DANGER**	If this step is not performed as directed, serious bodily injury and/or death WILL result

⚠ **WARNING**	If this step is not performed as directed, serious bodily injury and/or death MAY result

⚠ **CAUTION**	If this information is ignored, bodily injury or equipment damage may result

!!IMPORTANT!!	Important information that has more impact than a note-not related to injury or damage

💡	Helpful tips

Note: General and/or helpful information-not related to injury or damage

Introduction

The following is standard installation and set up method for Guardian Wired CCI (Code Command I). There may be optional ways to install these components, dependent on individual site configurations. System menus are described per software version 3.05. If alternate software is used, menus may differ and all options may not be available.

Features

- Four available wash programs
- Four price levels: Full Price, Discount 1, Discount 2, and Rewash
- Gas pump interface using the industry standard Ryko Code-A-Wash IV protocol and UNICAM
- Ten thousand Code database for one time use wash codes
- Sales reporting for Users/shifts
- One year accounting data memory
- Verify and issue codes
- Optional printer and card reader
- Multiple receipt printing capability

Basics

1. The Code System displays messages in text boxes.

```
Select User 1 – 2 – 3
4=Manager  5=Setup
```

2. To enter text, press the appropriate key until the desired letter or symbol displays in window. Each number represents three letters, both upper and lower case:

   1= q, z, -.
   2= a, b, c.
   3= d, e, f.
   4= g, h, i.
   5= j, k, l.
   6= m, n, o.
   7= p, r, s.
   8= t, u, v.
   9= w, x, y.
   0=, (comma) or "(quotation)

Example: **The text Thank You contains the upper case 'T', which coincides with the 8 key. Press the 8 key once and the following appears in the display window.**

```
T. . . . . . . . . . . . .
```

When the first character is complete, enter a lower case 'h'. The 'h' coincides with the 4 key. Press the 4 key five times to display upper case letters first then lower case letters. When the lower case 'h' displays, release the key. The display window appears as below.

```
Th. . . . . . . . . . . .
```

Using the keypad, enter the remaining numbers. To create a blank space, press 0. The display window appears as below:

```
              Thank You
```

To correct a mistake, type CLR to erase the last entered character. If all characters have been entered, then type ENTER.

Note: This manual covers both Operator and Manager functions.

Required Tools

- Screwdriver
- Narrow flat blade screwdriver
- Fish Tape
- Phillips Screwdriver
- Wire Strippers

Requirements

- GXP per site (with software version 3.038 or higher)
- CCI setup in the GXP (see *Connecting the Local Unit*)
- Ryko Code-A-Wash IV protocol

Note: Technician must supply proper connecting adapter.

- Wall Outlet Plugs 120VAC (2)

    CCI Console and optional ticket printer (see Figures 1 and 2)

Note: If using pay at pump, a plug-in is required.

- Twisted Pair Cable (250 ft. connects CCI to GXP)
- Pump isolator junction box

Figure 1-Code Command I

Figure 2-Optional Printer.

- Note: Cables cannot be spliced together.

Connecting the CCI with the Guardian

- Console
- Twisted pair shielded cable (250 ft)
- Blue, Category 5 network cable (4 ft)
- Isolation box with cable

- Pump isolator junction box
- Printer with cable (optional)

1. Mount the isolation box close to the console so the isolation box cable can reach the back of the console.

2. Cable 4C00464 should plug into J11 as shown in figure 4. Using a twisted shielded cable and wire nuts connect the white wire to connection A in the isolation box and the green wire to connection B in the isolation box.

Figure 4-GXP connection
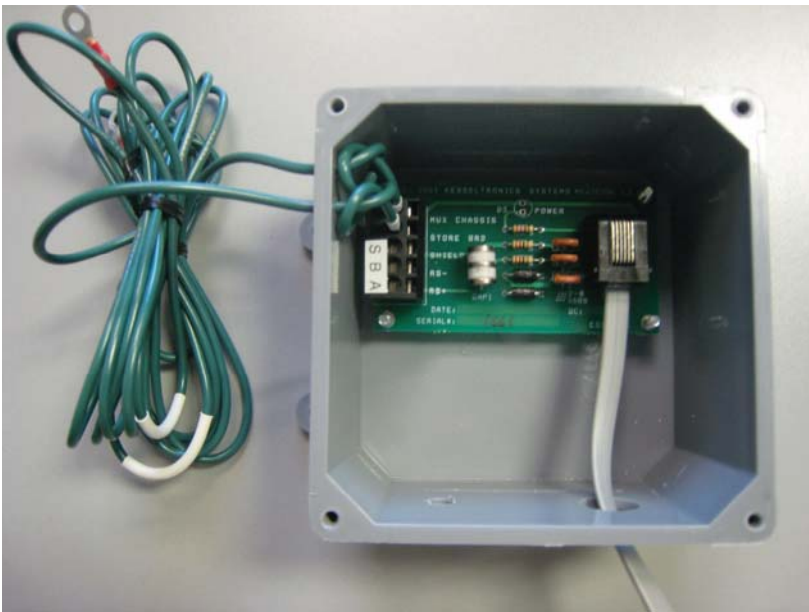
Figure 5-Isolation Box

3. Plug the cable from the isolation box into the male DB9 connector, located on the back of the console. Use the far-left plug, located on the back of the unit (see Figure 6).
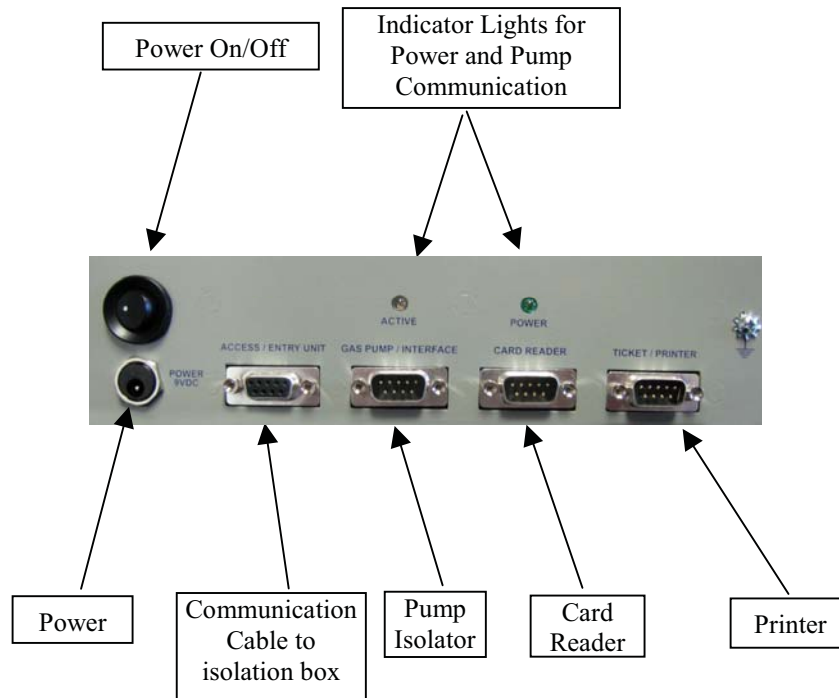
Figure 6-Code Command I Connections

4. For the optional printer connection, run the supplied printer cable from back of printer and connect to the fourth terminal, located on back of console unit (see Figure 6).
5. Connect power cord to back of console unit and plug into a power outlet. Locate ON/OFF switch at back of unit (see Figure 6).
6. Connect cable 18 from the Pump Isolator to the "Gas Pump" port on the back of the console (see Figure 7).
7. For gas pump wash purchases, connect cable 19 from the Pump Isolator to the pump system. For proper connection point on Store console end, request or look for *Ryko Adapter*. This requires DB9 female connector and Pin layout: pin 2-TX, pin 3-RX, and pin 5-GRD (see Figure 7).
8. Connect the power cord supplied with the Pump isolator junction box into a power outlet.

Note: Required cables between gas pumps and console unit are supplied outside (see Figure 7).

Code Command I to Pump Controller
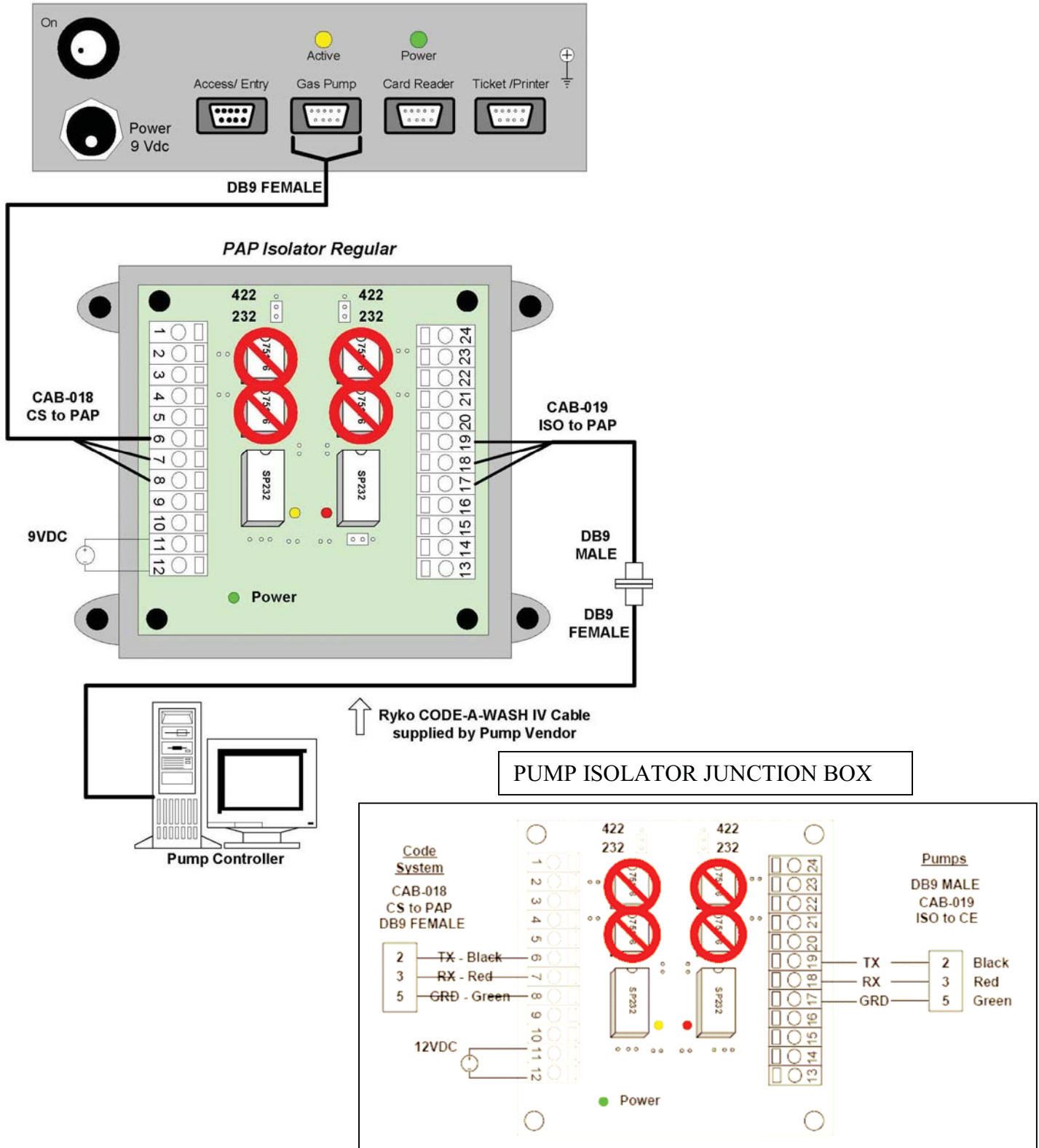
Figure 7-Connect CCI to Pump Controller.

Setup

The CCI unit displays a series of screens. The software version and serial number screens always display.

CODE AND PUMP INTERFACE SOFTWARE VERSION XX	Serial Number = XXXXXXXX (c) 2006 Kessletronics

The following screen appears (1) during new installation or (2) if unit is restarted after an extended period. When re-starting, press yes to allow expiration time for issued codes to extend for XX number of days. Enter desired number of days to extend code validation when prompted.

Off xx Days Update Code Database?   YES/NO

Setup Level Functions and Logging On

Using the Setup Level, the installer may setup the Code System for daily use. Refer to the Setup Level Flowchart for details.

- Set wash package names
- Set CCI type and sales tracking
- Set CCI address
- Erase issued codes
- Clear report sequence numbers
- Set passwords for three operators, manager and setup menu
- Set and display time and date

Setup Level Flowchart (options 1-4)

```
┌──────────────┐       ┌──────────────┐     ┌──────────────────┐     ┌────────────────────┐
│   5=Setup    │       │ 1= Wash Names│ ──► │ Select Wash      │ ──► │ Ultimate           │
└──────┬───────┘       └──────────────┘     │ Package          │     │ Change Text? YES/NO│
       │                                     └──────────────────┘     └────────┬─────┬─────┘
       ▼                                                                        │     │
┌──────────────────┐                                                          YES    NO
│ Select PassCode  │                                                           │     │
│ (8334 default)   │                                                           ▼     ▼
└──────┬───────────┘                                              ┌──────────────┐ ┌──────────────┐
       │                                                          │..............│ │Select Wash   │
       ▼                                                          │Enter New Text│ │Package       │
┌──────────────────────────────────────┐                         └──────┬───────┘ └──────────────┘
│ 1= Wash Names 2=Pump Int 3=Database   │                                ▼
│ 4=Time        5=WALS       6=More     │                         ┌──────────────┐
└──────┬───────────────────────────────┘                         │Press 'ENTER' │
       │                                                          └──────────────┘
```

Baudrate 1=19200 2=9600
3=4800   4=2400   5=1200

1=Code Length   2=Baudrate
3=Track Pump 4=Book Pump 5=Comm

1=Code Length 6
2=Code Length 5

Pump Baudrate=19200
Change Baudrate? YES/NO

Track Pump sales?
               YES/NO

Disable pump comm. when
carwash down?   YES/NO

Book Pump Codes as
Discnt. Wash?   YES/NO

1=Address 2=Code DBase
3=Clr Rep# 4=Passcodes

Ticket Header
Select item 1-6

Change Text? YES/NO

Erase All Codes? YES/NO

Select Operator number
Selection (1-5) →

Enter PassCode
Change Value? YES/NO

....
Enter New Text

Press 'ENTER'

Enter PassCode...
Enter New Value

4=Time

1=Display Date/Time
2=Enter Time 3=Date

1=Display Date/Time

2=Enter Time

3=Date

Date: 00/00/00
Time 00:00
(Military time)

Enter time ..:..

MMDDYY ../../..

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The CCI requires initial setup prior to service. This includes setting up unit address, wash package names, code database, and time. It is recommended the CCI owner complete the initial setup. When the CCI is turned on, the following screen displays:

```
Select Shift 1 – 2 – 3
4=Manager  5=Setup
```

1. To enter setup menu, press 5 at initial start up screen and enter a valid user pass code. The following screen displays:

Note: Factory default Pass Code to enter the setup mode is 8334.

```
1=Wash Name   2=Pump Int   3=DataBase
4=Time    5=WALS     6=More
```

Note: If a problem situation arises and the installer pass code is lost, the unit may be reset to the factory default. Press CLR while turning on the power. The unit asks if the unit configuration should be erased. If yes, the unit will set back to all the factory defaults including wash names, prices, and pass codes. If No, only pass codes are set to factory defaults and everything else remains the same.

```
Erase Config                              1=Config Total System
Select PassCode ⟶    .....                2=Config Passcode
```
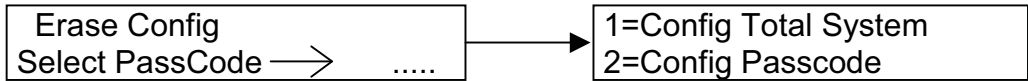
Setting Wash Package Names

1. The Code System is capable of issuing four different wash packages; names may change to be site specific. To change package names, press 1 in setup mode. The following screen displays and the lights next to each package blink.

```
Select Wash Package
```

2. To select desired wash package, press a button next to the blinking lights on the CCI console. A screen displays current package name and asks for changes.

For Example: Press the top button, Ultimate, to prompt the following screen:

```
Ultimate
Change Text?              YES/NO
```

Note: Factory default names for the wash packages are:

- **Ultimate Wash**
- **Premium Wash**
- **Deluxe Wash**
- **Express Wash**

3. To change names, press yes. The Code System prompts to enter the message. When the message is complete, press enter. Enter text into the Code System (see Basics). When all wash names are entered, press CLR to return to previous screen.

```
. . . . . . . . . . . . . . . . . . . . . . .
Enter New Text
```

Note: Pressing CLR will return to the previous screen.

4. To change console wash names, gently lift colored face up and slide nameplate out. Insert custom plate (see Figure 8).

Figure 8-Changing Wash Names on Console.

Setting Pump Int

1. Press 2=Pump Int at the setup menu.

1=Wash Name **2=Pump Int** 3=DataBase
4=Time   5=WALS   6=More

2. There are (5) categories to choose from:

1=Code Length 2=Baudrate 3=Track Pump
4=Book Pump 5=Comm

3. If 1 is pressed, the following screen appears:

1=Code Length 6
2=Code Length 5

Choose 1 if using a six-digit code; choose 2 if using a 5-digit code.

4. If 2 is pressed, the following screen appears:

Pump Baudrate=19200
Change Baudrate?   YES/NO

5. If yes, the following screen appears:

Baud rate   1=19200   2=9600
3=4800   4=2400   5=1200

6. If 3 is pressed, the following screen appears:

Track sales?
YES/NO

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Press yes to track gas pump sales or press no to NOT track sales/ wash purchase a wash is not an option.

7. If 4 is pressed, the following screen appears:

```
Book Pump Codes as
Discnt. Wash?              YES/NO
```

Discount wash is typically not required; press no. Some pump software versions do not support a discount flag. If a pump sale is a discount wash but the Code System records it as full price, press yes to override the pump software.

8. If 5 is pressed, the following screen appears:

```
Disable pump comm. when
carwash down?              YES/NO
```

Setting up the CCI Database

1. Press 3=Database at the DataBase menu.

```
1=Wash Name   2=Pump Int   3=DataBase
4=Time    5=WALS     6=More
```

2. The following screen appears:

```
1=Address   2=Code Dbase
3=Clr Rep#  4=Passcodes
```

3. To set the Code System address press 1. The following screen appears (see Figure 12):

```
Ticket Header
Select Item 1-6
```

Items 1-6 refer to the number of lines that can be edited for the machine address (see Figure 12).

Note: Line 6 does not print on the receipt. Line 5 must contain a phone number or just *Tele* appears on receipt.

Line 1 → YOUR CAR WASH
Line 2 → NAME HERE
Line 3 → 1234 Main Street
Line 4 → Anywhere, WI
Line 5 → Telephone: 123-456-7890
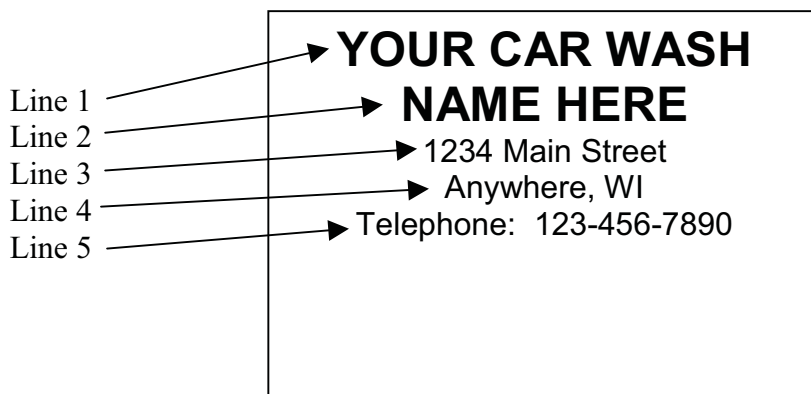
Figure 9-Machine Address.

To enter text, press number on keypad; press enter. Press CLR to return to previous screens.

Erasing Codes

1. To clear a unit's issued codes, press 2=Code DBase at the Database main menu. The following screen appears:

```
1=Address          2=Code Dbase                Erase All Codes?
3=Clr Rep#         4=Passcodes                                        YES/NO
```

2. To erase all previously issued codes, press yes.

3. To return to previous screen press no.

Report Sequence Numbers

All CCI reports are in sequential order. Only the setup person may clear the sequence numbers.

1. To clear report sequence numbers, press 3=Clr Rep# at the Database main menu.

```
1=Address          2=Code DBase
3=Clr Rep#         4=Passcodes
```
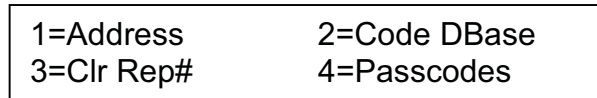
Setting Pass Codes

The operators, manager, and installer Pass Codes are set from this menu.

1. To set the pass code, press 4=Pass codes at Setup Main Menu.

```
1=Address          2=Code DBase
3=Cir Rep#         4=Passcodes
```
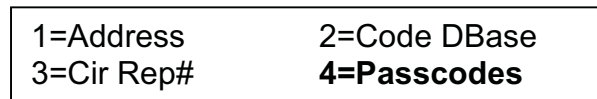
2. The Code System prompts the installer to select Operator Number for pass code. 1-3 are Operators, 4 prompts for Manager's pass code and 5 prompts for setup pass code.

```
Select Operator Number
Selection (1-5)->
```
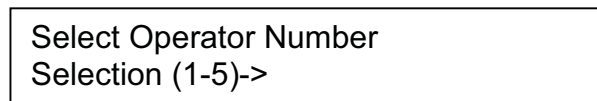
3. The installer may alter individual, operator, and manager pass codes. When an operator is selected, the Code System displays the Operator's present pass code. To change the value press yes.

```
Enter Pass Code .............
Change Value?                  YES/NO
```
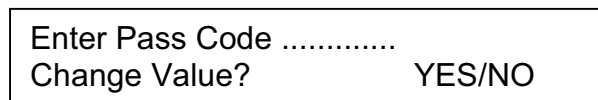
4. To change pass code, press any number key. The Code System waits for the new pass code to be entered. Pass codes can be up to four digits long. Press enter when complete and CLR to return to Setup Main Menu.

```
Enter Pass Code .........
Enter New Value
```
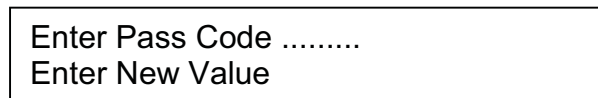
Setting the Date and Time

Using the setup menu set date and time. Only the installer can change the date entered into the unit.

1. To set date and time, select 4=Time from setup main menu.

```
1=Wash Name   2=Pump Int   3=DataBase
4=Time    5=WALS     6=More
```

2. The following screen displays:

```
1=Display Date/Time
2=Enter Time                  3=Date
```

3. To display unit's current date and time, press 1=Display Date/Time.

4. To change time, press 2=Enter Time.

```
Enter Time ----
```

Example: Time is entered in a military time format. Enter 1337 to display time as 1:37 p.m.

5. To change date select 3=Date and enter date using the number keypad.

```
MMDDYY, --/--/--
```

Note: The date can only be set in the Setup mode. The time may also be changed in the Manager's mode.

6. To return to the main operations menu, press CLR twice.

Setting up Console Sales

1. Press 6=More at the setup menu.

```
1=Wash Name   2=Pump Int   3=DataBase
4=Time    5=WALS    6=More
```

2. The following screen appears. For Console Sales, press 2.

```
2=Console Sales
3=Alarm
```

3. The following screen appears to enable/disable console sales.

```
Console Sales Inactive
Disable?                    YES/NO
```
```
Console Sales Active
Enable?                    YES/NO
```

Setting up Alarm

1. Press 6=More at the setup menu.

```
1=Wash Name   2=Pump Int   3=DataBase
4=Time    5=WALS    6=More
```

2. The following screen appears. For Alarm, press 3.

```
2=Console Sales
3=Alarm
```

3. The following screen appears to enable/disable the alarm.

```
Link Down Alarm Inactive
Enable?                    YES/NO
```
```
Link Down Alarm Active
Disable?                    YES/NO
```

<u>Testing and Verification</u>

- Ensure CCI generates codes, when User 1, 2, or 3 is logged on
- When logged on, select Report, the unit prompts and prints a shift report
- If the printer is connected codes print on receipt paper
- Ensure pumps can issue a code; note wash package
- Ensure cash register issues a code; note generated wash package
- Test codes at the Guardian. Ensure codes are valid and issue a wash. Verify the issued wash is same as the wash purchased at the pump or register.

Manager

<u>Manager Level Functions and Logging On</u>

The Manager Level provides access to Code System features required for day-to-day operation. To login as the Manager, press 4, Manager, at the Login Menu.

```
Select Shift 1 –2– 3
4=Manager   5=Setup
```

```
Enter Pass Code -> ----
```

Enter corresponding password; the factory default manager password is 1234. The Manager has the ability to:

- Set the wash package prices, discount level, and the levels/methods of taxation
- Set validation time (the amount of time a ticket can be used after the date of purchase)
- Set the text at the bottom of the customer's s ticket
- Set the passwords for the three operators and the manager
- Set and display the time
- Print sales reports

Manager's Level Flowchart

```
┌──────────────────────┐                                              ┌──────────┐   ┌──────────────────┐
│      4=Manager       │                                              │ 5=WALS   │──▶│ 1=Funds Accounts │
└──────────────────────┘                                              └──────────┘   │ 2=Package Accounts│
            │                                                              ▲          └──────────────────┘
            ▼                                                              │          ┌──────────────────┐
┌──────────────────────┐                                              ┌──────────┐   │ 1=Protect Pricing│
│ Select PassCode  →  …│                         ┌──────────────────┐ │ 4=Protect│──▶│ 2=Allow Override │
└──────────────────────┘                         │1=Package Pricing 2=Discount│     └──────────────────┘
            │                                     │3=Taxes 4=Protect 5=WALS    │   ┌──────────┐
            ▼                                     └──────────────────┘           │ 3=Taxes  │
┌──────────────────────┐                              │           │             └──────────┘
│ 1=Pricing   2=Settings│                             ▼           ▼                   │
│ 3=Time      4=Report │                ┌──────────────────┐ ┌──────────┐             ▼
└──────────────────────┘                │ 1= Package Pricing│ │ 2=Discount│    ┌──────────────┐
            │                           └──────────────────┘ └──────────┘    │ 1=TX1  2=TX2 │
            ▼                                     │           │              └──────────────┘
   ┌──────────────┐                     ┌──────────────────┐ ▼                      │
   │  1=Pricing   │                     │Select Wash Package│ ┌──────────┐          ▼
   └──────────────┘                     └──────────────────┘ │Discount 1-2│  ┌──────────────────┐
                                                  │           └──────────┘   │Give tax txt TAX  │
                                                  ▼           │              │Change Text ? YES/NO│
                                        ┌──────────────────┐  ▼              └──────────────────┘
                                        │ Ultimate  $8.00  │ ┌──────────────────┐   │         │
                                        │ Change Value?YES/NO│ │Discount 1 $1.00 │  ▼         ▼
                                        └──────────────────┘ │Change Value? YES/NO│ [YES]    [NO]
                                          │          │       └──────────────────┘   │         │
                                          ▼          ▼           │        │          ▼         │
                                        [YES]      [NO]        [YES]    [NO]   ┌──────────────┐ │
                                          │                      │            │Give tax txt…│ │
                                          ▼                      ▼            │Enter New Text│ │
                                  ┌──────────────┐      ┌──────────────────┐  └──────────────┘ │
                                  │ Ultimate …… │      │Discount 1….   0  │         │         │
                                  │Enter New Value│     │Enter New Value   │         ▼         │
                                  └──────────────┘      └──────────────────┘  ┌──────────┐    │
                                          │                                   │  Enter   │    │
                                          ▼                                   └──────────┘    │
                                  ┌──────────────┐                                 │          │
                                  │    Enter     │                                 ▼          ▼
                                  └──────────────┘                          ┌──────────────────┐
                                                                            │ rate 0.00%       │
                                                                            │Change Value YES/NO│
                                                                            └──────────────────┘
                                                                               │          │
                                                                               ▼          ▼
                                                                             [YES]      [NO]
                                                                               │          │
                                                                               ▼          │
                                                                        ┌──────────────┐  │
                                                                        │ rate ….      │  │
                                                                        │Enter New Value│  │
                                                                        └──────────────┘  │
                                                                          │        │      │
                                                                          ▼        ▼      │
                                                                        [YES]    [NO]     ▼
                                                                          │      ┌──────────────────┐
                                                                          ▼      │ #                │
                                                                        ┌──────────────────────────┐│
                                                                        │Change Text ? YES/NO      ││
                                                                        └──────────────────────────┘
                                                                               │          │
                                                                               ▼          ▼
                                                                             [YES]      [NO]
                                                                               │
                                                                               ▼
                                                                        ┌──────────────┐
                                                                        │ #…………        │
                                                                        │Enter New Text│
                                                                        └──────────────┘
                                                                               │
                                                                               ▼
                                                                        ┌──────────┐
                                                                        │  Enter   │
                                                                        └──────────┘
```

```
   ┌──────────────┐     ┌──────────────────┐
   │  2=Settings  │────▶│1=Message  2=Validation│
   └──────────────┘     │3=PassCodes       │
                        └──────────────────┘
            │                  │        │
            ▼                  ▼        │
   ┌──────────────┐   ┌──────────┐      │
   │  1=Message   │   │2=Validation│    │
   └──────────────┘   └──────────┘      │
            │                  │        │
            ▼                  ▼        │
┌──────────────────┐ ┌──────────────────┐
│Have a nice day   │ │Valid 0 Days      │
│Change text? YES/NO│ │Change Value? YES/NO│
└──────────────────┘ └──────────────────┘
   │          │         │        │
   ▼          │         ▼        ▼
 [YES]        │       [YES]    [NO]
   │         [NO]       │
   ▼          │         ▼
┌──────────────┐ │  ┌──────────────┐
│ …………        │ │  │Valid .. Days │
│Enter New Text│ │  │Enter New Value│
└──────────────┘ │  └──────────────┘
   │             │
   ▼             ▼              ┌──────────────┐
┌──────────┐               │  3=PassCodes │
│  Enter   │               └──────────────┘
└──────────┘                       │
   │                               ▼
   ▼                    ┌──────────────────┐
┌──────────────────┐    │Select Operator number│
│Come again        │    │Selection (1-4)  →   │
│Change text? YES/NO│   └──────────────────┘
└──────────────────┘             │
   │          │                  ▼
   ▼          ▼         ┌──────────────────┐
 [YES]      [NO]        │Enter Pass Code  0│
   │                    │Change Value ? YES/NO│
   ▼                    └──────────────────┘
┌──────────────┐           │        │
│ …………        │           ▼        ▼
│Enter New Text│         [YES]    [NO]
└──────────────┘           │
                           ▼
                ┌──────────────────┐
                │Enter Pass Code ….│
                │Enter New Value   │
                └──────────────────┘
```

```
   ┌──────────┐   ┌──────────────────┐   ┌──────────────┐   ┌──────────┐
   │ 3=Time   │──▶│1=Display Date/Time│──▶│ 2=Enter Time │──▶│  Enter   │
   └──────────┘   │2=Enter Time      │   └──────────────┘   └──────────┘
                  └──────────────────┘
```

```
   ┌──────────┐ ┌──────────────┐ ┌──────────────┐ ┌──────────────────┐ ┌──────────────┐
   │ 4=Report │▶│MMDD  ../..   │▶│MMDD  ../..   │▶│Printing Total Report│▶│Report copy? │
   └──────────┘ │Select Start Date│ │Select End Date│ │Please Wait       │ │     YES/NO   │
                └──────────────┘ └──────────────┘ └──────────────────┘ └──────────────┘
                                                                           │        │
                                                                           ▼        ▼
                                                                         [YES]    [NO]
                                                                           │
                                                                           ▼
                                                                ┌──────────────────┐
                                                                │Printing Total Report│
                                                                │Please Wait       │
                                                                └──────────────────┘
```

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Setting Package Names

Refer to Setup.

Setting Package Prices

The Code System allows up to four different wash packages. The full price of each wash package can be entered using the following procedures:

1. To set wash package price, press 1, Pricing, at the Manager's Main Menu screen.

```
1=Pricing        2=Settings
3=Time           4=Reports
```

2. Press 1, Package.

```
1=Package 2=Discount
3=Taxes 4=Protect   5=WALS
```

3. The Code System will flash green lights next to the wash packages. To select a wash package, press the button next to the unit's flashing lights.

```
Select Wash Package
```

4. After the wash package is selected, the Code System displays present wash price and if the value needs to be changed. To change value, select yes. If no is selected, the screen returns to Select Wash Package screen.

```
Ultimate $8.00
Change Value?      YES/NO
```

5. To change the price, enter wash price in cents.

Example: **If the wash price is $8.49, press 8, 4, and 9. Once the value is set, the unit returns to the Select Wash Package screen. To change another price, press the appropriate wash package button and repeat. Repeat as necessary. Press CLR to return to the manager's menu.**

```
Ultimate ----
Enter New Value
```

Setting Discount Levels

Each wash package can be sold at four price levels: Full price, Discount Levels, and Rewash.

1. To set the discount levels, press 1, Pricing, at the Manager's Main Menu and then 2, Discount.

```
1=Package Pricing 2=Discount
3-Taxes 4=Protect 5=WALS
```

2. The Code System prompts to select discount 1 or 2. Press discount level indicated by flashing lights on unit.

```
Discount 1-2
```

3. After the discount is selected, the Code System displays the present discount setting.

```
Discount 1    $1.00
Change Value?             YES/NO
```

4. To change the discount level, press a number key. The price is removed and a new price must be entered. Enter the discount amount in cents.

Example: If the discount amount is $2.50, press 2, 5, and 0.

```
Discount 1 ----
Enter New Value
```

5. To return to previous screen, press CLR.

Setting the Levels of Taxation

The Code System accommodates for two taxes. After the first tax is applied to the total, then add the second tax to the total.

1. To set taxation levels, press 1, Pricing at the Manager's Main Menu.

```
1=Pricing          2=Settings
3=Time             4=Reports
```

2. At the Pricing Menu, press 3, Taxes.

```
1=Package Pricing 2=Discount
3=Taxes  4=Protect  5=WALS
```

3. The Code System prompts the manager to select tax one or tax two.

```
1=TX1              2=TX2
```

4. When tax one or tax two is selected, the Code System displays present name of selected tax.

```
Give tax txt TAX
Change Text?              YES/NO
```

5. To change tax name, press any number key. Review entering text on the Code System (see Basics).

```
Give tax txt ----
Enter New Text
```

6. When tax name is correct, press ENTER. The Code System displays taxation rate in percentage.

```
TAX rate 0.05%
Change Value?             YES/NO
```

7. To change tax amount, press any number key. The Code System prompts the manager to enter tax amount in percentage. If the tax rate is set at 7.5%, the Manager must press 7, 5, and 0. Press enter when correct.

```
TAX rate ----
Enter New Value
```

8. The tax number screen displays next. To enter or change the tax number, select yes and enter the tax number. Press enter when complete and CLR to return to the Manager's Main Menu.

```
Tax# -------------------
Change Text?              YES/NO
```

Setting Price Protection

Select between protect price or price override.

1. To protect original setup pricing, select 1.

2. To allow user to override setup pricing, select 2.

```
1=Protect Pricing
2=Allow Override
```

Setting the Ticket Message

The Ticket Message text appears at the receipt's bottom; to print, use the car wash code.

1. To set the Ticket Message, press 2 Settings.

```
1=Pricing        2=Settings
3=Time           4=Reports
```

2. At the Settings Menu, press 1.

```
1=Message        2=Validation
3=Pass Codes
```

3. The Code System displays the present ticket message and asks if it needs to be changed.

Example: If the ticket message is *Have a nice day*:

```
Have a nice day
Change Text?          YES/NO
```

4. To change this message, press yes. The Code System prompts to enter the desired message. When the message is complete, press enter. Review entering text on the Code System (see Basics).

```
----------------------------------------
Enter New Text
```

There are two lines of message text available. The second line displays after the first line is changed. To change the second line, select yes when the screen prompts.

Setting the Validation Time

The Validation Time is the time a code can be redeemed at the wash after the date of sale. This is only applicable for the one-time use Wash codes.

1. To set the validation time of a car wash code, press 2, Settings, at the Manager's Main Menu.

```
1=Pricing        2=Settings
3=Time           4=Reports
```

2. At the Settings Menu, press 2, Validation.

```
1=Message        2=Validation
3=Pass Codes
```

3. The Code System displays the present value of the validation time. To change the number of days a code is valid, press yes.

```
Valid 30 Days
Change Value?         YES/NO
```

4. The Code System prompts the manager to enter the number of days a code will be valid before it expires. Enter the number of days. The unit immediately returns to the previous screen.

```
Valid --  Days
Enter New Value
```

Setting the Pass Codes

Set operator and manager pass codes from this menu.

1. To set the pass code, press 2, Settings, at the Manager's Main Menu.

```
1=Pricing            2=Settings
3=Time               4=Reports
```

2. Select Passcodes.

```
1=Message           2=Validation
3=Passcodes
```

3. The Code System prompts the manager to select the specific user: 1, 2, and 3 are users and 4 is the manager.

```
Select Operator number
Selection (1-4) ->
```

Note: If a pass code is zero, the unit will not ask for it. If a manager misplaces the pass code, reset the unit to the factory default (1234). Press CLR while turning on the power. The unit asks if the unit configuration should be erased. If yes, the unit resets to factory defaults including wash names, prices, and pass codes. If No, then pass codes are set to factory defaults.

```
Erase Config?
                YES/NO
```

4. The manager may alter manager and operator pass codes. When an operator is selected, the Code System displays the present operator pass code. To change the value press yes.

```
Enter Pass Code 0
Change Value?         YES/NO
```

5. To change the pass code, press any number key. The Code System waits for the new pass code to be entered. Pass codes can be up to four digits long. Press enter when complete and CLR to return to the Manager's Main Menu.

```
Enter Pass Code ---
Enter New Value
```

Setting the Time

1. To set the time, press 3, Time, at the Manager's Main Menu.

```
1=Pricing            2=Settings
3=Time               4=Reports
```

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2. To display current date and time press 1. To enter date and time press 2, Enter Time.

```
1=Display Date/Time
2=Enter Time
```

3. The Code System prompts the manager to enter time in a twenty-four hour format.

```
Enter Time --:--
```

4. When the time is correct, press enter. Press CLR to return to the Manager's Main Menu.

Printing Reports

To print Period Reports, use the Manager Level.

Period Reports

1. To print a Period Report, press 4, Reports, at the Manager's Main Menu.

```
1=Pricing          2=Settings
3=Time             4=Reports
```

2. The Code System prompts the manager to enter the report's start date.

```
MMDD --/--
Select Start Date
```

3. After entering start date, enter the report's end date.

```
MMDD --/--
Select End Date
```

4. When the report's end date is entered, the Code System processes sales information then prints a report. Then the Code System asks the manager if they require a copy of the Period Report. To print a second report, press yes. If a copy is not required, press no.

```
Report Copy?
                   YES/NO
```

Note: **The computer uses a round robin algorithm to track yearly sales. Each day it erases sales figures of the same day a year earlier. The unit tracks sales up to one year, in detail. This overwriting preserves internal memory space. The counters, which can not be reset, will continue to count.**

Users

User Level Functions

These are individuals who frequently interact with the Code System. Users perform the following tasks:

- Sell individual codes for wash packages at different discount levels
- Verify codes for customers that are having difficulties

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- Delete codes that are/were issued in error

- Run a user report

- Run a shift report

- Perform a status check and run a configuration report

<u>User Level Background Information</u>

To return to the previous menu, press CLR.

The Code System is designed to track the activities of three separate shifts. Each shift has an individual user number and password.

<u>User Levels Flowchart</u>
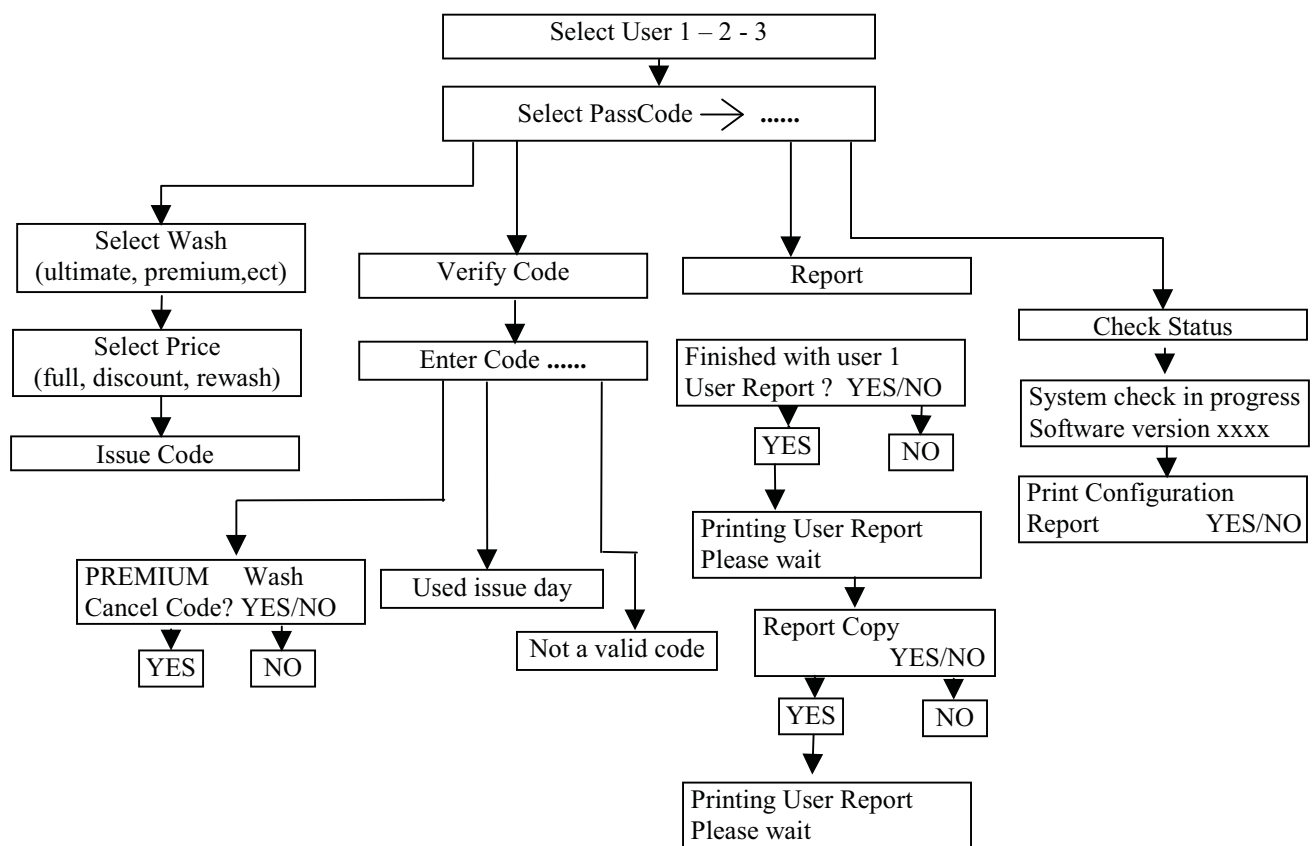
<u>Using CCI</u>

<u>Logging In</u>

1. Using the correct user number, log-in. The user numbers for the sales operators are one, two and three.

Select User 1 – 2 – 3
4=Manager   5=Setup

2. When the user number is entered, the Code System prompts the user to enter the corresponding pass code. Each user number has a corresponding pass code that can be set in the Manager's Level.

> Enter Pass Code -> ---

Note: The factory default pass code is 0. If the pass code is set at 0, the Enter Pass Code Screen will not display.

3. After the user logs-in, codes can be sold, verified or canceled.

Selling Codes

1. In common C-store installations, when Pay at Pump is used, wash codes are sold through the register. Please refer to the instruction manuals for your stores cash register.

Note: To sell codes through the CCI console you must be logged in as user one, two, or three.

2. The Code System prompts the user to select the wash package to be sold. There are four wash packages at four price levels.

> Please make a selection
> VVV   VVV   VVV

3. There are three steps a user must complete to issue a wash code (see Figure 15).

    a. Press the desired wash package on the keypad. Indicator lights illuminate, depicting the pushed key.

    b. Press the desired pricing level key. There are four possible price levels:

    - Full Price

    - Discount 1

    - Discount 2

    - Rewash

    c. Press the ISSUE CODE key.

4. The Code System prints a receipt with the code number and displays the code number on the screen. A rewash is only valid for 1 day. If the Optional printer is not used you will need to write the code down for the customer.
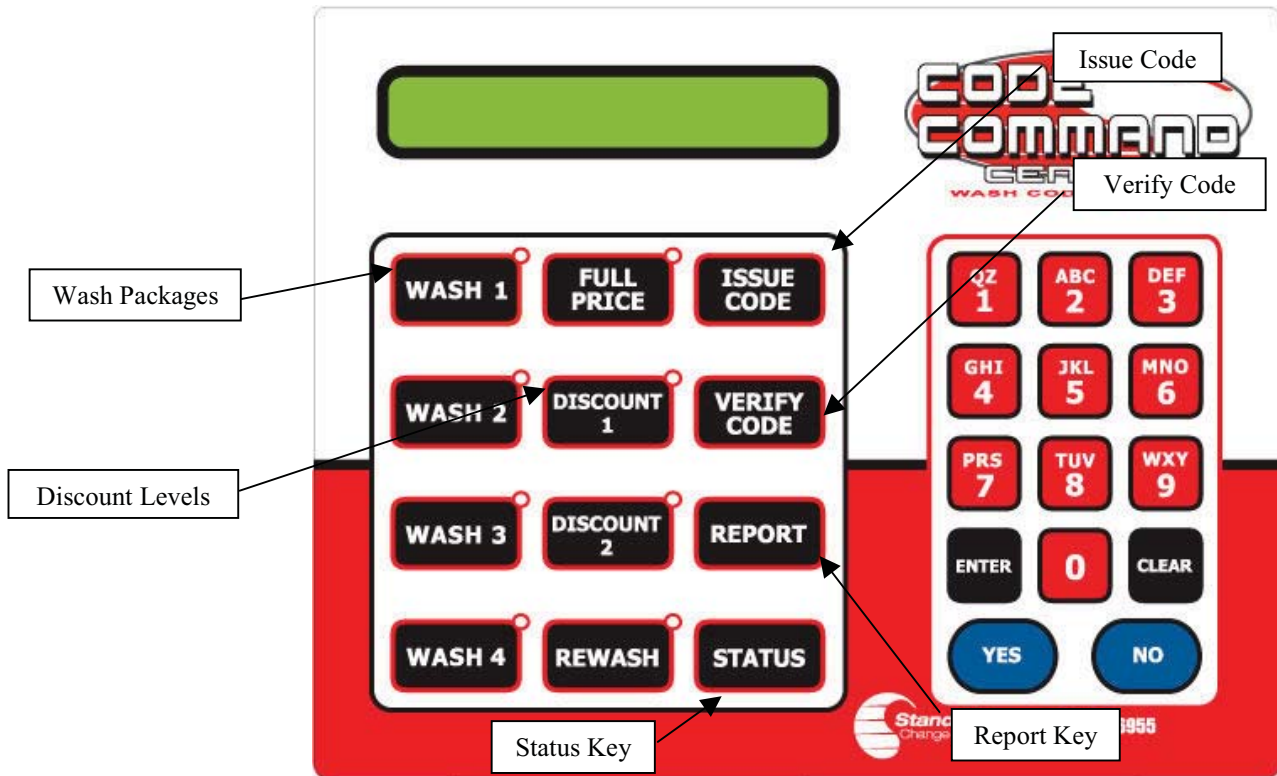
Figure 10-Code Key Locations.

<u>Verifying and Canceling Codes</u>

1. Sold Codes are verified through the User Main Menu. To start the Verification Menu, press the Verify Code key (see Figure 15).

2. If Verify Code is pressed the Code System prompts the user to enter a code for verification.

> Enter Code ------

3. After a code is entered, the Code System responds with a similar message. This message indicates the code is valid and the assigned wash package to the code. To cancel the code and return to the wash selection screen, press yes. To leave the code valid and return to the wash selection screen, press no.

> Ultimate   Wash
> Cancel Code?   YES/NO

This message indicates the code was used a certain number of days after it was issued.

> Code Used after XX days

This message indicates the code was used the same day it was issued.

> Used issued day

Logging Out

Note: After User 3 prints its report, the unit prints a daily total report. This is the total report for all users, 1, 2, and 3. All User Reports clear automatically once they are printed.

1. To log out of the User Level, press the Report key. The Code System displays the following message:

Finished with User 3	
User Report?	YES/NO

2. To log out and print a user report, press yes. To log out without printing a shift report, press no. If a shift report was printed, the user is asked to print a copy. To return to the main menu, press no or yes. Optional printer is required. If printer is not used, select *No* for reports.

3. If "No" is answered unit will not clear shift sales counters. Shift is not closed yet. This might be needed if access to manager or Setup mode is needed during the shift. User can then log back on and continue shift. Shift is closed when User report is printed and no is answered for copies (see Figure 17).

4. If *PAP Tracking* is on the unit automatically prints a copy of PAP report during the shift/user time. These are sold gas pumps washes while the user is logged on (see Figure 18).

```
Date: 06/17/10      Report number: 13
Time: 14:30:29       Totals User  : 3

          Full  Disc 1  Disc 2  Rewash
            0      0       0       0
WASH 1          $     .00
            0      0       0       0
WASH 2          $     .00
            0      0       0       0
WASH 3          $     .00
            0      0       0       0
WASH 4          $     .00
                              -----------
Total sales                 $     .00

Codes Redeemed 0
TAX received   $     .00
Cash received  $     .00
```

Figure 11-User/Shift Report.

<u>Status</u>

This key explains the unit status. If the status key is pressed, the unit tests the lights and buzzer, shows the software version, and asks to print a configuration report (see Figure 16). When optional printer is available, configuration report can be printed on paper (see Figure 19).

```
        Configuration
           Report

        YOUR CAR WASH
          NAME HERE
      1234 Main Str, Anywhere WI
          Tel.123-456-7890


Software revision   : 3.05
Serial number       : 09030028-0712
Validation Time     : 30

Footer message 1    : Have a nice day
Footer message 2    : Come Again

WASH 1              : $   4.00
WASH 2              : $   3.00
WASH 3              : $   2.00
WASH 4              : $   1.00
Discount 1          : $   1.00
Discount 2          : $   2.00

Tax1                :   .00 % TAX
Tax1 Registration # :
Tax2                :   .00 %
Tax2 Registration # :
Tax2 Compounded     : NO

Pump protocol detect: None detected
Track pump sales    : NO
Discount pump sales : NO

POS type            : SERVER
WALS not activated  :
```

Figure 13-Configuration Report Printout.

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Troubleshooting

PROBLEM	SOLUTION
CCI console is timing out; displaying error:	
	Ensure correct baud rate is used with pump.
	Ensure all connections and pin outs are correct.
	Select CODE COMMAND in GXP POS Settings.
CCI console is not on:	
	Check monitor lights on console. Ensure that the green power light, located on back of CCI unit, is on.
Wash Code cannot be redeemed at GXP	
	• Make sure CODE COMMAND is selected in the GXP POS Settings. •Check cable connections from entry unit to CCI console. Look at the Configuration Report.
The unit is not communicating with gas pumps:	
	Ensure Pump system is set up to communicate with Ryko Codawash protocol. Ensure correct code length is used. Some pumps only support 5 digit long codes. Ensure red light, located on back of CCI console (I/O board), is flashing. Ensure right adapter and cable pin-out is used to connect pump interface to CCI.

Operating Carwash Alarm

Note: To enable/disable carwash alarm settings, see the Setting up Alarm section.

If carwash alarm is beeping, the following screen appears on the CCI console:

> Carwash link down
> Hit any key to continue

If the user presses any button, the alarm will stop. This alarm will occur when ever the GXP is offline. This includes when you are in the GXP menu.

Note: Users WILL still be able to issue, or verify CCI codes from the CCI console.

Changing the Program Memory Software

To occasionally update the CCI software, the user must change the Main processor board with software and memory. Follow these steps to change software.

Note: **To prevent from losing data, load data PRIOR to changing memory chip; after changing chip, reload data.**

Note: **All the set up data and issued wash codes are saved on the memory of the main processor board. To prevent losing issued wash codes, use the Code Upload feature under web browser/tools menu (see Access Entry Unit manual). The Code download process is a few hours.**

1. Record set up information. This is receipt info, wash package names, pricing etc. This data will need to be re-entered after chip change.
2. Turn the power off to the CCI and remove the bottom cover.
3. Locate the Program Memory Chip, U9 (see Figure 20).
4. On each side of the chip, press down on the metal retainers. The chip will pop up.
5. Remove the chip and insert the new one. Press down until the retainers hold it in place.
6. Turn power on to the CCI and verify the CCI console starts up and verify the version of software.
7. Replace the bottom cover once this has been verified and everything works.
8. Reset serial number by turning power of and then turning it on by holding 1-key on the keypad. Unit will ask serial number. This should match the last 4-digits on the serial label on the unit.
9. Re-enter set up information into unit memory. This is package names, pricing, receipt info, PAP set up, pass codes etc.
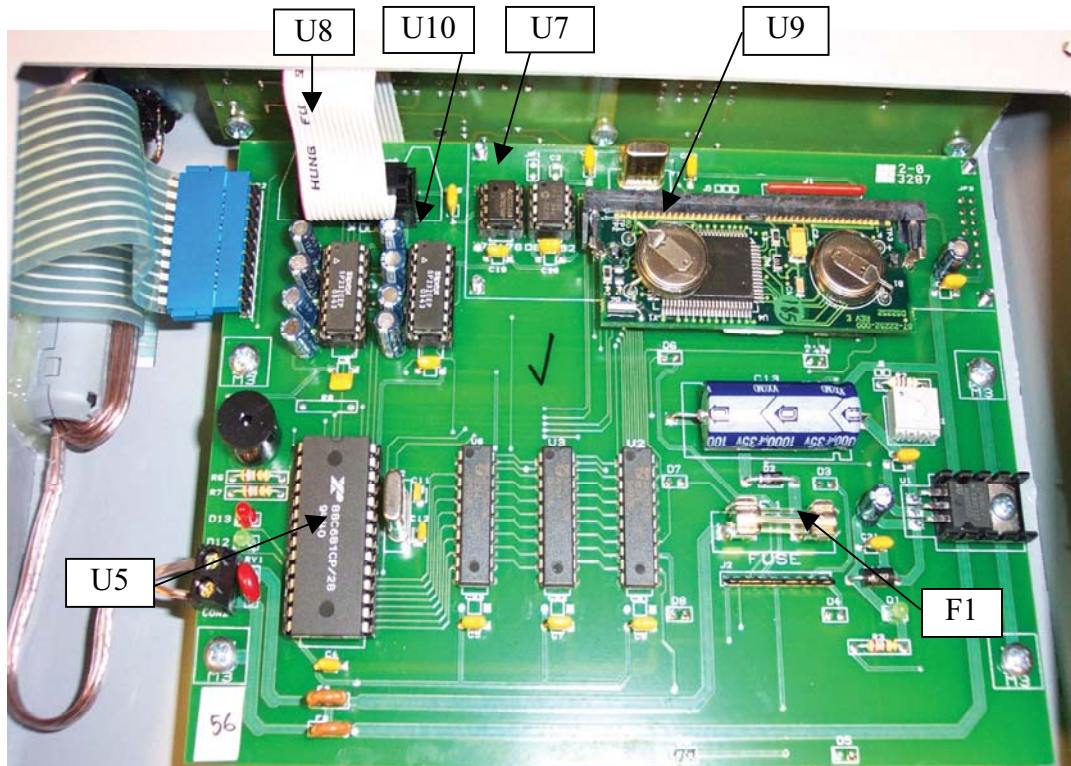

Figure 14-Code Command I Board.

REPLACEABLE PART	FUNCTION DESCRIPTION
RS-232 CHIP	U8...Controls communication to the printer and pump.
	U10...Currently not used (interchangeable with U8).
RS-485 CHIP	U7...Controls communication to GXP.
PROGRAM MEMORY CHIP (DALLAS CHIP)	U9...This is the CPU and controls all data, memory and time functions.
DUART CHIP	U5...Driver for printer and pump.
FUSE	F1...This controls the power to the Local CMM.

Typical Baud Rate Settings

The CCI Code System uses a Baud rate to communicate with external devices through its COM ports.

DEVICE TYPE	BAUD RATE	PARITY	DATA SIZE
CS CLIENT	19200	NONE	8
PAP STANDARD*	19200	NONE	8
PAP BULLOCH	2400	NONE	8
PAP GENERIC	9600	NONE	8
PLC	9600	EVEN	7
PDQ LASER	9600	NONE	8
PRINTER	19200	NONE	8
BARCODE SIM	19200	NONE	8
CARD READER	19200	NONE	8

* PAP STANDARD CANADA *(see below for PAP STANDARD U.S.)*

At the current time, the CCI Code System can connect with the following external POS systems.

PAP STANDARD U.S.

DEVICE TYPE	BAUD RATE	PARITY	DATA SIZE
WAYNE DRESSER	19200	NONE	8
GILBARCO	2400	NONE	8
PANASONIC	9600	NONE	8
SUNTRONIC	2400	NONE	8
VERIFONE (RUBY)	9600	NONE	8
ALLIED	9600	NONE	8
RETALIX	19200	NONE	8
GILBARCO G PASSPORT	19200	NONE	8

Standard Change-Makers, Inc.

3130 N. Mitthoeffer Road

Indianapolis, IN 46235

Toll Free: 1-800-968-6955

Phone: 317-899-6966

Fax: 317-899-6977

Web Site: www.standardchange.com

FOR SERVICE OR TECHNICAL SUPPORT:

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