



# HAMILTON

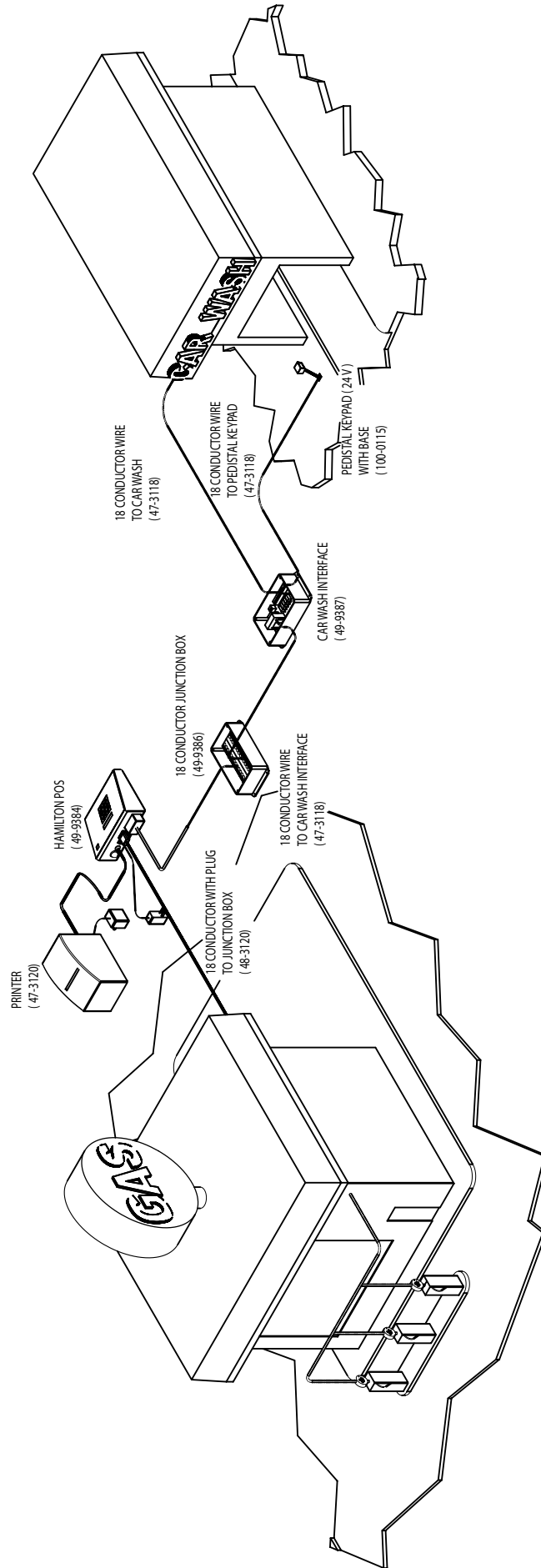
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## Hamilton Code System 1 Programming Guide

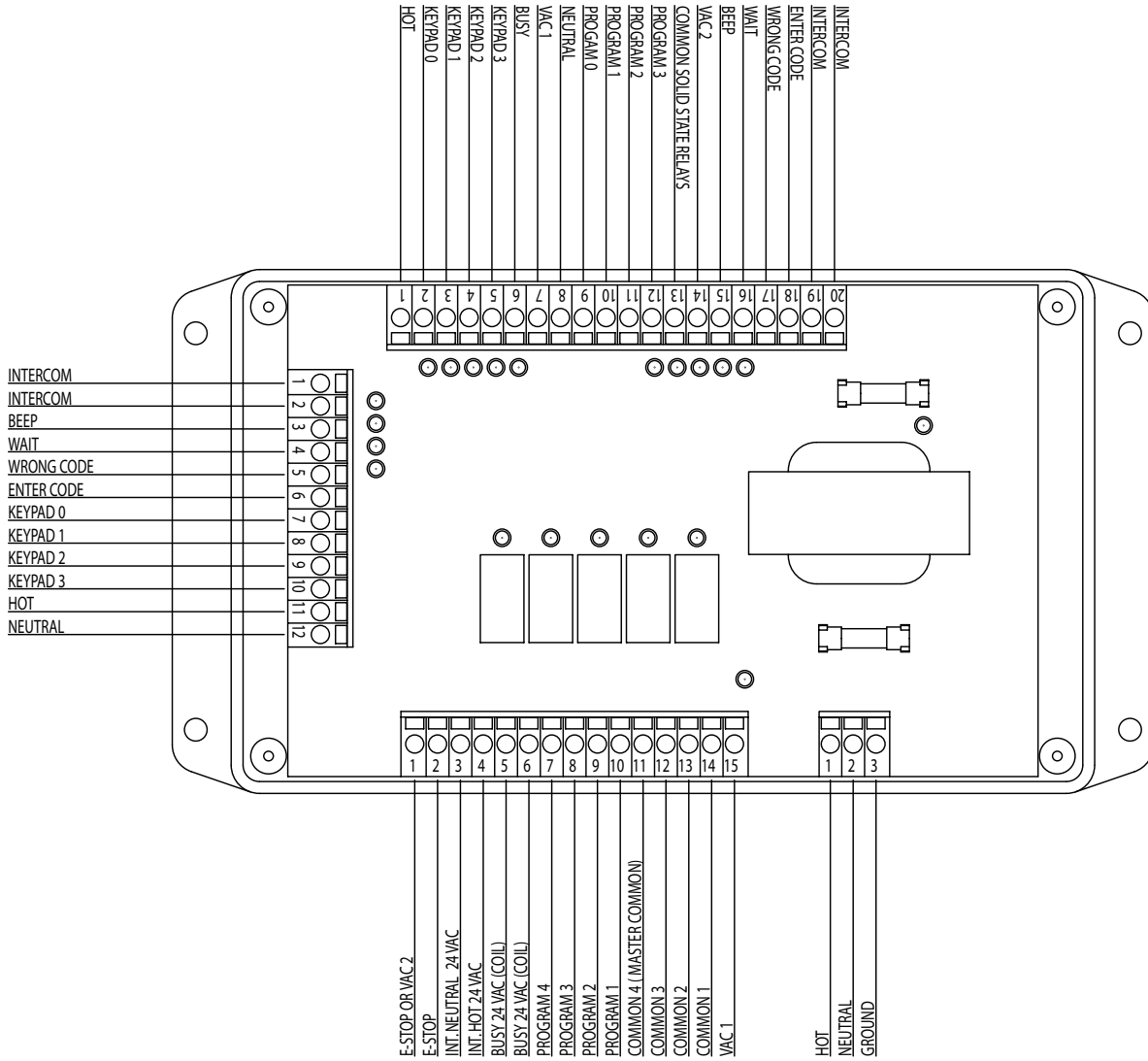
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# HCS SYSTEM | OVERVIEW



# SYSTEM 1 CAR WASH INTERFACE



CAR WASH INTERFACE  
(49-9387)

# **HCS1 Operator/Manager Definitions**

The Hamilton Code System 1 is designed with 3 levels of programming “Operator”, “Manager” and “Installer”. In both the “Operator” and “Manager” levels the programming menus are abbreviated. In this section we are going to identify these abbreviations and what they mean.

The first level is the “Operator Menu”

1 = Sl (Sales): This feature lets the Operator sell the code at a regular or discounted price.

2 = Flt (Fleet Sales): This feature lets the Operator sell a Pre-paid or Credit Fleet Code.

3 = Vr (Verfy): Allows you to verify a Code, Fleet Code and Car Wash status.

Note: The options in the “Verify” menu are also abbreviated.

1 = Cd (Code): This option is selected to actually enter a Code or Fleet Code for verification.

2 = Mon (Money): This option is not applicable.

3 = CW (Carwash): This option is selected to confirm the status of the Keypad outside the at the car wash whether it is open or closed.

The second level is the “Manager Menu”

1 = PR (Pricing): This gives the “Manager” the option to change Wash Prices, Wash Discounts and Taxes.

Note: The options in the “Pricing” menu are also abbreviated.

1 = OPT (Option): This is selected to change a wash price or add a wash price.

2 = DSC (Discount): This is selected to change or add a wash discount.

3 = TX (Tax): This is selected to change or add the tax percentage for the wash packages.

2 = SET (Settings): Gives the options for Welcome Msgs, Validation Time, Passwords and the option to turn Fleet Accounts on or off.

Note: The options in the “Settings” menu are also abbreviated.

1 = MSG (Messages): This setting allows the manager to program a Welcome message.

2 = VT (Validation Time): This setting allows the manager to program how many days the wash code will be valid.

3 = PW (Password): This setting allows the manager to program a password for each of the 3 operators and a manager.

4= FL (Fleet Sales): This setting allows the manager to enable or disable fleet sales.

3 = TM (Time & Date): Allows the manager to set the time and date.

4= RP (Reports): Gives the manager the option to print a Period Report and a Fleet Report.

# Manager Level

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In this section we will discuss how to program the “Manager Level” of the Hamilton Code System 1. This is a list of the different options we will be programming in the “Manager Level”.

- Wash Pricing (p.8)
- Discounts (p.8)
- Taxing (p.9)
- Welcome Messages (p.9)
- Validation Time (p.11)
- Passwords (p.11)
- Fleet Sales (p.12)
- Time & Date (p.12)
- Reports (p.13)

**Note: When reading the program instructions for each programming option it will start with “Operator Number” which will be displayed on the Code System.**

## **SET WASH PRICES - Allows Operator to set a price for a wash**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 1PR for Prices
- Select 1 = OPT for Wash Packages
- The screen will display “SELECT OPTION”
- Select the number on your keypad corresponding with the wash you want to change. (Example Press button 1 for wash 1)
- Then select the amount for the wash. (Example: for \$5.00 enter in 500 cents) Note: all pricing is done in cents. (Note: The first number that you enter will clear the screen and then enter in the amount required in cents).
- Press Enter
- Press DEL to go back to the menu or press DEL 3 times for the Main Menu

## **SET DISCOUNTS - Allows Operator to set a discount for a wash**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 1PR for Prices
- Select 2 = DSC for Discount
- Press button 2 or 3
- Enter in the amount of discount. Note: By entering 999 this will allow for a free wash.
- Press DEL to go back to the menu or press DEL 3 times for the Main Menu.

## **SET TAXES - Allows Operator to set taxes**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 1PR for Prices
- Select 3 = TX for Taxes
- 1= TX1 and 2 = TX2 Select one of the two by pressing button 1 or 2.
- Enter “Give tax txt”
- Enter “rate 0.00%”
- Enter tax code #
- Press DEL to go back to the menu or press DEL 3 times for the Main Menu

## **SET MESSAGES - Allows Operator to set footer messages**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 2SET for Settings
- Select 1MSG for Messages
- Press 1 to have a clear screen.

**NOTE: When programming your messages all the numeric buttons on the Code System are assigned three letters, upper and lower case and a number as shown in the chart below. When you choose the button you want you must hold it down until the appropriate letter or number appears. Once you let go it automatically moves to the next position.**

1 = Qq, Zz, M-, 1  
2 = Aa, Bb, Cc, 2  
3 = Dd, Ee, Ff, 3  
4 = Gg, Hh, Ii, 4  
5 = Jj, Kk, Ll, 5  
6 = Mm, Nn, Oo, 6  
7 = Pp, Rr, Ss, 7  
8 = Tt, Uu, Vv, 8  
9 = Ww, Xx, Yy, 9  
0 = ., ,, 0

To enter text, follow these instructions using the the chart above. Select the numbered button for the letter you want to enter. Example: to enter “Thank You”

Press the #8 button for the letter “T” \_\_\_\_\_  
Press and hold the #4 button until the lower case “h” appears “Th\_\_\_\_\_”  
Press and hold the #2 button until the lower case “a” appears “Tha\_\_\_\_\_”  
Press and hold the #6 button until the lower case “n” appears “Than\_\_\_\_\_”  
Press and hold the #5 button until the lower case “k” appears “Thank\_\_\_\_\_”  
Press and hold the #0 button until the blank space appears “\_” “Thank\_\_\_\_\_”  
Press and hold the #9 button until the upper case “Y” appears “Thank Y\_\_\_\_\_”  
Press and hold the #6 button until the lower case “o” appears “Thank Yo\_\_\_\_\_”  
Press and hold the #8 button until the lower case “u” appears “Thank You”

- Press Enter to save message.
- Press DEL to go back to the menu or press DEL 2 times for the Main Menu.

## **SET VALIDATION TIME - Allows Operator to set how long code is valid for.**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 2SET for Settings
- Select 2VT for Validation Time
- It will display “Valid 30 Days”
- Enter the number of days
- Press “Enter”
- The display will ask “ADDVT to PAP?” (Add “Validation Time” to “Pay at Pump”)
- Press “1” for “YES”/”0” for “NO”
- Press DEL to go back to the menu or press DEL 2 times for the Main Menu.

## **SET PASSWORDS - Allows Operator to set passwords for Shifts and Manager.**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 2SET for Settings
- Select 3PW for Passwords
- The screen will display “Select OPER. 1-4”
- Press 1
- It will display “PASSWORD...”
- Enter in any four digits for that “Operator” Note: 1-3 are for your “Shift Operators” and 4 is for the Manager.
- Press DEL to go back to the menu or press DEL 3 times for the Main Menu.

## **ENABLING/DISABLING FLEET SALES - Allows Operator to enable or disable fleet sales.**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 2SET for Settings
- Select 4FL for Fleet Sales
- The display will show “1 = FLEET 2 = NO FLEET” Note: 1 will enable fleet sales and 2 will disable fleet sales. Once you have selected 1 or 2, the screen will automatically return to previous screen.
- Press DEL to go back to menu or press DEL 2 times for the Main Menu

## **DISPLAYING THE TIME - Allows Operator to Display time.**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 3TM for Time & Date
- The display will show “1 = DISPLAY 2 = TIME” Note: Selecting #1 will only display the time and date on the Code System.
- Press DEL to go back to the menu or press DEL 2 times for Main Menu

## **SETTING THE TIME - Allows Operator to set the time.**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 3TM for Time & Date
- The display will show “1 = DISPLAY 2 = TIME
- Select #2
- The display will show “ENTER TIME ..-.” Note: This is **MILITARY TIME**.
- Press DEL to go back to the menu or press DEL 2 times for the Main Menu

## **PRINTING A PERIOD REPORT - Allows Operator to print a period report.**

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 4PR for Print Report
- The display will show “1 = Period 2 = Fleet”
- Select #1 for Period Report
- The display will show “FR (FROM) MM(MONTH) DD(DAY) ../..” Enter the month and day where you want the report to start from. Once this is done the display will show “TO (END) MMDD ../..” At this time enter the month and day where you want the report to end. The display will show “Calculating Report” for a brief moment and then change to “Printing Report”. After completion it will ask to print a “Report Copy”. Press 1 for YES or 2 for NO.

## **PRINTING A FLEET REPORT - Allows Operator to print a fleet report.**

Note: This report can only be generated if fleets sales are Enabled.

- “Operator Number”
- Select #4
- Password 1234 (DEFAULT)
- Select 4PR for Print Report
- Select #2 for Fleet Report
- Selecting #1 will print all Fleet Codes that have been issued, but not necessarily used.
- Selecting #2 will print all used Fleet Codes that were accepted at the keypad
- The display will show “Report Copy”. Selecting #1 will print a copy.
- The display will show “1 = CLEAR POST PAY” this will reset all “POST PAY” sales to zero.

Note: At both the “Report Copy” and “CLEAR POST PAY” screens by selecting #0 it will take you to the main menu

# **OPERATOR LEVEL**

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## **SELLING CODES - Allows Operator to sell a code.**

**NOTE: To sell or verify codes you must be logged in as an “Operator” 1,2,or 3**

- Select 1,2,or 3 depending on the “Operator”
- Enter the password if one has been assigned.
- Select 1 = SLS (Sales of a Wash)
- Select the number of the wash package 1,2,3, or 4
- The display will show “SELECT DISCOUNT” you have 3 discount levels to choose from 1 = FULL PRICE, 2 = WITH GAS, and 3 = FREE
- To choose a discount, select the corresponding number with that discount as shown above.

Once this is done the wash code will appear on the display, and at the same time it will print a copy of the code for use at the keypad

## **SELLING PRE-PAY FLEET CODES - Allows Operator to sell a Pre-Pay Fleet code.**

- Select 1,2, or 3 depending on the “Operator”
- Enter the password if one has been assigned.
- Select #2 = FLT (Fleet Sales)
- Select the number of the wash package 1,2,3, or 4
- 1 = Prepay the screen will show “PRICE/WASH .....” Type in the price for the wash (in cents) press “ENTER”
- The screen will ask for “QUANTIY” Type in the amount of washes the customer wants, press enter.
- The display will show “MULTIPLE CODES” (Prints random codes) select 1 = YES or 0 = NO. At that time a PRE-PAY Fleet code is issued.

**SELLING CREDIT FLEET CODES - Allows Operator to sell a Credit Fleet code.**

- Select 1,2 or 3 depending on the “Operator”
- Enter in the password if one has been assigned.
- Select 2 = FLT (Fleet Sales)
- Select the number of the wash package 1,2,3, or 4
- Select PREPAY or CREDIT
- 2 = Credit the screen will automatically issue the Fleet Code.

**VERIFYING CODES - Allows Operator to verify a code.**

- Select 1,2, or 3 depending on the “Operator”
- Enter the password if one has been assigned.
- Select 3 = VR (VERIFY)
- Select 1 = CD (VERIFY CODE)
- Display will show “ENTER CODE”
- Enter the digit code you want to verify.
- If the code is good, then the display will show “1 = START 2 = DELETE”
- If the code has been used the display will show “USED ISSUED DAY”
- If the code is invalid the display will show “CODE IS EXPIRED”

Note: If a Prepay fleet code is being verified with the code system it will display “FLEET 1 #10”, which is for the order that the fleet code was issued and the number of washes left.

Note: If a Postpay (Credit) fleet code is being verified the code system will display “DEBIT 3 #0”. This is for the order the fleet code was issued and the number of washes used.

Note: When you are deleting a Prepay or Postpay fleet account and you select “#2” for delete. If you have your printer connected to your system you will receive a “Notice of Cancellation” from the system at your printer. At this point the account has been deleted from the system.

# **HCS1 INSTALLER DEFINITIONS**

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In this section, we are going to identify the abbreviations used in the Installer programming section of the HCS 1.

1 = CWD (Car Wash Definitions) Allows you to define the wash packages by name, define wash programs, define wash outputs and define car wash interface.

1 = OPT (Define wash package by names)

2 = TK (Ticket Definition)

3 = OV (Output Value)

4 = CI (Car Wash Interface)

1 = MI (Machine Interface)

1 = ST (Kesseltronics standard)

2 = 1SH (Start the Car Wash with a pulse)

3 = PLS (Start the Car Wash with 1 pulsing output)

2 = STK (Turn stacking feature on/off)

3 = Timers (set code system reset timer and busy delay)

1 = RTM (Reset Timer)

2 = BDT (Busy delay timer)

3 = SFT (System free timer)

2 = KP (Keypad Functions)

3 = DB (Database)

1 = ADR (Set up address that is displayed on the ticker)

2 = Cdb (Code database { clear codes and set the fixed code })

1 = FX Cd (Fix Code)

2 = CL Cd (Clear Code)

3 = HC (Printer Set-up)

1 = STR (Star DP8340 and SP200 [Standard Printer])

2 = T88 (TM-88 Thermal Printer)

3 = SP (Star SP216 [one color ribbon])

4 = TM (Set time and date)

1 = DSP (Display current time and date)

2 = TM (Change the time)

3 = DAT (Change the date)

# INSTALLER LEVEL

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In this section we will discuss how to program the “Installer Level” of the Hamilton Code System 1. This is a list of the different options we will be programming in the “Installers Level”.

- Car Wash Options (p.19)
- Define Wash Packages (p.19-20)
- Define All Outputs (p.20)
- Timers (p.21)
- Code Database (p.22)
- Printer (p.22)
- Enable Slave Option (p.22)
- Ticket Footer (p.23)

This section specifies what options are available in the Car Wash.

### **CAR WASH OPTIONS - Allows Operator to name a wash.**

- “Operator Number”
- Select #5
- Password 0108
- Select 1CWD
- Select 1OPT
- “Give option 1-9”
- Select 1 for wash 1
- Enter wash package name

Example: To enter in the package name “Basic”

Press and hold the #2 button until the upper case “B” appears “B \_ \_ \_ \_”

Press and hold the #2 button until the lower case “a” appears “Ba \_ \_ \_”

Press and hold the #7 button until the lower case “s” appears “Bas \_ \_”

Press and hold the #4 button until the lower case “i” appears “Basi \_”

Press and hold the #2 button until the lower case “c” appears “Basic”

Press “Enter”

### **DEFINE WASH PACKAGES - Allows Operator to define a wash name to a wash package.**

- “Operator Number”
- Select #5
- Password 0108
- Select 1CWD
- Select 2TK
- “Give program 1-9”
- Ticket 1 Def 1 (Press Enter)
- “Give program 1-9”
- Ticket 2 Def 2 (Press Enter)
- “Give program 1-9”
- Ticket 3 Def 4 (Press Enter)

- “Give option 1-9”
- Ticket 4 Def 8 (Press Enter)
- Press DEL to go back to menu or press DEL 5 times for the Main Menu

**DEFINE ALL OUTPUTS - Allows Operator to define the relay to the wash package.**

- “Operator Number”
- Select #5
- Password 0108
- Select 1CWD
- Select 3OV
- “Give program 1-9”
- Prgr 1 Def 1 (Press Enter)
- “Give program 1-9”
- Prgr 2 Def 2 (Press Enter)
- “Give program 1-9”
- Prgr 3 Def 4 (Press Enter)
- “Give program 1-9”
- Prgr 4 Def 8 (Press Enter)
- Press DEL to go back to menu or DEL 5 times for the Main Menu

## **DEFINE CAR-WASH INTERFACE - Allows Operator to define the Car Wash Interface.**

- “Operator Number”
- Select #5
- Password 0108
- Select 1CWD
- Select 4CI
- Select 1MI
- Select 1 = ST (Kessletronics Standard)

Note: 2 = 1SH (Start the car wash with a pulse)  
3 = PLS (Start the car wash with 1 pulsing output)

Use 2 = 1SH for PDQ Laserwash 4000 and 3 = PLS for machines that has limited inputs free on their PLC.  
Program a counter inside the PLC that counts the pulses.

## **TIMERS - Allows the Operator to set a timer if not stacking washes.**

- “Operator Number”
- Select #5
- Password 0108
- Select 1CWD
- Select 4CI
- Select 3Timers

Note: The Timers are used if the Carwash Owner is not using the stacking feature. This will allow the operator to set a time for the Tunnel wash to reset after the car has left the bay. There are three settings.

1RTM (Reset Timer) Ther reset timer is used to reset the code tracker when a busy signal is not received from the Carwash. Example: Customer enters a code and then decides to leave without washing their car. Set time for 120(seconds)

2BDT(Busy Delay Timer) This is used to delay the busy signal. Example: This is used when the treadle switch is used as the wash signal. You do not want to use the busy delay when the rear wheel hits the switch for a small period of time. This will give a manual start count. Set time for 5(seconds)

3SFT (System Free Timer) The System free timer will make the buzzer in the outside console go on when the carwash is ready to accept another wash. The buzzer will go the length of the timer. 3(seconds)

**Note: On all new installs this procedure is mandatory to take place to clear all codes and initialize memory**

**CODE DATABASE - Allows Operator to clear the code database and initialize memory.**

- “Operator Number”
- Select #5
- Password 0108
- Select 3DB
- Select 2CDB
- Select 2 = CLCD
- Select 1 = ERASE

**DEFINE PRINTER - Allows Operator to define printer type.**

- “Operator Number”
- Select #5
- Password 0108
- Select 3DB
- Select 3HC
- Select 2 = T88 (TM-88 Thermal Printer)

Note: Once you select the T88 then the next screen will ask you to select the baud rate

- Select 2 = 9600

Note: Most frequently used baud rates for these POS printers is 9600 Baud.

**ENABLE SLAVE OPTION - Allows Operator to enable a secondary unit.**

- “Operator Number”
- Select #5
- Password 0108
- Select 2KP(Keypad functions)
- 1 inside (Console type)
- Select 2SLAV

**TICKET Header - Allows Operator to create a message at bottom of ticket.**

- “Operator Number”
- Select #5
- Password 0108
- Select 3DB
- Select 1 = Adr
- “Select Item 1-6”

Note: You have 6 lines to enter text

Example: to enter “Welcome”

Press the #9 button for the letter “W” \_ \_ \_ \_ \_

Press and hold the #3 button until the lower case “e” appears “We \_ \_ \_ \_ \_”

Press and hold the #5 button until the lower case “l” appears “Wel \_ \_ \_ \_ \_”

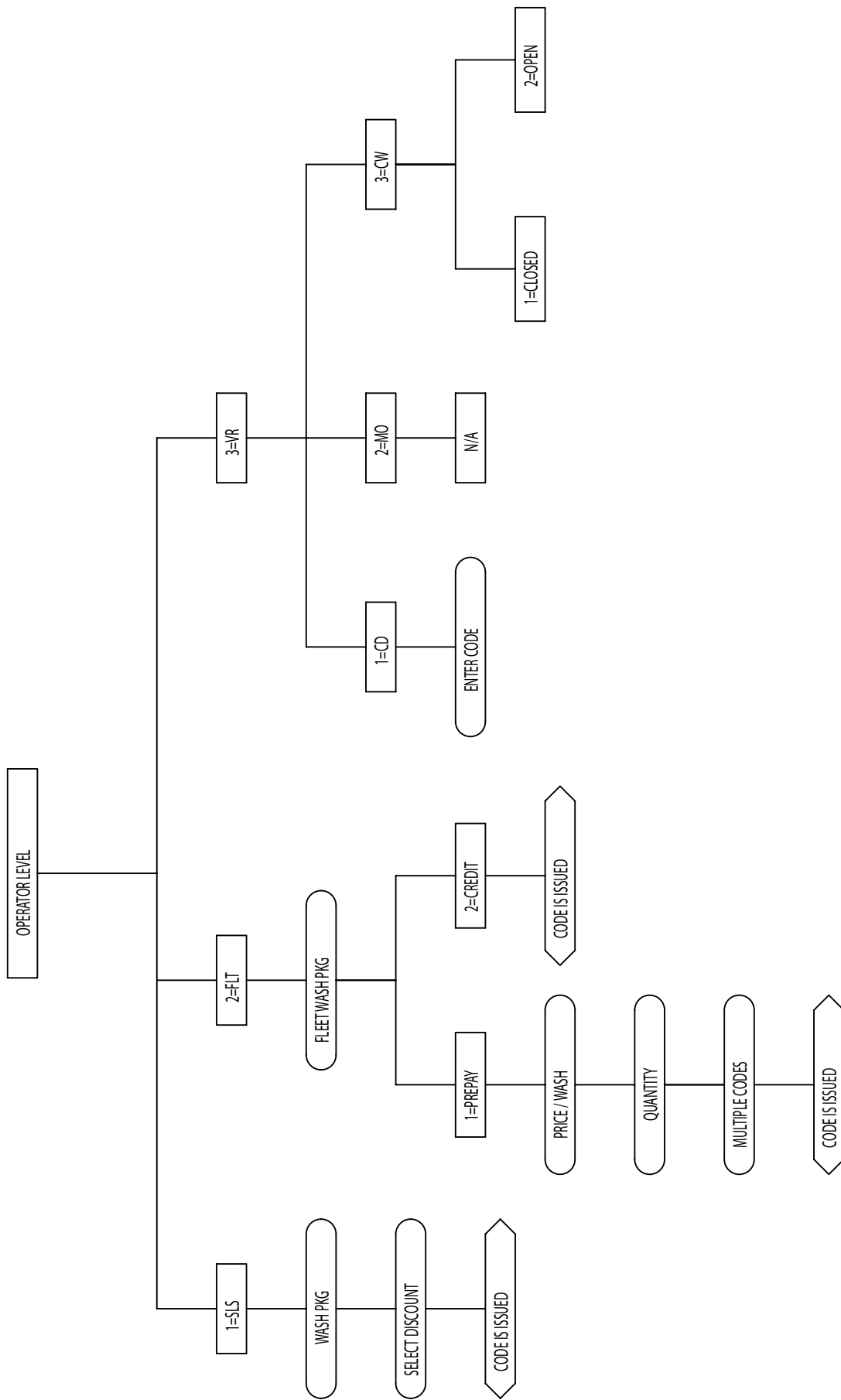
Press and hold the #2 button until the lower case “c” appears “Welc \_ \_ \_ \_ \_”

Press and hold the #6 button until the lower case “o” appears “Welco \_ \_ \_ \_ \_”

Press and hold the #6 button until the blank space appears “m” “Welcom \_ \_ \_ \_ \_”

Press and hold the #3 button until the upper case “e” appears “Welcome”







# LIMITED WARRANTY AGREEMENT OF HAMILTON MANUFACTURING CORP.

Hamilton Manufacturing Corp., an Ohio Corporation, (“Seller”) warrants to Purchaser that all new equipment shall be free from defects in material and factory workmanship for a period of one (1) year from the original shipping date. Hamilton Manufacturing Corp. further warrants if any part of said new equipment in Seller’s sole opinion, requires replacement or repair due to a defect in material or factory workmanship during said period, Seller will repair or replace said new equipment. Purchaser’s remedies and the liabilities and obligations of Seller herein shall be limited to repair or replacement of the equipment as Seller may choose, and Seller’s obligation to remedy such defects shall not exceed the Purchaser’s original cost for the equipment. Purchaser EXPRESSLY AGREES this is the EXCLUSIVE REMEDY under this warranty. There are no other express or implied warranties which extend beyond the face hereof. All warranty repair service must be performed by either a Factory Trained Service Representative or **HAMILTON MANUFACTURING CORP., 1026 Hamilton Drive, Holland, Ohio 43528 PHONE (419) 867-4858 or (800) 837-5561, FAX (419) 867-4867.**

The limited warranty for new equipment is conditioned upon the following:

1. The subject equipment has not, in the Seller’s sole opinion, been subjected to: accident, abuse, misuse, vandalism, civil disobedience, riots, acts of God, natural disaster, acts of war or terrorism.
2. The Seller shall not be liable for any expense incurred by Purchaser incidental to the repair or replacement of equipment and Purchaser shall assume full responsibility for any freight or shipping charges.
3. The coverage of this warranty shall not extend to expendable parts.
4. Purchaser shall have a warranty registration card on file with Seller prior to any claim in order for warranty protection to apply.
5. No warranty coverage is applicable to any equipment used for currency other than that specified at the time of the purchase.
6. Seller expressly disclaims any warranty that counterfeit currency will not activate said equipment.
7. Seller expressly disclaims any warranty for any losses due to bill manipulation or theft or loss of cash under any circumstances.
8. Use of the equipment for anything other than its intended and designed use will void the Limited Warranty Agreement. Use of equipment for anything other than its intended and designed use includes, but is not limited to, downloading software/applications not certified by Seller such as e-mail, spyware, screen savers, viruses, worms, third party software, web search engines, cookies, spam, desktop applications, games, web surfing, etc.

Seller further warrants all repair or service work performed by a factory trained representative or Hamilton Manufacturing Corp. for a period of ninety (90) days from the date the repair or service work was performed. Purchaser’s remedies and the liabilities and obligations of Seller herein shall be limited to repair or replacement of equipment as Seller may choose, and Seller’s obligation to remedy such defects shall not exceed the Purchaser’s depreciated value of the equipment. Purchaser EXPRESSLY AGREES this is an EXCLUSIVE REMEDY under this warranty. There are no other express or implied warranties on repair or service work performed by a factory trained representative or Hamilton Manufacturing Corp. which extend beyond the face hereof.

The limited warranty for repair and service work is conditioned upon the following:

1. The subject equipment has not, in the Seller's sole opinion, been subjected to: accident, abuse, misuse, vandalism, civil disobedience, riots, acts of God, natural disaster, acts of war or terrorism.
2. The Seller shall not be liable for any expense incurred by Purchaser incidental to the repair or replacement of equipment and Purchaser shall assume full responsibility for any freight or shipping charges.
3. The coverage of this warranty shall not extend to expendable parts.
4. Purchaser shall have a warranty registration card on file with Seller prior to any claim in order for warranty protection to apply.
5. No warranty coverage is applicable to any equipment used for currency other than that specified at the time of the purchase.
6. Seller expressly disclaims any warranty that counterfeit currency will not activate said equipment.
7. Seller expressly disclaims any warranty for any losses due to bill manipulation or theft or loss of cash under any circumstances.
8. No person or entity other than a factory trained representative or Hamilton Manufacturing Corp. has performed or attempted to perform the subject repair or service.
9. Using equipment which has been serviced or repaired for anything other than its intended or designed use such as downloading software applications not certified by Seller will void the Limited Warranty Agreement. This includes software/applications such as e-mail, spyware, screen savers, viruses, worms, third party software, web search engines, cookies, spam, desktop applications, games, web surfing, etc.

THIS AGREEMENT IS MADE WITH THE EXPRESS UNDERSTANDING THAT THERE ARE NO IMPLIED WARRANTIES THAT THE EQUIPMENT SHALL BE MERCHANTABLE, OR THAT THE GOODS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. PURCHASER HEREBY ACKNOWLEDGES THAT IT IS NOT RELYING ON THE SELLER'S SKILL OR JUDGMENT TO SELECT OR FURNISH EQUIPMENT SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THAT WHICH IS DESCRIBED HEREIN.

The Purchaser agrees that in no event will the Seller be liable for direct, indirect, or consequential damages or for injury resulting from any defective or non-conforming new, repaired or serviced equipment, or for any loss, damage or expense of any kind, including loss of profits, business interruption, loss of business information or other pecuniary loss arising in connection with this Limited Warranty Agreement, or with the use of, or inability to use the subject equipment regardless of Sellers knowledge of the possibility of the same.

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