# Stored Data Main Screen

The Stored Data Main Screen displays data selected from Event File Trees. The first screen displays the vehicle connection information data file and accompanying remarks.

Techstream (Ver 7)	.20.015) - 11149			
File Function Setup T	TS User Help			
1 Select Store	d Data			
2013 GS450h 2GR-FXE	ile Notes:	LEXUS		2
905161 mile	Model:	G \$450h		
2013_GS450h_2	ModelYear: Engine	2013 2GR-FXE		
File Notes	Option 1:	Others		
Data 1-20	Option 2:			
9	Option 3:	4		
8	Ddometer:	905161 mile	JTDK820U063300195	
5	Stored by:	Ver 7.20.015 User Type:	US Dealer	
	5			8
7	NextTip			
Sort Expand>> TIS Search Print Back	TIS Keyword Frid Binard Stapes		ind TIS information fast using new keyword search capability, <u>Click here</u> to learn more,	
5400-01			Default User	DLC 3 🔹 🥖

Diagnosis Screen (Stored Data Tab)



```
\mathsf{Default} \rightarrow \mathsf{Date}/\mathsf{Time} \ (\mathsf{Ascending} \ \mathsf{Order}) \rightarrow \mathsf{Date}/\mathsf{Time} \ (\mathsf{Descending} \ \mathsf{Order}) \rightarrow \mathsf{Default} \cdots
```

Software Version

Displays the software version that was first used to obtain data from the vehicle.

#### 

Displays the distance covered data from the stored data.

## User Type

X

Displays the user type of the user who obtained data from the vehicle first.

# Event File tree

Optional data from the Service Event File can be designated with an Event File Tree. The selected data is displayed on the right hand side of the screen. By selecting and right clicking on a piece of data, the name may be edited.

When a memo is entered for a flag, the icon is displayed in yellow. When there is no memo, the icon is displayed in white.

When the display for data set in a flag is minimized, an icon will be displayed to the side of the data. When detailed data is included in the level below, "+" and "-" icons will be displayed. When there is no details included, neither the "+" or "-" icon will be displayed.

An icon as shown below is displayed to indicate the sort status.

Blank: Default



:Date/Time (Ascending Order)

:Date/Time (Descending Order)

All of the operations below can be performed by right clicking on an individual piece of data.

- Delete (Info box, flag, file)
- Add info box to file
- Edit Notes



Event File Tree

## File Management

#### **Open File Dialog**

Press the Open Scan Data File button on the Main Menu Screen, OR select Open Scan Data File from the File menu.

This screen is displayed in order to designate the file acquisition path when opening files. Designate the Event File reference address for your PC by selecting "Open service Event File" and pressing the OK button. Designate the Event File reference address for the VIM (Vehicle Interface Module) by selecting "Retrieve data from Drive Recorder" and pressing the OK button. If the Cancel button is pressed, the file open operation is cancelled.

Tech Stream (\$500-07)	
Would you like to do ?	
<ul> <li>Open service event fil</li> </ul>	8
C Retrieve data from Dr	ive Recorder
ОК	Cancel

**Open File Dialog** 

The file to be opened can be designated from this screen. The default directory prepared by the user is displayed as the standard directory. The VIM file catalogue will not be displayed in the pull down menu.

	Event File Dialog (\$500-01)		? 🔀
	Look Generic_English 💽 🔶 🖆 🚺	File Information 8	
[0] [4]	Log 3-9-2006 74657 PM 2004_4RUNNER_1GR-FE_3-26-2006 60547 PM 2004_15430_3U2-FE_2-17-2006 34817 AM 2004_15430_3U2-FE_3-29-2006 25713 AM 2004_15430_3U2-FE_3-29-2006 25713 AM 2004_15430_3U2-FE_3-6-2006 60124 PM 2005_E5330_3M2-FE_THBA36G550147691_3-9-2006 55327 PM 2005_E5330_3M2-FE_THBA36G550147691_3-9-2006 55327 PM 2005_E5330_3M2-FE_THBA36G550147691_3-9-2006 80112 PM 2005_E5330_3M2-FE_THBA36G550147691_3-9-2006 80112 PM 2005_E5330_3M2-FE_THBA36G550147691_3-9-2006 101204 PM 2005_E5330_SM2-FE_THBA36G550147691_3-9-2006 101204 PM 2005_E5330_SM2-FE_SM2 2005_E5330_SM2-FE_SM2 2005_E5330_SM2-FE_SM2 2005_E5330_SM2-FE_SM2 2005_E5330_SM2 200	CARB-OO CARB-OO CARB-OO CARB-OO VIN VIN Memo	

Event File Dialog

×

Directory pull down list

Designate the target directory from the File List. The default directory for the logged-in user is used as the initial value.

Common Control

File selection controls common in all Windows OS'.

File List

Displays files inside the directory that were selected from the Directory Pull Down List. Only a single file from those displayed can be selected for opening. The displayed files are only those with the extension designated in the File Type Pull Down List.

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File Name Input box

Input the name of the file to be opened. When a file is designated from the File List, the file name will be displayed.

File Type pull down list

Select the type of file to be displayed in the File List.

Open button

Opens the file designated in the File Name Input Area.

Cancels file selection and closes the file selection dialog box.

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File Information View Area

Displays vehicle information included in the file selected from the File List. The following appear as display items

For North America: Year, Division, Model, Engine, Option, VIN, and File Notes.

For non-North America: Model, Model Code, Vehicle Spec, Option, VIN, and File Notes.

## Select Merge Data Dialog

The Select Merge Data Dialog performs the Merge Event Files function. It is located in File on the Menu Bar. Data Merge can only be performed if there is a Stored Data Tab.

From this dialog box, designate the service Event File that includes the target merge data.



Event File Dialog

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Directory pull down list

Designate the target directory from the File List. The default directory for the logged in user is used as the initial value.

Common Control

Prepares the file selection dialog shared control, common in all Windows OS'.

# File List

Displays files inside the directory that were selected from the Directory Pull Down List. One file from those displayed can be selected for opening. The displayed files are only those with the extension designated in the File Type Pull Down List.

#### ×

File Name Input box

Input the name of the file to be opened. When a file is designated from the File List, the file name will be displayed.

## $\times$

File Type pull down list Select the type of file to be displayed in the File List.

#### $\times$

Open button
Opens the file designated in the File Name Input Area.

## Cancel button

Cancels file selection and closes the file selection dialog box.

File Information View Area

Displays vehicle information included in the file selected from the File List. The following appear as display items

For North America: Year, Division, Model, Engine, Option, VIN, and File Notes.

For non-North America: Model, Model Code, Vehicle Spec, Option, VIN, and File Notes.

Designate the target merge data on this screen. Data Merge will be performed for data with a checkmark appearing next to it.

Select Merge Data (S502-03)	
Select the record you wish to use for reference data: 1 2005_Model0_Engine Abcdefg HijkImn Opgrstu_JTDKB20UX- File Notes Engine and ECT □ DataList 2 ✓ Data 14/27/2006 4:46:25 PM □ Data 24/27/2006 4:51:24 PM □ Data 34/27/2006 4:54:15 PM □ ① Data 34/27/2006 5:08:37 PM □ Data 54/27/2006 5:08:37 PM □ Data 64/27/2006 5:13:26 PM	Record Info
6 CheckAll	4   5     OK   Cancel

Merge File Dialog

1 Event File Tree

\_ Displays the Service Event File data tree that was designated in the file selection dialog box.

2 Data Check Box

- \_\_\_\_ Designate the target merge file by checking the appropriate box.
- Record Info
  - \_ Displays data record information for the selected file.
- 4 OK button
  - Performs data merge on checked files.
- 5 Cancel button

Cancels data merge operations.

6 Check All

Pressing this button inserts or removes checks from all checkboxes.

This is an example of the screen displayed upon completion of data merge. The merged data added to the Event <u>File Tree is displayed. Merged data can be handled in the same way as other recorded data.</u>

Techstream (Vor	7.28.015) - 11149				
File Function Setup	TIS User Help				
System Select Steel	ed Data				
2013 GS450h 2GR.FXE 905161 mile 2013 GS450h *	File Notes: Division: Model: ModelYear Engine:	LEXUS GS450h 2013 2GR-FXE			
R Health Ch-	Option 1:	Others			
Data 1. Data 2. * Time Stan	Option 2 Option 3				
Data 4	Odometer:	905161 mile	VIN	J/TDR08200083300195	
* Engine an	Stored by	Ver 7.20.015	Oser Type:	US Dealer	
ABS-VSC/     EMPS     VGRS     Air Condit     SRS Airba     Combinati     Navigation     Air suspen     Tire Prese	Nextlip				×
Sot Expand>> TIS Search Print Back	TS Keyward			ind TIS information fast using new keyword search capability, <u>Click hare</u> to learn more.	
1400-01	10 B			Detaut User	BLC 3

Diagnosis Screen (Stored Data Tab)

## Export Data Select Dialog

Run export processing from File – Export Data on the Menu bar. Export processing is available only when Stored Data Tab exists.

The Export Data Select Dialog box is used to designate export data and the export data file name. The Model Year, Model, Engine and VIN are combined and displayed as the default file name.

ook Ceneric_English		File Information Year, Division, Model, Engine
		2005 TOYOTA Model0 Engine
		Option
		Memo
and the second second	5	
ad File   B20UX400104	45_5-9-2006 34638 PM SA	/E
le Type Event Files (*	CSV) 🔹 6	
	CAN	CEL

Event File Dialog

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**Directory Name** 

Select the directory in which to save the export file. The default directory for each user is displayed

#### File List Box

Display the file inside the folder designated as the Directory Name. When a file is selected, the file name is displayed in the File Name Input Area.

## File Name Input Area

Input a file name for export data. The Model Year, Model, Engine and VIN are combined and displayed as the default file name.

## ×

File Type Pull Down List

Displays file formats available for the export file. The format for the file to be saved is CSV.

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Save button Performs data export.

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Cancel button Cancels data export operations.

## Save Event File dialog (for selecting where to store changed event file)

When there are changes in the open event file and you have selected to save the file with these changes, this screen lets you select whether to save the file with its old name (and overwrite the file from before the changes) or save as a different file name.



Save Event File dialog (for selecting where to store changed event file)



Save button Overwrites the event file currently open.



Save As button Displays a dialog for saving with a different name.

Cancel button Closes Save Event File dialog.

# Playback Data List / Active Test

Techstream (Ver 8	10.009) - 11140					
File Function Setup Ti	IS User Help					
System Select Stored	Data					
2013 GS450h	2 Parameter	Value	Unit	Parameter	Value	Unit
ZGREAE	Vahicla Snaad	158	MDH	Throttia Motor Current	0.0	A
005161 mile	Ensine Speed	16383	1000	Throttle Motor DLITY	100.0	
nort VIN	Calculate Load	100.0	95	Throttle Motor Duty (Onen)	0	
and the second	Vehicle Load	25700.0	%	Throttle Motor Duty (Close)	0	%
2013_GS450h_2	MAF	655.35	am/sec	Throttle Fully Close Learn	0.000	V
File Notes	Collector to the work to the		psi/gauge	Injector (Port)	0	US.
Engine and E	Atmosphere Pressure	- 22	1	Injection Volum (Cylinder1)	0.000	ml
E Data List	Coolant Temp	419	F	Fuel Pump/Speed Status	OFF	
💌 📄 Data 1	Intake Air	419	F	Vacuum Pump	OFF	
	Ambient Temperature	419	F	TCV Status	OFF	
	Engine Run Time	65535	5	EVAP (Purge) VSV	0.0	%
	Initial Engine Coolant Temp	-40.0	E	Evap Purge Flow	0.0	5
	Initial Intake Air Temp	-40.0	F	Purge Density Learn Value	-200.000	
	Battery Voltage	65 535	V			mmHg(a
	Accelerator Position	0.0	%	Vapor Pressure Pump	0.000	1)
	Accel Sens. No 1 Volt %	100.0	%		202330	mmHala
	Accel Sens. No 2 Volt %	100.0	%	Vapor Pressure (Calculated)	-5407.441	1)
	Throttle Sensor Volt %	100.0	%	EVAP System Vent Valve	OFF	1
	Throtti Sensor #2 Volt %	100.0	%	EVAP Purge VSV	OFF	-
	Throttle Idle Position	OFF		Puree Cut VSV Duty	0.0	14
	Throttle Require Position	0.000	V	Target Air-Fuel Ratio	0.000	
	Theretia Sansor Position	100.0		AF Lambda B1C1	0.000	-
	Theothe Decision No.1	0.000	v	AFC Voltana R1C1	0.000	V
	Theetile Position No.7	0.000		AFS Current R1S1	.129.00	må
	Theretic Destion Command	0,000	N.	AS Haster Date #	-120.00	1100
Cod	Theothe Position Commany	0.000	N N	coo pico	0.000	
000	Throttle Sens Open Pos #1	0.000	y y	023 0132	0.000	- Ann
Expand>>	Inrothe Sens Open Pos #2	0.000	V	U25 impedance B152	0.00	onm
	15	2				
TIS Search	177 - Involuent sectorements					1111
					1	1111
Print	1 4 5 6 7 6					
		E Pnmary	1	Lwx I		
Back		Sort A to Z	8	Terreterre		1
	No. 18		and a		Martin Martin	
00.04	Timer (gen : 00.00.000 - 00.07.307 - 00.14	01470-0-12			Destruit Ober	950.3

Diagnosis Screen (Playback Data)



Diagnosis Screen (Playback Data)

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Playback speed

Displays the playback speed for recorded data. The playback speed can be changed using this button.

## Playback time bar

Displays the current frame position. During playback, the time bar moves to match the data. The time bar can be moved to change the displayed frame.

# Playback information

Displays playback information for recorded data.



#### Pause button

Pauses the playback of recorded data.

Play button

Plays recorded data.

#### ×

Advance/Previous button Moves the frame position from the current position forward (or backward) to the next (or previous) flag position.

7 Advance/Previous Frame button

Moves the frame position from the current position, forward (or backward) to the next (or previous) frame.
Sort A to Z Check Box

Sort the currently displayed Custom List items in alphabetical order.

New List button Displays only those parameters selected from the Parameter List.

Remove button

Deletes parameters selected from the Parameter List.

Data Manager Button Displays the Data List Manager. Graph button Switches the Data List display to a graph format.

Highlights the display when a flag exists for the frame position. If a flag does not exist for the frame position, clicking the Flag Button will add a flag for the current frame position.

When the flag frame is reached during Stored Data playback, a flag note will be displayed in a pop-up dialog box on the Parameter Data List, and the Flag button will be highlighted. If there is no memo for the flag, the background color for the flag note will be white. If a memo is included, the background color of the flag note will be yellow.

ote \$420-04	
	>
	~
3	
Time/Frame : 00.17.025 / 169	
	ote \$420-04 3 Time/Frame : 00.17.025 / 169

Flag Note Dialog

1 Flag Notes

Input a memo for a flag.

When playing snapshot flag data recorded automatically during an active test, displays the Active Test name and the value (editable).

2 Note Visibility button

Hide or display the flag note. If the note is set to display, each time the flag position is reached during playback, the note will appear on the screen. If the note is set to be hidden, the note will not appear on the screen each time the flag position is reached during playback. To remove the "hide" setting, click the Flag button at the appropriate flag position.

**3** Flag position time (frame)

Displays the set flag position in relation to the corresponding memo (as time and frame number).

#### Graph Function

Using the Graph Function, Data List/Active Test playback data can be viewed as a Graph. The Flag and trigger positions are displayed as an icon on the graph.

Techstream (Ver	8.10.009	0 - 1114	8			
File Function Setup	TIS Use	r Help				
Parameter	Value	Unit	~	Menu: Vehicle Sp	seed(MPH) Full Streen	Graph Type 🛛 🗙
Vehicle Speed	158	MPH		2000	and an	and the second s
Engine Speed	16383	rpm		200.0		. 1111
Calculate Load	100.0	%		P.P.P.		
Vehicle Load	25700.0	%				
MAF	655.35	gm/sec				
Atmosphere Pressure	22	psi(gaug e)				
Coolant Temp	419	F				
Intake Air	419	F				
Ambient Temperature	419	F				
Engine Run Time	66535	8				
Initial Engine Coolant Temp	-40.0	F				
Initial Intake Air Temp	-40.0	F		158.4		
Battery Voltage	65.535	V		2000.002		
Accelerator Position	0.0	16				
Accel Sens. No.1 Volt %	100.0	%				
Accel S Flat 8 Not Vot % Throttle % Throttle Postion Throttle Postion	e 5420-0 me/Frame	00.08.3	24 /	7		
Throttle Position	0.000	V		Iseci 0 14	4 614 29 228 43 842 58 456 73.07 87 684 102 298 116.912 1	31.526 146.14
Tils Skannh Hide Back Overla S420-02				■ 10.400 - 02.20.1	Primary  F Sort A to Z  A0/0-6-121  Default User	DLC 3

Diagnosis Screen (Data List)

If the graph button is clicked when monitor data from the saved data is displayed and there are graph settings, the below information will be displayed.

The graphing	function on Techs	tream will retain	the previously us	ed settings.	
Press "Curre Press "Previ Press "Canc	ent Selection" to pro ous Settings" to dis el" to back to the c	oceed the graph sregard currently latalist screen.	screen with the o selected parame	urrently selected eters and return to	parameters. the graph screen.
	1 Current Sele	ction Previo	us Settings	3 Cancel	1

Graphing Confirmation Dialog

1 Current Selection

Proceed to the graph screen with the currently selected parameters.

2 Previous Settings

Disregard currently selected parameters and return to the graph screen.

3 Cancel

Go back to the data list screen.

## File Compare

Executing File Compare in the Menu bar (File – File Compare). Data comparison can only be executed if there is a record data tab.

In this dialog box, an event file that includes data to be compared can be specified.

	Event File Dialog (S500-01)	2 🛛
	Look Generic_English 💽 🔶 🖆 🖽 🗸 File Infor	mation 8
3	Cape-2006 74657 PM	rision, Model, Engine
	2004_4RUNNER_IGR-FE_3-26-2006 60547 PM	
	2004_L5430_3U2-FE_3-29-2006 25713 AM           2004_L5430_3U2-FE_3THEN36F240147691_3-26-2006 70139 PM           2004_L5430_3U2-FE_3-6-2006 60124 PM	
	2005_E5330_3M2-FE_JTHBA36G550147691_3-9-2006 55327 PM         Memo           2005_E5330_3M2-FE_JTHBA36G550147691_3-9-2006 75414 PM         2005_E5330_3M2-FE_JTHBA36G550147691_3-9-2006 80112 PM	
	2005_E5330_3MZ-FE_JTHBA36G550147691_3-9-2006 92637 PM 2005_E5330_3MZ-FE_JTHBA36G550147691_3-9-2006 101204 PM	
4	Load File TSE LOAD	
5	File Type Event Files (*.TSE)	
		M

**Event File Dialog** 

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Directory pull down list

Used to designate the target directory from the File List. The default directory for the logged-in user is used as the initial value.

## ×

Common Control Prepares the file selection dialog shared control, common in all Windows OS's.

## File List

Displays files inside the directory that were selected from the Directory Pull Down List. One of the displayed files can be selected for opening. Only files with the extension designated in the File Type Pull Down List are displayed.

#### ×

File Name Input box

Used to input the name of the file to be opened. When a file is designated from the File List, the file name is displayed.

## ×

File Type pull down list

Used to select the type of file to be displayed in the File List.

# Open button

Opens the file designated in the File Name Input Area.

## Cancel button

Cancels file selection and closes the file selection dialog box.

## File Information View Area

Displays vehicle information included in the file selected from the File List. The following appear as display items

For North America: Year, Division, Model, Engine, Option, VIN, and File Notes.

For non-North America: Model, Model Code, Vehicle Spec, Option, VIN, and File Notes.

In this screen, the target data to be compared can be designated. Data with a check mark in the check box is used for comparison.

Compare File Dialog

#### 1 Event File Tree

Displays the service Event File data tree that was designated in the file selection dialog box. 2 Data Check Box

- Used to designate the target file to be compared by checking the appropriate box.
- 3 Record Info

\_\_\_ Displays data record information for the selected file.

4 OK button

Merges data for the checked files.

5 Cancel button

Cancels data merge operations.

#### In this screen, the target data to be compared is displayed.



Diagnosis Screen (File Compare)

Parameter List Display the current data in "Current" column and the reference data in "Reference" column. If one data is longer than the other, pad shorter data with blank data and make its duration the same as the longer one. When blank part is being played, display - as Parameter List values and hide the Frame reading of "Time/Frame". 2 Remove Removes the graph of the parameter selected in the Parameter List. If no graph parameter is selected, this button is grayed out. 3 Current Graph Displays the current data graph in overlapped style. "Current – selected parameter's name" is displayed in the title bar. If no graph parameter is selected, no parameter name is displayed. Displays scales for the selected parameter next to the vertical axis. If no graph parameter is selected. displays scales for the last selected graphed parameter. Displays graph line for the selected parameter thicker. If no graph parameter is selected, no lines are displayed thicker. If the graph is Zoomed In/Out, so is the other graph. The graph line can be moved around by right clicking (hold) on the graphing area and dragging. Up to 8 parameters can be graphed. 4 Menu Displays the Menu for a Line Graph. Enter Graph Setup Displays the Modify Graph Setup dialog box. - MEASURE TIME, MEASURE AMPLITUDE, MIN/MAX INDICATOR, MIN/MAX BEEP Affects the selected parameter in the graph. 5 Reference Graph Displays the reference data graph in overlapped style. Displays "Reference -selected parameter's name" in the title bar. Other functionalities are the same as for Current Graph. × Plavback Controller for Current This is a Playback Controller for the current data. If the Time scroll bar is reduced or expanded by the user, the width of the Playback Controller for Reference changes the same way. Playback Controller for Reference This is a Playback Controller for the reference data. If the Time scroll bar is reduced or expanded by the user, the width of the Playback Controller for Current changes the same way. × Time/Frame Shows the Time/Frame for Current on the left and Time/Frame for Reference on the right. × Graph Mode Switch Changes the graphing mode between Graph per Data and Graph per Parameter. Graph per Data : Overlaps and displays selected signals, separated by each data. Graph per parameter : Overlaps and displays selected signals for each data, separated by signal.

## Snapshot Edit

Executing Snapshot Edit in the Menu bar (Function – Snapshot). Snapshot editing can only be executed if the recorded snapshot data is displayed. The selected portion of the snapshot data can be cut out and saved with a name.



## Add Data

Using Add Data, data can be added to an existing service Event File by following the two steps below. - When recording the service Event File, connect to the car with the service Event File opened.

- While still connected to the vehicle, open the equivalent service Event File recorded for that vehicle. This screen displays when selecting files for addition.

Look	Generic_English		File Information
Log		2006	S_RJ Year, Division, Model, Engine
3-9-2006 2004_4RI 2004_L54	74857 PM UNNER_1GR-FE_3-26-2006 6 I30_3UZ-FE_2-17-2006 3481	0547 PM CARE 7 AM	B-OI Option
2004_L54 2004_L54 2004_SIE	130_3UZ-FE_3-29-2006 2571 130_3UZ-FE_JTHEN36F24014 1NNA_3MZ-FE_3-6-2006 6012	3 AM 17691_3-26-2006 70139 PM 24 PM	VIN
<ul> <li>2005_ES3</li> <li>2005_ES3</li> <li>2005_ES3</li> <li>2005_ES3</li> <li>2005_ES3</li> </ul>	330_3M2-FE_JTHBA3665501 330_3M2-FE_JTHBA3665501 330_3M2-FE_JTHBA3665501 330_3M2-FE_JTHBA3665501 330_3M2-FE_JTHBA3665501	47691_3-9-2006 55327 PM 47691_3-9-2006 75414 PM 47691_3-9-2006 80112 PM 47691_3-9-2006 92637 PM 47691_3-9-2006 101204 PM	Memo
<			×
al charges of	* TSE	LOAD	
Load Fille	Event Files (* TSE)	•	
Load File File Type	farmer to the firm of the second		
load File File Type	1	CANCEL	

Event File Dialog

If when connecting to a vehicle while a data file is opened, the information from the connected vehicle does not match the data file, the following screen is displayed.

If the View live Data button is pressed, the currently opened file is closed and a connection is made to the vehicle. If the Cancel button is pressed, the connection to the vehicle is terminated and the opened file continues to be available for reference.



**Caution Dialog** 

If when opening a data file while connected to a vehicle, the contents of the data file being opened do not match the information of the connected vehicle, the following screen displays. If the File Select button is pressed, the screen returns to the file select dialog box. If the Open File button is pressed, the connection to the vehicle is terminated and the designated data file is opened.

When this button is pressed, all tabs displaying vehicle information are closed. If the Cancel button is pressed, the data file is not opened and the vehicle remains connected.



**Caution Dialog** 

## Generic OBD II

Generic OBD II performs vehicle troubleshooting (malfunction diagnosis). Press the Generic OBD II button on the Main Menu Screen, OR select Function – Connect OBD2 from the Menu bar.

## Select ECU

When Generic OBD II is initially started and more than two ECU's respond, the following dialog box allows the user to select the ECU to be diagnosed. Select an ECU for communication and press the OK button.

elect E	icu (s	321-03)	
The Sel	follov ect th	ring ECUs responded. e ECU to be displayed., and pre	ss OK button.
	\$01	Engine and ECT	~
	\$02	Non Trouble Codes	
			E
	-		
			~
		OK	

Select ECU Dialog

## Diagnosis Screen

An OBD II tab is created so that all functions can be performed by pressing the Menu button.

File Function Setup TI	15 User Help					
0BD E Stored Date						
		View Manitors				
	Diagnostic C	ode;				MIL: ON
	Code	Description	Cuttent	Pending	History	Permanent A
Construction (	P001	Diag	х	х		X
Trouble Codes	P002	Diag	х	х		X
	P003	Diag + Freeze + Detail	X			
Oata List	C8084	Diag + Freeze + Multi	X			
	🔅 XVANW	Diag + Freeze + Multi + Detail	X			
	P006	Diag		х	х	X
	P007	Diag			х	
	P008	Diag			х	
Monitor	P010	Diag				X
	P020	Diag		х		
Diffy	P110	Diag		х		
						M
Print						
	100				133	
Main Menu	H.M.				800	
					-	
221-04 Engine and ECT	7212 m			Gene	erio English	

Diagnosis Screen (OBD II : Trouble Codes)

Trouble Codes	Switches the screen to Manages Trouble Codes display.
Data List	Switches the screen to the Data List display.
Monitor	Switches the screen to the Monitor display.
Utility	Switches the screen to the Utility display.
Print	Switches the screen to the Print display.
Main Menu	Returns the screen to the Main Menu.

## Note

SAE J2012 defines the standardized Diagnostic Trouble Codes (DTC). Example P0123 P - Power Train B - Body C - Chassis U - Network

#### Monitor

Press the Monitor button on the Menu Button Area OR the View Monitors button at the top. This screen displays the monitor status.

Markon         Status         Meniter         Status         Complete           Trockle Codes         Results - 000000002         NA         NA           Results - 000000003         NA         NA         NA           Results - 000000003         NA         NA         NA           Results - 00000003         NA         NA         NA           Results - 00000005         NA         NA         NA           Maritar         NA         NA         NA	TIS techstream		
ODD II         Stered Date           Trouble Codes         Menitor         Status         Complete Incomplete Incomplete Results - 000000003         NAA           Past Ust         Results - 000000004         NNA         NAA           Results - 000000005         NAA         NAA           Past Ust         NAA         NAA           Monitor         NAA         NAA           Results - 000000003         NAA           Results - 000000004         NAA           Results - 00000004         NAA           Results - 00000004         NAA           Results - 00000005         NAA           Results - 00000004         NAA           Results - 0000004         NAA           Results - 000004         NAA           Results - 000004         NAA           Results	Pile Punction Setup TIS	User Help	
Monitor     Status       Trouble Codes     Results - 0000000002       Results - 0000000003     NA,       Results - 0000000005     NA,       Monitor     NA,       Results - 000000005     NA,       Monitor     NA,       Nontor     NA,       Wontor     NA,       Wontor     NA,       Watte Codes     NA,       Minitor     NA,       Nontor     NA,       Watte Codes     NA,       Minitor     Image: Complete Incomplete Incomplete NA,       Nontor     NA,       Nontor     NA,       Nontor     Image: Complete NA,       Main Merze     Image: Complete NA,       St-Mp Engine and ECT     Oxnest Engine	OBD II Stored Data		
Meniter       Status         Results - 000000001       Complete         Results - 000000003       NA         Results - 000000005       NA         Results - 00000000000000000000000000000000000			
Monitor     Status       Trouble Codes     Results - 000000002       Results - 000000003     N/A       Results - 00000003     N/A       Results - 00000003     N/A       Results - 00000003     N/A       Results - 000000			
Prin:   Main Merzy     221-36     Data List     Main Merzy     Con Board		Monitor	Status
Trouche Codes Incompareire   Results - 000000003 N/A   Results - 000000003 N/A   Results - 000000005 N/A   Monitor N/A   Uhiry N/A		Results - COUCCOUNT	Complete
Trockle Codes Nva.   Data Lisi 000000003   Maritor Nva.   Utity Utity		Results - 000000002	Incomptete
Note Cools Note   Data Usi NA   Provide NA	Trendla Codes	Results - 0000000004	N/A
Data List     Monitor     Monitor     Print   Main Meru     S21-16     Engine and ECT     Veteric Engine	House Codes	Presente - 0000000004	104
Pets List     Monitor     Monitor     Walkior     With     Print     Monitor     Print     Monitor     Difference     S21-15     Explice     Venetic English     Venetic English		Results - Doublooduus	N/A.
Mailar Uklay  Pins Main Merz  S21-15 Engine and ECT  Series Engin	Data List		
Maritar Ukliry Print Marita Print Marita Ukliry Print Marita Print S21-15 [Engine and ECT Previo Engith			
Mautor Utiky  Print Main Mercu S21-16 [dagias and ECT			
Mainter       Ubity       Print       Mainter       S21-16       Engise and ECT			
Wonter     Image: State of the second s			
Ubligy     Image: State of the	Monitor		
Utity     Image: Constraint English			
Print Moin Meru S21-16 Engise and ECT Print	Utility		
Print Moin Meros			
Print Min Mero 321-16 Engise and ECT Overseit Engish			
Print Main Meru S21-16 Engise and ECT Permit Engish			
Print Moin Meru 321-16 Engise and ECT Overairt Engish			
Print Min Meru 321-16 Engise and ECT Overseit Engish			
Print Main Meru S21-16 Engise and ECT Print			
Print Moin Meru 321-16 Engise and ECT On Board Test			
Print Moin Menu 321-16 Engine and ECT Overant Engine			
Print Min Merco 321-16 Engine and ECT Overvaire Engine			
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Print On Board Test St1-16 Engine and ECT One Source Engine			
Moin Menu On Board Test State And Company State	Print	2	
Moin Menu Test Test State and ECT Øeneric English			On Board
321-18 Engine and ECT Øenesite English	Main Menu		Test
321-16 Englise and ECT Overeste English			
	5321-16 Engine and ECT		Øerede English 🔶

Diagnosis Screen (OBD II : Monitor)

Press the On Board Test button.

This dialog box displays Monitor Details and gives a description of each.

Test	Result	Details	^	
Results - 0000000001	Pass	P		
Results - 0000000002	Pass	P		
Results - 000000003	Pass	R		
Results - 0000000004	Pass	P		
Results - 0000000005	Pass	P		
			~	

**Monitor Details Dialog** 

Click the Magnifier button. Displays the results of an item selected from the Monitor Details screen in graphic form.

la l	
	A A A A A A A A A A A A A A A A A A A

**Test Details Dialog** 

Utility The following four functions can be selected from the Utility screen.

1 TIS Techstream				
Nie Punction Setup System TIS User Help				
OBD II				
Trouble Codes Dsta List Morrior Unity				
Print Main Menu	3 O2 sensor	1 Vehicle Information	2 Evap Leak Test	4 On Board Test
8321-06		04	nerie English	• /

Diagnosis Screen (OBD II : Utility)

# Vehicle Information

Calibratic	in Mentication Mumb	107	
Address		CVN	1~
\$01	CVN1	1234	
\$01	CVN2	2345	
			R
			1.00
Calibratio	in ID		
Calibratio	n ID	Calibration ID	
Calibratio Address \$01	n ID CalibrationID 1	Calibration ID 01234567890123456789	1
Calibratio Address \$01 \$01	n ID CalibrationID 1 CalibrationID 2	Calibration ID 01234567890123456789 MMMMMMMMMMMMMMMMMMMMMM	^
Calibratic Address \$01 \$01	CalibrationID 1 CalibrationID 2	Calibration ID 01234567890123456789 MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	

Vehicle Information Dialog

2 Evap Leak test

Performs the Evaporative System Leak Test.

When the Next button is pressed, the Evaporative System Leak Test is performed. When the Cancel button is pressed, the Evaporative System Leak Test is stopped.



Evap Leak Test 1/2 Dialog

When the End button is pressed, the Evaporative System Leak Test is exited.

Evap Leak Test (\$321-09)
Step 2/2
Evaporative System Leak Test is Running. Turn the ignition switch OFF to terminate the test.
Press Finish to exit this function.
Finish

Evap Leak Test 2/2 Dialog

3 O2 sensor

Selects the sensor to perform the O2 sensor test.

Bank1 - Sensor1	~
Bank1 - Sensor2	
Bank1 - Sensor3	
Bank1 - Sensor4	
Bank2 - Sensor1	
Bank2 - Sensor2	
Bank2 - Sensor3	
Bank2 - Sensor4	

**O2 Sensor Select Dialog** 

Displays the results of the O2 sensor test.

Parameter	Value	Unit	Parameter	Value	Unit
Primary Parameter1	10	RPM	Primary Parameter6	60	RPM
Primary Parameter2	20	RPM	Primary Parameter7	70	RPM
Primary Parameter3	30	RPM	Primary Parameter8	80	RPM
Primary Parameter4	40	RPM	Primary Parameter9	90	RPM
Primary Parameter5	50	RPM	Primary Parameter10	100	RPM
\$04	$\square$	Rict	`/	<b>508</b>	
Oxygen Sensor output \$03	$\square$	Rici	\$02 17 Lean	\$08 	

O2 Sensor Test Result Dialog

Non Continuous Test Results Displays the results of the non-continuous system test.

Test	Result	Details	^	~
Results - 0000000001	Pass	P		
Results - 0000000002	Pass	P		
Results - 0000000003	Pass	P		
Results - 0000000004	Pass	ß		
Results - 0000000005	Pass	P		
			×	M

Non Continuous Test Results (Test Results)

## Error Report

Error Report records a screen shot as well as an operations log in order to simplify the analysis of errors that occur during Techstream use.

## **Recording Function**

When the user selects "Error Report Hot Key" from "Setup" on the Menu Bar, an error report dialog box is displayed.

Error Report Details (S8	(20-01)	<b>X</b>
Error Report Recording	Button	
C Show	Hide	
Recording Key		
All Logs with Capture	F12	
Capture Only	Sys Req	
2 Help	3 OK	4 Cancel

Error Report Details Dialog

1 Setup Recording Key

Set the Recording Key. The recording key is set by placing the cursor on the Recording Key editing box and pressing the key.

2 Help Button

Displays help content.

3 OK Button

Reflects the settings and closes the dialog box.

#### 4 Cancel Button

Cancels the settings and closes the dialog box.

When an error report is recorded, the dialog box below opens where a note can be added and sent to TIS. A note can also be added from the Stored Data Tab.

Error Report Details (S820-06)
An Errorlog has been created and saved in this location. C:\Documents and Settings\All Users\Documents\Techstream\ErrorReport\Default_User\2007_Camry HV_2AZ-FXE_JT8BF32K1Y2000D11_2008-12-19 175405.TER
If you would like to submit an error report, press enter a description of the problem below and press Send. User Name:
Send Don't send

Error Report Details Dialog

#### View and Report Function

From this screen, an Error Report can be selected and viewed from the Stored Data Tab Event File Tree.

Techstream (Ver 6:	20.007) - 10812	
File Function Setup TI	5 User Help	
System Select Stered	Data Engine and ECT Live	
2010 RX450h 2GR-FXE 8 AA 2010 RX450h_24 File Notes 8 Engine and E 8 Error Report 2011.09/12	2011/09/13 18:04:20 1	
Sert		
TIS Search Print Black		Petrofi Univ PLC3

Diagnosis Screen (Stored Data Tab)

1 List View Area

Displays a list of recorded error reports. Right click and select "Remove" to delete an error report.

1

 ${f M}$  Send to TIS Button \_Forwards error reports selected from the List View Area to TIS.

List View Button / Detail view Button Switches between List View and Detail View.

The Detail View screen is displayed after an Error Report Detail dialog box is closed or, if Report is selected from List View and then the Detail View button is pressed.

0 KA450h		Caption: Date/Time/2011/09/13/18:04:20
R-FXE 1		
44	() Include name (New York (1997) - 199	··· 5000
	Sycan DAc. tomestate   De	N H BY LW
2010_RX450b_2 File Notes	Division Par Note	5 [75:8
Engine and E	VCHE	THE
Error Report 2011/09/12	2015 PLANO, 21 No. K.m. 2 Degisse and D 2004 L	jaar na jaar na jaar na
	208.12	
	181	8 An
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Sert	ENF.	The local sector in the local sector is the local sector in the lo
Emantes	No.	MALE ALL ALL ALL ALL ALL ALL ALL ALL ALL
Colonia -	and the second se	

Diagnosis Screen (Stored Data Tab)

1 List View Area Displays a list of recorded error reports. Right click and select "Remove" to delete an error report.



Report's Note Display Area Displays notes related to an error report.

Send to TIS Button \_\_\_\_Forwards error reports selected from the List View Area to TIS.

List View Button / Detail view Button Switches between List View and Detail View.