Read-Me First

Dear FLASH[2] All-Makes Reprogrammer Owner,

Thank you for selecting the FLASH[2] All-Makes Reprogrammer. Please follow the enclosed pages for simple self-setup and installation instructions. Your successful reprogramming is contingent upon several key factors. Please make sure these steps are followed for your continuous J2534 reprogramming success using the FLASH[2] All-Makes Reprogrammer.

- Register your tool immediately. Create a new account at **www.cardone.com/Flash2** register the tool and set-up your Flash[2] Library account (see Section A1).
- Be sure to regularly visit the FLASH[2] Library by going to **www.cardone.com**, logging in with the user name and password created upon registration. The latest Console software, Tool and OEM Error Codes and Messages Chart, and other helpful flash information can be found in this exclusive library. **Please take a little time to become familiar with the FLASH[2] Library.**
- It is <u>strongly recommended</u> to verify PC/Internet requirements and security–related settings with I.T. personnel, especially if operating on a network.
- Ensure PC requirements are in compliance with the respective OEM requirements. See OEM website for details.
- Ensure Internet settings are in compliance with the respective OEM requirements. See OEM website for details.
- Always refer to the vehicle Service Manual prior to reprogramming a specific ECM. Be aware of any pre- and post-reprogramming requirements as applicable.
- Read and follow all screens, instructions, warnings, and precautions as shown in the FLASH[2] Console <u>and</u> OEM Applications.
- Always start a FLASH[2] Reprogramming event by clicking on the FLASH[2] Console icon.
- All documentation provided in the FLASH[2] User Manual is generic and may not apply to every reprogramming scenario. Any deviations seen should be read entirely and responded to accordingly.
- Ensure all cable connections are secure.
- Ensure vehicle battery is fully charged and stable, as applicable.
- As applicable, ensure all vehicle accessories remain off during the duration of the reprogramming event, including interior lights, i.e., do not open/close the doors.
- Ensure stability and speed of Internet connection, as applicable.
- Ensure your email address is kept current for important Flash information and updates. If your contact information changes, please communicate this by connecting to ordernow@cardone.com. Include: E-mail address, store name, address <u>and</u> device serial number located on back of tool.
- Technical Services Hotline: 888-280-8324, 8:30 am - 6:30 pm EST, M-F

Subject:	Read-Me First		Doc. #	A1
Orig. Date: 6/10/10		Rev. Date: 8/9/10	Rev. Level:	002

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Subject:	Read-Me First		Doc. #	A1
Orig. Date: 6/10/10		Rev. Date: 8/9/10	Rev. Level:	002

Section A1 Page 2 of 2

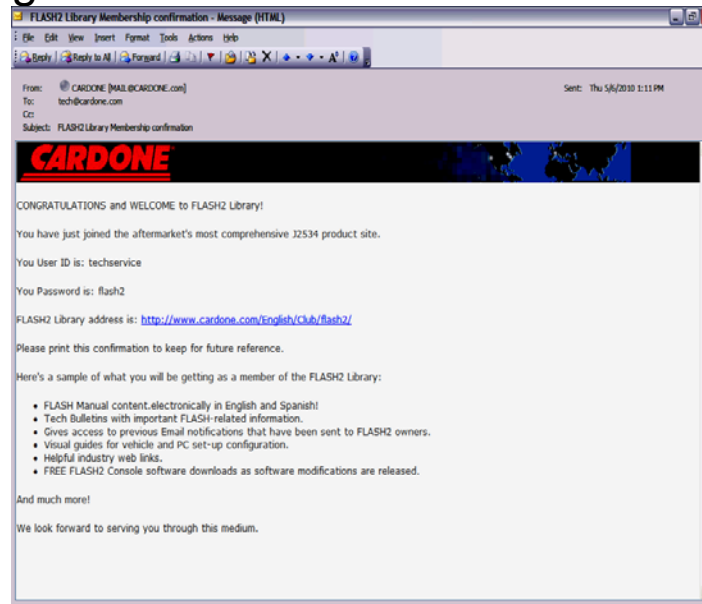# Registration of the Flash Tool

Go to www.cardone.com/flash2. Input the required information starting with the tool serial number.

When all requested information is entered, click **Register Now.**

An acknowledging email will be sent to the email address that was used in the process of creating the username and password.

This will then redirect you to www.cardone.com. You can now log on using this username and password to gain access to Flash2 Library.

| Orig. Date: 12/12/99 | Rev. Date: 07/22/10 | Rev. Level: 000 | Doc. #   A2 |
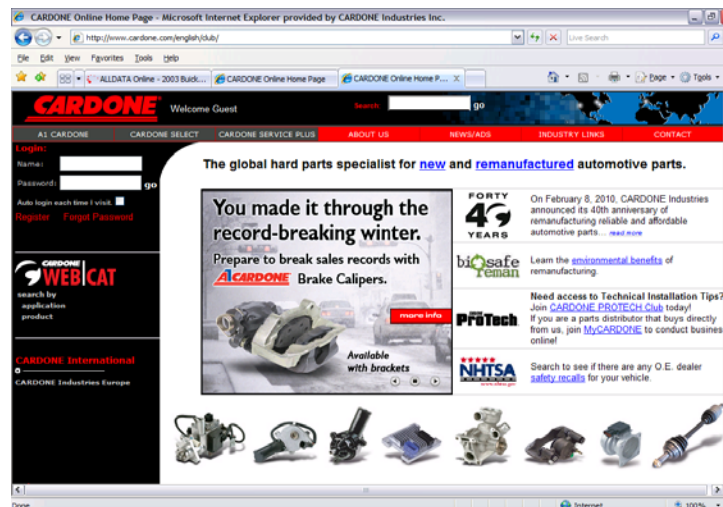
Flash^2 Software Installation

## SOFTWARE INSTALLATION - Flash^2 All-Makes Reprogrammer

1. It is highly recommended to completely uninstall any other J2534 device software application on the PC system the FLASH^2 Console Software will be installed on. This will eliminate confusion and any possible conflicts.
2. DO NOT connect the FLASH^2 device to the PC. Close all open, running applications on the PC.
3. Insert the FLASH^2 Console Software CD into the disk drive and wait. If the program does not start automatically, go to Start, Run, Browse, X:\ (CD drive) and click on "Flash2Console_Cardone". Select "Open" and then "OK".
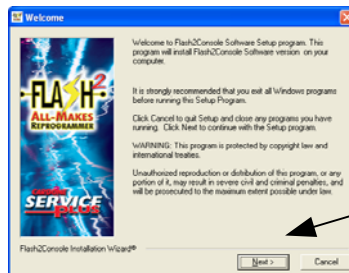
- Please read, then click "Next".
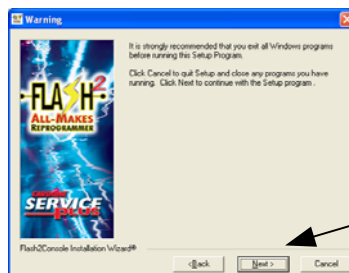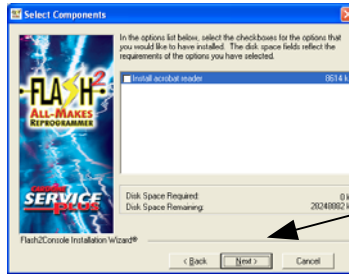
- Please read, then click "Next".
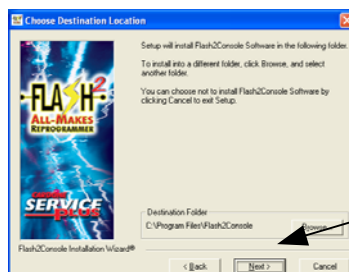
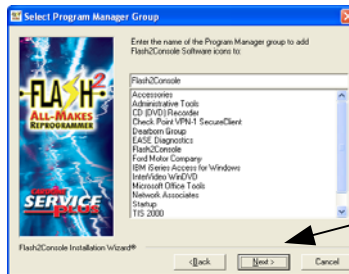- Please read, then click "Next".

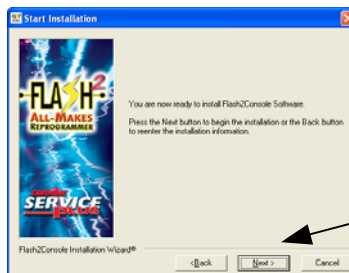| Subject:	Flash2 Software Installation Guide		Doc. #	A3
Orig. Date: 6/10/10		Rev. Date: 7/22/10	Rev. Level:	1

- Please read, then click "Next".

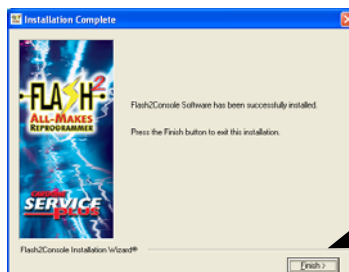- Please read, then click "Next".

- Please read, then click "Next".
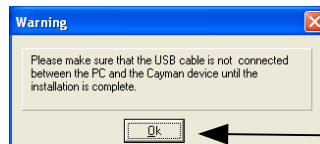
- Please read, then click "OK".

- Please read, then click "Finish".
- The FLASH² Console Software application is now installed on the PC. Notice the new FLASH² icon on your desktop.

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4. Connect the FLASH² All-Makes Reprogrammer to PC.
    *   Power the FLASH² device by using the AC/DC power adaptor and plugging it to the FLASH² device.
    *   Make the connection to the PC using the USB cable provided - one end to the PC and the other to the FLASH² device.
    *   See below:
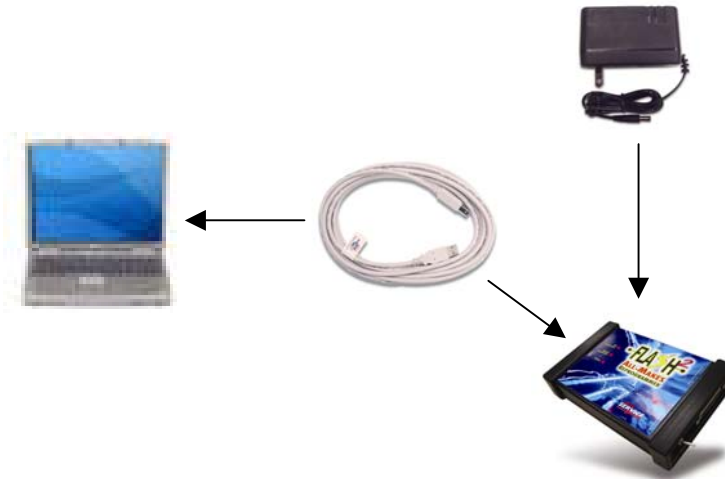
*   Wait for and notice any hard drive activity via a blinking drive light on the PC and/or "chirping" noise. A "Hardware Installation" screen may appear. If so, continue with the following steps. If not, installation is complete.
*   Click "Continue Anyway" at the Hardware Installation warning screen. (Note: if the "Hardware Installation" warning screen is not displayed, installation is complete.)
*   From the "Found New Hardware Wizard" screen, select "Yes, this time only" and then click "Next".
*   Select the "Install the software automatically (Recommended)" radio button to install the required driver and then click "Next".
*   Click on "Finish" to complete the driver installation.

CONGRATULATIONS! The FLASH² All-Makes Reprogrammer is installed and ready to use! Continue by following the respective OEM section(s) of the FLASH Manual.

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Subject:	Flash2 Software Installation Guide	Doc. #	A3
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Generating a Log File

NOTE: Log all events. Only those flash events that "FAIL" needs to be emailed.
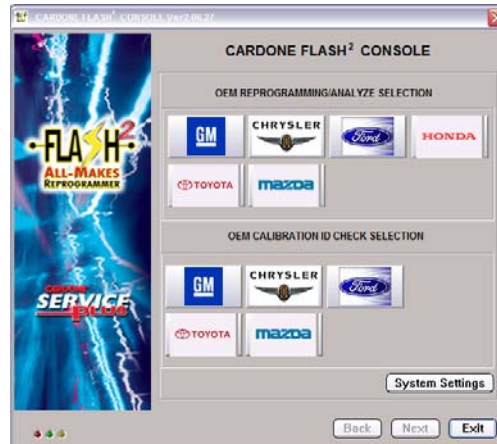
- Click on "System Settings".

- Click on "Logging".

- Click the "Logging ON" button.

Subject:	Generate Log File		Doc. #	A4
Orig. Date: 6/10/10		Rev. Date: 7/26/10	Rev. Level:	1

- Make sure the "Error" and "Trace" Logging Types are checked and click "Ok".
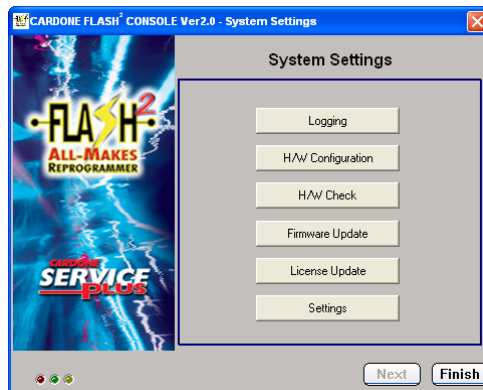
- Click "Finish".
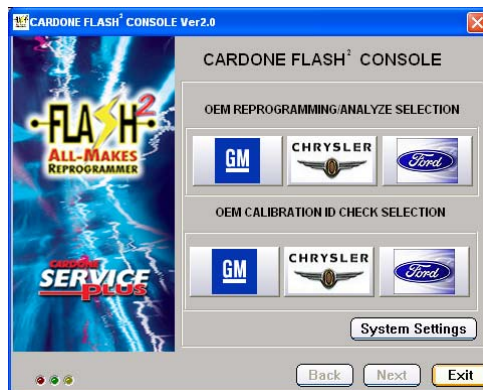
- Perform your reprogramming event.

Subject:	Generate Log File		Doc. #	A4
Orig. Date: 6/10/10	Rev. Date: 7/26/10		Rev. Level: 1	

Generating a Log File
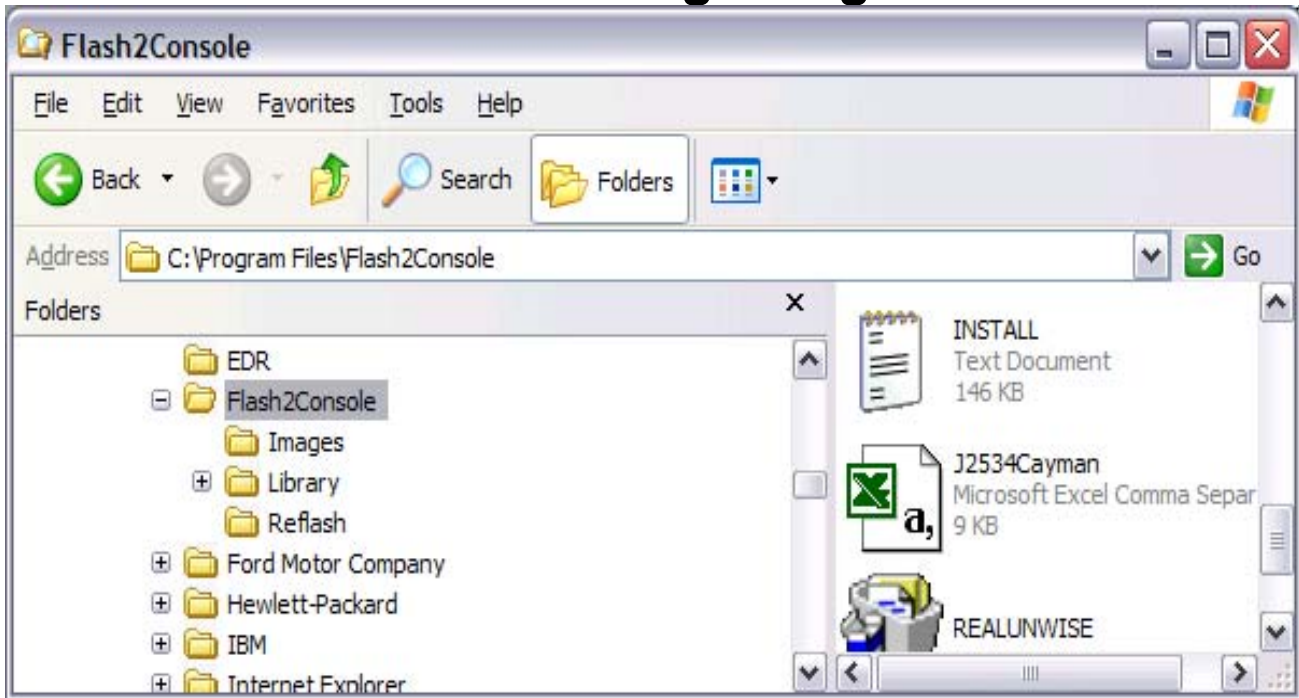
- Once you've completed your reprogramming or attempted reprogramming event, look for the "J2534Cayman" icon. In the listed location. Right-click on the icon and click on Send to, Mail Recipient". The email address to send it to: ordernow@cardone.com. Please put the "subject" as "PASS" or "FAIL", depending on your event.
- Include in the email the Application and VIN.

Subject:	Generate Log File		Doc. #	A4
Orig. Date: 6/10/10		Rev. Date: 7/26/10	Rev. Level:	1

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Subject:	Generate Log File		Doc. #	A4
Orig. Date: 6/10/10	Rev. Date: 7/26/10		Rev. Level:	1

Firmware Update

- Open FLASH[2] Console and click on SYSTEM SETTINGS.
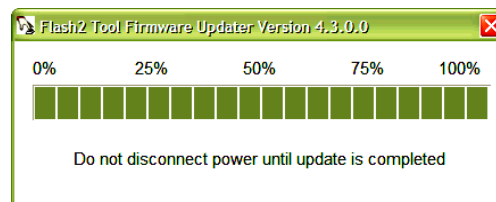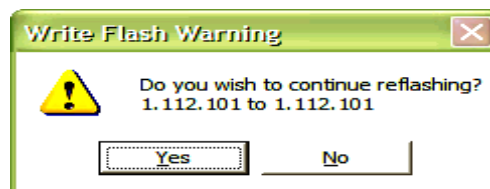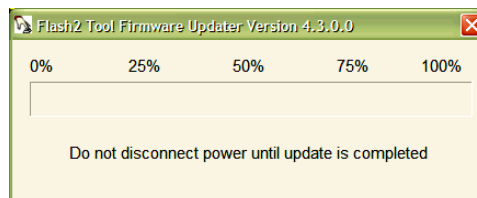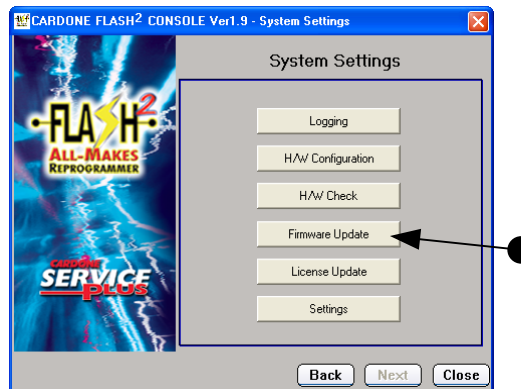
Subject:	Section A4 Firmware Update		Doc. #	A5
Orig. Date: 12/12/99	Rev. Date: 7/22/10		Rev. Level:	002

Firmware Update
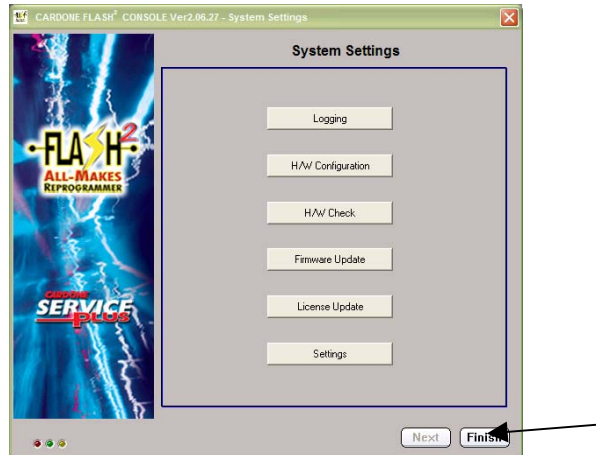
- Click FINISH
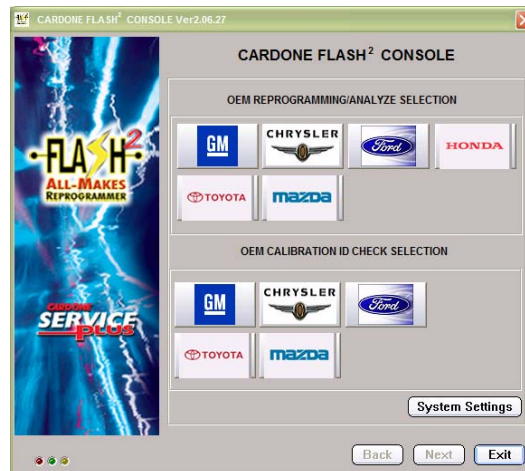
- Click EXIT, this will allow the Console to restart the application.

- Process complete you may begin using the Console by clicking on the Console icon on the desktop.

Flash2Console.lnk

CAPABILITY UPGRADE PROCESS

The ability to upgrade the flash capability of the Flash2 All-Makes Reprogrammer can be done at anytime after purchase. Contact your tool sales representative to purchase the license PassCode that will enable new OEM flashing. The process that follows describes the steps that update the tool licenses.

Customer:

NEW PASSCODE:

NOTE: This process shows how to upgrade the FLASH^2 All-Makes Reprogrammer capabilities upon receiving a new PassCode. Please visit the FLASH2 Library and be sure you have the latest Console and Firmware versions installed on your PC. You may also find new/additional documentation you may need for the additional capabilities you have purchased.
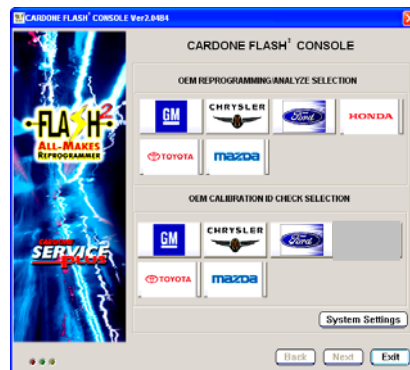
- Open FLASH^2 Console and click on "System Settings".

- Click on "License Update".

Subject:	Section A5 Capability Upgrade	Doc. #	A6
Orig. Date: 6/10/10	Rev. Date: 7/21/10	Rev. Level:	1.0

- Type in the new "Passcode" and click on "Update License". Follow remaining messages.

End of process

Subject:	Section A5 Capability Upgrade		Doc. #	A6
Orig. Date: 6/10/10	Rev. Date: 7/21/10		Rev. Level: 1.0	

Analyze (Scan Tool) Features

NOTE: This document explains the Analyze feature within the FLASH^2 Console application. The full benefits of this feature are observed when the device is connected to the vehicle. GM is shown in this document.

- Locate and open the FLASH2 All-Makes Reprogrammer application on the desktop.
- Select one of the OEM Makes.
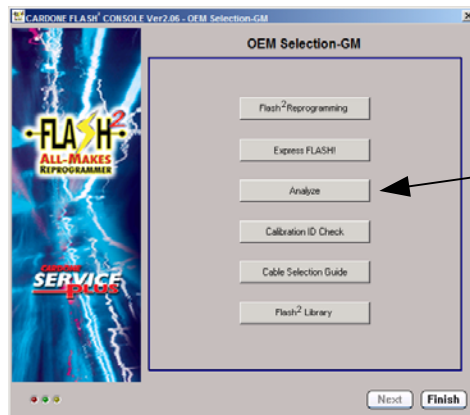
- Click on "Analyze".
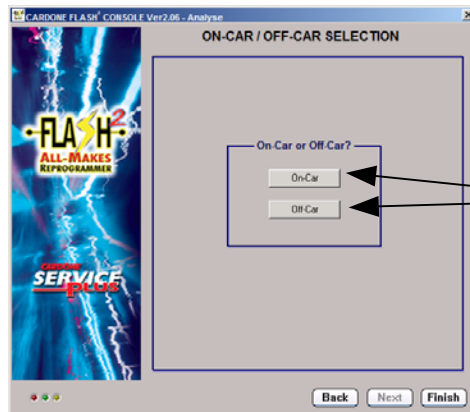
- Make appropriate selection.
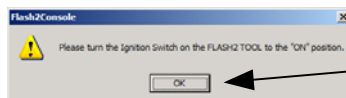
- Make sure the Ignition Switch on the vehicle or device is in the "on" position and click "Ok".

Analyze (Scan Tool) Features
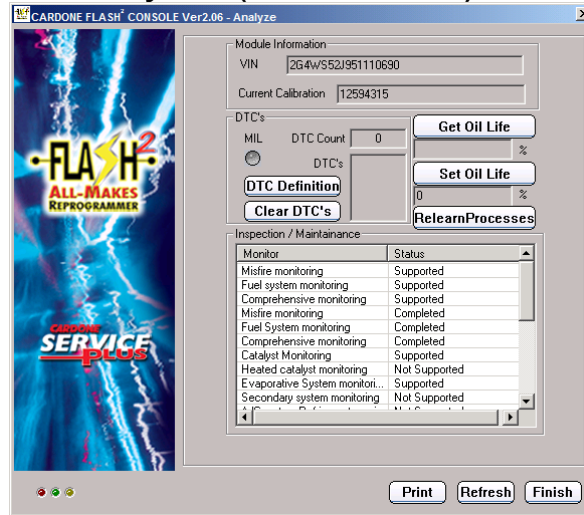
1. **VIN**: Reads the VIN that is on the ECM. This can be used to verify the VIN number is correct to the VIN plate on the vehicle.
2. **Current Calibration**: Shows the current calibration on the ECM. This can be used to identify and confirm whether a newer/later update is available for the specific vehicle when compared to the OEM "Calibration ID Check" documentation.
3. **DTC's**: This area will provide a **DTC Count**, which specific DTC's are stored and also allow you to **Clear DTC's**. If a DTC is present, the **MIL** indicator will be illuminated in red. The **DTC Definition** link will take you to the FLASH2 Library, where you will find another link that will take you to a website that provides the definitions to those DTC's. Remember, in several cases, a successful reprogramming event may actually set a DTC, which must be cleared after completing the reprogramming event.
4. **Get/Set Oil Life**: For vehicles equipped with such a feature, reading and writing new values is available upon the oil change.
5. **Relearn Processes**: In numerous occasions, there are relearn procedures that will be required, such as: Crankshaft Variation Relearn, Instrument Panel Cluster Relearn, etc. This link will take you to the FLASH2 Library and provide many known "post-flashing" processes required for finishing a successful reprogramming event. These processes will not require the use of a separate scan tool. These processes and others can also be found in your Service Manual.
6. **Inspection / Maintenance**: This feature will display the various IM monitors that are specific to the ECM/Vehicle the device is connected to. For an accurate reading, the FLASH² All-Makes Reprogrammer should be connected directly to the vehicle.

- Click on "Finish" when done.

Orig. Date: 12/12/99	Rev. Date: 7/22/10	Rev. Level: 001	Doc. # Section A7 Analyze Features

Recover and Changing Username and Password

This process describes the information and steps that allow a tool owner to update or retrieve their username and/or password.

How to Recover Password:

1. To recover and have the password emailed to you go to www.cardone.com and click on FORGOT PASSWORD.

- Click **FORGOT PASSWORD.**

- On this screen input your **username** and **email address** the password originally created will be emailed to you this will allow the customer to access the Flash2 Library.

Subject:	Recover Username and Password	Doc. #	A8
Orig. Date: 6/1510	Rev. Date: 7.21.10	Rev. Level:	01

Recover and Changing Username and Password

How to Recover Forgotten Username :

If you have forgotten your username, please contact our Technical Service hotline at 888.280.8324 option #1. In order to recover the Username you will need the serial number from the back of the tool.

How to Change Username :

- Go to www.cardone.com and log on using the existing Username and password.

Click **CONTACT**

Subject:	Recover Username and Password		Doc. #	A8
Orig. Date: 6/1510		Rev. Date: 7.21.10	Rev. Level:	01

Click **HELP**

Click **UPDATE ACCOUNT**

Subject:	Recover Username and Password	Doc. #	A8
Orig. Date: 6/1510	Rev. Date: 7.21.10	Rev. Level:	01

- On this page you can **EDIT** all of your **INFORMATION** as desire.

- Click **UPDATE** and then **LOGOUT.**

At this point you can now log on using the information created.
This will give you all access to the Flash2 Library at www.cardone.com

Subject:	Recover Username and Password		Doc. #	A8
Orig. Date:	6/1510	Rev. Date:	7.21.10	Rev. Level:	01

WELCOME

**FLASH2 ALL-MAKES REPROGRAMMER
ERROR CODES, MESSAGES AND SOLUTIONS**

**Rev 37
7/20/10**

**NOTE: Check the Flash2 Library at
www.cardone.com for the most up to date release.**

Flash 2 All-Makes Reprogrammer (Console)

Error Message or Code	Problem Description	Possible cause	Solution

LED STATUS

Error Message or Code	Problem Description	Possible cause	Solution
NORMAL STATE	POWER: GREEN PC CONNECTION: RED IGNITION "NO": GREEN (when Console ignition switch ON)		
Rapid flashing (Red/Green) of the PC Connection LED No power LED	Can occur after attempting to load new Console software or after failed firmware update.	● Corrupt Console software or firmware. ● Possible damaged tool. Was power to tool disrupted while updating firmware?	1. Power cycle tool. Retry. 2. If not corrected, delete Console software. Reload Console software and perform a **firmware update**. Retry. 3. If no change call Tech Service.

ERROR CODES

Error Message or Code	Problem Description	Possible cause	Solution
Access Denied	Message appears after selecting ACCEPT when starting Console software.	Missing or corrupt Console driver.	1. Open Device Manger. 2. Check Console driver; Missing? Yellow or red alerts? Either way, delete driver and reinstall Console software. Retry.
Hardware Check Failed	Message appears after selecting ACCEPT when starting Console software.	Tool not powered or connected.	Follow pop-up help screen checks and tips.
Power Cycle Device	Can occur after installing software, firmware update or if unit is idle for extended periods.	● USB connection problem ● Tool not connected to PC or power supply ● Cable or power supply problem	1. Unplug tool. 2. Wait a moment, then reconnect power. Retry. 3. If problem continues check power supplied, check cables, reboot PC.
Rapid flashing (Red/Green) of the PC Connection LED	Can occur after attempting to load new Console software or after failed firmware update.	● Corrupt Console software or firmware. ● Possible damaged tool. Was power to tool disrupted while updating firmware?	1. Power cycle tool. Retry. 2. If not corrected, delete Console software. Reload Console software and perform a **firmware update**. Retry. 3. If no change call Tech Service.

Flash 2 All-Makes Reprogrammer (Console)

Error Message or Code	Problem Description	Possible cause	Solution
This application has failed to start because MSVCP71.dll was not found.		Corrupt Console software.	Delete Console program (Add or Remove Programs). Reload and retry.

Table of latest Software/Firmware Versions

.

Device	Version	Release Date	Vista/Windows 7
Console software (DLL)	2.06.28	7.16.10	32 bit & 64 bit
Console firmware	1.112.101/201	7.16.10	32 bit & 64 bit
Console API	04.04		N/A
GM TIS2000 App	no longer supported		
GM TIS2000 Data	no longer supported		
GM TIS2Web SPS	3.0.35	July 2010	yes
Ford FMP	FMP 67+	July 2010	yes
Chrysler J2534 Flash Applications	J4.02.16	June 2010	
Honda			
Toyota			
Mazda MMP			

| **END** | | | |

Chrysler DCX Update Manager

Error Message, Code or Problem	Description	Possible Cause	Solution
1607: Unable to install Installation Shield	Occurs after launching DCX2534 setup file	Software loading error.	Delete DCX, reload. If failure, delete DCX file and download again from Chrysler web site. Reload and retry.
Access Denied	Message appears after trying to select the Chrysler module from the Console main menu.	Console Chrysler capabilities not enabled or purchased.	1. Check tool capabilities in Console System Settings. If capabilities are enabled, close Console program and retry. 2. Purchase capabilities through representative as needed. 3. Be sure on-car or off-car has been selected appropriately. 4. If problem continues, reload Console software.
Battery voltage below 11.5 volts. Connect battery charger………….	Message appears just before flashing actually begins.	• Possible low voltage on vehicle battery (on-car only). • Possible faulty/corrupt DCX Update Manager files. • Problem started after updating to new DCX version. • might be a version 3.0.3.15 problem (9.12.07)	**Off-Car** 1. Uninstall DCX program (use Add and Remove Programs), reinstall, retry. If problem continues, next step. 2. Uninstall DCX Update Manage. Delete DCX Setup file. Download the latest version from Chrysler, reinstall, retry. **On-Car** 1. Check battery voltage. Correct battery voltage (charge battery, use a helper battery or charger). Retry. If no change, next step. 2. Uninstall DCX program (use Add and Remove Programs), reinstall, retry. If problem continues, next step. 3. Uninstall DCX Update Manage. Delete DCX Setup file. Download the latest version from Chrysler, reinstall, retry.
DCX Reprogramming cannot be carried out. Please make sure that the DCX Reprogramming App is installed correctly.	Appears before DCX starts.	• DCX Manager is not installed, corrupt, latest version not installed, or • Installation path error, or • Latest Console software and firmware not installed, or versions don't match.	1. Check Chrysler site for correct version, update as necessary. Be sure defaults are accepted as software loads, this will correct path errors as the DCX2534 Update Manager installs. 2. Check Console version including firmware version. The latest must by installed. 3. Restart and retry.
Download of select calibration flash files does not occur.	After submitting a request to Chrysler website nothing downloads.	JAVA not installed.	Go to www.java.com to download latest JAVA program.
Flash format is not supported by J2534	Appears after selecting START	• Downloaded files not compatible with J2534 protocol or DCX Update Manager • Unsupported Mitsubishi format • Possible corrupt downloaded Chrysler files	• Check application. Check correct downloaded files. Redownload files. • Contact Chrysler to verify flash capability.
How to check for update calibrations without subscribing to TechAuthorty	J2534 Flash Availability		Log on to Tech Authority web site and select J2534 Flash Availability.
No Flash updates are found	Occurs immediately upon selecting START	• No files are found in the download folder. • DCX program started without Console.	1. Be sure files have been down loaded and appear in Console "File Folder" screen. 2. Check Files Folder for file count (usually 3 files).
No info/controller	Occurs when Update Manager is trying to read PCM.	Possible blank unit, part number not recognized.	At the Console "Retrieve" screen, enter part number of PCM being flashed. Continue flash. If error continues be sure it's the correct ECM, or cable.
No Programming flash files have been issued to dealerships at this time for the entered criteria.	No_Proogramming_files	Latest calibrations loaded or Chrysler does not have newer files.	
Part number request submitted to Chrysler web site fails to download new files.	Problem occurs after "submitting" request for part number.	JAVA not installed.	Download latest JAVA program from www.java.com. Retry.
SC1A or SC1B error	Occurs while attempting to flash	• no connection to ECM • possible faulty unit	1. Verify cable 2. Verify correct unit 3. Analyze ECM to see if communication is possible
The previously select PassThru adaptor cannot be located!	Appears after selecting Chrysler Flash or Express Flash.	More then one tool is installed on the PC but the CARDONE tool is not selected.	Start the flash process through the CARDONE tool as usual. At the DCX Update Manager Start-up screen, click on Select Pass-Thru option. Select CARDONE tool. Return to start-up screen, select START to continue.
The selected PassThru has no defined Functional Library. Please re-install desired PassThru library.	Appears after select Chrysler flash event.	Will only appear for previous EASE users.	1. Select OK. 2. Select CARDONE tool. Continue.

Chrysler DCX Update Manager

Error Message, Code or Problem	Description	Possible Cause	Solution
There were no updates found!	Appears before DCX Manager loads.	No files are available or saved to the download folder.	Go to Chrysler site and download flash files. Retry.
This installation of this application is damaged. Try re-installing or contacting the publisher fro assistance.	Error message occurs when Chryler flash appliction (DCX Manager) is attempting to load.	Adobe Air has not been installer or is corrupt.	Uninstall DCX Manager then reinstall, this time be sure to allow the installation of Adobe Air to run and install.
END			

Chrysler DCX Update Manager

Error Message, Code or Problem	Description	Possible Cause	Solution
Access Denied	Message appears after trying to select the Chrysler module from the Console main menu.	Console Chrysler capabilities not enabled or purchased.	1. Check tool capabilities in Console System Settings. If capabilities are enabled, close Console program and retry. 2. Purchase capabilities through representative as needed. 3. Be sure on-car or off-car has been selected appropriately. 4. If problem co
Battery voltage below 11.5 volts. Connect battery charger............	Message appears just before flashing actually begins.	• Possible low voltage on vehicle battery (on-car only). • Possible faulty/corrupt DCX Update Manager files. • Problem started after updating to new DCX version. • might be a version 3.0.3.15 problem (9.12.07)	**Off-Car** 1. Uninstall DCX program (use Add and Remove Programs), reinstall, retry. If problem continues, next step. 2. Uninstall DCX Update Manage. Delete DCX Setup file. Download the latest version from Chrysler, reinstall, retry. **On-Car** 1. Check batte
How to check for update calibrations without subscribing to TechAuthorty	J2534 Flash Availability		Log on to Tech Authority web site and select J2534 Flash Availability.
END			

FORD FMP ERROR CODES

Error Message, Code or Problem	Description	Possible Cause	Solution
code: 9-0X0851082	Occurs just before transfer of data.	Communication error caused by damaged vehicle wiring harness.	Check ALDL connector for damaged pins, broken wire to connector. Check Console possible drop off communication .
A connection to server has not been established	Occurs after attempting to connect to internet.	Ford subscription expired or not acquired.	Obtain valid subscription.
Access Denied	Message appears after trying to select the Ford module from the Console main menu.	Console Ford capabilities not enabled or purchased.	1. Check tool capabilities in Console System Settings. If capabilities are enabled, close Console program and retry. 2. Purchase capabilities through representative as needed. 3. Be sure on-car or off-car has been selected appropriately. 4. If problem continues, reload Console software.
Another session is running		Previous programming session not deleted.	1. From the second Ford SPA screen select FILE\FMP OPTIONS. 2. Select RESTORE DEFAULTS (lower left).
Blank PCM	Message appears after trying to connect to Ford module.	A. Ford Programming Module started without CARDONE Flash2 Console.	1. Close Ford program. 2. Start CARDONE Flash2 Console and continue normally.
		B. ECM with blank or corrupt EPROM.	1. Follow Blank ECM procedure, see User Manual.
Can not connect to J2534 tool	Occurs while FMP is attempting to load	CARDONE tool not "launched"	1. From Console, strat Ford using Flash2 Reprogramming tab 2. Continue through screens to the "LAUNCH" screen, SELECT "launch"
Could not locate J2534.dll	Message appears after trying to connect to Ford module.	CARDONE J2534 not defined in setup of Console and Ford software.	1. Start FLASH2 Console, select FORD, continue to J2534 Pass-thru device selection screen, select "LAUNCH" box. 2. Select CARDONE Inc. from Manufacturer. 3. Select Flash 2 All-Makes Reprogrammer from Pass-Thru device name. 4. Save device and exit. Continue flashing.
Database progress bar never stops	Occurs after confirming internet connection. Database blue progress bar never completes, just restarts.	FMP software problem	• Just click on tick mark to continue (database actually takes a short length of time to load).
DATA ERROR: 7-ox085/082 TESTMAN.exe	Occurs before transfer of data.	Interrupt caused by PC anti-virus, spyware, pop-blocker type software.	1. Turn off all such software, retry. 2. In some cases it may be necessary to delete programs like McAfee before software runs.
The diagnostic tester failed file transfer due to invalid Dealer Code submitted.	Usually occurs after the "Welcome" screen.	• User ID is incorrect or Ford site down. • Ford website down.	1. Make sure Ford is up. 2. When FMP module is installed the user ID must be exactly as submitted with the subscription (case sensitive). 3. From the first FMP page, select the Ford ECM icon (upper left). Select User Information. Check ID, it must match user name filed with Ford. If wrong, it can be changed at this point (not necessary to reload FMP, see next step). 4. If user ID wrong, select Penknife (lower left). Select Set User Information, type **exact** user ID (case sensitive and any spaces). Select check mark. Retry secession. 5. If that fails, reset the User ID again but change the case - if it is all upper case on the Ford site enter all lower case, if all lower case enter all upper case. Retry.

FORD FMP ERROR CODES

Error Message, Code or Problem	Description	Possible Cause	Solution
Display Check J2534.exe not found	Message appears after trying to connect to Ford module.	Ford Programming Module software not installed.	1. Establish a user account with Ford Motorcraft web site. Load and install latest FMP software. 2. Complete setup steps as defined in CARDONE User Manual.

FORD FMP ERROR CODES

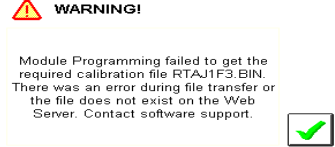| Error Message, Code or Problem	Description	Possible Cause	Solution
Problem: Failure to connect to internet	Occurs after clicking CONFIRM. May return to Welcome screen or continue to restart option.	• Not logged on to Motorcraftservice web page. • Can happen after loading new FMP.	1. Be sure web page is open. 2. If first attempt after loading a new version of FMP, just exit FMP and restart.
File AGANFHF.zip was not found on corporate server.	Error appears after inputting OE number.	Wrong OE number, wrong ECM or ECM type.	Problem not reproduced. OE number checked and entered again. Call Tech Service if problem persists. 8.31.07
FMP - System requirements. Performance issues may be encountered with less than 512k………..		PC may not meet minimum specs.	PC's with 256k will still function but may cause other problems and performance issues. Check minimum system hardware requirements.
HTTP file transfer failed	Message appears after trying to connect to Ford module.	Ford subscription lapsed	Renew or obtain subscription with Ford.
Initial set up after "Launch" no J2534 tool selectable		Ford FMP module not downloaded or installed on the system.	Download and install module from Ford website.
LCTOAPC: Unable to open: illegal J2534 error.	FMP attempting to load	• Tool not powered or not connected • FMP started first	1. Check tool power and connections. 2. Start Console, retry.
…….invalid Dealer Code submitted.	Usually occurs after the "Welcome" screen.	• User ID is incorrect or Ford site down. • Ford website down.	1. Make sure Ford is up. 2. When FMP module is installed the user ID must be exactly as submitted with the subscription (case sensitive). 3. From the first FMP page, select the Ford ECM icon (upper left). Select User Information. Check ID, it must match user name filed with Ford. If wrong, it can be changed at this point (not necessary to reload FMP, see next step). 4. If user ID wrong, select Penknife (lower left). Select Set User Information, type **exact** user ID (case sensitive and any spaces). Select check mark. Retry secession. 5. If that fails, reset the User ID again but change the case - if it is all upper case on the Ford site enter all lower case, if all lower case enter all upper case. Retry.
ML2 message: This vehicle is fitted with PCM hardware version ML*X-XXXX*. Required hardware version ML*X-XXXX*. (where *X-XXXX* is version read from ECM memory and version required).	Occurs after identifying vehicle and entering OE number (see PCM can not be reprogram for example screen shot).	• Wrong PCM/ECM being programmed • Possible boxed wrong ECM	1. Verify application and PCM/ECM module being flashed. 2. Contact Tech Service to verify ECM ML version.
Module is not in the correct state to accept programming	flashing a 2004 F150	as of 9.20.07, using FMP 50, unknown cause of error.	• TDB as of 9.20.07 • Be sure the latest FMP is installed. Consider reloading current FMP.
Module Programming failed to get the required calibration file XXXXXXX.bin		there was an error during file transfile or the file does not exsist on the Ford web server.	
No communication	Message appears after trying to connect to Ford module.	Ford Programming Module started before CARDONE Flash2 Console.	1. Close Ford program. 2. Start CARDONE Flash2 Console and continue normally.
No communication - Possible open FEPS circuit	Message appears after trying to connect to Ford module.	• Ignition not ON (Vehicle or Console) • wrong or bad ECM • wrong or bad cable	1. Check ignition switch 2. Check cabling

FORD FMP ERROR CODES

Error Message, Code or Problem	Description	Possible Cause	Solution
No response from controller	Message appears after trying to connect to Ford module.	Ford Programming Module started without CARDONE Flash2 Console.	1. Close Ford program. 2. Start CARDONE Flash2 Console and continue normally.
No response from PCM	Message appears before transferring of the data	• wrong or bad Ford cable •Ignition not ON (Vehicle or Console)	1. Ford cables issued with EASE tool may need replacement. 2. Be sure to follow ignition prompts.
PCM cannot be reprogrammed (incorrect hardware level)	Occurs after identifying vehicle and entering OE number	•Wrong PCM/ECM being programmed	Verify application and PCM/ECM module being flashed.
Program encountered an error, write code down: XX XX XXXXXX where X = error code number	Occurs after identifying vehicle while data is flashing.	wrong calibration being used.	Find tear tag or calibration sticker indicating last Ford update applied to ECM.
RO code and Odometer option	RO means Repair Order. What is appropriate action?	not applicable	No action required, these are optional.
SAE J2534 not defined	Message appears after trying to connect to Ford module.	CARDONE tool not defined in LAUNCH box.	1. Be sure Ford module was started from Flash2 console software. 2. Start console, select Ford, select Reprogram Computer, continue to the J2534 Pass-thru device selection screen, select "LAUNCH" box. 3. Select CARDONE Inc. form Manufacturer. 4. Select Flash 2 All-Makes Reprogrammer from Pass-thru device name. 5. Save device and exit. Continue.
Software version is incorrect. Close this application…….	Software incompatibility	A newer version of the FMP database is available from Ford site.	Go to www.motorcraftservice.com to download file.
Testman Error: record these numbers XXXXXX	Occurs after attempting to is starting FMP	• FMP started first • Console power disconnected • Lapsed or no subscription, or wrong User Name.	1. Check tools connections, ensure power LED is green and PC Connection LED is red 2. Always start Console first 3. Verify subscription is current, 4. Check user information for correct User Name
The application is checking for database updates.	Problem: database progress bar never stops. Occurs after confirming internet connection. Database blue progress bar never completes, just restarts.	FMP software problem	• Just click on tick mark to continue (database actually takes a short length of time to load).
The module configuration and programming database may be out of date	Occurs after selecting CONNECT	• Can occur after installing a new version of FMP • a newer version of FMP is available	1. If first attempt after new load, exit FMP and restart. 2. Check Ford for new version of FMP.
Using wrong version FMP	Message appears after trying to connect to Ford module.	A newer version of the Ford Module Programming (FMP) program has been released.	Check Ford Flash site for latest version reprogrammer software – download and install.
WERROR CODE: 11-0X085/082	Occurs before transfer of data	Interrupt caused by PC anti-virus, spyware, pop-blocker type software.	1. Turn off all such software, retry. 2. In some cases it was necessary to delete programs like McAfee before software worked.

FORD FMP ERROR CODES

Error Message, Code or Problem	Description	Possible Cause	Solution
This happens when trying to load or uninstall the FMP	**FMP - InstallShield Wizard** ☒ The setup has detected that no version of FMP is installed. This update requires that a previous version of the application be installed. OK	possible pc related problem, unknown	unknown
This occurs when updating software versions and installation failed	⚠ **WARNING!** Module Programming failed to get the required calibration file RTAJ1F3.BIN. There was an error during file transfer or the file does not exist on the Web Server. Contact software support. ✔	Software corrupted	Uninstall all version of Fmp and relaod
END			

General Motors TIS2WEB (On-Line)

Error Message, Code or Problem	Description	Possible Cause	Solution
Access Denied	Message appears after trying to launch Console.	Tool is not powered or has timed out.	Power cycle tool (unplug ac/dc adapter or disconnect from ALDL). Retry.
Another session is running		Previous TIS2WEB session not closed out. (Also see E4212)	1. Previous flash secession not closed out after successful flash. 2. Be careful not to double click on SPS icon when launching TIS2WEB.
Error to launch SPS	Occurs after selecting START SPS and while JAVA is attempting to load	Browser settings wrong	• Reset browser defaults. Retry.
Flash2 tool may be powered incorrectly. Please correct the problem and try again.		• Situation: Flashing 1994 vehicle, on-car, OBD-I cable, and cigarette adaptor. • unknown cause as of 2.8.08, only single occurrence.	1. Reboot system and retry. 2. Check and verify vehicle and vehicle information. Correct as needed and retry. Correct power configuration: • On-car OBD-I needs black connector ALDL cable and cigarette adapter (no AC adaptor). • On-car OBD-II blue connector ALDL cable only (fully charged battery - use battery helper, no adapter) • Off-car AC/DC adapter only
GM Reprogramming cannot be carried out.	Occurs after selecting flash option.	• TIS2Web selected but not available/purchased.	**Web-based:** 1. Check internet correction. 2. Check for valid account.
MDI - Not installed - Version XXXXX	Program is asking for a device to be connected	• GM device MDI being requested - **Disregard, not applicable to Console**	• Click on **SKIP**, continue.
MFC application has encountered a problem and needs to close.	Appears after selecting a FLASH or ANALYZE option, or after switching the "ignition" on.	• Usually occurs with a new dealer unit. • Possible faulty ECM	• Unplug ECM from tool. If next screen appears, ECM is cabled wrong or is faulty. • If dealer unit, try another unit.

General Motors TIS2WEB (On-Line)

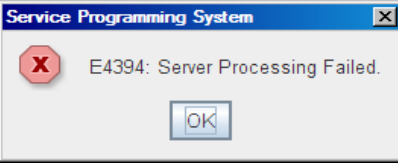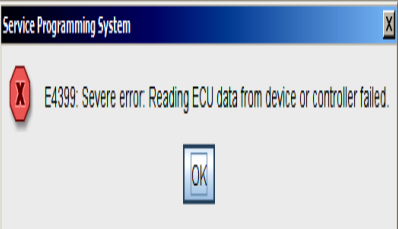| Error Message, Code or Problem	Description	Possible Cause	Solution
NAODRUI control	Message: Before programming, install special tool J-42236-A…….. Alternate message: To ensure that there are no data interruptions……….	Dealer related issue - **On-car issue only.**	**ON-CAR only** Special GM tool J42236A allows the tech to isolate only the vehicle module intended to be flashed or programmed. **OFF-CAR** No action or addition equipment is required. Continue reprogramming ECM.
NAODRUI control	Message: NOTICE: Depending on which calibrations are being updated, the progress bar on Tech 2 may NOT display 100%………	• Possible VIN problem.	• **May only apply to on-car Tech 2 flash.** Only applies to 2005 and up applications. Check VIN, application and correct ECM.
Reprogramming Error! SPS – No communication at step XX.		• Wrong vehicle info. • Possible wrong or faulty ECM.	1. Check vehicle info. Correct VIN, correct year, make and model. 2. If an OBD-II application, analyze the unit. If it does not respond, then the unit could be bad or cabled wrong.
SWDL	Stands for: **S**oft**W**are **D**own**L**oad. Occurs while downloading software, you are asked to select a diagnostic tool.	• Not determined	• At the current screen, highlight T2, then click next.
Tax calculation service failure. Please contact administration.	Occurs at launch of TIS2WEB.	AC Delco problem involving sales tax issues.	Contact TIS2WEB support.
User password already in use.		• Previous secession not closed out properly. • Another user is logged in on another PC using the same account ID.	1. TIS not closed out after previous successful flash. 2. Be careful not to double click on SPS icon when launching TIS2WEB. 3. Check for an open TIS2Web program, or open window from a previous secession, close then restart. CAUTION: Clicking on YES will close-out any open secession or a remote user.
E671	VIN Error	Wrong VIN or entered wrong	1. Check VIN and re-enter. Restart Console. 2. Remember: I, O and Q are not used as valid VIN digits.
E680	Appears after entering VIN	unknown	Unknown - check VIN, reenter.
E835	Appears when trying to exit Calibration Selection screen	One or more calibration tabs not checked.	All tabs below "Calibration Select" must have green checkmark (selected).
E837	No Selection	Calibration/s need to be selected.	Return to Select Diagnostic screen and make proper selection (All tabs must have green check. Same as E835).

General Motors TIS2WEB (On-Line)

Error Message, Code or Problem	Description	Possible Cause	Solution
E842	VIN Problem Selection	Wrong VIN or entered wrong.	Check VIN and re-enter. Use gmcalid.com to verify. NOTE: I, O and Q are not valid VIN digits. i.e. 5 is often mistaken for S, and S for a 5.
E1212	Reprogramming Error.	• Basically a communication problem between TIS and the ECM. • Unit being flashed possibly not an ECM. • Possibly wrong cables.	1. Verify Application, VIN, and ECM being flashed, correct cable. 2. Possibly an unsupported application. 3. Possible faulty unit (analyze OBD-II units to test). **SATURN** Saturn 1996 or later: If programming stopped at 50%, unit successfully programmed (as per GM note – unverified). **GM On-Board** 1. Be sure vehicle ignition is on. 2. Verify correct unit, application, VIN and vehicle selections. **GM Off-Board** Verify ECM unit, application, VIN and vehicle selections.
E1226	Unknown programming error	Power interruption	Check power supply (rating must be 12V, 1.5 amps.).
E1244 Class II	Seen during on-board flash.	Low vehicle battery voltage.	Check, charge, boost vehicle battery as necessary.
E1261	SPS Valid Security	Wrong VIN, mismatch vehicle and VIN	Check VIN
E1265	SPS communication not established.	Wrong diagnostic tool selected	Select All-Makes Reprogrammer or Legacy
E2387	Duplicate Calibration	Selected calibration and current calibration in ECM are the same.	1. PCM already programmed with the latest calibration. 2. Check proper VIN or vehicle selectable specs. 3. Select **Replace and Reprogram, d**isclaimers and warnings are bypassed.
E2858	No Communication	• Wrong Program Started • Possible Bad ECM	1. Always launch Flash Console software first. 2. Must have green power LED and red PC Connect LED before proceeding. 3. Check Cables and power supply. If USB, move USB plug to another port. 4. Can be a faulty ECM. If OBD-II try to analyze ECM.

General Motors TIS2WEB (On-Line)

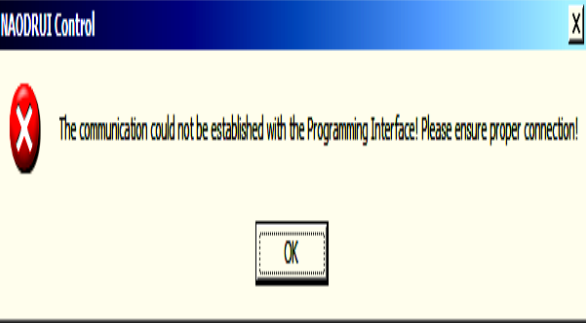| Error Message, Code or Problem	Description	Possible Cause	Solution
E2906	No Calibration Support.	• Selecting the wrong program option. • Never programmed PCM (blank memory). • Possible wrong vehicle info.	1. Selecting Replace and Reprogram should override this error. 2. Check vehicle info. 3. Be sure Post-Flash instruction from a previous flash has been completed. 4. Close flash out. Allow to go through post-flash, then retry from the beginning (note: if an OBD-II unit analyze the ECM to see if its good).
E4150	Error communicating with diagnostic tool	JAVA problem - JAVA not installed or wrong version loaded.	1. SPS installs the latest version of JAVA. Be sure the download is not being blocked by the PC or internet provider. 2. Check system resources for JAVA. Correct as necessary and retry.
E4212	This user id and password is already in use.	• Previous TIS2Web secession not properly closed out or still running. • Another secession is already open under your username and password.	1. Check for a previous TIS2Web window or program still open, close then restart. CAUTION: Clicking on YES will close-out any open secession or an active remote user. 2. Wait until other user logs out. Verify account ID and password. TIP: Do not use the "X" to close-out SPS. Use the "log-out" or door icon to close the program.
E4217	Unread news available	non-flash related message	Continue normal flashing.
E4258	Communication could not be established with controller.	• Equipment setup, cable selection, or tool selection. • Anti-virus, pop-up blocker problem. • Bad VIN, conflict between selected vehicle and VIN.	**Off-Car** 1. Disable anti-virus, pop-up blockers, etc. 2. Verify setup and cable used. 3. Verify VIN and determine correct vehicle description selected. 4. Be sure post-flash instructions were completed from previous flash. Reboot if necessary. 5. Possible faulty PCM. If OBD-II try analyzing PCM, if info is retrieved the unit should be flashable. **On-Board** 1. Disable anti-virus, pop-up blockers, and such programs. 2. OBD-I vehicles: Run off cigarette adapter only. OBD-II vehicles: Disconnect external power supplied (unit runs off of the vehicle power through ALDL only). 3. Ignition Key not in ON or RUN (tool ignition set can be either on or off) 4. Wrong ALDL cable. 5. Wrong vehicle year. 6. Wrong vehicle selected.

General Motors TIS2WEB (On-Line)

Error Message, Code or Problem	Description	Possible Cause	Solution
E4394	**Service Programming System** ✕ E4394: Server Processing Failed. OK	GM server down	**Retry at a later time**
E4396 Controller Error	Occurs after entering the VIN	• Possible VIN error • VIN not supported by GM	1. Chec VIN 2. If correct do a Calibration ID check to see if VIN application is supported.
E4398	No calibration data found	Vehicle not support by TIS2Web.	Check all vehicle info. Retry.
E4399	**Service Programming System** ✕ E4399: Severe error: Reading ECU data from device or controller failed. OK	Possible bad ECM, wrong or bad cable, vehicle communication problem (battery).	1. Verify all vehicle data (Year, Make, Model, etc) and ECM OE number - be sure the correct ECM is being flashed 2. No ECM connected, wrong cable/bad cable, faulty ECM. **On-Car notes** 1. If On-car: be sure ignition is on. 2. Low vehicle battery voltage; consider helper battery or recharge battery.
E4403	Severe error: Reading VIN……	• ECM not connected, wrong/bad cable, faulty ECM. OBD-I unit need 9-pin cable attached to tool. • Wrong Diagnostic Tool selected (All-Makes Reprogrammer for OBD-II, **Legacy Pass-Thru for OBD1 cars only, 1993-1995**)	Note: Be certain purple connector cables are being used. Recheck all vehicle data. Check that the OEM unit number crosses to ECM being flashed. 1. Verify all cables needed are connected (OBD-I apps need RS-232 9 pin cable and Legacy tool selected). 2. Analyze OBD-II units. If information is retrieved the unit should be flashable.
E4404	Restart programming interface	uncertain, not reproduced.	1. Power cycle tool. Retry 2. Verify correct Console software version and matching firmware are installed. Verify all vehicle data and correct ECM.

General Motors TIS2WEB (On-Line)

Error Message, Code or Problem	Description	Possible Cause	Solution
E4413	Calibrations marked with an asterisk are not recognized by this TIS2Web release.	Replace and Program ECU not selected.	• Return to Select Diagnostic Tool screen and select Replace and Program ECU option. Retry. NOTE: The Replace ECU option will only allow reprogramming if a new calibration is available.
E4423	Unknown reprogramming error 4 at step 0	Mismatched vehicle data, wrong ECM.	• Recheck vehicle data, VIN, ECM OE number. • If error continues see vehicle histories below: 2006 Montana 1GMDX33LX6D153146 • Attempted flash. Continues until almost complete, then door chimes and flash restarts. Cancel flash and exit. ECM has not been flashed, vehicle will restart. • We are attempting a flash using TIS2000. 10.24.07 JD
E4491	Reprogramming Error, check all connections…….	Mismatched vehicle data, wrong ECM.	Recheck vehicle data, VIN, ECM OE number.
M4384 Test was successful	Expected response after performing initial set-up.	no action required	Continue remaining Set-up: Select Ok, select Common tab, select NAO, select OK, and continue flashing.
M4385 Test not successful	Occurs after selecting Start SPS or performing initial set-up.	Non-compliant Windows operating system	• As of 3.21.08 TIS2WEB does not run on Windows XP Home or any version of Visa.
M4404	Please restart programming interface	Uncertain. Possible software boot problem, possible internet problem. MISSING THE LATEST JAVA	Check internet connection, retry. Restart Console software, retry. Reboot PC, retry. Contact Tech Service with any new information (09.01.07)
M4413	Calibrations marked with an asterisk are not recognized by this TIS2Web release.	Replace and Program ECU not selected.	• Return to Select Diagnostic Tool screen and select Replace and Program ECU option. Retry. NOTE: The Replace ECU option will only allow reprogramming if a new calibration is available.
M4521	You are attempting to reprogram with the same calibration.	Reprogram option selected	Select Replace and Program
M4522	GM does not recommend or support reprogramming with the same calibration.	Reprogram option selected	Select Replace and Program
END			

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
Access Denied	Message appears after trying to select GM module.	• Console needs to be rebooted (poer cycled). • Console capabilities not enabled or purchased.	1. Power cycle tool. Retry. 2. Check tool capabilities in Console System Settings. 3. Purchase capabilities through representative as needed. 4. If problem continues, reload Console software.
Another session is running		Previous TIS2000 programming session not closed out.	1. Post-Flash Instructions not performed, two TIS secessions running, or TIS not closed out after successful flash. 2. Do not double click on GM car when launching TIS2000, this could launch two TIS secessions.
GM Reprogramming cannot be carried out.	Occurs after selecting disk or web-based flash option.	CD/DVD selected but TIS2000 disks not installed.	1. Be sure correct GM program selected.
		TIS2Web selected but not available/purchased.	1. Check internet correction.
I/O Management Device Name - CARDONE tool not listed (Properties button)	When setting up I/O Management perimeters CARDONE device name is not found	Console software not started before configuration or tool not connected. TIS I/O Management being configured without the Console software started first.	1. Close Console and TIS software. 2. Restart Console software, continue to TIS2000 GM car screen. 3. Check I/O Management, Generic Pass Thru, Properties. Flash2 All-Makes Reprogrammer should be selected. If still not found, reload Console software, retry. If problem continues it may be necessary to reload TIS. (See Console User Manual, Section B).
MFC application has encountered a problem and needs to close.	Appears after selecting a FLASH or ANALYZE option, or after switching the "ignition" on.	• Usually occurs with a new dearler unit. • Possible faulty ECM	• Unplug ECM from tool. If next screen appears, ECM is cabled wrong or faulty. • If dealer unit, try another unit.
NAODUI ERROR (*BUT* with a **blank** dialogue box)	Occurs after identifying vehicle but before transfer data screen	• If OBD-I, CARDONE tool requires use of 9-pin RS-232 (tan) cable. • If OBD-II, vehicle may not be supported by TIS version installed.	1. Connect 9-pin cable, reboot and retry. (leave cable always connected) 2. Double check application information (year, make, model, VIN, OEM ECM number). 3. Change logical name J2534 All-Makes to Generic Pass Thru (see Console User Manual, Section B, I/O Management procedure)
No communication flashing Saturn cars 1995 and up	Fails at transfer data screen	Made wrong selection at the "Selecting Diagnostic Tool and Programming process" screen	Need to select PASS-THRU. NOTE: Some 1994-95 Saturn's are not supported by J2534 protocol.
No Valid License	Message after loading TIS2000.	Possible bad Dongle file	1. Reboot and retry, if fail, next step. 2. Reload J2534.dll (file location C:Program files\COSIDS\Bin)

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
No Valid Driver		Dongle driver file damaged or deleted.	1. Reboot, if still no good, next step. 2. Rename COSIDS (found in C:Program files\) file to anything (i.e. COSIDSX). 3. From TIS2000 first screen, select Configuration I/O Management. Follow Dongle Driver Installation set-up instructions from Console User's Manual, Section B.
Reprogramming Error! SPS – No communication at step XX.		- Wrong vehicle info. - Possible faulty ECM.	1. Check vehicle info. 2. If an OBD-II unit, analyze the unit. If it does not respond, then the unit is bad or cabled wrong. 3. If attempt was made to load 5.2 App disk without Java a special uninstall procedure must be followed. (call Tech Service).
		Caliberation files does not exist on Disc version being used	only solution is to upgraqde to the tis2web
E37	Database error	Firewall/Anti-virus/pop-up blockers.	1. Turn-off anti-virus type programs. 2. Check Windows Firewall – turn off. 3. If that fails, it may be necessary to delete those programs.
E286	No Valid Software License	- Possible bad PC boot - Possible bad TIS files	1. Reboot. If no change, step 2. 2. Check I/O Management setup (see Console User Manual, Section B). 3. Reload J2534.dll file from C:Program Files\COSIDS. If still fails, next step 4. From I/O Management select Generic Pass Thru, select Delete. From I/O Management select DRIVER, delete J2534 Driver. Perform I/O Management Generic Pass Thru installation (Section B, Console User Manual). Retry. If fail, next step. 5. Reload TIS software
E327	Switching to application, please wait.	unknown	Unknown. Reboot system, restart programs.

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
E330	No communication	- Message: Unable to communicate with Database.	1. Data disk not loaded or file corrupt. Reload Data disk. 2. No Communication with database means reprogrammer is not talking to the TIS data files. This happens when the operator launches TIS2000 first – always start Console before flashing. 3. Be sure all TIS software is installed. 4. Test Data files by doing INFO-ONLY (Select Diagnostic Tool screen) to see if any calibrations are listed by TIS. Failure means TIS Data files are not loaded or corrupt. 5. Test TIS by selecting analyze. If loaded correctly TIS will analyze ECM (OBD-II only). 6. If ECM can be analyzed, there is some type of anti-virus, pop-up blocker, spyware running. Disable or delete. NOTE: McAfee may have to be DELETED from system.

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
E434	No Valid Driver	- J2534.dll corrupt - Wrong file selected (J2534.dll)	1. Correct file is found in C:Program files/COSIDS/BIN. 2. If file is missing or corrupt TIS must be reloaded but first you must rename the COSIDS folder (COSIDSx) so it can be over-written.
E499	Device driver could not be started.	A TIS driver file is corrupt or missing. Must reinstall.	1. Power cycle tool. Retry. If failure next step. 2. Go to I/O Management. 3. Select J2534 Pass Thru driver and uninstall 4. Back to I/O, select and delete J2534 All-Make logical name 5. Add Generic Pass Thru and driver (see Console User Manual Section B, page 3).
E665	E665 Communication Error	- Tool not properly connected to ECM, wrong ECM, or bad ECM. - For OBD- I Flash, RS-232 cable (9 pin tan) must be connected to tool and PC. - System not started correctly. - May require selecting different "tool-type" (Pass Thru or Generic Pass Thru) from the Select Diagnostic Tool and Programming Process screen. - Generic Pass Thru properties not assigned to CARDONE tool.	1. Check power to unit, proper cabling, power supply must be 12v, 1.5a. (Normal LED status: Green power light and red PC connect light). 2. Must start with Console software - Never launch TIS2000 first. 3. Customer ECM may be faulty. If OBD-II analyze ECM. 4. For OBD-I flashing, 9-pin tan cable must be connected to tool and PC. For OBD-II Flash, Generic Pass Thru must be selected. 5. From Tool Selection screen, select Generic Pass Thru and continue. If E665 error reoccurs return to selection screen, select Pass Thru. 6. If E665 reoccurs verify application and ECM being flashed.
E666	No Access to PC Database	- Dongle not installed. - Super-Pro driver not installed. - Possible Dongle Problem.	1. If USB dongle, try unplugging then plugging dongle back in. Back out of current screen and retry. 2. Perform Add/Remove security key process, be sure correct dongle-type is selected (see E1162 for process). 3. If a USB dongle, move to different port. If that fails, unplug power to tool, then reconnect, reboot PC. 4. Data disk may not be loaded (check About TIS2000 for loaded version), or TIS corrupted (reload TIS).
E667 Could not connect to server!		If problem occurs after loading new application and/or data disk, the resulting load may be faulty.	Device names/drivers for J2534 may have to be reinstalled (check Configuration and DRIVER names I/O Management).
E671	VIN Error	Wrong VIN or entered wrong	Check VIN and re-enter. Remember: I, O and Q are not valid VIN digits.
E676			

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
E680	Appears after entering VIN	unknown	Verify all vehicle data and ECM being flashed are correct.
E720		unknown	unknown
E721 Part II Not Loaded	Occurs while attempting to load TIS software	Loading stopped or aborted before load completed.	1. No recovery possible – TIS must be deleted and reinstalled. 2. Use REGEDIT uninstall procedure (run REGEDIT, delete GM folder, rename COSIDS in Program Files folder). 3. Reload TIS software – Watch HD light for activity. Wait, wait. Do not stop or remove disks until "Successful Update" message received. 4. Be sure I/O Management setup is done properly. (see Console User Manual, Section B).
E835	Calibration Selection	One or more calibration tabs not checked.	All tabs below "Calibration Select" must have green checkmark (selected).
E837	No Selection	Calibration/s need to be selected.	Go to Select Diagnostic screen and make proper selection (all tabs must have green check). Same as E835.
E842	VIN Problem Selection	Wrong Vin or entered wrong.	1. Check VIN and re-enter. Use gmcalid.com to verify. 2. Remember: I, O and Q are not valid VIN digits. 5 is often mistaken for S, and S for a 5.
E843	Unsupported VIN	Unknown, could not reproduce error.	1. Verify VIN, application. 2. Possible faulty ECM.
E1162	Access to Sever Denied	- TIS2000 started before flash tool. - Security key problem	1. Always start Flash Reprogrammer tool first. 2. Check security key configuration.
E1200	E1200 Occurs after vehicle selection.	• wrong ECM. Bad ECM. • I/O Management not configured correctly.	**OBD-I vehicles:** 1. Verify Console and Firmware versions match, update as necessary. From Load Selection screen, select Generic Pass Thru. Retry. 2. If E1200 reoccurs, select Pass-Thru and retry. If error returns ECM may be faulty improperly cabled, wrong ECM. **OBD-II vehicles:** 1. Verify Console and Firmware versions match. Update as necessary. 2. Verify correct settings, vehicle info. Retry. 3. Be sure Generic Pass Thru driver installed/named correctly. 4. Verify all vehicle info and VIN. Verify correct ECM being flashed. Retry. 5. Check proper driver installation (Console User Manual Section B).

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
E1212	Reprogramming Error	- Error depends if on-board or off-board flash. - Also if its GM or Saturn. - Unit being flashed possibly not an ECM. - Possibly wrong cables.	1. Verify Application, VIN, ECM being flashed, correct cable 2. Possibly unsupported application. 3. Possible faulty unit (analyze OBD-II units to test). **SATURN** For 1996 or later Saturn, if flashing stopped at 50% unit is successfully programmed (per GM note). **GM On-Board** 1. Be sure ignition is on. 2. Verify correct unit, application, VIN and selection. **GM Off-Board** Verify ECM unit, application, VIN and selection
E1226	Unknown programming error	Power interruption	Check cables.
E1232	SPS Error locating utility file record at step 00	Unknown - not reproduced.	Used Replace and Program, this should eliminate code.
E1244 Class II	Seen during on-board flash.	Low vehicle battery voltage.	Check and correct vehicle battery as necessary.
E1261	SPS Valid Security	Wrong VIN, mismatched vehicle and VIN. This has nothing to do with Pass-Lock security. It is tool set-up or use related.	Check VIN, application. Be sure to follow normal set-up and procedures. Retry.
E1265	SPS communication not established	See E665	
E2113		Unknown, not reproduced.	Restart, reboot.
E2387	Duplicate Calibration	Selected & current calibration the same.	1. Check proper VIN or vehicle selectable specs. 2. PCM already programmed with the latest calibration. 3. Select Replace and Program to force reflashing.
E2858	No Communication	- Wrong Program Started - Reprogrammer tool not connected/working - Possible Bad ECM	1. Always launch Console software first. 2. Be sure Flash 2 All-Makes Reprogrammer has been selected in I/O management, Device Name. 3. Check cables and power supply. Move USB plug to another port. 4. Can be a faulty ECM.

General Motors TIS2000 (Disk based)

Error Message, Code or Problem	Description	Possible Cause	Solution
E2906	• No Calibration Support. • Calibrations marked with asterisks are not supported by the application CD version installed on PC.	• Selecting the wrong program option. • Never programmed PCM (blank memory). • Check Application and Data CD versions match. • Possible wrong vehicle info.	1. Selecting Replace and Reprogram should override this error. 2. Check vehicle info. 3. Be sure Post-Flash instruction from a previous flash have been completed. 4. Close flash secession out. Allow to go through post-flash, then retry from the beginning (note: if an OBD-II unit analyze the ECM to see if its good). 5. Application CD must match Data CD - versions can not be too old or too new. Call Tech Service for specifics.
E4258	Communication could not be established with controller.	- Equipment setup, cable selection, or tool selection. - Bad VIN, conflict between selected vehicle and VIN.	**Off-Car** 1. Disable anti-virus, pop-up blockers, etc. 2. Check I/O Management set-up. Check Generic Pass Thru properties, must be set to proper tool (CARDONE). See User Manual, Section B. 3. Verify setup and cable used. 4. Verify VIN and determine correct vehicle description selected. 5. Be sure post-flash instructions were completed from previous flash. Reboot. 6. For CARDONE Console when flashing OBD-II check J2534 properties (Configuration/IO Management) to be sure the CONSOLE Tool is selected. 7. Possible faulty PCM. If OBD-II try analyzing PCM. If OBD-I PCM there is no way to check PCM. **On-Car** 1. Disable anti-virus, pop-up blockers, and such programs. 2. OBD-I run off cigarette adapter only. OBD-II disconnect external power supplied (unit runs off of the vehicle power through ALDL). 3. Ignition Key not in ON or RUN (tool can be on or off) 4. Wrong ALDL cable. 5. Wrong vehicle year. 6. Wrong vehicle selected.
E4399	Severe data communication error	Wrong cable, wrong ECM, Possible faulty ECM	1. Check cable selection (must be purple cable). 2. Check vehicle info and correct ECM.
END			

Honda

Error Messages or Codes	Description	Possible Cause	Solution
Access Denied	Message appears after trying to select the Honda module from the Console main menu.	• Console may need to be rebooted (power cycled). • Console Honda capabilities not enabled or purchased.	1. Disconnect power to tool (green power LED out). Reconnect power, retry. 2. Check tool capabilities in Console System Settings. If capabilities are enabled, close Console program and retry. 3. Purchase capabilities through representative as needed. 4. Be sure on-car or off-car has been selected appropriately.
After clicking START, the screen just blinks. When START is clicked again an ERROR REPORT is then displayed.	Communication error	• The vehicle attempting to be flashed is not a programmable vehicle. • ECM may be defective.	1. When ERROR message is displayed click on YES. 2. Second error message indicates either the vehicle ECM does not support flash, or the ECM has failed and can not be flashed. 3. Verify application, try to ANALYZE the ECM. If analyze fails ECM may be faulty.
END			

Mazda			
Error Messages or Codes	**Description**	**Possible Cause**	**Solution**
Access Denied	Message appears after trying to select the Mazda module from the Console main menu.	• Console may need to be rebooted (power cycled). • Console Honda capabilities not enabled or purchased.	1. Disconnect power to tool (green power LED out). Reconnect power, retry. 2. Check tool capabilities in Console System Settings. If capabilities are enabled, close Console program and retry. 3. Purchase capabilities through representative as needed. 4. Be sure on-car or off-car has been selected appropriately.
No start-up screen and program loops back to Welcome to Module Programming.	Occurs at start-up	Incorrect user ID	Your e-mail address is the user ID. Check Mazda account for correct e-mail address on file.
END			

Toyota

Error Messages or Codes	Description	Possible Cause	Solution
Access Denied	Message appears after trying to select the Toyota module from the Console main menu.	• Console may need to be rebooted (power cycled). • Console Honda capabilities not enabled or purchased.	1. Disconnect power to tool (green power LED out). Reconnect power, retry. 2. Check tool capabilities in Console System Settings. If capabilities are enabled, close Console program and retry. 3. Purchase capabilities through representative as needed. 4. Be sure on-car or off-car has been selected appropriately.
Code: 0102010007	Occurs at Toyota software launch.	Vehicle battery voltage too low.	Ensure vehicle battery meets minimum requirements. A battery charger or helper battery may be used (as per Toyota).
END			