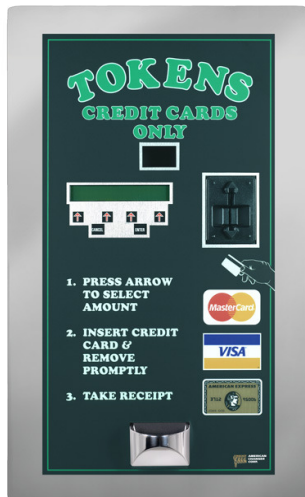




American Changer

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



"TOKENSTATION" – CHANGER

**OPERATIONS MANUAL
MODEL AC2007**

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.
Hopper coin capacities	100/hopper minimum to 2,800/hopper maximum (5,600 total 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

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SECTION A SETUP & INSTALLATION

Setup

Inspect for any connectors or components that may have been dislodged during shipping. The lock and keys for your changer will be inside the manila envelope along with this manual and other pertinent information. To install the lock, insert the cylinder into the hole in the middle of the T-handle and push until it stops. Turn the key until you hear it "snap." Turn the key counterclockwise 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.

Assembling the TokenStation

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

Mounting the AC2007 into a Wall

IF YOU ARE UNSURE IN ANY WAY IN PROCEEDING WITH THE FOLLOWING STEPS, PLEASE HIRE A LICENSED ELECTRICIAN TO MOUNT YOUR CHANGER FOR YOU!

1. Disconnect any and all AC power going to the changer. (Unplug AC line cord from the Power Module Board and from the wall.)
2. Slide the hopper out of the cabinet.
3. Note: You will need to verify with the building code to see if it is allowable to plug the changer into a 3-prong grounded outlet. If it is not, there must be 120VAC run through conduit or other means to meet local codes to the changer. If it is not required, proceed to step #6.
4. Have the electrician run the conduit, install the new breaker, wire and help decide how the wiring will enter the changer (from the side or the bottom). This will affect the mounting location.
5. After the conduit has been installed, proceed with the mounting.
6. Locate the 4 punch-outs on the back or side wall of the changer. Using a screwdriver and hammer, remove the punch-outs by striking them from the inside of the changer.
7. Find an appropriate wall into which to bolt the changer. The wall should have studs or be constructed of concrete.
8. ***NOTE: SECURING THE CHANGER FROM FEWER THAN THE FOUR BOLTS OR WELDED ANGLE IRON MAY BE DANGEROUS. EACH HOLE NEEDS A BOLT THROUGH IT TO SECURELY MOUNT THE CHANGER INTO THE WALL. MOUNTING THE CHANGER IN ANY OTHER WAY MAY RESULT IN THE CHANGER BEING TORN FROM OR FALLING FROM THE WALL, RESULTING IN PERSONAL OR CUSTOMER INJURY ALONG WITH ELECTRICAL SHOCK.***

9. Choose a height to mount the changer, keeping in mind that a handicapped person in a wheelchair should still be able to insert a card into the card reader and/or a bill into the bill validator. (We recommend no higher than 4 feet above the ground.)
10. Have someone hold the changer into the wall while someone else marks the holes. **CAUTION: THE CHANGER WEIGHS 91 POUNDS; DO NOT EXERT YOURSELF SO THAT YOU MAY CAUSE AN INJURY.**
11. **BEFORE DRILLING THE MARKED HOLES, ENSURE THAT THERE ARE NO ELECTRICAL WIRES, TELEPHONE LINES, GAS OR WATER LINES BEHIND THE WALL.**
12. After drilling the holes, put the changer's back into the wall. Thread and tighten bolts.
13. Verify that the machine is securely mounted.
14. If the changer is permanently connected through a conduit, proceed to step #16.
15. Plug the power cord back into an AC wall outlet and into the Power Supply/Relay Board, if necessary. **Do not use an extension cord unless allowed by the building electrical code.**
16. Installation is completed. Proceed to the "Programming the Changer" section.
17. In order to continue, you will need to purchase numerous electrical components. We highly recommend hiring a licensed electrician to perform the following:
 - a. Install the conduit box on the conduit entering the cabinet in the lower left side of the cabinet.
 - b. Secure the 3 wires (hot, neutral and ground) to the AC wall outlet; the ground wire should also be directly attached to the cabinet ground terminal.
 - c. Connect the AC line cord into the bottom of the Power Supply/Relay Board.
 - d. Plug the male end into the AC outlet just installed.
 - e. Properly fold the line cord to avoid sharp corners and any other damage.
17. Proceed to the "Programming the Changer" section.
18. **CALL AMERICAN CHANGER SERVICE DEPARTMENT AT (888) 741-9840 BEFORE USING THE CHANGER.**

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.

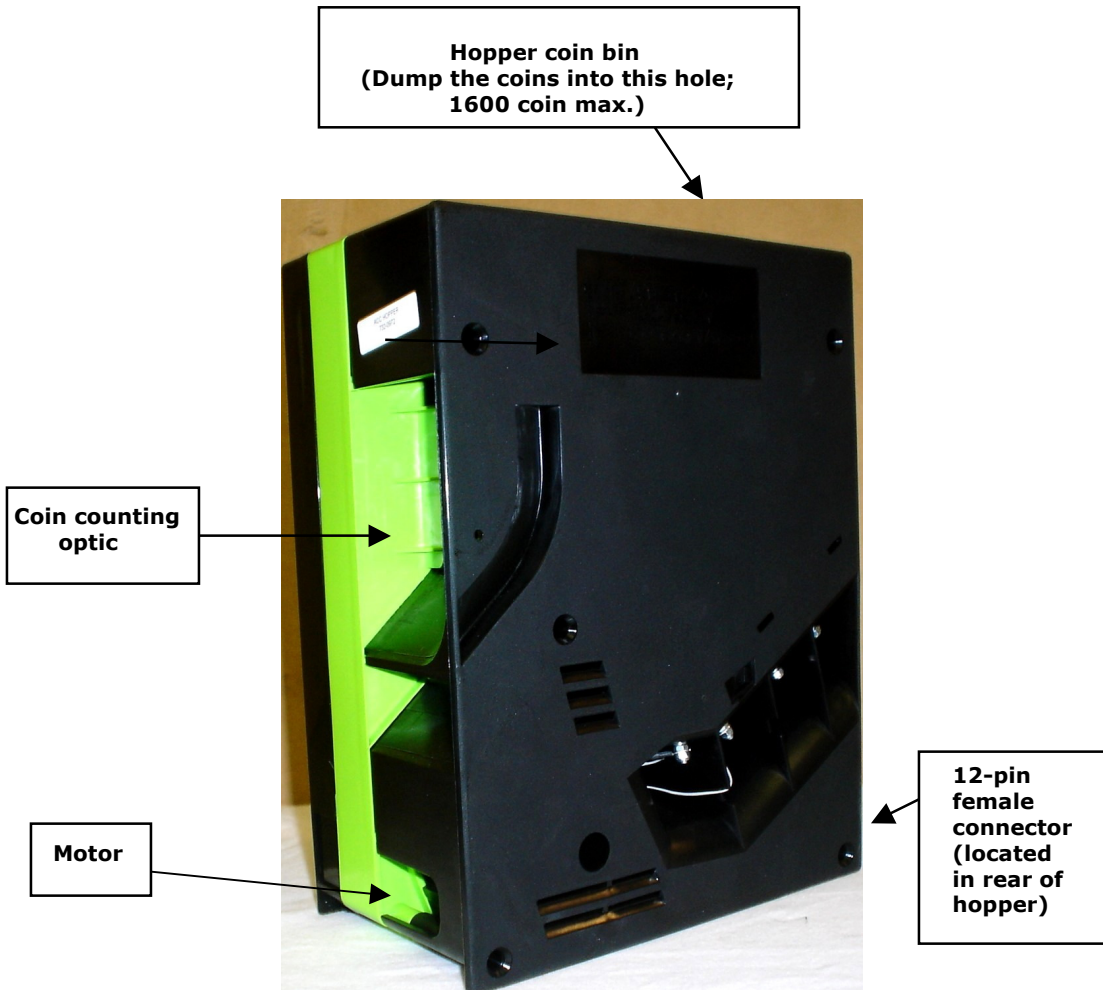


Figure 1 – Hopper

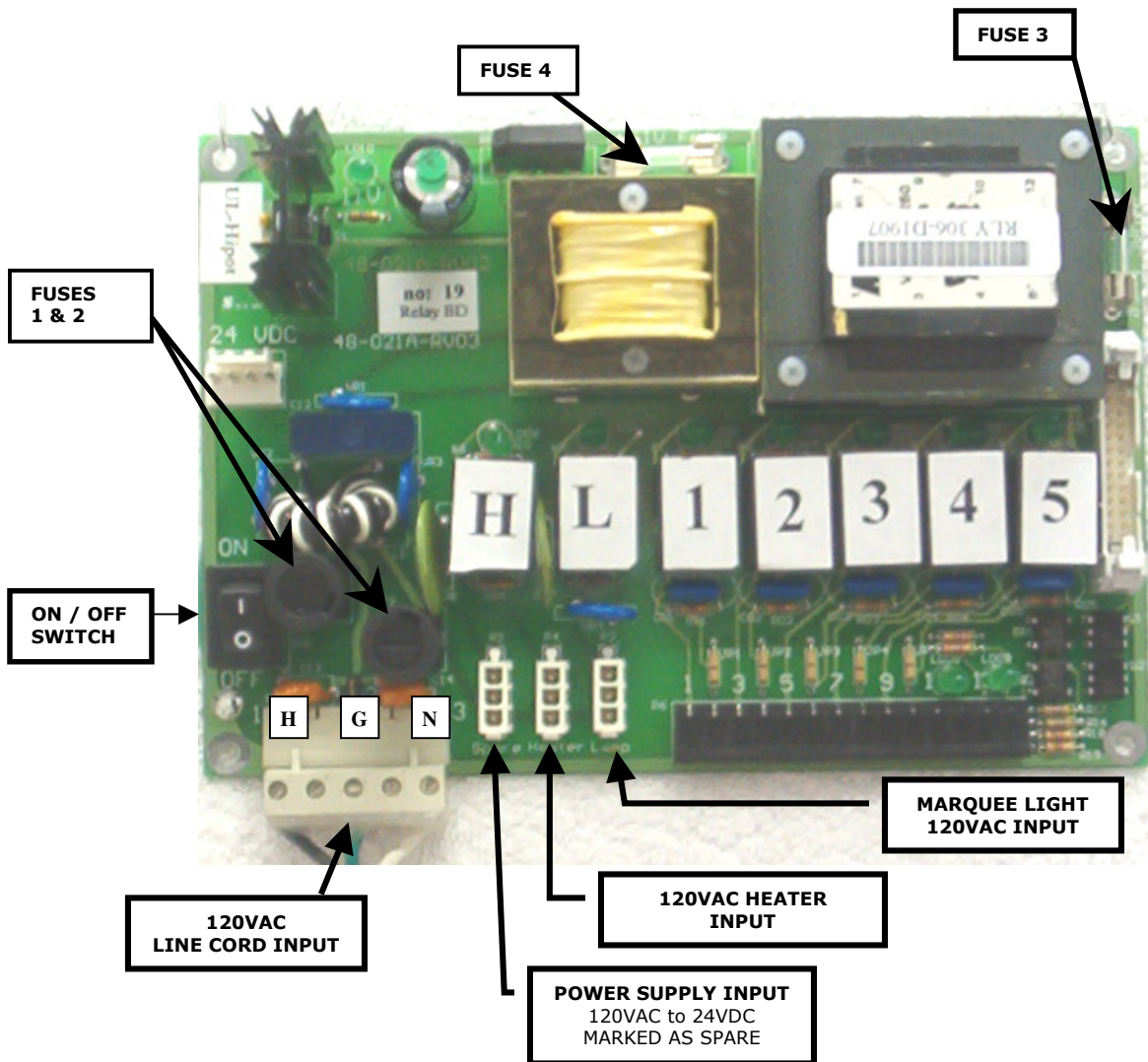


Figure 2 – AC8061 Power Supply / Relay Board

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 3 – 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!***

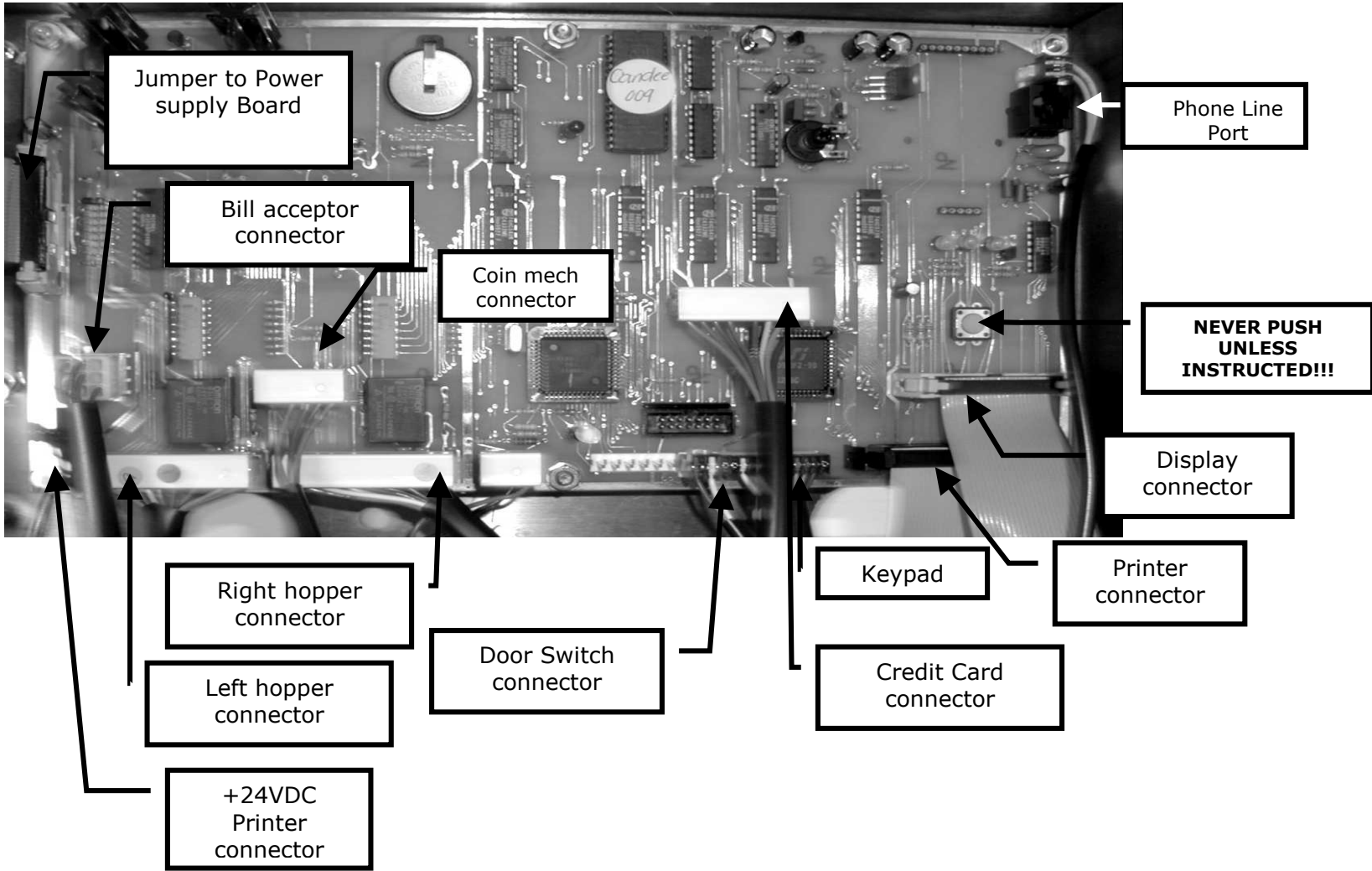
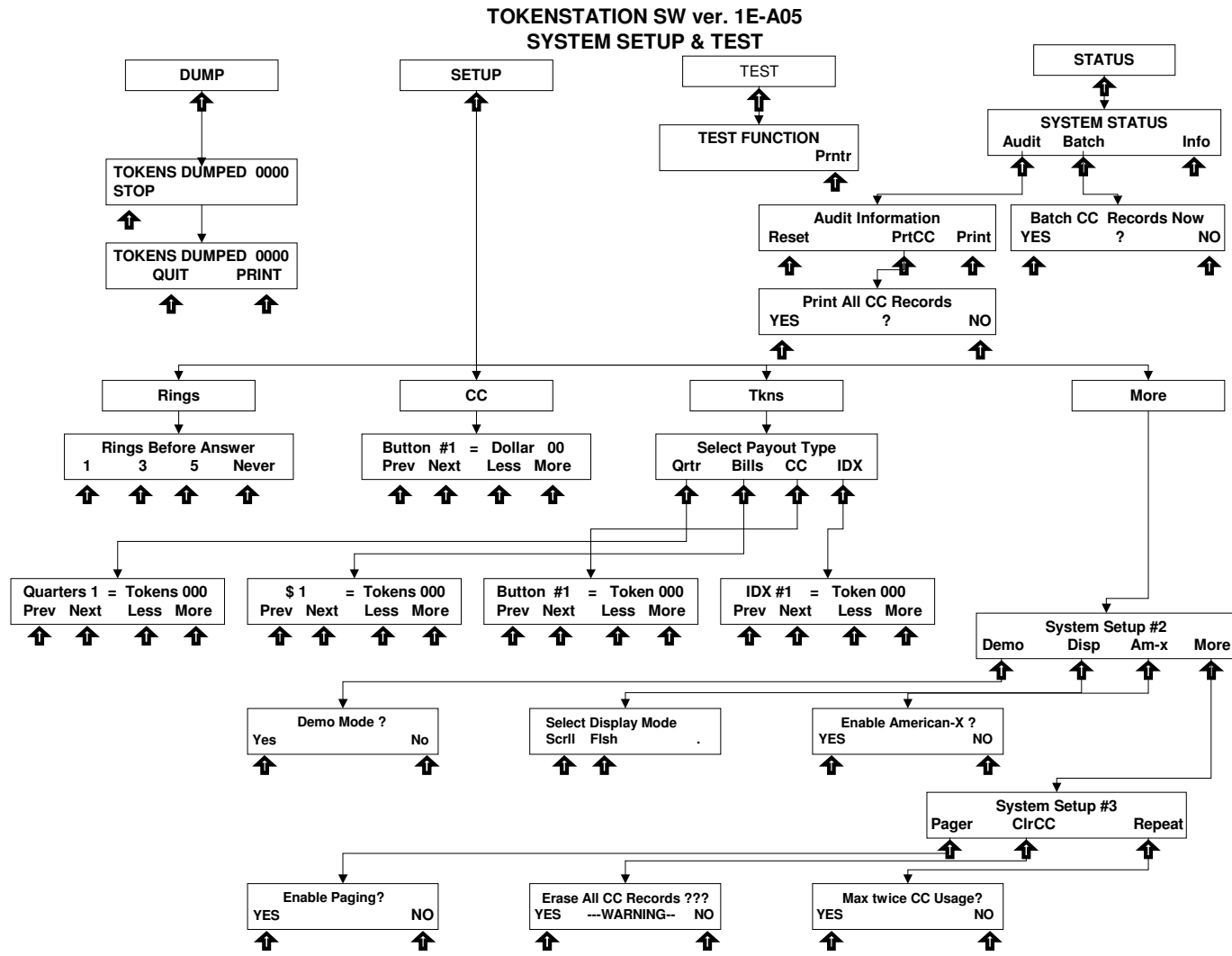


Figure 3 – AC8060.2 Main Logic Board

Programming the AC2007 TokenStation

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AC 2007 PROGRAMMING FLOW CHART



ACCESSING THE PROGRAM MODE

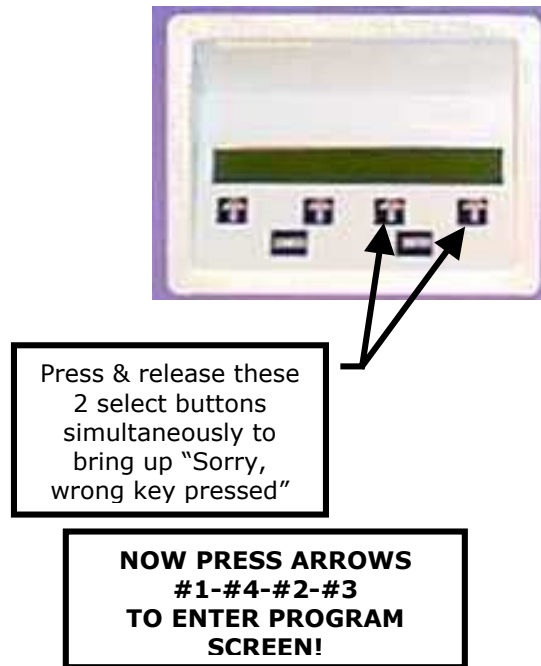
Using the LCD display on the front of the machine programs the TokenStation. The "Program" mode must be entered in order to set token pricing, audit features using the printer, troubleshooting features, and dumping the hoppers.

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.

Open the TokenStation door to at least a 45-degree angle.

Press right two arrow buttons simultaneously.

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-Resettable Counters ==

Non-resettable lifetime machine counters.

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

== Resettable Counters ==

Resettable 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

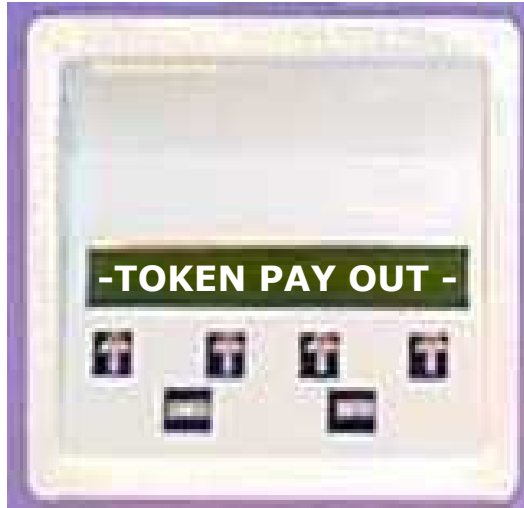
TokenStation Remote Paging Features and Error Codes

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:



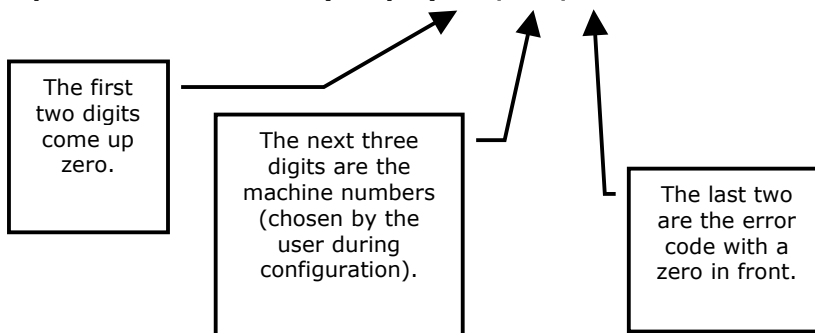
The following is a list of the codes that will be sent to the pager:

*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 AC2007 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 AC2007 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.

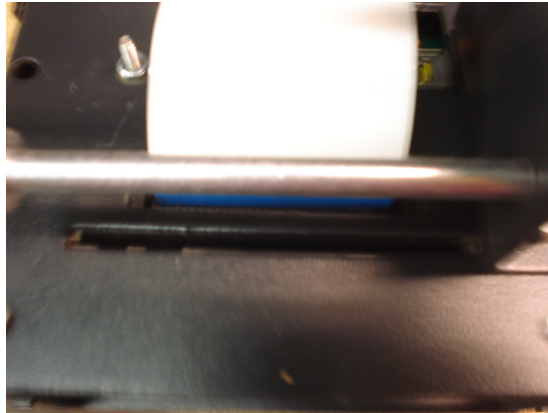


Figure P1: AC7074 Printer – Rear View

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.

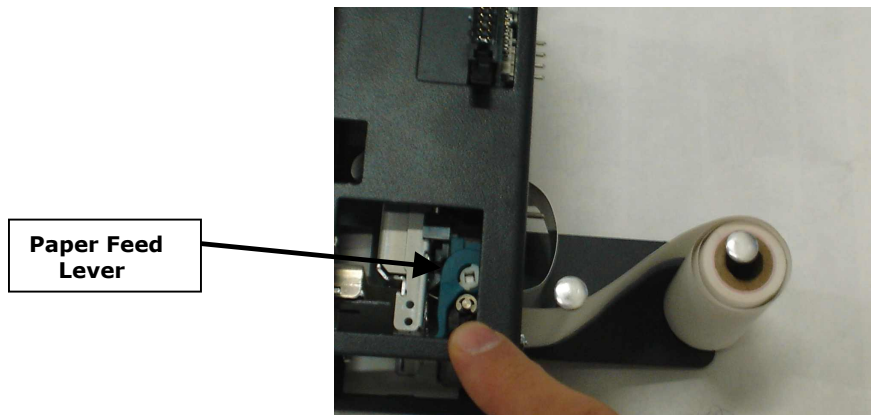


Figure P2: AC7074 Printer – Side View, with Paper

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).

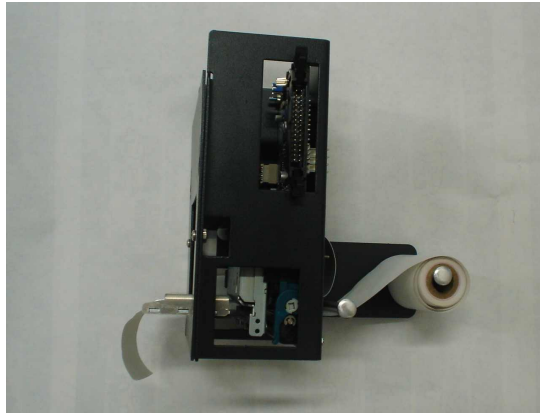


Figure P3: AC7074 Printer – Side View, Showing Proper Roll Placement

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.

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!*

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.

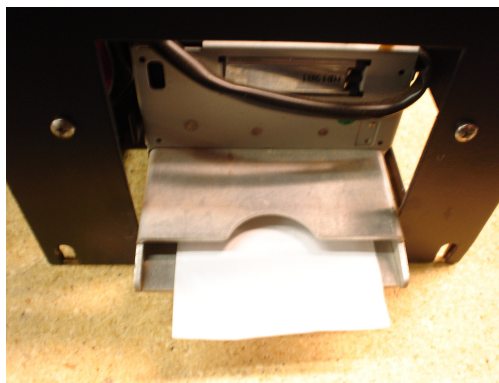


Figure P4: AC7074 Printer – Front View, Paper Fed Through

Functional Description of the AC2007 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.

Car Wash Pay Station Schematics

American Changer, Car Wash Pay Station

- Drammty R01
- Drammty R02
- Drammty R03
- Drammty R04
- Drammty R05
- Drammty R06
- Drammty R07
- Drammty R08
- Drammty R09

- Drammty C01
- Drammty C02
- Drammty C03
- Drammty C04
- Drammty C05
- Drammty C06
- Drammty C07
- Drammty C08
- Drammty C09

- Drammty U01
- Drammty U02
- Drammty U03
- Drammty U04
- Drammty U05
- Drammty U06
- Drammty U07
- Drammty U08
- Drammty U09

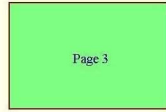
- Drammty J01
- Drammty J02
- Drammty J03
- Drammty J04
- Drammty J05
- Drammty J06
- Drammty J07
- Drammty J08
- Drammty J09



V-Reg



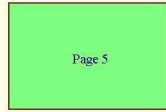
Control



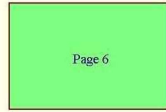
Modem/Credit Card



Audio



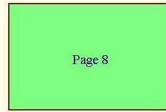
Input



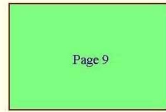
Output



LCD



Notes



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

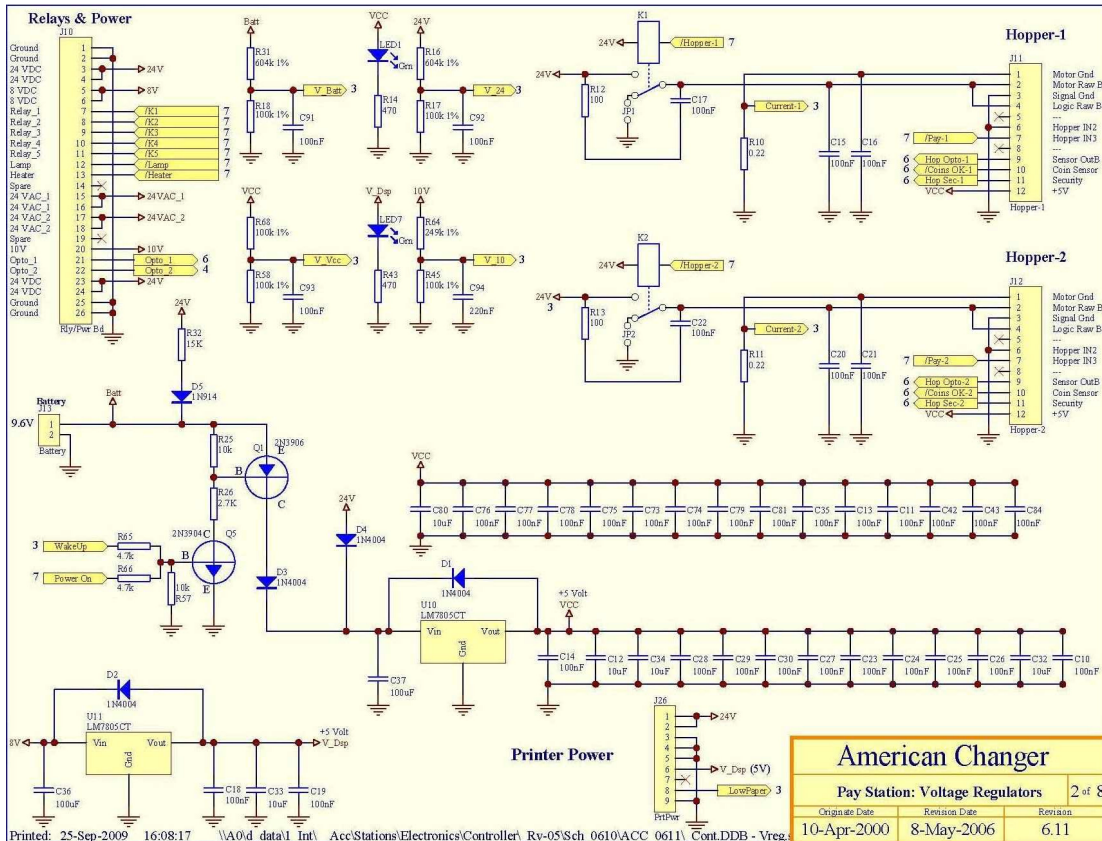
American Changer

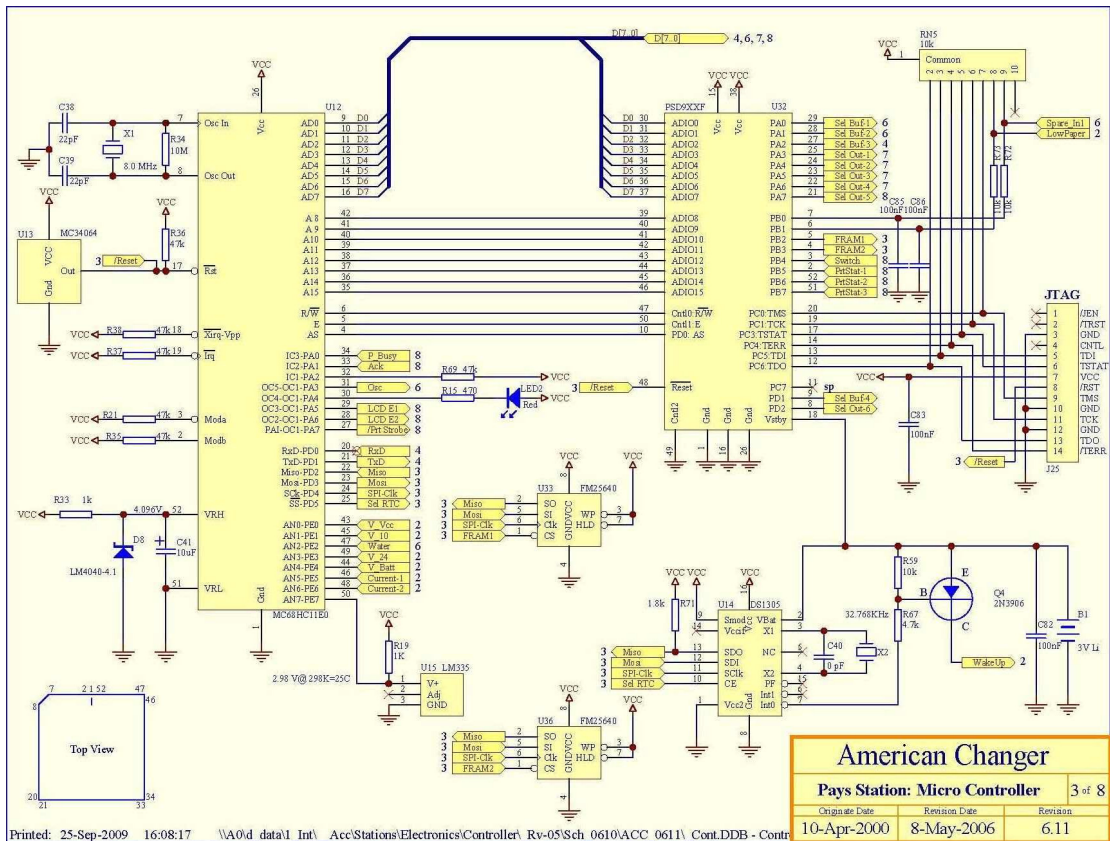
Pay station: Overview

1 of 8

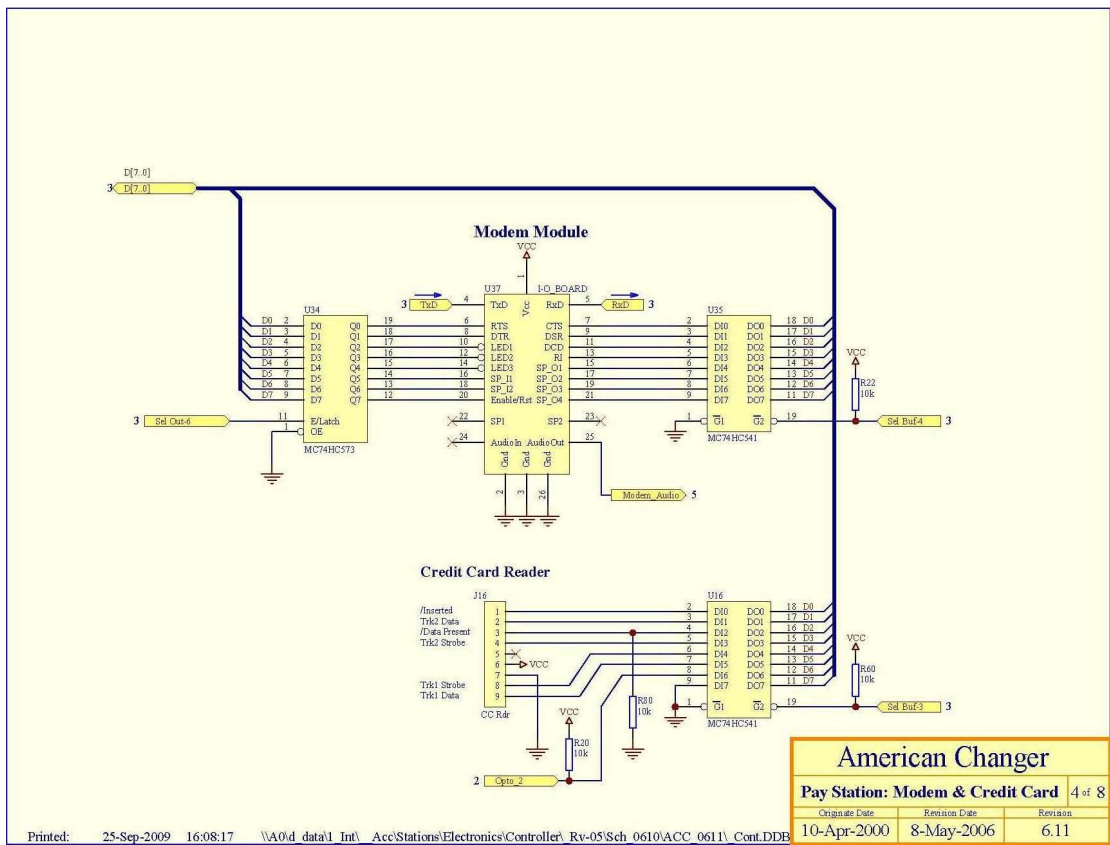
Originate Date	Revision Date	Revison
10-Apr-2000	8-May-2006	6.11

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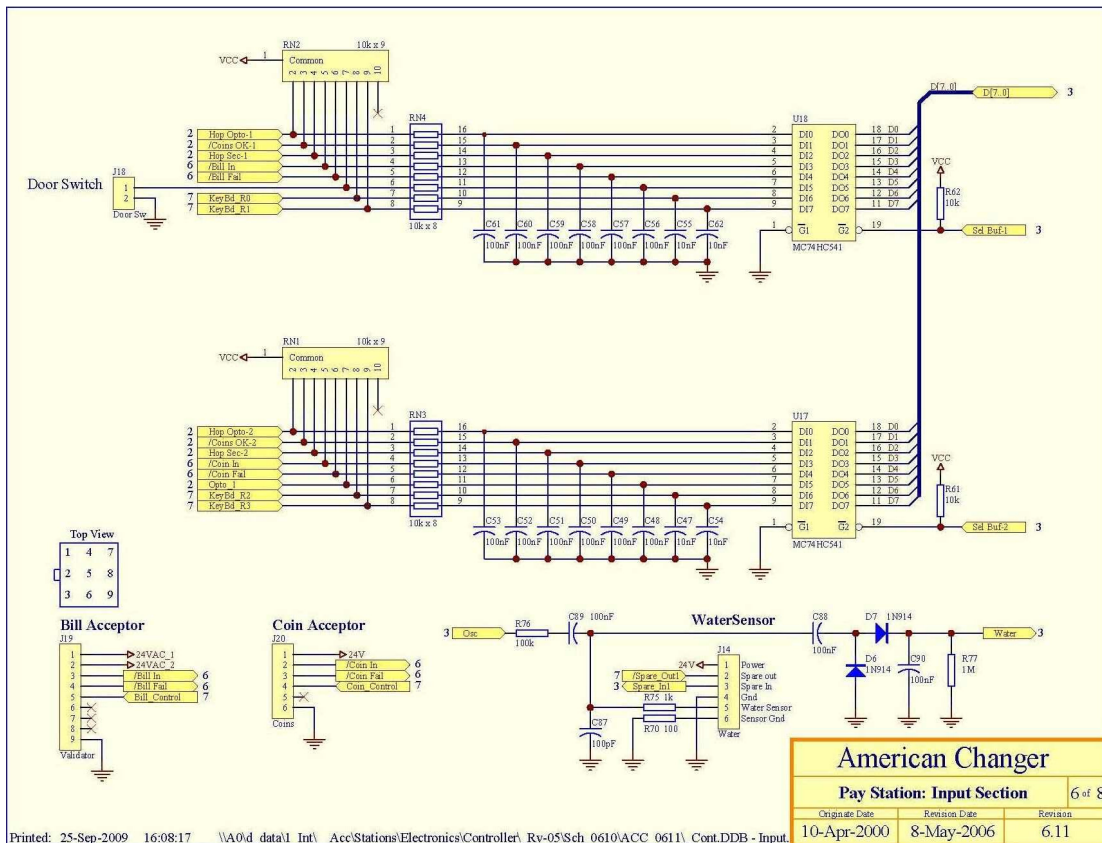
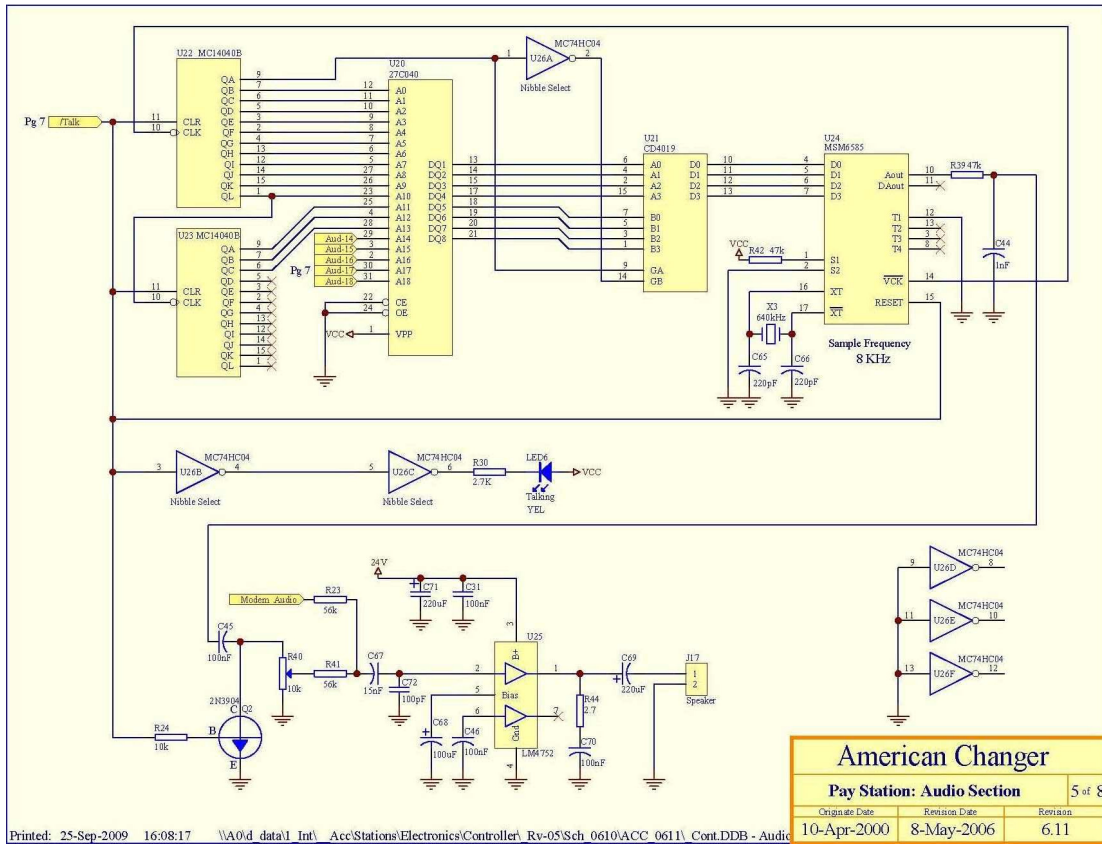


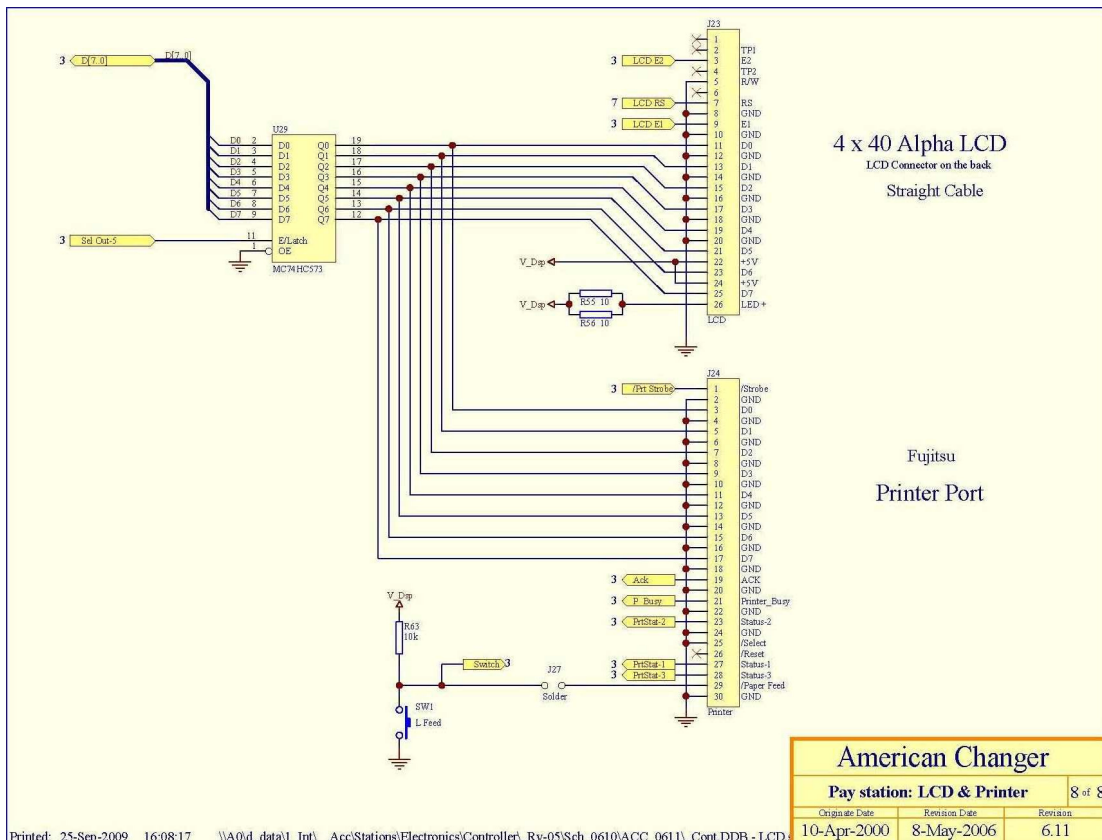
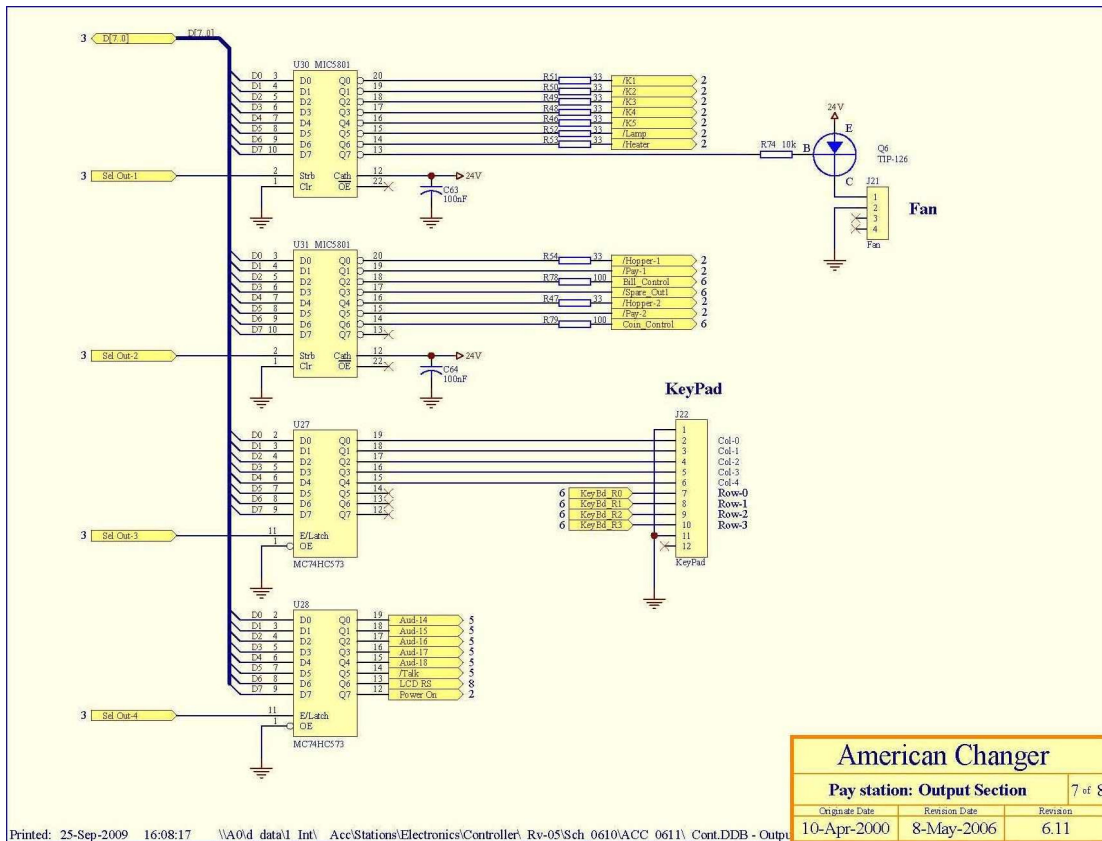


American Changer		
Pay Station: Micro Controller 3 of 8		
Original Date	Revision Date	Revision
10-Apr-2000	8-May-2006	6.11



American Changer		
Pay Station: Modem & Credit Card 4 of 8		
Original Date	Revision Date	Revision
10-Apr-2000	8-May-2006	6.11





Pay Station Relay & Power Supply Board Schematics

American Changer Corporation

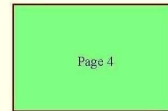
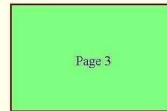
Pay Station

Relay and Power Supply Board

AC -DC

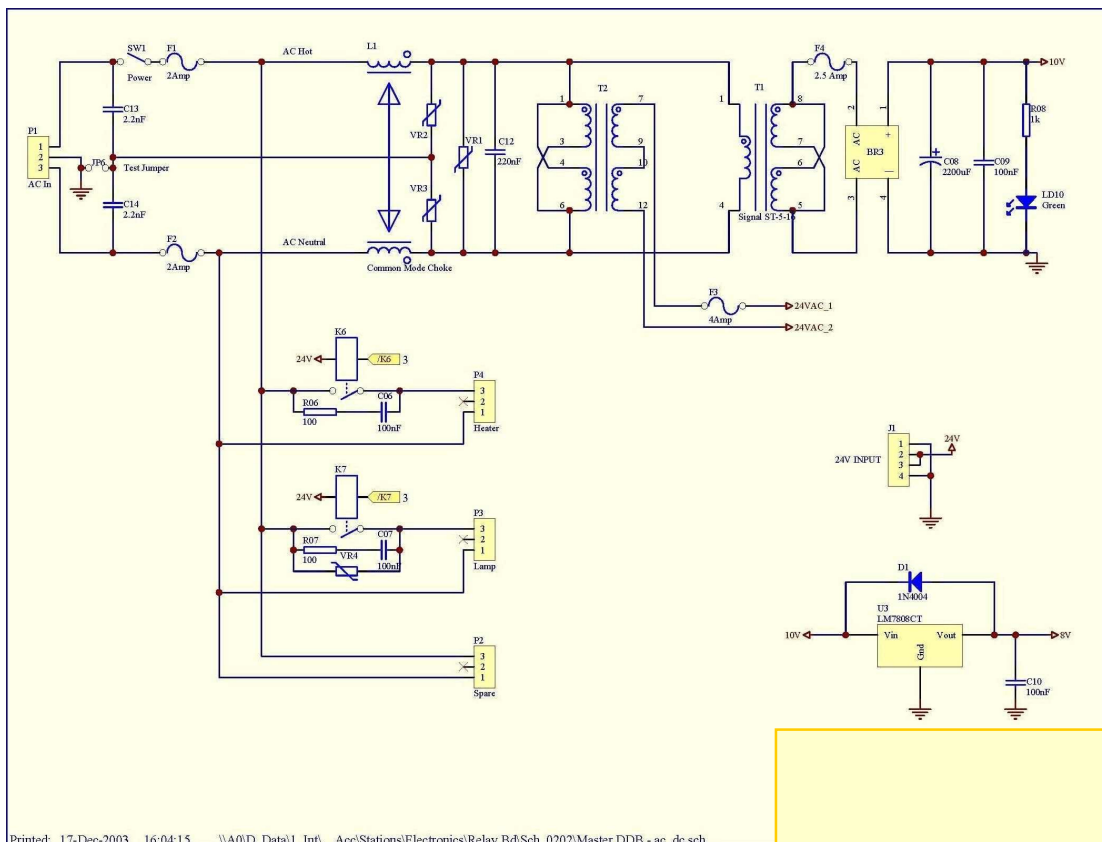
Relays

Notes

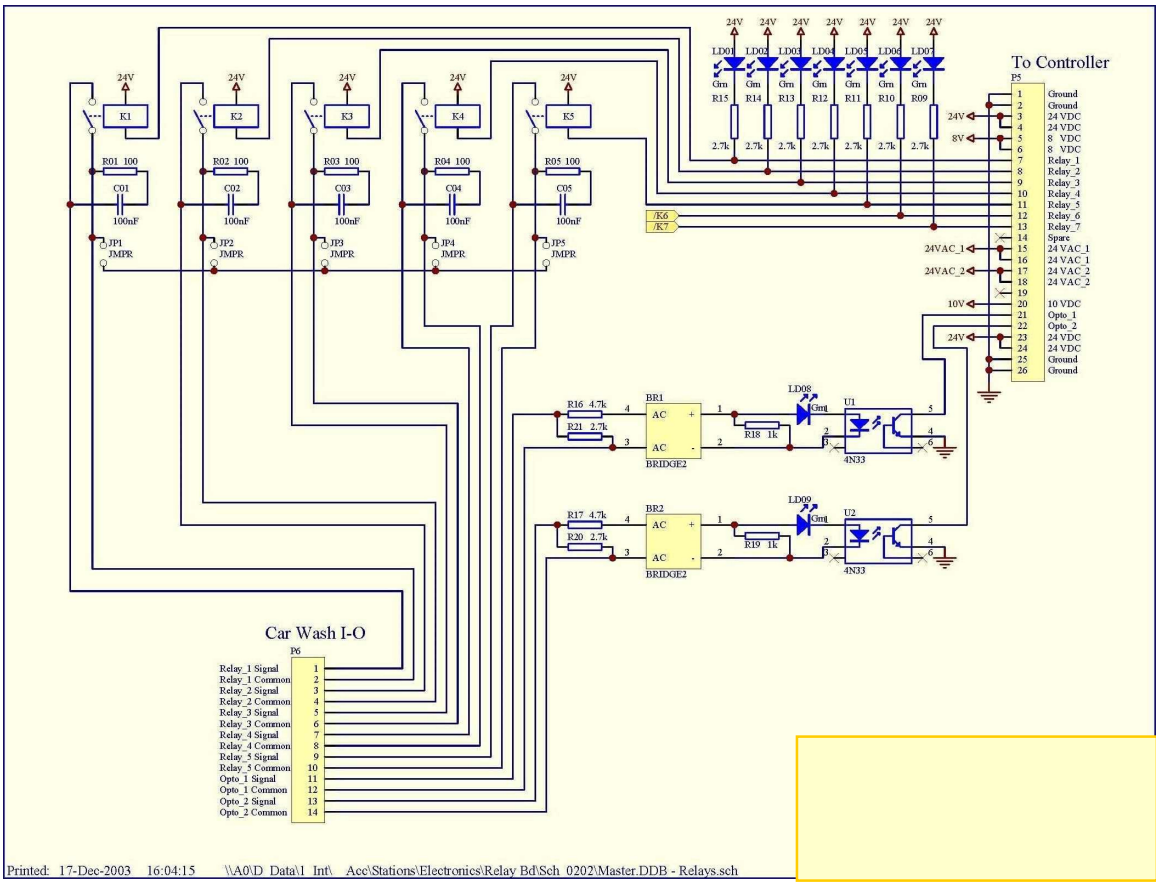


Doc.# 004-04-B014-R02.02
PCB Revision 3, 7-Oct-2002

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Printed: 17-Dec-2003 16:04:15 \\A0\D Data\1 Int\ Acc\Stations\Electronics\Relay Bd\Sch 0202\Master.DDB - ac dc.sch

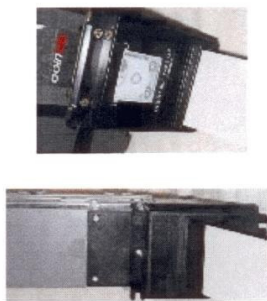


SECTION B MAINTENANCE

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

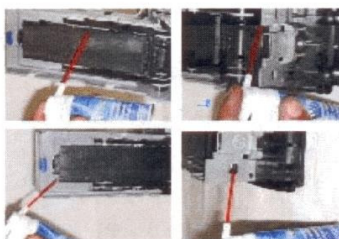
AMERICAN CHANGER MAINTENANCE KIT

Cleaning the Validator(s) Step 3.

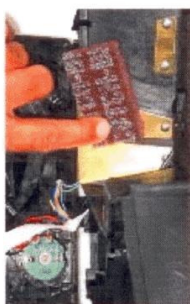


Insert the soap & water-cleaning card as shown. (Card can be used until dry.)

Step 4.



Step 1.



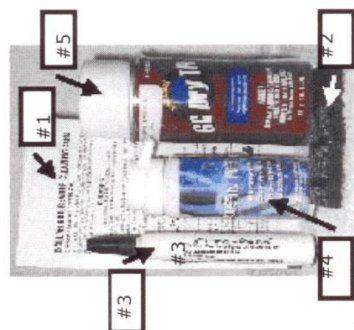
Do not separate the hopper to perform this step!
Using the dry Scotch-Brite pad clean Plates until they shine.

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!



This kit includes the following items:

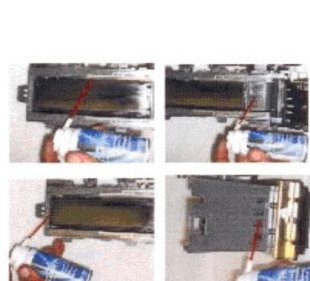
- #1 - 5 Validator Cleaning Cards
- #2 - 4 Scotch-Brite LOW-COIN Cleaning Pads
- #3 - Validator Optic Cleaning Pen
- #4 - 2.75oz Can Compressed Air
- #5 - 4oz Can of hopper Lubricant

Using the Maintenance Kit:

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

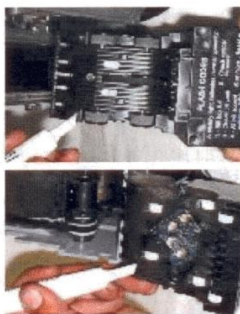
Cleaning & lubing the hopper.

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!



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.

Step 5.



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.

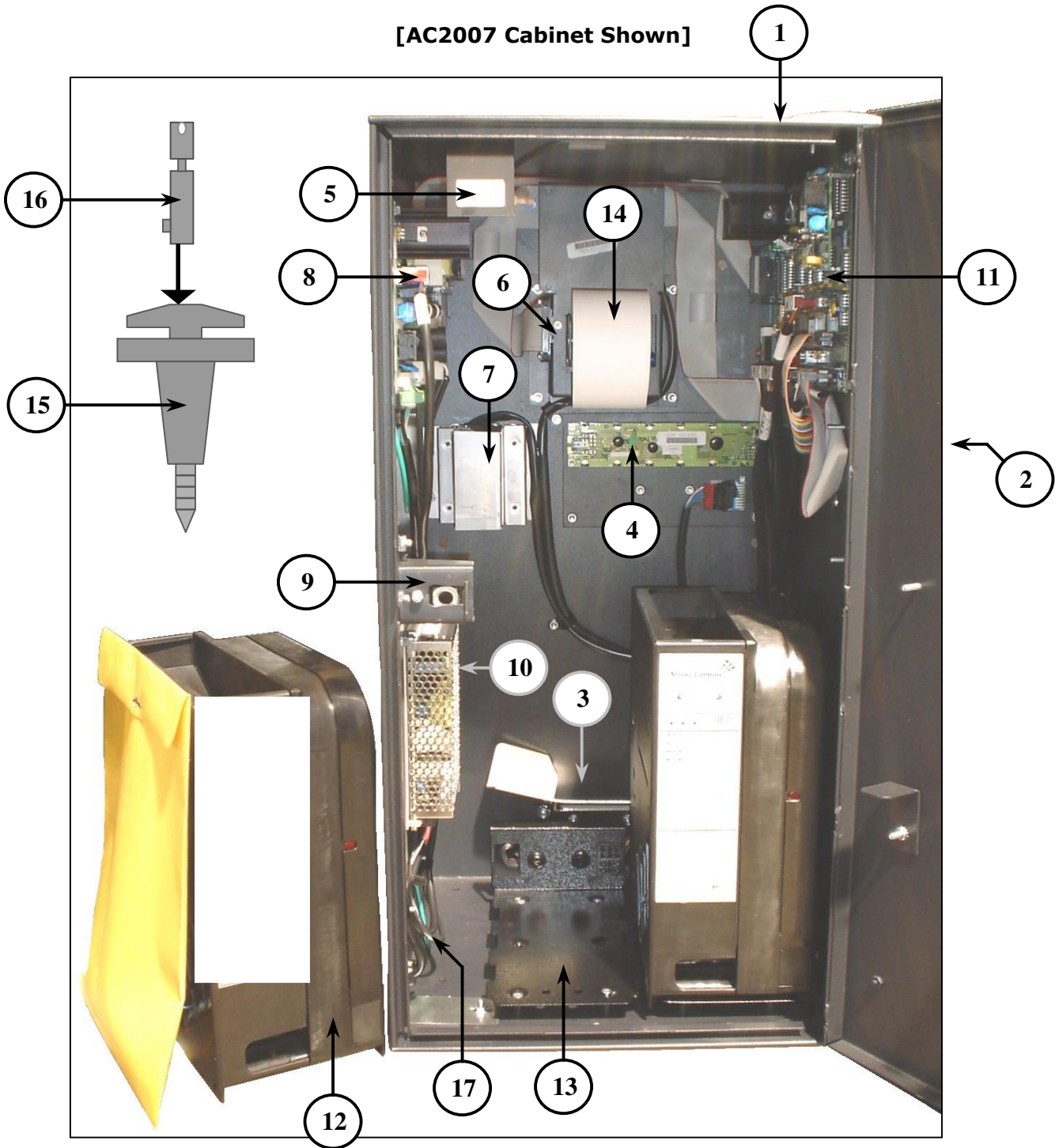
1400 NW 65th Place Fort Lauderdale, FL 33309

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

www.americanchanger.com

SECTION C AC2006/2007 CABINET PARTS LIST

[AC2007 Cabinet Shown]



AC2007 CABINET PARTS LIST

1.	AC2008	AC2007 Cabinet with Door
	AC2087	Stainless Steel Front
	AC2086	AC2007 Lexan Front Sticker
2.	AC8065.3	Key Pad
	AC6066-H	Keypad Wire Harness
3.	AC1013-M	Molded Coin Cup
4.	AC8065.2	LCD Display, Complete
	AC8065.1-RH	Tokenstation Display Ribbon Harness
5.	AC6060-DSH	Door Switch & Harness
6.	AC7084	Citizen Printer
	AC7084-PH	Printer 24VDC Power Harness
	AC7071-RH	Printer Ribbon Harness
7.	AC9090	Magtek Credit Card Reader
	AC6090-H	Credit Card Reader Harness
8.	AC8061	Power Supply / Relay Board
	AC8061-RH	Relay Board-to-Main Logic Board Ribbon Harness
9.	AC2006-LB	Lock Bracket Assembly. Complete
10.	AC8062	24VDC, 5A Switching Power Supply w/ Harness
11.	AC8060.2	TokenStation Main Logic Board
12.	AC1047.1	ACC Rear Load Hopper
13.	AC1047.1-1H	Hopper Plate w/ Harness, Rear Load
14.	AC7071-01	60mm Thermal Printer Paper
15.	AC5080	Screw-In Chrome T-Handle
16.	AC1093	One Lock & Two Keys
	1093-01	Replacement Set of Two Keys
17.	AC2060-03	Power Cord w/ 5-Pin Connector