

Clear Memory Card Corrupt Error

Refer to the following procedure to clear the memory card corrupted error.

Call Maintenance!!!
Memory Card Might Be Corrupted!!!!!!

A Memory Card Corruption usually occurs when the battery on the CPU board is weak, and main power to the machine is turned off.

NOTE

Replace the battery before clearing the memory corrupt error. A weak battery will allow the error to re-occur once power is turned off and on, to the machine.

1. Enter 273685 on the keypad. The following will appear on the controller display.

1=Watch Dogs/Setups
2=Chemical Setups

Selection? 0=exit

2. Select option 1, Watch Dogs/Setups. The following will be displayed.

1=Machine Setup
2=Maintenance Setup
3=Clear Ram Vocabs
4=Passwords 0=Exit

3. Select option 4, Passwords. The following will be displayed.

Level # 1
Password = FF00FF (varies)
Use arrows to scroll
ENTER=Accept NO=Exit

NOTE

Factory default passwords are “Level # 1” 111111 through “Level # 8” 888888.

4. Enter 111111 on the keypad. Press the “Enter”



key to accept the factory default password for level 1. Press the “Arrow Up” key to scroll to the Level # 2 password. The following will be displayed.

Level # 2
Password = FF00FF (varies)
Use arrows to scroll
ENTER=Accept NO=Exit

5. Enter 222222 on the keypad. Press the “Enter”



key to accept the factory default password for level 2. Press the “Arrow Up” key to scroll to the Level # 3 password.

6. Continue programming each level of password, 1–8. After passwords are entered, press the “Arrow Key” to scroll through each password level to visually verify the accuracy of the passwords.

NOTE

The controller’s operations, formulas, and RAM vocabs must be cleared in that order. Clear the operations first, the formulas second, and the RAM vocabs last.

7. Perform the “Clearing All Operations” procedure on page 4–11.
8. Perform the “Clearing All Formulas” procedure on page 4–12.
9. Perform the “Clearing RAM Vocabs” procedure on page 4–13.
10. Perform the “Machine Setup” procedure contained in Chapter 5. Setup must be verified and edited in accordance with the standard and optional features that came with the machine.
11. Finally, if required, perform the “Chemical Setup” procedure in Chapter 6.

Clearing All Operations

CAUTION

The following procedures (Clearing All Operations, Clearing All Formulas, and Clearing RAM Vocabs) will delete existing operations, formulas, chemical names, and chemical units.

CAUTION

Be careful with this selection. Once the operations have been cleared, they are no longer available and **cannot** be recovered.

NOTE

The controller's operations, formulas, and RAM vocabs must be cleared in that order. Clear the operations first, the formulas second, and the RAM vocabs last.

NOTE

These procedures are not needed when using existing formulas. These routines are only needed to download the preset operations and formulas.

NOTE

Clearing operations does not affect the program that contains an operation. The individual steps remain in the program.

1. Enter a valid level 7 password (default = 777777) from the Waiting to Load menu. If the Waiting to Unload message is displayed, press the “No”



and “Enter”



keys simultaneously.

Waiting For Washer
To Receive Load!!!
Depress [YES] Key To
Select Formula.

The main password protected menu is displayed.

1 = Setup 2 = Program
3 = Maint. 4 = Calib.
5 = Totals 6 = Clock
Selection? 0 = exit

2. Press the 2, Program key from the password protected menu.

1=Ops 2=Formulas
3=Clr Ops 4=Clr Form
5=Copy 6=Vocabs
Selection? 0=exit

3. Press the 3, Clr Ops key. The following will be displayed.

Clear All Operations
Load Defaults=NO
Use Yes/No keys
ENTER=accept 0 = exit

4. If you want to load the defaults, press the “Yes”



key, if not press the “No”



key.

Press the “Enter”



key to accept. If the

“Yes”



key is pressed, then the “Enter”



key, then the following will be displayed.

This function deletes *all* operations stored in the controller.

Sure you want to
Clear all Ops?
Key in Password!!!!
NO=Exit

5. Enter a valid level 7 password (default = 777777). All operations have now been erased from memory and defaults loaded. The following will be displayed.

1=Ops 2=Formulas
3=Clr Ops 4=Clr Form
5=Copy 6=Vocabs
Selection? 0=exit

6. Press the 0 key to exit back to the following display.

Waiting For Washer
To Receive Load!!!
Depress [YES] Key To
Select Formula.

Clearing All Formulas

This option clears all of the programmed formulas from memory. This option could be used to clear any formulas created during training, before any working formulas are entered into the machine.

CAUTION

Be careful with this selection. Once the formulas have been cleared, they are no longer available and **cannot** be recovered.

1. Enter a valid level 7 password (default = 777777) from the Waiting to Load menu. If the Waiting to Unload message is displayed, press the “No”



and “Enter”



keys simultaneously.

Waiting For Washer
To Receive Load!!!
Depress [YES] Key To
Select Formula.

The main password protected menu is displayed.

1 = Setup 2 = Program
3 = Maint. 4 = Calib.
5 = Totals 6 = Clock
Selection? 0 = exit

2. Press the 2, Program key from the password protected menu.

1=Ops 2=Formulas
3=Clr Ops 4=Clr Form
5=Copy 6=Vocabs
Selection? 0=exit

3. Press 4, Clr Form. The following will be displayed.

Clear All Forms
Load Defaults=NO
Use Yes/No keys
ENTER=accept 0 = exit

4. If you want to load the defaults, press the “Yes”



key, if not press the “No”



key.

Press the “Enter”



key to accept. If the

“Yes”



key is pressed, then the “Enter”

key, then the following will be displayed.

This function deletes *all* formulas stored in the controller.

Sure you want to
Clear all Forms?
Key in Password!!!!
NO=Exit

5. Enter a valid level 7 password (default = 777777). All formulas have now been erased from memory and defaults loaded. The following will be displayed.

1=Ops 2=Formulas
3=Clr Ops 4=Clr Forms
5=Copy 6=Vocabs
Selection? 0=exit

6. Press the 0 key to exit back to the following display.

Waiting For Washer
To Receive Load!!!
Depress [YES] Key To
Select Formula.

Clearing RAM Vocab

CAUTION

This procedure will clear all of the programmed text, including formula names, operation names, chemical names and units, maintenance prompts, and advanced function prompts. If operations, chemicals, or prompts have been inserted into a formula, they will be changed to the default text. This could cause erroneous chemical totals if the chemical units have been changed.

The RAM vocab (vocabulary) contains the text for the user defined formula names, operation names, chemical units, and prompts. The RAM vocab should not need to be cleared under normal circumstances.

For example: Formula Number 2 was named Light Sheets. After the RAM Vocab is cleared, the formula name will become Formula 2.

Use the following procedure to clear the RAM Vocab.

1. Enter the level 7 password (default = 777777) from the Waiting to Load menu. If the Waiting to Unload message is displayed, press the “No”



and “Enter”



keys simultaneously.

Waiting For Washer
To Receive Load!!!
Depress [YES] Key To
Select Formula.

The main password protected menu is displayed.

1 = Setup 2 = Program
3 = Maint. 4 = Calib.
5 = Totals 6 = Clock
Selection? 0 = exit

2. Select option 1, Setup, from the password protected menu.


1=Watch Dogs/Setups
2=Chemical Setups
Selection? 0=Exit

3. Select option 1, Watch Dogs/Setups.

1=Machine Setup
2=Maintenance Setup
3=Clear Ram Vocab
4=Passwords 0=Exit

4. Select option 3, Clear All RAM Vocab.

Clear All Ram Vocab?
Key in Password!!!
NO = Exit

5. To clear the RAM vocab, enter the level 7 password (default = 777777). Press the “No”  key to quit without clearing the RAM vocab. After the level 7 password is entered, the following will be displayed.

1=Machine Setup
2=Maintenance Setup
3=Clear Ram Vocab
4=Passwords 0=Exit

6. The RAM vocab has now been cleared.
7. Press 0, and exit back to the following display.

Waiting For Washer
To Receive Load!!!
Depress [YES] Key To
Select Formula.

Chapter 5

Machine Setup

NOTE

Answering yes in the machine setup to features that require optional hardware (such as additional chemicals, drain, or flow meter) enables error checking for these components. If the hardware is not installed, the controller will report an error.

Setup Procedure

CAUTION

Do not attempt to toggle between English and metric units while performing the user setup procedure. Unpredictable results will occur.

The machine setup tailors the operation to suit individual preferences and application. These parameters are *global*— they effect all formulas. Some of these parameters (maximum temperature, for example) can also be set *locally*— they override the global parameters but only effect the current formula. Local parameters are normally only used for special circumstances and are controlled through the Advanced Functions. Refer to Chapter 11 for information about local parameters.

Optional components ordered with the machine will be setup at the factory. If options are added after the machine is installed, make sure the required setup changes are made. The following programmable functions should be checked when the machine is installed to make sure the default settings for steam watchdogs, etc. are correct for your application. The functions can be reprogrammed at any time, as required.

Use the following sequence to set up the user programmable features.

Waiting For Washer
To Receive Load !!!
Depress [YES] Key To
Select Formula.

1. Enter the Level 7 password at the Waiting for Washer to Load display.

NOTE

The default level seven password is 777777. The machine is programmed with default passwords at the factory but they can be reprogrammed after the machine is entered into service.

1 = Setup 2 = Program
3 = Maint. 4 = Calib.
5 = Totals 6 = Clock
Selection? 0 = exit

2. Select option 1, Setup.

1=Watchdogs/Setups
2=Chemical Setups
Selection? 0=Exit



3. Select option 1, Watchdogs/Setups.

1=Machine Setup
2=Maintenance Setup
3=Clear Ram Vocab
4=Passwords 0=Exit

4. Select option 1, Machine Setup.


Password Setups
Metric System=No
Use Yes/No Keys
Enter=accept

5. The current setting is shown on the display. The Programmable Functions section describes all of the questions (approximately 53.), in detail. Use

the “Yes”  or “No”  keys and the numbers on the keypad to change the answer to

the setup questions. Some questions require the operator to enter a value.



Press the “Enter”  key to accept the answer.

Press only the “Enter”  key to accept the default or keep the previously programmed value.

NOTE

You cannot go backwards through the questions. If you need to change the answer to a previous question, press Enter to accept the current answers to the remaining questions then restart the procedure.

NOTE

Press the “Clear”  key to clear the numeric value of the current question. When performing the setup after replacing the battery or memory card, always press the “Clear”  key for every item. This will clear all portions of the memory and prevent errors caused by stray characters.

6. Enter the answers to all the setup questions in a copy of the Setup Log, Table 5-4. This will provide a quick reference of how the machine is setup. Use the remarks column to document any special problems or reasons the settings were changed. This may be helpful to another programmer in your absence.
7. The Waiting for Washer to Receive Load menu will be displayed after all the questions have been answered. The setup changes are now complete.

NOTE

The microcontroller does not store the changes in memory until the last setup question has been answered. If power is lost during the setup procedure, the changes will not take effect. Repeat the setup procedure.

Waiting For Washer
To Receive Load !!!
Depress [YES] Key To
Select Formula.

8. If the local area network (LAN) identifier (used with the Data Link communication system) was changed, turn the main power off then turn it back on to activate the change.

NOTE

The microcontroller does not store the LAN I.D. change in memory until the main power has been turned off then back on.

Programmable Functions

1. Metric System

Select Yes to have prompts displayed in millimeters, liters, kilograms, and degrees Celsius. If no, prompts will be in inches, gallons, pounds, and degrees Fahrenheit. This also changes instructions and parameters to English or Metric. For example, if the Metric system is selected, water volume will be programmed in liters. Default = no.

Password Setups
Metric System=No
Use Yes/No Keys
Enter=accept

2. Manual Buttons

Answering yes to this question allows the manual switches on the controller to be activated *without* a password. Answering no disables the manual