# Global Diagnostic System 2 (GDS2) User Guide



# **GDS2 User Guide Introduction**

The Global Diagnostic System (GDS2) Guide provides a quick reference overview of the GDS2 System.

Everything contained in this manual is based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

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# **General Information**

GDS2 is designed for use by trained service personnel to diagnose and repair automotive electronic systems. Every attempt has been made to provide complete and accurate technical information based on factory service information available at the time of publication. However, the right is reserved to make changes at any time without notice.

To familiarize yourself with GDS2 and its capability, and how to use it, please read through the User's Guide before putting the GDS2 to work.

GDS2 provides the following capabilities in multiple languages:

- Read codes, code status, Freeze Frame data and Clear Codes.
- Read VIN, ECU part numbers and software numbers.
- Record, store and replay Stored data.
- Control and monitor Output Control functions.
- Configure and Reset functions.
- · Record or display history of the previous vehicle diagnostic sessions.

**Important:** SPS programming of vehicle controllers is not supported in GDS2. For SPS Pass Through programming with the J2534 interface tool, use the TIS2Web SPS application.

## **Customer Support Overview**

To obtain assistance with a question or problem concerning service operations, tools or to arrange for warranty and non-warranty repairs, telephone your local Customer Support Center.

## **Before Calling**

Before making a call to the Helpdesk, be sure to have the following information ready:

- Business name, address and ACDelco TIS2Web login ID
- Telephone number where the technician may be reached.

Prepare a brief description of the problem:

- Tell when the problem occurred.
- · List any error codes displayed.
- Tell what accessories were being used when the problem occurred, and vehicle information.
- Telephone number where the technician may be reached.

### Making the Call

The ACDelco Aftermarket Support Center is available with the purchase of GDS2 software. GDS2 users may contact the following toll-free number for assistance:

1-888-212-8959

# **Important PC Hardware Guidelines**

ACDelco provides IT guidelines to help users have a seamless experience when using TIS2Web software applications. To avoid unnecessary compliance issues with TIS2Web, please review and adhere to the stated infrastructure guidelines at the following link: http://www.gmdesolutions.com/services/standards.php

These guidelines for GM Dealers also apply to independent users, Professional Service Centers and Key Fleets using ACDelco Aftermarket subscriptions. For questions on these guidelines, contact 888-212-8959, prompt #2.

# **GDS2** Installation

## GDS2 Component Overview

The GDS2 software contains the following modules which will be initially installed and updated frequently in certain periods.

GDS2 Base System:

Installed GDS2 base software in the PC.

- GDS2 Diagnostic Packages:
- Diagnostic data packages for vehicle models which execute the diagnostic routines with the vehicle controllers.
- J2534 Device Software (separate Application):

Application for update and configuration of the J2534 programming interface tool.

Users will be prompted to install MDI (Multiple Diagnostic Interface) Manager. Aftermarket customers will use the compatible J2534 interface tool and related software. If you are using a J2534 interface tool, you will not load the MDI Manager Software.



## Installation

GDS2 can be installed directly as a download from TIS2Web.

**Note:** A minimum of 2 GB of RAM is required to run GDS2. Download and installation is dependent upon the internet bandwidth available during the download process. The GDS2 application needs to be loaded on each shop PC individually. Once the initial application installation is complete, GDS2 will run in either a standalone mode when launched from the PC desktop icon or from TIS2Web.

#### Installation of GDS2

- PC must be started in Admin mode.
- Enter the TIS2Web application. Click "Continue".
- A software version screen will be displayed. Click "OK".
- Select GDS2 from the TIS2Web home page.

#### GDS2 User Guide



Select "Start GDS2" from the "BEFORE YOU START SCREEN" screen.

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BEFORE YOU START:					
The right Java software must be installed on your Techline PC for TIS-Online to work. Refer to the online help to download					
GDS 2 installation is going through several steps that might be time consuming depending on your connection speed. For further details please refer to the online help.					
Please be patient if connected via slow Internet connection					
The TIS software application does not support the use of the browser's Forward and Back buttons. Errors will occur. Please only use the buttons that are displayed on the applicat screens and not on the toolbar.	ion				

• A pop-up window will appear with an update data bar. The GDS2 installation may go through several steps.

Diagnostics	2 Manage Diagnostic Packages 3 Review Stored Data 4 Co Language 5 Preferences	
Days Remaining Until Lease Expires 14 12 12 12 12 12 12 12 12 12 12	6 © Close Application (10)	11

- Once GDS2 is installed, select the appropriate language and click "OK". The main application screen will be displayed next. A GDS2 logo will now also be displayed on your desktop. GDS2 Software Version and GM Global Version will appear at the bottom left hand corner of the screen (12).
- You must install the Diagnostic Package prior to using the application. If a Diagnostic Package is not installed, a "No diagnostic packages installed in application" message appears on the GDS2 main menu. See Download and Update GDS2 Diagnostic Packages, below.

#### Installation from TIS2Web

**Note:** During the installation from TIS2Web, approximately 50 MB of data is downloaded via the internet.

Depending on your computer's security, your firewall may require reconfiguration to perform TIS2Web functions.

**Note:** The described update processes require that the PC is always running in Admin mode.

## GDS2 License Control System (Lease)

The GDS2 lease prevents the unauthorized use of GDS2. To renew the GDS2 lease it is required to launch GDS2 from the TIS2Web.

605 2					
	Diagnostics	2	Manage Diagnostic Packa Review Stored Data Carl Language Preferences	ges	
No valid lease	found.				
			Olose Application		
Back	Feedback	Home	U Vehicle Menu	Conter	
GDS 2 v.11.2.01100					22

If the GDS2 lease renewal fails, an error message, "No Valid lease found" prompts the user to launch the GDS2 application from TIS2Web for lease renewal.

If the lease agreement fails, click on the Diagnostic Client (2), delete the Software Key and launch the Application. If difficulties persist, ensure the computer is in admin mode by returning to the desktop GDS2 Shortcut icon, right click, and select "Run as administrator".

## Download and Update GDS2 Diagnostic Packages

GDS2 Diagnostic Packages are diagnostic applications, which control the communication and the diagnostic services between GDS2 and the vehicle controller.



• Click on "Manage Diagnostic Packages" (2) to install a diagnostic package or click on "Update" (13) if the Diagnostic Updates Available selection is displayed.

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		Ν	/lanage Diagnostic Package	es		
Select a Diagnostic Package	to Install					
Status	Nan	ne	Ve	ersion		Date
ОК		GI	M Global v2013.12.0		2013-11-11	1
l					) (	
					Browse	Install
Model Year			Make			Model
2008		Chevrolet			HHR (Europe)	<u>^</u>
2009		Chevrolet			HHR (Europe)	
2009		Daewoo			Lacetti	
2010		Buick			Allure	
2010		Buick			LaCrosse	
2010		Cadillac			SRX	
2010		Chevrolet			Beat	
2010 Chevrolet Camaro						
2010		Chevrolet		Cruze		
2010		Chevrolet			Equipox	
K Back	Feedbac	ck	Home		Vehicle Menu	Center
GDS 2 v.11.2.01100	12.0					•

• For User ID all Valid Diagnostic packages will appear below the "Update Diagnostic Package" heading.

		Undate Diagnostic Package		
	Diag	Downloading nostic Package GM Global v2013	3.12.0	
		0%		
		-	45	Î IN
Back	Feedback	Home	O Module	Conter 201

- Select the diagnostic package (1) you want to download from the list on the screen. All available applications will be downloaded. Model Year, Make, and Model will appear towards the bottom of the screen for the package highlighted (2). Review By selecting Browse (3). When you find the diagnostic package desired, select "Install" (3).
- As a diagnostic package is loaded, installation will be displayed on the screen. Loading time will vary depending upon the size of the diagnostic files to be installed.

6) GDS 2		the second s		_	_ 0 X
(1)		Manage Diagnostic Package	55		
Select a Diagnostic Package to Ir	nstall				
Status	Name		Version		Date
ок		GM Global v2013.12.0		2013-11-11	
		(2)	Brown	3	install
Model Year		Make		Model	
2008	Chevrolet		HHR (Europe)		
2009	Chevrolet		HHR (Europe)		
2009	Daewoo		Lacetti		
2010	Buick		Alure		
2010	Buick		LaCrosse		
2010	Cadillac		SRX		
2010	Chevrolet		Beat		
2010	Chevrolet		Camaro		
2010	Chevrolet		Cruze		
2010	Chevrolet		Equinox		
2010	Chevrolet		Sail		
2010	Chevrolet		Spark		*
Eack	Feedback	Home	<b>(5</b> Mood	0	M Enter
GDS 2 v.11.2.01100					🕷 🤌 🛶 🔍 🔍

• After the diagnostic package is installed GDS2 will close itself and restart automatically. Please wait until the GDS2 window comes up again showing the startup screen. This may take a while. Don't try to manually restart GDS2 during this timeframe.

## Uninstallation of GDS2

GDS2 can be uninstalled by starting the following programs:

For Windows 7, Win 7 Pro, or Vista Business

"Start" (Windows 7 Logo) – Control Panel – Programs – Programs and Features – Uninstall a program – Double click on "GDS2" – Select "Yes"



#### Change the GDS2 Language/Regional Settings

Select "Language" (4) from the GDS2 main application screen. A list of available languages will be displayed. Select the appropriate language and exit the screen by selecting "Back" (7).

GDS2 memorizes some settings the user changes during a diagnostic session, such as zoom-level or font size. By selecting "Preferences" (5) GDS2 settings can be configured and saved.

# **Getting Started**

## Prior to using GDS2

It is important to observe the following precautions:

#### **Caution:**

- To help avoid vehicle module damage, only use current versions of the J2534 interface tool and software. GDS2 and the J2534 interface tool must have the latest software. Failure to update the device with the latest software may result in misdiagnosis of vehicle.
- Make sure the vehicle battery is fully charged. Battery voltage for GDS2/J2534 interface tool should be between 12–14 volts for a 12-volt vehicle. Due to the time requirements of diagnosing a controller, install a constant voltage power supply battery charger/maintainer SPS Programming Support Tool (North American Usage) to maintain system voltage. Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming.
- If a constant voltage power supply battery charger/maintainer is not available, DO NOT connect a regular battery charger. Connect a fully charged 12V jumper or booster pack disconnected from AC voltage supply.
- Make sure the cable connections are secured.
- In using a laptop computer/other display device for GDS2, ensure that the power supply is properly connected. If powered by an AC power cord, ensure the computer is receiving power. If the laptop is operating from its internal power source (battery), then make sure it is adequately charged to utilize the GDS2 program.

**Note:** In order to reduce the potential for signal loss, the J2534 interface tool should be configured for the most stable communication option at your location. You can choose from USB, Ethernet, or Wireless Ethernet.

# **GDS2 Start - Up Procedure** Starting GDS2



GDS2 can be started through TIS2Web by clicking the "GDS2" icon. Alternatively GDS2 can be launched in standalone mode through the Windows Start menu.

# **Navigation Selections**

There are 5 main navigation selections available towards the bottom of all GDS2 screens. Selections not active for the current screen will be displayed in grey.

🚳 GDS 2		the last A surgery same		
			🧟 Manage Diagnostic Pa	ckages
$\sim$	Diagnostica		Review Stored Data	
Diagnostics			🔕 Language	
	_		X Preferences	
Days Remaining Until Leas	e Expires		Close Application	
Back	Feedback	Home	Uehicle Menu	Conter
GDS 2 v.11.2.01100 GM Global v2013.	.12.0			<b>₽</b> <u>2</u> <u>2</u>

The selections have the following functions:

Navigation Selections	Functions
Back	Returns you to the previous screen
Feedback	This selection will be available at some time in the future. This selection (8) is your opportunity to provide feedback on any problems that you may have experienced with the application, or suggestions of any improvements that you would like to see. We would also like to hear comments on what we are doing right. When describing problems, please be as descriptive as possible. Explain exactly what you were doing when the problem occurred and if the problem is reproducible.
Home	Returns you to the main application screen.
Vehicle Menu	Takes you back to a previous menu for the selected vehicle.
Enter	Allows you to make a selection.

# Entering Vehicle / J2534 Programming Interface Tool Information

③ GDS 2				
	Diagnostics		<ul> <li>Manage Diagnostic Package</li> <li>⊘ Review Stored Data</li> <li>(<ul> <li>(<ul></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul>	15
Days Remaining Until Lease Exp 6	ires		Close Application	
Back	Feedback	Home	U Vehicle Menu	Call Enter
GDS 2 v.11.2.01100 GM PreProduction v2013.	10.11			• <u></u>

- 1. Select the Diagnostics icon (1) from the main application screen.
- 2. The Vehicle Selection Menu will be displayed.

() GDS 2		- • ×
	Vehicle Selection	
Device: No Device Selected	Select Device Disconnect Navigate Without Device	
	Device Explorer	
Make		1
Model		
Model Year		
VIN:		Decode VIN Read VIN
VIN		Timestamp
	Connect Cancel	
Eack	Feedback Torne Vehicle N	Menu 🤗 Enter
GDS 2 v.11.2.01100		📮 🤌 💫 💫

 J2534 Interface Tool Selection: All J2534 interface tools available on the various networks at the dealership are displayed. You can select the J2534 interface tool that you are using to perform vehicle diagnostics. For J2534 interface tool connection, highlight the available J2534 interface tool (1) by clicking on it and select "Connect". Choose "Select Device" to check for new J2534 interface tools on the available networks.

GD GDS 2	And in case of the local division of the loc		Contrary Street, or other		
			Vehicle Selection		
Devices	No Davias Colorted	Colort Davies	inconnect	$\frown$	
Device.	No Device Selected	Selet Device	Wavigate without Device	1)	
Enter a VIN				<b>_</b>	
Make					
Model					
Model Year					
			**		
			Clear Vehicle Selection	(2)	
	( <b>2</b> )			J	(4)
VIN:	2				ecode VIN Read VIN
	VIN	Model Year	Make	Model	Timestamp
1G1PA5SG5D7100	040	2013	Chevrolet	Cruze	Oct 17, 2012 11:16:12 AM
3GYFNBEY9AS652	190	2010	Cadillac	SRX	Oct 16, 2012 8:22:10 AM
					$\frown$
					(6)
	Back	Feedback	Home	U Module	Enter
GDS 2 v.9.8.02101	•				ای ی_ ب

To continue GDS2 without any connected J2534 interface tool, select "Navigate Without Device" (1). After the initial connection to a J2534 interface tool by a specific PC, the subsequent connections will be made automatically when the specific J2534 interface tool is available.

- VIN Entry: Given the J2534 interface tool is connected to the vehicle, the VIN number (2) will be automatically received by the GDS2 software. If not, the Vehicle Identification Number (2) can be manually entered (J2534 interface tool connection required). After the VIN is entered, the vehicle's Make, Model, and Model Year will be displayed on the screen. The VIN can also be read by selecting "Read VIN" (4), then "Decode VIN" (3). "Timestamp" (5) provides a record of when the data was originally viewed/stored. To proceed in the diagnostics process, Select "Enter" (6).
- Vehicle Identification Selection: If you do not want to enter a VIN, the vehicle Make, Model and Model Year can be selected through a series of screens. You are also able to select a number of diagnostic options, depending upon the functions you want to explore: Module Diagnostics, Diagnostic Trouble Codes, Identification Information, Control Functions, Configure/Reset Functions etc.

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				Vehicle §	Selection				
Device:	No Device Se	lected	Select Device	Disconne	ect	Navigate Without Devi	се		
Enter a VIN									
Make									
Model									
Model Yea	ar								
				Clear Ve	hicle Selection				
VIN:							Decode VI	N	Read VIN
	/IN	1	Model Year		ko	1	Model		Timostamp
3GCUKREC0E	G181090	2014	moudi i dai	Chevrolet	ing.	Silverado	model	Dec 11, 20	13 1:28:38 PM
	Back	1	Feedback		Home	U	Vehicle Menu	2	Enter 4
GDS 2 v.11.2.01100	GM Global v2013.	12.0				Λ		-	3) <u>2</u> 2

• Vehicle Diagnostic History: If a vehicle has been diagnosed previously with GDS2, the VIN and associated information will be stored towards the bottom of the screen. Entire diagnostic sessions for multiple VINs can be displayed and stored. Highlight the vehicle you want to diagnose (1) and select "Enter" (2).

# **Diagnostics** Diagnostic Data Display



To enter Diagnostics, select the Diagnostics icon (1) from the main application screen.

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🐵 GDS 2		10.1m	a in the second s		_ <b>D</b> X
Data Display			📋 Create	e Report	🕔 Add Bookmark
Diagnostic Data Display Graphical Data	Display Line Graph DTC Display				
Engine Data					•
	Parameter Name	Control Me	odule	Value	Unit
Engine Speed		Engine Control Mod	ule		RPM 🔺
Desired Idle Speed		Engine Control Mode	ule		RPM
ECT Sensor		Engine Control Mod	ule		°C =
IAT Sensor 1		Engine Control Mod	ule		°C
IAT Sensor 2		Engine Control Mode	ule		•C
Ambient Air Temperature		Engine Control Mode	ule		°C
Cold Start-Up		Engine Control Mod	ule		
MAF Sensor		Engine Control Mod	ule		g/s
Engine Load		Engine Control Mode	ule		%
Accelerator Pedal Position		Engine Control Mode	ule		%
Throttle Position		Engine Control Mode	Engine Control Module		%
An Departure Cold Start-Up AAF Sensor Engine Load Accelerator Pedal Position AAP Sensor AAP Sensor AAP Sensor BARO		Engine Control Mod	Engine Control Module		kPa
MAP Sensor		Engine Control Mod	ule		V
BARO		Engine Control Mode	ule		kPa
Calculated BARO		Engine Control Mode	ule		kPa
BARO Sensor		Engine Control Mod	ule		V
Air/Fuel Equivalence Ratio Comr	nand	Engine Control Mod	ule		
Fuel Control Loop Status		Engine Control Mod	ule		-
Back	Feedback	Home	<b>U</b> Ve	hicle Menu	🤧 Enter
GDS 2 v.11.2.01100 • GM Global v2013.	12.0 • VIN: 3GCUKREC0EG181090 • 20	014,Chevrolet,Silverado,3GC			R 2 2

The Diagnostic Data Display application provides real-time status of the vehicle controller data and signals. On the GDS2 Diagnostic Data Display, available data lists are available from a drop down menu.

Data Display Icons	Description
	Click on this selection to pause the display of data.
Ľ	Click on the light switch to change the data from English to Metric Units.
	Click the lock to move highlighted data to the top of the data list
	Click the up arrow, to scroll the highlighted bar one parameter up. Selection not available from the first parameter.
	Click the down arrow, to scroll the highlighted bar one parameter down.
<b>O</b>	Click on the plus magnifying glass to increase the size of highlighted displayed data.
	Click on the minus magnifying glass to decrease the size of the highlighted displayed data.



Data Display Icon	Description
	This icon marks data points (with hash marks) on graphed data lines.
	This icon can be used to provide a graph of previously stored data for the selected data list.
Add Bookmark	Add Bookmark can be used to "tag" the data as a bookmark for future retrieval.
LINE GRAPH	The Line Graph tab can be used to provide a graph of previously stored data for the selected data list.
Module	Module can be used to return to the list of available vehicle modules.



The slide below provides additional directional selections for graphical displays.

The Scroll Bar is found on the right of the graph and selection drop down menu. It allows you to scroll up or down in the data lists.

### **DTC Display**

When Diagnostic Trouble Codes (DTC)/DTC Display is selected, a summary screen with a set of columns including Control Module Name, Control Module Status, and DTC Count are displayed.

ehicle DT	C Information				🜗 Add Snapshot Bookmark	
DTC Summary						
Status	Control Module Name		(	ontrol Module Status	DTC Count	
<ul> <li>Image: A set of the set of the</li></ul>	Engine Control Module		No DTCs Stored		0	~
0	Fuel Pump Control Module		Not Connected			
1	Transmission Control Module		No DTCs Stored		0	
A.	Electronic Brake Control Module		No DTCs Stored		0	
<ul> <li>Image: A set of the set of the</li></ul>	Parking Brake Control Module		No DTCs Stored		0	
	Multi-Axis Acceleration Sensor Module		DTCs Stored		1	
1	Power Steering Control Module		No DTCs Stored		0	
1	Steering Wheel Angle Sensor Module		No DTCs Stored		0	
Ø	Suspension Control Module		Not Connected			
<ul> <li>Image: A start of the start of</li></ul>	Body Control Module		No DTCs Stored		0	
1	Inflatable Restraint Sensing and Diagnostic Modu	le	No DTCs Stored		0	
A	Passenger Presence Module		No DTCs Stored		0	
1	Instrument Cluster		No DTCs Stored		0	
Ø	Headlamp Control Module		Not Connected			
<ul> <li>Image: A set of the set of the</li></ul>	Radio		No DTCs Stored		0	
0	Digital Radio Receiver Control Module		Not Connected			
Ø	Telematic Vehicle Localization and Immobilization	n Control Module	Not Connected			
Ø	Mobile Telephone Control Module		Not Connected			
1	Telematics Communication Interface Control Mod	lule	No DTCs Stored	0		
1	HVAC Control Module		No DTCs Stored		0	
1	Seat Memory Control Module		No DTCs Stored		0	
Ø	Rear Seat Heating Control Module		Not Connected	40		~
	Clear DTCs	Č	🥏 Refresh		📰 Details	
	Back Feedback	1	Home	Module		

#### **Refresh DTCs**

If 'Refresh' is selected, GDS2 will request a DTC update from the controller.

🕼 GDS 2							
Vehicle DTC	Information					🕔 Add Snapshot Bookmark	
DTC Summary							
Status		Control Module Nar	ne	[	Control Module Status	DTC Count	
1	Engine Control M	odule		No DTCs Stored		0	~
0	Fuel Pump Contro	ol Module		Not Connected			
1	Transmission Cor	ntrol Module		No DTCs Stored		0	
1 no	Electronic Brake 0	Control Module		No DTCs Stored		0	
1 and	Parking Brake Co	ntrol Module		No DTCs Stored		0	
	Multi-Axis Acceler	ation Sensor Module		DTCs Stored		1	
1	Power Steering C	ontrol Module		No DTCs Stored		0	
1	Steering Wheel A	ngle Sensor Module		No DTCs Stored		0	
0	Suspension Cont	rol Module		Not Connected			
1	Body Control Mod	lule		No DTCs Stored		0	
1	Inflatable Restrain	nt Sensing and Diagnosti	: Module	No DTCs Stored		0	
1	Passenger Preser	nce Module		No DTCs Stored		0	
1 and	Instrument Cluste	r		No DTCs Stored		0	
0	Headlamp Contro	il Module		Not Connected			
1	Radio			No DTCs Stored		0	
0	Digital Radio Rec	eiver Control Module		Not Connected			
0	Telematic Vehicle	Localization and Immob	ilization Control Module	Not Connected			
0	Mobile Telephone	e Control Module		Not Connected			
1	Telematics Comn	nunication Interface Cont	rol Module	No DTCs Stored		0	
1	HVAC Control Mo	dule		No DTCs Stored		0	
1	Seat Memory Cor	ntrol Module		No DTCs Stored		0	
0	Rear Seat Heating	g Control Module		Not Connected	400		~
	Clear DT	Cs		🥏 Refresh		Details	
<b>~</b>	Back	Feedbac	ĸ	Home	<b>O</b> Module	🦟 Enter	
GDS 2 v.9.6.0030	0 🔘 GM PreProdu	iction v2012.10.5 🔘 VIN	:1G11H5SA1DU100096	2013,Chevrolet,Mail	libu	🏓 14.4 V 🔍	2

#### **Details Selection**

If 'Details' was selected, a detailed DTC display screen appears.

4 GDS 2						
Vehicle DTC Information	ı		🔝 Sav	/e Report	🕔 Add Snapshot Bookmark	
DTC Display						
Control Module	DTC Symp	om Descrip	tion	Symptom Descript	ion Status	
Multi-Axis Acceleration Sensor	U0121 00	Lost Communication with E	lectronic Brake Contr	Malfunction	History	
<u></u>	Category			Decoded Valu		
This Ignition Cycle	outogoly		Passed	Dottada vala		
Last Test			Passed			
Since DTC Clear			Passed			
DTC History Status			History			
MIL Status			Not Requested			
Clear I	DTCs		Refresh		Summary	
Back	Feed	back	Home	<b>U</b> Module	Center	
GDS 2 v.9.6.00300 🕥 GM PrePro	 duction v2012.10.5 🔘 '	/IN: 1G11H6SA1DU100096 🔘 2	013,Chevrolet,Malibu		≠ 14.4 V 🔍 🔍	

Control Module (1), DTC (2), Symptom Byte (3), Description (4), Symptom Description (5), and Status Byte (6) are all displayed at the top of the chart. At the bottom of the chart Category (7) and Decoded Value (8) are shown. Back (9) returns you to the DTC display.

C) GDS 2	Contract of the local division of the			
Data Display			Create Report	🚯 Add Bookmark
Diagnostic Data Display Graphical Data Display	DTC Sumption Data	Description	Cumotos Description	Chaka .
1	2 3	4	(5	6
			8	
	Category		Decoded Value	
Eack 9	Teedback	Home	(j Module	🤧 Enter
GDS 2 v 9.8.02101	IN 1G1PA85G6D7100040 @ 2013,Chevrolet,Cruze	(		····· 22 63

#### **Clear DTCs**

If Clear DTCs (11) is selected, a DTC Display screen will appear.

© 6052				
				22
DTC Display				Add Snapshot Bookmark
Clear DTCs				
Engine Control Module				
2	1		3	(4)
	1			
Add All	Add		Remove	Remove All
	P		G	N
	0		6	/
	ок		Cano	al
Back	Teedback	Home	C5 Module	The Enter
Ver: 4.0.05700 GM Global v2011.1.10				

Use Add (1) or Add All (2) to select the ECUs you want to clear. Some ECUs can only be cleared together, in which case they will be selected together. Select Remove (3) to start the process to clear the selected ECUs. Select Remove All (4) to start the process to clear all the ECUs. Select OK (5) to clear selected ECUs. Select Cancel (6) if you do not want to clear any ECUs at the current time. If OK is selected, a message to clear DTCs will appear. The deleted codes will disappear with the next refresh.



**Note:** Only the Close Application (6) selection allows you to completely leave the Diagnostic Application. It is not possible to exit GDS2 while diagnostic applications are being performed. To Exit GDS2, navigate back to the GDS2 Application page by selecting the Back (7) followed by Home (9) when it is available.

#### Leave the DTC Application

## GDS2 Stored Data (Snapshot)

In GDS2 there is no conventional snapshot as there has been in the past. GDS2 will save all of the past 20 VINs and diagnostic data for future viewing. While viewing live data, the user has the option to "tag" the data with bookmarks. To view previously stored data:

• Select 'Review Stored Data' from the GDS home screen.

🚯 GDS 2				
	Diagnostics		<ul> <li>☑ Manage Diagnostic Package</li> <li>☑ Review Stored Data</li> <li>☑ Language</li> <li>➢ Preferences</li> </ul>	5 S
Days Remaining Until Lease Expires 6			Close Application	
Back	Feedback	Home	U Vehicle Menu	🦔 Enter
GDS 2 v.11.2.01100 GM PreProduction v2013.1	0.11			

• Select the VIN (1) for the vehicle you wish to view.

•

- Select Import Session (2) if you want to bring in a Snapshot file to view in GDS2. The Snapshot file will be sent to a directory for viewing in GDS2.
- Select Snapshot (3) to display the highlighted snapshot event.

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unity c-		1 Sessions			
VN	Model Year	L Make	Model	Timestamp	-
G1PA650607100040	2013	Chevrolet	Chans	Oct 19, 2012 8:60 12 AM	
PYFNBEY9A5662190	2010	Cadillac	SRX	Oct 16, 2012 8:22:10 AM	
				( <b>2</b> )	
Edit		Stored Data		import Sess	sion
Timestamp	Module Name	Application Type	Application Name	Language	-
		Vehicle DTC Information	Vehicle DTC Information		
18, 2012 7:34:50 PM		Vehicle DTC Information	Vehicle DTC Information	ENGLISH	
18, 2012 4:30:02 PM	Engine Control Module	Data Display	Data Display	ENGLISH	
18, 2012 4:26:44 PM	Engine Control Module	Control Functions	A/C Compressor Clutch Relay	ENGLISH	
18, 2012 4:26:38 PM	Engine Control Module	Cooling Fan	Cooling Fan Relay 1	ENGLISH	
18, 2012 4:26:35 PM	Engine Control Module	Control Functions	Compression Test	ENGLISH	
118, 2012 4:26:31 PM	Engine Control Module	Control Functions	A/C Compressor Clutch Relay	ENGLISH	
18, 2012 12:59:00 PM	Engine Control Module	Data Display	Data Display	ENGLISH	
1 18, 2012 12:21:54 PM	Engine Control Module	Data Display	Oata Display	ENGLISH	
118, 2012 11:07:48 AM	Engine Control Module	Data Display	Data Display	ENGLISH	
t 18, 2012 9.43:29 AM	Engine Control Module	Identification Information	Calibration History	ENGLISH	
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## **Configuration and Reset Functions**

The configuration and reset functions are specific controller functions which need to be executed when system actuators are replaced or when they require a reset. For more details, refer to the applicable Service Manual of the system.

# **Troubleshooting**

## J2534 Interface Tool Connection Problems

If the J2534 Interface Tool connections are loose or not properly connected to the vehicle/computer, a loss of communications message will be displayed. Perform the following steps:

Note: MDI Manager Software cannot be in use when attempting to use GDS2.

- Make sure the MDI Manager Software is not running at the same time GDS2 is being used.
- Make sure the J2534 interface tool is properly connected to the vehicle and computer.
- Ensure sufficient voltage is available for proper function of the J2534 vehicle interface.
- Use a known "good USB cable" from another J2534 unit, if available. Confirm all connections and try again.
- Use a known "good J2534 DLC connection cable" from another J2534 unit, if available. Confirm all connections and try again.
- If the condition is still present, contact Customer Support.
- Make sure that the firewall does not block GDS2/J2534 interface tool communication.