Subject: <u>GM Techline Connect</u> replacing <u>GM Tis2web</u>

Revised date: December 19, 2022

Model (Years): XL7 (2007 to 2009)

Affected Departments: Service, Management

Appendix: Parts required to set up Tech 2 Tool (page 14)

On Monday November 29, 2021, the <u>GM Techline Connect</u> website replaced the prior <u>GM Tis2web</u> website that provides online support for select Suzuki models. <u>GM Techline Connect</u> (aka Techline Connect) will provide the same programming and software download functions as <u>GM Tis2web</u>, through a new cleaner and easier-to-use format.

<u>Tis2web</u> is a General Motors (GM) website available through Genuine Suzuki Manuals that allow technicians to:

- 1) Program calibration files for modules in the 2007-2009 Suzuki XL7 (<u>Refer to SPS 2</u> <u>Reprogramming System on page 4</u>).
- Download and install diagnostic software into a GM 32 MB memory card used with the Tech 2 diagnostic tool to perform diagnostics on the XL7 (<u>Refer to Tech 2 Diagnostic</u> <u>Software Update on page 9</u>).

Once installed, the <u>GM Techline Connect</u> software and website will provide the same functions.

To assist Suzuki Service Providers with the transition, <u>Techline Connect</u> will be available for use on November 1, 2021, operating concurrently with <u>Tis2Web</u> on the Genuine Suzuki Manuals website until November 29, 2021, at which point <u>Tis2web</u> will be discontinued.

<u>Techline Connect</u> requires an initial download of the <u>Techline Connect</u> software to be able to use it. After the initial download and installation, you will be able to access <u>Techline Connect</u> through www.GenuineSuzukiManuals.com.

Minimum system requirements:

Operating System:	Windows 10 Professional, 64-bit.
Processor:	Intel Core i7 5th Gen.
System Memory (RAM):	8 GB (minimum)
Hard Drive:	500 GB (minimum)
Browser:	Chrome (Internet Explorer, Firefox, and Edge are not supported)

NOTE:

Older operating system such as Windows 7 or 8 are not supported. Techline Connect may not be accessible or will not function properly if you try to use a noncompliant operating system.

To access Techline Connect for the first time, perform the following steps.

- 1) Go to the **www.SuzukiGenuineManuals.com** website and select **Automotive** for the product type.
- 2) Next select the Model Year and XL7 for the model.
- 3) In the list below you will see **Security and Diagnostics**. Click on the text **Click to Show or Hide** just below.
- 4) In the menu below you will see "2007-2009 XL7 (Techline Connect Pass-Thru Programming and Memory Card Diagnostic Software - 24 hour (Single Day) Subscription.)". Click on the Add To Cart button and follow the steps to purchase the 24-hour subscription.

2007-2009 XL7 (Techline Connect Pass-Thru Programming and Memory Card Diagnostic Software - 24 hour (Single Day) Subscription.)

ADD TO CART

5) Once the purchase process is complete, you will be given an access code.

Your 24 hour access code is: hf

This code expires at 11/18/2021 4:59 PM Pacific Time.

- 6) Click on the Access button on the confirmation page, or navigate back using the Techline Connect Pass-Thru Programming and Memory Card Diagnostic Software link above and click on the Access button to input the supplied access code.
- 7) If it is not already listed, input the Access Code and click on ACCESS Techline Connect.

Access Code	×	
Please enter the 24-h	our 8-digit access code you purchased:	
hf XXXXXXX	ACCESS TechLine Connect	

This will take you to the Techline Connect Admin Console.

8) The first time in Techline Connect, you will need to download the <u>Techline Connect</u> software. Make sure "Launch Techline Connect as admin" is checked. Then click on "Download Techline Connect" and the software will begin to download.

TLC Admin Console		
Home		
 Launch Technine Connect as admin 		
Download Techline Connect Launch Techline Connect		

9) Run the software by clicking on the TLC installer.



10) Install the Techline Connect software suite by clicking on Next.



11) Click on **Complete** to install the complete suite. Please be patient, the software installation may take several minutes.



12) Once the installation is complete, click on Finish and close Techline Connect.



13) <u>Techline Connect</u> will start and ask for a username and password. Close <u>Techline Connect</u> and the Profile Preferences windows to completely exit Techline Connect.

9 <u>0</u> *		
*		
	TECHLINE CONNECT Username	Terms and Conditions
	Enter Standalone Mode	Submit

GM Techline Connect Version: 1.12.0.1 Production				
Preferences	Settings	Download Settings	Remote Support	
PROFILE P	REFERENC	ES:		
Locale				
Region		-		
North America		•		
		Save		

14) The software installation is now complete. You must go back into Genuine Suzuki Manuals and restart <u>Techline Connect</u> to begin using it for the first time.

SPS2 Service Programming System

The Service Programming System (SPS) updates the flash calibration files that are stored on onboard vehicle control modules using Pass-Thru Programming tools. You must have the <u>Techline Connect</u> software installed prior to using SPS2 for vehicle programming.

- 1) To start Pass-Thru Programming of modules, attach your Tech 2, SDT 2, Suzuki SDS, or other J2534 compliant Pass-Thru tool to the computer and the vehicle. Drivers for your tool must already be loaded on the computer you are using to program.
- 2) For parts and tools required to configure the Tech 2 tool for programming see the appendix on page 14.
- 3) Attach a battery tender to the battery to maintain battery voltage.
- 4) Go to the www.SuzukiGenuineManuals.com website and select Automotive for the product type, select the Model Year and XL7 for the model. In the list below you will see Security and Diagnostics. Click on the text Click to Show or Hide just below.
- 5) In the menu below that you will see "2007-2009 XL7 (Techline Connect Pass-Thru Programming and Memory Card Diagnostic Software - 24 hour (Single Day) Subscription.)". Click on Access and input your Access Code to start Techline Connect.



ADD TO CART	ACCESS

6) Each time you start <u>Techline Connect</u> you will begin at the Admin Console. Click on Launch Techline Connect. This will launch the <u>Techline Connect</u> application.

TLC A	dmin Console		
Home			
Z Launch	Techline Connect as ad	min	
💠 Down	load Techline Connect	F Launch Techline Connect	

7) <u>Techline Connect</u> will check for any necessary software updates and configuration files and then take you to Vehicle Selection.

NOTE:

If you do not see the "Checking Lease" and "Software Update" popup page shown below, there may have been an error loading the software and the website may return you to the Techline Connect Dashboard.



Do not click on the "Login to Launch Techline Connect again" button because it will not work, and you will receive an Error 404 code. In this situation, completely close the <u>Techline Connect</u> site/application and restart it by going through **www.SuzukiGenuineManuals.com** and re-inputting your access code as outlined in steps 1 through 7.

8) For Pass-Thru programming you will not initially use vehicle selection, so close it by clicking on the X in the upper right corner and that will take you to the Dashboard.

Vehicle Selection: Select Vehicle		×
Connect Vehicle Connect Vehicle Manual Vehicle Selection Input VIN Enter VIN	Recent Vehicles 2S3DA417186118676 11/17/22 12:01 PM 2S3DB917886126476 1/17/22 10:33 AM 2008 • Suzuki • XL-7 AWD 12/9/21 10:30 AM	× × × ×
Close Vehicle Session		Select

9) To start Pass-Thru Programming, click on SPS2 (Service Programming System) on the menu to the left. The major difference from current SPS and SPS2 in <u>Techline Connect</u> is that the vehicle connection is established in the <u>Techline Connect</u> Dashboard.

VIN: 2S3DA41718611	*	No service data found Color: Build Date: N/A Delivery Date: N/A
Connect Vehicle		
RPO	×	
CASHBOARD		
SPS2		
Support	•	
Notifications	0	
	•	

- 10) SPS2 will open and display the vehicle VIN, there is no need to "build the vehicle".
- 11) The right side of the screen will list the "Diagnostic Tool Ready!" and list the tool as J2534. You will need to change the tool by clicking on Manually Select Tool.

SPS2		_ □ ×
	Welcome to Servi	Programming System 2
VIN: Model: Type: - Make: - Year: -	2530/417186118676	Diagnostic Tool Ready! J2534 Selected Programming Process Reprogram
	Auto Detect New Vehicle Manually Enter Vehicle Manually Enter Vehicle	Auto Detect Too Manually Select Tool
Java Ve 1.8.0_9	sion: SPS2 Version: Windows Version: 216.9.5296 Windows 10	

12) For the Tech 2 with the 32 MB memory card, select either the "Tech2 Legacy Pass-Thru" or the "Tech2 Remote" Tool from the list of tools and then select Reprogram or Replace and Reprogram. Then click on Submit.

SPS2	_ 🗖 🗙
Welcome to Service Programming System 2	
Select Diagnostic Tool	
Tech2 Legacy Pass-Thru	
Tech2 Remote	
12534	
Select Programming Process	
Reprogram	
Replace and Reprogram.	
	Submit Cancel
Java Version:SPS2 Version:Windows Version:1.8.0_922.16.9.5296Windows 10	
Print Settings	Next

13) Click Next.

SPS2		_ — ×
	Welcome to Service I	Programming System 2
VIN: 23 Model: - Type: - Make: S Year: -	S3DA417186118676	Diagnostic Tool Ready! J2534 Tool Selected Programming Process Replace and Reprogram
Java Versio 1.8.0_92	Auto Detect New Vehicle Manually Enter Vehicle on: SPS2 Version: 2.16.9.5296 Windows Version: Windows 10	Auto Detect Tool Manually Select Tool
Print	Settings	Next

14) Select the Controller Module to be reprogrammed from the list and click Next.

SPS2			_ X
		Supported Controllers	
Select Controller	r.		
Code		Controller Name	
BCM	Body Control Module		
CCM	Clutch Control Module		
EBCM	Electronic Brake Control Module		
HVSM	Heated, Vented Seat Module		
HVAC	Heating, Ventilation, and Air Conditioning		
IPC	Instrument Panel Cluster		
PPSU	Passenger Presence System		
PCM/VCM	Powertrain/Vehicle Control Module		
RAD	Radio		
RCDLR	Remote Control Door Lock Receiver		
SDM	Sensing and Diagnostic Module		
TDM	Theft Deterrent Module		
TCM	Transmission Control Module		0
NTO	NIT TO BILL		~

- 15) SPS2 will confirm controller to be programmed. Click Next.
- 16) SPS2 will confirm the calibration file to be programmed into the module. Click Next.

DASHBOARD GDS2 SI SPS2 Support	RPO -	Search Service Manuals	٩
SP52			
Calibration Selection			
Body Control Module - Programming			
Calibration			
⊘Operating system			
© System			
GrdragingEnergy Storage			
Cinterior/Exterior lighting			
'Wiper Control		_	
Clading			
I Set Theft deterrent alarm			
WHVAC Central		~	
Index			
• 2000/17			
25978291			
* x 25828126			
× x 25875232			
25928292			

- 17) Pre-programming instructions will be displayed. Click Next.
- 18) The new calibration file will be downloaded and programmed into the module.

DASHBOARD	GDS2	SI SPS2			Support RPO Search Service Manuals	Q
SPS2					_ □	×
				Sum	mary	
Body Control Module - Program	nming					\sim
Controller		ID	A Current #	Selected #	Description	
BCM	1		Unrecognized Calibration	25910475	Operating system	
BCM	2		Unrecognized Calibration	25928292	Calibration for vehicles withOUT steering wheel buttons. (RPO UK3)	
BCM	3		Unrecognized Calibration	25928307	New calibration for running software change.	
BCM	4		Unrecognized Calibration	25928268	Calibration for vehicles with fog lamps	
BCM	5		Unrecognized Calibration	25928316	New calibration for running software change.	
BCM	6		Unrecognized Calibration	25928305	New calibration for running software change.(For Chevrolet or Pontiac only)	
BCM	7		Unrecognized Calibration	25928275	New calibration for running software change.	
BCM	8		Unrecognized Calibration	25928312	New calibration for running software change.	
BCM	9		Unrecognized Calibration	25928323	Powertrain Control	
BCM	10		Unrecognized Calibration	25928309	New calibration for running software change.	
BCM	11		Unrecognized Calibration	25928310	New calibration for running software change.	

19) When programming is complete, clear any DTCs and follow SPS2 instructions to finalize programming.

Tech 2 Diagnostic Software Update Download

To download the Tech 2 diagnostic software to a memory card, you must have:

- a. A Tech 2 diagnostic tool connected to the computer with all the correct USB and RS232 cables and serial port adapters (see appendix for a list of required parts).
- b. The <u>Techline Connect</u> software installed.
- Go to the www.SuzukiGenuineManuals.com website and select Automotive for the product type, select the Model Year and XL7 for the model. In the list below you will see Security and Diagnostics. Click on the text Click to Show or Hide just below.
- In the menu below that you will see "2007-2009 XL7 (Techline Connect Pass-Thru Programming and Memory Card Diagnostic Software - 24 hour (Single Day) Subscription.)". Click on Access and input your Access Code to start Techline Connect.

2007-2009 XL7 (Techline Connect Pass-Thru Programming and Memory Card Diagnostic Software - 24 hour (Single Day) Subscription.)

ADD TO CART	ACCESS

3) Each time you go to <u>Techline Connect</u> you will start at the Admin Console. Click on Launch Techline Connect.

TLC Admin Console	
Home	
Launch Techline Connect as ad	min
Download Techline Connect	✓ Launch Techline Connect

4) <u>Techline Connect</u> will check for any necessary software updates and configuration files and then take you to Vehicle Selection.

NOTE:

If you do not see the "Checking Lease" and "Software Update" popup page shown below, there may have been an error loading the software and the website may return you to the Techline Connect Dashboard.



Do not click on the "Login to Launch Techline Connect again" button because it will not work, and you will receive an Error 404 code. In this situation, completely close the <u>Techline Connect</u> site/application and restart it by going through **www.SuzukiGenuineManuals.com** and re-inputting your access code as outlined in steps 1 through 7.

5) Starting Techline Connect you will see the Vehicle Selection screen. Close it by clicking on the X in the upper right corner.

Vehicle Selection: Select Vehicle		×
	Recent Vehicles	Û
Connect Vehicle	2S3DB XXXXXXXXXX 10/21/21 9:03 AM	×
Manual Vehicle Selection Input VIN Enter VIN	2S3DA XXXXXXXXXXX 10/20/21 6:08 PM	×
Year		
Make		
Model		
Current SI Region:North America		
Reset Vehicle Session	Sele	ect

6) This will take you to the <u>Techline Connect</u> Dashboard. Click on the **Support** dropdown menu on the left and then click on **Software Download**.

gm ·	Ş	
VIN: NA		
Select Vehicle		ehicle Make
Connect Vehicle		_INFO}
	Þ	
CASHBOARD		
SPS2		
Support	Þ	About Reporting Tool
Notifications	0	Security Software Download
▲ 10A7B888	Þ	PC Analyzer

7) Click on Tech 2 and then Custom, then click Next.

	Software Download 🛄 🗙
	Select Diagnostic Tool Tech 1 Tech 2
Cations	Update Mode Standard The Applications will be automatically selected based on the current content of the Custom Applications a d languages must be selected from the list of available choices

- 8) Click on the correct version of the Tech 2 software to download to the memory card (If you receive any errors, check the connection to the Tech 2 and retry).
 - a. 31.003 is the most current diagnostic software for the XL7
 - b. 32.001 is only for the ABS system on the Suzuki Forenza (refer to bulletin TS 03 02283)
 - c. Then click **Download.**

Suzuki 31.003 32 EN 2012-08-09
31.003 32 EN 2012-08-09
32 EN 2012-08-09
EN 2012-08-09
2012-08-09

9) The software will start downloading.



	Performing the Software Dow	mload	X
E	The Selected Applications are loaded Erase Progress	onto the Diagnostic Tool	
6	Download Progress		
	Download Status		
	Downloading .	Estimated time remaining 00:04:10	
	4536757 Bytes read from 6424774 Byte	5	

10) When download is complete click **Close**. The Tech 2 will go back to the home screen and show the updated software version **(31.003)** that was installed.

	The following applications ha	ave been downloaded to the Diagnostic Tool:	_
P.P.B.	Application Name:	Suzuki	
CIC.	Version #:	31.003	
	Card Size:	32	
YD	Language:	EN	
A	Version Date:	2012-08-09	
1			

11) Software download and installation is now complete.

If you require any assistance with the <u>Techline Connect</u> software installation, please contact the Suzuki Automotive Customer Service department at <u>autocr@suz.com</u>.

Appendix: Parts required to set up your Tech 2 tool for diagnostics, module programming, and programming the memory card.



Required parts:

- 1 Tech 2 Diagnostic Tool
- 2 GM 32 MB Memory Card GM # 3000169 (Suzuki # 99970-30169)
- 3 Tech 2 DLC connector adapter: GM # 3000098 (Suzuki # 99970-30098)
- 4 GM CANDI Module GM # 3000164 (Suzuki # 99970-45289-00B (Used))
- 5 Tech 2 DCL cable GM #3000095 (Suzuki # 99970-3009)



- 6 USB Adapter part no.: MGF # KSP-19HS-232 (Keyspan 19HS on Amazon.com)
- 7 Serial Adapter part no.: GM # 3000111 (Suzuki #99970-30111)
- 8 Generic USB printer cable (source locally)
- 9 RS232 cable part no.: GM # 3000110 (Suzuki # 99970-30110)