

Release Notes

Version 2.9.0.21

Overview:

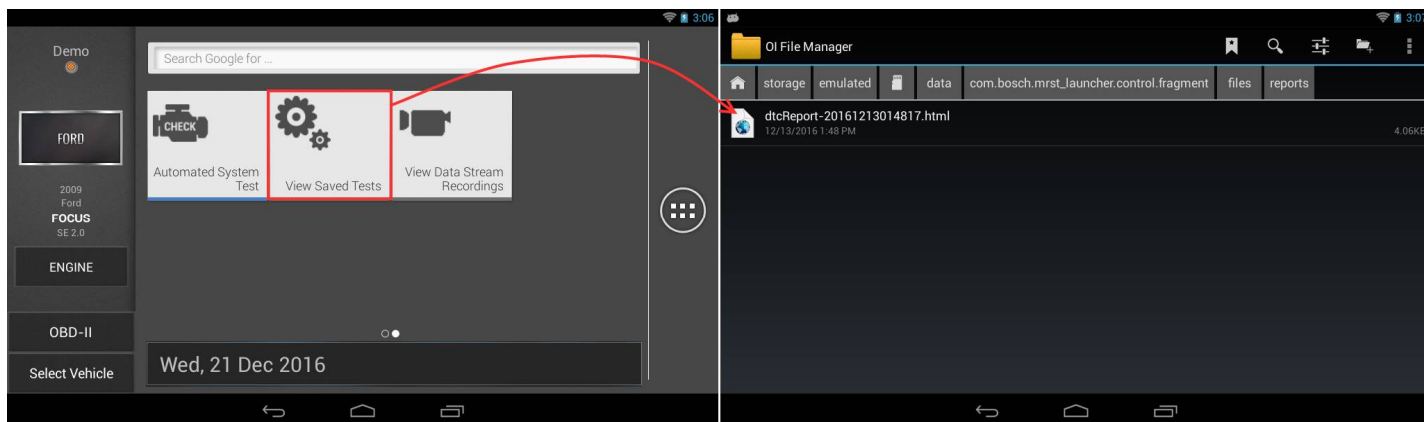
The new version 2.9.0.21 contains major software improvements. Also provided are selected highlights of new features, fixed issues reported by technicians, and other improvements. You may notice many more in the software that are just too numerous to identify individually. Many thanks for the useful feedback we are receiving. More coverage and enhancements on the way!

Some of the new key enhancements found in these release notes:

- **Auto-Navigate for View Saved Tests**
- **Improved Multi Language feature**
- **Manual VIN Entry**
- **Ford MAF Sensor Confirmation Test**
- **Ford Power Balance 2006-2015 functions on cold start up**
- **GM Radio Set Up**
- **Toyota Steering Angle**
- **Improved VW/Audi Data Stream**

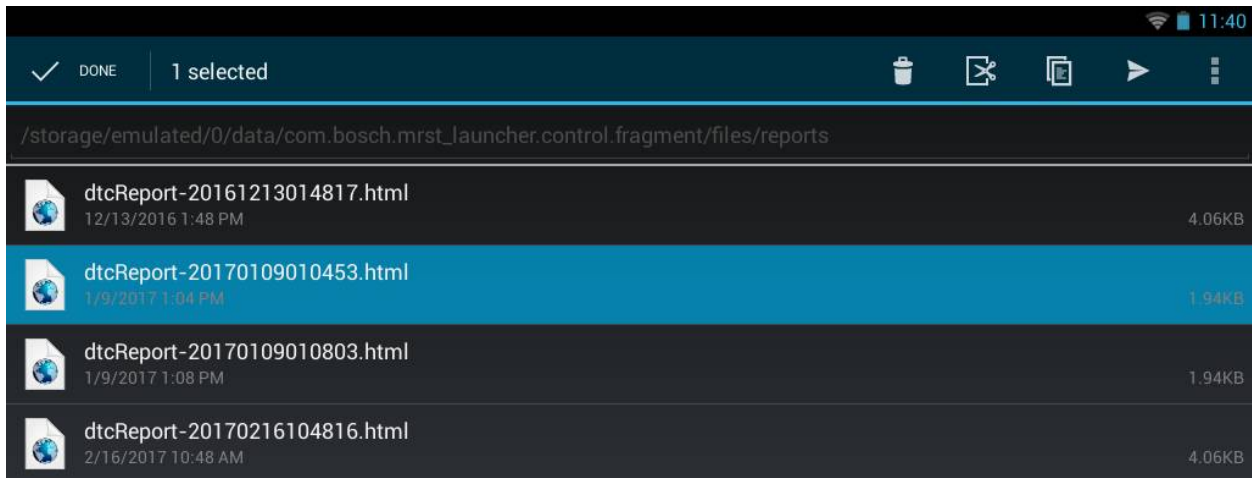
New Features

- The “View Saved Tests” feature will now auto-navigate to the location where AST/ASDTC/DTC Shared reports are saved to by default:

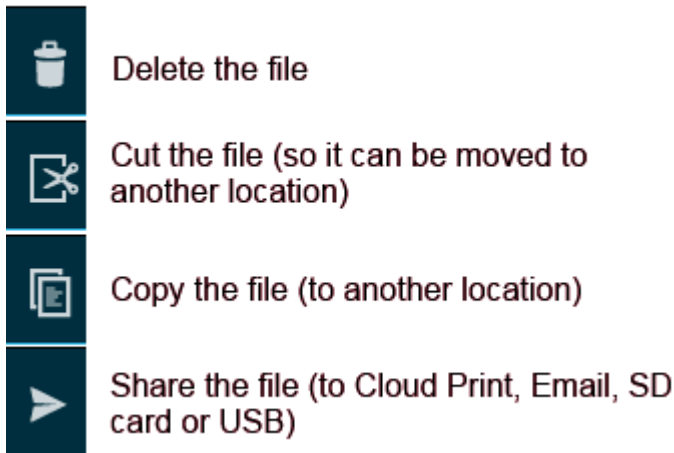


Tips and Tricks: Sharing and editing previously saved reports

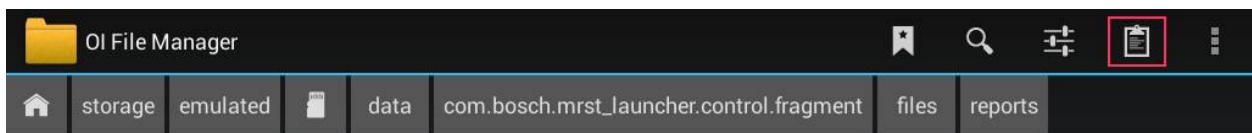
- After launching “View Saved Tests”, from OI File Manager, you can long press on any file to bring up the Edit and Share menu:



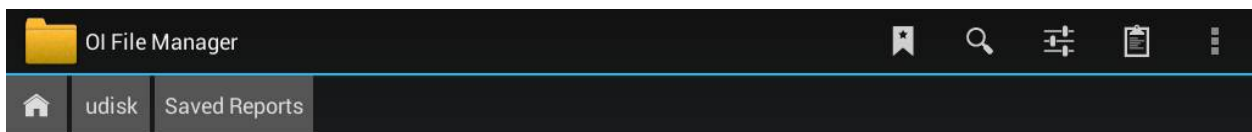
- From here, you can do one of the following options:



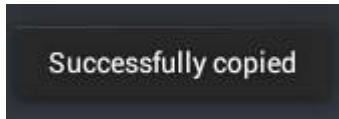
- To “Copy” or “Cut” the selected file, tap on the “Copy” or “Cut” option and then notice that the “Paste” option will become available:



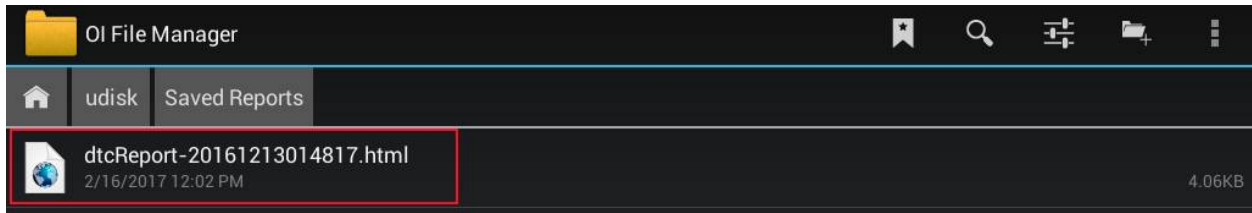
- Navigate to the location you want to paste the file to, for example a “Saved Reports” folder on your USB stick:



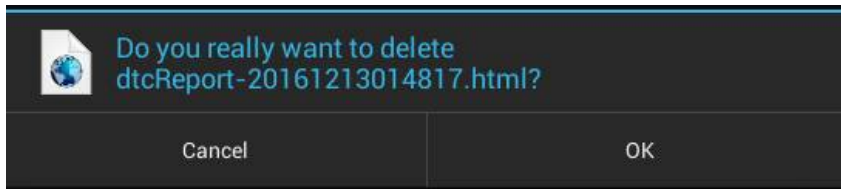
- Then tap on the “Paste” option. When successfully copied, the toast will appear at the bottom:



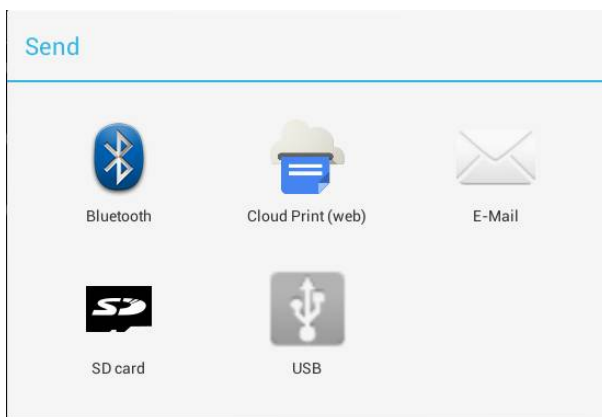
And your file will now be copied or moved:



- To “Delete” the selected file, tap on the “Delete” option and confirm your deletion:



- To “Share” the file, tap on the “Share” option. From there, you can print, email or send the file to your SD card or USB stick (if available):



- The Edit and Share menu does support the selection of multiple files, which will allow you to bulk move, copy or delete more than one file:



ASDTC / AST

Data Stream

Language Improvements

- The system will now be able to retrieve Freeze Frames in Spanish and French.



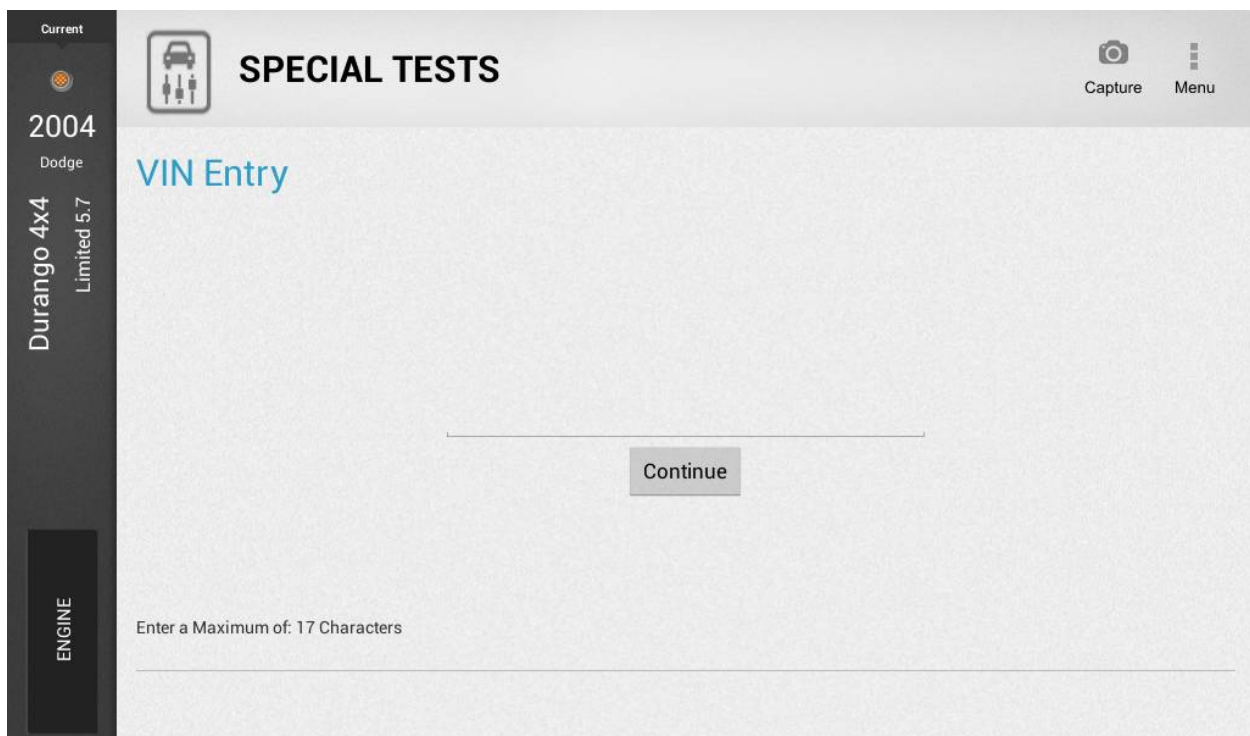
Diagnostic Trouble Codes

Vehicle Selection

Other System Improvements

- **VIN Entry screen has been updated to only allow input of valid characters and also disables auto text suggestions to allow for easier inputs.**

Although full keyboard is displayed, only valid VIN characters will be accepted as input.

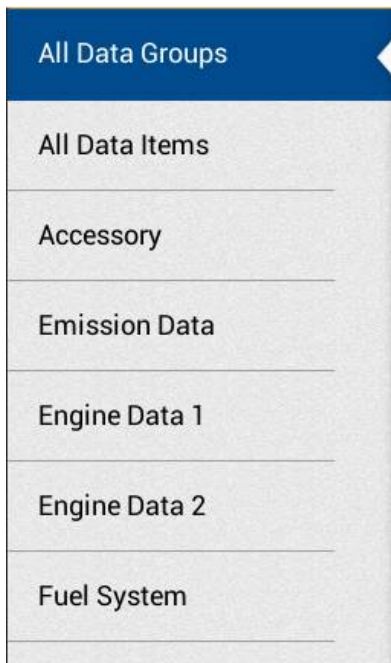


- **The OBD-II Cable screens will no longer display a part number for the "Generic" OBD-II cable. Instead, the user will see the term "OBD-II Cable" as shown below:**

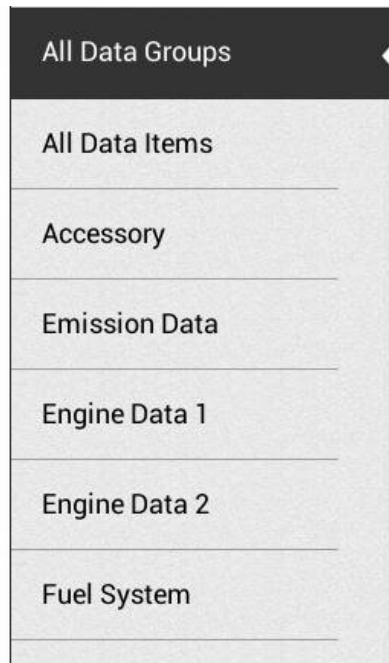


- Consolidation of Color Themes in certain areas of the tool can be seen.
 - The selected background for all left-navigation lists will be changed from blue to black:

Before



After

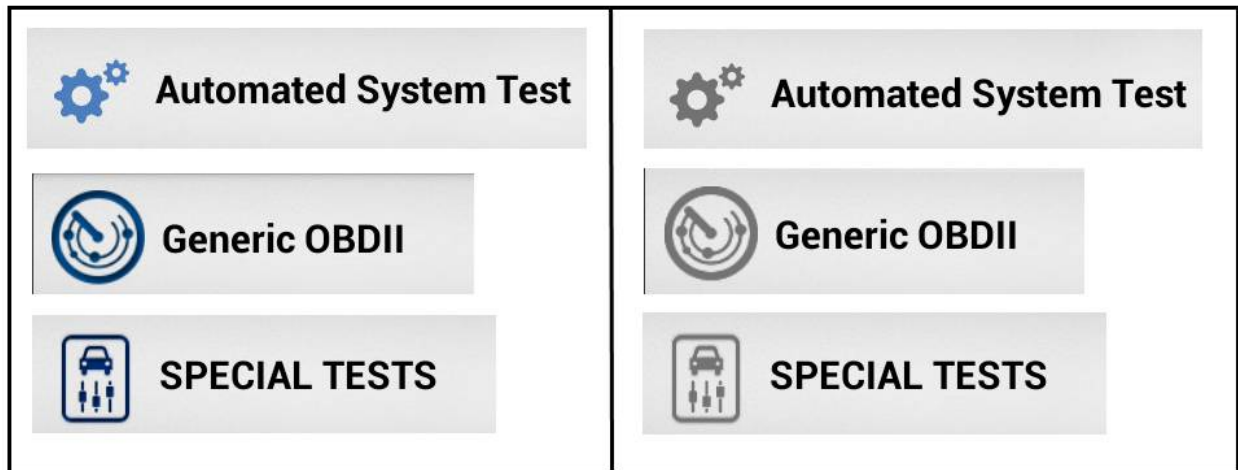


- The following icons on the header bars will be updated to grey to be more consistent with other icons in tool.
 - Automated System Test

- Generic OBDII / Global OBDII
- Special Tests

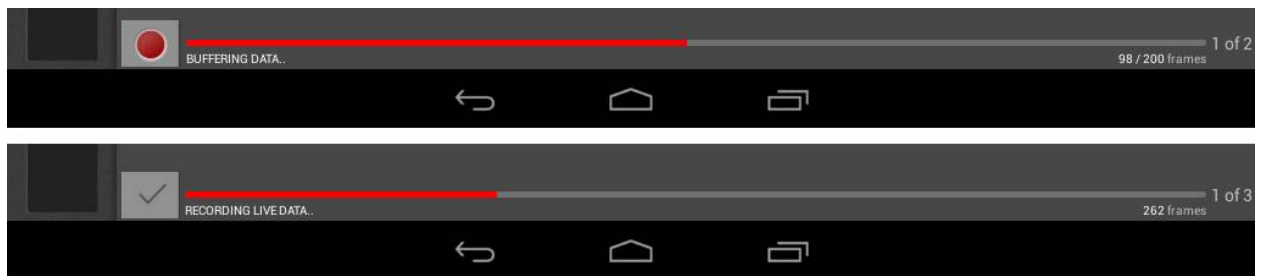
Before

After



- The Data Stream icons for recording live data stream had their background color removed:
 - Data Stream Record
 - Data Stream Finish Record

Before



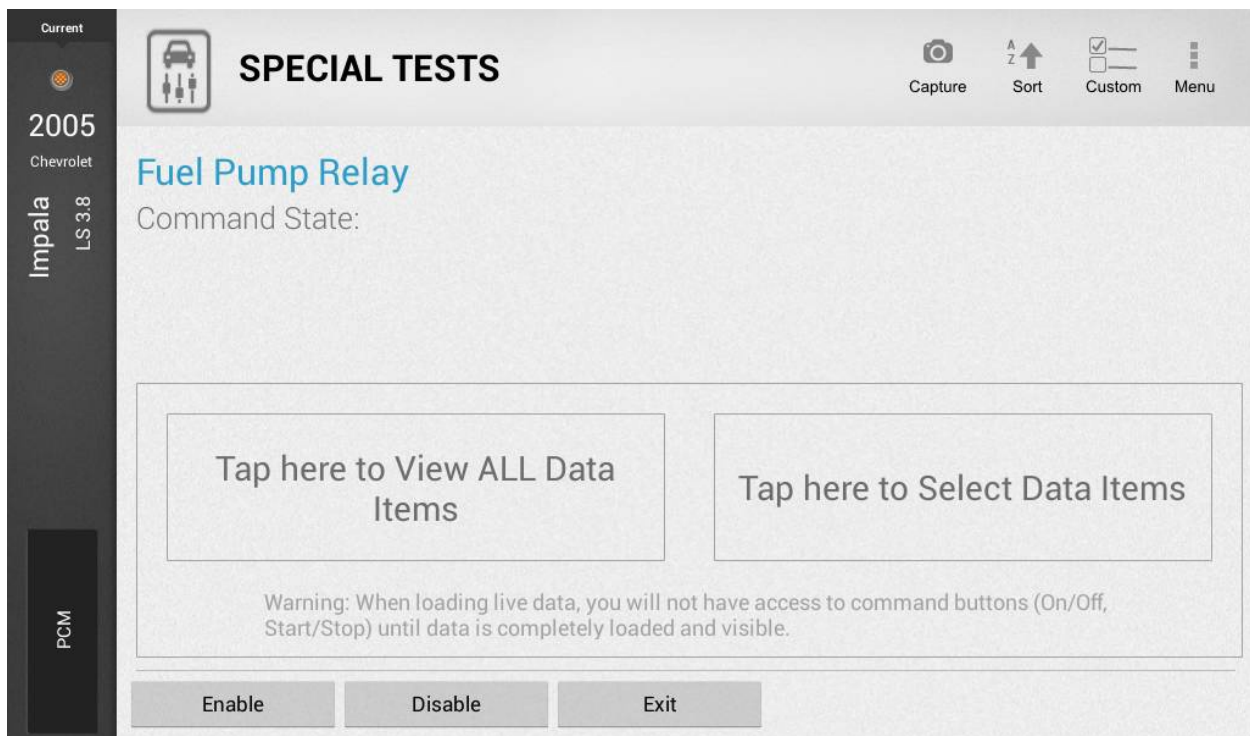
Log

After



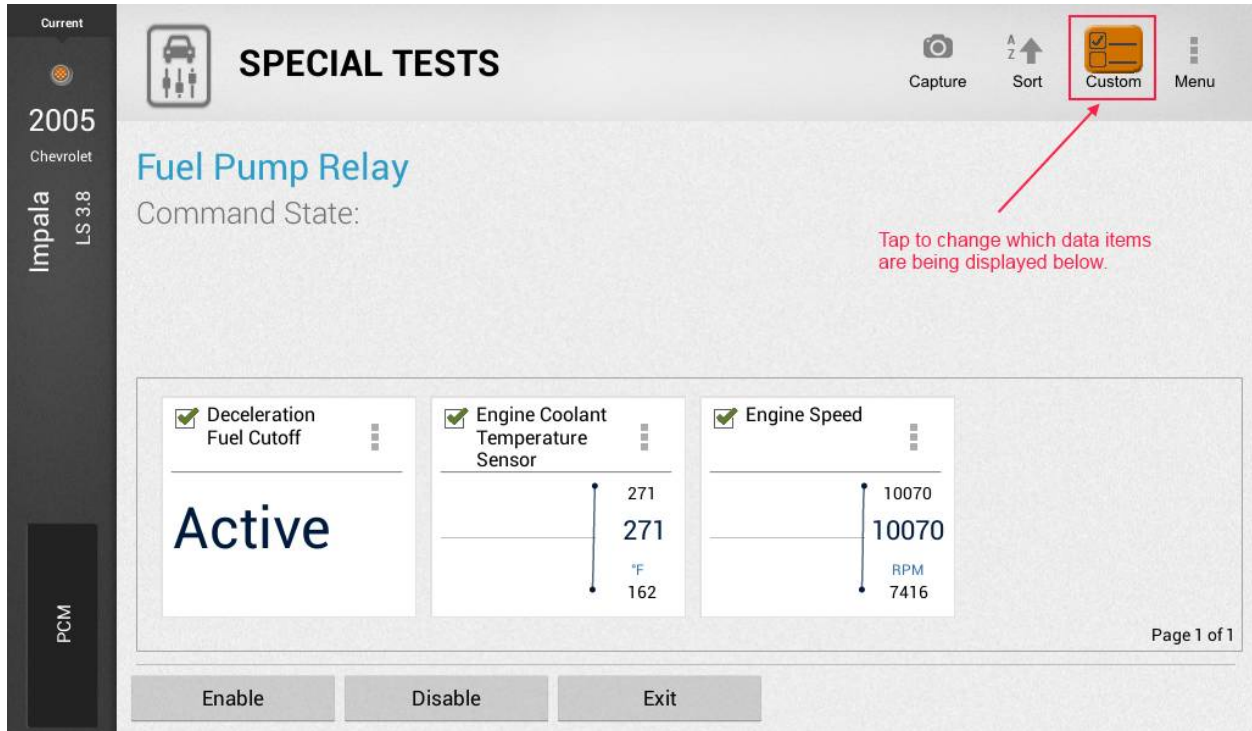
❖ Custom Data Stream in; Special Tests

Custom Data Stream Support in Special Tests has been added. Users can still optionally choose to load Data Items in a Special Test if they want to, but now they can pick which Data Items to load.

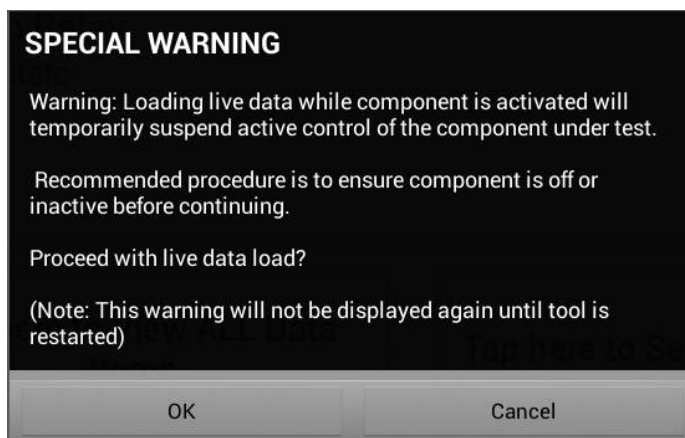


- To load all of the available Data Items select: "Tap here to View ALL Data Items"
- To select which Data Items to view on screen select: "Tap here to Select Data Items"
 - This will load the Custom Data Item selection box giving you the opportunity to pick which Data Items to load:

The selected data items will now be displayed and you can change your selections at any time by selecting the "Custom" menu option:



In both cases, a popup will be displayed to ensure users have the opportunity to turn off or disable any component under test before proceeding:



❖ Common Icon Text Descriptions in Spanish and French

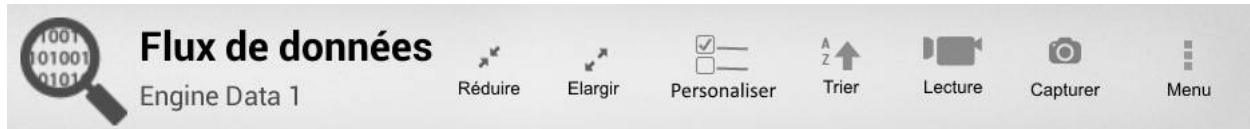
Icon text descriptions are now available on all Header bars in the tool in Spanish and French.

Spanish



French

Data Stream



New Vehicle Coverage

- Nissan - Expanded coverage for 2003-2015MY for Camera, Cruise Control, Driver Assist, Safety and other types of controllers
- Ford - Additional Coverage for PATS (Passive Anti-Theft System) Key Programming functions
- Ford - New coverage for MAF Sensor Contamination Test
- GM - Additional coverage for important SRS/BCM tests such as Passenger Presence Sensor Learn, Re-Zero Passenger Presence System, Setup New SDM, Store SDM Part Number, Synchronize IPC and SIR
- Volkswagen/Audi - System specific datastream groups added for many vehicles and systems
- Added coverage for 656 new systems
- Added coverage for 2,240 new vehicle-ecu combinations
- Added 519 new Adjustment type tests
- Added 1,903 new Actuation type tests
- **Updated Diagnostic Information for the following:**
 - Code-Assist Library confirmed fixes
 - SymptomAssist
 - DTC Circuit Description for GM, Ford and Chrysler/Jeep
 - DTC Possible Causes for GM and Ford
 - Code Info for GM, Ford and Chrysler/Jeep

- PCM Connector Pin Information (B.O.B) for GM, Ford and Chrysler/Jeep
- Drive Cycle Procedures for GM, Ford and Chrysler/Jeep
- Component Locations (Controller, Fuse Box, DLC)
- Battery Disconnect procedures and reference information
- Key Programming procedures and reference information
- ABS Brake Bleed Procedures
- Oil Light Reset Procedures
- TuneUp Specifications

New Coverage – USA Domestic

Chrysler/Jeep Coverage

181 new Adjustment type special tests including:

- **Engine/PCM** - Active Grill Shutter Replaced, Clear DEF Pump Learned Offset Values, Engine Idle Shutdown Feature Enable/Disable, Idle Shutdown Timer Adjustment, P2262 Fault Diagnosis Test, Reset Adaptive Memory, Reset Adaptives After Block Change, Reset Air-Fuel Adaptives, Reset Camshaft Adaptives, Reset Error Free Operation Time to 40 Hours, Reset of SCR Long Term Adaptation Factor, Reset VVA Freeze Incorrect Request, Reset Zero Fuel Quantity Calibration, SCR System Catalyst Reset, Set Max Vehicle Speed, VG Turbo Charger Cleaning Procedure
- **Transmission/Electronic Shifter** - Clear Learning Value, Quick Learn
- **ABS** - SAS Initialization
- **Tire Pressure Monitor/WCM** - TPM Sensor Test
- **Safety/Airbag** - ORC Rollover Detection
- **Climate (HVAC)** - Self Test Routine
- **Body Control** - Remote Start tests, Door Lock tests, Power Liftgate Door Calibration tests, Forward Facing Camera Calibration
- **Steering** - EPS Learn
- **Suspension** - Set Axle Type, System Air Mass/Pressure/Ride Height Readings
- **Driver Assist** - Camera Calibration
- **Others** - CCN Self Test Routine, Memor Seat Horizontal Adjustment, AFLS Calibration Routine

217 new Actuation type special tests including:

- **Engine/PCM** - Check PCM VIN, Cooled EGR H-Bridge Valve System Test, DEF Reductant Doser Pump Override Test, Over Drive Solenoid, Throttle Valve, Underdrive Solenoid, Variable Speed Fuel Pump Test
- **Transmission/Electronic Shifter** - Pressure Control Solenoid Valve, Shift Solenoid tests, TCC Pressure Control Solenoid
- **Safety/Restraint** - Activate Driver and Passenger Head Restraints

- **Transfer Case** - AWD System Switch, ECC Percent Max Torque, PTU Position, T-Case Motor Duty Cycle, ELSD System Function Test
- **Suspension** - Fill Spring From Reservoir, Spring Deflate To Atmosphere, Spring Deflate to Reservoir
- **Climate (HVAC)** -Cool Down Test Routine, Left Air Mix Servo Motor Target Position, Rear Blower State
- **Body Control** - Enable Trailer Tow Lamps, Glass Washer Rear, T-Case Mode/Position-Standard
- **Others** - tests for SEAT systems, AUDIO systems, INTEGRATED CENTER STACK, Power Liftgate and Sliding Door tests

Special test fixes/improvements:

- 2015 Town & Country TRANSMISSION - fixed "Solenoid tests need a Toggle option"
- 2009 Grand Caravan 3.8L - fixed EGR Duty Cycle test does not work properly
- 2008 Wrangler - fixed Steering Angle Reset test not available
- 2007 Caliber CCN - fixed no tests available
- 2007 Sebring TRANSMISSION - fixed Quick Learn test not available
- 2007 Ram 6.7L - fixed Turbo Cleaning Procedure test not available
- 2004 Ram 3500 ABS - fixed Brake Bleed test does not work properly
- 2003 Town & Country PCM - fixed Write VIN test does not work properly
- 2003 Grand Caravan - fixed Sliding Door tests do not work properly
- 2002 Liberty INSTRUMENT CLUSTER - fixed tests do now work properly
- 2002 Grand Caravan 3.8L - fixed Cam/Crank Reset test not available
- 2002 Durango 5.9L - fixed Pinion Factor test not available

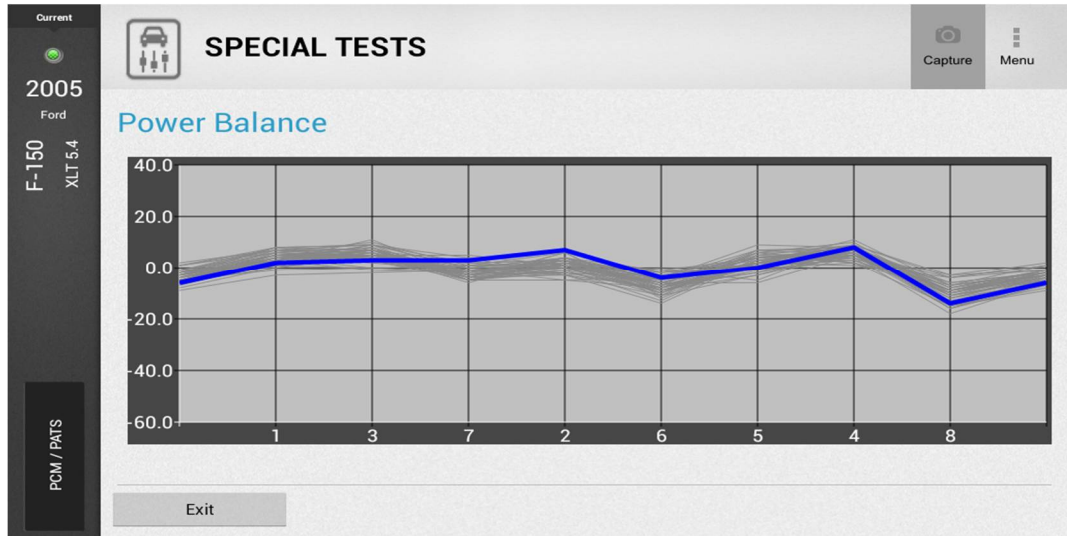
Updated Diagnostic Information for the following:

- DTC Circuit Description through 2015
- Code Info through 2015
- PCM Connector Pin Information (B.O.B) through 2015
- Drive Cycle Procedures through 2015
- Component Locations (Controller, Fuse Box, DLC) through 2015
- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

Ford Coverage

- Additional Coverage for PATS (Passive Anti-Theft System) Key Programming functions
- New coverage for MAF Sensor Contamination Test
- Added coverage for 4 new systems
- Added coverage for 4 new vehicle-ecu combinations

- Power Balance (2006 - 2015) now works on Engine cold start



- MAF Sensor Contamination Test

Current

2005
Ford
F-150
XLT 5.4

SPECIAL TESTS

MAF Sensor Contamination Test

This test will aid in the diagnosis of a contaminated MAF Sensor.

A contaminated MAF Sensor will over estimate airflow at idle resulting in a rich condition. This will cause the Long Term Fuel Trim (LTFT) to learn a negative (lean) value. If this value is less than -15% this indicates the MAF Sensor may be contaminated.

Note: If this is a dual-bank engine both LTFT-B1 and LTFT-B2 must be shifted negative together to indicate possible contamination.


PCM / PATS

Continue Abort

Current

2005
Ford
F-150
XLT 5.4

PCM / PATS

 **SPECIAL TESTS**

Capture Menu

MAF Sensor Contamination Test

Are both LTFT-B1 and LTFT-B2 less than -15%?

LTFT-B1	0 %
LTFT-B2	0 %


Yes No Exit

o Fuel System Test

Current

2005
Ford
F-150
XLT 5.4

PCM / PATS

 **SPECIAL TESTS**

Capture Menu

Fuel System Test

This function will test the fuel systems ability to build and hold pressure in the fuel rail, as well as measure the flow of each injector and display relative results.

Continue Abort

SPECIAL TESTS

2005
Ford
F-150
XLT 5.4

PCM / PATS

Fuel System Test

Test Status: Test Complete (Injector Flow Time)

Fuel Injector 1	66 ms
Fuel Injector 3	68 ms
Fuel Injector 7	68 ms
Fuel Injector 2	69 ms
Fuel Injector 6	66 ms
Fuel Injector 5	68 ms
Fuel Injector 4	66 ms
Fuel Injector 8	65 ms

Injector % Information Exit

9 new Adjustment type special tests including:

- **Engine/PCM** - PCM PATS Functions, Reset KAM
- **Brakes/ABS** - Lateral Accel Sensor Initialization Start, Yaw Rate Sensor Initialization Start
- **Others** - PATS Functions for Instrument Cluster and Passive Anti-Theft modules

158 new Actuation type special tests including:

- **Engine/PCM** - Canister Vent Duty Cycle, Coast Clutch Solenoid - Control State, Coast Clutch Solenoid - Duty Cycle, Commanded Gear, Desired Gear - Control State, Dynamic Pressure Control Solenoid tests, EGR Duty Cycle, Engine Output Test, EVAP Leak Test, EVAP Purge - Duty Cycle, EVAP Purge/Vent Control, Fuel Pump, Fuel System Test, Fuel Trim tests, O2 Heater tests, Idle Air Control, IMRC Command - Control State, MAF Sensor Contamination Test, Power Balance, Pressure Control Solenoid tests, Relative Compression, Shift Solenoid tests, Torque Converter Clutch tests
- **Transmission** - Coast Clutch Solenoid - Control State, Coast Clutch Solenoid - Duty Cycle, Commanded Gear, Desired Gear - Control State, Dynamic Pressure Control Solenoid tests, Pressure Control Solenoid tests, Shift Solenoid tests, Torque Converter Clutch tests
- **Brakes/ABS** - Inlet and Outlet Solenoid tests, Brake Two Wheel Dyno Mode
- **Transfer Case** - Low 4X4 Mode LED Test, Shift Motor Position Sense Contact Plate Power Circuit Status
- **Suspension** - Air Compressor
- **Instrument Cluster** - Lamp tests, Segment tests, Gauge tests

- **Climate/HVAC** - Blower Motor tests, Driver Heated Seat Command, Passenger Heated Seat Command, Rear HVAC Mode Control Input, Rear Mode Door Position
- **Body Control** - Lamp and Buzzer/Warning tests
- **Others** - Speaker tests, On Demand Test for many modules

Special test fixes/improvements:

- 2012 F-150 3.7L - fixed "Purge Valve test needs to show PIDS"
- 2011 F-250 6.2L - fixed Power Balance test does not work properly
- 2010 Focus GEM - fixed Door Lock tests not available
- 2010 Taurus 3.5L - fixed Power Balance test does not work properly
- 2008 Explorer INSTRUMENT CLUSTER - fixed Engine Coolant Temperature Gauge test does not work properly
- 2008 Edge 3.5L - fixed Canister Vent Valve test does not work properly
- 2008 F-450 6.4L - fixed "Fan Clutch test needs to show PIDS"
- 2004 Expedition PCM - fixed Power Balance test not available
- 2004 F-350 6.0L - fixed Fan test does not work properly
- 2003 Grand Marquis PATS - fixed PATS Function tests not available
- 2003 Navigator PATS - fixed PATS Function test does not work properly
- 2002 F-250 PATS - fixed PATS Function tests not available
- 2002 F-450 7.3L - fixed Cylinder Cutout test does not work properly
- 2001 Windstar PATS - fixed PATS Function test does not work properly
- 2001 F-250 7.3L - fixed Injector Buzz test does not finish properly
- 1999 E-350 7.3L - fixed Injector Buzz test does not finish properly
- 1999 F-350 7.3L - fixed Injector Buzz test does not finish properly
- 1994-2002 7.3L - fixed Injector Buzz test does not finish properly

Other fixes/improvements:

- 1996-1997 Explorer ABS - fixed communication issues

Updated Diagnostic Information for the following:

- DTC Circuit Description through 2015
- Code Info through 2015
- PCM Connector Pin Information (B.O.B) through 2015
- Drive Cycle Procedures through 2015
- Battery Disconnect procedures and reference information through 2015
- Key Programming procedures and reference information through 2015
- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

General Motors / Saturn Coverage

- Additional coverage for important SRS/BCM tests such as Passenger Presence Sensor Learn, Re-Zero Passenger Presence System, Setup New SDM, Store SDM Part Number, Synchronize IPC and SIR
- Added coverage for 9 new systems for BODY/LIGHTING SYSTEM, DIGITAL RADIO RECEIVER, OCCUPANT CLASSIFICATION and VEHICLE CONTROL SYSTEM
- Added coverage for 12 new vehicle-ecu combinations

177 new Adjustment type special tests including:

- **Engine/PCM** - Battery End of Life Estimate Reset, Clutch Pedal Position Learn, Crankshaft Pos Variation Learn, Exhaust Brake Options, Fuel Composition Reset, Fuel Filter Life Reset, Fuel Trim Reset, HO2S Heater Learn, Idle Learn Reset, Oil Life Reset, Pilot Injector Balance Procedure, Reset TPS Learn Value, RVS Disable History Reset, Supply Pump Learn, TC Learn
- **Transmission** - Clear Transmission Adaptive Pressure tests, Preset All TAP Cells, Reset Transmission Adapts, Reset Transmission Oil Life
- **Brakes/ABS** - Automated Bleed, Automated Brake Bleed, Automated Test, Steering Position / Torque Sensor Calibration, Yaw/Lateral Sensor Relearn
- **Tire Pressure Monitor/RCDLR** - Program All Key Fobs, Program Individual Key Fob
- **Safety/Airbag** - Buckle Up Reminder, Passenger Presence Sensor Learn, Re-Zero Passenger Presence System, Setup New SDM, Store SDM Part Number, Synchronize IPC and SIR
- **Climate/HVAC** - HVAC Afterblow Configuration
- **Body Control** - Setup BCM, Key Fob Programming, Program All Key Fobs
- **Others** - DRR Setup, Instrument Cluster Initialization, IPC Setup, IPC Recalibration, Synchronize IPC and SIR, Navigation Update Initialize, Radio Setup, Tuner Calibration, VIN Relearn

557 new Actuation type special tests including:

- **Engine/PCM** - A/C Clutch, A/C Relay, Air Pump, AIR Service Bay Test, Air System, APM Set Point Control, Canister Purge Solenoid, Intake and Exhaust CMP Actuator tests, Cylinder Deactivation System, Cylinder Power Balance, EGR Solenoid, EGR Valve Motor Cleaning, Engine Speed Control, EVAP Purge Solenoid, EVAP Purge/Seal, EVAP Service Bay Test, EVAP System Seal, EVAP Vent Solenoid, Fan tests, Fuel Injector tests, Fuel Injector Balance, O2 Sensor Heater tests, Intake Manifold Runner, P1870 Diagnostic Test, Throttle Position
- **Hybrid** - Battery Pack Fan Speed, Brake Hold Solenoid tests, Check High Voltage System Related DTCs, Hybrid Battery Charge Hours, Hybrid Battery Discharge Amp Hours, Hybrid Battery SOC High, Hybrid Battery SOC Low, Hybrid Disable, SGCM Field Current, SGCM Pump Speed
- **Transmission** - Line Pressure Control Solenoid Valve, PC Solenoid tests, Shift Solenoid tests, TCC Control tests
- **ABS/Parking Brake** - ABS Motor, Solenoid tests

- Suspension - All Shock Solenoids, Chassis Pitch Signal, LF Shock Solenoid, LR Shock Solenoid, RF Shock Solenoid, RR Shock Solenoid
- **Instrument Cluster** - Dimming tests, Gauge tests, Lamp tests, Button tests
- **Climate/HVAC** - Air Inlet Door, Driver Heated Seat, Passenger Heated Seat, Recirculation Mode
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, Window tests, Light/Headlamp tests
- **Doors** - Door Lock/Unlock tests, Mirror tests


Special test fixes/improvements:

- 2015 Silverado HD 6.6L - fixed Reductant System Leak Test not available
 - 2013 Silverado HD ABS - fixed Yaw Rate Calibration test not available
 - 2005 Sierra 5.3L - fixed Special Tests not available
 - 2012 Captiva ENGINE - fixed no tests available
 - 2009 Silverado HD HVAC - fixed HVAC Sensor Recalibration test not working properly
 - 2008 Express ABS - fixed Yaw Rate test not available
 - 2008 Silverado ABS - fixed Automated Bleed test not working properly
 - 2007 Corvette ABS - fixed Automated Bleed test not working properly
 - 2006 Montana ABS - fixed Automated Bleed test not working properly
 - 2006 Silverado HD TRANSMISSION - fixed Fast Learn test not working properly
 - 2005 Equinox TRANSMISSION - fixed Automated Test not working properly
 - 2005 Silverado HD 6.6L - fixed TC Vane Position Relearn test not available
 - 2005 Sierra HD 6.6L - fixed Turbo Vane % Control test not available
 - 2005 Grand Am BCM - fixed BCM Setup test not working properly
 - 2004 Malibu PCM - fixed Fuel Trim Reset test not working properly
 - 2000 GMC Jimmy - fixed Key Programming test not available
 - 1999 Saturn SL1 - fixed EGR Duty Cycle test not available
- Radio Setup

Current

2004
Saturn
Vue
Red Line 3.5

RADIO

 **SPECIAL TESTS**

Capture Menu

Radio Setup

The following test will setup a new or an existing radio.


Continue Abort

o DRR Setup

Current

2005
Chevrolet
Uplander
LS 3.5

BODY/ENTERTAINMENT

 **SPECIAL TESTS**

Capture Menu

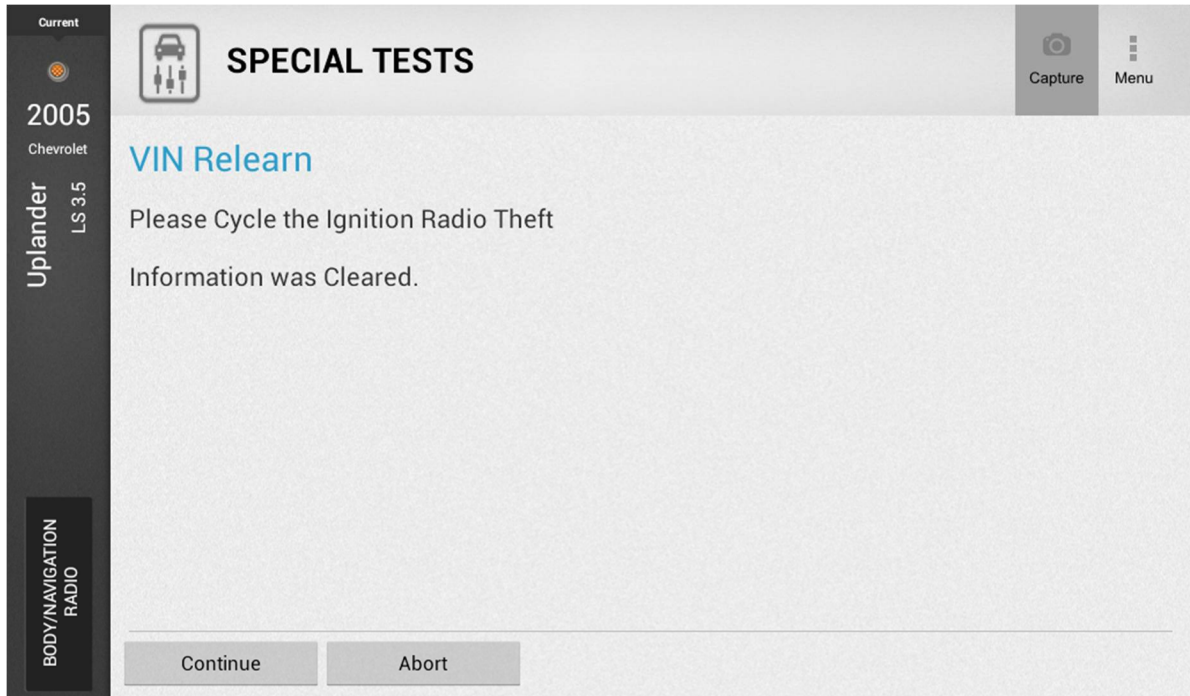
DRR Setup

You may need to contact Satellite Radio service provider customer care to completed the setup.

Refer Service Manual for more information.

Continue Abort

o VIN Relearn



Other fixes/improvements

- 2007 Aveo SRS - fixed communication issues
- 2007 Suburban HVAC - fixed communication issues

Updated Diagnostic Information for the following:

- DTC Circuit Description through 2015
- Code Info through 2015
- PCM Connector Pin Information (B.O.B) through 2015
- Drive Cycle Procedures through 2015
- Component Locations (Controller, Fuse Box, DLC) through 2015
- Battery Disconnect procedures and reference information through 2015
- Key Programming procedures and reference information through 2015
- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

New Coverage – USA Asian

Honda/Acura Coverage

- Added coverage for 12 new systems for ACTIVE CONTROL MOUNT SYS, FORWARD CAMERA - FCW/LKAS, HEAD UP DISPLAY SYSTEM, INTEGRATED DRIVER ASSIST SYS,

PARKING SENSOR MODULE, PRECISION ALL WHEEL STR, LANE DEPARTURE WARNING SYSTEM

- Added coverage for 14 new vehicle-ecu combinations

65 new Adjustment type special tests including:

- **Engine/PCM** - Crank Pattern Learning
- **Transmission** - Stroke Sensor Learning
- **Transfer Case** - All Sensors Learning, Differential Torque Setup, Initialization
- **ABS/Parking Brake** - Air Bleeding For Repair
- **Instrument Panel** - ATF Reset, Customize Reset, Engine Oil Life Reset, Resetting the Engine Oil Life and ATF, Sub Item resets
- **Steering** - EPS Steering Angle Sensor Value Clear, Steering End Learning
- **Driver Assist** - Dynamic Camera Aiming
- **Others** - Window Position reset tests

341 new Actuation type special tests including:

- **Engine/PCM** - Front/Rear ACM Solenoid, Fuel Pump, IAC Valve tests, EVAP solenoid tests, Turbo Boost Control Solenoid V, Waste Gate Solenoid (WGS)
- **Hybrid** - Battery Fan Test
- **Transmission** - Electric Current of Linear Solenoid tests, Forced Control Of Lockup Clutch, Gear Shift
- **ABS/Parking Brake** - TSA Relay Test, Brake Pad Exchange Mode
- **Transfer Case** - Pressure Test, Engagement Clutch Coil tests, S.U.E. Operation For AH-AWD
- **Instrument Cluster** - Lamp tests, Gauge tests
- **Climate/HVAC** - Climate Ctrl Check
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, Window tests, Light/Headlamp tests, Wiper/Washer tests, Power Sliding Door tests, Power Tailgate tests
- **Seat** - Memory Seat tests, Mirror tests
- **Others** - MART KEYLESS ENTRY tests

Special test fixes/improvements:

- 2011 Accord - fixed Power Window Reset tests not available
- 2008 Odyssey HVAC - fixed Automated Self Test not available
- 2005 Civic Hybrid - fixed Hybrid Battery Fan test not available

Other fixes/improvements

- 2004 MDX VTM-4 - fixed communication issues

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

Hyundai Coverage

- Added coverage for 2 new systems for LANE DEPARTURE WARNING SYSTEM
- Added coverage for 2 new vehicle-ecu combinations

6 new Adjustment type special tests including:

- **Engine/PCM** - Reset Adaptive Values

102 new Actuation type special tests including:

- **Engine/PCM** - A/C Compressor Relay, Canister Close Valve, Canister Purge Valve(CPS), Fuel Cut-4 Cylinders, Ignition Coil tests, Oil Control Valve tests
- **Transmission** - Engage Both Clutch(20mm), Pressure Control Solenoid Valve(VFS), Shift Solenoid 2 [S2]
- **ABS** - Solenoid tests
- **Electric Parking Brake** - Both Actuators Apply, Both Actuators Apply Until Disc Contact is Detected, Both Actuators Release, Left Actuator Releases, Right Actuator Releases
- **Climate/HVAC** - Rear Air Mix Door tests, Rear Air Mode Door tests
- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Mirror tests, Door Lock tests, Headlight tests, Turn Signal tests, Wiper/Washer tests
- **Others** - CAMERA systems tests

Special test fixes/improvements:

- 2010 Sonata 2.4L - fixed EVAP Monitor test not available
- 2007 Sonata - fixed Steering Angle Reset test not available

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

Kia Coverage

6 new Adjustment type special tests including:

- **Engine/PCM** - Reset Adaptive Values

124 new Actuation type special tests including:

- **Engine/PCM** - A/C Compressor Relay, Canister Close Valve, Canister Shut Off Valve, Ignition Coil tests, Oil Control Valve tests
- **Hybrid** - ON BOARD CHARGER lamp tests
- **Transmission** - Lamp tests, Shift Control Solenoid tests
- **ABS** - Solenoid tests
- **Climate/HVAC** - Rear Air Mix Door tests, Rear Air Mode Door tests
- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Mirror tests, Door Lock tests, Headlight tests, Turn Signal tests, Wiper/Washer tests
- **Others** - CAMERA systems tests

Special test fixes/improvements:

- 2010 Soul ABS - fixed no tests available
- 2008 Sedona - fixed Bleed test not available
- 2008 Rio TPMS - fixed TPMS Registration test not working properly

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2015

Mazda Coverage

7 new Adjustment type special tests including:

- **Engine/PCM** - PATS Functions, Reset KAM
- **Steering** - Steering Angle Sensor Calibration
- **Others** - PATS Functions for Instrument Cluster

83 new Actuation type special tests including:

- **Engine/PCM** - Air Conditioning Clutch, Canister Vent - Duty Cycle, Coast Clutch Solenoid tests, Commanded Gear, Desired Gear - Control State, Dynamic Pressure Control Solenoid tests, EGR Duty Cycle, Engine Output Test, EVAP Leak Test, EVAP Purge - Duty Cycle, EVAP Purge/Vent Control, Evaporative Emission Canister Vent Valve tests, Evaporative Emission Vapor Management Valve, Fuel Pump, Fuel System Test, O2 Sensor Heater tests, Idle Air Control, MAF Sensor Contamination Test, Power Balance, Pressure Control Solenoid tests, Relative Compression, Shift Solenoid tests, Torque Converter Clutch tests
- **ABS** -Brake Two Wheel Dyno Mode
- **Instrument Cluster** - Lamp tests
- **Climate/HVAC** - Blower Motor Speed

Special test fixes/improvements:

- 2002 Tribute PATS - fixed PATS Function tests not available

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2015

Mitsubishi Coverage

3 new Adjustment type special tests including:

- **Steering** - SAS Calibration

5 new Actuation type special tests including:

- **ABS** - ESS Test Mode
- **Instrument Panel** - Gauge tests

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2015

Nissan/Infiniti Coverage

- Expanded coverage for 2003-2015MY for Camera, Cruise Control, Driver Assist, Safety and other types of controllers
- Added coverage for 341 new systems
- Added coverage for 1,170 new vehicle-ecu combinations

39 new Adjustment type special tests including:

- **Transmission** - Park Position Initialization
- **ABS** - Pressure Sensor Initialization
- **Climate (HVAC)** - FRE Memory Set, REC Memory Set, Target Evaporator Temperature Upper Limit Setting
- **Driver Assist** - Blind Spot Detection Configuration, Calibration Camera Driver Side, Calibration Camera Passenger Side, Front Camera Calibration, Lane Departure Warning Camera Configuration, Reversing Camera Calibration, Reversing Camera Setting
- **Others** - Key and Door Lock tests, Battery Discharge Current Integration Clear

109 new Actuation type special tests including:

- **Climate (HVAC)** - HVAC Test
- **Suspension** - Vehicle Height Standard Position Forcing Return
- **Body Control** - Lamp and Buzzer/Warning tests
- **Seat** - Memory Seat tests, Mirror tests, Pedal Position tests, Steering Column Position tests

Special test fixes/improvements:

- Idle Air Volume test - fixed "test needs to show certain PIDS"
- 2007 Altima ENGINE - fixed Alternator Control test not working properly

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

Subaru Coverage

8 new Adjustment type special tests including:

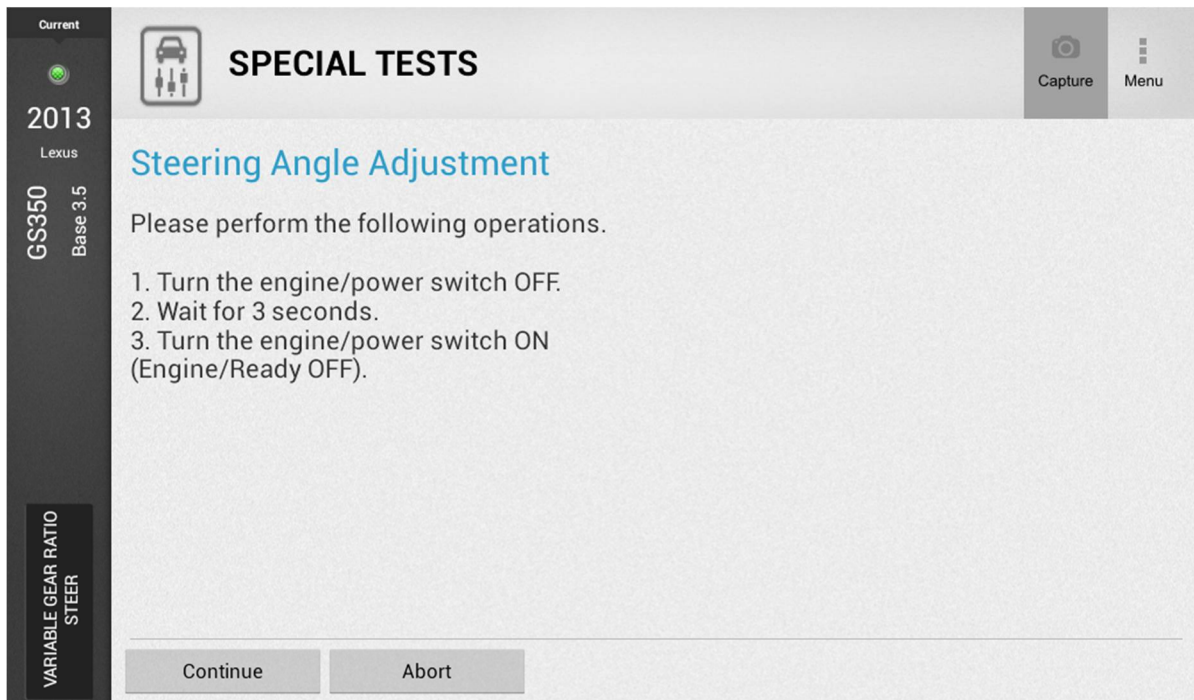
- **Body Control** - Off Delay Time, Passive Alarm, Power rear gate setting, Security Alarm Set, TPMS Setting

Toyota/Lexus Coverage

- Added coverage for 85 new systems
- Added coverage for 125 new vehicle-ecu combinations

23 new Adjustment type special tests including:

- **Engine/PCM** - Shift Control Synchronization, Switch Oil Maintenance Display
- **Brakes/ABS** - Usual Air Bleeding - All lines
- **Steering** - Steering Angle Adjustment
- **Others** - AFLS Steering Angle Initialization



63 new Actuation type special tests including:

- **Engine/PCM** - Activate DSL Solenoid, Activate The Water Pump, AICV VSV, EGR Step Position, Fuel Filler Opener
- **Hybrid** - Activate The Water Pump, Battery Cooling Fan Control, Forcible Stop of Inverter Drive
- **Transmission** - Activate DSL Solenoid, Control the Lock Up
- **Instrument Cluster** - Lamp tests

Special test fixes/improvements:

- OCCUPANT CLASSIFICATION - fixed Zero Point Calibration test not working properly
- 2012 LS460 ELECTRIC PARKING BRAKE - fixed Caliper Apply/Release tests not available
- 2006 Sienna BCM - fixed BCM tests not available

- 2005 Avalon ABS - fixed Air Bleed test does not work properly
- 2003 Highlander ABS - fixed Signal Check test does not work properly
- 2000 Tacoma 2.4L - fixed EVAP VSV test not available

Other fixes/improvements

- 2004 RX330 ADAPTIVE FRONT LIGHTING - fixed communication issues
- 2004 RX330 IMMOBILIZER - fixed communication issues

Updated Diagnostic Information for the following:

- Battery Disconnect procedures and reference information through 2015
- Key Programming procedures and reference information through 2015
- ABS Brake Bleed Procedures through 2015
- Oil Light Reset Procedures through 2015
- TuneUp Specifications through 2015

New Coverage – USA European

Alfa Romeo Coverage

5 new Adjustment type special tests including:

- **Engine/PCM** - Reset Adaptive Memory, Reset Camshaft Adaptives

2 new Actuation type special tests including:

- **Engine/PCM** - Check PCM VIN
- **Instrument Cluster** - Seat Belt Warning Chime

Audi Coverage

- Added System specific Data Stream groups added for many vehicles and systems

1 new Adjustment type special tests including:

- **ABS** - Brake Pressure Sensor Calibration

Special Test fixes/improvements:

- 2012 A4 PARKING BRAKE - fixed Caliper Apply/Release tests not available

BMW/Mini Coverage

- Added coverage for 9 new systems, including OCCUPANT CLASSIFICATION
- Added coverage for 14 new vehicle-ecu combinations

Updated Diagnostic Information for the following:

- Updated Oil Light Reset Procedures through 2014

Fiat Coverage

6 new Adjustment type special tests including:

- **Engine/PCM** - Reset Adaptive Memory, Reset Camshaft Adaptives

4 new Actuation type special tests including:

- **Engine/PCM** - Check PCM VIN
- **Instrument Cluster** - Seat Belt Warning Chime
- **Climate/HVAC** - Left Air Mix Servo Motor Target Position

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

Jaguar Coverage

7 new Actuation type special tests including:

- **Engine/PCM** - Idle Speed Control Duty Cycle, Idle-speed control valve, Speed Control

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

Land Rover Coverage

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

Mercedes Benz Coverage

- Added coverage for 13 new systems
- Added coverage for 113 new vehicle-ecu combinations

50 new Adjustment type special tests including:

- **Suspension** - Compressor Relay, Drain Valve, Raise / Lower Rear Suspension tests, Leveling Valve tests
- **Body Control** - Lamp and Buzzer/Warning tests, Headlight and Turn Signal tests, Wiper and Washer tests
- **Others** - DOOR CONTROL MODULE test for Exterior Mirror

Other fixes/improvements

- 2002 ML320 - fixed communication issues with several modules
- 2001 C240 - fixed communication issues with several modules

Updated Diagnostic Information for the following:

- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

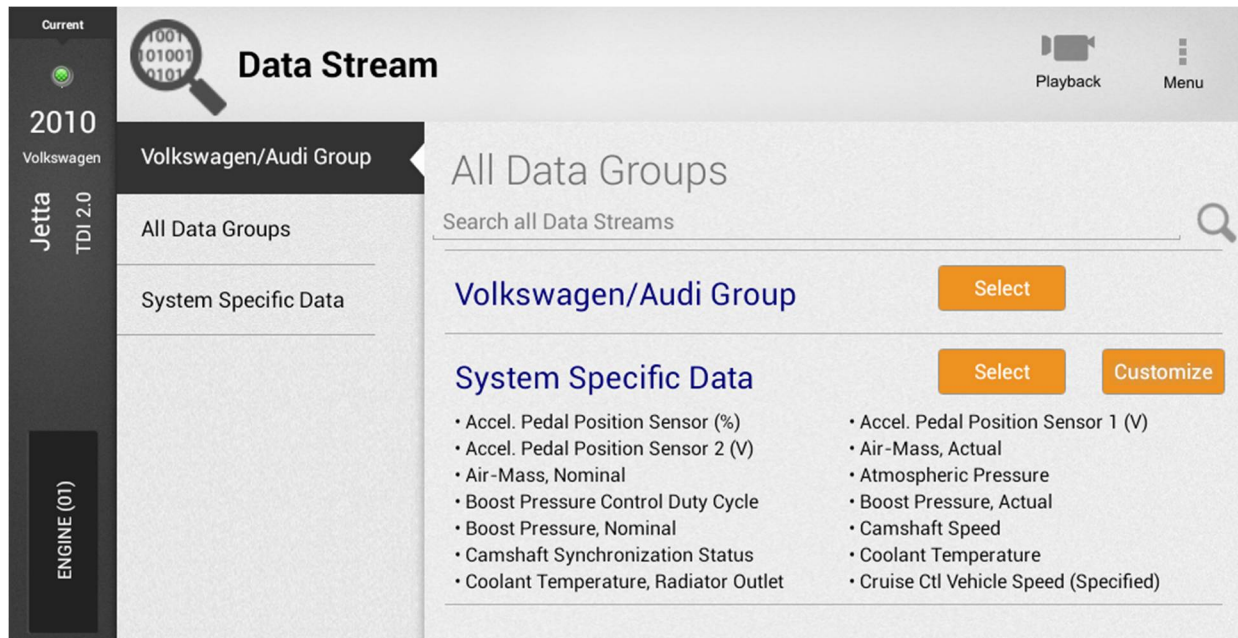
Smart Coverage

Updated Diagnostic Information for the following:

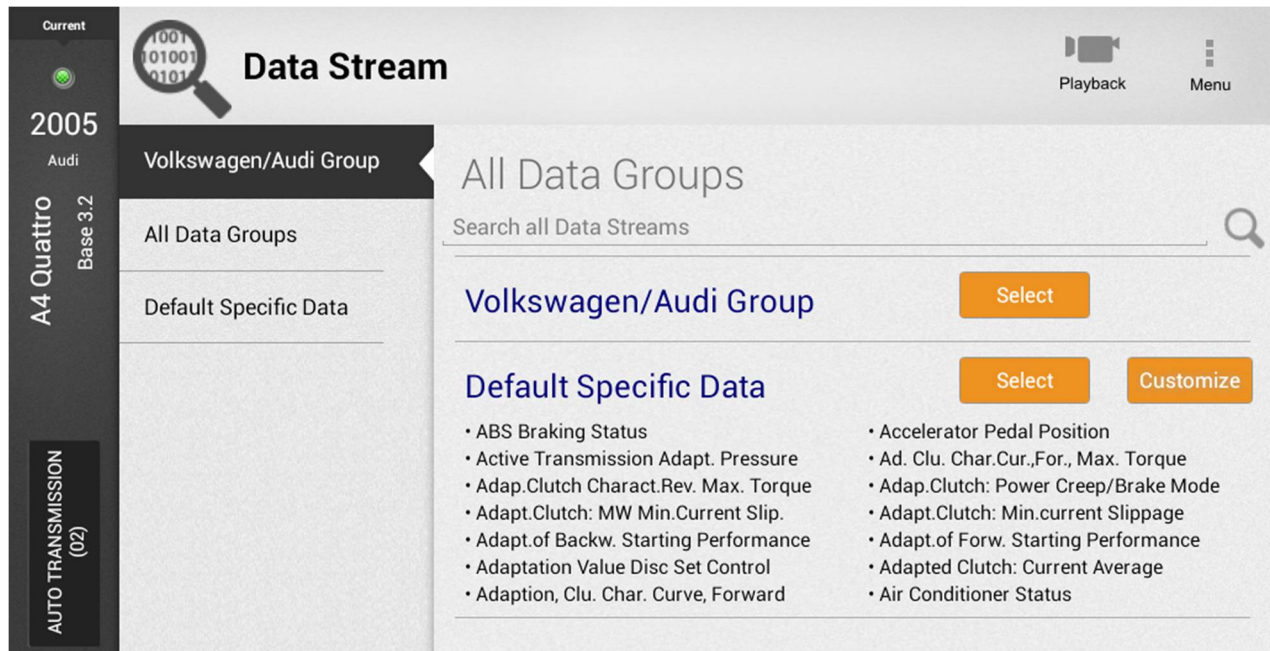
- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

Volkswagen Coverage

❖ System specific Data Stream groups added for many Volkswagen/Audi vehicles and systems



If the tool detects an unidentified variant, the datastream falls back to default variant as shown below, if available.



❖ Custom Data Stream in; Special Tests

- Added System specific Data Stream groups added for many vehicles and systems

1 new Adjustment type special tests including:

- **ABS** - Brake Pressure Sensor Calibration

Special Test fixes/improvements:

- 2013 CC PARKING BRAKE - fixed Caliper Apply/Release tests not available
- 2011 Routan ENGINE - fixed Alternator Field Control and VVT Exhaust Phaser tests do not work properly
- 2010 Tiguan PARKING BRAKE - fixed Caliper Apply/Release tests not available
- 2008 Passat - fixed Basic Setting test not available for brake service

Updated Diagnostic Information for the following:

- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

Volvo Coverage

42 new Actuation type special tests including:

- **Infotainment** - Function/Button tests, Audio Band, Multi-Function Switch

Thank you for your patronage!