



American Changer
1400 NW 65TH Place ♦ Ft. Lauderdale, FL 33309



"TOKENSTATION" – CHANGER

**OPERATIONS MANUAL
MODEL AC8007 – PLATINUM SERIES**

ARL Listed STD: UL 756

Parts & Service: (888)741-9840

Service Fax: (954)917-5204

Sales: (800)741-9840

To order parts only, visit our website: www.americanchanger.com

Service Questions? E-mail: service@americanchanger.com

Model Number: _____

Serial Number: _____

Tested By: _____

Date: _____

Specifications

Operating voltage	120VAC +10% to -15%
Power consumption	Controller: 10W
Operating temperature	32-130 degrees Fahrenheit
Interface to hoppers	24VDC & 12VDC, 1.5 amps max.
Interface to validators	120VAC, .5 amps max.
Hopper coin capacities	100 coins minimum to 3,200 coins maximum

Warranty Information

A Return Material Authorization number (RMA #) must be obtained before returning a unit for repair. A copy of invoices must accompany any and all warranty work.

*It is the end users' responsibility to follow cleaning and maintenance procedures as outlined in the validator manual.
Any unit returned for repair requiring only a cleaning will be charged a flat rate plus shipping and handling.*

Validators

Validators are warranted for two years from date of purchase.

Hopper(s) and/or Dispenser(s) and Logic Board

These items are warranted for one year from date of purchase.

COVERED

- Manufacturers' defects in workmanship or materials

NOT COVERED

- Damage caused by shipping or physical abuse
- Misapplication
- Vandalism
- End users' attempt, on their own, to repair components
- Cleaning and maintenance
- Power surges and lightning strikes

Table of Contents

SECTION A: SETUP & INSTALLATION

Setup	5
Assembling the TokenStation	5
Mounting Instructions	5
Installing Coin Cup	6
Installing Bill Stacker	6
Hopper Coin/Token Sizes & General Information	7
Validator General Information	7
Power Supply/Relay Board	8
Fuse Definitions	8
Main Logic Board	9
Programming the Changer	10-16
Remote Paging Features & Error Codes	17
Data Logger Information.	18
Replacing Printer Paper	19-20
Functional Description of the AC8007 TokenStation	21
Functional Operation of the Hopper Out-of-Service Conditions	21
Condor Coin Mechanism	22
Car Wash Pay Station Schematics	23-26
Pay Station Relay & Power Supply Board Schematics	27-28

SECTION B: MAINTENANCE

American Changer Cleaning Kit Information.	29
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SECTION C: PARTS LIST

AC8007 Parts Lists	30-31
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SECTION A

SETUP & INSTALLATION

Setup

Remove your Platinum Series AC8007 TokenStation from the shipping box. Open the door. (*The lock system is a screw-in type, and, therefore, must be turned at least 10 times counter-clockwise until it opens.*) Inspect for any connectors or components that may have become dislodged during shipping. The locks and keys for your TokenStation will be inside the manila envelope along with this manual. To install the locks, insert each cylinder into the center of the round holes. Turn the key counter-clockwise ¼ turn and remove the keys.

NOTE: The only way to get a duplicate set of keys made is to save the tag that comes between the keys. This ID # starts with "AC or ACC ####."

CELLULAR WIRELESS CREDIT CARD SYSTEM (optional)

This feature is an optional add-on for most American Changer models. A separate maintenance manual is included in your packet. You **MUST** call American Changer technical support at (888) 741-9840 for setup and operating instructions. Prior to startup in the wireless mode, the machine will operate and validate cash transactions only.

Assembling & Testing the TokenStation

Safety Note: The AC8007 comes almost completely assembled, in a box strapped to a pallet. Care must be taken in unpacking and maneuvering the machine into place. It weighs 153 lbs., and it is not a one-man job.

The default settings are for a 4-coin per dollar payout, with the hopper paying out 2 coins per dollar. The bill validator is ready to accept \$1, \$5, \$10 and \$20 dollar bills. (Coin acceptor default value is one coin for 50 cents.)

Fill the hopper with a minimum of 100 coins to a maximum of 3,200 coins.

Locate the ON/OFF switch on the lower left corner of the Power Supply/Relay Board (the board that has H, L 1, 2, 3, 4, and 5 printed on the relays), and turn the machine ON.

As the machine powers up, the software version scrolls by on the LCD screen, finally stopping with "Welcome! No Credit Cards Now."

The AC8007 can now be tested and used with cash only. *NOTE: To change payouts, it is necessary to enter the program mode.*

Mounting the AC8007

Remove the bottom door of the AC6007 and locate the 4-mounting holes predrilled into the floor of the base. Using lag bolts, bolt down the machine to prevent the machine from being moved, shaken or tipped over.

REFUSAL TO MOUNT THE CHANGER OR NOT USING ALL 4-MOUNTING HOLES MAY BE DANGEROUS!!!

After securing the machine to the floor, the coin cup & chute should be mounted to the door. It is shipped in a box in the lower storage cabinet of the 8007. (See Installing Coin Cup instructions below.)

The validator comes without the stacker attached. The stacker is also shipped in the same box as the coin cup in the lower storage cabinet of the 8007. Remove from the box, remove bubble wrap and slide into place. (See Installing Bill Stacker instructions below.)

Installing Coin Cup



Figure 1

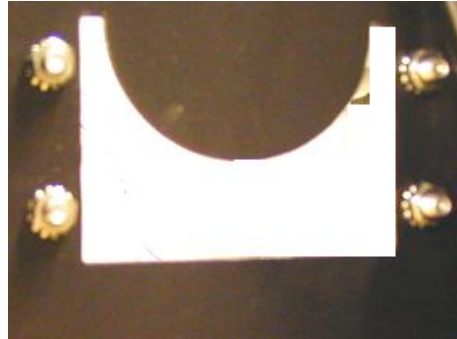


Figure 2

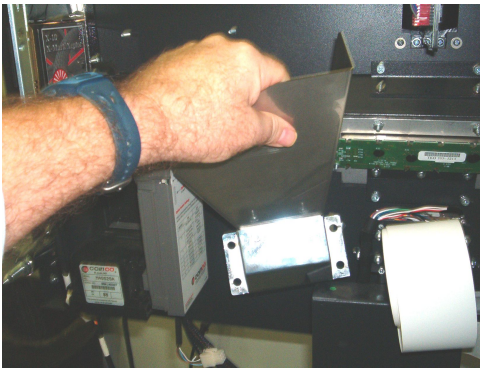


Figure 3

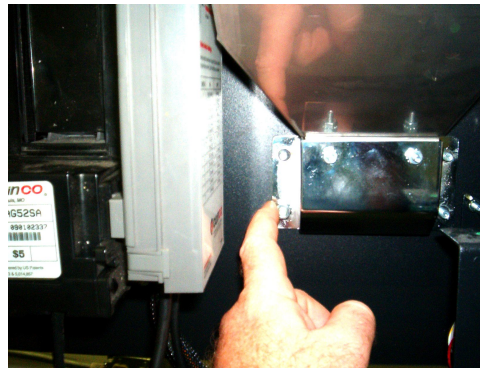


Figure 4

1. Remove the coin cup & chute from the box.
2. Remove the four ¼-20 nuts that are on the studs where the coin cup mounts to the door.
3. Maneuver the coin cup and chute assembly into position and slip over the four studs.
4. Re-install the four ¼-20 nuts on the studs to secure the assembly to the door. Tighten firmly with a 7/16 nut driver or socket.

Installing Bill Stacker

The bill stacker slides into place as shown below. Place open end of stacker 1" above push bar, then lower into place. A smaller stacker installs the same way.



Figure 5 – Bill Stacker

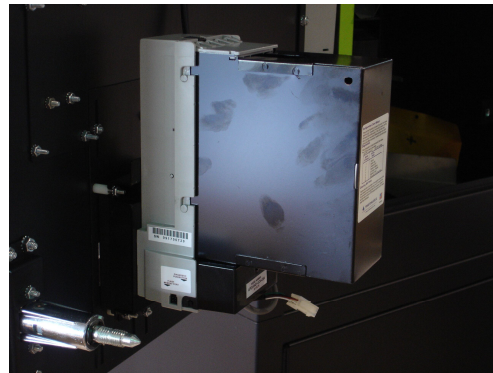


Figure 6 – Bill Stacker Attached to Bill Acceptor

Hopper Coin/Token Sizes & General Information

The hopper will automatically adjust to dispense coins/tokens in size from 20-30 mm in diameter and 1.25-3.5 mm in thickness. There is an option available to dispense smaller coins.

A nickel is approximately 21 mm, a quarter is approximately 25mm, and a dollar coin is approximately 28mm in diameter.

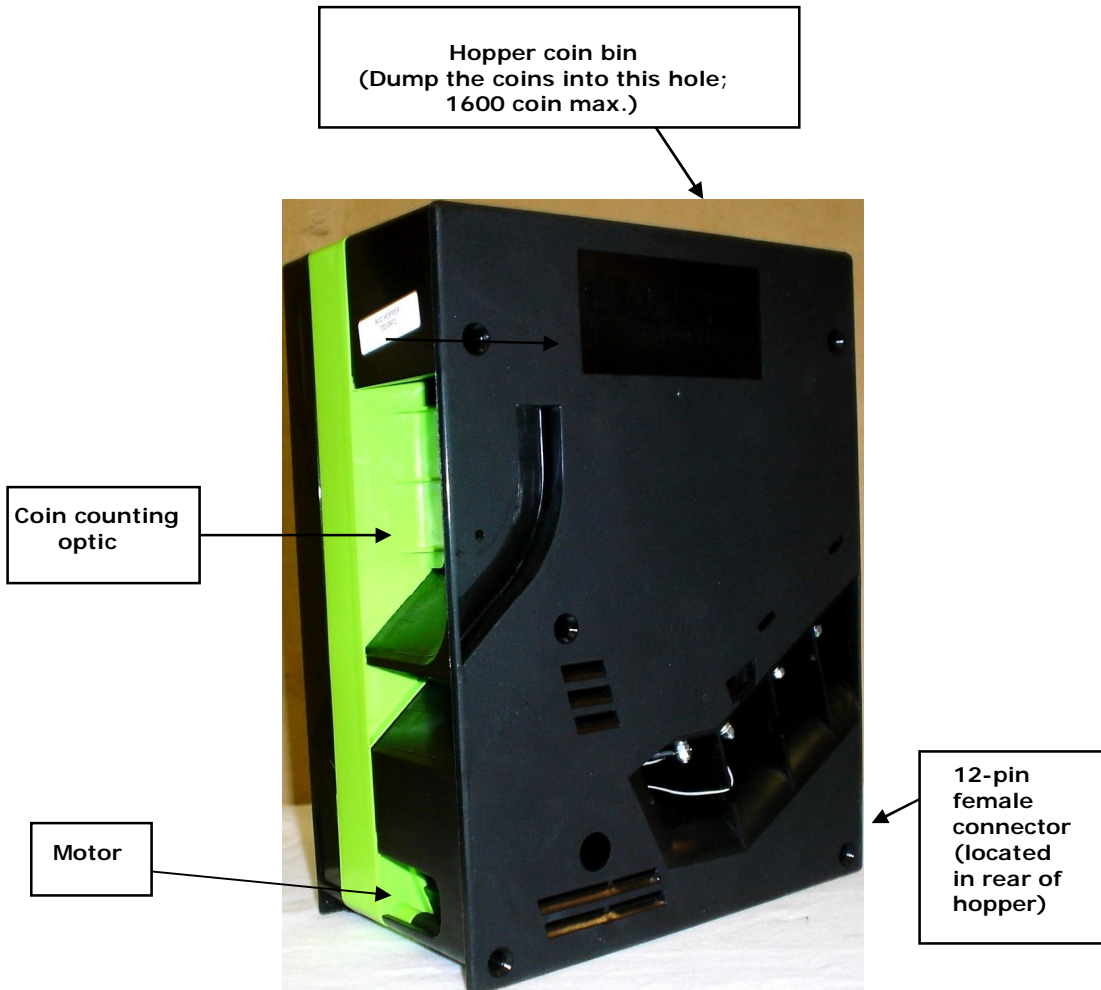


Figure 7 – Hopper

Validator General Information

A validator user manual is included as part of your information packet. Please use this as your reference guide to address any questions you may have.

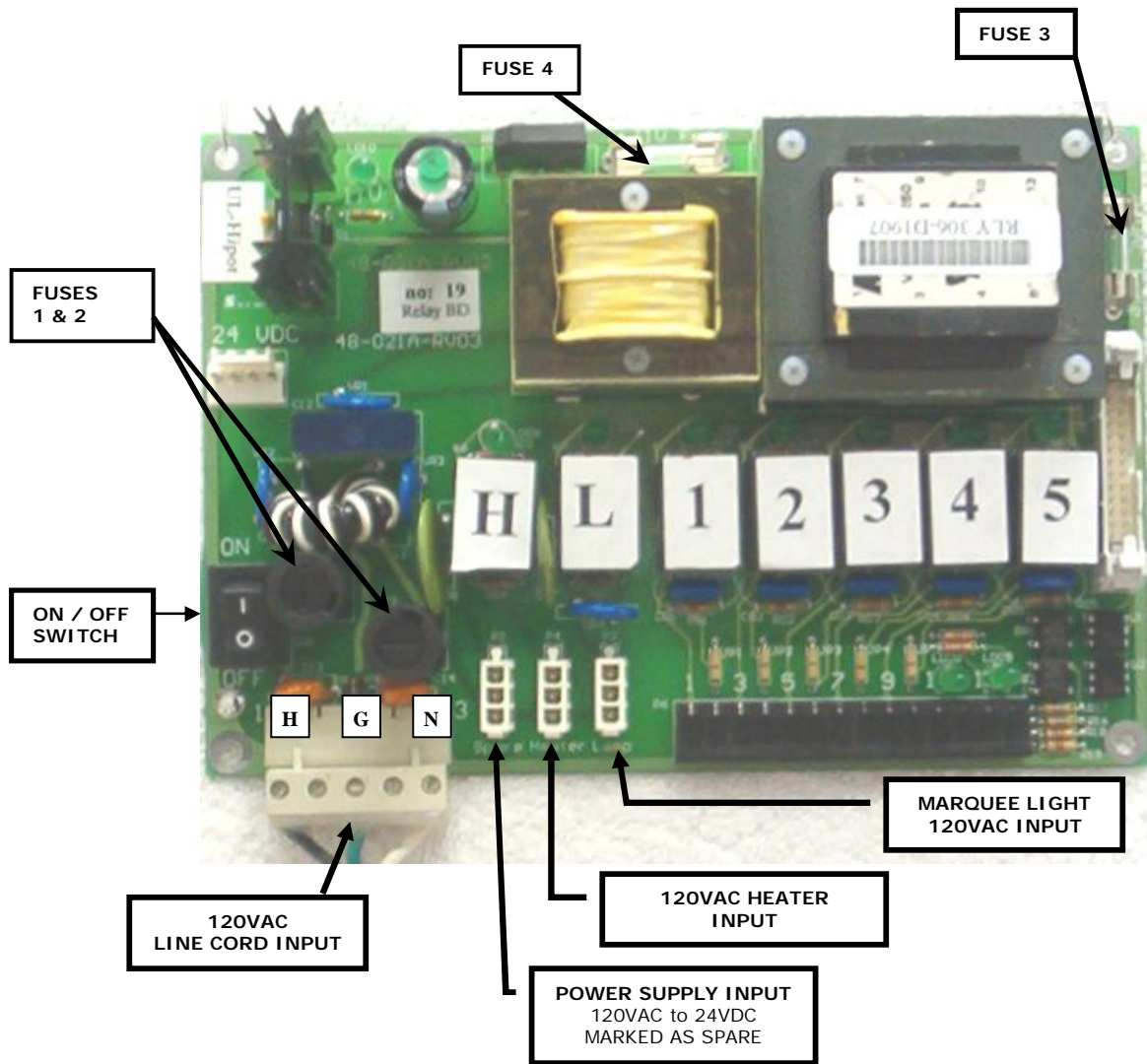


Figure 8 – AC8061 Power Supply / Relay Board

Fuse Definitions

Fuses 1 & 2 - High voltage fuses: These are the primary transformer AC fuses. Use replacement 2½ amp fuses ONLY!) ***REPLACING THIS FUSE WITH ANYTHING OTHER THAN A 2½ AMP “AS” MAY RESULT IN A FIRE OR AN UNSAFE WORKING CONDITION!*** (See Figure 9 – Main Logic Board.) Any direct short of the transformer will cause this fuse to blow. Replace.

Fuses 3 & 4 - Low voltage fuses: These are the secondary transformers fuses (Fuse #3) for the 5 – 28VDC section of the main logic board and hoppers and the validator 24VAC fuse (Fuse #4). Replace this fuse with a 2½ amp fuse only. ***REPLACING THIS FUSE WITH ANYTHING OTHER THAN A 2½ AMP MAY RESULT IN A FIRE OR AN UNSAFE WORKING CONDITION!***

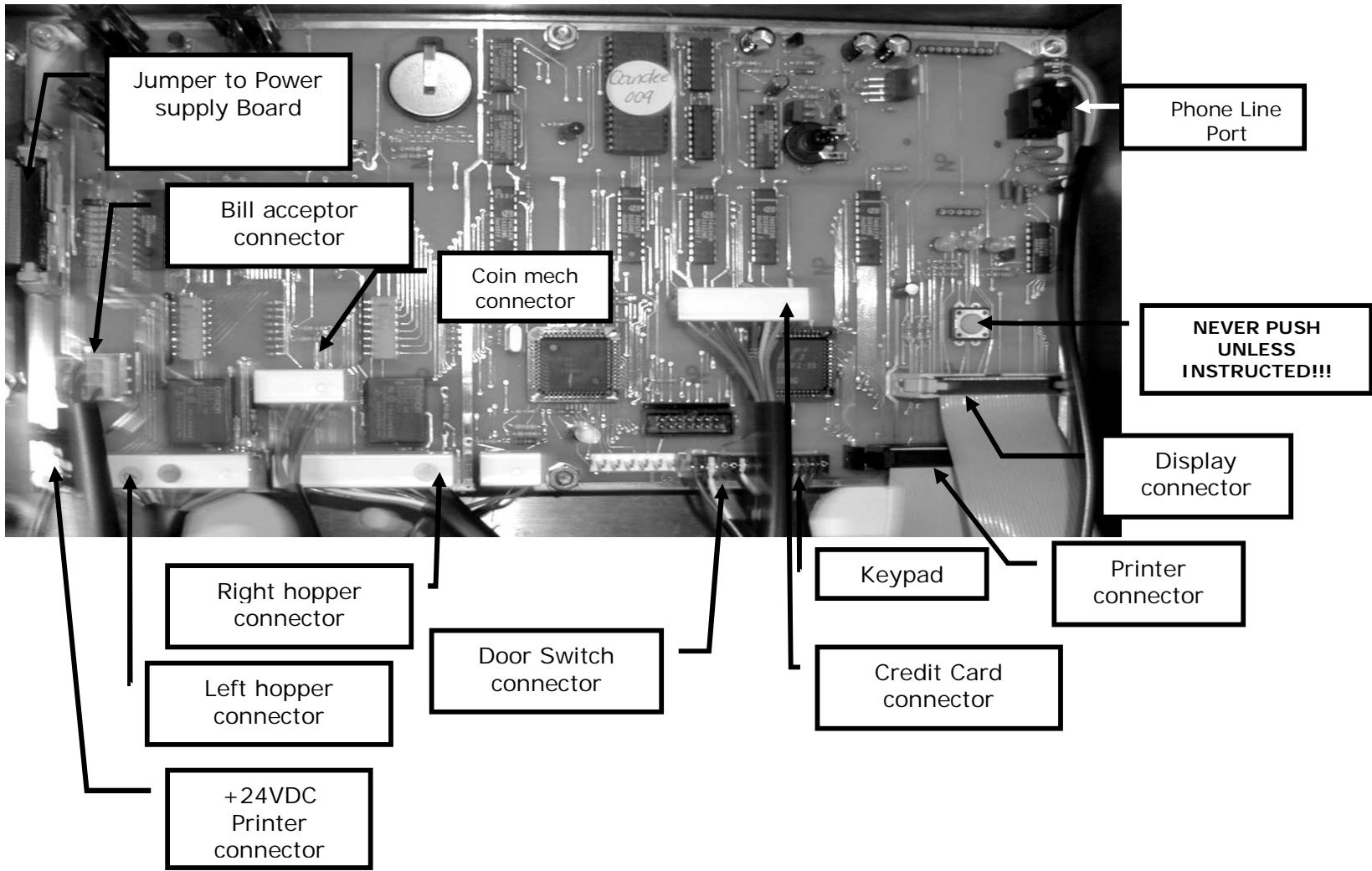
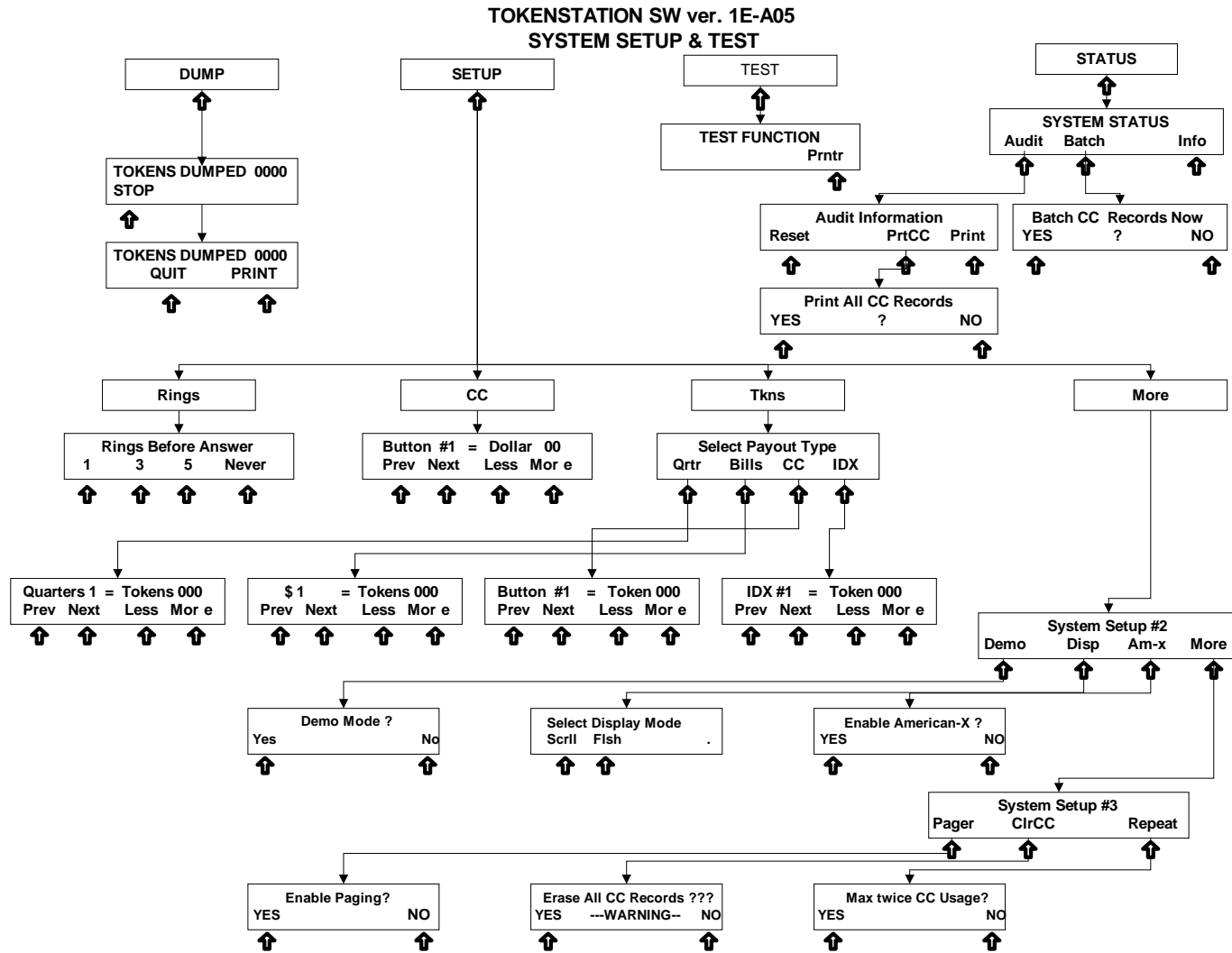


Figure 9 – AC8060.2 Main Logic Board

Programming the AC8007 TokenStation

<u>Section</u>	<u>Page(s)</u>
Programming Flow Chart	11
Accessing the Program Mode	12
Functional Description of All Programming Modes ..	12-14
<u>Dump Mode</u>	12
<u>Setup Mode</u>	13
Rings	13
CC (credit card)	13
Tokens/Freeplay	13
More Menus	13
Demo Mode	13
Display	13
AM-X	13
More Menus	13
Pager	13
ClrCC (clear all credit card records)	13
Repeat Limit Cr Card Use	13
<u>Test Mode</u>	14
Printer Test	14
<u>Status of Operations</u>	14
Audit Options	14
Reset	14
Not Used	14
Failure Reset	14
PrtCC (print all cc records)	14
Print	14
Batch	14
Not Used	14
Print Information	14
Audit Print Definitions	15
Machine Information Print Definitions	16

AC8007 PROGRAMMING FLOW CHART

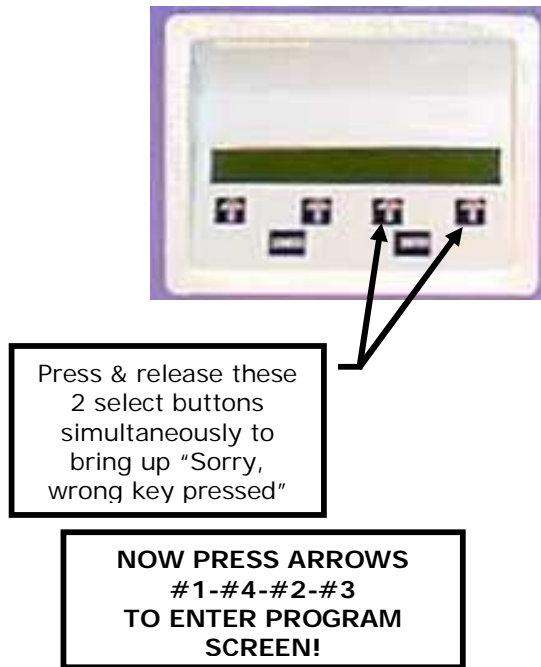


ACCESSING THE PROGRAM MODE

Using the LCD display on the front of the machine programs the TokenStation. The "Program" mode must be entered in order to set token pricing, audit features using the printer, troubleshooting features, and dumping the hoppers.

The first thing that must be done to enter the program mode is entering the "Pin Number." To do this, you must OPEN THE DOOR TO THE TOKENSTATION. The door switch must be actuated in order to allow the pin # screen to be accessed.

1. Open the TokenStation door to at least a 45-degree angle.
2. Press right two arrow buttons simultaneously.
3. Enter the default numbers 1-4-2-3.



FUNCTIONAL DESCRIPTION OF ALL PROGRAMMING MODES

*Programming will be described as it appears on the screen from left to right starting with the opening menu. "#" plus a number (i.e., #2-#2-#3) show which buttons to press STARTING WITH THE MAIN SCREEN that will navigate you to this step. (***) means that American Changer also downloads this data once the credit card functions are approved by a processor.)*

#1 - The Dump Mode:

This mode will cause the hopper(s) to run continuously. While running, the front display will show the amount counted out of each hopper and a total dispensed for audit purposes. Press the "Stop" arrow to end the dump mode. **The dump mode does not show up on the count for the printer audit features for the end of the week totals.**

To get a total of the coins dumped, press the "Print" key before exiting this mode.

(End DUMP Functions)

#2 – The Setup Mode:

This mode is quite involved and will be broken down by modes and sub modes.

#2-#1 – RINGS – Set how many rings on the incoming phone line before the TokenStation's mode picks up AND ANSWERS THE LINE.

The Default value is "3". ONCE THE TOKENSTATION IS COMPLETELY PROGRAMMED, WE RECOMMEND "NEVER" OR "0" TO PREVENT TELEMARKETERS FROM GRABBING THE PHONE LINE.

#2-#2 – CC – Set the Pricing of the 4 credit card ARROWS!. ***These pricing options are independent of the token pricing options. This is not where the tokens per credit card price is set.***

Arrow definitions:

Arrow 1 – Previous price point

Arrow 2 – Next price point

Arrow 3 – Decrease price point by \$1.00

Arrow 4 – Increase price point by \$1.00

#2-#3 – TOKENS – Set the token payouts of all options.

Arrow 1 - Quarters

Arrow 2 - Bills (FREEPLAY = \$2-Bill)

Arrow 3 - Credit card

Arrow 4 - IDX tokens

Then:

Arrow 1 – Previous price point

Arrow 2 – Next price point

Arrow 3 – Decrease price point by \$1.00

Arrow 4 – Increase price point by \$1.00

#2-#4 MORE – More Menus

#2-#4-#1 – Demo Mode YES/NO. ***This is for show room floor displays only! It enables the credit card reader without a phone line and is equivalent to a FREE VEND mode!*** The Default value is "NO"!

#2-#4-#2 – Display Select Display Mode SCROLL/FLASH. This will allow the operator to select the type of attract mode to use when displaying the token payouts on the changer's LCD display. Scroll = a marquee letter scrolling effect. Flash = each line flashes the new line at once. *****Default is the FLASH mode*****

#2-#4-#3 – AM-X – Enable American Express Cards? YES/NO *****Default is YES*****

#2-#4-#4 – More More Menus

#2-#4-#4-#1 – Pager Enable Paging? YES/NO? Enable the machine to call out to a Cellphone or Alphanumeric pager? *****Default is YES*****

#2-#4-#4-#2 – ClrCC Clear all Credit Card Records? Erase credit card records in memory that have been authorized, but not yet downloaded.

WARNING – PRESSING "YES" DELETES ALL CHARGES NOT DOWNLOADED! NEVER PRESS THIS KEY WITHOUT PRINTING OUT CREDIT CARD CHARGES IN MENU #4-#1-#3-#1!

#2-#4-#4-#4 – Repeat Limit Customers to SAME credit card used only twice from 12:01AM to 11:59PM daily. *****Default is YES*****

(End SET-UP Functions)

#3 – The Test Mode (TokenStation Test Options):

#3-#4 – Printer Test – This test will verify if the printer is functioning properly. *Note: Most printer problems occur when changing out the paper due to improper feeding of the new paper.*

(End TEST Functions)

#4 – Status of Operations Mode (TokenStation Status of Operations):

#4-#1 – Audit (TokenStation Audit Options)

#4-#1-#1 – Reset – This function reset the resettable counts to zero. It cannot reset the non-resettable counters. The sequential number counter is incremented by one.

#4-#1-#2 – Not Used

#4-#1-#2 – Failure Reset. **NEVER PRESS THIS BUTTON UNLESS A TECHNICIAN FROM American Changer AUTHORIZES YOU TO DO SO!!!**

#4-#1-#3 – PrtCC – This function will print all Credit Card records for the TokenStation. **These are only the charges not yet downloaded to the bank.)**

#4-#1-#4 – Print – Prints accounting totals without resetting the counters.

#4-#2 – Batch – This will force the machine to resolve all credit card transactions not yet complete with the bank. This is only required in emergency situations when the once-a-day batching cannot be accomplished.

#4-#3 – Not Used

#4-#4 – Print Info (TokenStation printout of all parameters). See “Machine Information Print Definitions” in this section for definitions of print.

(End STATUS Functions)

Audit Print Definitions

Machine ### - Audit
Date – year, mm, dd -Time – hr: mm: ss
Audit Sequence # #

== Non-Resetable Counters ==

Non-resetable lifetime machine counters.

Total Cash: \$ #####.##
Quarters: #####
Dollar Coin: #####
Ones: #####
Fives: #####
Tens: #####
Twenties: #####
Fifties: #####
Hundreds: #####
CreditCards: ###,###.##
Paid Hopper 1: #####
Paid Hopper 2: #####

== Resetable Counters ==

Resetable lifetime machine counters.

Total Cash: \$ #####.##
Quarters: #####
Dollar Coin: #####
Ones: #####
Fives: #####
Tens: #####
Twenties: #####
Fifties: #####
Hundreds: #####
Total Bills: \$ ###,###.##
Visa: \$ ###,###.##
Master Card: \$ ###,###.##
American X: \$ ###,###.##
Total CC: \$ ###,###.##

Promo Token 1: #####
Promo Token 2: #####
Promo Token 3: #####
Promo Token 4: #####
Free Play Note: #####

How many times customers chose each of the credit card buttons for pricing choices

Selection 1: #####
Selection 2: #####
Selection 3: #####
Selection 4: #####

Paid Hopper 1: #####
Paid Hopper 2: #####
Paid Total: #####

== STATUS ==

Hopper #1: OK
Status of LEFT Hopper
Hopper #2: OK
Status of RIGHT Hopper
Validator: OK
Status of Bill Acceptor
Credit Card: OK
Status of CREDIT CARD Operations

Machine ### - Information
Year-mm-dd – Time: hr: mm: ss

Token Payout Settings

1 Quarter = X
2 Quarters = X
3 Quarters = X
1 Dollar = X
FreePlay Note = X
5 Dollar = X
10 Dollar = X
20 Dollar = X
50 Dollar = X
100 Dollar = X
Hopper1 Type = N/A
Hopper2 Type = N/A
 Type of coins dispensed from each hopper. 1=quarter,
 4=\$1 coin, 0=None
Selection #1 = \$ ##. ##
Selection #2 = \$ ##. ##
Selection #3 = \$ ##. ##
Selection #4 = \$ ##. ##
 Cost of all 4 washes in dollars.
IDX #1 Value = ##
IDX #2 Value = ##
IDX #3 Value = ##
IDX #4 Value = ##
 Value of each IDX Token used. Totals are in quarter
 increments.
FreePl. Value = ##
 Value of WASHBUCK coupon used. Total is in quarter
 increments.
PhoneAuthPri = #####
PhoneAuthSec = #####
PhoneCaptPri = #####
PhoneCaptSec = #####
 Phone numbers TokenStation calls out to Authorize
 and Charge Credit Cards.
PhoneOffice = Not Used
PhonePager = #####
 Phone number called when TokenStation or Car Wash
 Controller is down.
BIN = #####
Agent Bank = #####
Agent Chain = #####
Merchant # = #####
Store # = #####
Terminal # = #####
Merch Categ = #####
Merch City = XXXXXXXXXXXX
Merch State = XX
ZipCode = #####
Country Cod = ###
CurrencyCd = ###
Merch Loc = 000001
Terminal V# = #####
TimeZoneDif = ###

These are your credit card set-up functions. Underlined
 items may be requested by
 Tech Support when you call in with a
 card-processing problem.

--Continued--

--Continued--

Batch Seq. # = ###
 The current processing batch number.
Max twice CC = y or n
 CC# limit 2 times in 24-hr period?
Accept Am-X = y or n
 Machine accepts American Express Cards?
Demo Mode = NO
 Is machine in the Demo Mode?
PagerEnabled = y or n

Capture \$ = ####
 Set how much machine will batch out at in
 dollars.
Dollar Now = ####
 How much CC sales equal that have not been
 batched yet today.
Sched. Capt. = hr: mm: ss
 Time machine is set to do once a day batching.

Ring Answer = #
 How many rings the TokenStation modem will
 allow before picking up.
Audit Ptr Addr = XXXX
AuthDoneAddr = XXXX
CaptWorkAddr = XXXX
CaptDoneAddr = XXXX
Bill Validator = Low
Coin Acceptor = Hi
Reset Timer = No
Multiple Token = XX
 Internal use only!

System Data Logger Information

See Data Logger Information in this section.

--End Machine Info Print Out--

End of Programming Section

TokenStation Remote Paging Features and Error Codes

The **Paging** option pages/calls the owner if the TokenStation detects a problem.

For the paging option to work, the TokenStation must be configured remotely by American Changer to load the pager number into the software.

The TokenStation will page **most** numeric pagers. (A cell phone with caller ID can be used, but there is no error code transmitted; the only thing seen will be the phone number to which the TokenStation is connected.)

While the TokenStation is paging, the display momentarily shows:



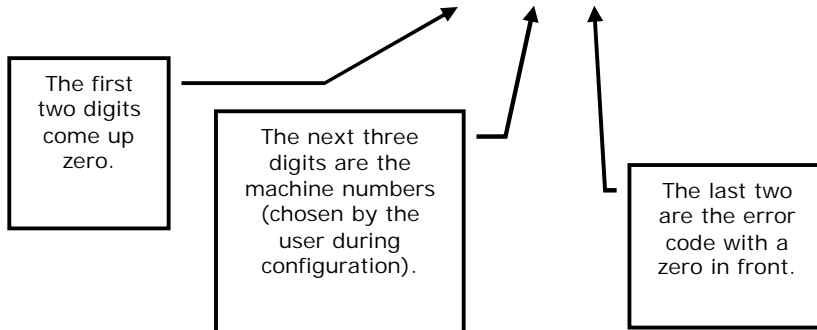
The following is a list of the codes that will be sent to the pager:

*00 * ID # of Machine * up to 4 error codes *

The 4 error codes are:

- 01 Hopper
- 02 Validator (NOT USED!!!)
- 03 Credit card/phone

Example: A validator problem would usually display 00|333|02



If you do not have an alphanumeric pager for the AC8007 to call to give you these error codes, you can get them by going to the Setup menu on the display. From there, go to Arrow 4 "Status" menu. Next, press Arrow 1 "Audit." Then press "print." At the bottom of the printout, under "STATUS," the condition of the machine's parts is shown.

Data Logger Information

The printout shows the last 25 events. This data is shown on the bottom of the Machine "Print Info" print out.

From left, the data fields are:

DD = day of the month
HH = hour in 24 hour format
MM = minutes

Evnt = Event occurred
Code = Result code of event

Flag 1 = Wsh_Flag WshFail
Flag 2 = CC_Veri CC_Veri
Flag 3 = CC_Stat CC_Stat
Flag 4 = CC_Fail CC_Fail
Flag 5 = Pager PagerFlg

Current defined events are:

Strt = Power up or Restart
Flag = Flag Failure
Wash = Washer started
Ring = Ringing
OffH = Going Offhook (Dialtone?)
Auth = CC Authorize
Bat = Batch
Page = Page
Swch = Switched to cash
Ccrd = Credit card read and failed (good ones not recorded)

Current defined codes are:

OK = OK
Bad = Bad
Aprv = Approved
Rej = Rejected
GB = Good Batch
QD = Quit Duplicate
NoDT = No Dial Tone
Busy = Busy
Nanr = No Answer
Phon = Phone Problem
Othr = Other problems
Modm = Modem Failure
Comm = Communication Failure
Data = Bad CC data (read problems)
Exp = Expired Card
Type = Wrong type card
Time = Timeout on CC
Rept = Too many repeat uses

Note: A brand "X" card might be listed as wrong type or bad date if the internal fields are different from a standard credit card.

Pager Flag – emergency pager flag:

All 0 = No problem = no page
0 = Counter 0-15 Counts down in minutes time to page
1 = Counter
2 = Counter
3 = Failed to send page bit
4 = Hopper Errors
5 = Validator Errors
6 = CC Errors or communication
7 = Equipment failure

Replacing the Printer Paper

Before the printer paper runs out, you might wish to contact your Distributor and order more Printer paper. The part number is **AC7071-01**, and it is a special brand which is hard to find. Most AC8007 problems occur from the printer. Either the operator buys the wrong paper or has trouble loading the paper. Please follow the steps of either Method #1 or Method #2 below to properly load your thermal printer with new paper.



Figure P1: AC7074 Printer – Rear View

Method #1 – Automatic Feed:

NOTE: This method must be performed with the board power ON.

1. If there is paper remaining on the previous roll, it must be removed before proceeding. Move the “Paper Feed Lever” from the DOWN to the UP position (refer to Figure P2), and then pull out the remaining paper from the rear of the printer and discard the roll.

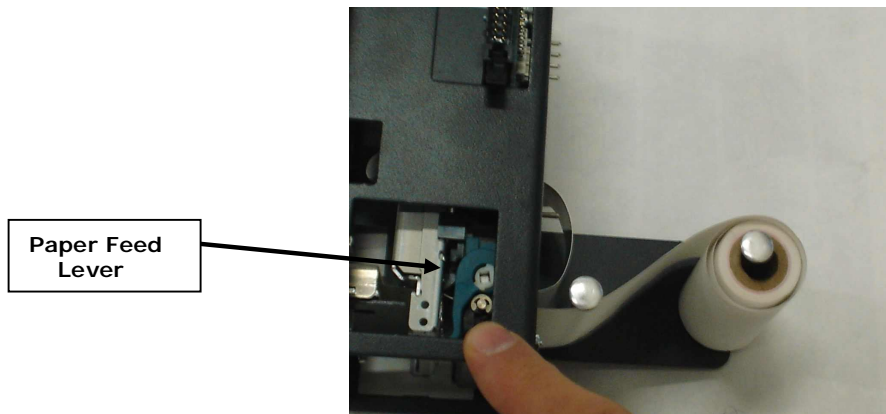


Figure P2: AC7074 Printer – Side View, with Paper

2. Move the “Paper Feed Lever” back to the DOWN position. Slide a new roll of paper onto the “Roll Holder,” oriented so the paper comes off on the side toward the printer (refer to Figure P3 for the correct placement).

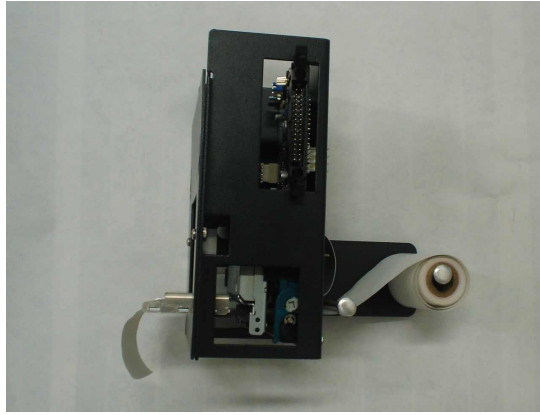


Figure P3: AC7074 Printer – Side View, Showing Proper Roll Placement

3. Wrap the paper under the “Paper Guide” and begin to feed it into the “Paper Slot.” You do not need to fold or cut the paper in any way; it should be left square in the front. At a certain point as the paper is being fed in, the printer will detect it and automatically feed it to the printing position. When done, the setup should look like Figure P3.
4. ***IMPORTANT!*** Turn OFF the Main Board power, and turn it ON again after a few seconds. *Note: The printer will not work until the power has been cycled!*
5. Enter the Setup Mode and perform a Printer Test. Make sure the printer prints all of the lines of text and cuts off the paper.

Method #2 – Manual Feed:

NOTE: This method can be performed with the board power ON or OFF.

1. If there is paper remaining on the previous roll, it must be removed before proceeding. Move the “Paper Feed Lever” from the DOWN to the UP position (refer to Figure P2), and then pull out the remaining paper from the rear of the printer and discard the roll.
2. With the “Paper Feed Lever” still in the UP position, slide a new roll of paper onto the “Roll Holder,” oriented so the paper comes off on the side toward the printer (refer to Figure P3 for the correct placement).
3. Wrap the paper under the “Paper Guide,” and begin to feed it into the “Paper Slot.” You do not need to fold or cut the paper in any way; it should be left square in the front. Continue to feed the paper into the slot, through the print head, until it passes out through the front of the machine (refer to Figure P4).
4. Move the “Paper Feed Lever” back to the DOWN position. The printer is now ready to print.
5. Enter the Setup Mode and perform a Printer Test. Make sure the printer prints all of the lines of text and cuts off the paper.

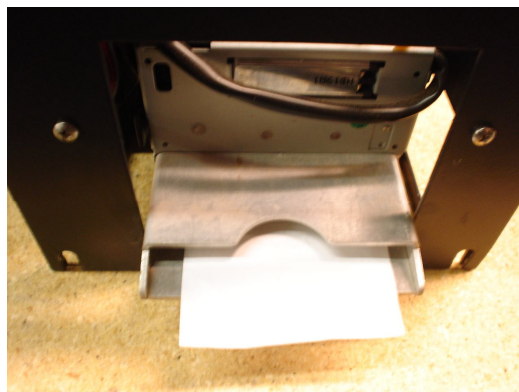


Figure P4: AC7074 Printer – Front View, Paper Fed Through

Functional Description of the AC8007 TokenStation

After the TokenStation has been installed and the computer programming complete, the machine is ready to operate. Exiting the "Program" mode will bring up the main Pricing screen.

Insert cash for immediate token payout. This ends your Cash transaction section. For credit card transactions, select one of the four arrow buttons to prompt the credit card menu. YOU MUST SELECT AN ARROW PAYOUT FIRST BEFORE THE TOKENSTATION WILL BEGIN ANY TYPE OF CREDIT CARD TRANSACTION.

Once the amount of the token transaction has been selected, the TokenStation will send alternating pulses to the hoppers to distribute the tokens evenly. As the transaction ends, the following occurs:

1. The "bills inserted" counters increase the appropriate slots and all other associated audit features.
2. The "hopper" total counter is incremented by the appropriate tokens paid out.

Functional Operation of the Hopper Out-of-Service Conditions

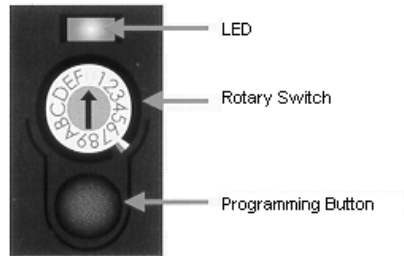
In a two-hopper system, the other hopper will work as a backup or give change as needed. In a one-hopper system there is no backup.

There are 4 instances that will shut down a hopper:

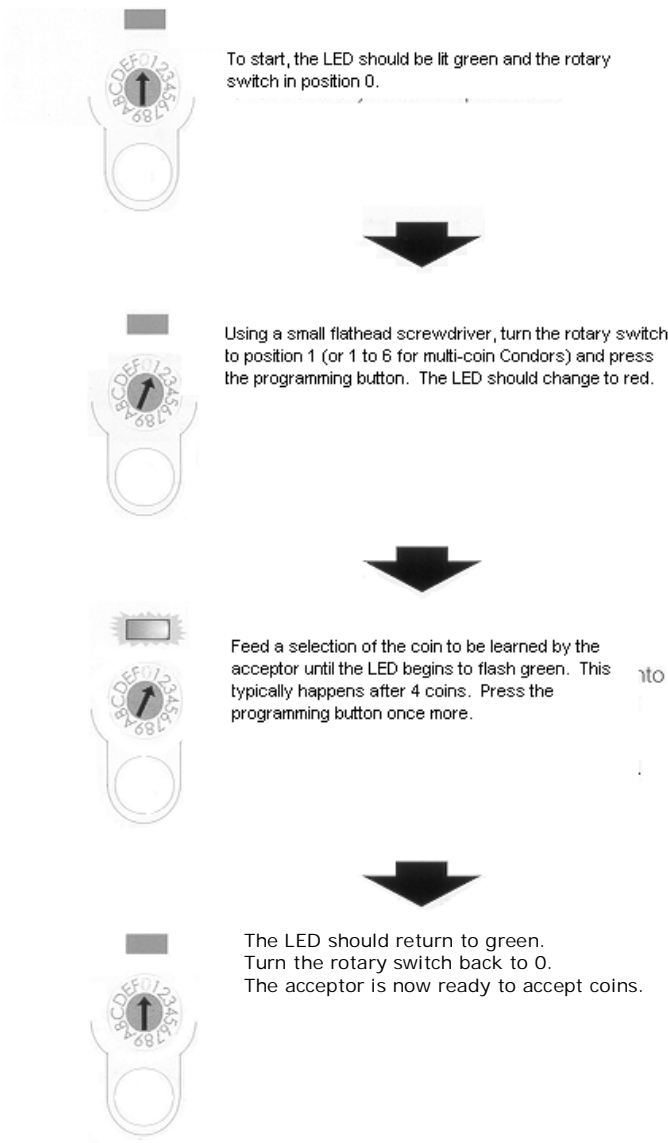
1. Low Coin – This is the most common occurrence. This shutdown occurs when the coins in the hopper fall below the gold plates, which conduct low voltage between them. The hopper will dispense coins from the other hopper when the TokenStation reads the signal. Once the first hopper is read to have "low coins," a call over the phone line is placed to the pager/Cellphone that one hopper is down. The machine will now dispense all coins from the full hopper. If the other hopper runs out of coins, THE TOKENSTATION WILL CONTINUE TO DISPENSE COINS FROM EITHER HOPPER UNTIL BOTH HOPPERS ARE EMPTY (80-100 COINS WILL REMAIN IN THE HOPPERS). At this time, the machine will page out again to notify the pager/Cellphone that the second hopper is now empty.
2. Security Failure – There are 2 cases that will cause a security failure.
 - a. The hopper is missing. The hopper is not slid into the hopper plate connector.
 - b. There is a foreign object or coin lodged in the coin counting window. Remove the side of the hopper with 5 screws and look in the area where the coins exit the hopper. Check the slot for foreign matter and remove it from the slot.
3. Jammed or Timeout Failure – This failure occurs when the hopper is told to dispense coins and, after 45 seconds, no coin has been dispensed. This failure is present when the hopper coin belt is jammed or the hopper has run out of coins. If the coin belt is jammed, repair or replace unit.
4. Over-Pay Failure – This is the error that occurs when the hopper pays out more coins than told to dispense. A very dirty exit sensor most often causes this error.

Condor Coin Mechanism

The condor must be programmed for USA with the Quarter into the #1 slot and the dollar coin in the #4 slot. ***If you notice a poorer than acceptable coin acceptance rate, you can turn back the Condor's security setting and increase your acceptance rate by turning the rotary dial (shown below) while in the "RUN" mode counter-clockwise 1 or 2 "clicks" from setting "0" to "F" or "E."***



To Teach and Run a coin or token into Condor follow this procedure:



Car Wash Pay Station Schematics

American Changer, Car Wash Pay Station

[Name] R01
 [Name] R02
 [Name] R03
 [Name] R04
 [Name] R05
 [Name] R06
 [Name] R07
 [Name] R08
 [Name] R09

 [Name] C01
 [Name] C02
 [Name] C03
 [Name] C04
 [Name] C05
 [Name] C06
 [Name] C07
 [Name] C08
 [Name] C09

 [Name] U01
 [Name] U02
 [Name] U03
 [Name] U04
 [Name] U05
 [Name] U06
 [Name] U07
 [Name] U08
 [Name] U09

 [Name] J01
 [Name] J02
 [Name] J03
 [Name] J04
 [Name] J05
 [Name] J06
 [Name] J07
 [Name] J08
 [Name] J09

V-Reg
Page 2

Control
Page 3

Modem/Credit Card
Page 4

Audio
Page 5

Input
Page 6

Output
Page 7

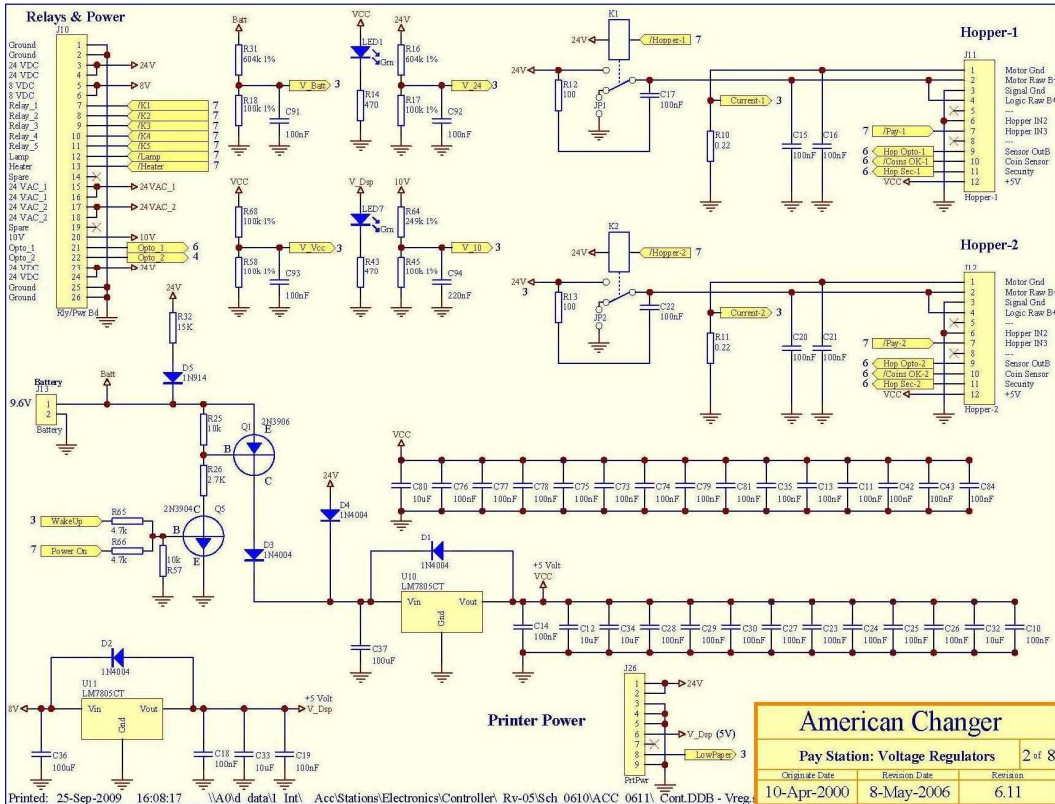
LCD
Page 8

Notes
Page 9

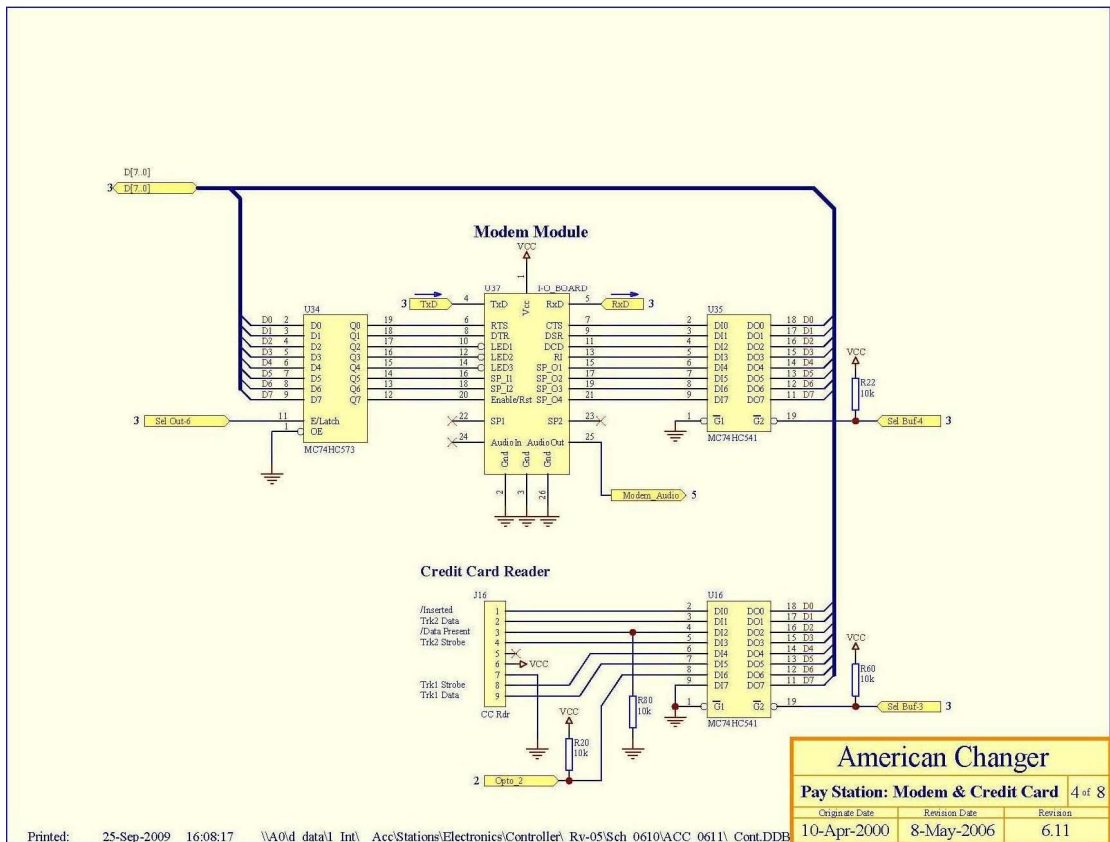
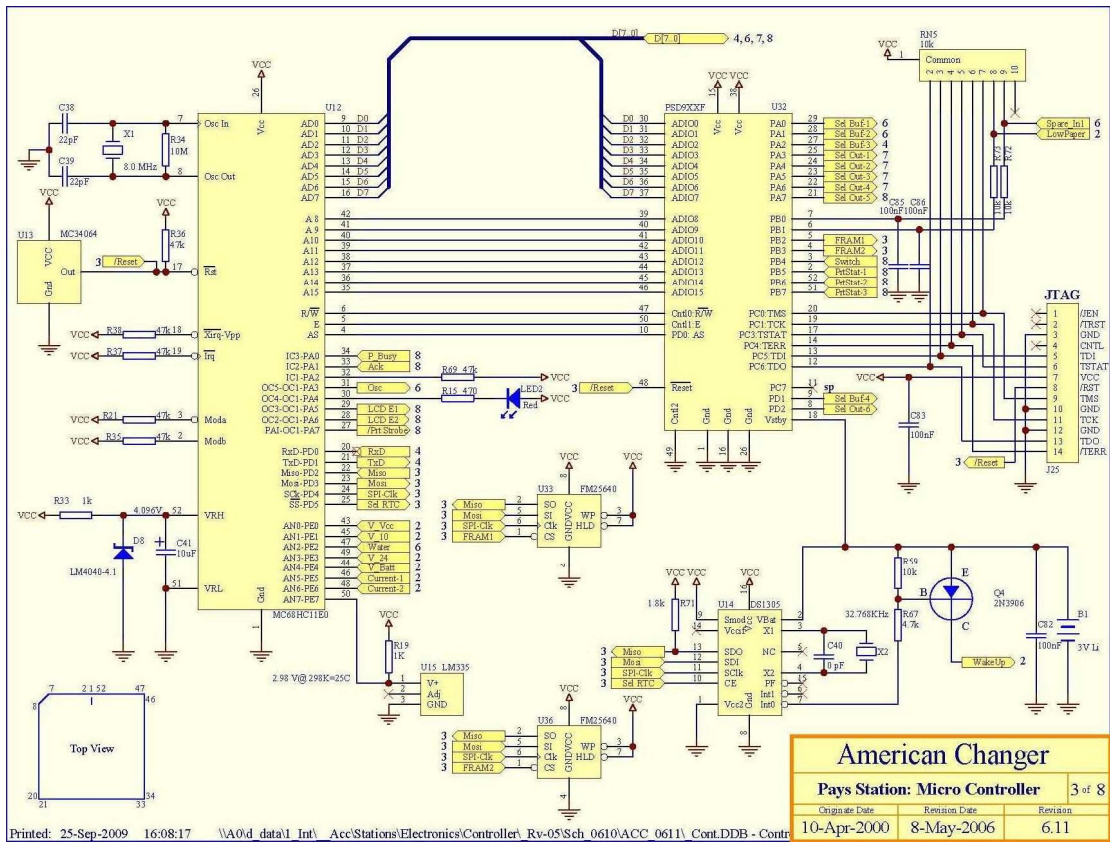
PCB Revision 5, 21-Dec-2003
Doc# 004-04-B013-R06.11

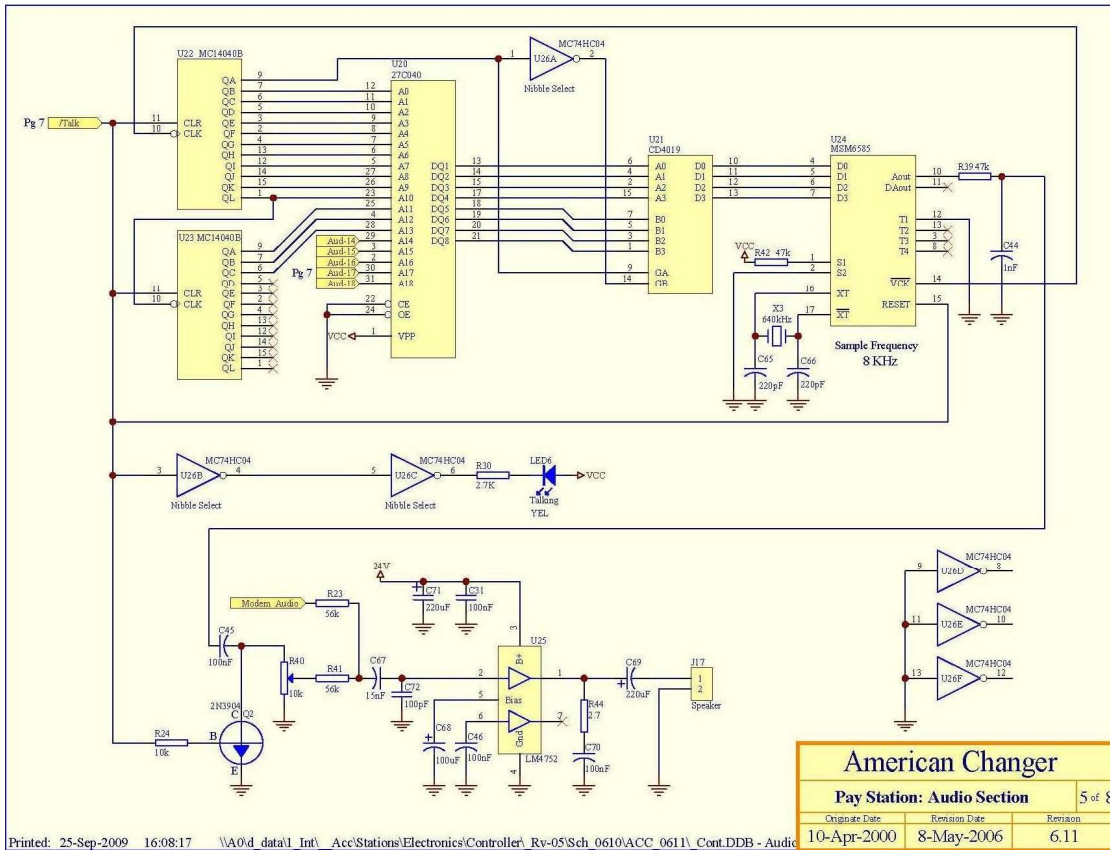
American Changer		
Pay station: Overview		1 of 8
Originate Date	Revision Date	Revision
10-Apr-2000	8-May-2006	6.11

Printed: 25-Sep-2009 16:08:16 \\A0\d\data\1_Int\ AccStations\Electronics\Controller\ Rv-05\Sch_0610\ACC_0611\ Cont.DDB - Mast

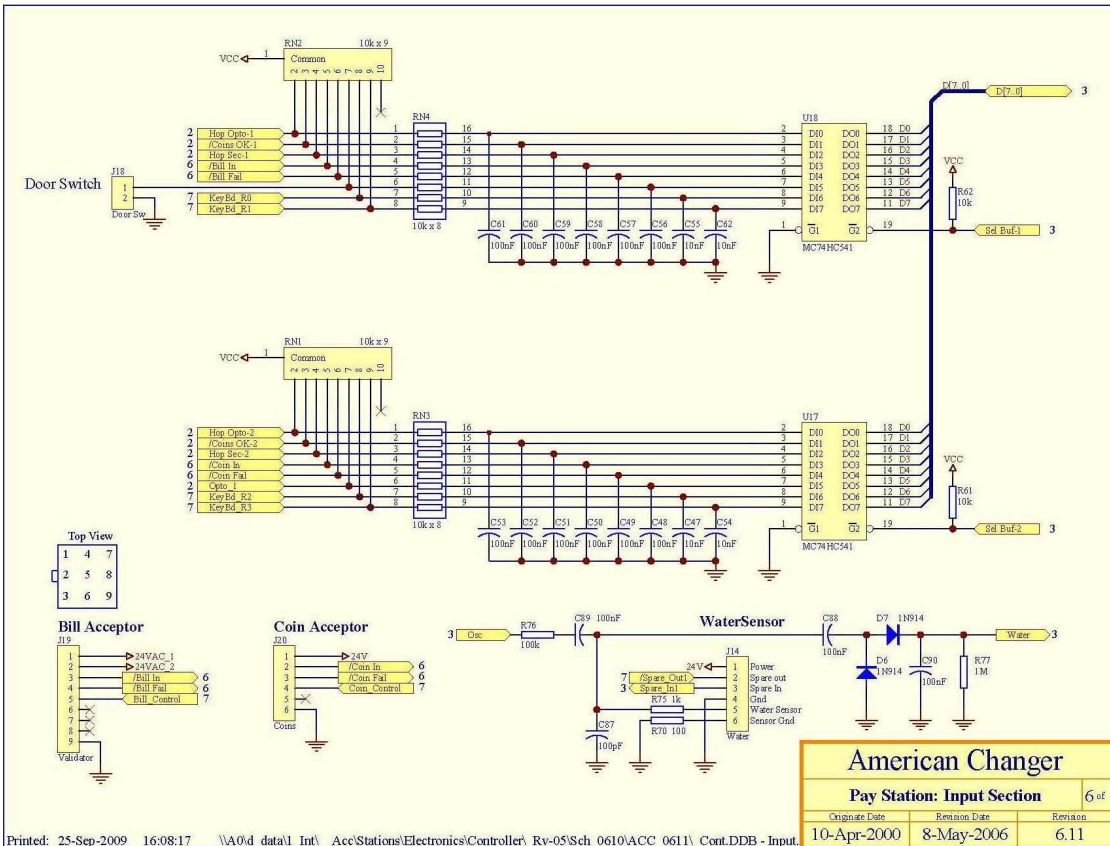


Printed: 25-Sep-2009 16:08:17 \\A0\d\data\1_Int\ AccStations\Electronics\Controller\ Rv-05\Sch_0610\ACC_0611\ Cont.DDB - V-Reg

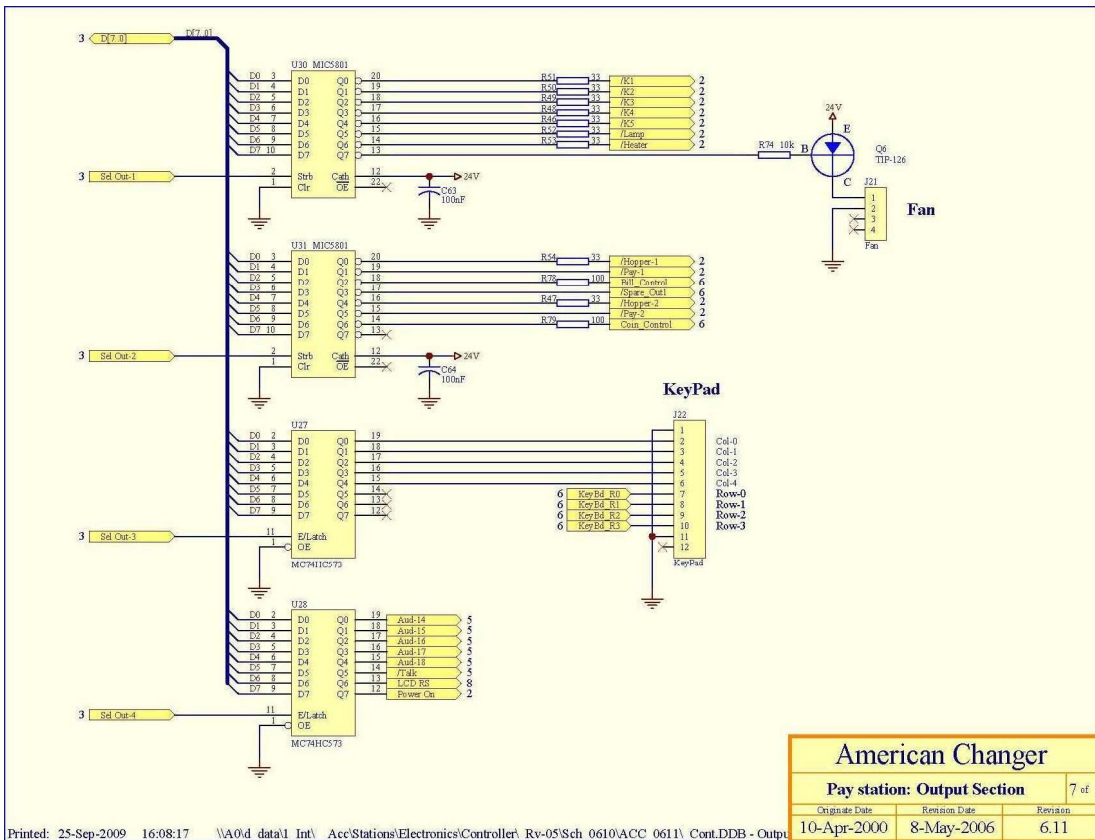




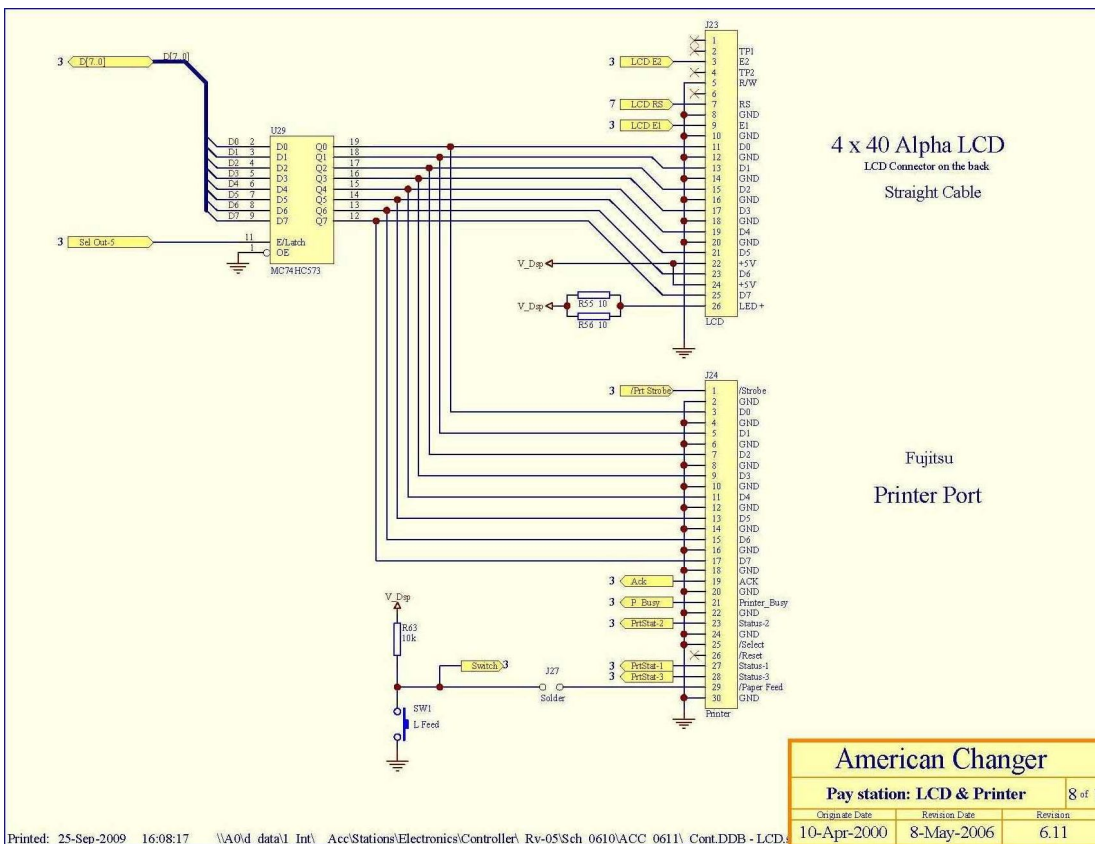
Printed: 25-Sep-2009 16:08:17 \\A0\d_data\1 Int\ Acc\Stations\Electronics\Controller\ Rv-05\Sch_0610\ACC_0611\ Cont.DDB - Audio



Printed: 25-Sep-2009 16:08:17 \\A0\d_data\1 Int\ Acc\Stations\Electronics\Controller\ Rv-05\Sch_0610\ACC_0611\ Cont.DDB - Input



American Changer		
Pay station: Output Section		7 of 8
Originate Date	Revision Date	Revision
10-Apr-2000	8-May-2006	6.11



American Changer		
Pay station: LCD & Printer		8 of 8
Originate Date	Revision Date	Revision
10-Apr-2000	8-May-2006	6.11

Pay Station Relay & Power Supply Board Schematics

American Changer Corporation

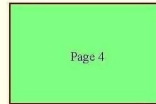
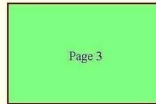
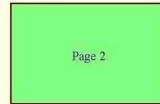
Pay Station

Relay and Power Supply Board

AC -DC

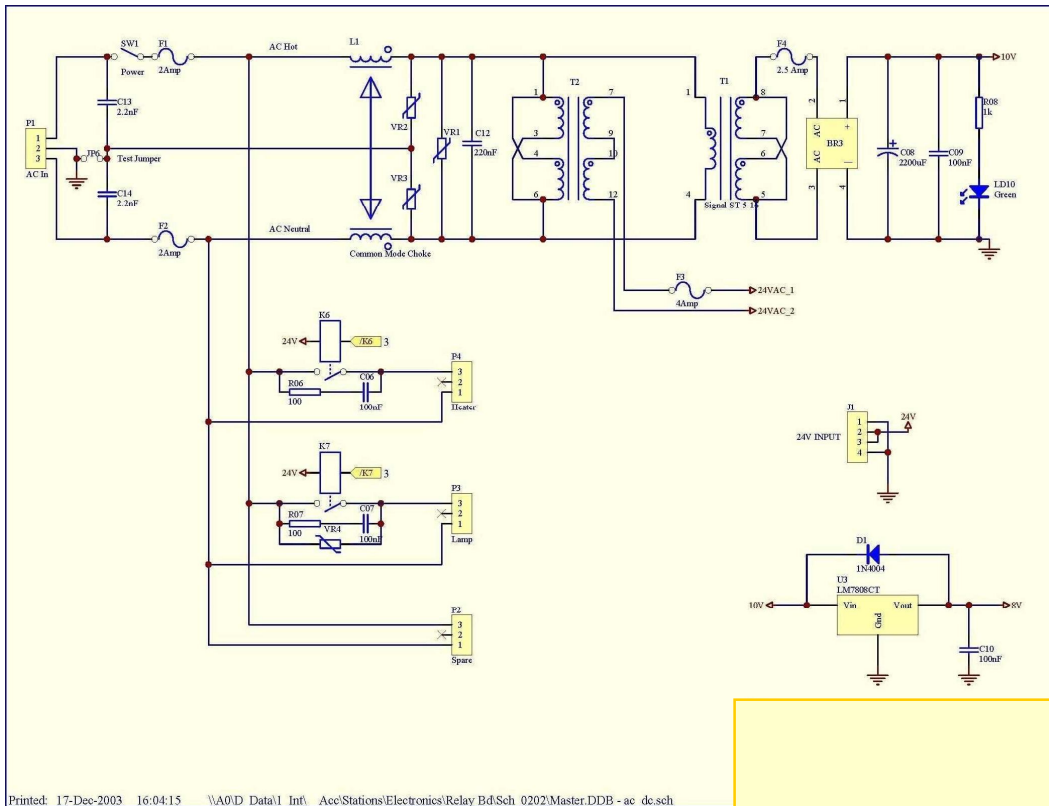
Relays

Notes

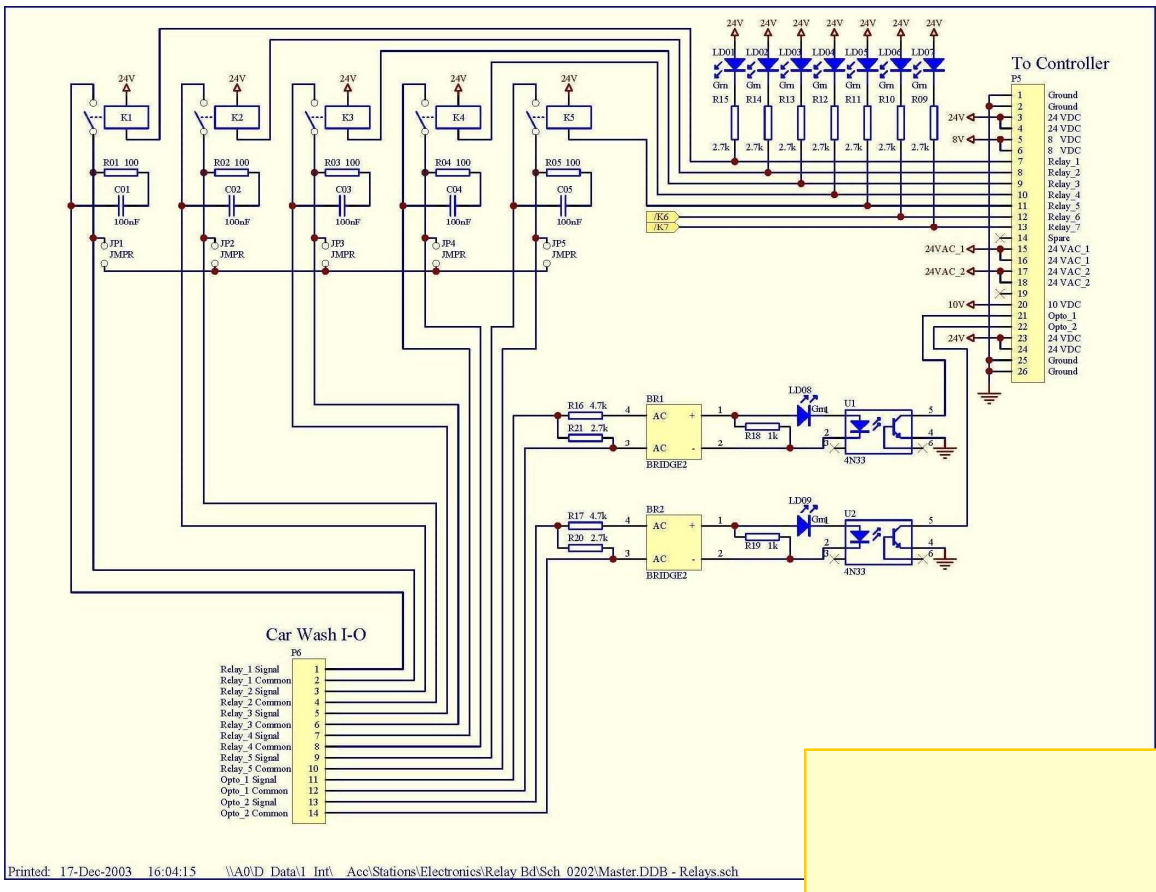


Doc.# 004-04-B014-R02.02
PCB Revision 3, 7-Oct-2002

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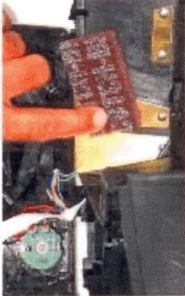
Printed: 17-Dec-2003 16:04:15 \\A0\ID_Data\1_Int\ Acc\Stations\Electronics\Relay Bd\Sch_0202\Master.DDB - Relays.sch

SECTION B MAINTENANCE

A full-size version of the cleaning kit instructions is included in your information packet.


AMERICAN CHANGER MAINTENANCE KIT
Cleaning the Validator(s).

Step 1.



Do not separate the hopper to perform this step!
Using the dry Scotch-Brite pad clean Plates until they shine.

Step 2.

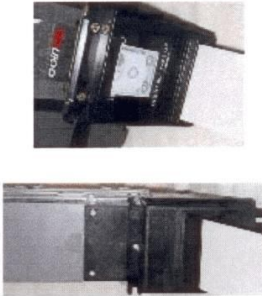


Do not separate the hopper to perform this step!
Place the changer in the dump mode:

1. Turn off power, remove the hopper extension.
2. Hold in "Dump Button".
3. Turn on power.
4. Count 1-2-3
5. Release "Dump Button"

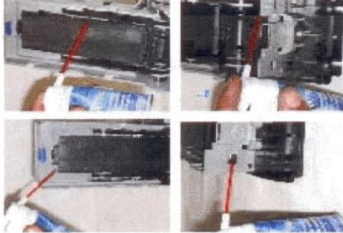
Hopper should now be running. If not Repeat. Spray lubricant on the RED belt ONLY! Spray for 4-5 seconds.
DO NOT SPRAY SILICON ON THE TWO HOPPER LOGIC BOARDS!

Step 3.

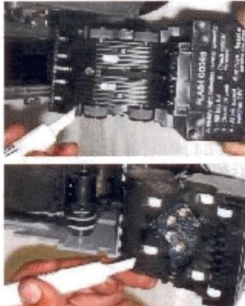


Insert the soap & water-cleaning card as shown. (Card can be used until dry.)

Step 4.



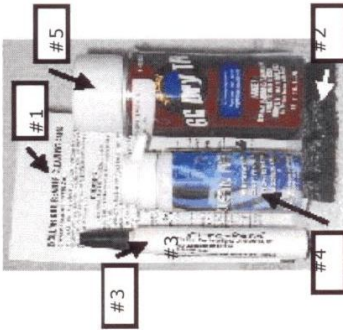
Step 5.



Cycle the power on and off quickly until the stacker for the bill acceptor coasts into the out position. Using the can of air, blow out all of the following places.

Remove the lower unit as shown. Use the Citrus-Pen to clean the optics on the lower housing of the validator.

This completes all maintenance procedures.



This kit includes the following items:

- #1 - 5 Validator Cleaning Cards
- #2 - 4 Scotch-Brite LOW-COIN Cleaning Pads
- #3 - Validator Optic Cleaning Pen
- #4 - 2.75oz Can Compressed Air
- #5 - 4oz Can of hopper Lubricant

Using the Maintenance Kit:

The following maintenance should be performed monthly to extend the life of your components:

Cleaning & lubing the hopper.
NOTICE: THE HOPPER IN THE FOLLOWING STEPS IS SHOWN SEPARATED FOR EXPLANATION REASONS ONLY!!! It is not necessary to separate the hopper to perform these steps!

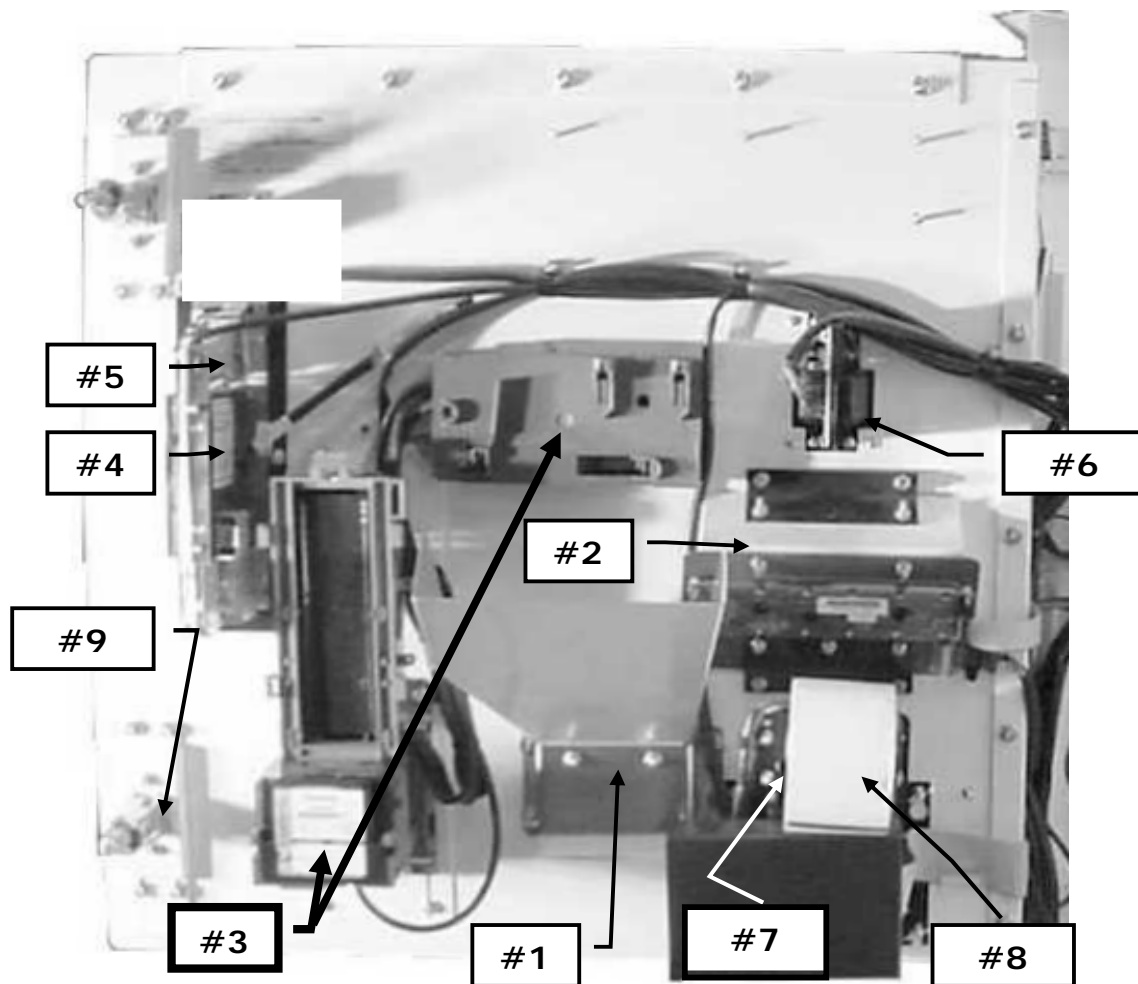
www.americanchanger.com

Tel: (954) 917-5963 Fax: (954) 917-5204

1400 NW 65th Place Fort Lauderdale, FL 33309

"We're Changing The Industry"

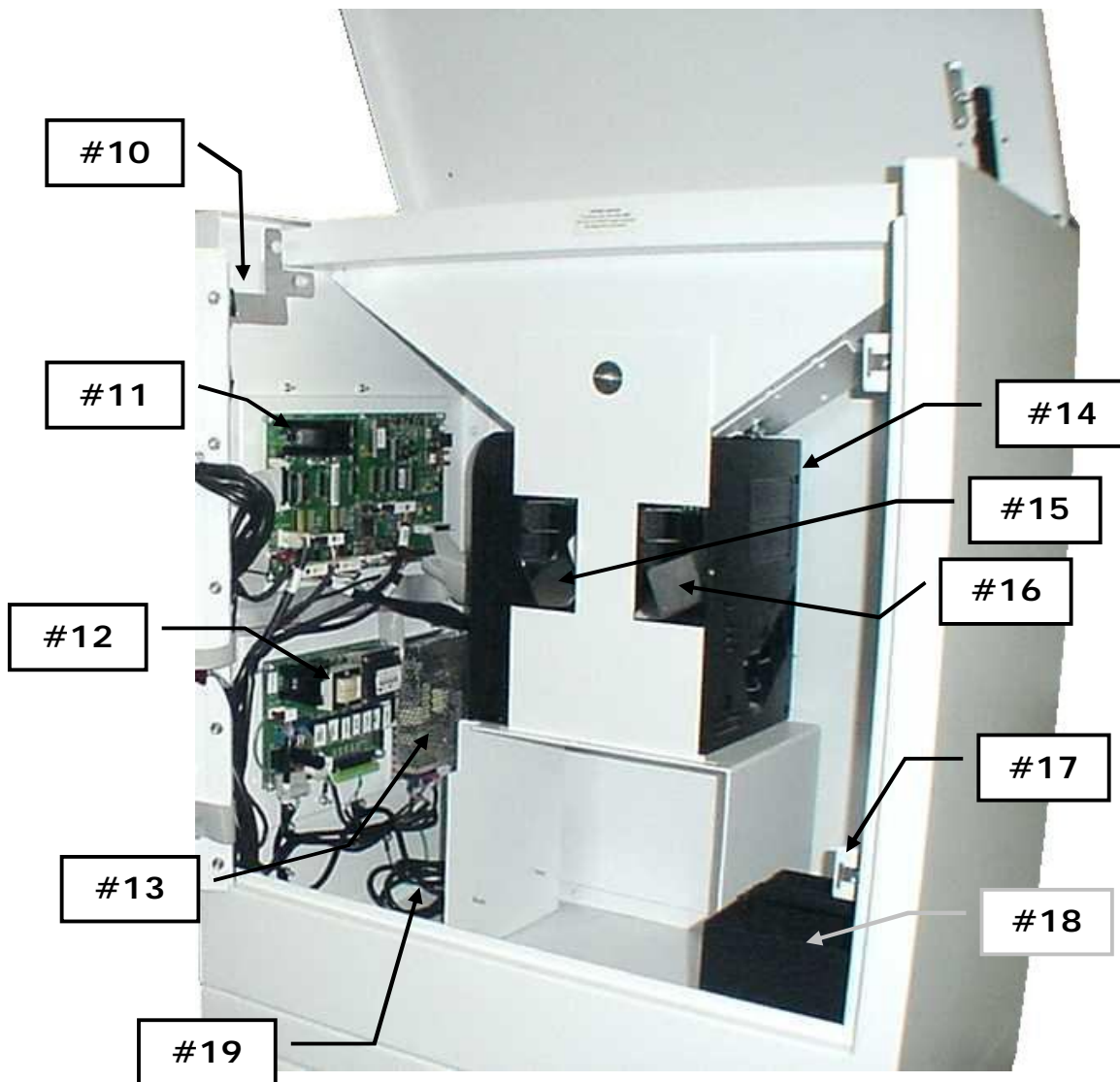
SECTION C AC8007 PARTS LISTS



AC8007 Door Assembly [AC6007 CABINET SHOWN]

AC8007 Door Parts List

#1	-	AC1013	Molded Coin Cup
#2	-	AC8065.1	LCD Display, Complete w/ Keypad
		AC8065.1-RH	Display Ribbon Harness
		AC6066-H	Keypad Ribbon Harness
#3	-	AC9003.2	MEI (Mars) AE2602-U5 Bill Validator
		AC8060-H	Validator harness
#4	-	AC2066.3	Condor Coin Acceptor
		AC2066.5-H & AC2066.3-1H	Condor Coin Mech Harness
#5	-	AC2065-02	Condor Coin Mech. Bracket Holder.
#6	-	AC9090	Credit Card Reader
		AC6090-H	Credit Card Reader Harness
#7	-	AC7084	AC8007 Printer Assembly, Complete w/ Board
		AC7084-H	Printer 24VDC Power Harness
		AC6071-RH	Printer Ribbon Harness
#8	-	AC7071-01	60mm Thermal Printer Paper
#9	-	AC8080	Lock Assembly, Complete



AC8007 Cabinet Interior [AC6007 CABINET SHOWN]

AC8007 Cabinet Parts List

#10	- AC6060-DSH	Door Switch & Harness
#11	- AC8060.2	TokenStation Main Logic Board
#12	- AC8061	Relay / Power Supply Board
	AC6061-RH	AC8060.1 to AC8061 Ribbon Harness
#13	- AC6062	24VDC 5A Switching Power Supply W/Harness
#14	- AC1047	ACC Hopper, Front Load
	AC1047-H	Hopper Plate w/ Harness <i>(NOT SHOWN)</i>
#15	- 2010-104	Left Hopper Chute
#16	- 2010-114	Right Hopper Chute
#17	- AC8010-05	Lock Bracket Assembly, Complete
#18	- AC6010-14	Plastic Quarter Catch Box
#19	- AC2060-03	AC8007 Power Cord w/ 5-pin Block
	AC2042	Metal Coin Catcher (Coin Box) <i>[OPTIONAL - NOT SHOWN]</i>