

# Release Notes



## Version 2.10.0.14

### Overview:

The new version 2.10.0.14 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!

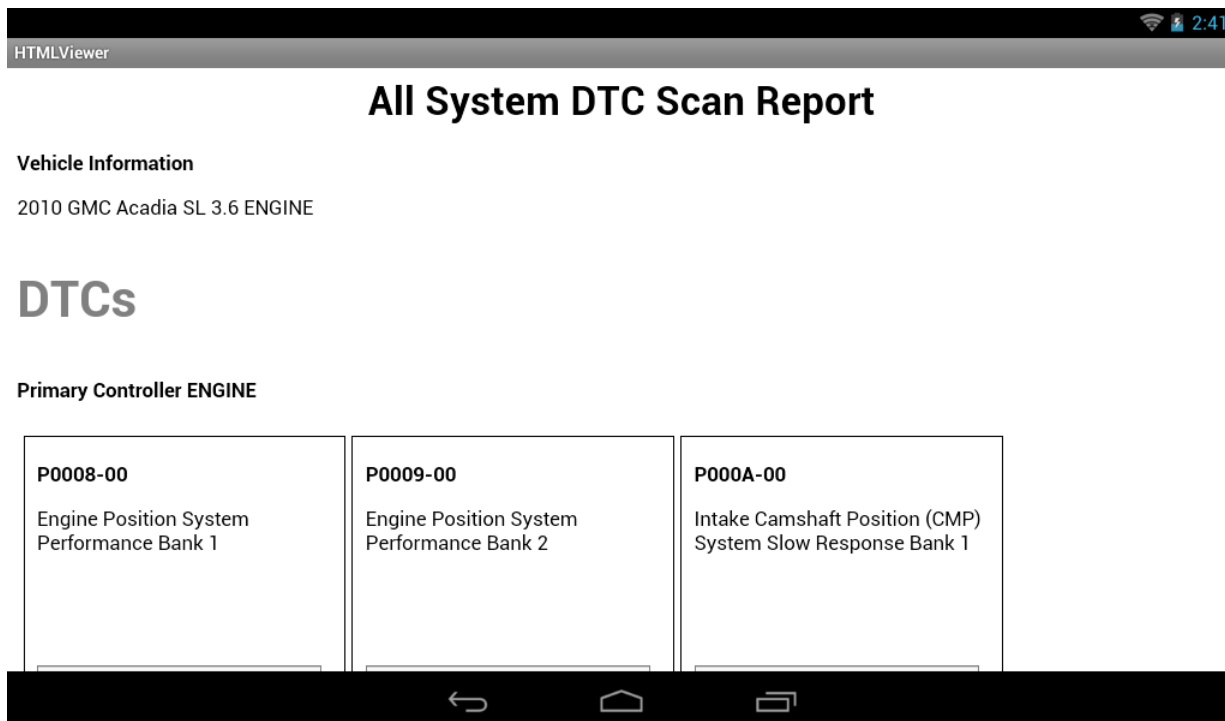
Some of the main software improvements include:

- Updated Report Layouts
- Printer Setup Improvements
- Additional Print Services
- All System DTC Clear
- Battery Tester App

### Updated Report Layouts

The reports have been updated to be made easier to read and print. Additionally, you will see that the date/time stamp are now included on all reports and in instances where the VIN is read, the VIN is also displayed. See the examples below.

*Before – All System DTC Scan Report*



*After – All System DTC Scan Report*

# ASDTC

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## VEHICLE INFORMATION

**2010 GMC Acadia SL 3.6**

VIN 1GKLRKED5AJ999999

Primary Controller ENGINE

**reminder** : only controllers with the same diagnostic connection type as the primary controller selected will be evaluated in this report. be aware that if vehicle has multiple diagnostic connections that then a different cable connection may be required to read certain controllers.

## DTCS

Primary Controller ENGINE

P0008-00 Fail Since Clear Engine Position System Performance Bank 1

P0009-00 Fail Since Clear Engine Position System Performance Bank 2



*Before – DTC Report*

## DTC Report

### Vehicle Information

2010 GMC Acadia SL 3.6 ENGINE

|                                                                                      |                                                                                      |                                                                                                       |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>P0008-00</b><br>Engine Position System Performance Bank 1<br><br>Fail Since Clear | <b>P0009-00</b><br>Engine Position System Performance Bank 2<br><br>Fail Since Clear | <b>P000A-00</b><br>Intake Camshaft Position (CMP) System Slow Response Bank 1<br><br>Fail Since Clear |
| <b>P0008-00</b><br>Engine Position System Performance Bank 1                         | <b>P0009-00</b><br>Engine Position System Performance Bank 2                         | <b>P000A-00</b><br>Intake Camshaft Position (CMP) System Slow Response Bank 1                         |



*After – DTC Report*

HTMLViewer

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DTC REPORT

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VEHICLE INFORMATION

2010 GMC Acadia SL 3.6

VIN

1GKLRKED5AJ999999

Primary Controller

ENGINE

DTCS

Primary Controller ENGINE

|          |                  |                                                            |
|----------|------------------|------------------------------------------------------------|
| P0008-00 | Fail Since Clear | Engine Position System Performance Bank 1                  |
| P0009-00 | Fail Since Clear | Engine Position System Performance Bank 2                  |
| P000A-00 | Fail Since Clear | Intake Camshaft Position (CMP) System Slow Response Bank 1 |
| P0008-00 | MIL Codes        | Engine Position System Performance Bank 1                  |

In addition to the new updated Reports Layout, you will also see:

- Share button is added to many of the Global OBDII modes which will allow you to print, email or save your reports:

Current

Generic OBDII

Share

Menu

Generic OBDII

READINESS MODE 1

DATA STREAM MODE 1

FREEZE FRAME MODE 2

DTCs MODES 3, 4, 7, A

O2 SENSORS MODE 5

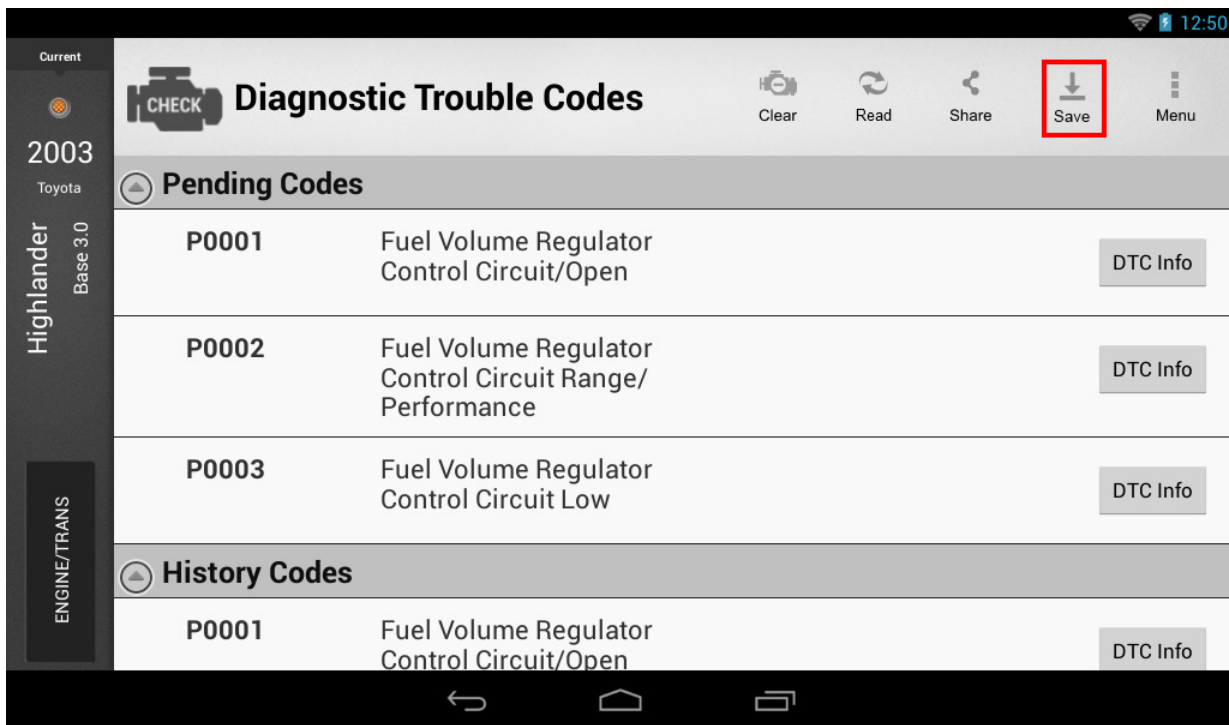
NON-CONTINUOUS TESTS MODE 6

SPECIAL TESTS MODE 8

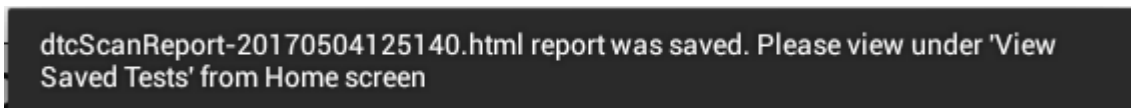
Readiness (Mode 1)

| Monitor Description            | Status        |
|--------------------------------|---------------|
| A/C System Refrigerant Monitor | Not Supported |
| EGR System Monitor             | Ready         |
| Catalyst Monitor               | Ready         |
| Heated Catalyst Monitor        | Not Supported |
| Misfire Monitor                | Ready         |

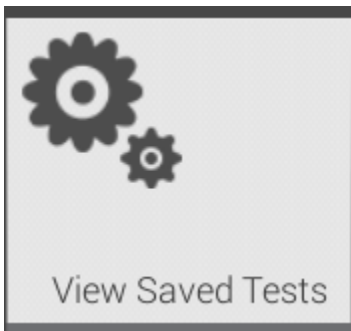
- Save button is added to DTC, All System DTC Scan and Automated System Test to let you save those reports for future viewing from the "View Saved Tests" Home tile:



- o Clicking “Save” will display a message indicating the report was saved:



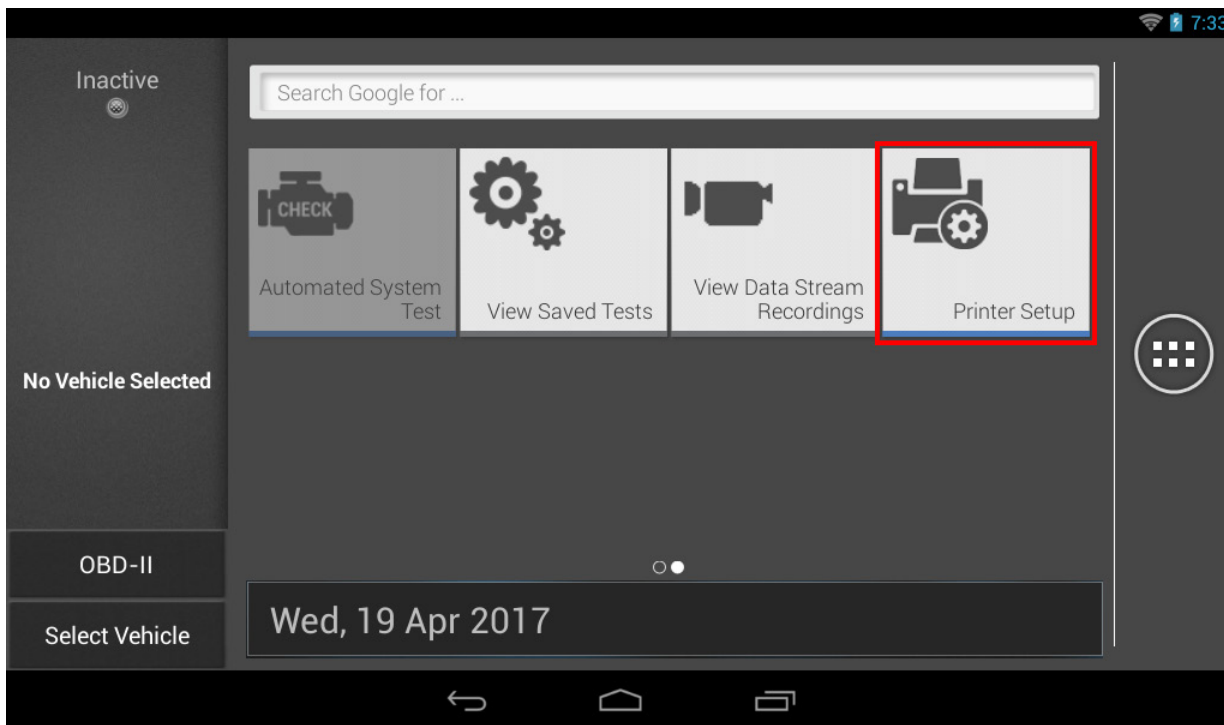
- o You can access this file by tapping on the “View Saved Tests” tile on the Home Screen:



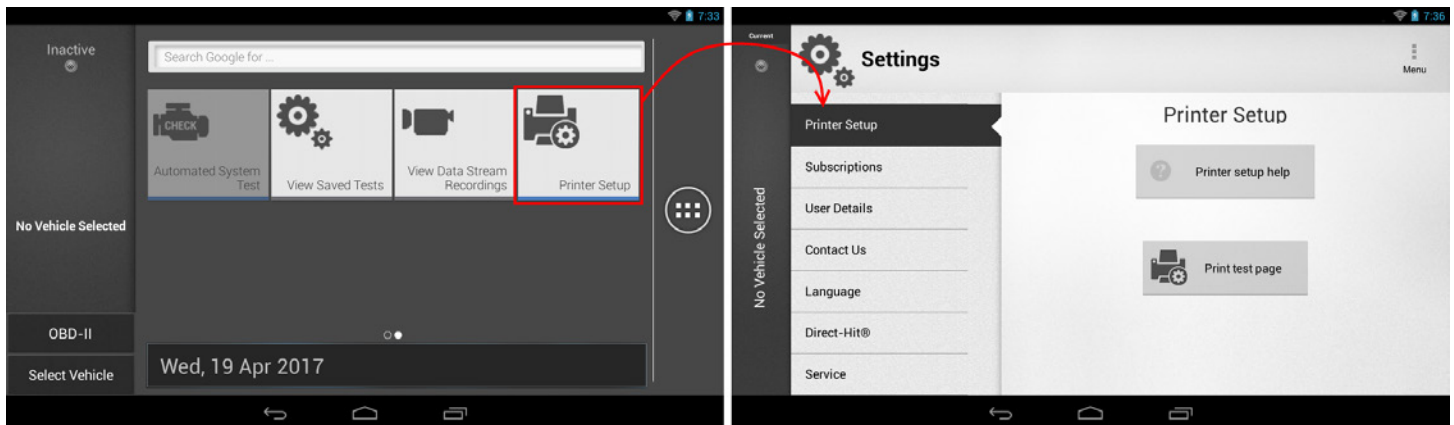
## ***Printer Setup Improvements***

There is now an in-tool option to initiate Printer Setup. This new “Printer Setup” screen is now available from the Home screen as a quick shortcut to the Settings module:

Home Screen:



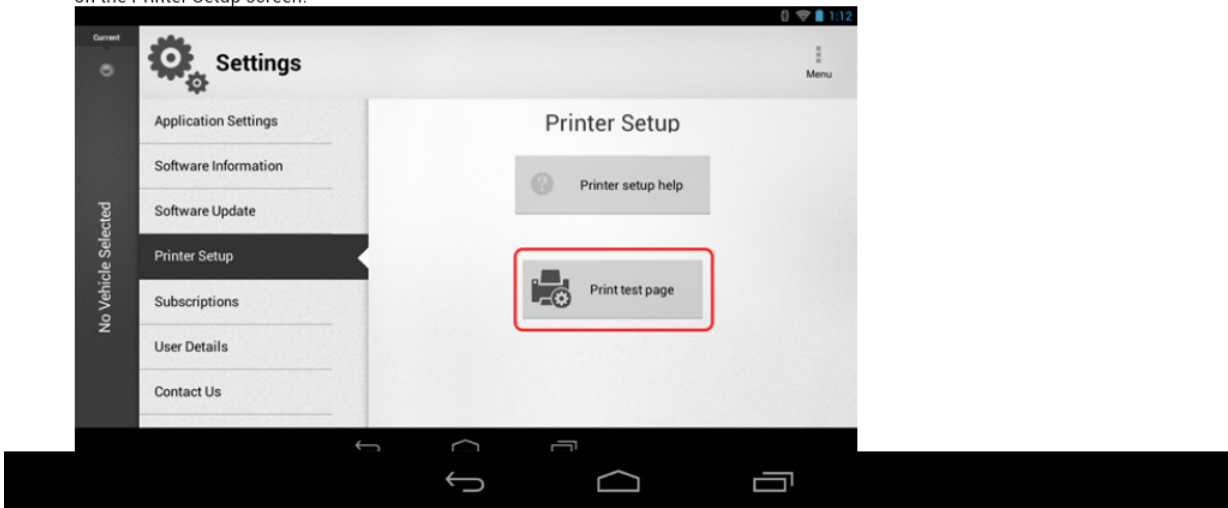
Home > Settings:



For more information on Printer Setup, tap on the “Printer setup help” button to launch a web browser with the steps necessary for assisting you in setting up your printer:

## To use Google Cloud Print from your Diagnostic Tool

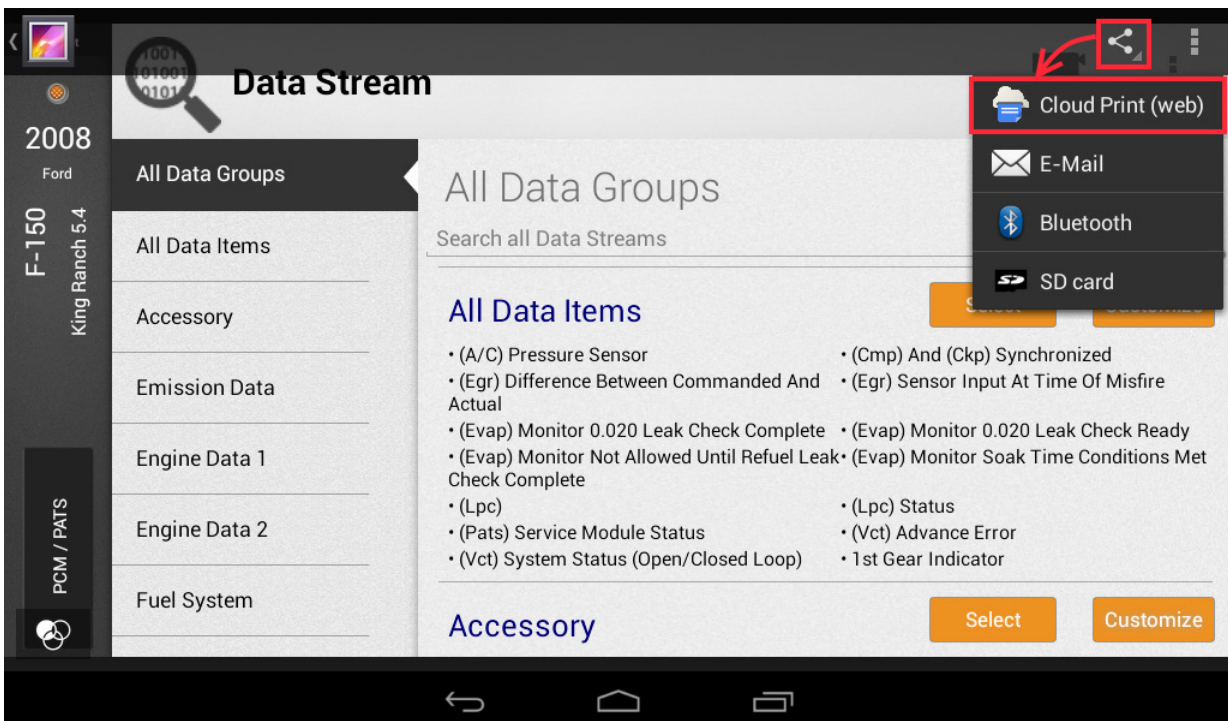
1. Ensure device is connected to internet and that network has unrestricted access to Google services. Tap on the "Print Test Page" button on the Printer Setup screen.



## Additional Print Services

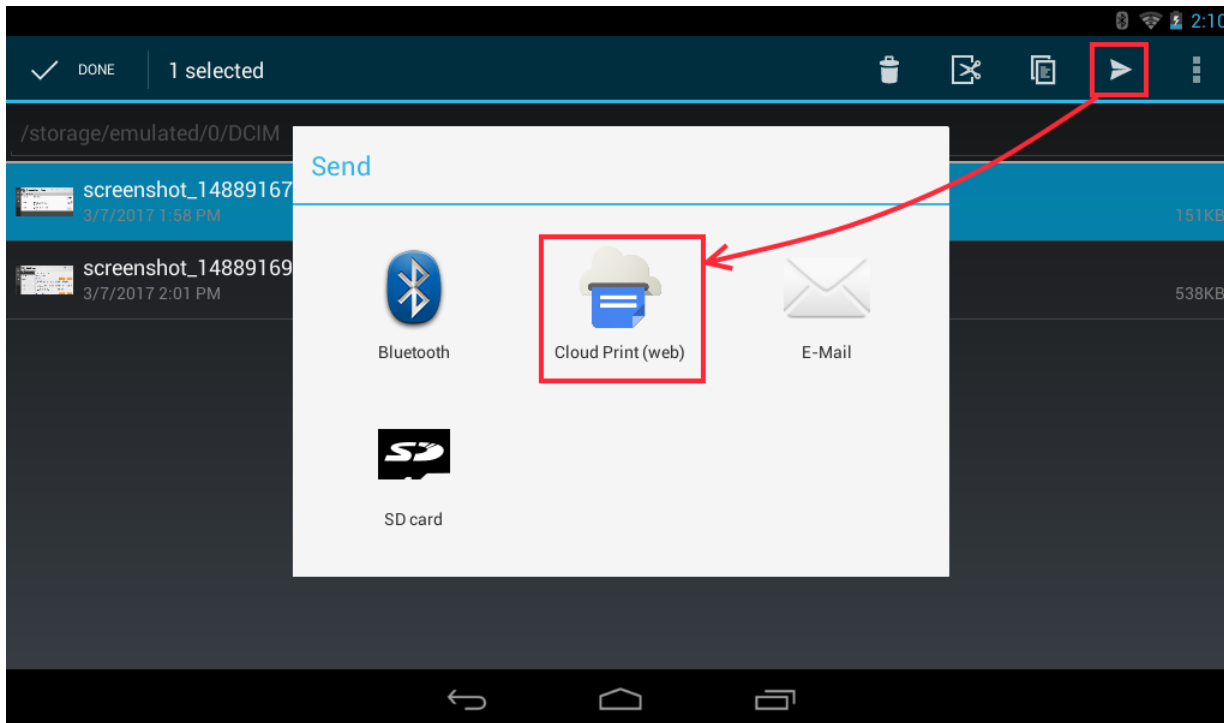
### Printing Screenshots

You can now print screenshots from within the Gallery by tapping on the "Share" icon and selecting "Cloud Print (web)":



### *Printing Saved or downloaded files*

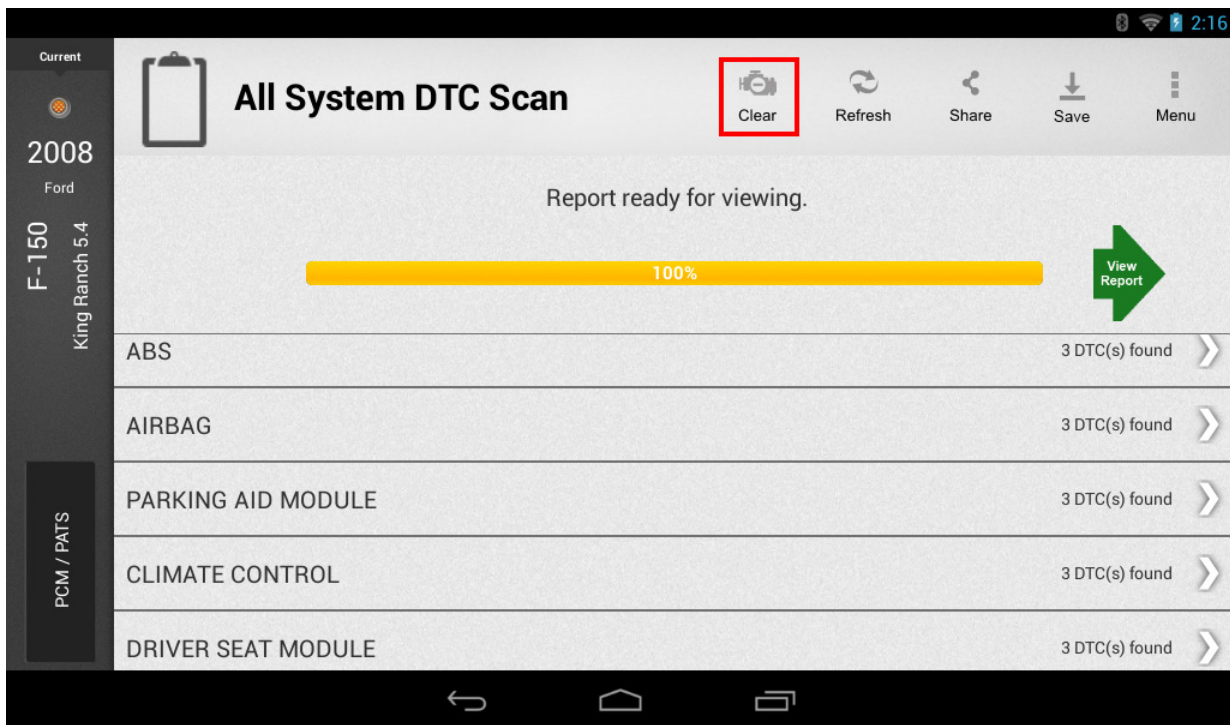
You can also print downloaded PDF files, images or saved reports from within OI File Manager by long-pressing on the saved file and tapping on the “Share” icon and selecting “Cloud Print (web)”:



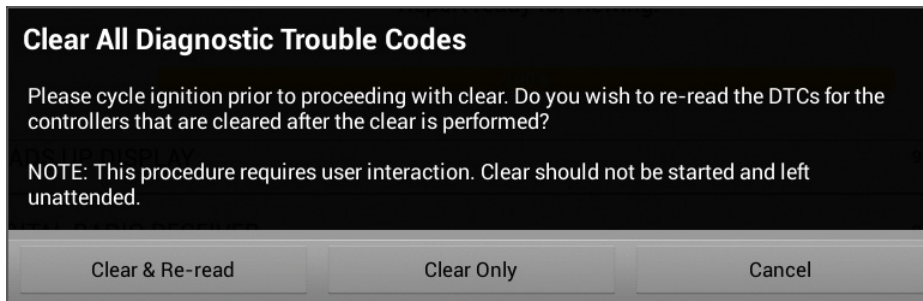
### ***All System DTC Clear***

All System DTC Clear is now available after running an “All System DTC Scan” or “Automated System Test” so long as DTCs were found on any of the controllers scanned.

In this instance, a “Clear” button will be made visible on the Header bar:

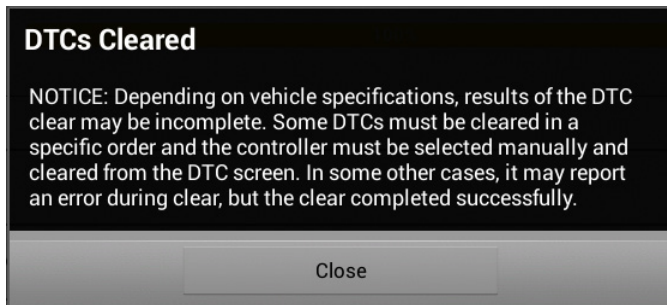


Tapping on the “Clear” button will bring up the following confirmation dialog:



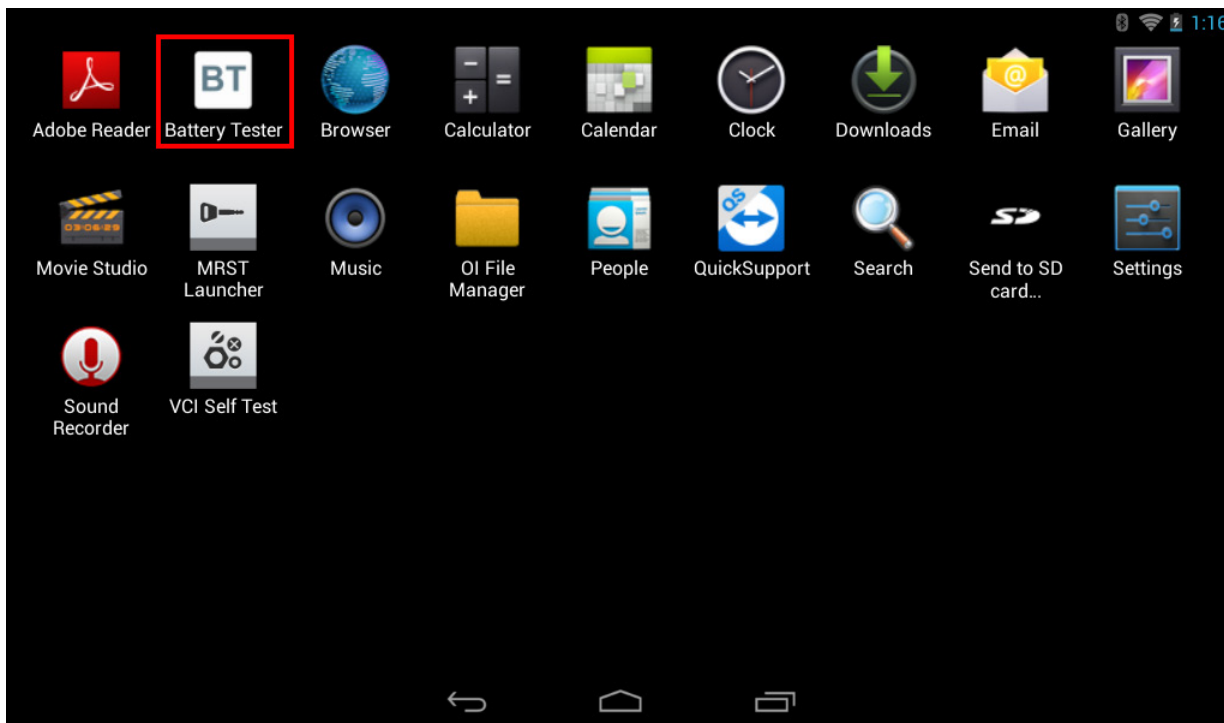
- Tapping **Clear & Re-read** will send the Clear DTC command on the controllers with DTCs, and then immediately issue the Read DTC command on those controllers.
- Tapping **Clear Only** will send the Clear DTC command on the controllers with DTCs and report the results on the screen.
- Tapping **Cancel** will not perform the Clear DTC command.

Upon completion of a DTC Clear, a warning dialog is shown to indicate that not all vehicles will honor the Clear DTC command on the specified controller and that additional steps may be required from the technician.

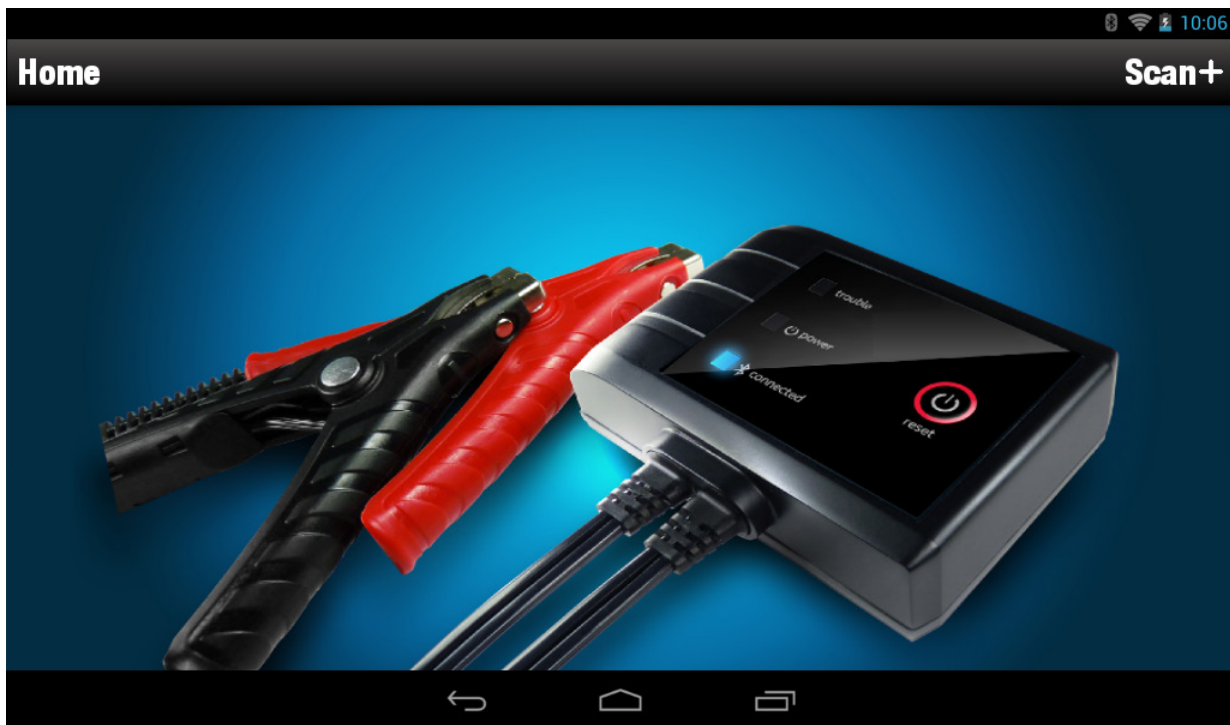


## ***Battery Tester App***

A Battery Tester Application is added in the “All Apps” menu as shown below:



The Battery Tester is shown below and can be purchased separately. <MKG update as needed>



## Other System Improvements

*Search by VIN screen*

There is a new Search by VIN entry screen available on the Vehicle Bay. Performs basic verification checks on your inputted VIN:

SEARCH BY VIN

2010 GMC Acadia

2009 Ford Focus

2005 Ford F-150 XL

VIN

1234567890

W

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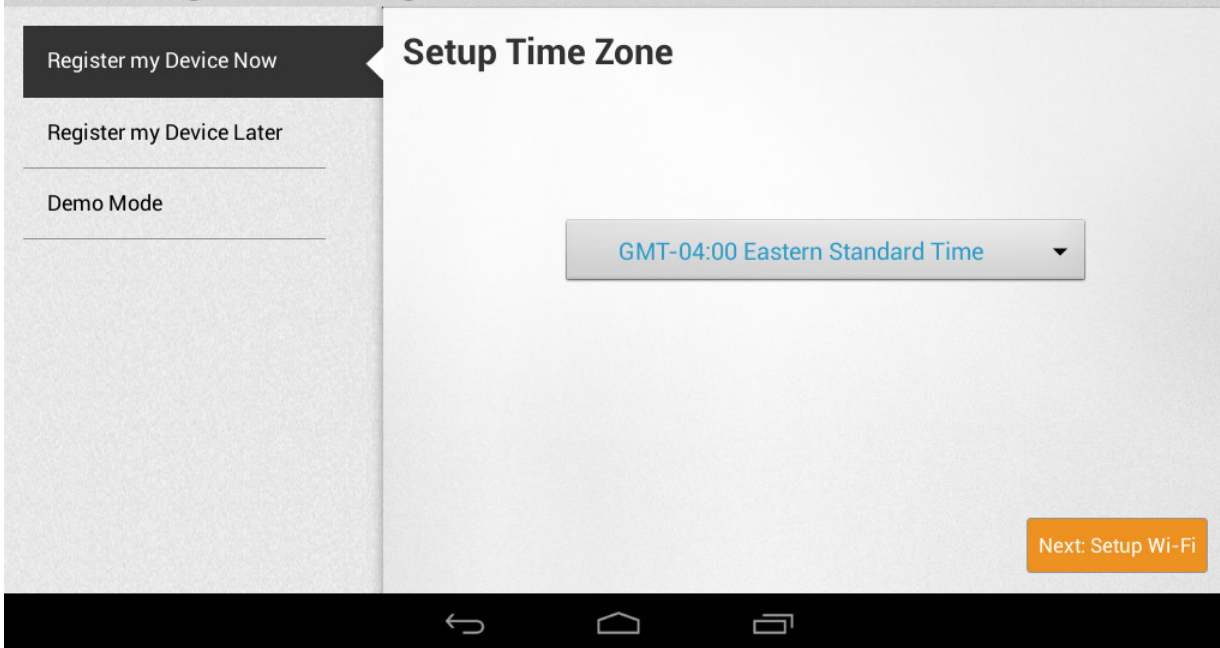
N

M

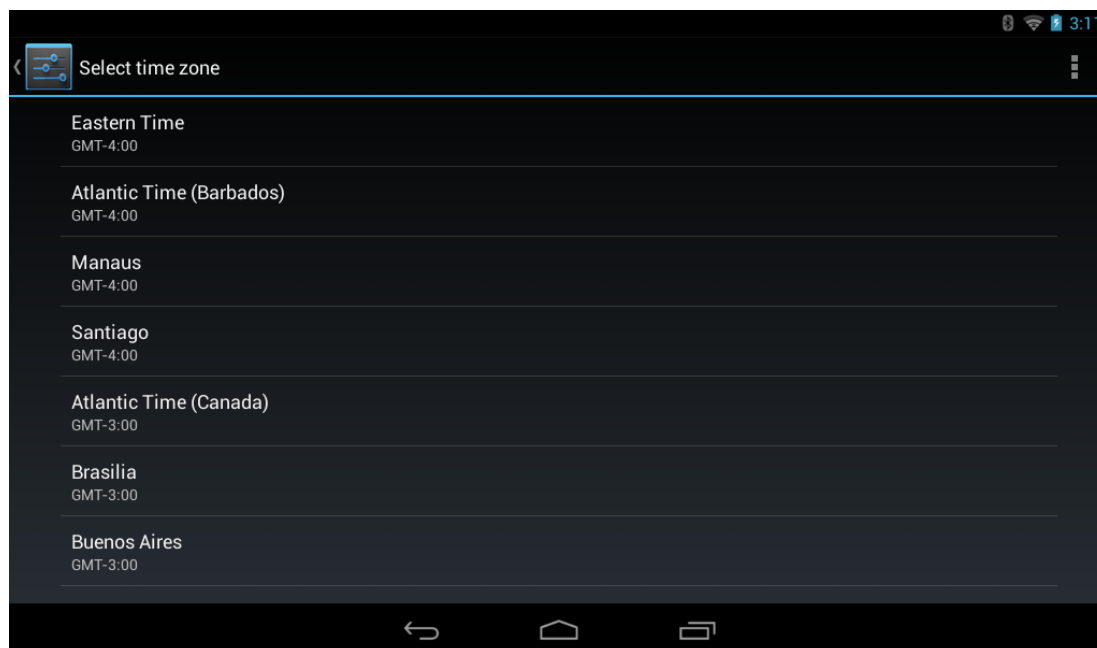
## Registration On-Boarding Process

In order to ensure that the device's timestamp is the most accurate, there is a new screen for inputting the user's Time Zone:

# You've got the right tool!



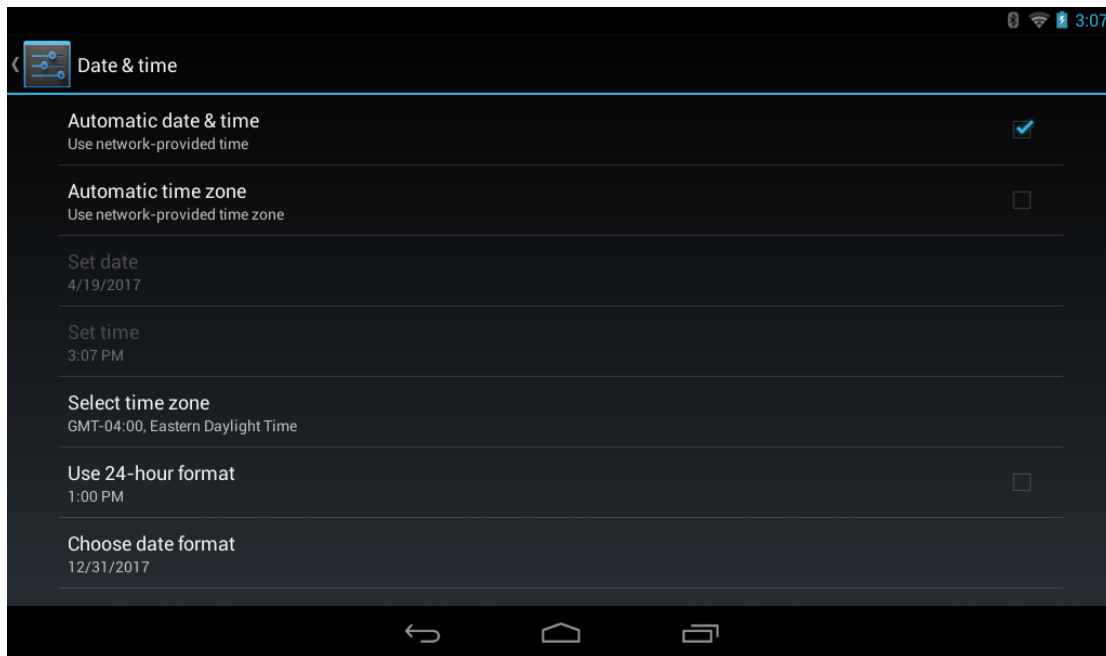
NOTE: For registered users, the time zone can be set in the “Date & Time” option in Android Settings by tapping on “Select time zone”:



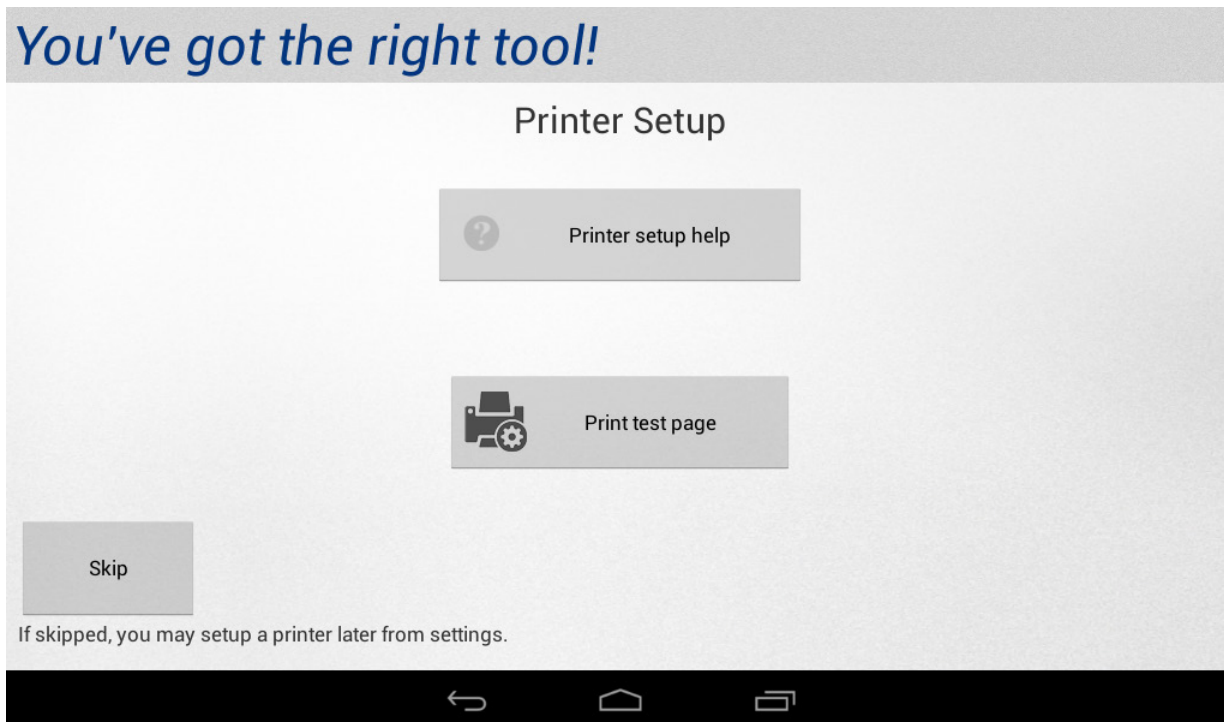
The recommended options for keeping your time and date accurate are to:

- 1) Use “Automatic date & time” settings.
- 2) Set your time zone to the correct time zone.

Shown below is “Eastern Daylight Time” and “Automatic date & time” ticked:



Additionally, the user will have an opportunity to setup their Printer immediately after registering their tool:



## ***New Vehicle Coverage***

- **Mercedes Benz** – New coverage for 2015MY vehicles and systems
- **Volkswagen/Audi** – New coverage for 2014-2015MY vehicles and systems
- **Volkswagen/Audi** – Expanded coverage for UDS protocol systems 2008-2013

- **Ford** – New coverage for Brake Pad Replacement test
- **Ford** – Expanded coverage for High Pressure Fuel System Test, Low Pressure Fuel Leakdown Test, MAF Sensor Contamination Test
- **TPMS** – Expanded coverage and improvements for Tire Pressure Sensor Registration for GM, Chrysler/Jeep, Nissan/Infiniti, Toyota/Lexus, Hyundai, Kia, Mazda, Mitsubishi, Subaru
- **New Systems** - 2,878
- **New Vehicle-ECU Combinations** – 11,891
- **New Adjustment type tests** – 217
- **New Actuation type tests** – 2,430
- **Updated Diagnostic Information for the following:**
  - o Data Item Operating Ranges for 2015MY Mitsubishi
  - o TPMS Quick Reference Information for GM, Mazda, Nissan, Toyota, Audi, Land Rover, Mercedes Benz and Volkswagen

## ***New Coverage – USA Domestic***

### ***Chrysler/Jeep Coverage***

#### **5 new Adjustment type special tests including:**

- **Engine/PCM** - Actuation Of Mixture Adaptation, Enable / Disable Vehicle Features, Snorkel Output Test

#### **1 new Actuation type special tests including:**

- **Instrument Cluster** - Vehicle Theft Alarm

#### **Special test fixes/improvements:**

- 2004 Ram ABS - fixed Set Pinion Factor not working properly for some tire sizes
- 2001 Dakota 5.9L ENGINE – fixed No CAM Sync test available

### ***Ford Coverage***

- New coverage for Brake Pad Replacement test
- Expanded coverage for High Pressure Fuel System Test, Low Pressure Fuel Leakdown Test, MAF Sensor Contamination Test

#### **5 new Adjustment type special tests including:**

- **Brakes/ABS** - Brake Fluid Replacement - Without Power Bleeder, Brake Pad Replacement, Brake System Actuation Control Unit Check, Brake System Air Bleed Check, Service Bleeding Including Brake Fluid Replacement

#### **31 new Actuation type special tests including:**

- **Engine/PCM** - DC to DC Converter Enable, Desired Engine Cooling Fan Speed, Engine Running Fuel Pressure Test, Heater Pump Control Relay, High Pressure Fuel System Test, Low Pressure Fuel Leakdown Test, MAF Sensor Contamination Test, Motor Electronics Coolant Pump
- **Instrument Cluster** - Voltmeter Pointer Placement Command
- **Others** - REMOTE FUNCTION ACTUATOR Passenger Door(s) Unlock

#### **Special test fixes/improvements:**

- 2006 Escape Hybrid ABS - fixed Would not perform ABS Bleed
- 2001 Expedition - fixed Could not reprogram keys

### ***General Motors / Saturn Coverage***

#### **26 new Adjustment type special tests including:**

- **Engine/PCM** - Ambient Air Temperature Calculation Reset, Oil Life Reset
- **Transmission** - Trans. Oil Life Reset
- **Brakes/ABS** - Automated Bleed, Automated Brake Bleed, Steering Wheel Angle Sensor Centering, Yaw Rate Sensor Recalibration
- **Tire Pressure Monitor/RCDLR** - Tire Pressure Sensor Registration, Tire Pressure Sensors Learn
- **Transfer Case** - Reset Clutch Overtemp Counter

- **Body Control** - Brake Pedal Position Sensor Calibration, CTD Operation, Door Lock Operation, Fob Feedback Preferences, Setup SDM Part Number In BCM
- **Others** – DIGITAL RADIO DRR Setup

**101 new Actuation type special tests including:**

- **Engine/PCM** - Auxiliary Coolant Pump Relay, Cylinder Power Balance, EGR Valve, EVAP Purge/Seal, Fuel Injector Balance, Fuel Pressure Control, Injector Enable/Disable
- **ABS/Parking Brake** - Disable Tim, Right Front Inlet Valve Solenoid
- **TPMS** - Tire Sensor Learn Information
- **Transfer Case** - Clutch Control, Clutch Coupling Request, Clutch Return
- **Climate/HVAC** - Blower Motor, Defrost Mode, Left Mix Motor, Mode Door Position, Right Mix Motor
- **Body Control** - Lamp and Buzzer/Warning tests, Headlight tests, Door Lock tests, Wiper/Washer tests
- **Seat** – MEMORY SEAT tests for Lumbar, Position and Recline

**Special test fixes/improvements:**

- 2013 Yukon XL 5.3L PCM – fixed no tests available
- 2013 Silverado 2500 6.6L PCM – fixed Reductant Heater tests not working properly
- 2012 Acadia 3.6L PCM – fixed Injector Balance test not working properly
- 2011 Traverse – fixed Passenger Presence Reset test not available
- 2010 Terrain 2.4L PCM – fixed Power Balance test not available
- 2009 Avalanche TRANSFER CASE – fixed Engage Front Axle test not working properly
- 2009 Vue 3.5/3.6L PCM – fixed Transmission Reset Adapts test not available
- 2008 Acadia 3.6L PCM - fixed EVAP tests not available
- 2008 CTS 3.6L PCM - fixed Idle Relearn test not available
- 2008 Suburban 5.3L PCM - fixed Fuel Composition test not available

**Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## ***New Coverage – USA Asian***

### ***Honda/Acura Coverage***

**8 new Adjustment type special tests including:**

- **Driver Assist** - Camera Aiming tests
- **Others** - Adaptive Cruise Control tests

**3 new Actuation type special tests including:**

- **Others** - INTEGRATED DRIVER ASSIST tests for ACC Indicator Light, ACC Relay, CMBS Brake

**Other fixes/improvements:**

- 2002 Civic ABS - fixed issue reading DTCs

## ***Hyundai Coverage***

### **19 new Adjustment type special tests including:**

- **Engine/PCM** - Auto Detected Configuration Reset, PCM Auto Detection Reset, Reset Adaptive Values, TEC learn, TPS Min Learnt Reset, VCM Learning, Write VIN
- **ABS** - Auto Detected Configuration Reset
- **Driver Assist** - Camera Aiming tests, BSD Radar Calibration

### **209 new Actuation type special tests including:**

- **Engine/PCM** – A/C Clutch and Compressor tests, Cam Phaser tests, EVAP tests, Change Oil Lamp, CKP CMP Signal Test, Cooling Fan tests, CVVT Test, ETC Motor, Fuel Pressure tests, Fuel Pump tests, Injector tests, Ignition Coil tests, O2 Sensor Heater tests, Oil Control Valve tests, Variable Intake Manifold tests
- **ABS/Brakes** - DBC/HAC Brake Lamp Relay, Electric Shuttle Valve, Inlet and Outlet Valve tests, Motor Test, TCS Valve tests
- **Electric Parking Brake** - Actuator Control Apply, Actuator Control Release, Lamp tests, Maintenance Mode Apply and Release tests
- **Others** - tests for PRESAFE SEAT BELT, ASSIST DOOR MODULE, SEAT LUMBAR BOLSTER, DRIVER DOOR MODULE

## ***Kia Coverage***

### **12 new Adjustment type special tests including:**

- **Engine/PCM** - Auto Detected Configuration Reset, PCM Auto Detection Reset, Reset Adaptive Values, TEC learn, VCM Learning, Write VIN
- **Driver Assist** - Camera Aiming tests

### **131 new Actuation type special tests including:**

- **Engine/PCM** – A/C Compressor tests, Cam Phaser tests, EVAP tests, Change Oil Lamp, CKP CMP Signal Test, Cooling Fan tests, CVVT Test, Cylinder Power Balance, ETC Motor, Fuel Pressure tests, Fuel Pump tests, Injector tests, Ignition Coil tests, O2 Sensor Heater tests, Oil Control Valve tests, Variable Intake Manifold tests
- **ABS/Brakes** - Inlet and Outlet Valve tests
- **Others** - tests for ASSIST DOOR MODULE, DRIVER DOOR MODULE

## ***Mazda Coverage***

### **5 new Adjustment type special tests including:**

- **Brakes/ABS** - Brake Fluid Replacement - Without Power Bleeder, Brake Pad Replacement, Brake System Actuation Control Unit Check, Brake System Air Bleed Check, Service Bleeding Including Brake Fluid Replacement

### **3 new Actuation type special tests including:**

- **Engine/PCM** - DC to DC Converter Enable, Heater Pump Control Relay, Motor Electronics Coolant Pump

### **Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## ***Mitsubishi Coverage***

### **3 new Adjustment type special tests including:**

- **TPMS** - Tire Pressure Sensor Registration
- **Instrument Cluster** - Maintenance Reset

### **Updated Diagnostic Information for the following:**

- Data Item Operating Ranges for 2015MY

## ***Nissan/Infiniti Coverage***

### **4 new Adjustment type special tests including:**

- **TPMS** - Tire Pressure Sensor Registration
- **Body** - Automatic Lock Setting, Door Lock/Unlock Setting, Room Lamp Timer Setting

### **46 new Actuation type special tests including:**

- **AWD/Transfer Case** – Left Solenoid, Right Solenoid
- **ABS/Brakes** - DAB Indicator Light, ECB Solenoid tests, Pre Crash Brake OFF Light, TPMS Warning Light
- **Suspension** – Active Trace Control Display tests, Brake Actuator tests, Master Warning Active
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests

### **Special test fixes/improvements:**

- 2008 Sentra TPMS - fixed TPMS Relearn not working properly

### **Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## ***Subaru Coverage***

### **1 new Adjustment type special tests including:**

- **TPMS** - Tire Pressure Sensor Registration

### **6 new Actuation type special tests including:**

- **Engine/PCM** - Activate the Starter Cut Relay, Fuel Pump Duty Control
- **Transmission** - Activate the Starter Cut Relay, Fuel Pump Duty Control
- **ABS** - ABS Solenoid, Sport Mode Lamp
- **Instrument Cluster/Meter** - VSC Indicator Lamp
- **Climate (HVAC)** - Inside and Outside Change

## ***Toyota/Lexus Coverage***

### **207 new Actuation type special tests including:**

- **Engine/PCM** – EGR tests, Fuel Pump tests, Fuel Pressure tests, ISC Step Position
- **ABS** – Lamp tests, ABS Solenoid, ECB Solenoid tests, Signal Check
- **Instrument Cluster** - Lamp tests, Buzzer tests
- **Climate (HVAC)** - Air Purifier Mode, Assist Fan, Batt Cool Down Servo Targ Pls, Inside and Outside Change
- **Suspension** - RR Solenoid 1, Signal Check, Stabilizer Check
- **Body Control** - Lamp and Buzzer/Warning tests, Mirror tests
- **Doors** - Door Lock/Unlock tests, Window tests, Mirror tests
- **Others** – SMART KEY tests

**Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## ***New Coverage – USA European***

### ***Audi Coverage***

- New coverage for 2014-2015MY vehicles and systems
- Expanded coverage for UDS protocol systems 2008-2013
- Added coverage for 1,319 new systems
- Added coverage for 5,839 new vehicle-ecu combinations

**59 new Adjustment type special tests including:**

- **Engine/PCM** - Boost Pressure Actuator Basic Adjustment, Camshaft Timing Control (B1) Inlet, Compressor Control Flap Basic Setting, Intake Camshaft Adjustment Bank 1, Lambda Sensor Ageing tests, Prime Fuel Pump, Throttle Valve Basic Setting
- **ABS/Brakes** - Brake Pad Replacement Step 1, Brake Pad Replacement Step 2, EMF Opening Mode Adjustment
- **AWD/Transfer Case** - Reset Adaption Value
- **Climate Control/HVAC** - Air Quality Sensor Adjustment, Auxiliary Heating Configuration Without CAN, Auxiliary Heating Continued Heating Time Setting, Basic Setting, Compressor Run-In Time Adaption, Front And Rear Control Motor Basic Settings, Front Left Seat Heating Memory Function Setting, Front Right Seat Heating Memory Function Setting, Reset All Counters, Write Configuration
- **Steering** - Reset Adaptation Parameters
- **Others** – PARK ASSIST Tone/Acoustic tests, Parking Aid Deactivation Speed, Write Configuration

**1,214 new Actuation type special tests including:**

- **Engine/PCM** - Actuator For Camshaft Adjustment, Air Condition Compressor Activation, All Radiator Cooling Fans, Camshaft Pos Actuator tests, Charge Motion Valve tests, Compression Test, Coolant tests, ECM/PCM Power Relay, EGR tests, EVAP tests, Fan Control tests, Fuel Injector tests, Fuel Pressure Regulator tests, Fuel Pump Relay, Gearbox Coolant Valve, Glow Plug Control Module 1, Idle Speed Adjustment, Injector tests, Oil Pressure Valve, SCR Heating tests, Secondary Air Injection tests, Turbo Charger Control Valve, Wastegate Solenoid
- **Hybrid** - Charging Connector A and B tests, Coolant Pump Control HV Battery, Cooling Valve 1 High Voltage Battery

- **Transmission** – Gear oil cooling valve, Open converter clutch, Shift Lock, Lock Solenoids for selector lever, Parking Lock Solenoid Test, Shift Lock Actuator Transversal Test, Shift Lock Solenoid Test
- **ABS/Brakes** – Lamp tests, ABS Return Pump Actuation, Attaching brake pads, Hydraulic Pump, Inlet and Outlet Valve tests, Parking brake motors, Wheel Speed Sensor Supply
- **Transfer Case** - Haldex Transmission Activation, Front Axle Torque Request Test
- **Suspension** - Accumulator Pressure Test, Compressor Relay, Damper tests, Lower Vehicle tests, Pressure Build-Up, Pressure Reduction
- **Instrument Cluster** - Lamp tests, Buzzer tests, Segment Test
- **Climate (HVAC)** - Air Condition Compressor Activation, Air Conditioner Performance Test, Flap Door tests, EMC mode flap control motors test, Seat Heater tests, Positioning Motor tests, Segment test
- **Body** – Lamp/Light tests, Window tests, Mirror tests, Door Lock tests
- **Doors** - Door Lock/Unlock tests, Window tests, Mirror tests
- **Others** – tests for ADAPTIVE CRUISE CONTROL, MULTICONTOUR SEAT, HEADLIGHT REGULATION, ACC/START AUTH (05), AMPLIFIER MODULE, RADIO (56), CAN GATEWAY (19), ELECTRONIC ROOF CONTROL

**Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## ***BMW/Mini Coverage***

**4 new Adjustment type special tests including:**

- **ABS/Brakes** – PARKING BRAKE Installation Mode Activate and Deactivate, Installation Mode
- **Climate (HVAC)** - Calibrate Stepper Motors
- **Other** – TAILGATE LIFT Activate/deactivate Transportation Mode

**62 new Actuation type special tests including:**

- **Engine/PCM** - Fuel Injector Off Test, VVT Tests
- **Climate (HVAC)** – AC Control Panel Button tests, Activate Compressor Clutch, Control the blower, Flap Motor tests, Illumination tests, Seat Heater Button tests

## ***Land Rover Coverage***

**1 new Actuation type special tests including:**

- **Body Control** - Passenger Door(s) Unlock

**Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## ***Mercedes Benz***

- New coverage for 2015MY vehicles and systems
- Added coverage for 535 new systems
- Added coverage for 4,642 new vehicle-ecu combinations

**15 new Adjustment type special tests including:**

- **Engine/PCM** - Actuation Of Mixture Adaptation, ECU Reset
- **Transmission** - ECU Reset
- **ABS/Brakes** - ECU Reset, Reset Steering Angle Calibration
- **Safety/Airbag** - ECU Reset
- **Suspension** - ECU Reset
- **Others** – DOOR CONTROL Adjust Mirror tests, ECU Reset

**112 new Actuation type special tests including:**

- **Engine/PCM** - Charge Air Cooler - Circulation Pump, Fuel Injector tests, Fuel Pump, Heating System Shutoff
- **ABS/Brake** – BAS Brake Assist Test, Solenoid Valve tests, Power Steering Solenoid Valve Test
- **Instrument Cluster** - Lamp tests, Buzzer tests, Segment Test
- **Climate (HVAC)** - Blower Motor
- **Suspension** - Central Accumulator Valve, Compressor Relay, Damping Valve tests, Raise / Lower Suspension tests, Single Amplifiers Drain Valve
- **Body Control** - Lamp and Buzzer/Warning tests
- **Doors** - Door Lock/Unlock tests, Window tests, Mirror tests
- **Others** – tests for PARKTRONIC, ELEC SEAT ADJ FR, BATTERY SENSOR, SYSTEM DIAGNOSIS

**Special test fixes/improvements:**

- 2007 ML350 DOOR/WINDOW - fixed Window Open/Close tests do not work properly
- 2007 ML350 DOOR/WINDOW - fixed No test available to perform de-normalization

**Other fixes/improvements:**

- 2002 C320 AIRBAG - fixed communication issues

**Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

## **Smart**

**1 new Adjustment type special tests including:**

- **Safety/Airbag** - ECU Reset

## **Volkswagen Coverage**

- New coverage for 2014-2015MY vehicles and systems
- Expanded coverage for UDS protocol systems 2008-2013
- Added coverage for 1,024 new systems
- Added coverage for 1,410 new vehicle-ecu combinations

**49 new Adjustment type special tests including:**

- **Engine/PCM** - Lambda Sensor Ageing tests, Prime Fuel Pump, Throttle Valve Basic Setting
- **ABS/Brakes** - Brake Pad Replacement Step 1, Brake Pad Replacement Step 2
- **AWD/Transfer Case** - Reset Adaption Value

- **Climate Control/HVAC** - Air Quality Sensor Adjustment, Auxiliary Heating Configuration Without CAN, Auxiliary Heating Continued Heating Time Setting, Basic Setting, Compressor Run-In Time Adaption, Front And Rear Control Motor Basic Settings, Front Left Seat Heating Memory Function Setting, Front Right Seat Heating Memory Function Setting, Reset All Counters, Write Configuration
- **Steering** - Reset Adaptation Parameters
- **Others** – PARK ASSIST Tone/Acoustic tests, Parking Aid Deactivation Speed, Write Configuration

**501 new Actuation type special tests including:**

- **Engine/PCM** - Air Condition Compressor Activation, Camshaft Pos Actuator tests, Charge Motion Valve tests, Compression Test, Coolant tests, ECM/PCM Power Relay, EGR tests, EVAP tests, Fan Control tests, Fuel Injector tests, Fuel Pressure Regulator tests, Fuel Pump Relay, Gearbox Coolant Valve, Glow Plug Control Module 1, Injector tests, Oil Pressure Valve, SCR Heating tests, Secondary Air Injection tests, Turbo Charger Control Valve, Wastegate Solenoid
- **Hybrid** - Coolant Pump Control HV Battery, Cooling Valve 1 High Voltage Battery, Fan Control tests
- **Transmission** – Gear oil cooling valve, Open converter clutch, Shift Lock, Lock Solenoids for selector lever, Parking Lock Solenoid Test, Shift Lock Actuator Transversal Test, Shift Lock Solenoid Test
- **ABS/Brakes** – Lamp tests, Hydraulic Pump, Parking Brake tests
- **Transfer Case** - Haldex Transmission Activation
- **Suspension** - Damper tests, Pressure Reduction
- **Instrument Cluster** - Lamp tests, Buzzer tests, Segment Test
- **Climate (HVAC)** - Air Condition Compressor Activation, Air Conditioner Performance Test, Flap Door tests, EMC mode flap control motors test, Seat Heater tests, Positioning Motor tests, Segment test
- **Body** – Lamp/Light tests, Window tests, Mirror tests, Door Lock tests
- **Doors** - Door Lock/Unlock tests, Window tests, Mirror tests
- **Others** – tests for ADAPTIVE CRUISE CONTROL, HEADLIGHT REGULATION, ACC/START AUTH (05), AMPLIFIER MODULE, RADIO (56), CAN GATEWAY (19), ELECTRONIC ROOF CONTROL

**Other fixes/improvements:**

- 2004 Jetta RADIO - fixed issues reading DTCs

**Updated Diagnostic Information for the following:**

- TPMS Quick Reference information

***Thank you for your patronage!***

## Release Notes

### Version 2.9.0.21

#### Overview:

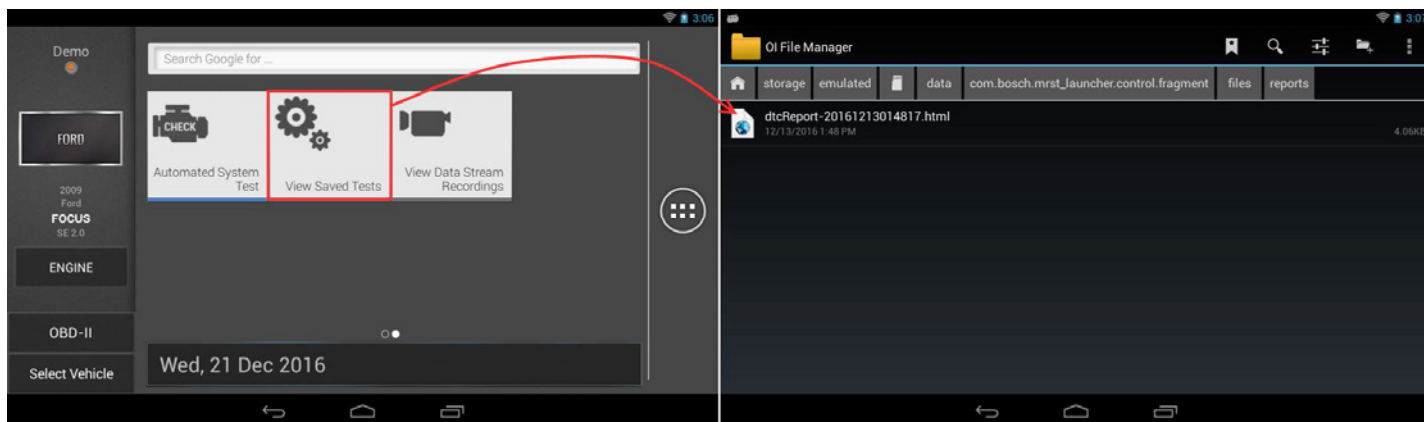
**The new version 2.9.0.21 contains major software improvements. Also provided are selected highlights of new features, fixed issues reported by technicians, and other improvements. You may notice many more in the software that are just too numerous to identify individually. Many thanks for the useful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

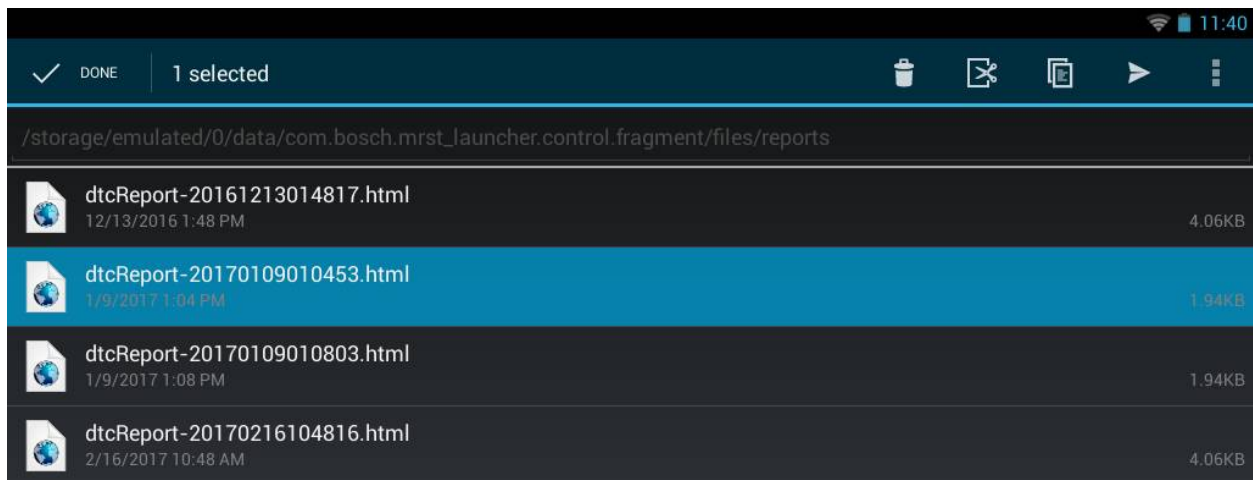
## New Features

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

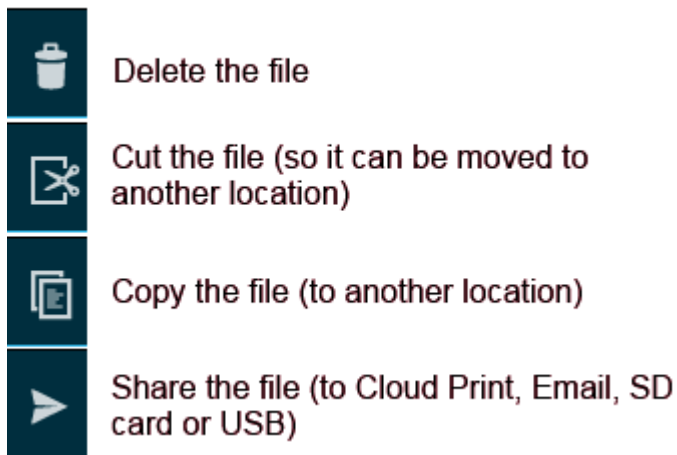


*Tips and Tricks:* Sharing and editing previously saved reports

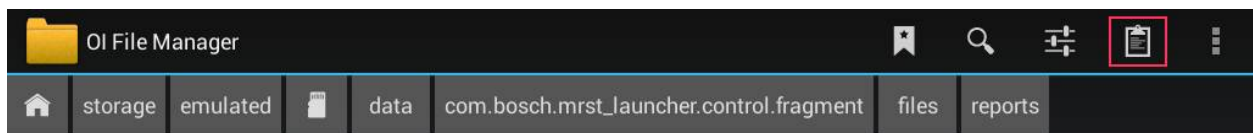
- After launching “View Saved Tests”, from OI File Manager, you can long press on any file to bring up the Edit and Share menu:



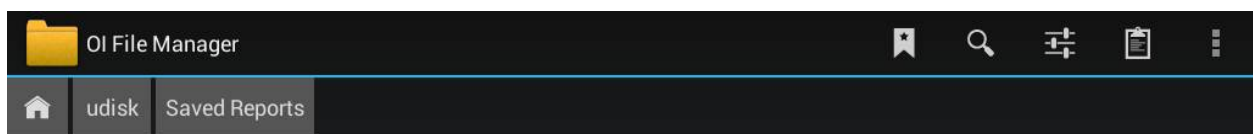
- From here, you can do one of the following options:



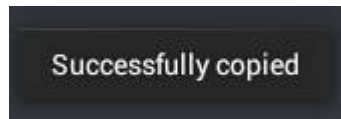
- o To “Copy” or “Cut” the selected file, tap on the “Copy” or “Cut” option and then notice that the “Paste” option will become available:



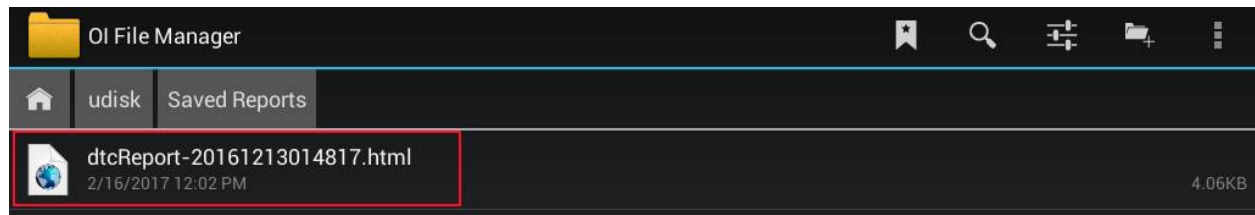
- o Navigate to the location you want to paste the file to, for example a “Saved Reports” folder on your USB stick:



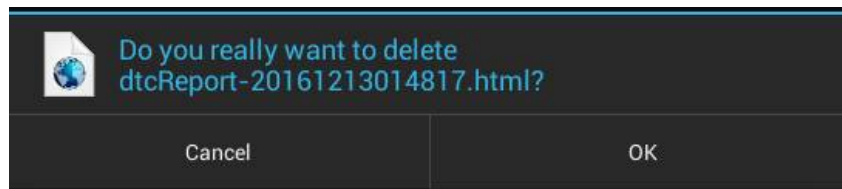
- o Then tap on the “Paste” option. When successfully copied, the toast will appear at the bottom:



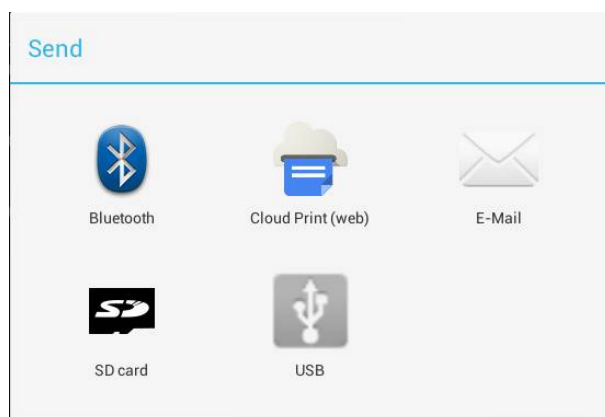
And your file will now be copied or moved:



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



- o 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.



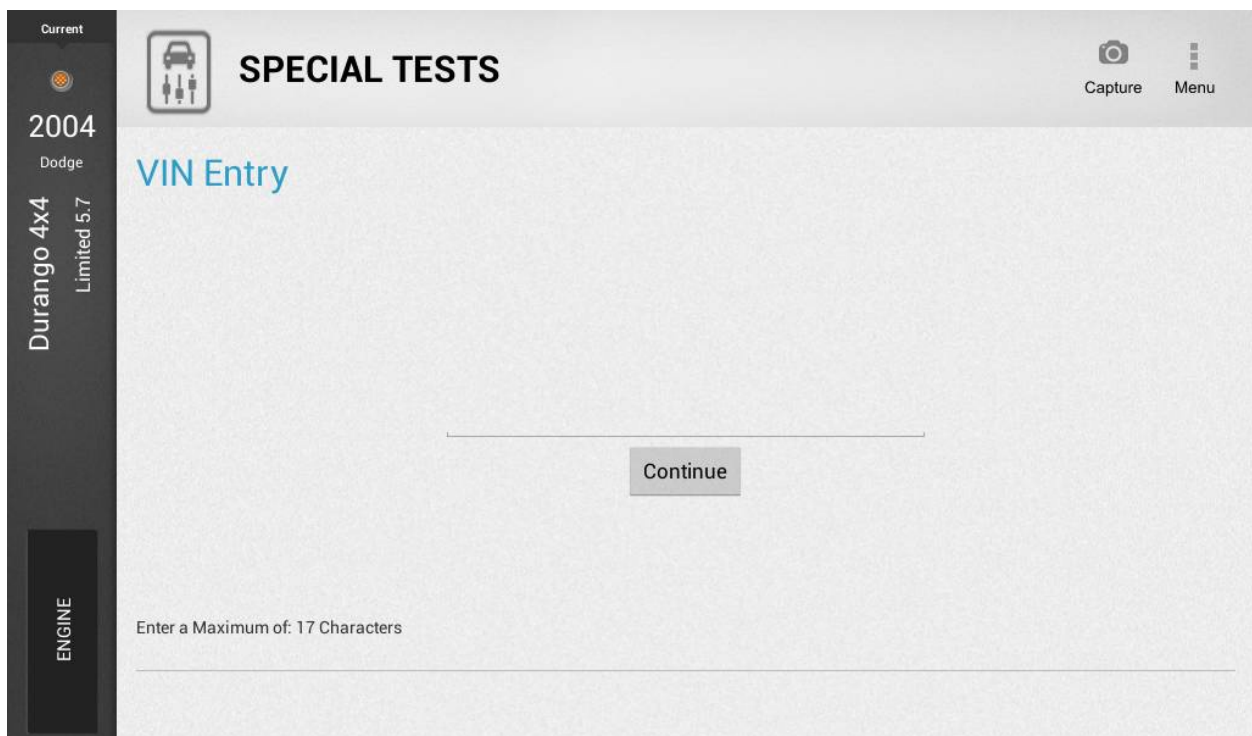
## ***Diagnostic Trouble Codes***

## ***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.



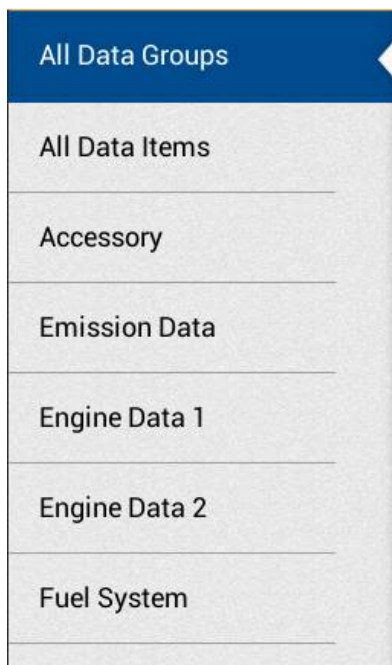
The screenshot shows a diagnostic tool interface. On the left is a vertical sidebar with the following text: 'Current' at the top, followed by a car icon, '2004', 'Dodge', 'Durango 4x4', 'Limited 5.7', and 'ENGINE' at the bottom. The main area has a header with a car icon and 'SPECIAL TESTS'. Below this is the title 'VIN Entry' in blue. A large text input field is centered, with a 'Continue' button below it. At the bottom of the input field, it says 'Enter a Maximum of: 17 Characters'. In the top right corner, there are icons for 'Capture' (a camera) and 'Menu' (three vertical lines).

- **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:**

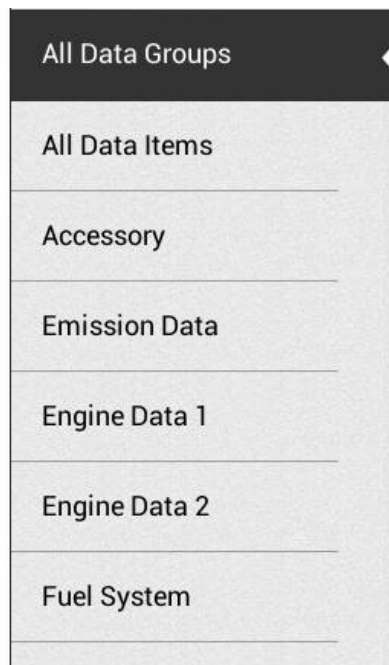


- **Consolidation of Color Themes in certain areas of the tool can be seen.**
  - o The selected background for all left-navigation lists will be changed from blue to black:

*Before*



*After*

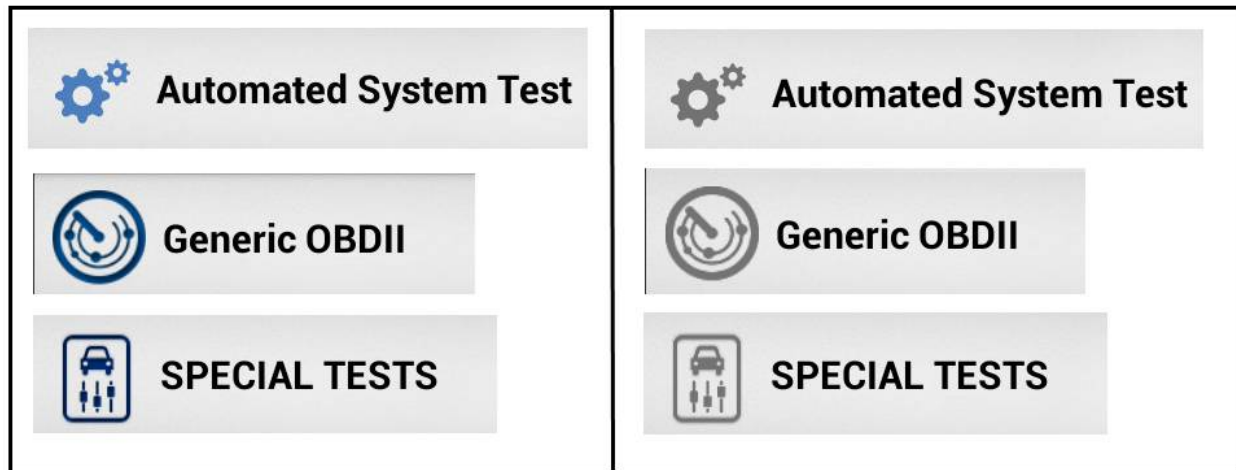


- o The following icons on the header bars will be updated to grey to be more consistent with other icons in tool.
  - Automated System Test

- Generic OBDII / Global OBDII
- Special Tests

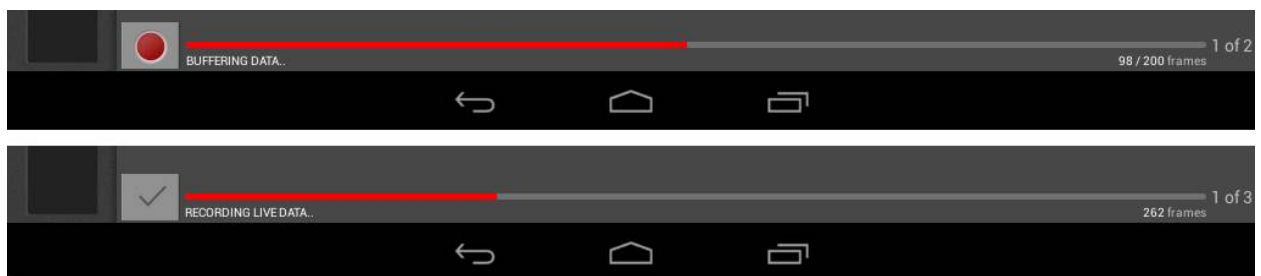
*Before*

*After*



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

*Before*



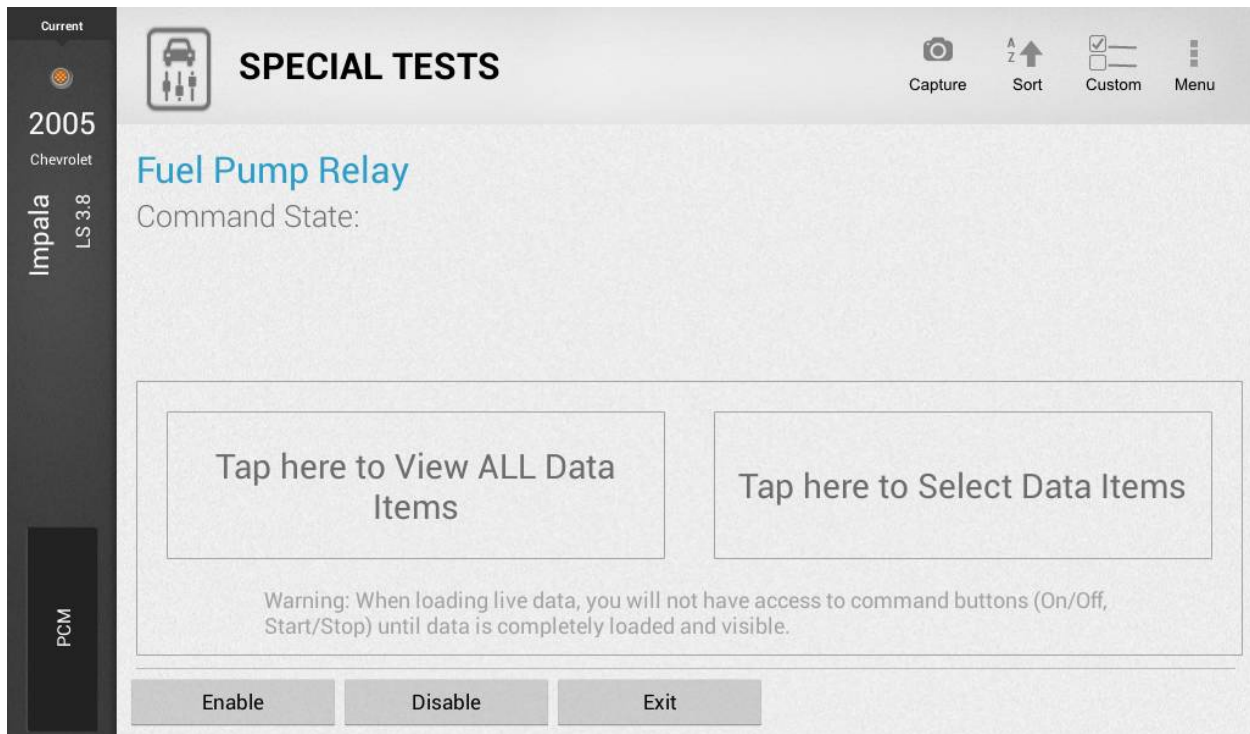
Log

*After*



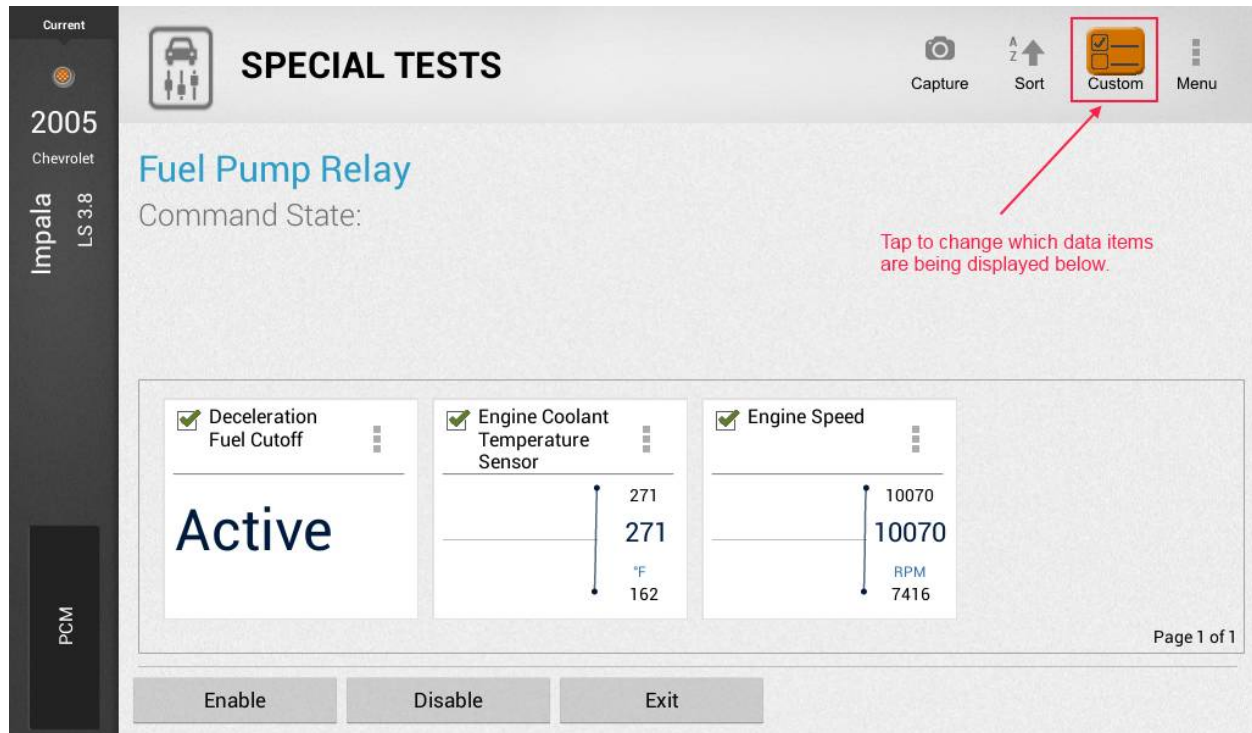
### ❖ Custom Data Stream in; Special Tests

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.

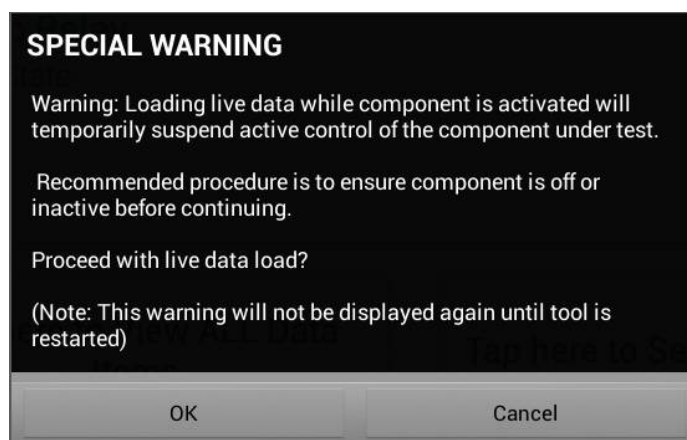


- To load all of the available Data Items select: “Tap here to View ALL Data Items”
- To select which Data Items to view on screen select: “Tap here to Select Data Items”
  - o This will load the Custom Data Item selection box giving you the opportunity to pick which Data Items to load:

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

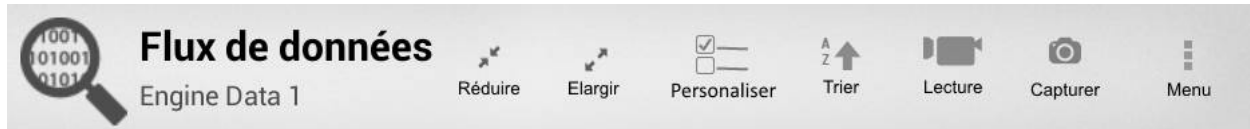
Icon text descriptions are now available on all Header bars in the tool in Spanish and French.

## 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

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

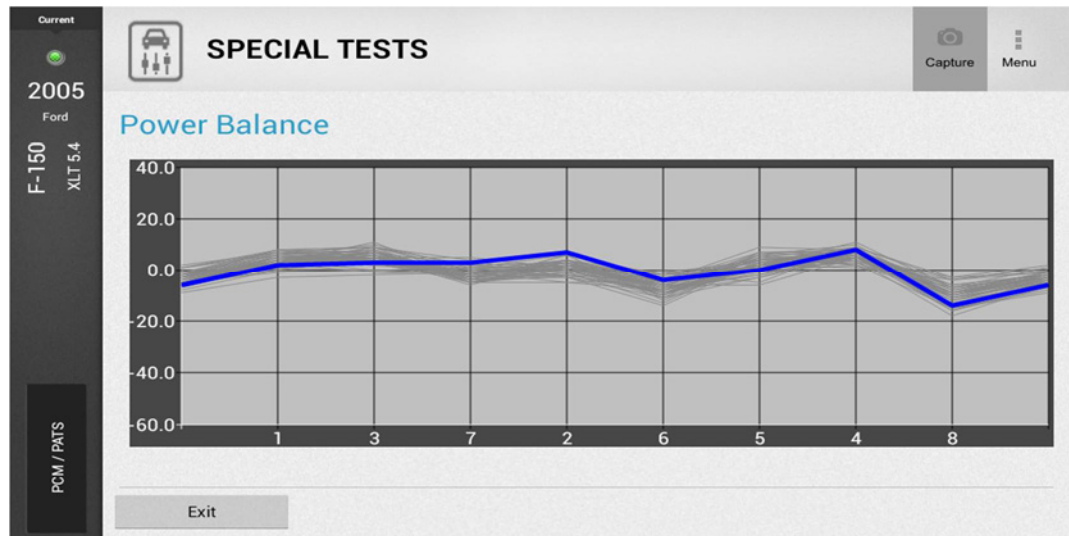
#### **Updated Diagnostic Information for the following:**

- 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

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



- o MAF Sensor Contamination Test

The screenshot shows the 'SPECIAL TESTS' menu with 'MAF Sensor Contamination Test' selected. The vehicle information on the left is '2005 Ford F-150 XLT 5.4'. The test description explains that a contaminated MAF sensor can cause a rich condition and negative LTFT values. A note specifies that for dual-bank engines, both LTFT-B1 and LTFT-B2 must be shifted negative together. 'Continue' and 'Abort' buttons are at the bottom.

**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.

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

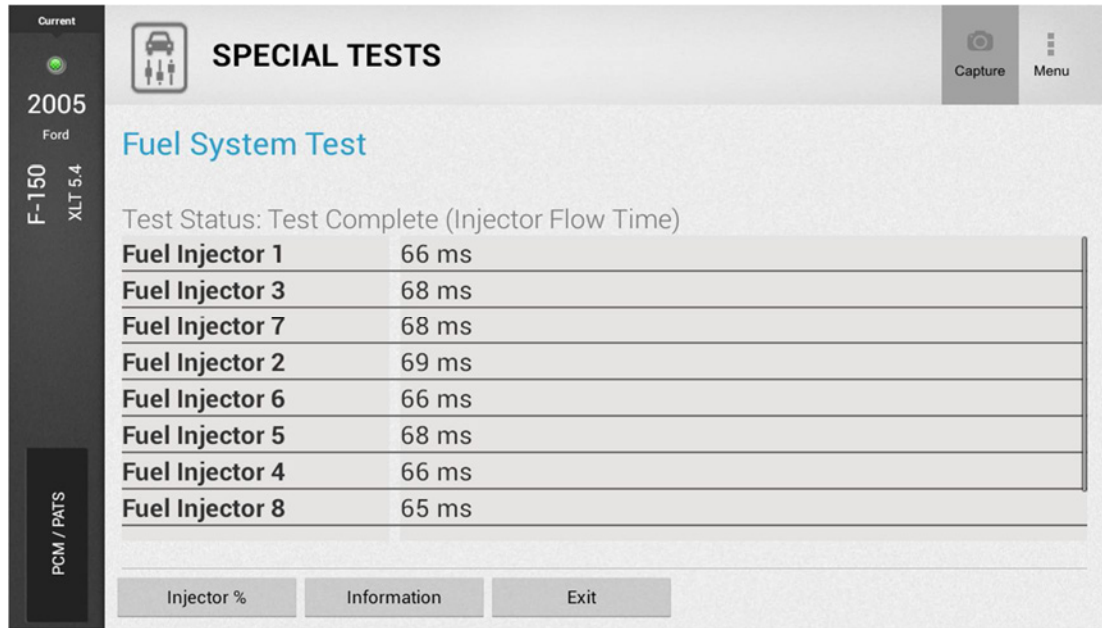
Menu

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



### 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:**

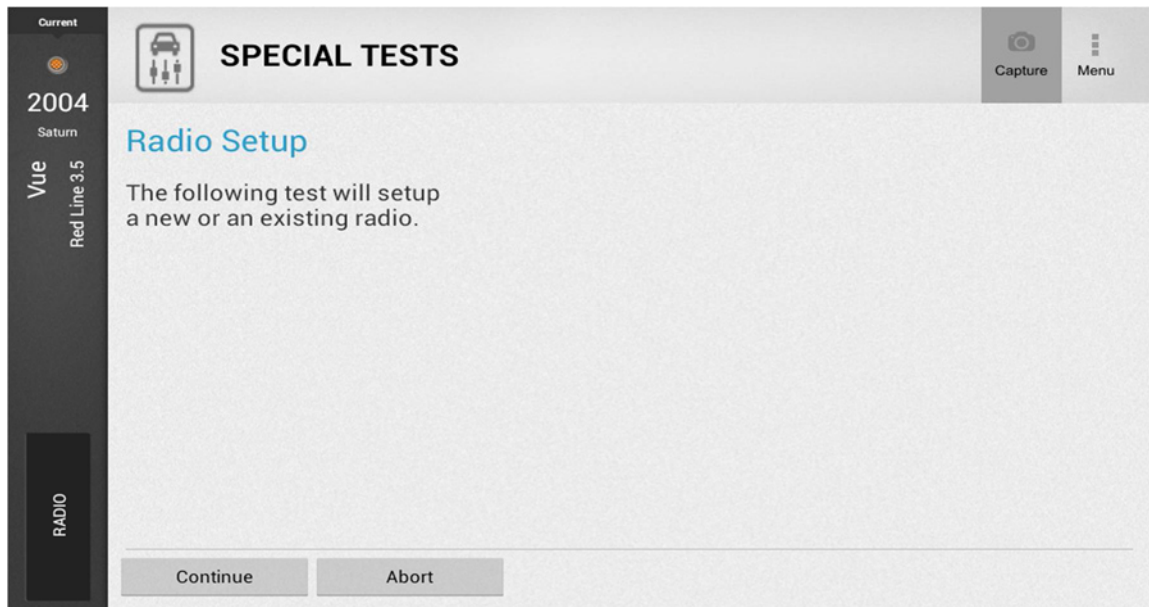
- **Engine/PCM** - A/C Clutch, A/C Relay, Air Pump, AIR Service Bay Test, Air System, APM Set Point Control, Canister Purge Solenoid, Intake and Exhaust CMP Actuator tests, Cylinder Deactivation System, Cylinder Power Balance, EGR Solenoid, EGR Valve Motor Cleaning, Engine Speed Control, EVAP Purge Solenoid, 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

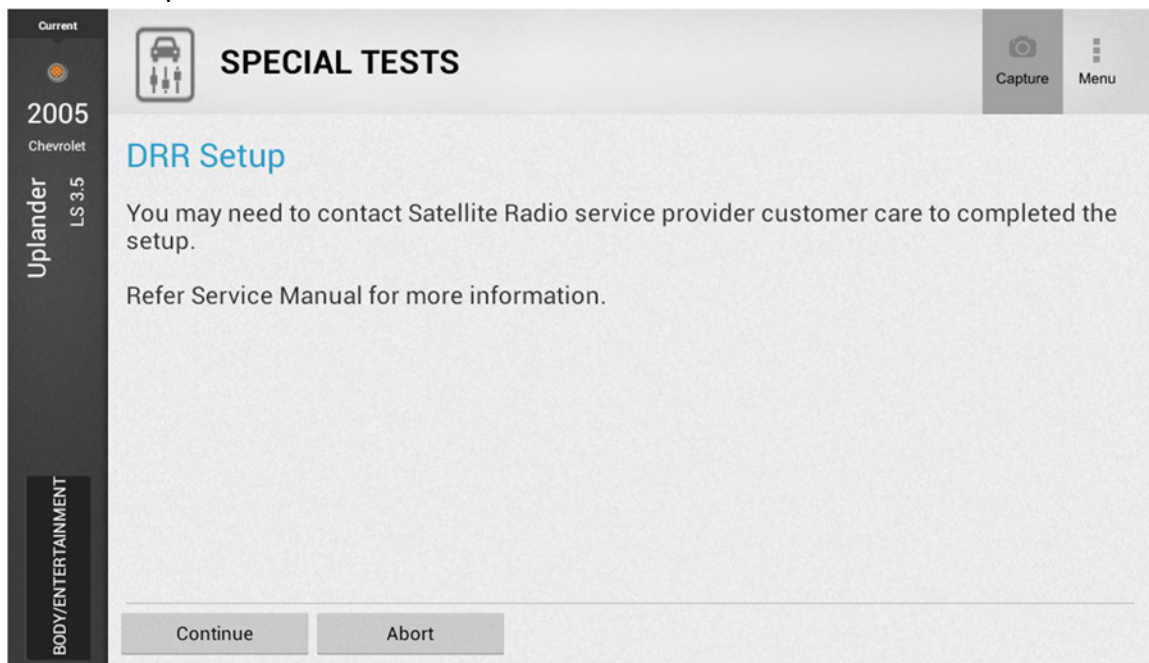
**Special test fixes/improvements:**

- 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

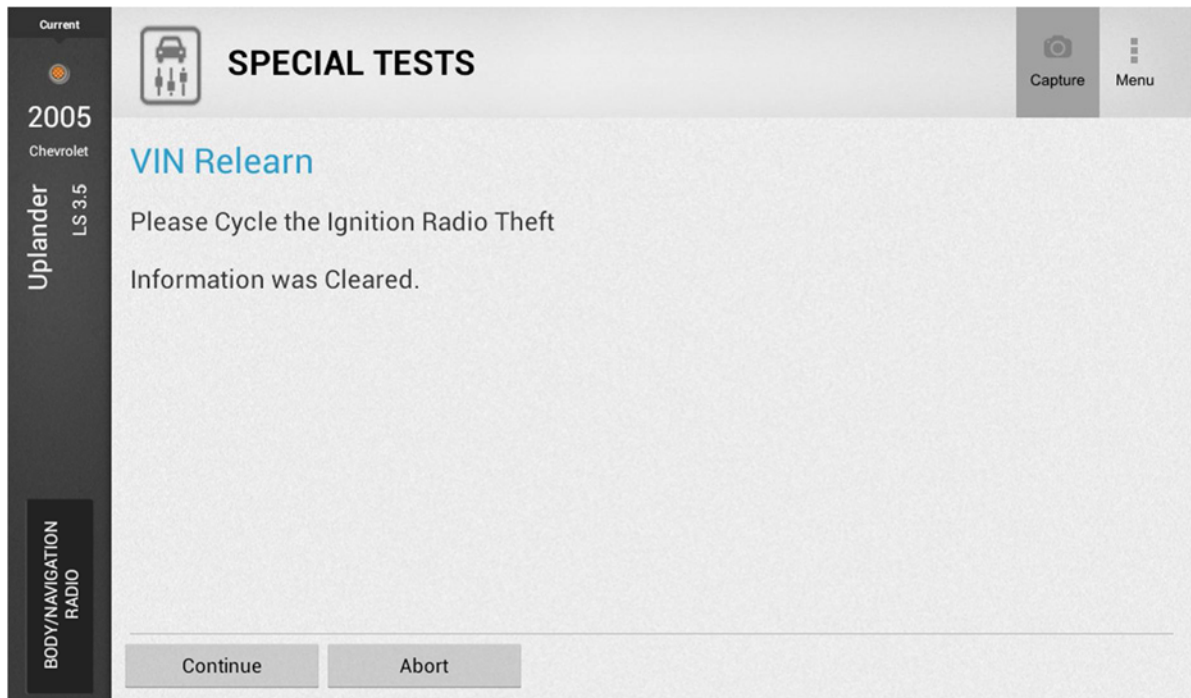
- o Radio Setup



o DRR Setup



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:**

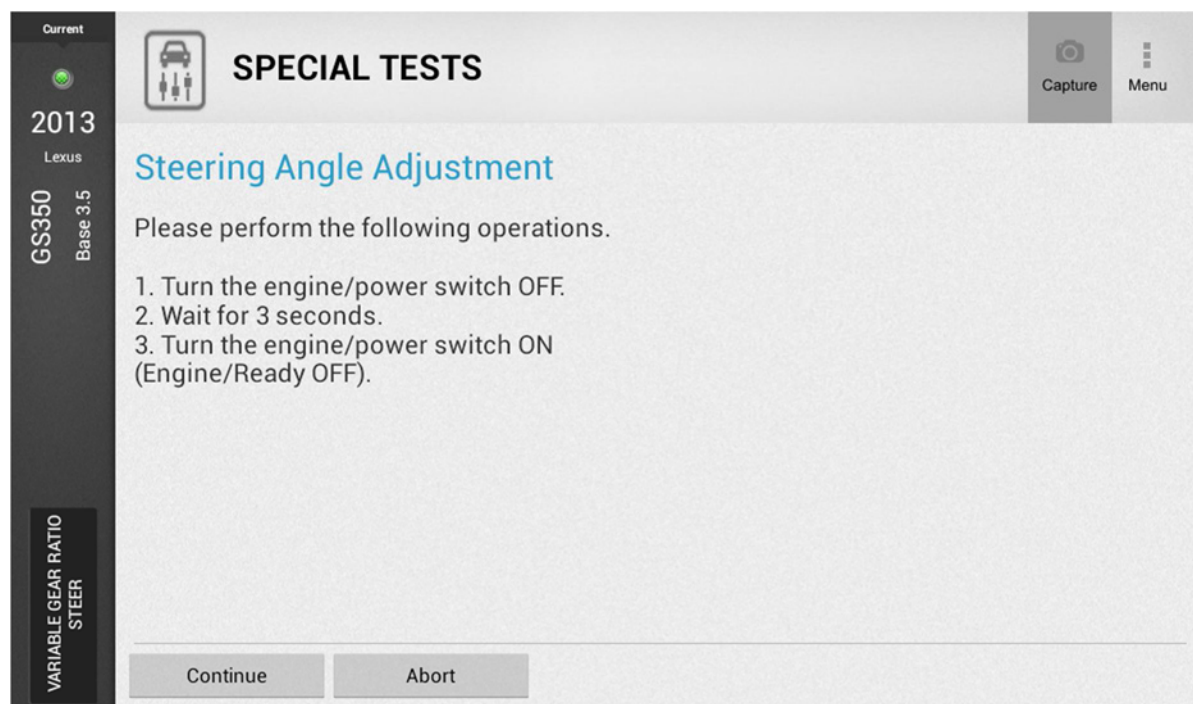
- **Body Control** - Off Delay Time, Passive Alarm, Power rear gate setting, Security Alarm Set, TPMS Setting

## 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

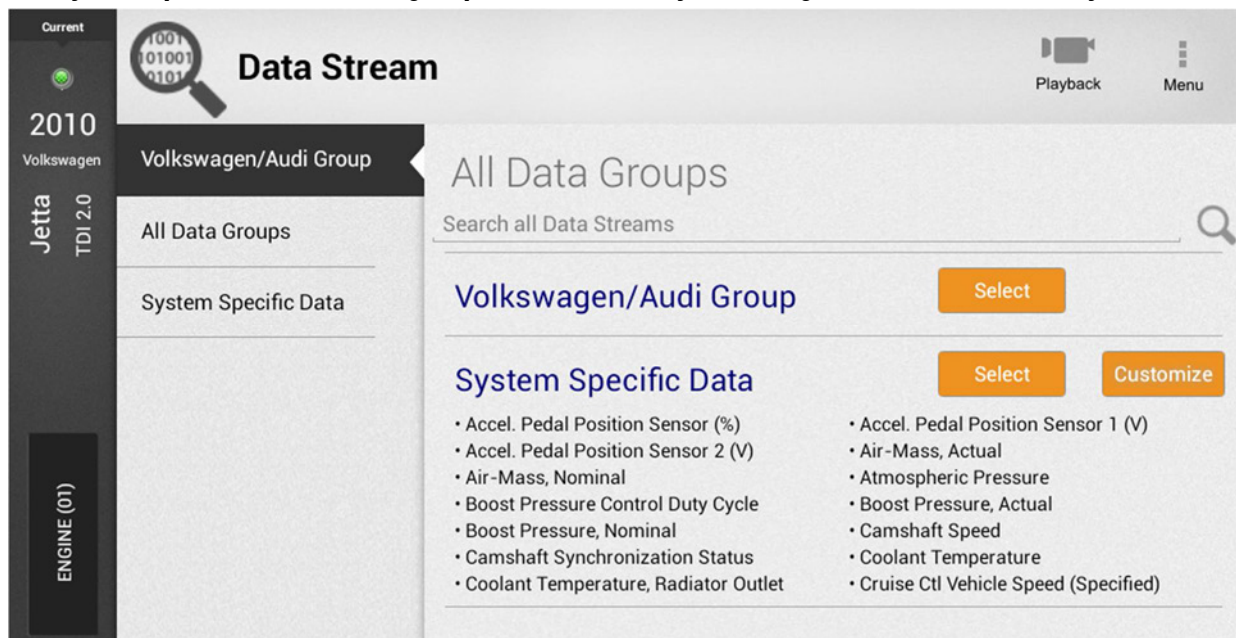
## Smart Coverage

#### Updated Diagnostic Information for the following:

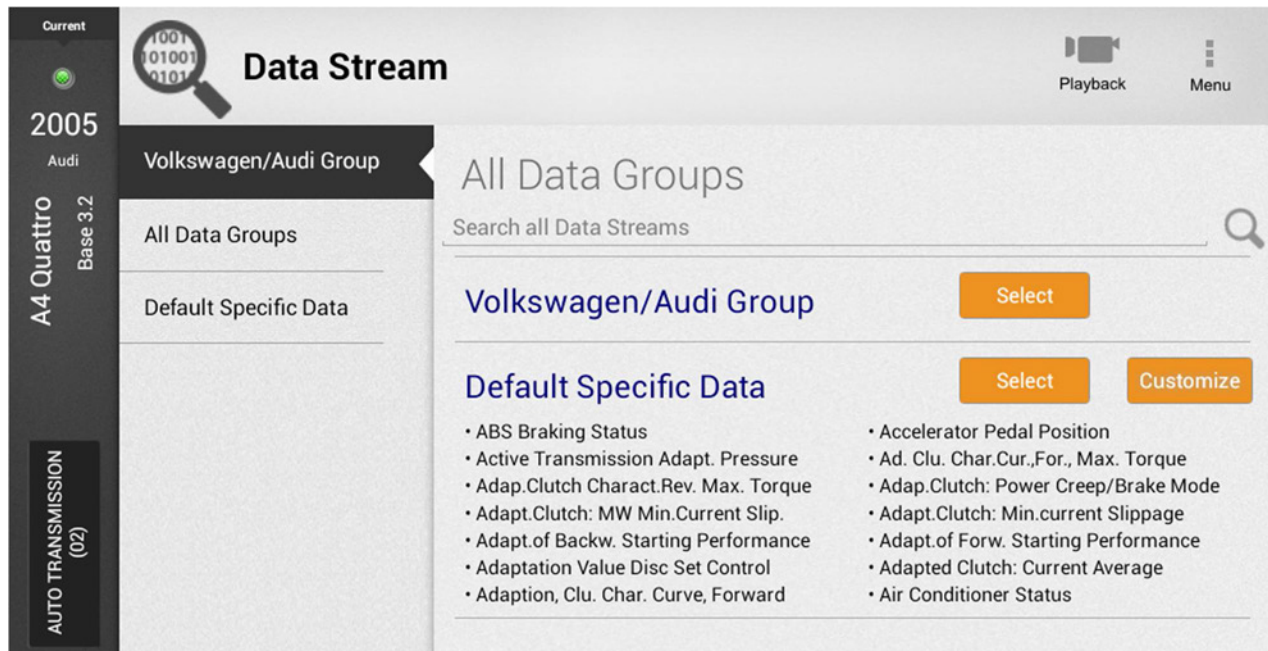
- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

## 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

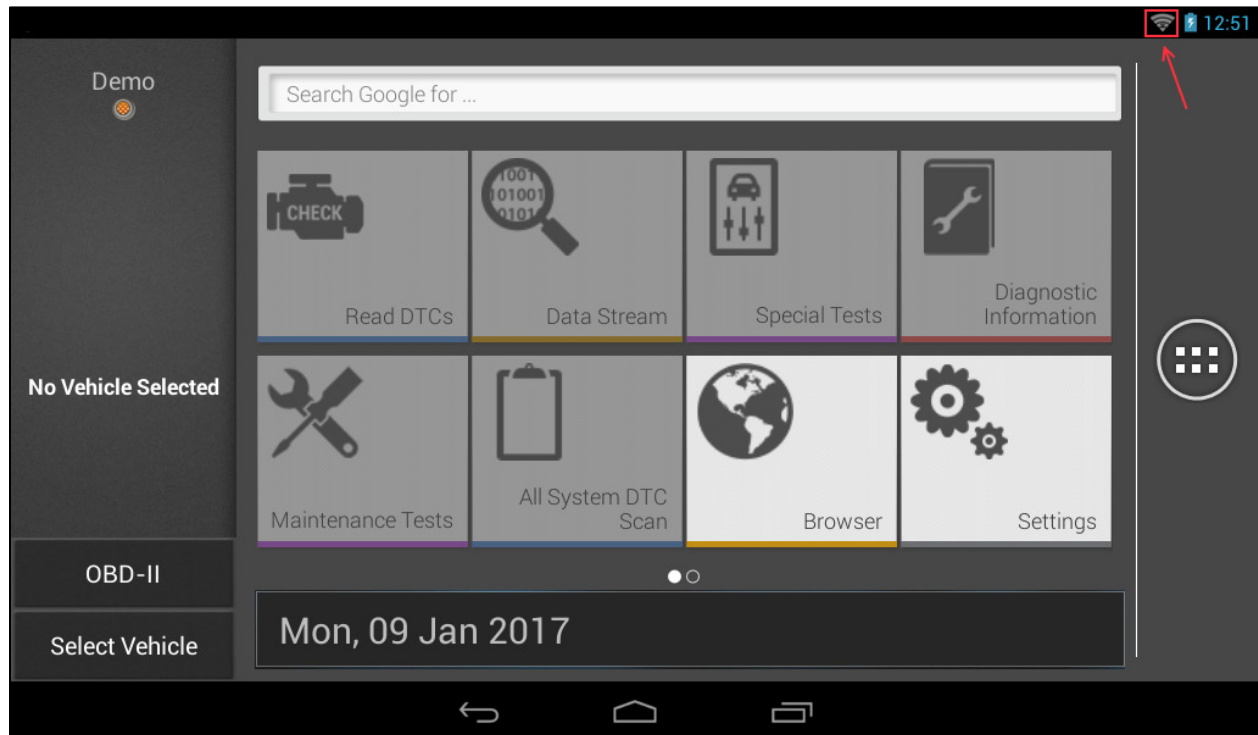
#### 42 new Actuation type special tests including:

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

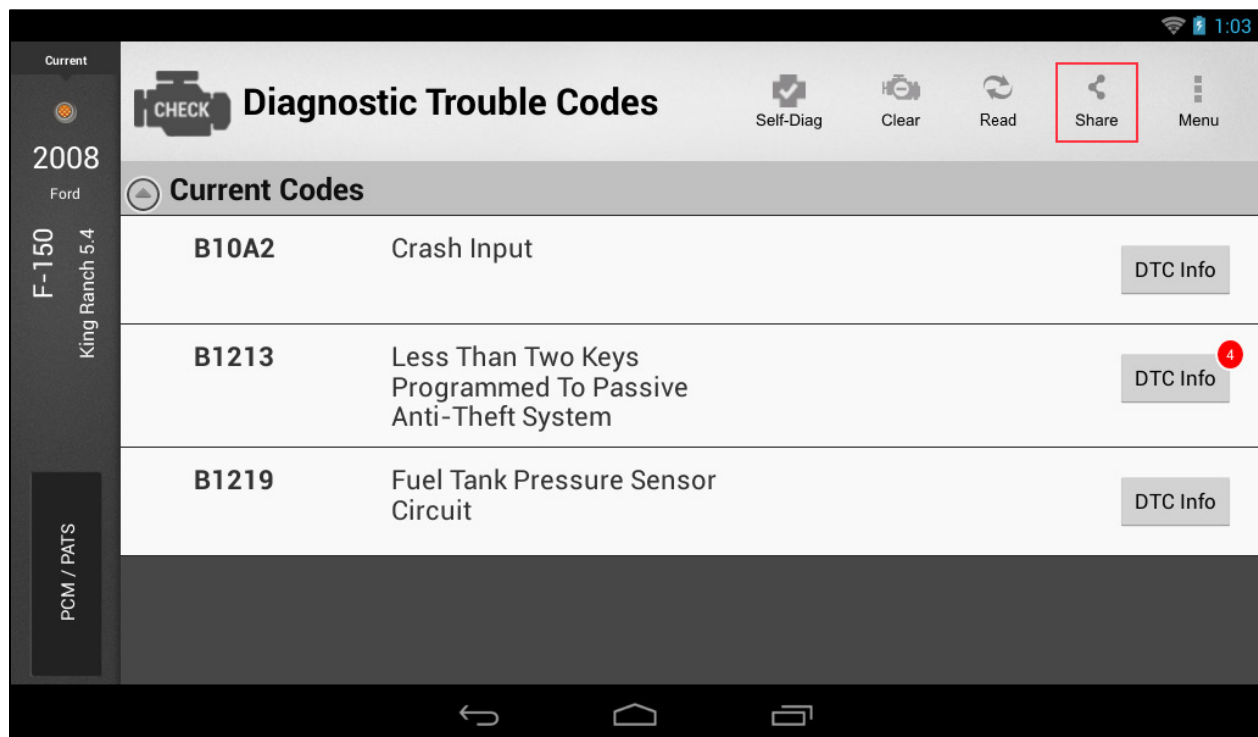
***Thank you for your patronage!***

## To use Google Cloud Print from Encore/Evolve

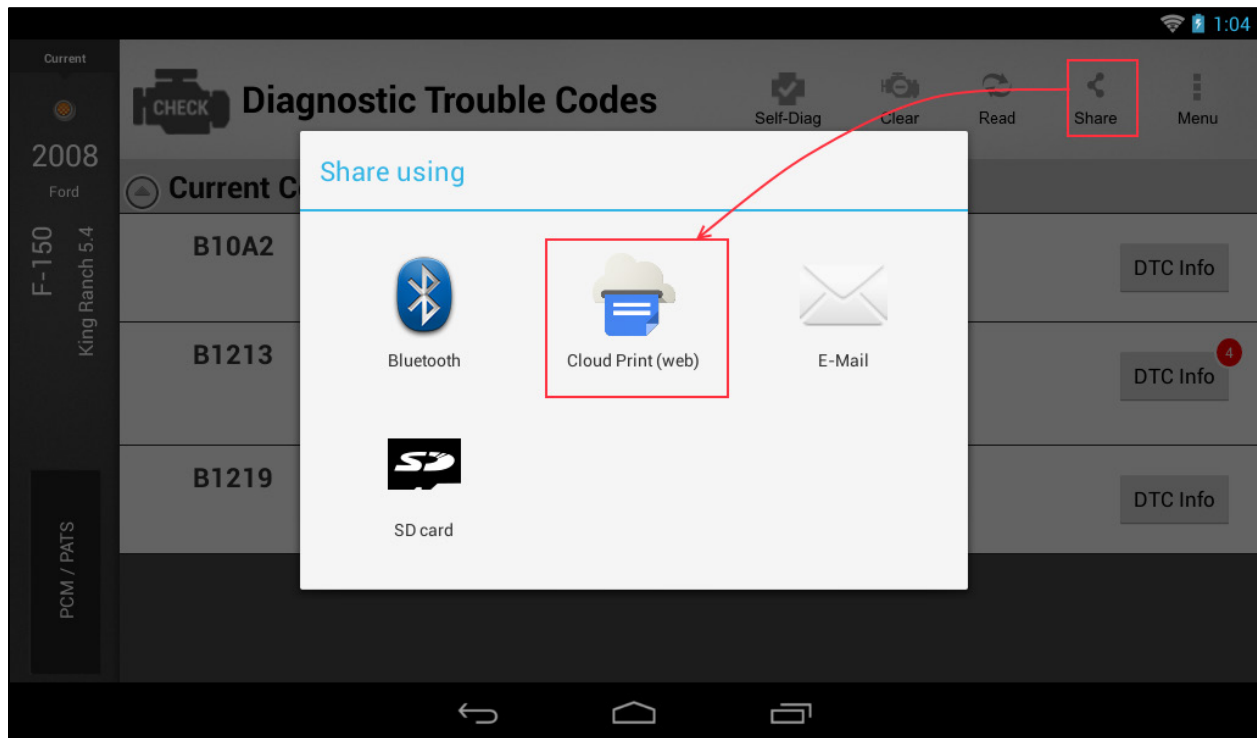
1. Ensure device is connected to internet and that network has unrestricted access to Google services.



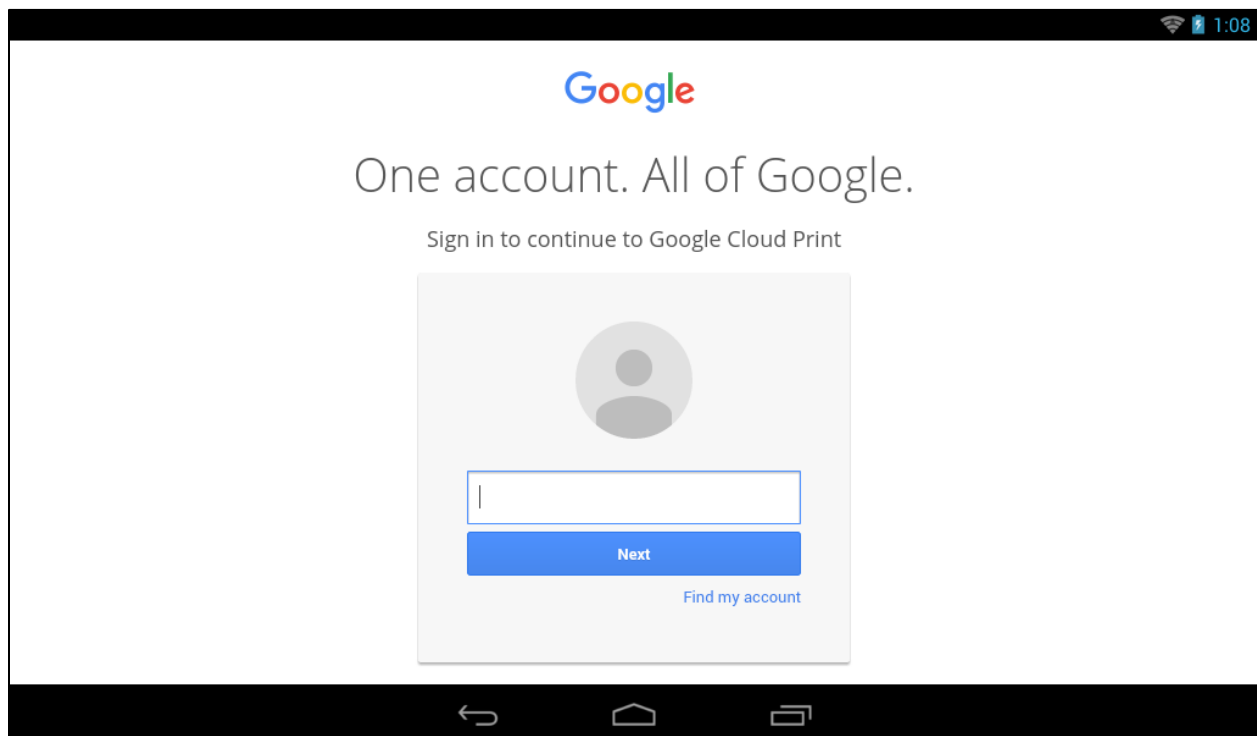
2. Connect to a vehicle and access the Diagnostics Report that you want to Print (currently available from **Read DTCs**, **All System DTC Scan** or **Automated System Test**) and locate the “Share” option:



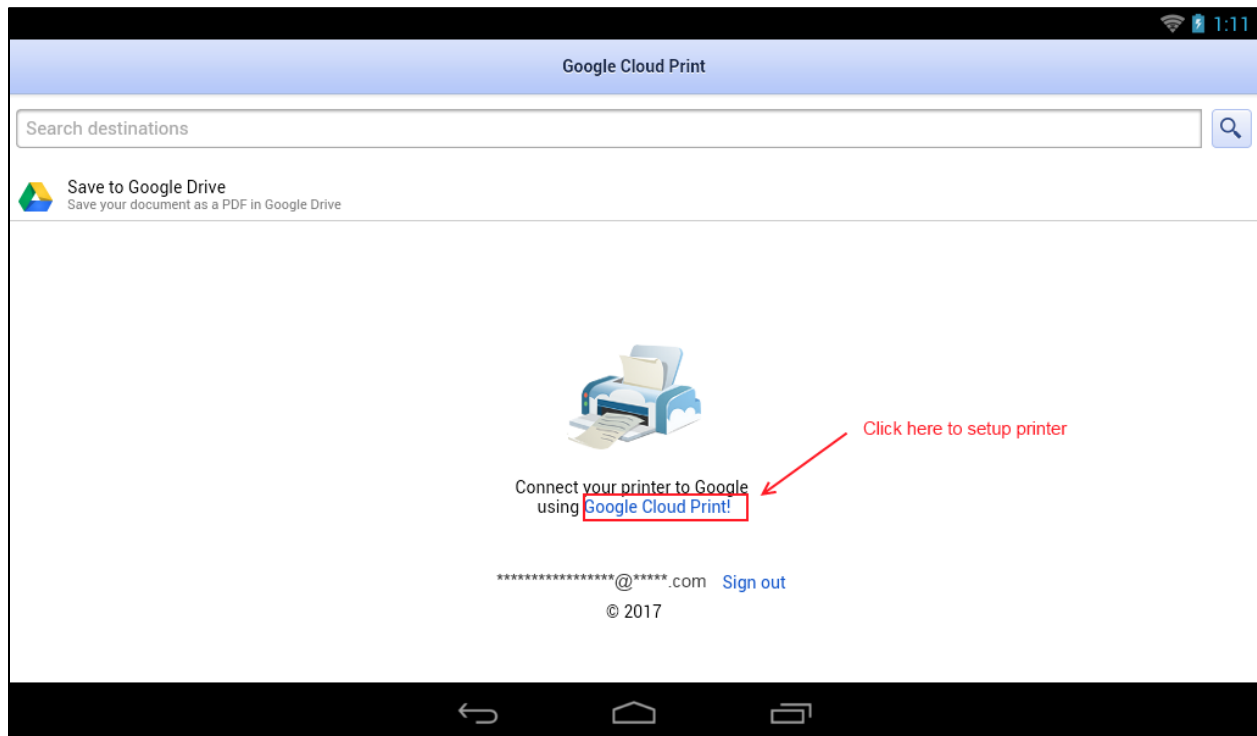
3. Select the Share option and then select Cloud Print (web):



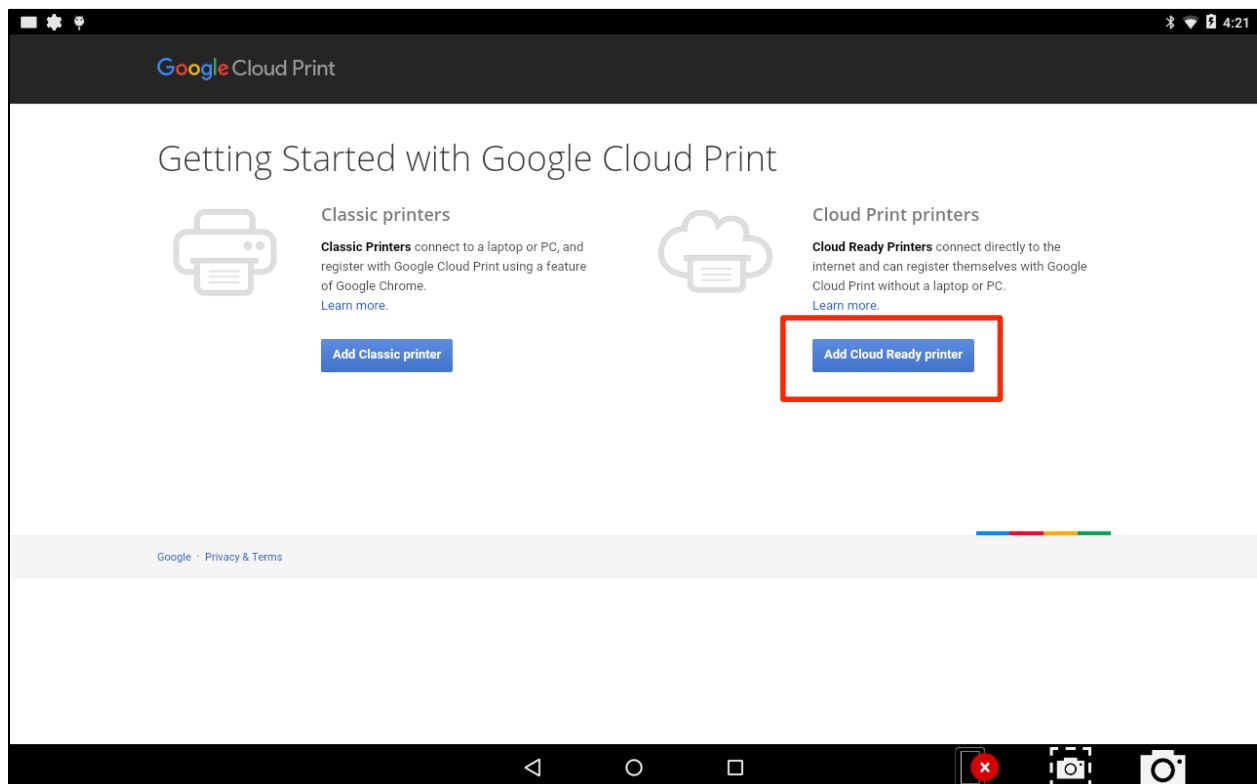
4. You will be redirected to the Google Sign In page:



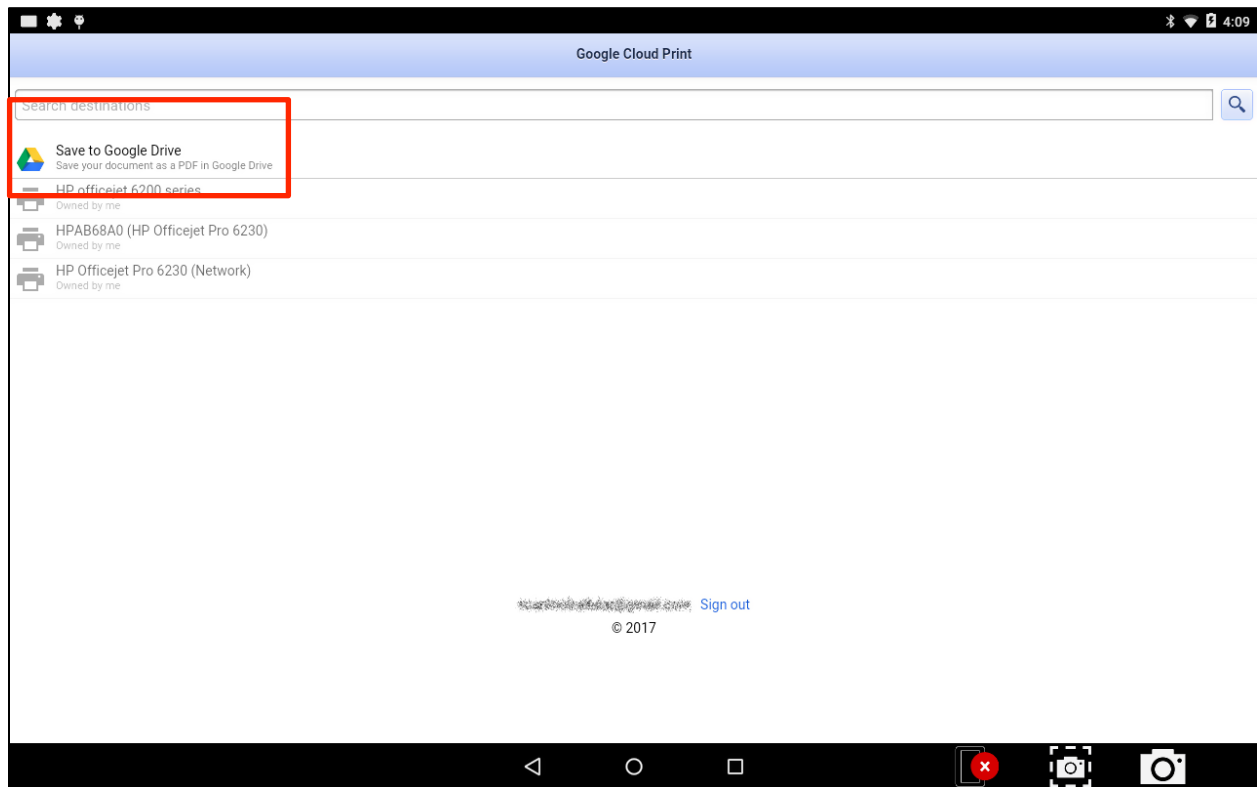
5. Once logged in, you will be redirected to the default Google Cloud Print page which manages all of your printers:



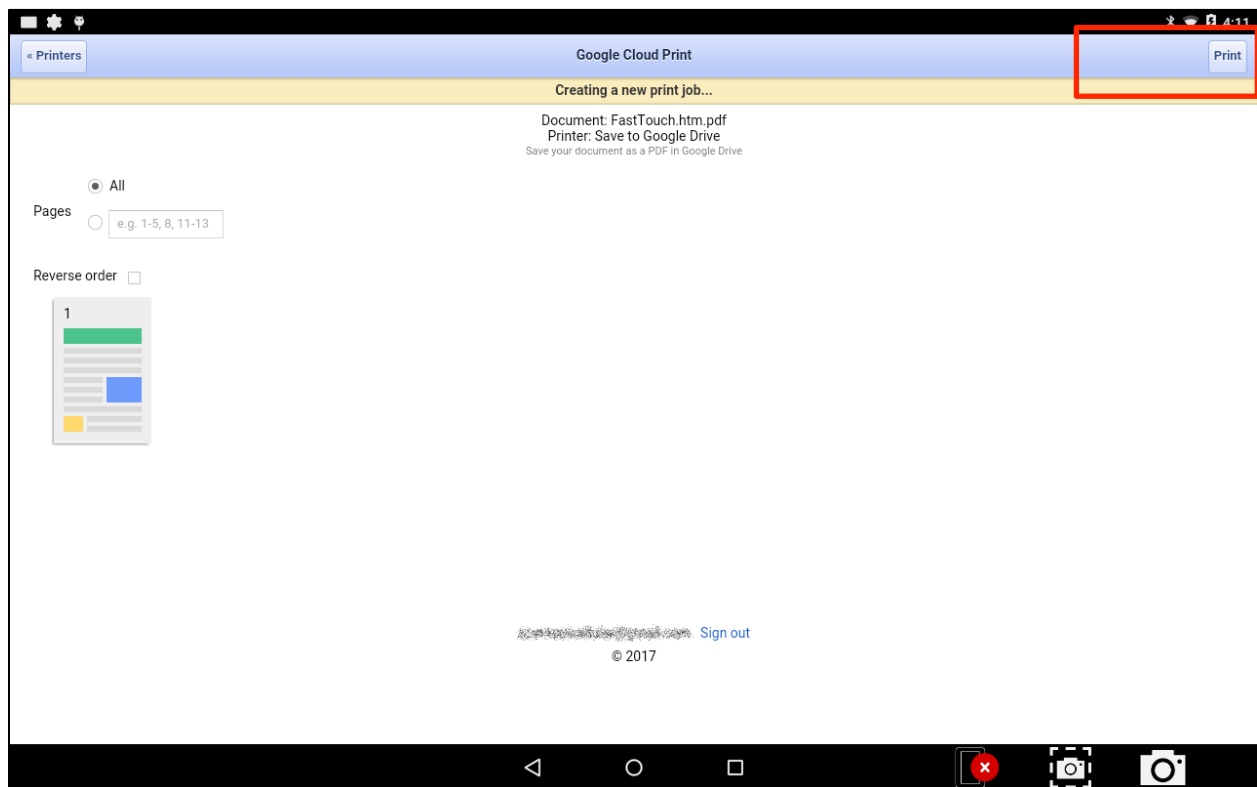
6. Select "Cloud Ready Printers"



7. Select "Save to Google Drive", or a previously setup Cloud Print printer



8. Select print



# Release Notes

## Version 2.8.0.15

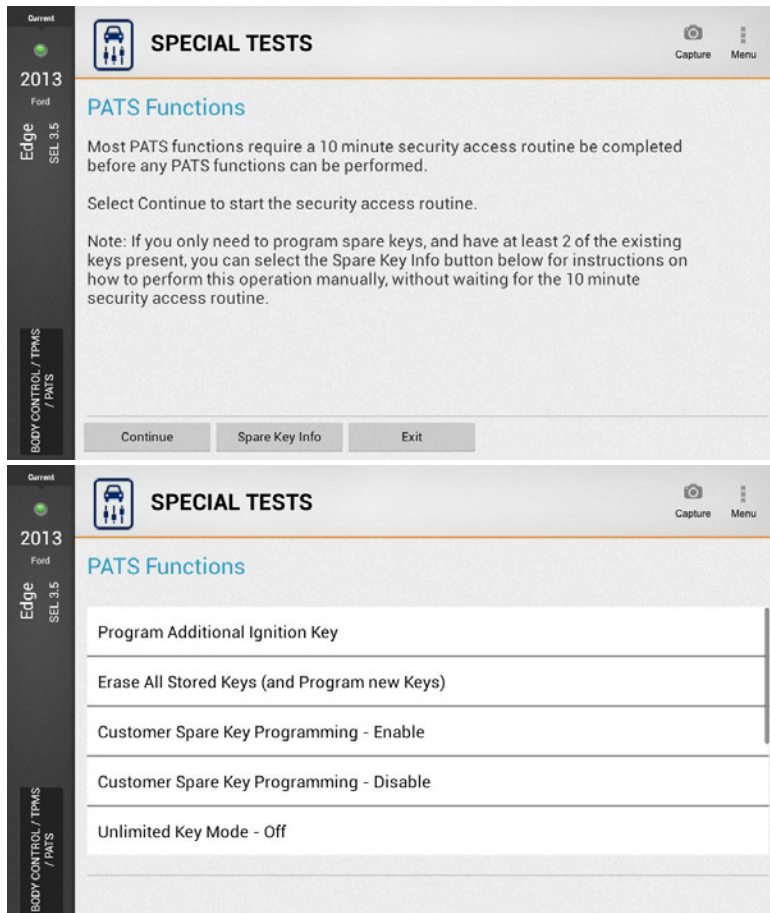
### Overview:

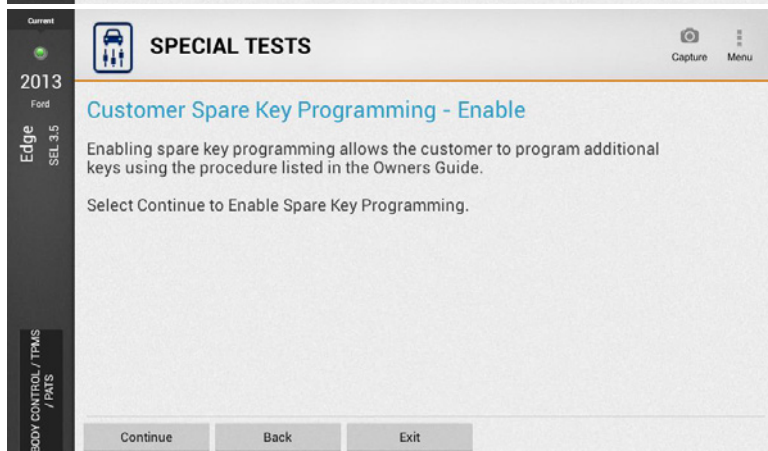
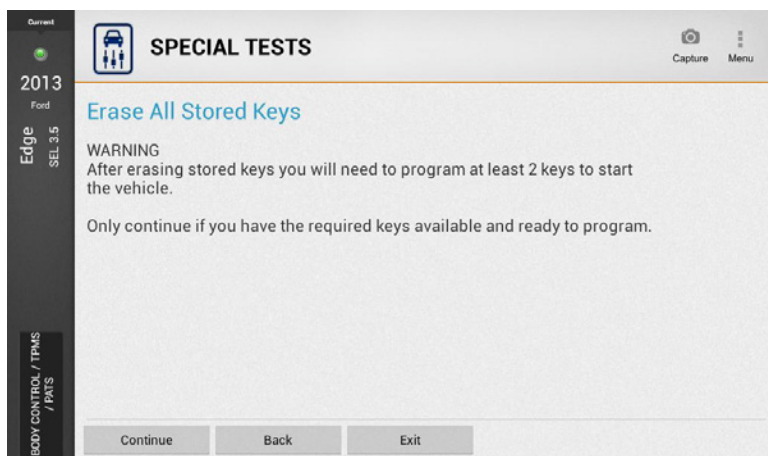
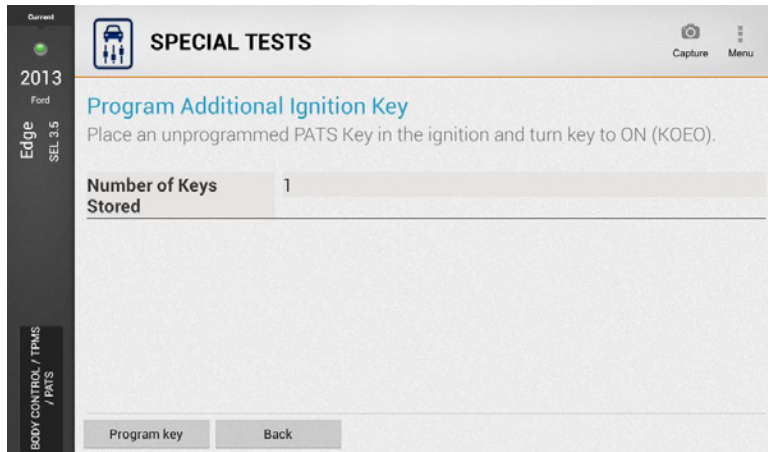
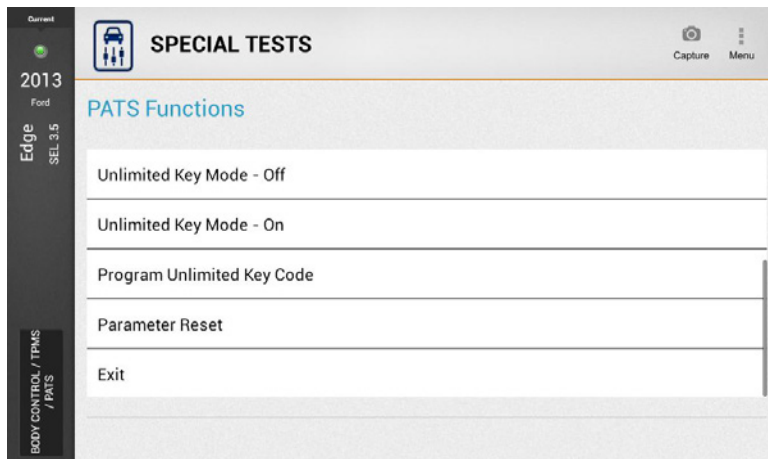
The new version 2.8.0.15 contains major software improvements. Also provided are selected highlights of new features, fixed issues reported by technicians, and other improvements. You may notice many more in the software that are just too numerous to identify individually. Many thanks for the useful feedback we are receiving. More coverage and enhancements on the way!

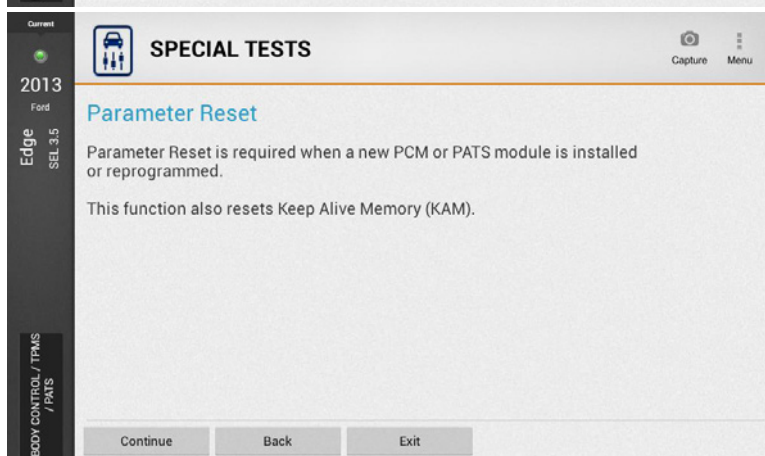
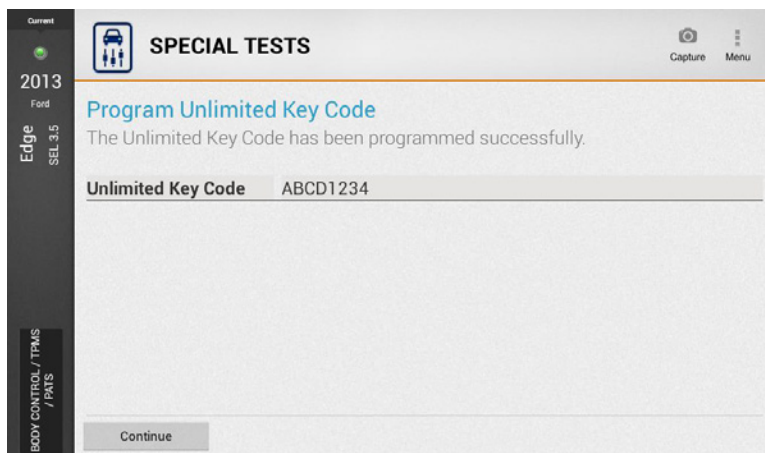
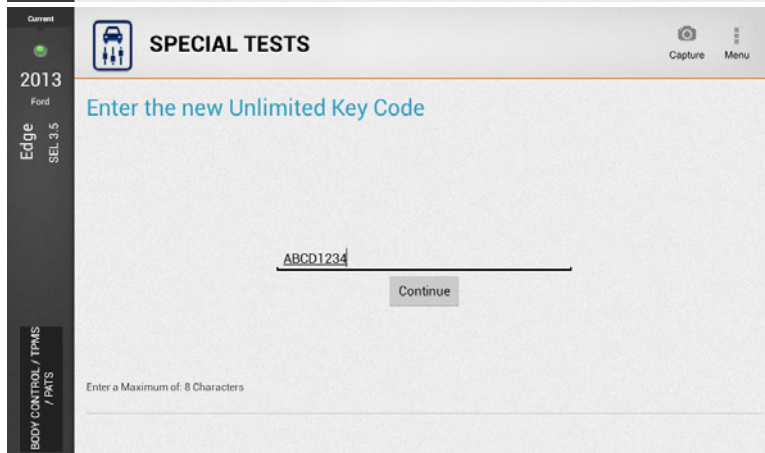
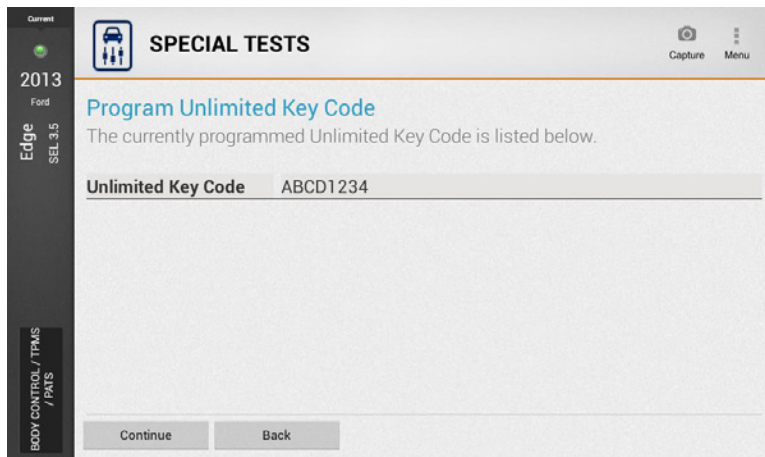
### Coverage Improvement Highlights:

#### Ford –

- PATS Programming

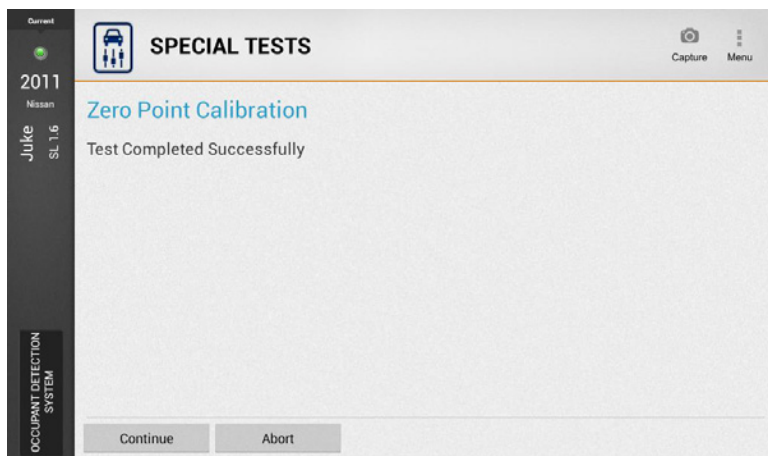
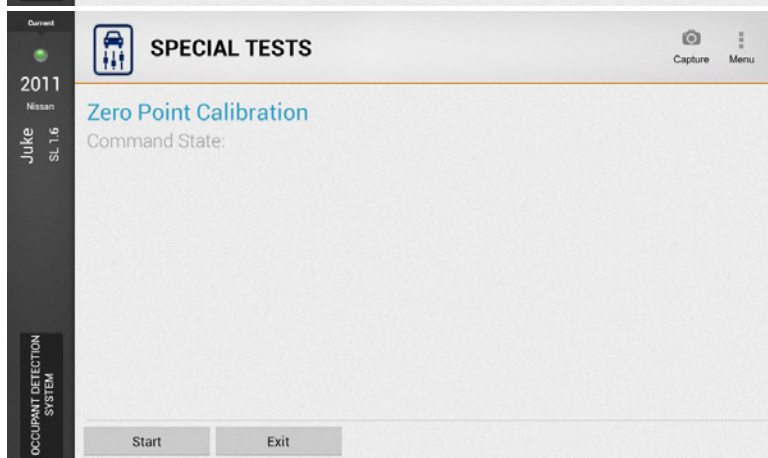
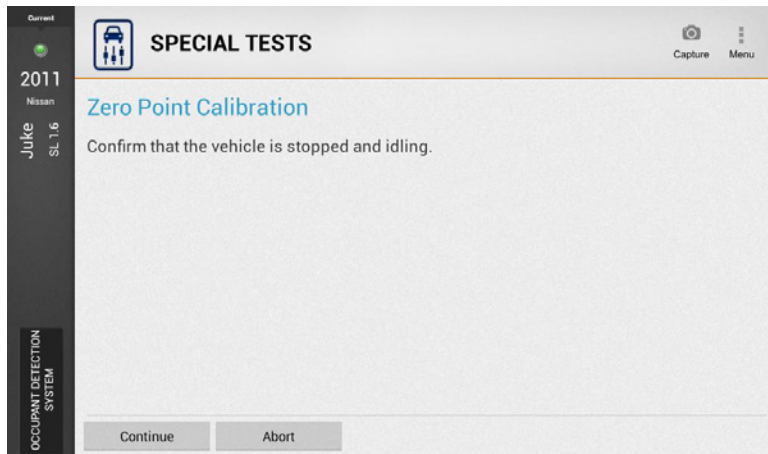






## Nissan –

- Zero Point Calibration test



## Toyota –

- Automated Evap Test

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

SPECIAL TESTS

Capture

Menu

### Automated Evap Test

This test activates the Purge VSV, Vent Valve, and Vacuum Pump to draw and release vacuum in Evap System.

System operation can be confirmed by observing vapor pressure during each step.

Continue

Abort

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

SPECIAL TESTS

Capture

Menu

### Automated Evap Test

To Prevent Damage, test will automatically stop Vacuum Pump if pressure is less than -39mmHG (-0.75 PSI)

Do NOT operate Vent or Vacuum Pump continuously for more than 15 minutes at a time.

Refer to repair manual for more information.

Continue

Abort

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

SPECIAL TESTS

Capture

Menu

### Automated Evap Test

This vehicle is equipped with a Key Off Monitoring Evap System. Gauge Pressure should be used to diagnose Issues.

During test, press Next to proceed to next step.

Continue

Abort

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

SPECIAL TESTS

Capture

Menu

### Automated Evap Test

Preconditions:

- Transmission in Park / Neutral
- Key ON, Engine OFF
- Fuel Temp < 95 degrees F
- Fuel Level < 90 percent

Test may only be run ONCE per key cycle.

To repeat test cycle key off/on before running test again.

Continue

Abort

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

 SPECIAL TESTS

 Capture  Menu

### Automated Evap Test

This Test will simulate the system monitor  
If a malfunction is present a DTC will be set

Test may take 8 - 15 minutes to complete

Press Continue to begin test

Continue

Abort

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

 SPECIAL TESTS

 Capture  Menu

### Automated Evap Test

Test in progress. Please wait

Current Units: KPA

|                  |               |
|------------------|---------------|
| Press (Absolute) | 94.9520       |
| Pressure (Gauge) | 0.0000        |
| Purge VSV State  | Closed        |
| Vent State       | Closed        |
| Pump State       | Running       |
| Purge/Vent/Pump  | OFF / ON / ON |
| Elapsed Time:    | 18            |

Abort

Units

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

 SPECIAL TESTS

 Capture  Menu

### Pending and Current DTCs

P0441 : Evaporative Emission Control System Incorrect Purge Flow

Clear

Exit

Current

2007

Lexus

RX 350

Base 3.5

ENGINE/TRANSMISSION

 SPECIAL TESTS

 Capture  Menu

### Automated Evap Test

DTCs cleared

Cycle Key Off 30 seconds before running test again

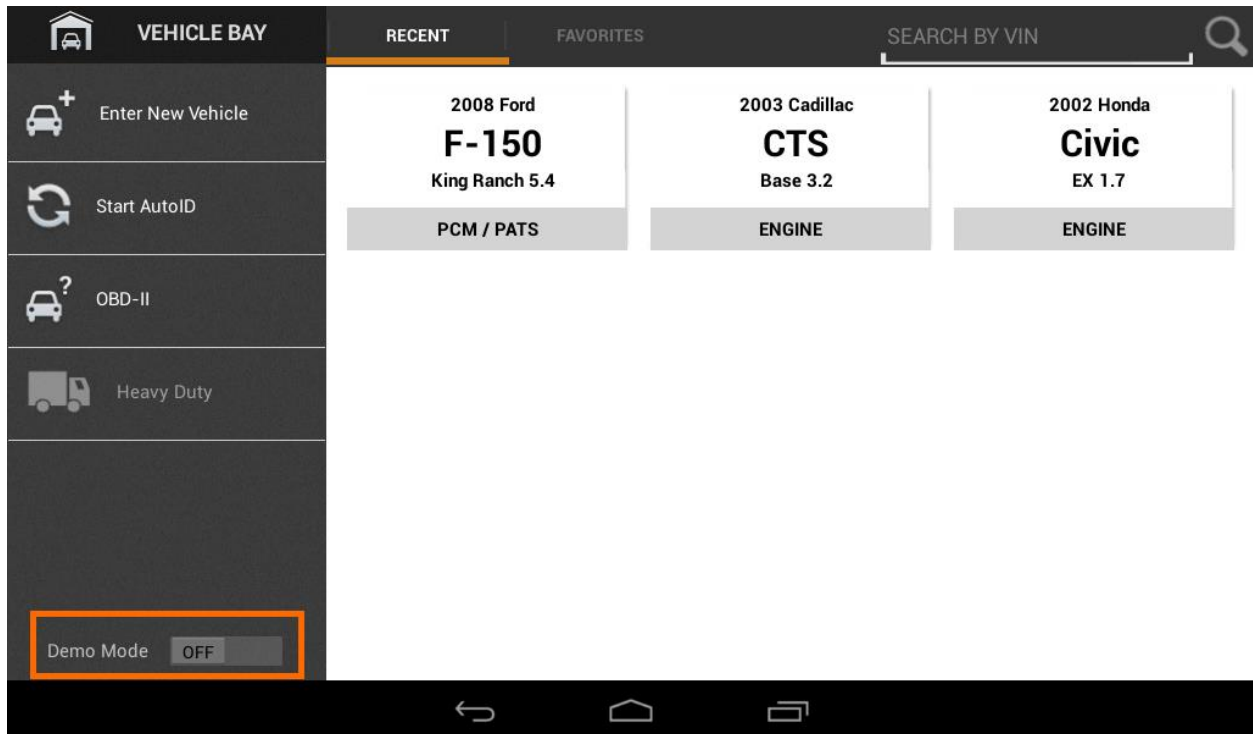
Press Continue to Exit Test

Continue

Abort

## New Features

- No more forgetting to turn off Demo mode! The tool will now always boot up in Live Mode.



- Icon text descriptions are now available on all Header bars in the tool! The text will be in English-Only in this release. Translations coming soon.

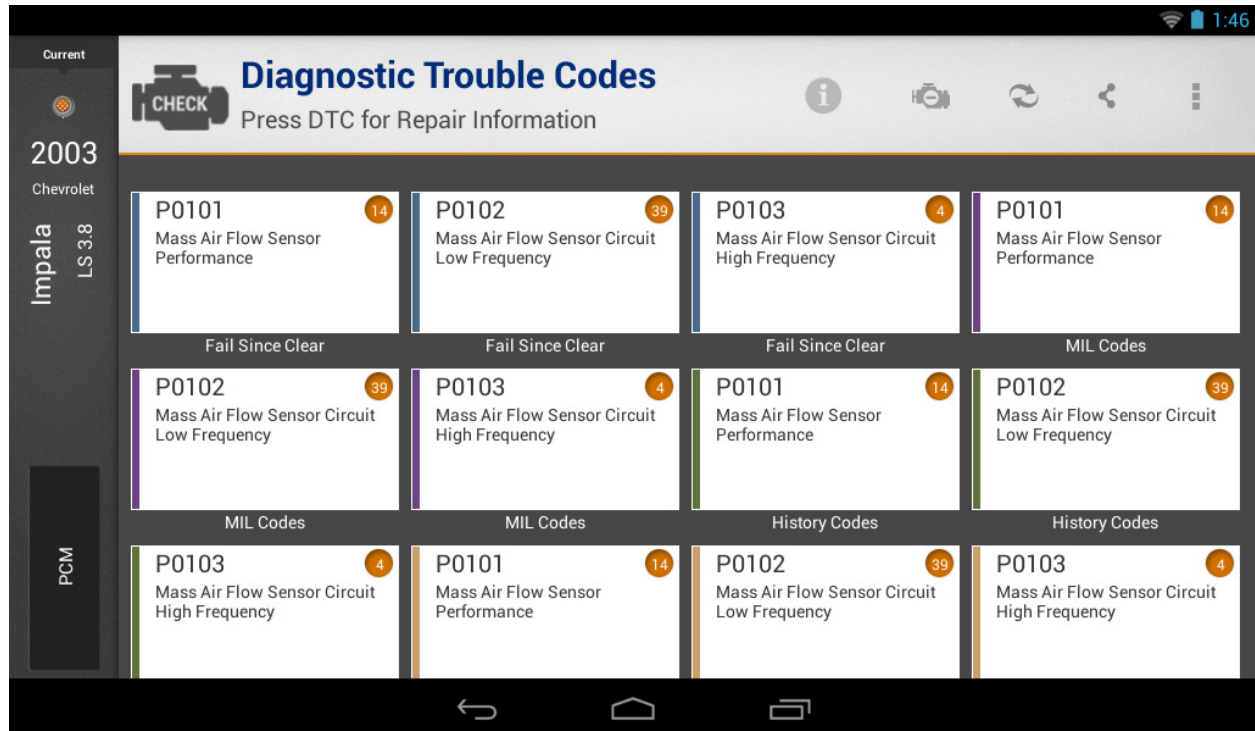
*Sample Headers:*



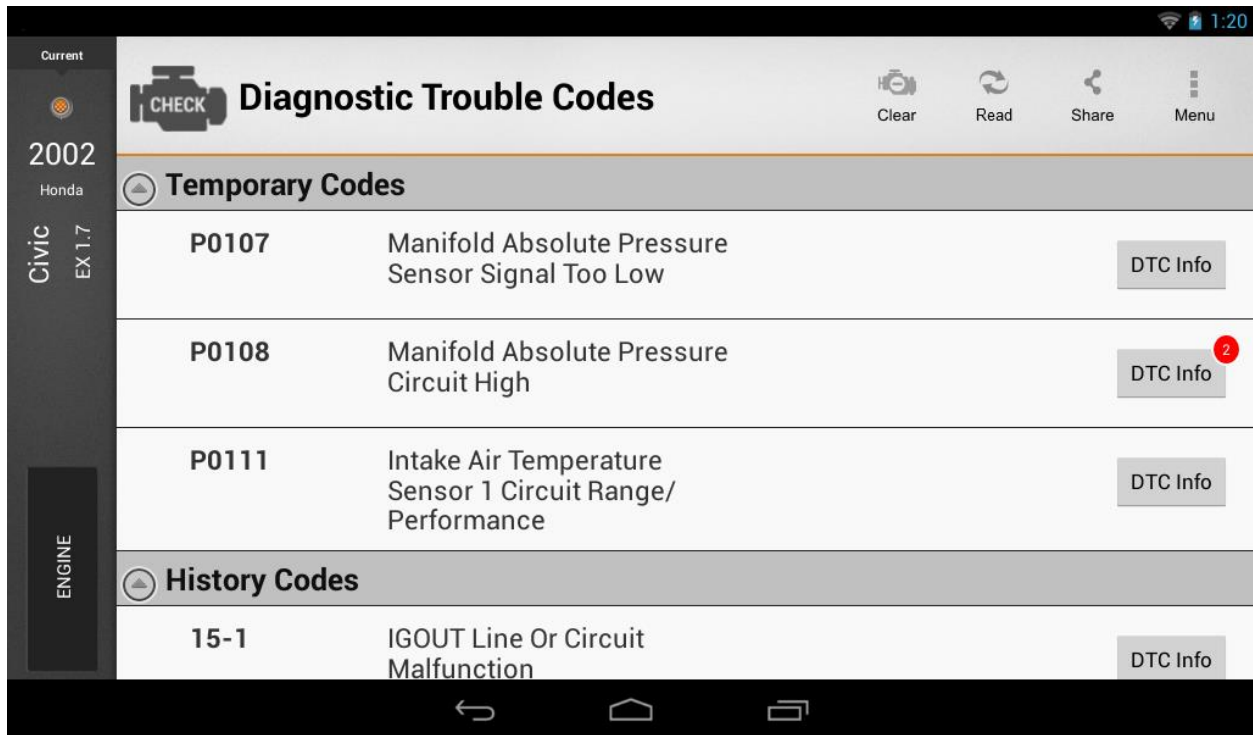


- New List View for Diagnostic Trouble Codes!
  - DTCs will now appear in a list and will be arranged by DTC Group.
  - User will have easy access to DTC Info and will quickly be able to see if Code Assist information is available.

*Before*

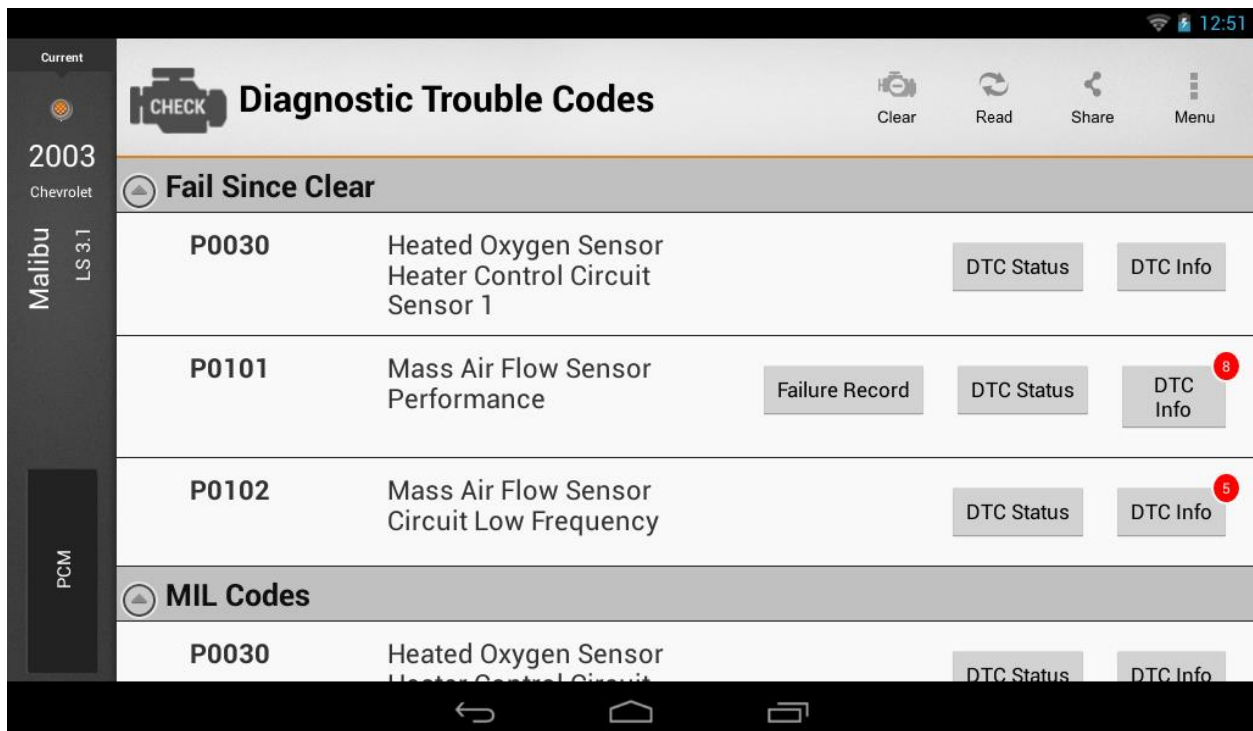


After



Vehicles supporting Failure Records and DTC Status:

- Quick shortcuts for DTC Status and Failure Record are shown when available on the Diagnostic Trouble Code.



*Vehicles supporting Self-Diagnostics:*

Current

2008

Ford

F-150  
King Ranch 5.4

PCM / PATS

**Diagnostic Trouble Codes**

Self-Diag Clear Read Share Menu

**Current Codes**

|              |                                                            |                       |
|--------------|------------------------------------------------------------|-----------------------|
| <b>B10A2</b> | Crash Input                                                | DTC Info              |
| <b>B1213</b> | Less Than Two Keys Programmed To Passive Anti-Theft System | DTC Info <sup>2</sup> |
| <b>B1219</b> | Fuel Tank Pressure Sensor Circuit                          | DTC Info              |

*Vehicles supporting Blink Codes only:*

Current

2004

Subaru

Forester  
X 2.5

ABS

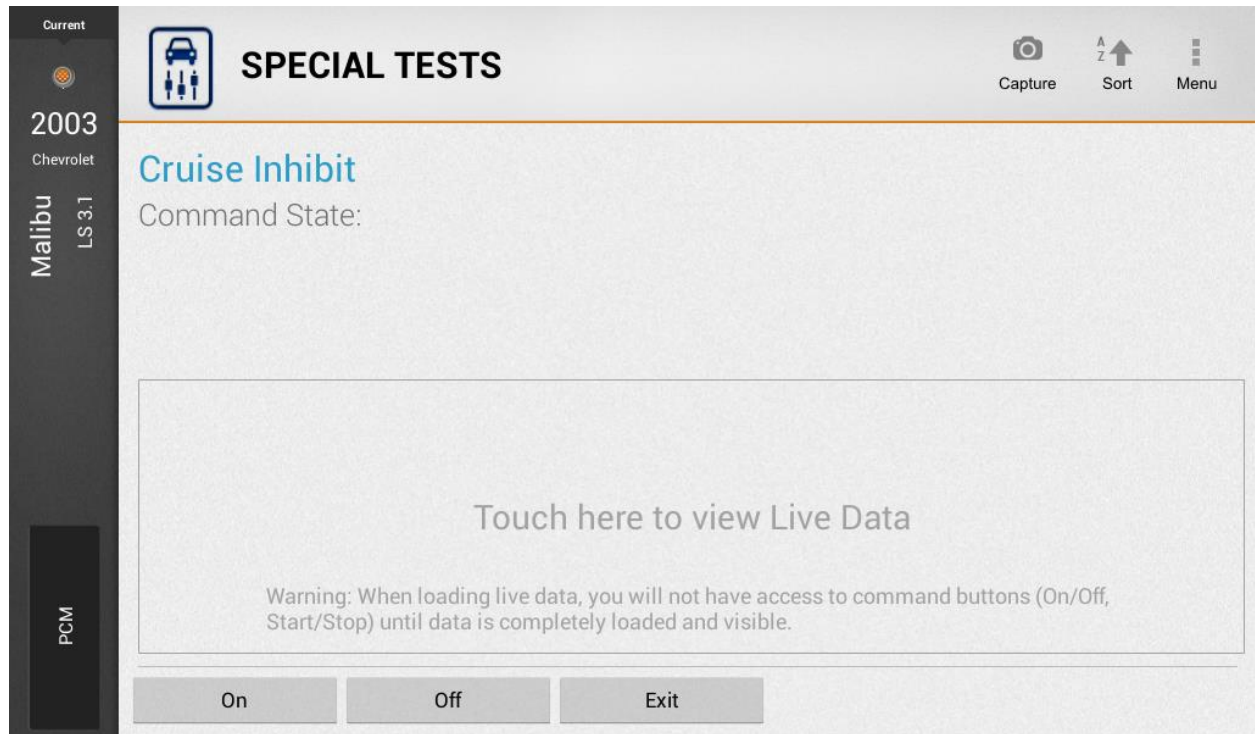
**Diagnostic Trouble Codes**

Clear Read Share Library Menu

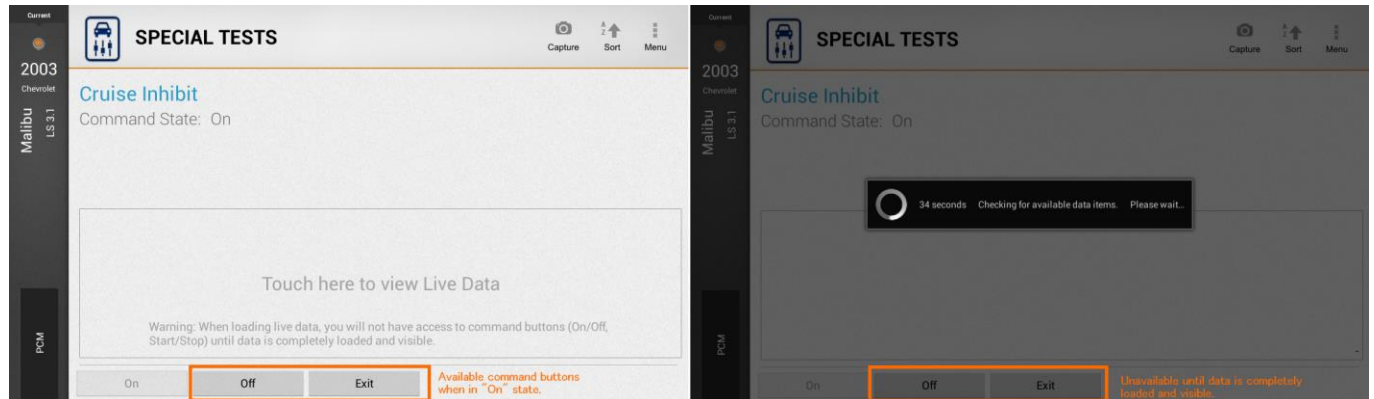
**Manual Codes Procedure**

- 1) Take out diagnosis connector from side of driver's seat.
- 2) Turn ignition switch Off.
- 3) Connect diagnosis connector terminal 6 to diagnosis terminal.
- 4) Turn ignition switch On.
- 5) ABS warning light is set in the diagnostic mode and blinks to identify trouble code.
- 6) After the start code (11) is shown, the diagnostic trouble codes (DTC) will be shown in order of the last information first. These repeat for a maximum of 3 minutes.
- 7) NOTE: When there are no diagnostic trouble codes (DTCs) in memory, only the start code (11) is shown.

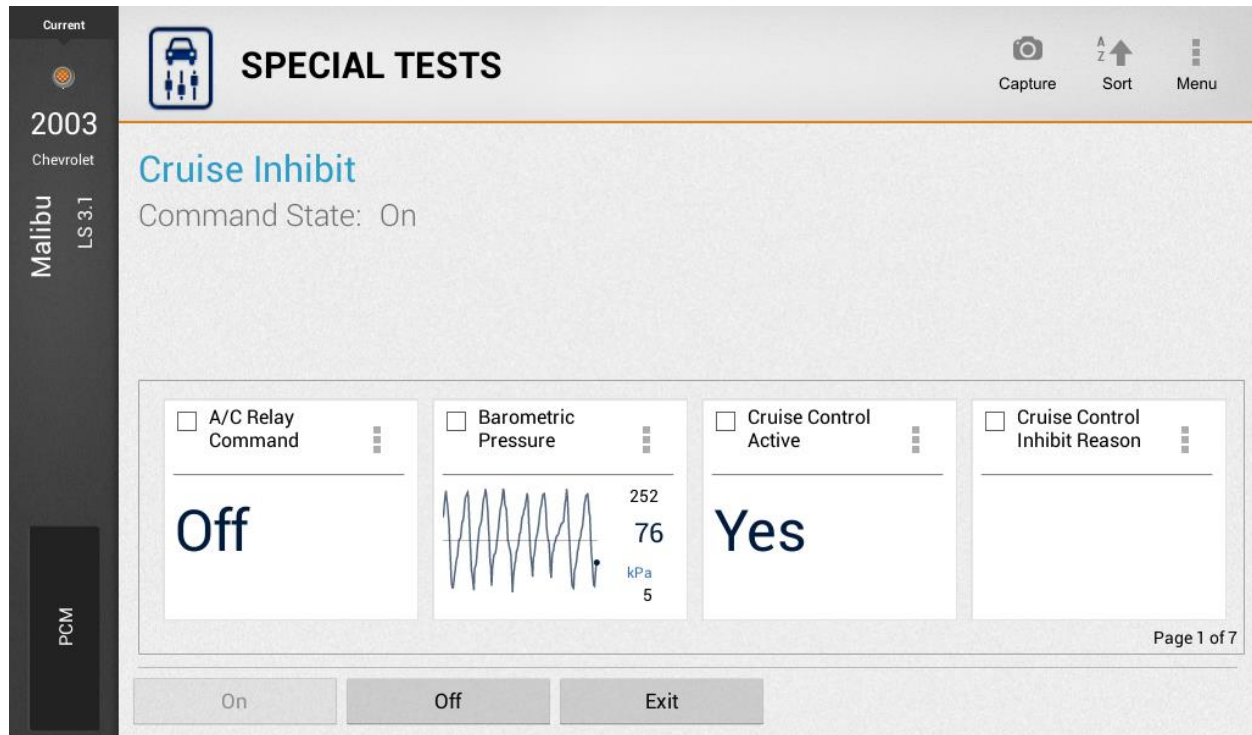
- You now have the power to choose! Special Tests with Data Stream are now only loaded if the user wants to see live data.



*When you touch in the box labeled "Touch here to view Live Data" you will not have access to your command buttons until live data is loaded:*



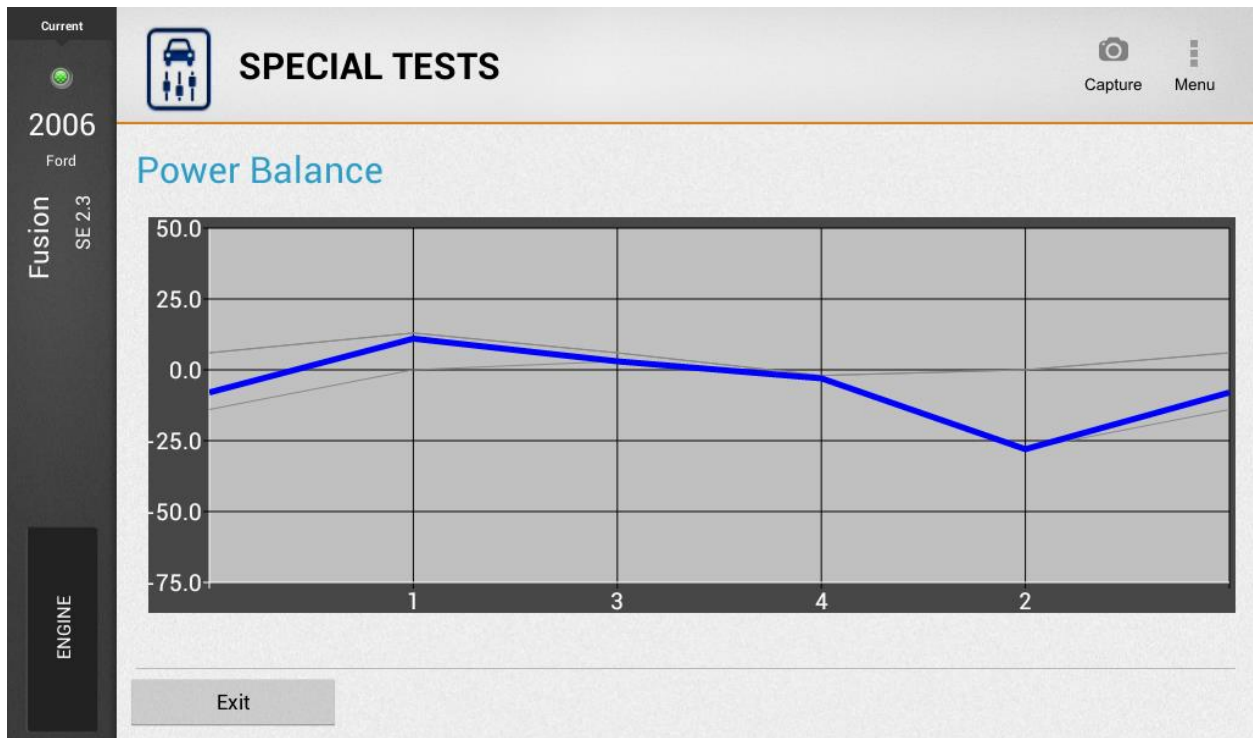
After Live Data is loaded you will once again have access to your command buttons:



- Additionally, the paging of this live data stream in Special Tests has been improved to be more robust and consistent with paging in regular Data Stream.

## Special Tests

- Even more Ford Power Balance Improvements:
  - ALL Protocols: Added stability improvements to allow the test to be run multiple times in a row without rebooting the system.
  - SCP Protocol: Added extended run time. Previously, the keep alive was preventing the test for running longer than 5 minutes.



- DTC Descriptions can now be viewed on Special Test windows.
  - NOTE: If the DTC description is unavailable, it will display “DTC Description Unavailable” as shown below.

Current

2011

Lexus

ES350

Base 3.5

ENGINE

## SPECIAL TESTS

Capture Menu

### Pending and Current DTCs

P0172 : System Too Rich (Bank 1)  
P0122 : Throttle/Pedal Position Sensor/Switch "A" Circuit Low Input  
P0324 : No Description Available  
P0420 : Catalyst System Efficiency Below Threshold (Bank 1)  
**B2ABB : DTC Description Unavailable**

Clear Exit

- MRSTSW-4198 Decreased the amount of time to exit a Special Test in French utilizing the “Quitter” and “Avorter” buttons. Previously it would take over two minutes.

## UI Improvements

- Added consistency in font, color, headers and contrast in the overall user interface and system popups. Some are less noticeable like the AutoID popup and some are more noticeable like the popup in Read DTCs!

*Samples:*

*Before: Inconsistent Popup selections (Read DTC Popup and Controller Qualifier Selection Popup)*

| Select Option                                                                     |           |
|-----------------------------------------------------------------------------------|-----------|
|  | Read DTCs |
|  | KOEO      |
|  | KOER      |
|  | Reset KAM |

| Select Controller Qualifier                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| With Air Pump                                                                                                                                                                                                       |
| Without Air Pump                                                                                                                                                                                                    |
| With Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump.<br>Without Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump. |

*After: Consistent look and feel for Popup selections (Read DTC Popup and Controller Qualifier Selection Popup)*

| Select Controller Qualifier                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| With Air Pump                                                                                                                                                                                                       |
| Without Air Pump                                                                                                                                                                                                    |
| With Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump.<br>Without Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump. |

| Select Option                                                                     |           |
|-----------------------------------------------------------------------------------|-----------|
|  | Read DTCs |
|  | KOEO      |
|  | KOER      |
|  | Reset KAM |

*Before: AutoID Popup without bold title*

Start AutoID

2003 Subaru

Make sure the key is ON and the Engine is OFF.

OK

Cancel

*After: AutoID Popup with bold title*

**Start AutoID**

2002 Honda

Make sure the key is ON and the Engine is OFF.

OK

Cancel

*Before: Inconsistent Progress Indicators throughout system*



Reading DTC group 1 of 1 : Current Codes



34 seconds    Checking for available data items.    Please wait...



Initializing Communication

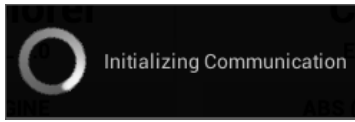
*After: Consistent Progress Indicators throughout system*



Reading DTC group 1 of 1 : Current Codes

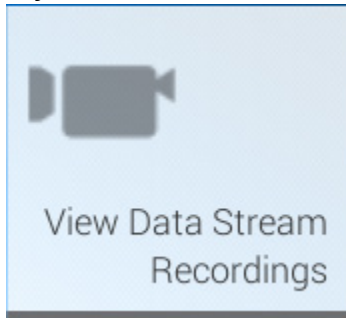


34 seconds    Checking for available data items.    Please wait...

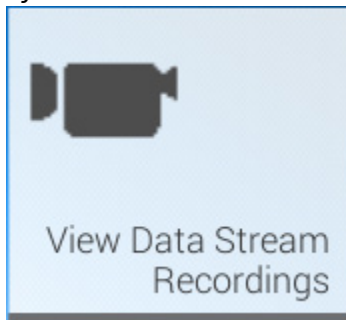


- Changed the contrast of the icon for “View Data Stream Recordings” so it doesn’t look like it is disabled:

*Before*

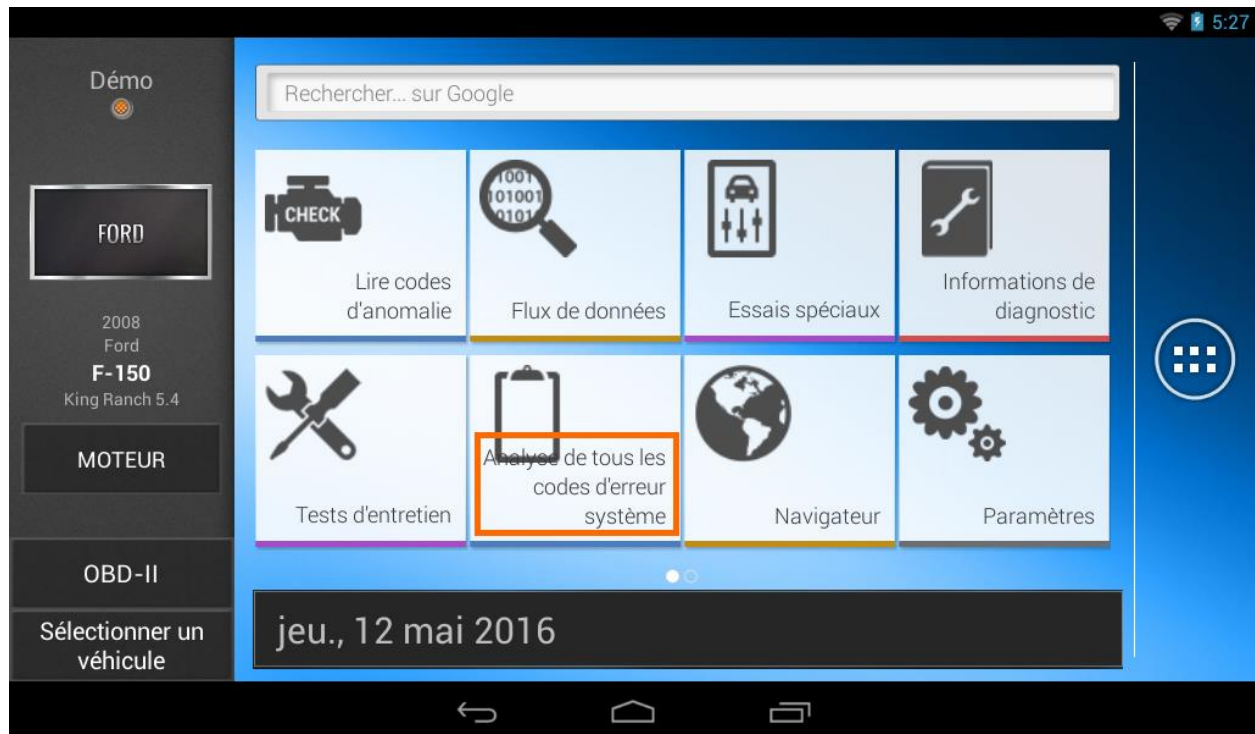


*After*



- Continued screen improvements in the user interface for French:

#### Home Screen – Before



#### Home Screen – After



### Special Tests – Before

Actuel



2008

Toyota

Rav4

Base 2.4

MOTEUR/  
TRANSMISSION

ESSAIS SPÉCIAUX



Écrire le numéro d'identification de véhicule

Continuer

Saisir un maximum de : 17 caractères

### Special Tests – After

Actuel



2008

Toyota

RAV4

Base 2.4

MOTEUR/  
TRANSMISSION

TESTS SPÉCIAUX



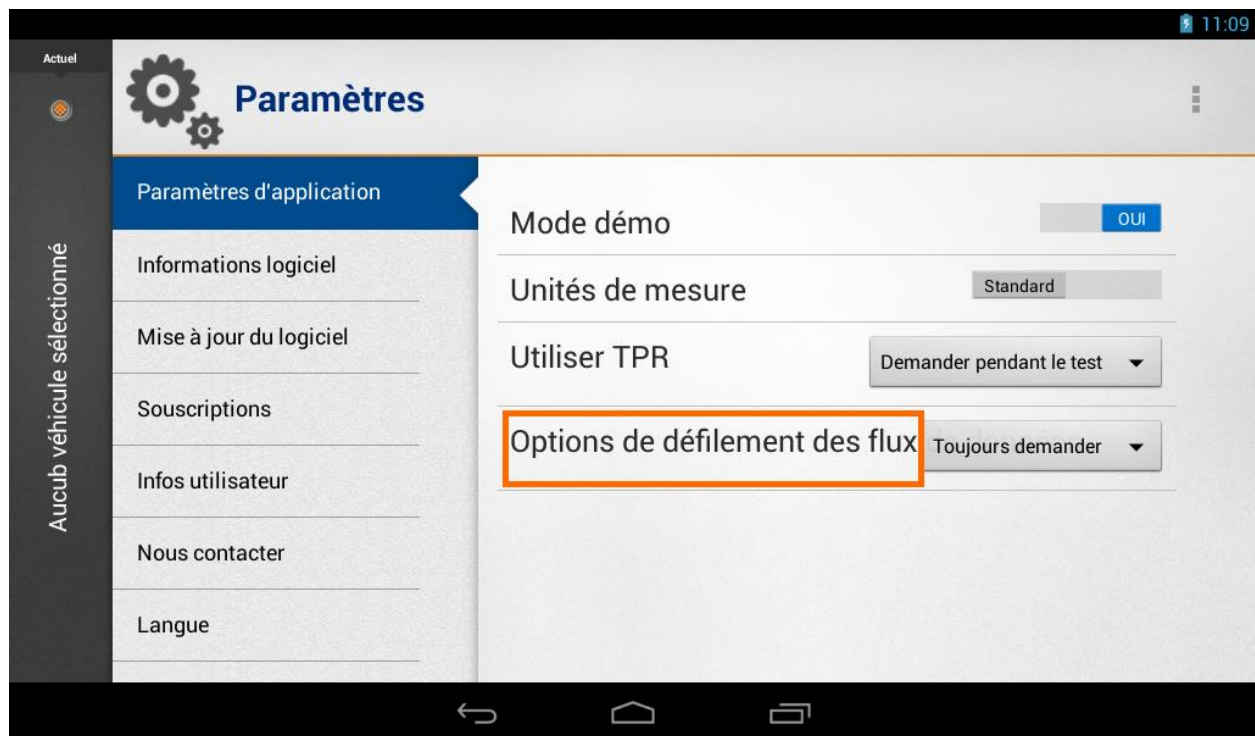
Capture Menu

Écrire le numéro d'identification de véhicule

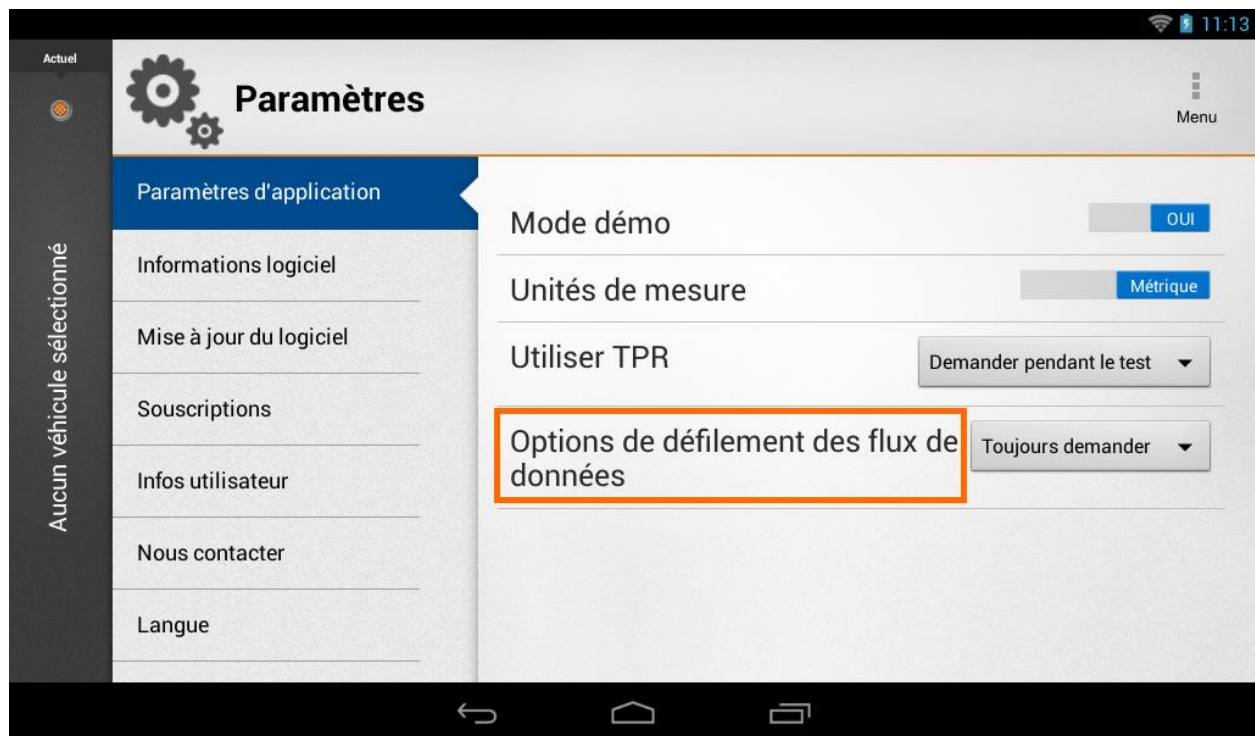
Continuer

Saisir un maximum de : 17 caractères

### Settings – Before



### Settings – After



## Vehicle Selection

- The user will no longer see disabled vehicle coverage years when your All Coverage Subscription has expired.
- Improved Robustness in Manual Entry by ECU ID for Volkswagen/Audi vehicle selection process which now includes the capability to input hexadecimal ECU IDs.

| Select Engine Qualifier       |
|-------------------------------|
| Body Electrical               |
| Electronics/Media             |
| Common Controllers            |
| Chassis                       |
| Powertrain                    |
| <b>Manual Entry by ECU ID</b> |
| All Controllers               |

YEAR
MAKE
MODEL
SUBMODEL
ENGINE
CONTROLLER

Manual Entry by ECU ID

OK Cancel

Q W E R T Y U I O P

A S D F G H J K L

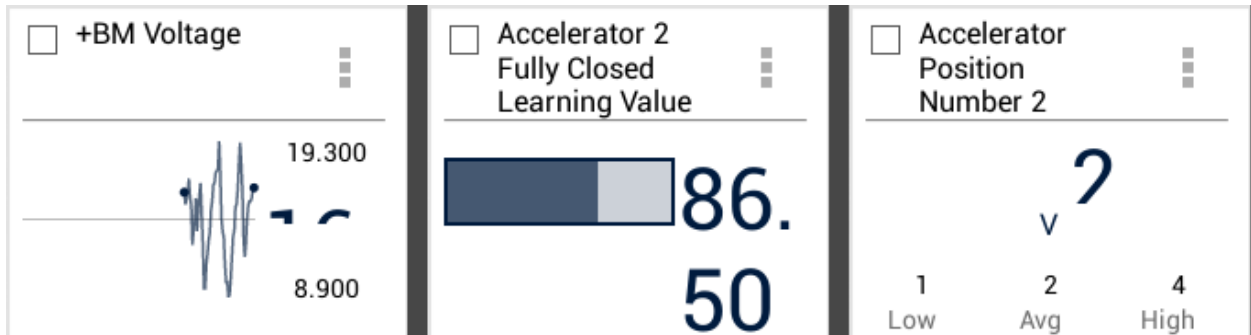
↑ Z X C V B N M , . ?

?123 / @ ' " - \_ :)

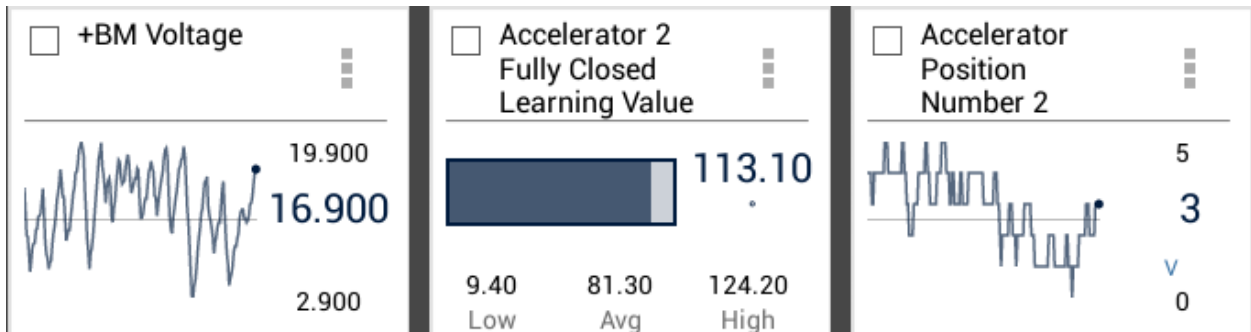
## Data Stream

- Corrected an issue where Data Stream would sometimes remember your previous view type when utilizing the “Customize” button. Data Stream will now correctly display in the 2x8 Digital List view format upon entry.
- The time to save Data Stream Recordings has been optimized for saving and loading. The user will notice a significant improvement when saving large recordings (>3000 frames).
- When viewing a recorded Data Stream, the font size will no longer appear larger than the view it is displayed in:

Before:



After:



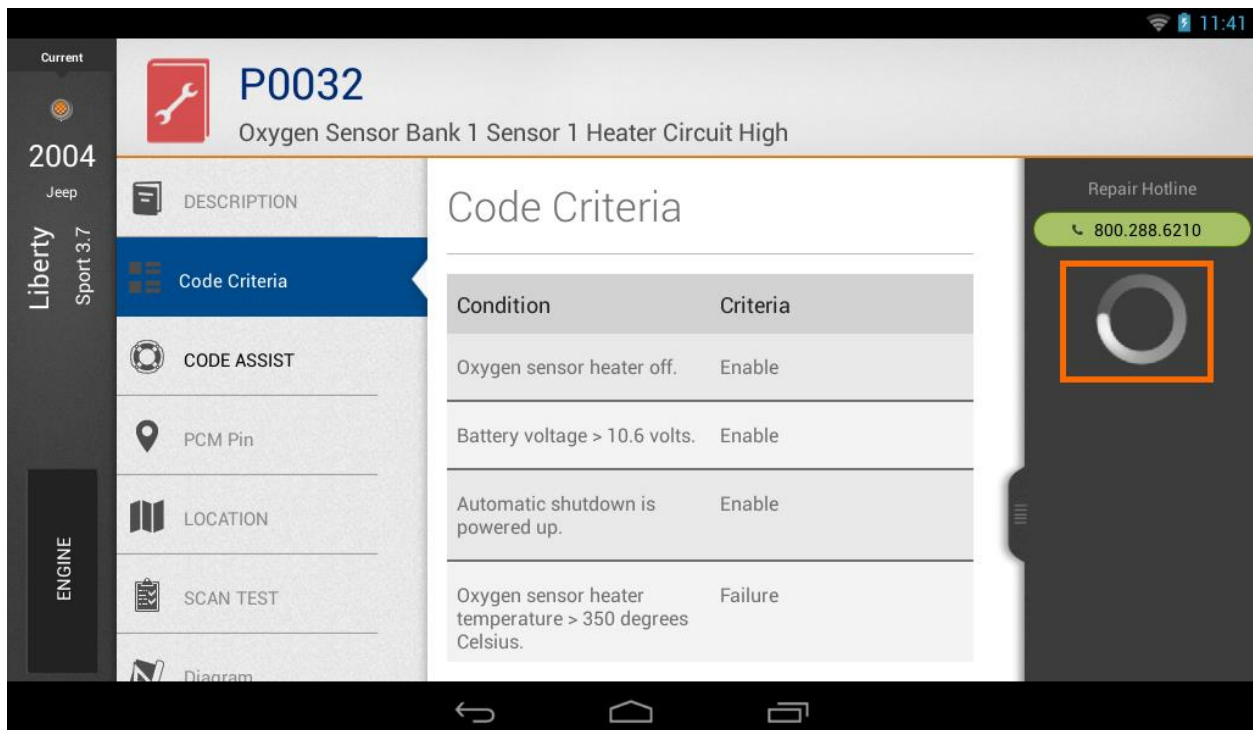
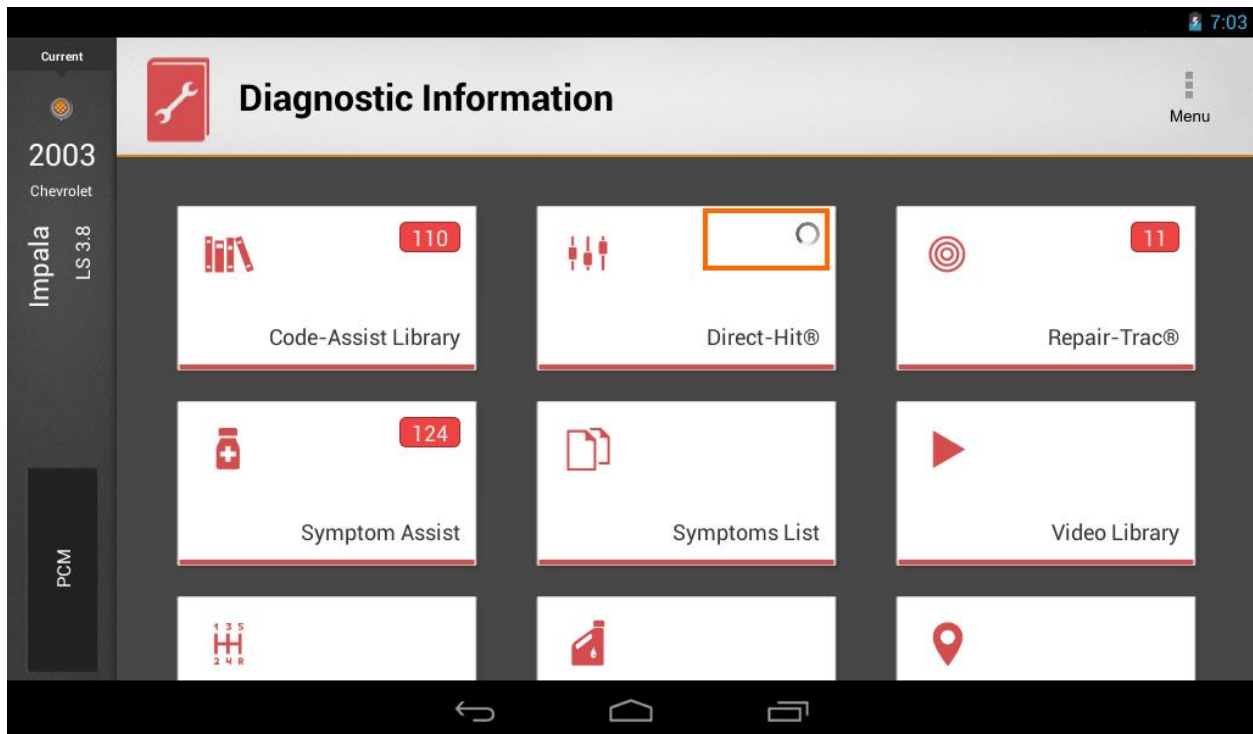
## Diagnostic Trouble Codes

- When performing a “Read DTCs” and “Clear DTCs”, the Android navigation and notification bars will now be hidden.

- Fixed an issue that caused the badge count to be incorrect when user would re-read DTCs.

## Other System Improvements

- Increased the stability of long term use with communication system to allow for continued system diagnostics across multiple controllers.
- System checks for internet and Wi-Fi connectivity are in place to prevent unnecessary wait spinners in certain areas that utilize online resources:



## ***Fixed Known Issues from 2.7.0.14***

- User receives "Unfortunately MRST Launcher has stopped" message if the "Enter Subscription Code" dialog is up and the user taps the "Android Recent Apps" button or opens Settings from within the screen and then taps back and clicks "OK"
- MRST Launcher crashes if user taps "OBDII with Enhanced Mode 6" a second time while the "OBDII Loading..." message is displayed
- When the user selects the All Data Item group and there are approximately 400 or more data items available on the vehicle, Encore hangs while trying to start DataStream
- For some Chrysler J1850 GAP systems, "Read DTC" function does not work.
- On KW1281 9600 baud only controllers, "Read DTC" function does not work.
- Ford Power Balance does not work correctly when run back to back on the same vehicle

## ***New Vehicle Coverage***

- New Coverage added for 2015MY Ford Edge
- Ford - New Coverage for PATS (Passive Anti-Theft System) Key Programming functions
- Ford - New Coverage for Passenger System Reset/OCS Reset tests
- GM/Saturn -Expanded coverage for important SRS/BCM tests such as Re-Zero Passenger Presence System, Passenger Presence Sensor Learn, Setup SDM Part Number In BCM, Setup SDM Serial Number In BCM and Setup SDM Serial Number In DIM and Setup BCM, Configure New Module
- Honda/Acura - Expanded coverage for 2003-2015 Adapt Cruise, Blind Sport, Doors, Parking Brake, Lighting, Immobilizer, Integrated Driver Assist, Seats controllers
- Mazda - New Coverage for PATS (Passive Anti-Theft System) Key Programming functions for 2001-2011 Tribute and 1999-2007 B-Series trucks
- Nissan/Infiniti - Expanded coverage for 2009-2015 OCCUPANT DETECTION SYSTEM with Zero Point Reset Function
- BMW - Expanded coverage for 2002-2011 ZF Steering systems - ACTIVE FRONT STEERING and ELECTRIC POWER STEERING
- Land Rover - Expanded coverage for ZF Steering systems tests - Reset Adaptation Parameters, Steering Angle De-Initialization
- VW/Audi - Expanded coverage for ZF Steering systems tests - Reset Adaptation Parameters, Steering Angle Sensor, Transfer Configuration, Write Configuration
- Added coverage for 192 new systems
- Added coverage for 1,433 new vehicle-ecu combinations
- Added 275 new Adjustment type tests
- Added 2,586 new Actuation type tests

- Updated Diagnostic Information for the following:
  - DTC Circuit Description for 2015MY Chrysler/Jeep, Ford and GM
  - DTC Possible Causes for 2015MY Chrysler/Jeep, Ford and GM
  - Code Info (setting conditions) for 2015MY Chrysler/Jeep, Ford and GM
  - Data Item Circuit Description for 2015MY Chrysler/Jeep, Ford and GM
  - Data Item Operating Ranges for 2015MY Chrysler/Jeep, Ford and GM
  - PCM Connector Pin Information (B.O.B) for 2015MY Chrysler/Jeep, Ford and GM
  - Locations (DLC, Fuse panel, ECU) for 2015MY Chrysler/Jeep, Ford and GM
  - Symptoms for 2015MY Chrysler/Jeep, Ford and GM
  - Drive Cycle for 2015MY Chrysler/Jeep, Ford and GM

## ***New Coverage – USA Domestic***

### **Chrysler/Jeep Coverage**

#### **40 new Adjustment type special tests including:**

- **Engine/PCM** - Clear Misfire TLC, Coolant Three Way Valve Replaced, Learn ETC, Manual DPF Regeneration, Quicklearn RFE, Reset Adaptive After Oil Change, Reset After Replacement Of Lambda Sensor, Stationary Desoot, Throttle Body Self-Learning, Turbo Actuator Pre-Align / Self Calibrate, Write VIN
- **Transmission/Electronic Shifter** - Clear Self-Learning Data
- **ABS** - Set Pinion Factor
- **Tire Pressure Monitor/WCM** - Tire Pressure Sensor Registration
- **Climate (HVAC)** - Actuator Calibration, First Pass Cool Down Test Results
- **Instrument Cluster** - Module Reset, Fleet Pin Reset, IPC Service Mode, Oil Service Reset
- **Body Control** - Light Rain Sensor Calibration
- **Others** - Reset ECU for many controllers, Power Sliding Door tests

#### **1063 new Actuation type special tests including:**

- **Engine/PCM** - Boost Pressure Actuator, Crankcase Ventilation, Cylinder Deactivation tests, DEF Heater tests, DEF Reductant Doser Pump Override Test, Engine RPM Control, Engine Running Injector Kill Test, EVAP Purge Valve, Fan tests, Fuel Pressure tests, Fuel Pump tests, Ignition Coil tests, Injector Kill (All Cylinders), LDP Solenoid, Multiair VVA Solenoid tests, VVT tests, Wastegate Solenoid tests, Transmission tests
- **Transmission/Electronic Shifter** - Linear Solenoid tests, Shift Solenoid tests, Hybrid Auxiliary Transmission Pump tests, Torque Converter Clutch tests, Transmission Clutch Pressure tests
- **ABS** - Pilot Valve Activation tests, Priming Valve Activation tests
- **Suspension** - Damping Mode Outputs tests, I/O Control All tests, Select Level Switches-Damping Mode Button, Air Spring Circuit Test, Atmosphere Valve Test
- **Instrument Cluster** - Lamp tests, Display Dimming
- **Climate (HVAC)** - Indicator/Lamp tests, A/C Request, Blower Motor, Front Mode 1 Actuator Position, HVAC Cool Down Test, Solar Sensor Values
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, Flash Programming Voltage Control, Window tests, Wiper/Washer tests, Headlight tests, Turn Signal tests, Diesel Fuel Heater Relay, Fuel Level Output, Oil Pressure Output, Vehicle Speed Output

- **Others** - tests for AUTOMATIC HEADLAMP LEVELING, ALARM REMOTE KEYLESS ENTRY, AUDIO and RADIO, INTEGRATED CENTER STACK, POWER LIFTGATE MODULE, FOLD STOW MODULE, TELEMATICS GATEWAY

#### **Special test fixes/improvements:**

- 2013 Ram 6.7L ENGINE - fixed Set Engine RPM test not working properly
- 2013 Dart RF HUB - fixed Tire Pressure Sensor Registration test not available
- 2012 Ram 3500 6.7L TRANSMISSION - fixed Low Reverse Solenoid Mode and 2nd Prime Gear Clutch tests not working properly
- 2010 Ram 6.7L ENGINE - fixed Variable Geometry Turbo Cleaning test not available
- 2008 Town & Country WIRELESS CTRL MODULE - fixed Tire Pressure Sensor Registration test not available
- 2008 Ram 5500 ENGINE - fixed Injector Quantity Adjustment test not available
- 2006 Ram ENGINE - fixed ETC Learn test not working properly
- 2006 Charger ENGINE - fixed EGR Duty Cycle test not available
- 2005 PT Cruiser ENGINE - fixed Idle Speed tests do not show relevant data items
- 2004 Liberty TRANSMISSION - fixed Shift Lever Position test not working properly
- 2003 Durango TRANSMISSION - fixed Shift Lever Position test not working properly
- 2003 Town & Country ABS - fixed ABS Pump test not available
- 2002 Durango ENGINE - fixed Write VIN test not working properly

#### **Other fixes/improvements:**

- 2008-2010 Ram 4500 and 5500 - fixed "coverage not available for these vehicles"

#### **Updated Diagnostic Information for the following:**

- DTC Circuit Description for 2015MY
- DTC Possible Causes for 2015MY
- Code Info (setting conditions) for 2015MY
- Data Item Circuit Description for 2015MY
- Data Item Operating Ranges for 2015MY
- PCM Connector Pin Information (B.O.B) for 2015MY
- Locations (DLC, Fuse panel, ECU) for 2015MY
- Symptoms for 2015MY
- Drive Cycle for 2015MY

## ***Ford Coverage***

- New Coverage added for 2015MY Edge
- New Coverage for PATS (Passive Anti-Theft System) Key Programming functions
- New Coverage for Passenger System Reset/OCS Reset tests
- Added coverage for 38 new systems
- Added coverage for 96 new vehicle-ecu combinations

#### **31 new Adjustment type special tests including:**

- **Engine/PCM** - Ethanol Concentration, PATS Functions, Reset KAM
- **Brakes/ABS** - ABS Service Bleed, Calibrate Longitudinal Acceleration Sensor

- **Safety/Airbag** - Passenger System Reset/OCS Reset
- **Instrument Cluster** - PATS Functions
- **Body Control** - Battery Monitor System Reset, PATS Functions, Tire Pressure Sensor Registration
- **Driver Assist** - LDWS Camera Alignment for IMAGE PROCESSING MODULE A controller
- **Others** - PATS Functions in PATS and Virtual Image controllers

#### **266 new Actuation type special tests including:**

- **Engine/PCM** - Desired Camshaft Angle For All Banks, EGR Throttle Position, EVAP tests, Fan On Off Test, Power Balance, Transmission tests, Turbocharger Wastegate Control
- **Transmission** - Commanded Current Shift Solenoid F, Pressure Control Solenoid A, Torque Converter Clutch Control Status
- **Brakes/ABS** - ABS Power Relay, ABS Warning Lamp, Hydraulic Pump Motor, Inlet Valve tests, Outlet Valve tests, TCS Priming Valve tests, On Demand Test
- **Safety/Airbag** - Airbag Warning Lamp And Chime, On Demand Test, Passenger Airbag Deactivation Lamp, Restraints Indicator Lamp
- **Instrument Cluster** - Lamp tests, Gauge tests, Segment tests, Button tests, Dimming Control, On Demand Test
- **Climate (HVAC)** - Blower Motor Control Command, Blower Motor Relay, Door Position Command tests
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, On Demand Test, Wiper tests, Turn Signal tests, Battery Saver Relay Control, Headlight tests
- **Seat** - Memory tests, Front Motor Up/Down, Horizontal Motor Backward/Forward, Pedals Forward/Backward, Rear Motor Up/Down
- **Others** - Tests for REMOTE ANTI-THEFT/PERSONALITY, AUDIO CONTROL, AUDIO DIGITAL SIGNAL PROCESSING, DRIVER FRONT DOOR MODULE, REMOTE FUNCTION ACTUATOR, PARKING AID MODULE

#### **Special test fixes/improvements:**

- Enhancements to Power Balance test to make it more user friendly
- 2015 MKZ Hybrid BECM - fixed Fan Speed Demanded test not working properly
- 2015 Escape BODY - fixed Left/Right Stop Lamp Duty Cycle Test not working properly
- 2012 Focus PCM - fixed Fuel Pump test not working properly
- 2010 MKX PCM - fixed Fan test not available
- 2010 Fusion PCM - fixed EVAP tests do not show Fuel Tank Pressure Voltage PID
- 2010 Edge HVAC - fixed Blend Door tests not working properly
- 2008 Crown Victoria Police Interceptor - fixed General Warning Indicator 2 tests not working properly
- 2006 Freestar 3.9L - fixed EVAP test not working properly
- 2005 F-150 5.4L - fixed Power Balance test not working properly
- 2004 Thunderbird 3.9L - fixed Power Balance test not working properly
- 2002 Ranger 2.3L - fixed Power Balance test not available
- 2000 Explorer - fixed customer request to control both vent and purge valves together
- 2000 Taurus 3.0L - fixed Power Balance test not available

#### **Updated Diagnostic Information for the following:**

- DTC Circuit Description for 2015MY
- DTC Possible Causes for 2015MY
- Code Info (setting conditions) for 2015MY

- Data Item Circuit Description for 2015MY
- Data Item Operating Ranges for 2015MY
- PCM Connector Pin Information (B.O.B) for 2015MY
- Locations (DLC, Fuse panel, ECU) for 2015MY
- Symptoms for 2015MY
- Drive Cycle for 2015MY

## ***General Motors / Saturn Coverage***

- Added coverage for 84 new vehicle-ecu combinations
- Expanded coverage for important SRS/BCM tests such as Re-Zero Passenger Presence System, Passenger Presence Sensor Learn, Setup SDM Part Number In BCM, Setup SDM Serial Number In BCM and Setup SDM Serial Number In DIM and Setup BCM, Configure New Module

### **60 new Adjustment type special tests including:**

- **Engine/PCM** - Clear TAP, CrankShaft Learn, DPF/Catalyst 2 Reset, Elevated Idle, Fuel Trim Reset, Gear Down Protection Options, IAC Reset, Oil Capacity Options, Oil Life Reset, PTO Options, Reprogram Speed Calibration, Reset EGR ALM Cells, TDC Learn, Trans. Oil Life Reset
- **Transmission** - Transmission Adaptive Pressure Reset tests, Fast Learn Adapt. Process, Trans. Adaptives Reset, Transmission Oil Life Reset
- **Brakes/ABS** - Automated Bleed, Automated Test, Steering Angle Sensor Centering, Steering Position / Torque Sensor Calibration, TIM Reset, Yaw Rate Sensor Recalibration
- **Tire Pressure Monitor/RCDLR** - Copy And Paste TPM Information, Tire Type/Pressure Selection
- **Safety/Airbag** - Setup New PIDM, Configure New Module, Passenger Presence Sensor Learn, Re-Zero Passenger Presence System, Setup SDM Serial Number In BCM, Setup SDM Serial Number In DIM
- **Climate/HVAC** - Instant OAT Update, Recalibrate All Motors
- **Instrument Cluster** - Driver Information Center Options, Personalization Option, Relearn Control Panel Type
- **Body Control** - Door Lock Operation, Invalidate All Fobs, Setup BCM, Setup SDM Part Number In BCM, Setup SDM Serial Number In BCM, Tire Type/Pressure Selection
- **Others** - SUSPENSION Automatic Level Control Trimset, TELEMATICS WLAN Password Reset

### **272 new Actuation type special tests including:**

- **Engine/PCM** - Boost Solenoid, Camshaft Actuator tests, Cylinder Power Balance, EGR Solenoid, Engine Speed Control, EVAP tests, Exh. Aftertreatment Fuel Injector, Fan tests, Fuel Economy Test, Fuel Pump tests, Fuel Injector Balance, Fuel Injector Test, Injector Enable/Disable tests, Injector Flow Control (All Cylinders), Injector Flow Rates, Intake Manifold Tuning Valve Solenoid, Oil Life Monitor, Oxygen Sensor tests, Reductant Heater tests, Reductant Injection Quantity Test, Reductant Sys. Malf. Warning Test, Reductant System Leak Test, Throttle Position, VVT tests, Transmission tests
- **Hybrid** - 14V-42V Command, 42V-14V Command, APO Switch Indicator, Auto. Start Command, Auto. Stop Command, Aux Transmission Pump, Auxiliary Coolant Pump Relay, Disable Auto. Stop, Power Maintain Relay
- **Transmission** - Band Apply Solenoid, Clutch PC Solenoid tests, High Side Driver tests, Line Pressure tests, TCC PC Solenoid Electrical
- **ABS/Parking Brake** - ABS Motor, ABS Relay Test, Solenoid tests, Tension Relief Gear

- **Safety/Airbag** - Driver Door Unlatch, Passenger Door(s) Unlatch, Signal Check
- **Transfer Case** - Rear Drive Clutch Solenoid Valve, Lamp tests, ATC Range, Transfer Case Motor Control
- **Suspension** - Compressor Test, Exhaust Solenoid, Solenoid Valve tests
- **Instrument Cluster** - Display Test, Dimming tests, Instrument Cluster Gauge Sweep, Lamp tests
- **Climate/HVAC** - A/C Request, Blower Motor, Defrost Mode, Mode Door tests
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests
- **Doors** - Door Deadbolt Lock/Unlock, Door Lock/Unlock

#### **Special test fixes/improvements:**

- 2015 Camaro ABS - fixed Automated Bleed test not working properly
- 2015 Equinox PCM - fixed A/C Clutch test not working properly
- 2013 Silverado TRANSMISSION - fixed 6L80E Fast Adapt test not available
- 2011 Equinox AIRBAG - fixed Configure New Module test not available
- 2009 Enclave PCM - fixed Exhaust CMP Actuator tests not working properly
- 2009 CTS PCM - fixed Engine Speed Control and Throttle Position tests not working properly
- 2009 Vibe BCM - fixed Interior Lights test not working properly
- 2008 Escalade ELECTRONIC SUSPENSION - fixed no tests available
- 2007 Suburban AIR SUSPENSION - fixed functional test not available
- 2006 LaCrosse AIRBAG - fixed no test available for Passenger Presence Sensor
- 2006 CTS ABS - fixed Automated Test not working properly
- 2006 CTS PCM - fixed Idle Learn Reset test not working properly
- 2005 Impala PCM - fixed 2-3 Shift Solenoid data item reading incorrectly in 2-3 Shift Solenoid test
- 2004 Silverado 2500HD Transfer Case - fixed 4WD Hi Lamp and 2WD Lamp tests not working properly
- 2004 SRX ABS - fixed ABS Automated test not working properly
- 2004 Express ABS - fixed ABS tests not working properly
- 2003 Impala PCM - fixed 2-3 Shift Solenoid data item reading incorrectly in 2-3 Shift Solenoid test
- 2003 CTS ABS - fixed Automated Bleed Test not working properly
- 2001 LeSabre PCM - fixed EVAP test not working properly
- 2001 Impala PCM - fixed 1-2 Shift Solenoid data item reading incorrectly in 1-2 Shift Solenoid test
- 1998 Silverado ABS - fixed Rear Isolation Valve test not working properly

#### **Other fixes/improvements:**

- 2001-2002 Grand Prix ABS - fixed communication issues

#### **Updated Diagnostic Information for the following:**

- DTC Circuit Description for 2015MY
- DTC Possible Causes for 2015MY
- Code Info (setting conditions) for 2015MY
- Data Item Circuit Description for 2015MY
- Data Item Operating Ranges for 2015MY
- PCM Connector Pin Information (B.O.B) for 2015MY
- Locations (DLC, Fuse panel, ECU) for 2015MY
- Symptoms for 2015MY
- Drive Cycle for 2015MY

## ***New Coverage – USA Asian***

### ***Honda/Acura Coverage***

- Expanded coverage for 2003-2015 Adapt Cruise, Blind Sport, Doors, Parking Brake, Lighting, Immobilizer, Integrated Driver Assist, Seats controllers
- Added coverage for 130 new systems
- Added coverage for 1,169 new vehicle-ecu combinations

#### **16 new Adjustment type special tests including:**

- **Engine/PCM** - Crank Pattern Learning
- **Transmission** - Replace TCM/PCM
- **ABS** - Automated Bleed, The Wheel Size Setup For Indirect TPMS
- **Safety/Airbag** - After a Vehicle Collision, After Replacing Front Passenger Seat Components, ODS Unit Initialization
- **Others** - Adaptive Cruise Control tests

#### **191 new Actuation type special tests including:**

- **Engine/PCM** - VTEC Test
- **Transmission** - Clutch Pressure Control (Linear) Solenoid D
- **ABS** - ABS Motor, ABS Relay, Function Test, Solenoid tests
- **Body Control** - Lamp tests
- **Seats** - Column Telescopic Motor tests, Column Tilt Motor tests, Headrest Motor, Power Seat Motor tests
- **Others** - Tests for ADAPTIVE FRONT LIGHTING SYS, BLIND SPOT INFORMATION, DRIVER DOOR ECU, FRONT WIPER MODULE, INTEGRATED DRIVER ASSIST SYS, PARKING SENSOR MODULE, RAIN LIGHT SENSOR, SMART KEYLESS ENTRY

#### **Special test fixes/improvements:**

- 2009 Accord 2.4L - fixed VTEC Solenoid test not working properly

#### **Other fixes/improvements:**

- 2002 Civic ABS - fixed communication issues
- 2001 Accord ABS - fixed communication issues

### ***Hyundai Coverage***

#### **3 new Adjustment type special tests including:**

- **Engine/PCM** - Reset Adaptive Values
- **ABS** - Variant Code Reset(ESP Only), Variant Coding
- **Safety/Airbag** - Weight Classification Sensor Reset

#### **24 new Actuation type special tests including:**

- **Engine/PCM** - EVAP Leak Test, Oil Control Valve For IVVT (OCV), Variable Intake Switch
- **Transmission** - Clutch Pressure Solenoid - SL1, Clutch Pressure Solenoid - SL2, Torque Converter Clutch Solenoid (SLU)
- **ABS** - Reservoir Cut Valve (SRCV), Traction Control Valve-Left Front
- **Climate/HVAC** - Blower Fan Motor-5Step, Driver Mode Door (Def) - 0%

- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Door Lock tests, Wiper/Washer tests
- **Others** - tests for DRIVER DOOR MODULE, SMART KEY UNIT

**Special test fixes/improvements:**

- 2009-2010 WEIGHT CLASS MODULE - fixed Weigh Classification Sensor Reset test not available

## ***Kia Coverage***

**10 new Adjustment type special tests including:**

- **Engine/PCM** - Reset Adaptive Values
- **ABS** - Air Bleeding Mode, AS & LONG.G Sensor Calibration, Variant Code Reset(ESP Only), Variant Coding
- **Steering** - ASP Calibration
- **Others** - 4WD Clutch Learning Read, Clutch Learning Reset, Clutch Learning Writing

**39 new Actuation type special tests including:**

- **Engine/PCM** - CKP CMP Signal Test, ETC Motor, EVAP Leak Test, Oil Control Valve For IVVT (OCV), Variable Intake Switch
- **ABS** - ESC(ESP)Valve(HSV1), ESC(ESP)Valve(HSV2), Reservoir Cut Valve (SRCV)
- **Climate/HVAC** - Blower Fan Motor-5Step, Driver Mode Door (Def) - 0%
- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Door Lock tests, Wiper/Washer tests
- **Others** - tests for ASSIST DOOR MODULE, INSTRUMENT PANEL MODULE, SMART KEY UNIT, DRIVER DOOR MODULE, BLIND SPOT DETECTION

**Special test fixes/improvements:**

- 2014 Sedona ABS - fixed ABS Motor Test not working properly
- 2008 Optima Engine - fixed EVAP tests not working properly

## ***Mazda Coverage***

- New Coverage for PATS (Passive Anti-Theft System) Key Programming functions for 2001-2011 Tribute and 1999-2007 B-Series trucks
- Added coverage for 2 new systems
- Added coverage for 4 new vehicle-ecu combinations

**8 new Adjustment type special tests including:**

- **Engine/PCM** - PATS Functions, Reset KAM
- **Safety/Airbag** - Passenger System Reset/OCS Reset
- **Instrument Cluster** - PATS Functions
- **Others** - PASSIVE ANTI-THEFT PATS Functions

**114 new Actuation type special tests including:**

- **Engine/PCM** - EGR Duty Cycle, Engine Output Test, EVAP tests, Fan tests, Fuel Pump tests, Fuel Trim Control State tests, HO2S Heater tests, Idle Air Control, Power Balance, Transmission tests

- **Instrument Cluster** - Lamp and Warning tests ,Gauge tests, On Demand Test, Segment tests
- **Climate/HVAC** - Blower Motor Control Command

## ***Mitsubishi Coverage***

### **3 new Adjustment type special tests including:**

- **Engine** - Enable / Disable Vehicle Features, Learn ETC, Reset Fuel Pressure Limit Valve Accumulators

### **12 new Actuation type special tests including:**

- **Engine/PCM** - A/C Clutch Relay Control State, Fuel Pressure Override Test, Fuel System Run Up Test, Fan tests, High Pressure Fuel System Test, Wastegate Solenoid Duty Cycle
- **Transmission** - EMCC VLP Solenoid, MS Solenoid

## ***Nissan/Infiniti Coverage***

- Expanded coverage for 2009-2015 OCCUPANT DETECTION SYSTEM
- Added coverage for 7 new systems
- Added coverage for 68 new vehicle-ecu combinations

### **17 new Adjustment type special tests including:**

- **Engine/PCM** - Air Fuel Ratio Initial Learning, Ethanol Concentration
- **Transmission** - Engine Brake Adjustment
- **ABS** - Air Bleeding Pattern tests, Usual Air Bleeding tests
- **Safety/Airbag** - OCCUPANT DETECTION SYSTEM Zero Point Reset Function
- **Body Control** - Anti Theft Alarm Trigger Setting, Reset Setting Value, Set Siren
- **Climate (HVAC)** - Set Rear Temperature Correction, Set Temperature Correction, Target Evaporator Temperature Upper Limit Setting

### **35 new Actuation type special tests including:**

- **Engine/PCM** - Autostart/Autostop, Power Balance
- **ABS** - BH Standby Indicator, EBS Relay, ECB Main Relay 2, ECB Solenoid Valve tests, Signal Check
- **Suspension** - Compressor, Exhaust Solenoid, Standard Height Level Revert, Warning Lamp
- **Body Control** - Lamp and Buzzer/Warning tests

### **Special test fixes/improvements:**

- 2013 Sentra ENGINE - fixed Accelerator Pedal Position Sensor Learn test not working properly
- 2012 Sentra ENGINE - fixed Coolant Temp data item reading incorrectly in the Engine Coolant test
- 2011 Altima ENGINE - fixed Steering Angle Sensor Calibration test not available

### **Other fixes/improvements:**

- 2006 G35X AIRBAG - fixed communication issues
- 2006 G35X TPMS - fixed communication issues

## ***Subaru Coverage***

### **1 new Adjustment type special tests including:**

- **Tire Pressure Monitor** - Tire Pressure Sensor Registration

**17 new Actuation type special tests including:**

- **Engine/PCM** - Activate Lock Up, Control the A/C Magnet Clutch, D-4S (A/F Control), D-4S (Injection Volume), Injection Timing tests, Signal Check, Software version, Target Fuel Pressure Control

## ***Toyota/Lexus Coverage***

**15 new Adjustment type special tests including:**

- **Engine/PCM** - A/T Code Reset
- **Transmission** - A/T Code Reset
- **Brakes/ABS** - Air Bleed tests, ECB Utility
- **Steering** - Torque Sensor Adjustment
- **Others** - 4WD Reset Memory

**102 new Actuation type special tests including:**

- **Engine/PCM** - Automated EVAP Test, Control the A/C Magnet Clutch, Injection Timing tests, Signal Check, Target Fuel Pressure Control, Transmission tests
- **Transmission** - Activate Lock Up, Activate SL5 Solenoid, Control the Shift Position 4 Speed
- **Brakes/ABS** - ABS Motor Relay, EBS Relay, ECB Main Relay 2, ECB Solenoid Valve tests, ECB Zero Down, H/B Motor Relay, Solenoid Relay, Signal Check
- **Safety/Airbag** - Signal Check
- **Suspension** - Signal Check
- **Steering** - EPS Signal Check
- **Instrument Cluster** - Lamp tests, Buzzer tests
- **Body Control** - Lamp and Buzzer/Warning tests
- **Others** - tests for SMART KEY, THEFT DETERRENT, MIRROR, GATEWAY

**Special test fixes/improvements:**

- Improvements to test availability checks so proper lists of tests will appear for vehicle being tested
- 2013 Camry OCCUPANT CLASSIFICATION - fixed Sensitivity Check test not working properly
- 2011 Venza EMPS - fixed Torque Sensor Calibration test not working properly
- 2010 Corolla TPMS - fixed Signal Check test not working properly
- 2010 Yaris ENGINE - fixed EVAP Service Bay test not available
- 2008 Rav4 TPMS - fixed Signal Check test not working properly
- 2007 Camry Hybrid - fixed Electric Water Pump test not working properly
- 2007 Camry BCM - fixed Door Lock test not working properly
- 2007 Tundra 5.7L - fixed Automated EVAP test not available
- 2003 Corolla Airbag - fixed Signal Check test not working properly

## ***New Coverage – USA European***

### ***Alfa Romeo Coverage***

**87 new Actuation type special tests including:**

- **Engine/PCM** - Air Conditioner Relay Command, Camshaft valve control position intake command, Controlled Valve Operation (CVO) command, Dump valve command, Fuel Pump Relay Command, Ignition Coil tests, Motorized throttle command, Thermostat activation command
- **Transmission** - Electric Pump Drive Unit Command, Engagement Electrovalve PPV2 Command (1st/4th/5th/6th)
- **ABS** - Pilot valve 1 activation, Pilot valve 2 activation, Priming valve 1 activation, Priming valve 2 activation
- **Instrument Cluster** - Lamp tests, Display Dimming
- **Body Control** - Lamp and Buzzer/Warning tests, Fan Climate Relay, Window tests, Wiper/Washer tests, Door locks

## ***Audi Coverage***

- Expanded coverage for ZF Steering systems tests - Reset Adaptation Parameters, Steering Angle Sensor, Transfer Configuration, Write Configuration

### **12 new Adjustment type special tests including:**

- **Engine/PCM** - Oil Life Reset, Transmission Neutral Position Sensor Adaptation
- **Transmission** - Fast Adaption, Reset Engagement Counters, Reset Frequency Counter, Reset of System Specific Adaption Values
- **ABS** - Steering Angle Sensor
- **Steering** - Reset Adaptation Parameters, Steering Angle Sensor, Transfer Configuration, Write Configuration

### **10 new Actuation type special tests including:**

- **Engine/PCM** - Charge Motion Valve, Cold Start Injector, Cold Start Valve, Readout System State Control Module Tank Leak Detection, Turbocharger Bypass Solenoid Valve
- **Transmission** - Open Converter Clutch, Shift Lock

### **Other fixes/improvements:**

- 2004 AllRoad LEVEL CONTROL - fixed communication issues

## ***BMW/Mini Coverage***

- Expanded coverage for 2002-2011 ZF Steering systems - ACTIVE FRONT STEERING and ELECTRIC POWER STEERING
- Added coverage for 15 new systems
- Added coverage for 31 new vehicle-ecu combinations

### **31 new Adjustment type special tests including:**

- **Engine/PCM** - Battery Exchange Register, Particle Filter Replacement, Perform Control-module Reset
- **Transmission** - Analog Paddle Reset, Perform Control-module Reset, Reset Rear Learning Function
- **ABS** - Bleeding Routine tests, Clears the internal error memory of the sensor cluster, Longitudinal Acceleration Sensor Adjustment, Perform Control-module Reset
- **Steering** - Reset Control Unit
- **Body Control** - Rain Sensor Initialization

- **Climate (HVAC)** - Circulating Memory Setting, Delete counter of internal sensor fan, Delete counter of pressure sensor
- **Suspension** - Steering Angle Adjustment

**43 new Actuation type special tests including:**

- **Engine/PCM** - Electrical Fan, Exhaust Valve, Fuel Injector Off Test, Fuel Tank Vent Valve, Injection Valve 5 Control, Injection Valve 6 Control, VVT Tests, Water Pump Control
- **ABS** - Balance analog inlet valve, Balance analog MCI valves, Brake flap Open/Close, Pressure Sensor Trim
- **Suspension** - Shock Set Default Comfort Mode, Shock Set Normal Mode, Tolerance Adjustment Modus tests
- **Instrument Cluster** - Self Test
- **Climate (HVAC)** - All servomotors to 50%, Compressor Clutch Test, Control the blower, Delete max pressure sensor value, Driving the layering flap right, Driving the rear lid, Driving the Ventilation flap left, PTC Control, Right Footwell Flap

## ***Fiat Coverage***

**97 new Actuation type special tests including:**

- **Engine/PCM** - Air Conditioner Relay Command, Camshaft valve control position intake command, Controlled Valve Operation (CVO) command, Dump valve command, Fuel Pump Relay Command, Ignition Coil tests, Motorized throttle command, Thermostat activation command
- **Transmission** - Line Pressure Output Current Value, Sdu Electro-Pump (Lever Position On P, N, D Or R), Torque Converter Clutch (Tcc) Output Current Value
- **ABS** - Pilot valve 1 activation, Pilot valve 2 activation, Priming valve 1 activation, Priming valve 2 activation
- **Instrument Cluster** - Lamp tests, Display Dimming
- **Climate (HVAC)** - A/C Request, Blower Motor, Door Position tests, Rec Motor
- **Body Control** - Lamp and Buzzer/Warning tests, Fan Climate Relay, Window tests, Wiper/Washer tests, Door locks

## ***Jaguar Coverage***

**55 new Actuation type special tests including:**

- **Engine/PCM** - A/C Relay
- **Transmission** - 2-4 Brake Pressure Solenoid Feedback Status, 2-4 Brake Timing Solenoid Status, Lock-Up Solenoid Feedback Status, Low Clutch Timing Solenoid Status, Reduction Timing Solenoid Status, Shift Line Pressure Solenoid Feedback Status, Shift Solenoid tests
- **ABS** - ABS Pump Relay Output, ABS Valve Relay Output State, Inlet Valve tests, Outlet Valve tests, Traction Control Priming Valve tests, Traction Control Switching Valve tests
- **Suspension** - Exhaust Valve Percentage - Open, Front Cross Link Valve Percentage Open, Front Left Corner Valve Percentage Open, Front Right Corner Valve Percentage Open, Rear Cross Link Valve Percentage - Open, Rear Left Corner Valve Percentage - Open, Rear Right Corner Valve Percentage - Open, Reservoir Valve Percentage - Open, Terrain Mode
- **Instrument Cluster** - Fuel Gauge, Tachometer, Lamp and Buzzer tests
- **Body Control** - Left Corner Lamp Output Status, Right Corner Lamp Output Status

### **Special test fixes/improvements:**

- 2002 X-Type INSTRUMENT PANEL - fixed Fuel Gauge and Tachometer tests not working properly

## ***Land Rover Coverage***

- Expanded coverage for ZF Steering systems tests - Reset Adaptation Parameters, Steering Angle De-Initialization

### **7 new Adjustment type special tests including:**

- **ABS** - Brake Pressure Sensor Zero Pos. Compensation, Lat. Accel. Sensor Zero Pos. Calibration, Longit. Accel. Sensor Zero Pos. Calibration, Roll Angle Sensor Zero Position Compensation, Steering Angle Initialization
- **Steering** - Reset Adaptation Parameters, Steering Angle De-Initialization

### **37 new Actuation type special tests including:**

- **Transfer Case/AWD** - All Wheel Drive - Status, All Wheel Drive Propulsion Shaft Torque, LED Drive Status tests, Pump Output - Percentage, Terrain Mode, Valve Output
- **Suspension** - Damper Current tests, Exhaust Valve Percentage - Open, Front Cross Link Valve Percentage Open, Front Left Corner Valve Percentage Open, Front Right Corner Valve Percentage Open, Rear Cross Link Valve Percentage - Open, Rear Left Corner Valve Percentage - Open, Rear Right Corner Valve Percentage - Open, Reservoir Valve Percentage - Open, Terrain Mode
- **Instrument Cluster** - Fuel Gauge, Tachometer, Lamp and Buzzer tests
- **Body Control** - Left Corner Lamp Output Status, Right Corner Lamp Output Status

## ***Volkswagen Coverage***

- Expanded coverage for ZF Steering systems tests - Reset Adaptation Parameters, Steering Angle Sensor, Transfer Configuration, Write Configuration

### **18 new Adjustment type special tests including:**

- **Engine/PCM** - Oil Life Reset, Transmission Neutral Position Sensor Adaptation
- **Transmission** - Fast Adaption, Reset Engagement Counters, Reset Frequency Counter, Reset of System Specific Adaption Values
- **ABS** - Lateral/Long Accel and Yaw Rate Sensor
- **Steering** - Reset Adaptation Parameters, Steering Angle Sensor, Transfer Configuration, Write Configuration

### **10 new Actuation type special tests including:**

- **Engine/PCM** - Charge Motion Valve, Cold Start Injector, Cold Start Valve, Readout System State Control Module Tank Leak Detection, Turbocharger Bypass Solenoid Valve
- **Transmission** - Open Converter Clutch, Shift Lock

### **Special test fixes/improvements:**

- 2009 Tiguan ENGINE - fixed Oil Light Reset test not available

### **Other fixes/improvements:**

- 2010 Sport Wagen DOOR modules - fixed communication issues
- 2001 Jetta ABS and IPC - fixed Clear Codes errors