



## Release Notes

### Version 2.9.0.21

#### Overview:

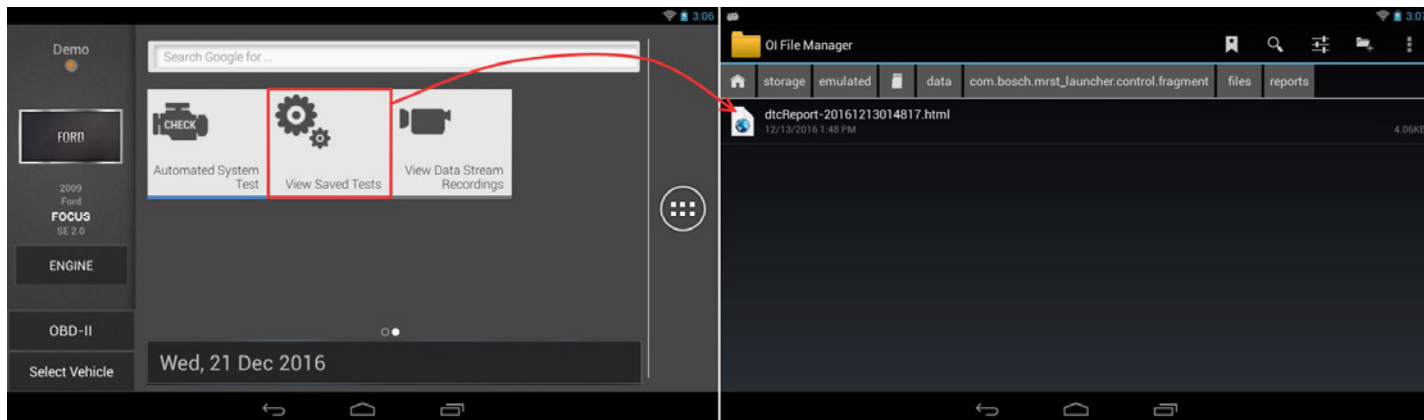
*The new version 2.9.0.21 contains major software improvements. Also provided are selected highlights of new features, fixed issues reported by technicians, and other improvements. You may notice many more in the software that are just too numerous to identify individually. Many thanks for the useful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

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

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

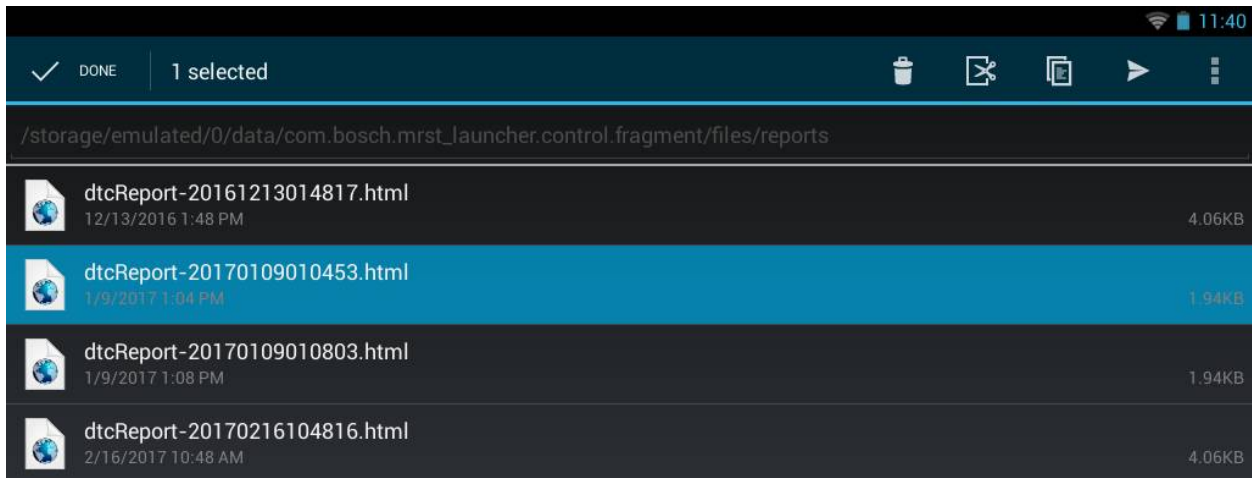
## New Features

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

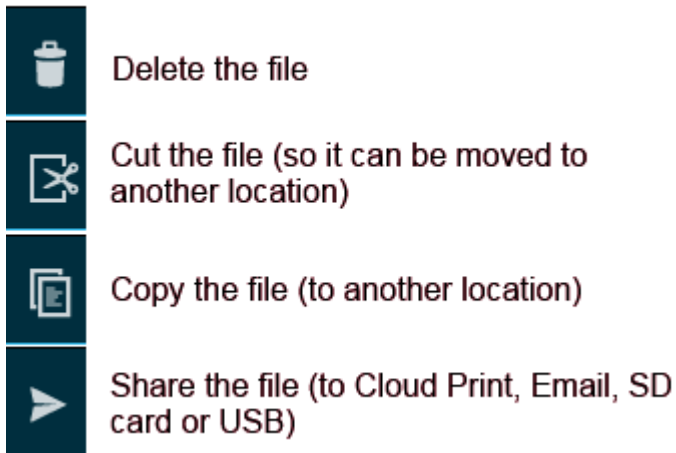


*Tips and Tricks:* Sharing and editing previously saved reports

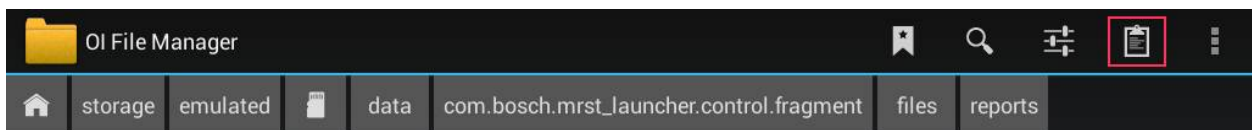
- After launching “View Saved Tests”, from OI File Manager, you can long press on any file to bring up the Edit and Share menu:



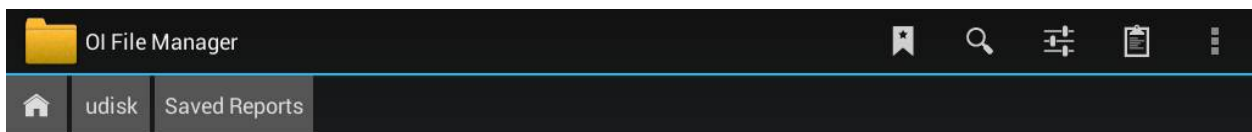
- From here, you can do one of the following options:



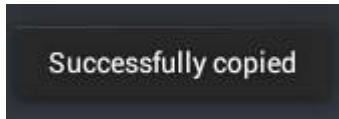
- To “Copy” or “Cut” the selected file, tap on the “Copy” or “Cut” option and then notice that the “Paste” option will become available:



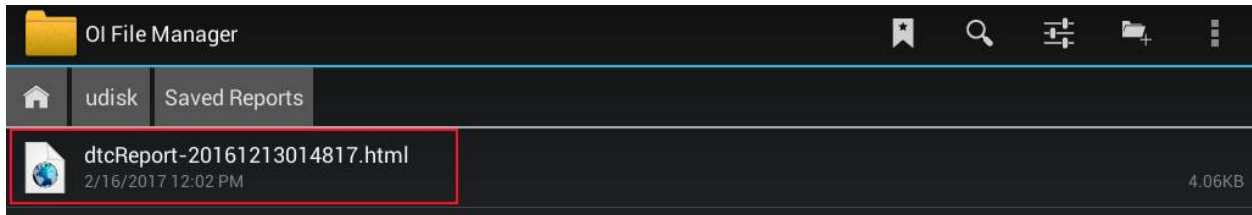
- Navigate to the location you want to paste the file to, for example a “Saved Reports” folder on your USB stick:



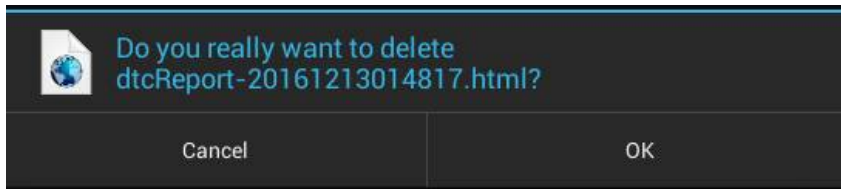
- Then tap on the “Paste” option. When successfully copied, the toast will appear at the bottom:



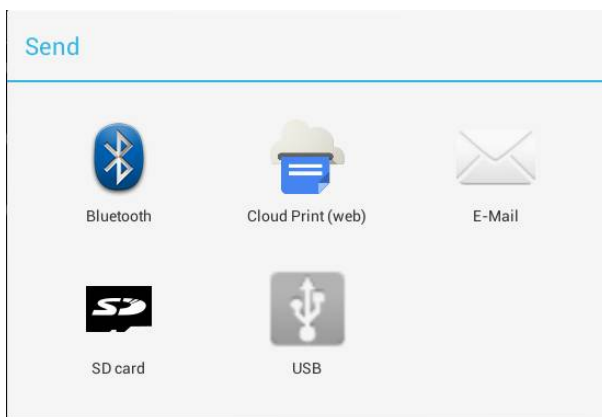
And your file will now be copied or moved:



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



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



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



## ***ASDTC / AST***

## ***Data Stream***

## ***Language Improvements***

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



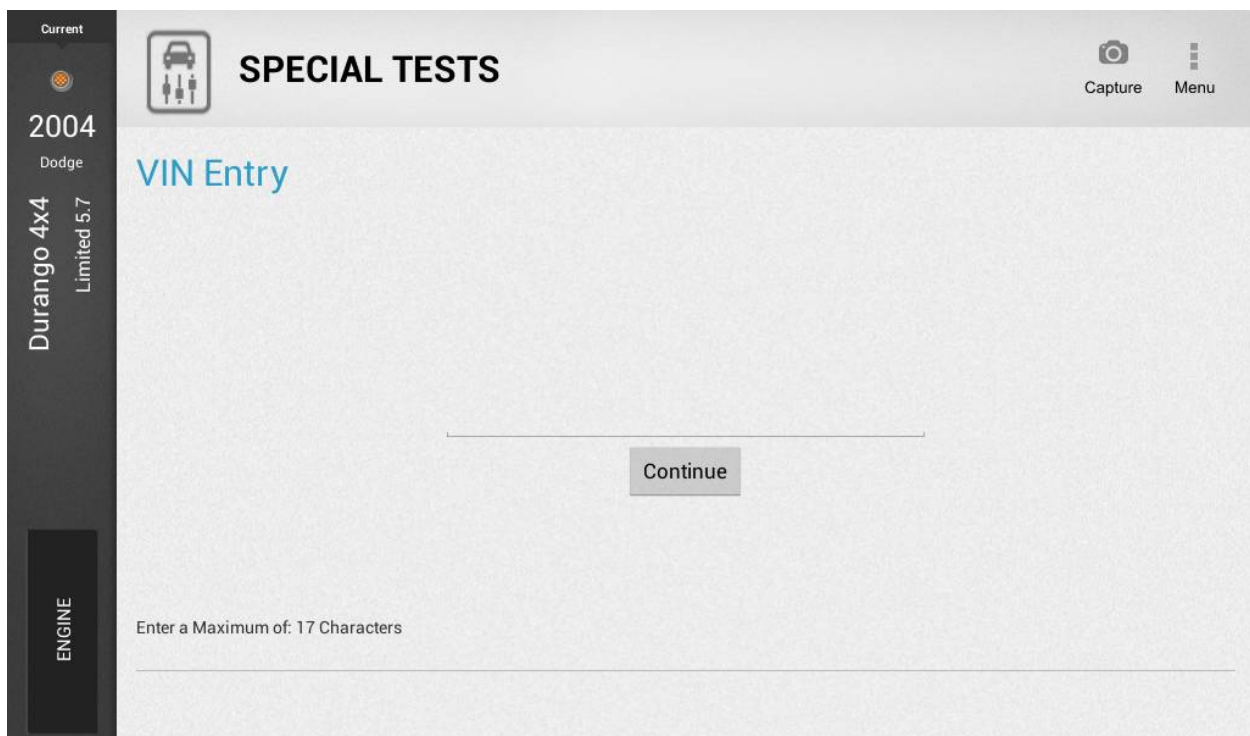
## ***Diagnostic Trouble Codes***

## ***Vehicle Selection***

## ***Other System Improvements***

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

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

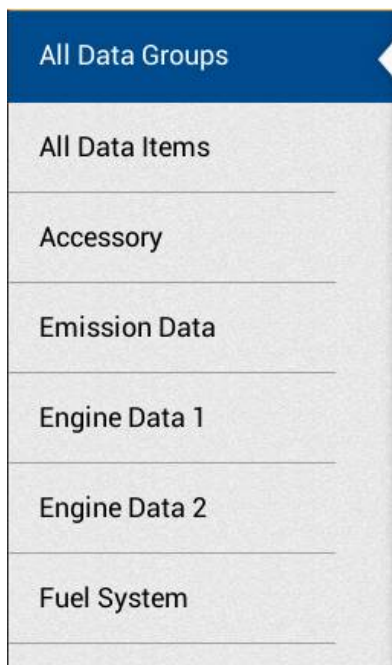


- **The OBD-II Cable screens will no longer display a part number for the "Generic" OBD-II cable. Instead, the user will see the term "OBD-II Cable" as shown below:**

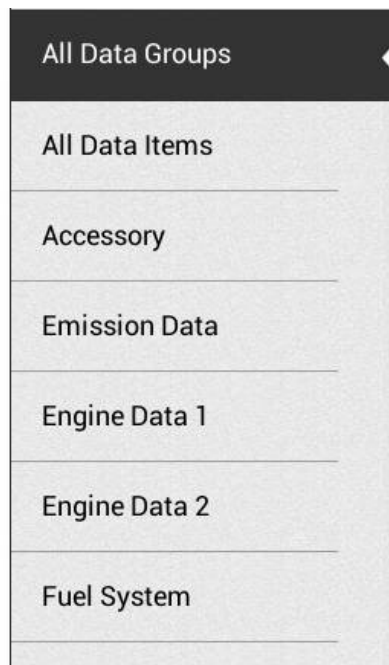


- Consolidation of Color Themes in certain areas of the tool can be seen.
  - The selected background for all left-navigation lists will be changed from blue to black:

*Before*



*After*

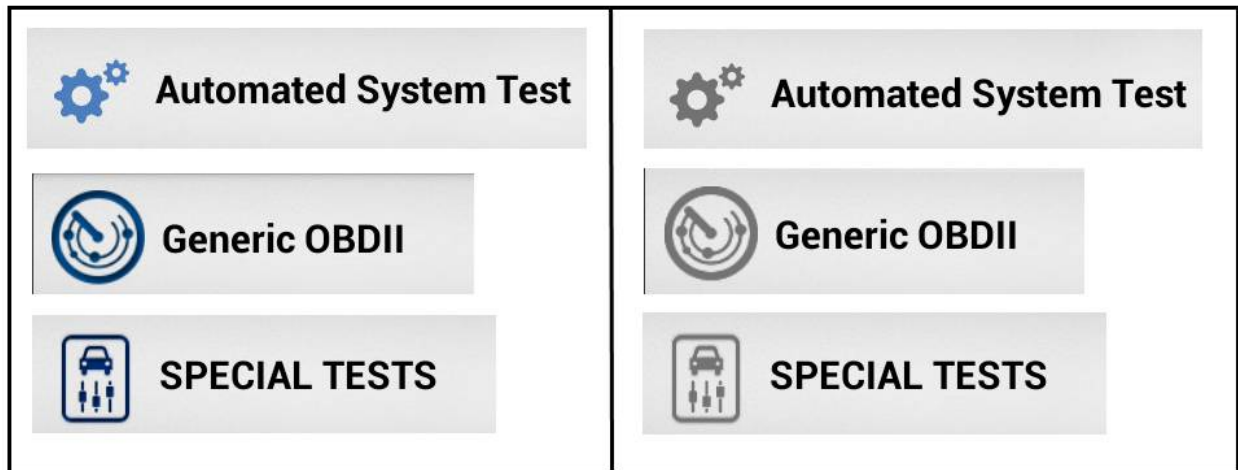


- The following icons on the header bars will be updated to grey to be more consistent with other icons in tool.
  - Automated System Test

- Generic OBDII / Global OBDII
- Special Tests

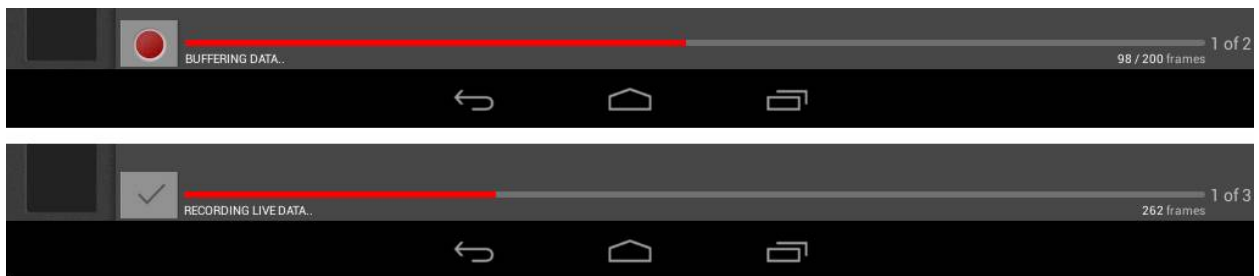
Before

After



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

Before



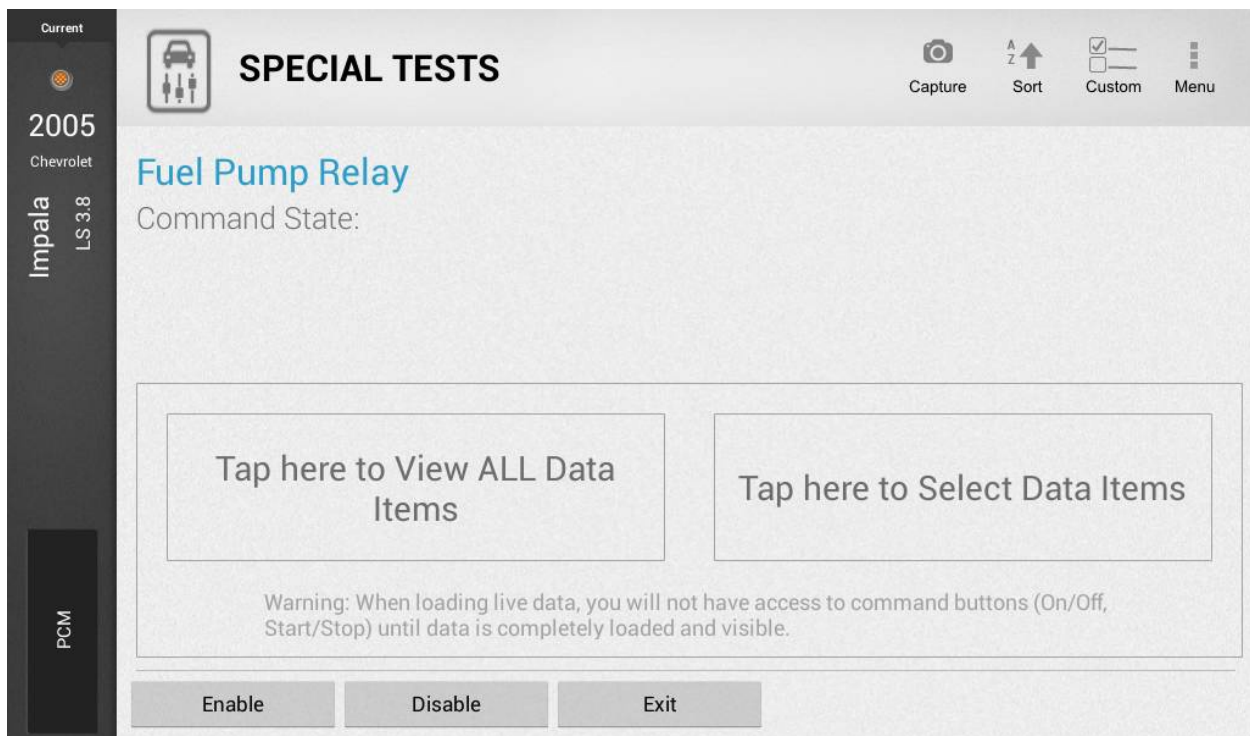
Log

After



### ❖ Custom Data Stream in; Special Tests

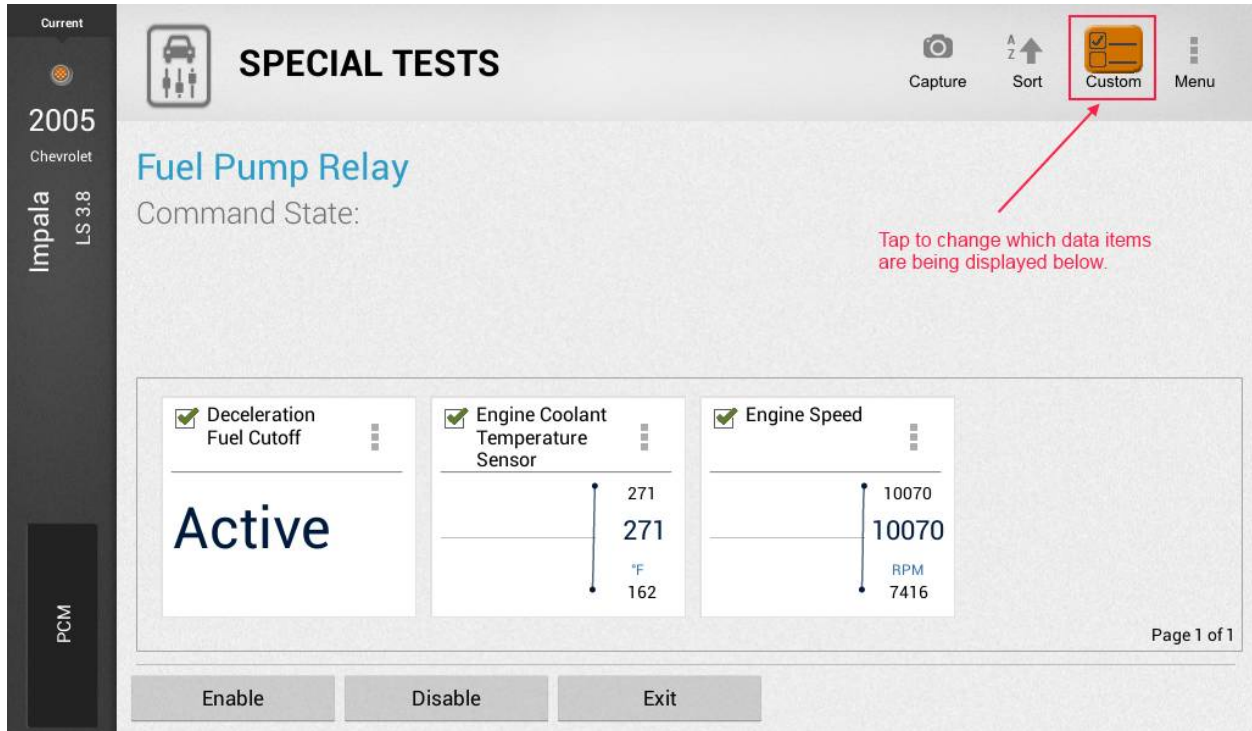
Custom Data Stream Support in Special Tests has been added. Users can still optionally choose to load Data Items in a Special Test if they want to, but now they can pick which Data Items to load.



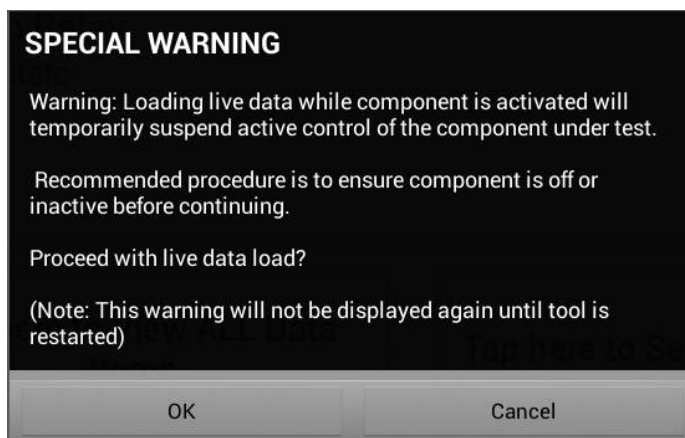
- To load all of the available Data Items select: "Tap here to View ALL Data Items"
- To select which Data Items to view on screen select: "Tap here to Select Data Items"
  - This will load the Custom Data Item selection box giving you the opportunity to pick which Data Items to load:



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



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



#### ❖ Common Icon Text Descriptions in Spanish and French

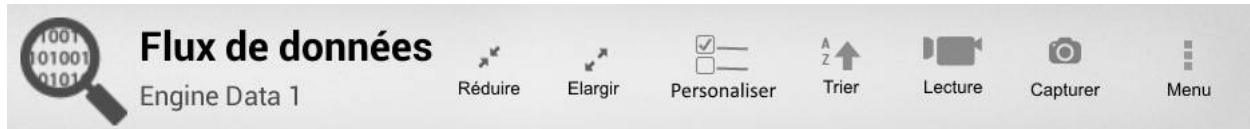
Icon text descriptions are now available on all Header bars in the tool in Spanish and French.

## Spanish



## French

### Data Stream



## New Vehicle Coverage

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

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

## ***New Coverage – USA Domestic***

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

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

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

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

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

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

**Special test fixes/improvements:**

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

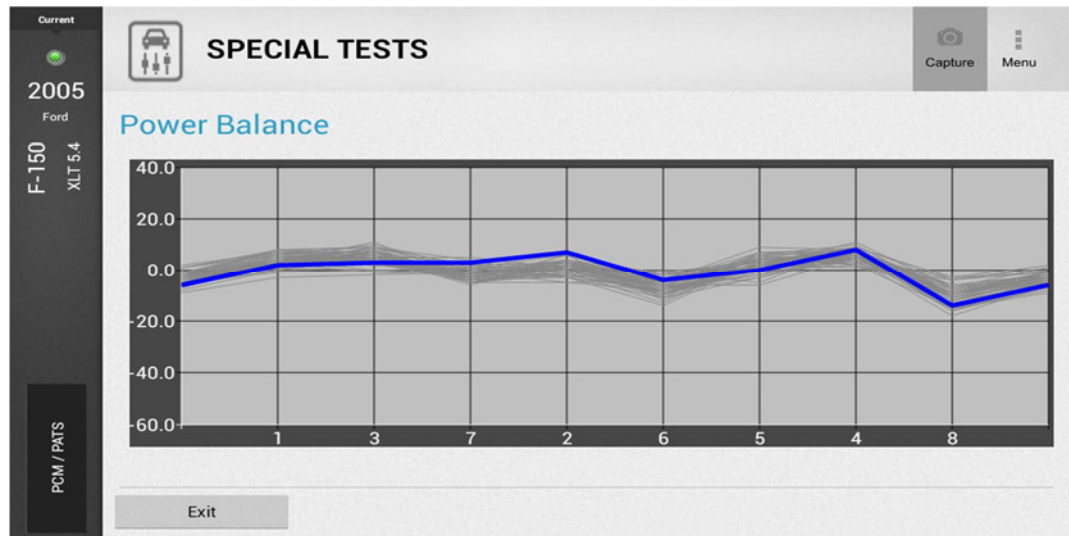
**Updated Diagnostic Information for the following:**

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

**Ford Coverage**

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

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



- MAF Sensor Contamination Test

**SPECIAL TESTS**

### MAF Sensor Contamination Test

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

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


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

Continue    Abort

Current

2005  
Ford  
F-150  
XLT 5.4

PCM / PATS

 **SPECIAL TESTS**

Capture Menu

### MAF Sensor Contamination Test

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

LTFT-B1	0 %
LTFT-B2	0 %


Yes No Exit

- o Fuel System Test

Current

2005  
Ford  
F-150  
XLT 5.4

PCM / PATS

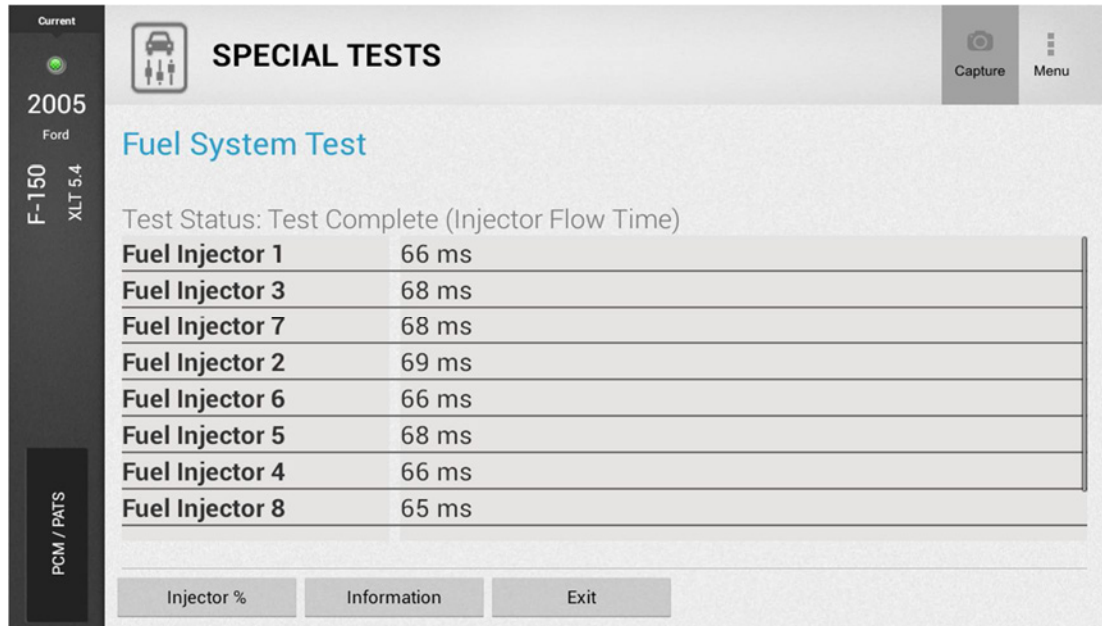
 **SPECIAL TESTS**

Capture Menu

### Fuel System Test

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

Continue Abort



### 9 new Adjustment type special tests including:

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

### 158 new Actuation type special tests including:

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

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

**Special test fixes/improvements:**

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

**Other fixes/improvements:**

- 1996-1997 Explorer ABS - fixed communication issues

**Updated Diagnostic Information for the following:**

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



## **General Motors / Saturn Coverage**

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

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

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

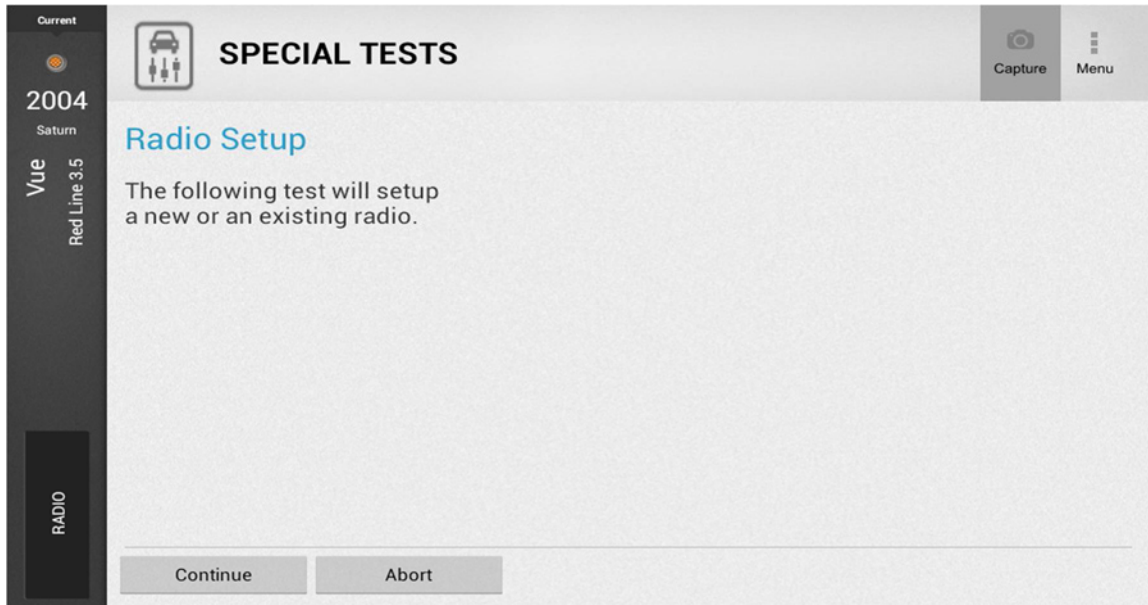
### **557 new Actuation type special tests including:**

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

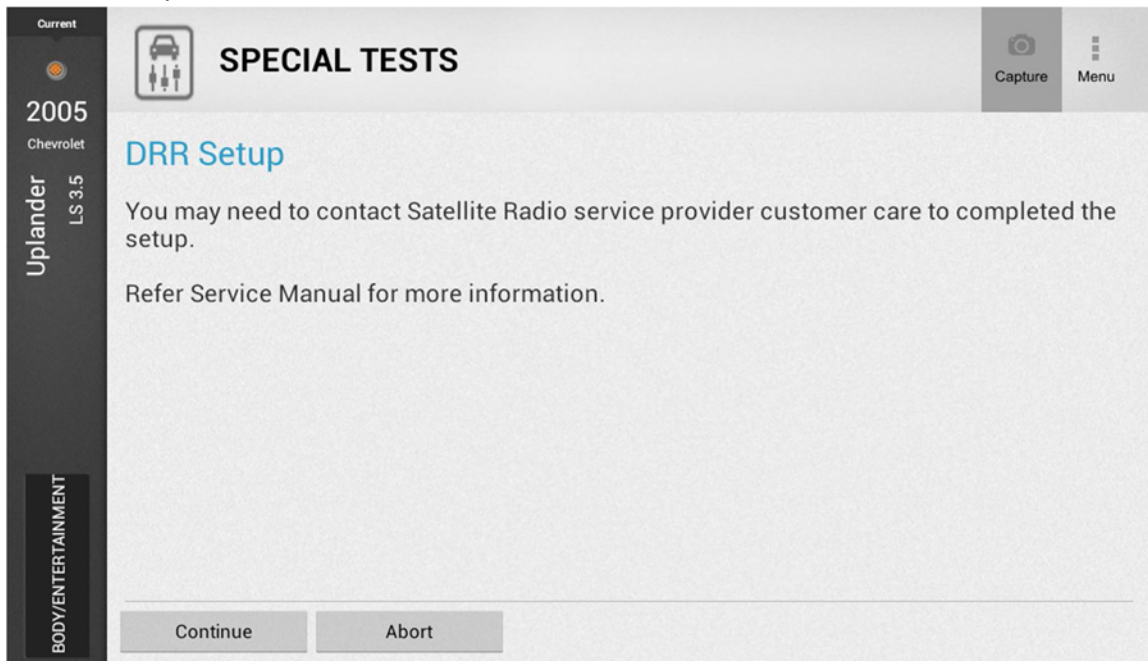
- Suspension - All Shock Solenoids, Chassis Pitch Signal, LF Shock Solenoid, LR Shock Solenoid, RF Shock Solenoid, RR Shock Solenoid
- **Instrument Cluster** - Dimming tests, Gauge tests, Lamp tests, Button tests
- **Climate/HVAC** - Air Inlet Door, Driver Heated Seat, Passenger Heated Seat, Recirculation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

**Special test fixes/improvements:**

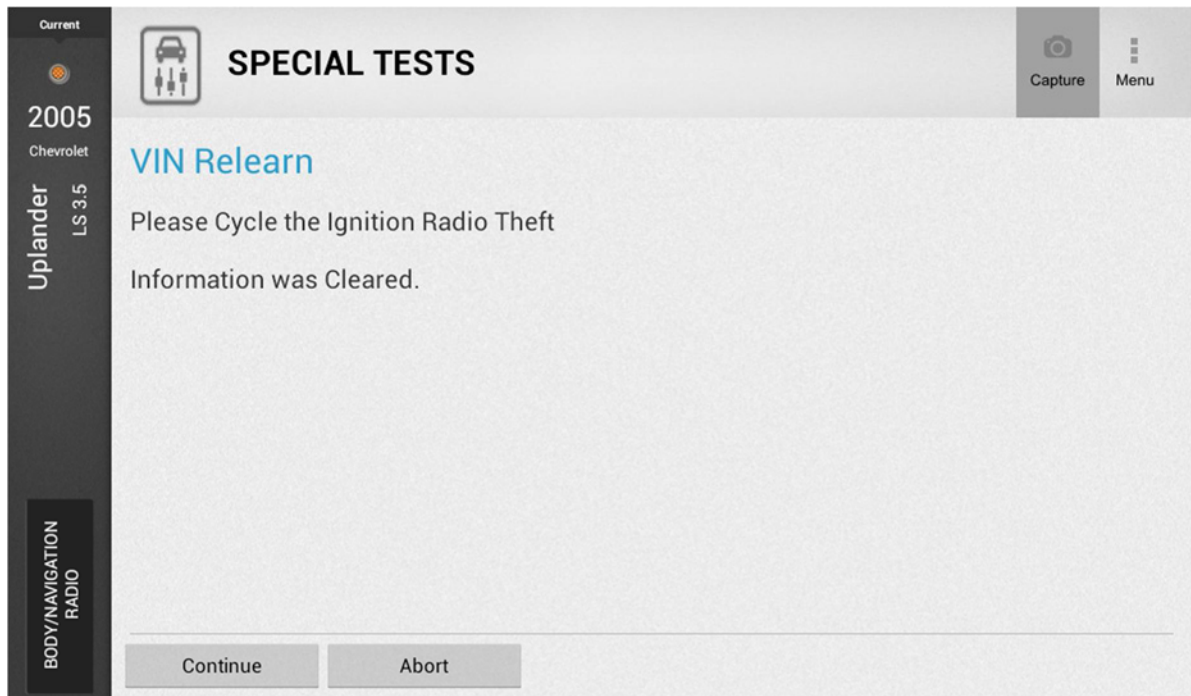
- 2015 Silverado HD 6.6L - fixed Reductant System Leak Test not available
  - 2013 Silverado HD ABS - fixed Yaw Rate Calibration test not available
  - 2005 Sierra 5.3L - fixed Special Tests not available
  - 2012 Captiva ENGINE - fixed no tests available
  - 2009 Silverado HD HVAC - fixed HVAC Sensor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



- 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

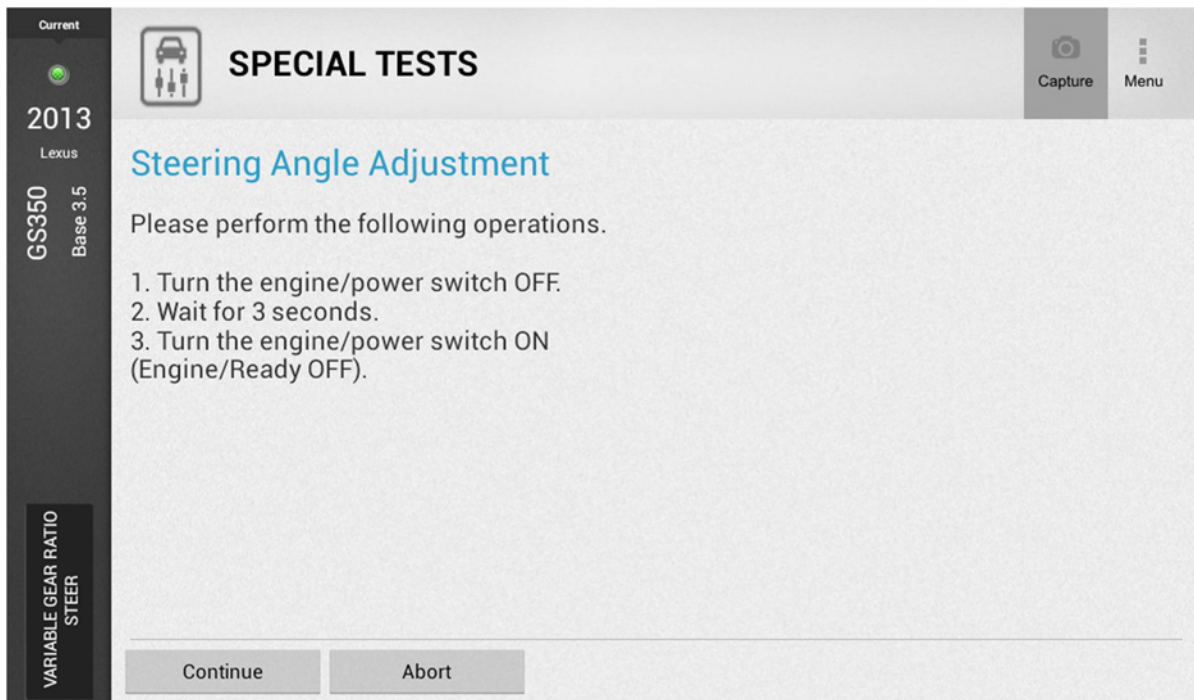


## Toyota/Lexus Coverage

- 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

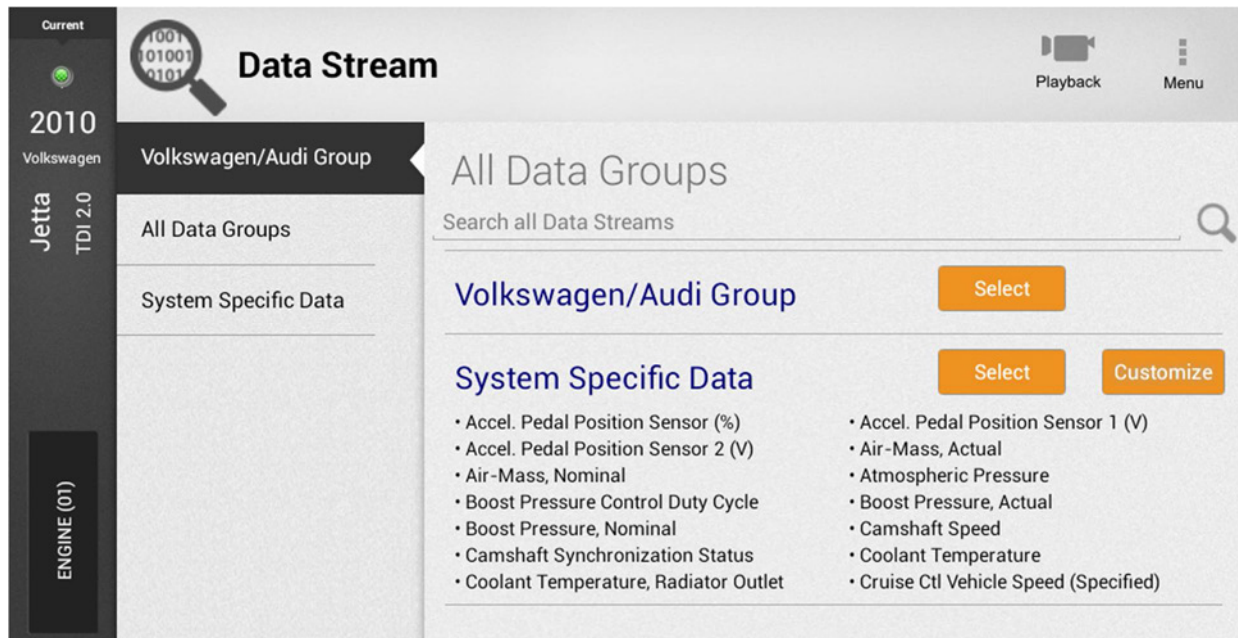
**Smart Coverage**

**Updated Diagnostic Information for the following:**

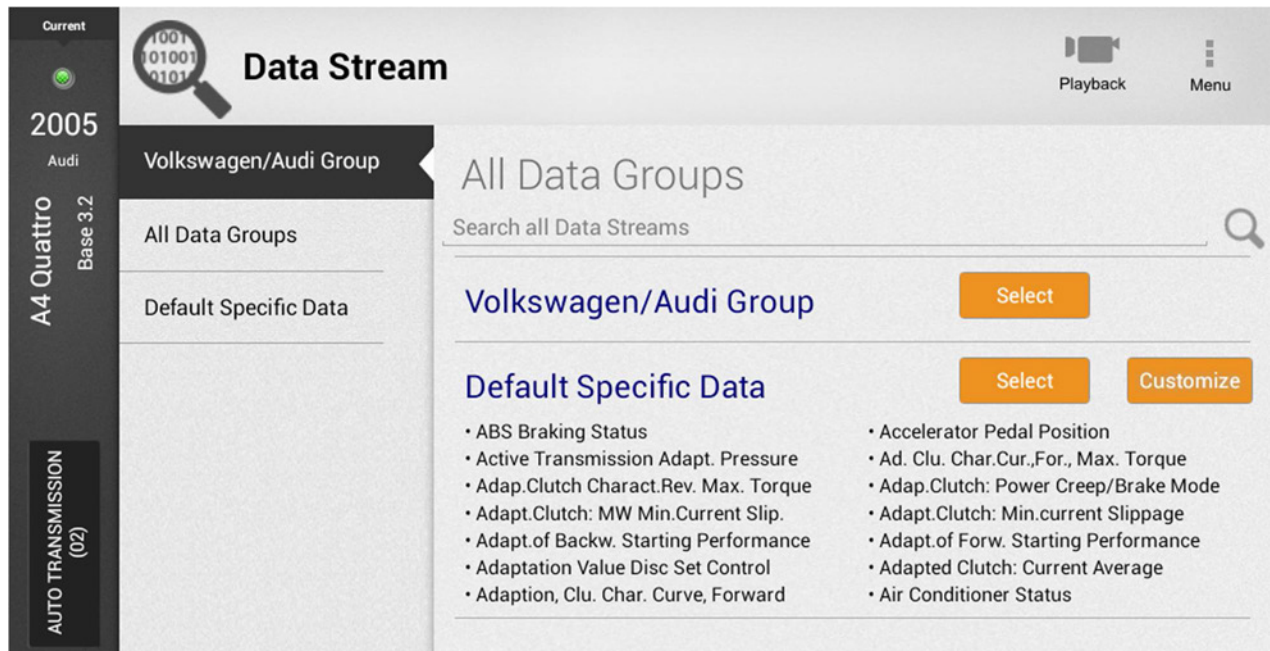
- ABS Brake Bleed Procedures through 2014
- Oil Light Reset Procedures through 2014
- TuneUp Specifications through 2014

**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!***

# 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*

HTMLViewer 4:48

## All System DTC Scan Report

**Vehicle Information**  
2010 GMC Acadia SL 3.6 ENGINE

## DTCs

**Primary Controller ENGINE**

<b>P0008-00</b> Engine Position System Performance Bank 1  <input type="button" value="Fail Since Clear"/>	<b>P0009-00</b> Engine Position System Performance Bank 2  <input type="button" value="Fail Since Clear"/>	<b>P000A-00</b> Intake Camshaft Position (CMP) System Slow Response Bank 1  <input type="button" value="Fail Since Clear"/>
--	--	---

# ASDTC

Generated: 05/15/2017 04:50 pm

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

# DTC Report

## Vehicle Information

2010 GMC Acadia SL 3.6 ENGINE

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

After – DTC Report

## DTC REPORT

Generated: 05/15/2017 04:45 pm

### VEHICLE INFORMATION

**2010 GMC Acadia SL 3.6**

VIN	1GKLRKED5AJ999999
Primary Controller	ENGINE

### DTCS

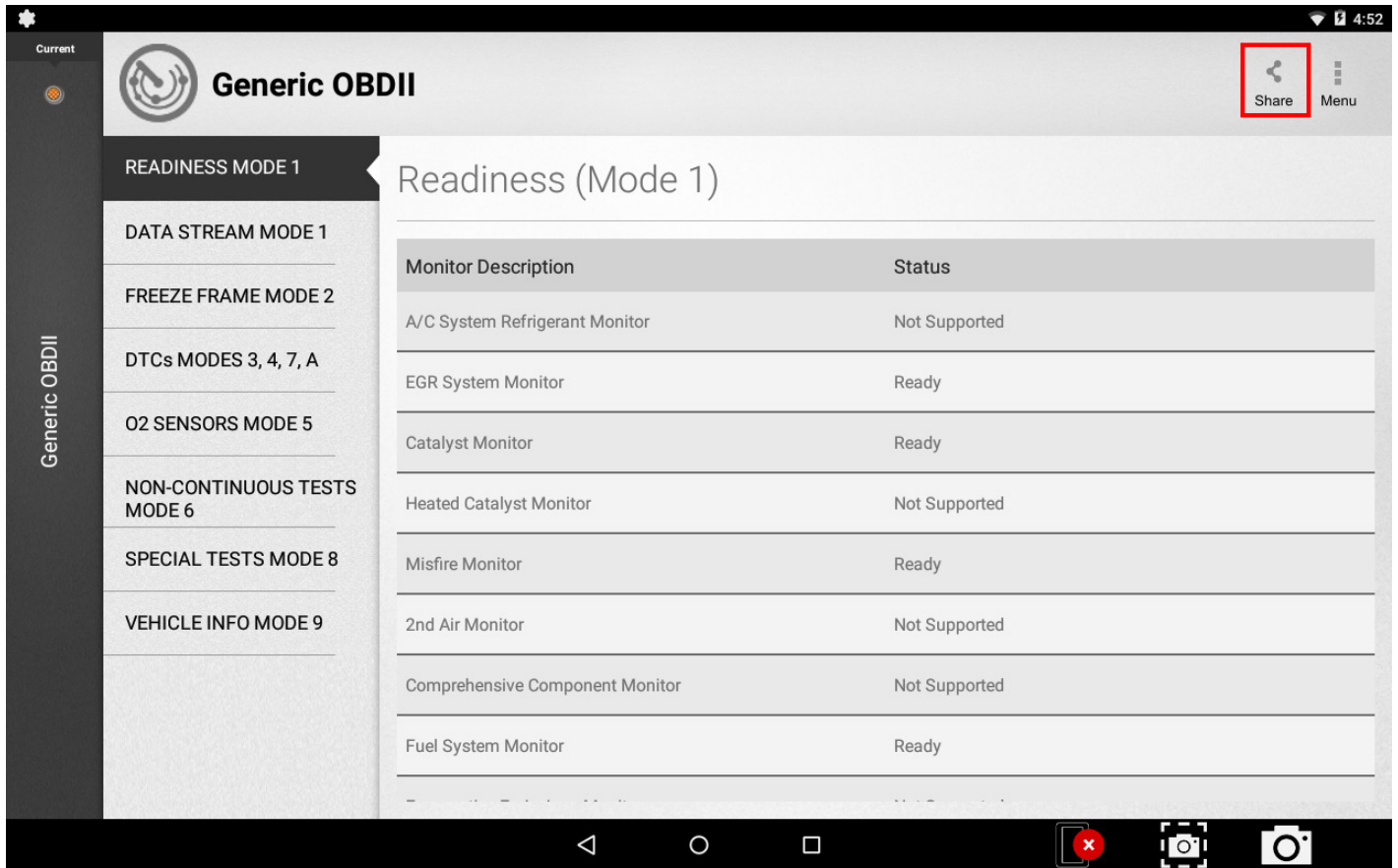
#### Primary Controller ENGINE

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
P0009-00	MIL Codes	Engine Position System Performance Bank 2
P000A-00	MIL Codes	Intake Camshaft Position (CMP) System Slow Response Bank 1
P0008-00	History Codes	Engine Position System Performance Bank 1
P0009-00	History Codes	Engine Position System Performance Bank 2
P000A-00	History Codes	Intake Camshaft Position (CMP) System Slow Response Bank 1
P0008-00	Current Codes	Engine Position System Performance Bank 1

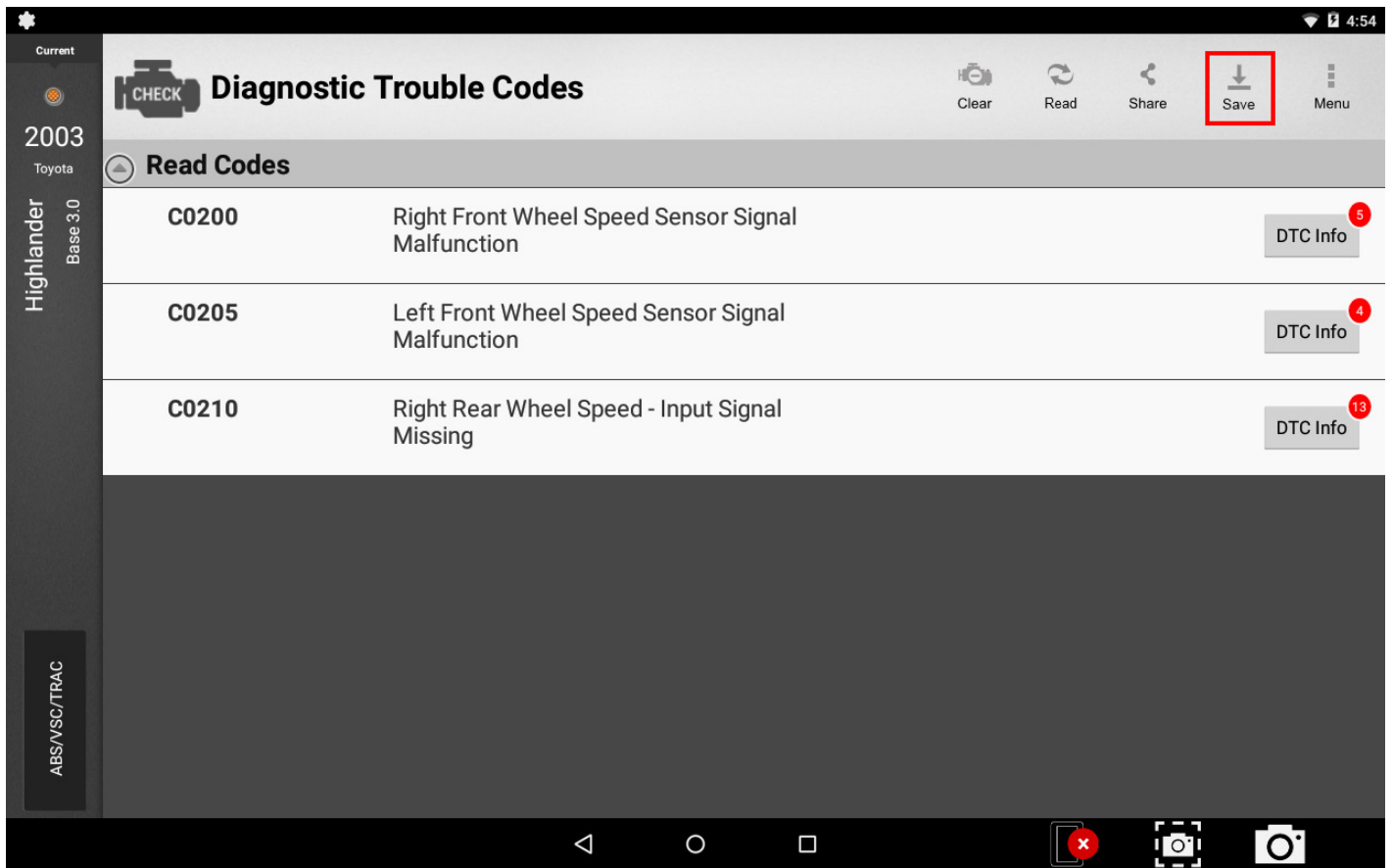


In addition to the new updated Reports Layout, you will also see:

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



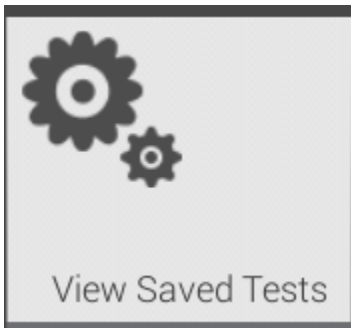
- Save button is added to DTC, All System DTC Scan and Automated System Test to let you save those reports for future viewing from the "View Saved Tests" Home tile:



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

dtcScanReport-20170504125140.html report was saved. Please view under 'View Saved Tests' from Home screen

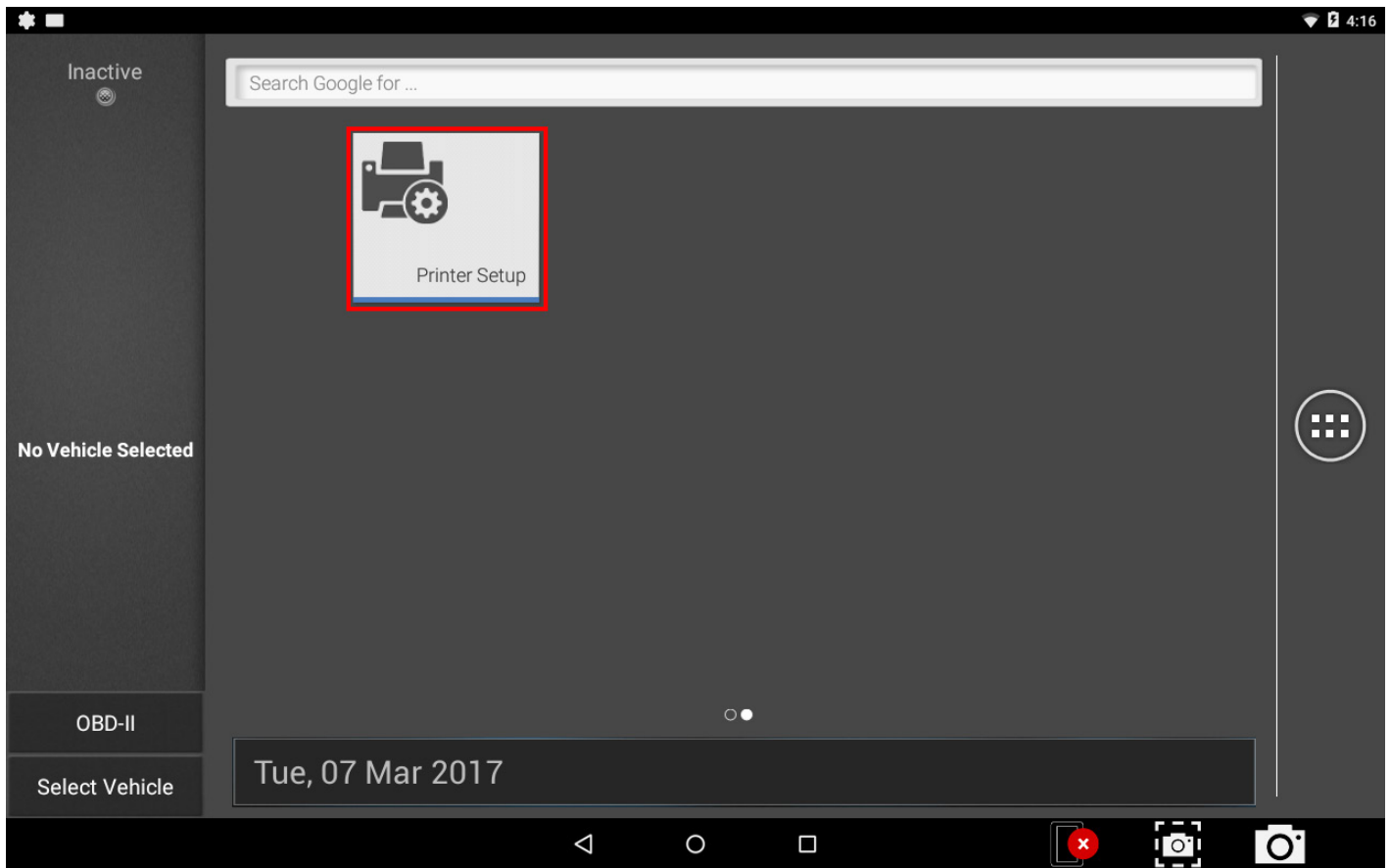
- You can access this file by tapping on the “View Saved Tests” tile on the Home Screen:



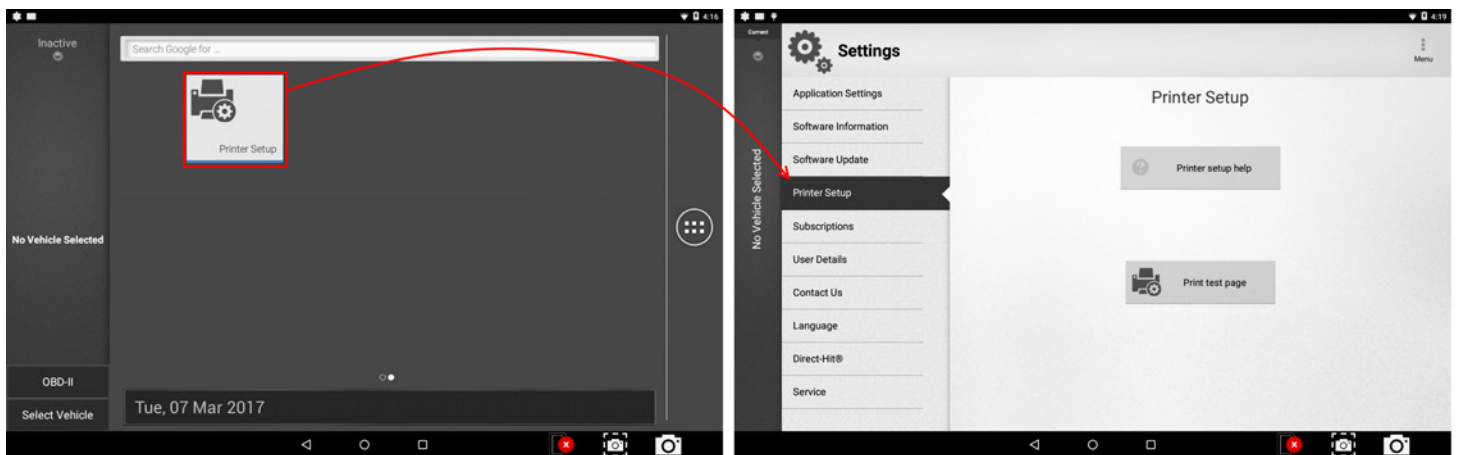
## ***Printer Setup Improvements***

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:

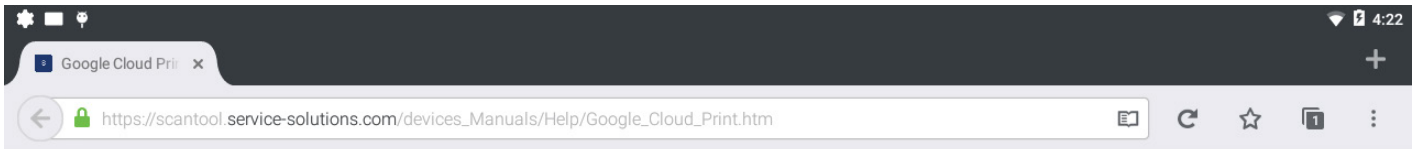
Home Screen:



Home > Settings:

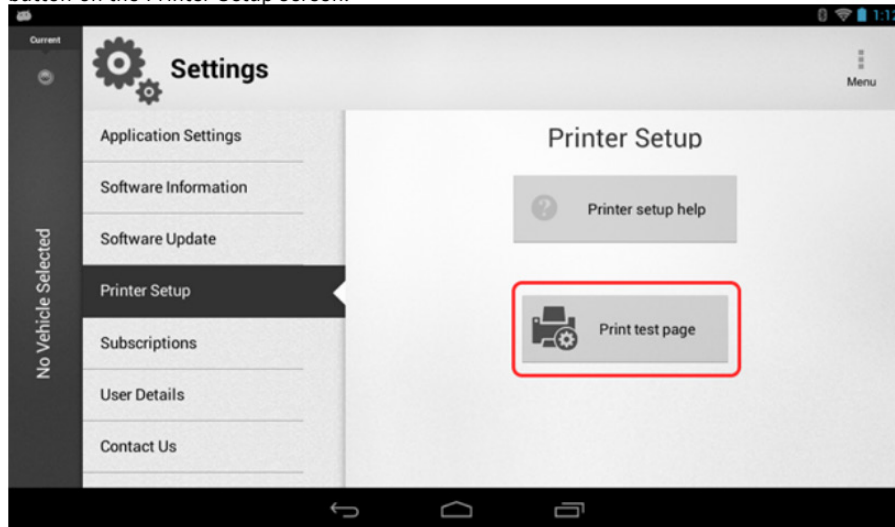


For more information on Printer Setup, tap on the “Printer setup help” button to launch a web browser with the steps necessary for assisting you in setting up your printer:



## 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 from Wiring Diagrams*

**Step 1:** On the Wiring Diagrams view, tap on the “Print” button:



Page 1/1

Navigation icons: Home, Back, Forward, Refresh, Print, Share, Rotate, Close.

**Step 2:** The Preview will be prepared:

Save as PDF

Copies: 1 Paper size: ISO A4

Preparing preview...

**Step 3:** Once the preview is generated, select "Generic Cloud Printer" from the drop-down selection at the top left:



**Step 4:** Make any changes to the number of copies and paper size and then tap on the “Print” button shown below:



**Step 5:** You will be automatically re-directed to Google Cloud Print where you can save it to your Google Drive for later access, or you can select the printer of your choice:

Search destinations

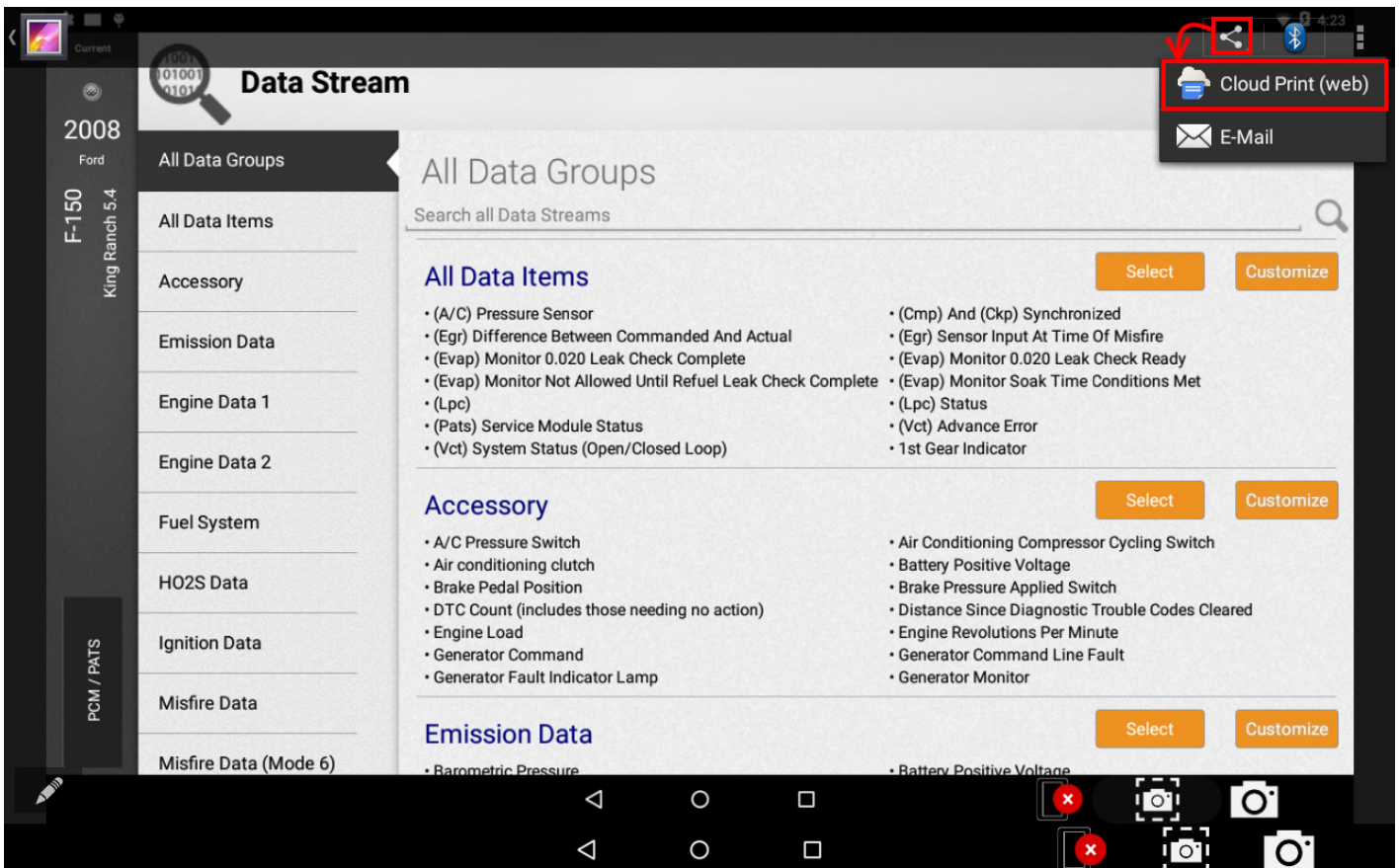
- Save to Google Docs  
Save your document as a PDF in Google Docs
- HP Officejet Pro 6230 (Network)  
Owned by Engineer

\*\*\*\*\*@gmail.com [Sign out](#)  
© 2017



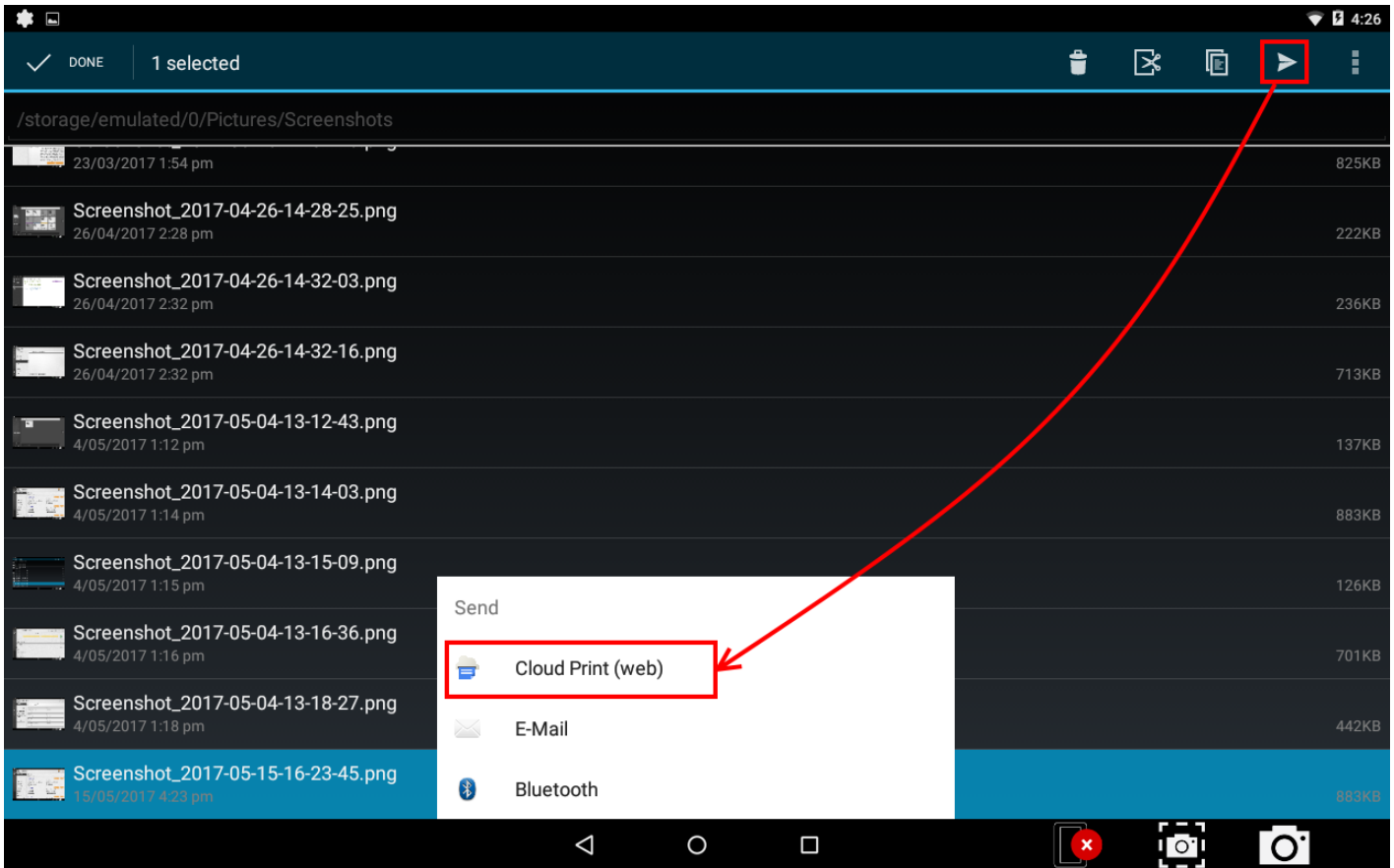
### Printing Screenshots

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)”:

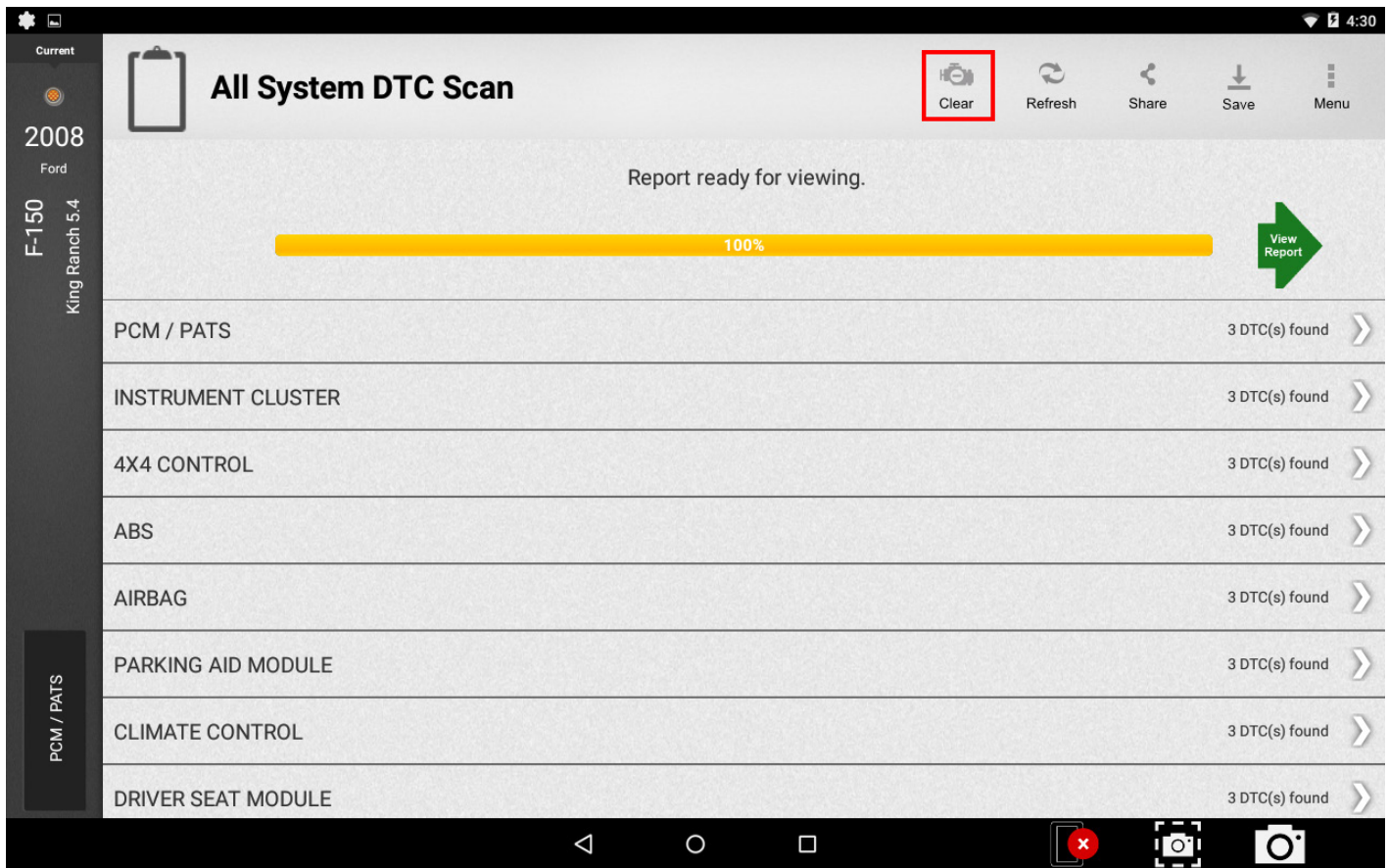


## All System DTC Clear

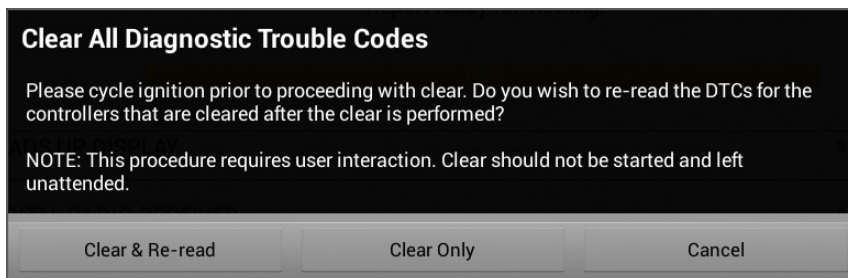
All System DTC Clear is now available after running an “All System DTC Scan” or “Automated System Test” so long as DTCs were found on any of the controllers scanned.

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



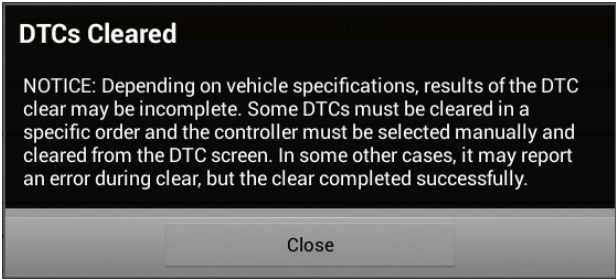


Tapping on the “Clear” button will bring up the following confirmation dialog:



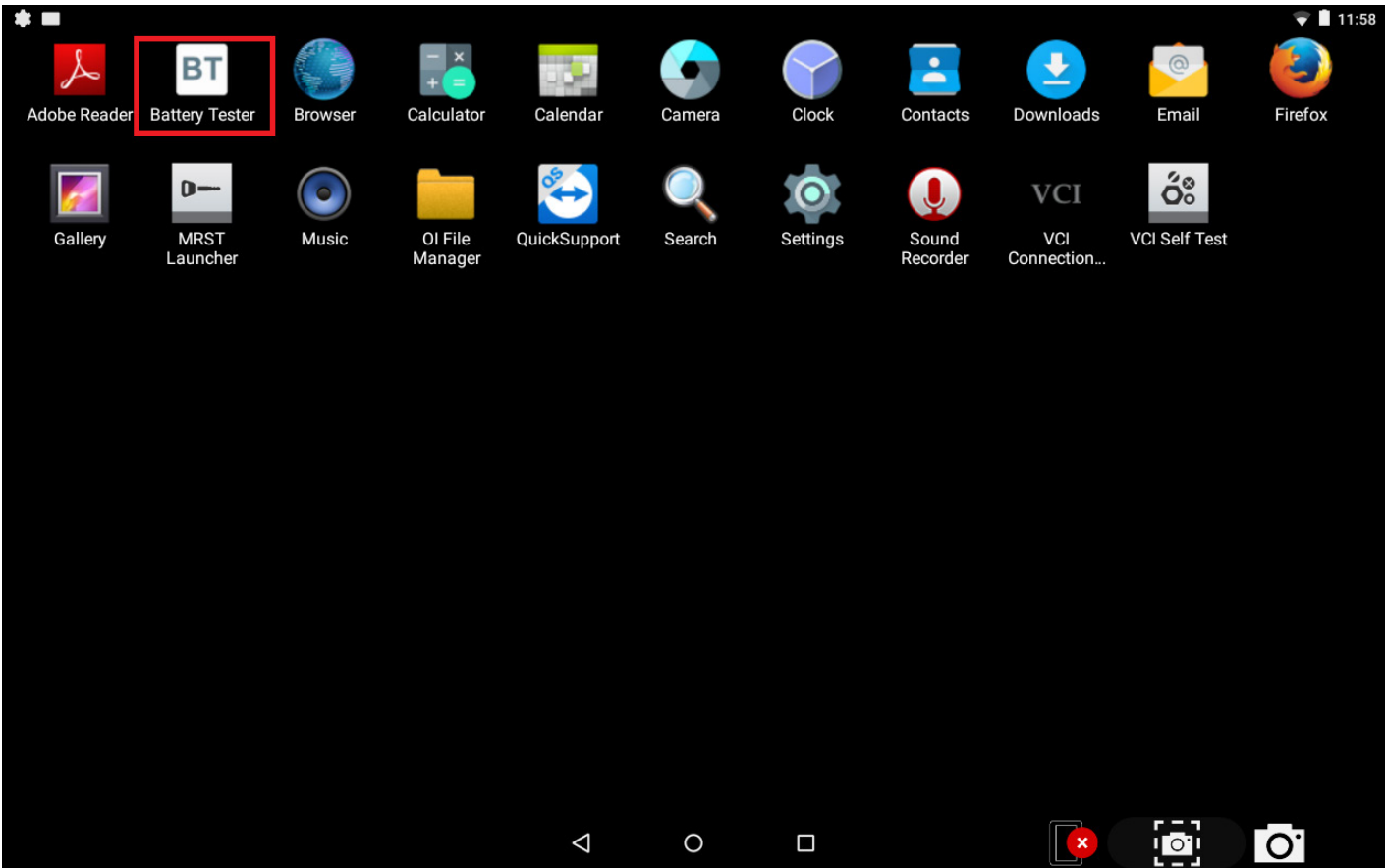
- Tapping **Clear & Re-read** will send the Clear DTC command on the controllers with DTCs, and then immediately issue the Read DTC command on those controllers.
- Tapping **Clear Only** will send the Clear DTC command on the controllers with DTCs and report the results on the screen.
- Tapping **Cancel** 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.

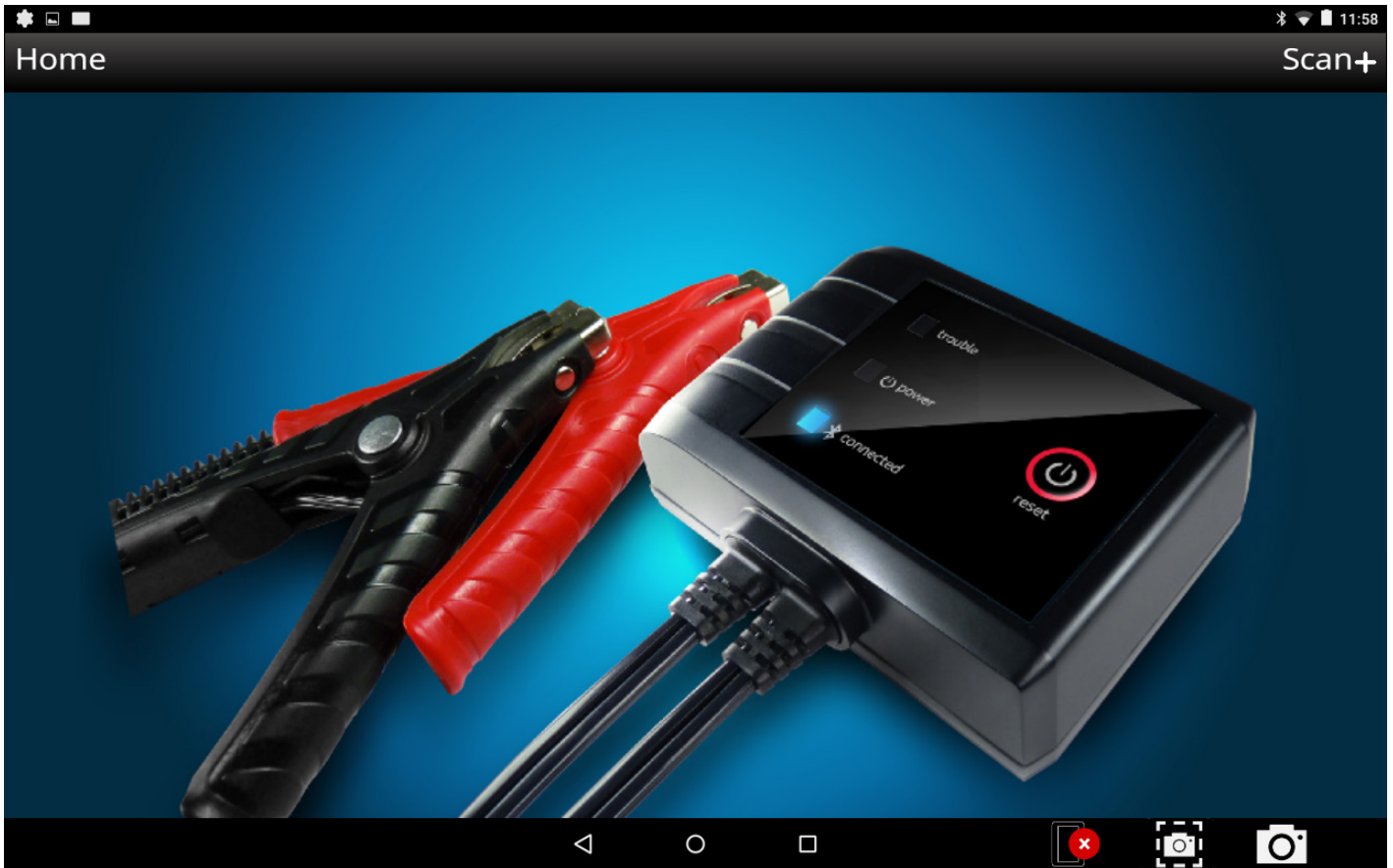


## **Battery Tester App**

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*

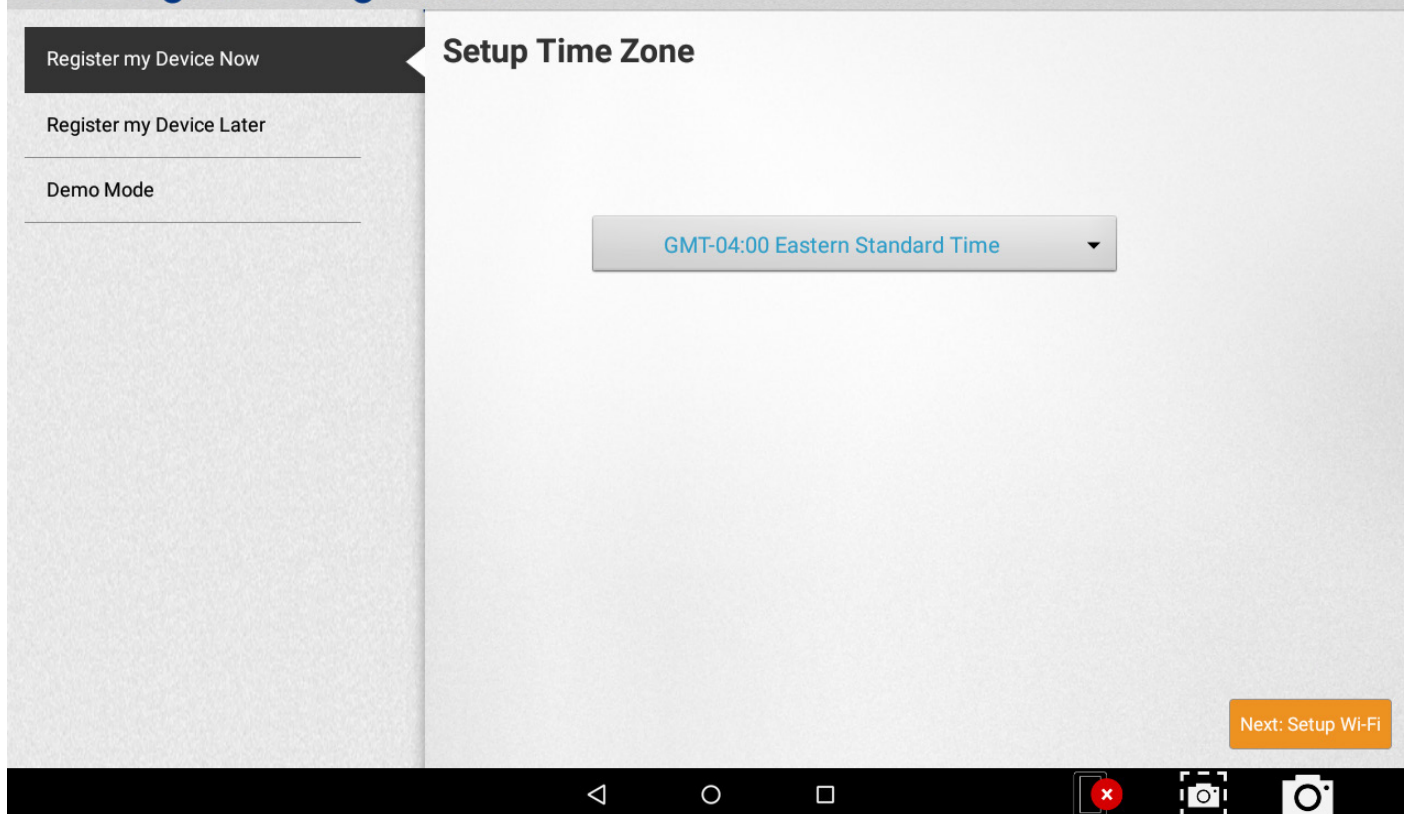
There is a new Search by VIN entry screen available on the Vehicle Bay. Performs basic verification checks on your inputted VIN:



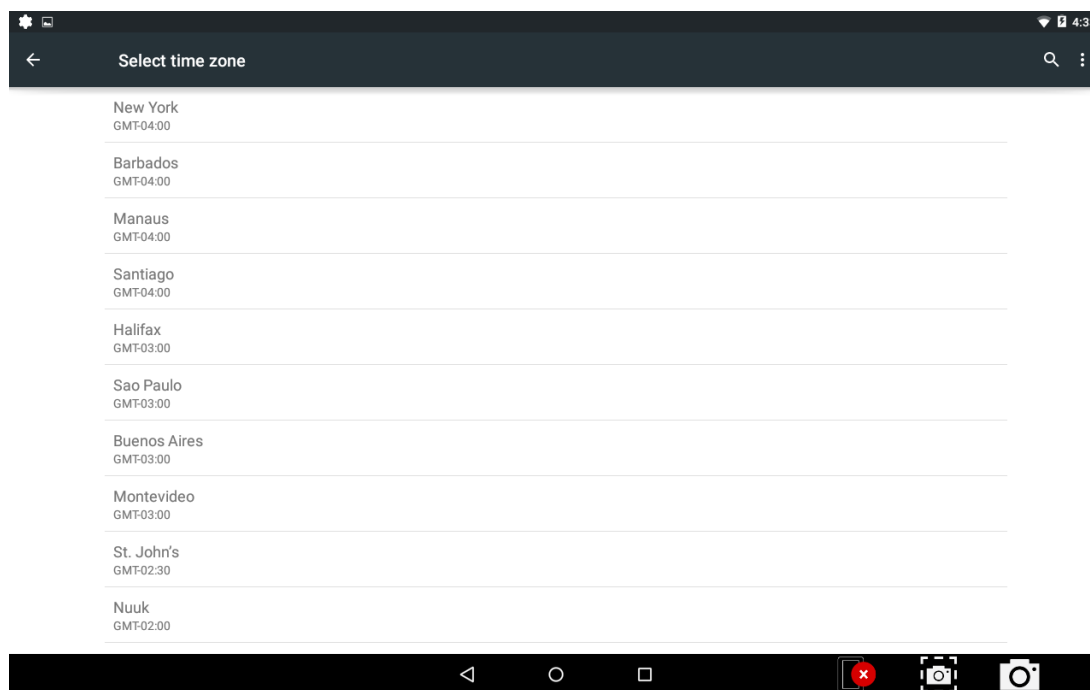
### *Registration On-Boarding Process*

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!



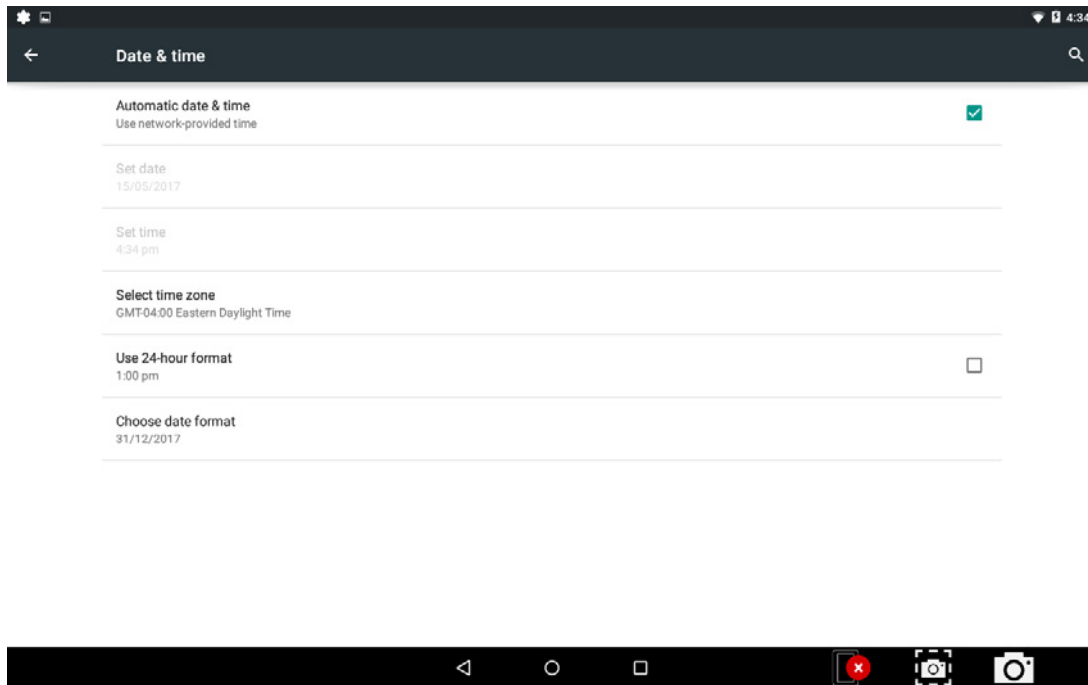
NOTE: For registered users, the time zone can be set in the “Date & Time” option in Android Settings by tapping on “Select time zone”:



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:

*You've got the right tool!*

## Printer Setup

Printer setup help

Print test page

Skip

If skipped, you may setup a printer later from settings.



## ***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:**
  - Data Item Operating Ranges for 2015MY Mitsubishi
  - 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

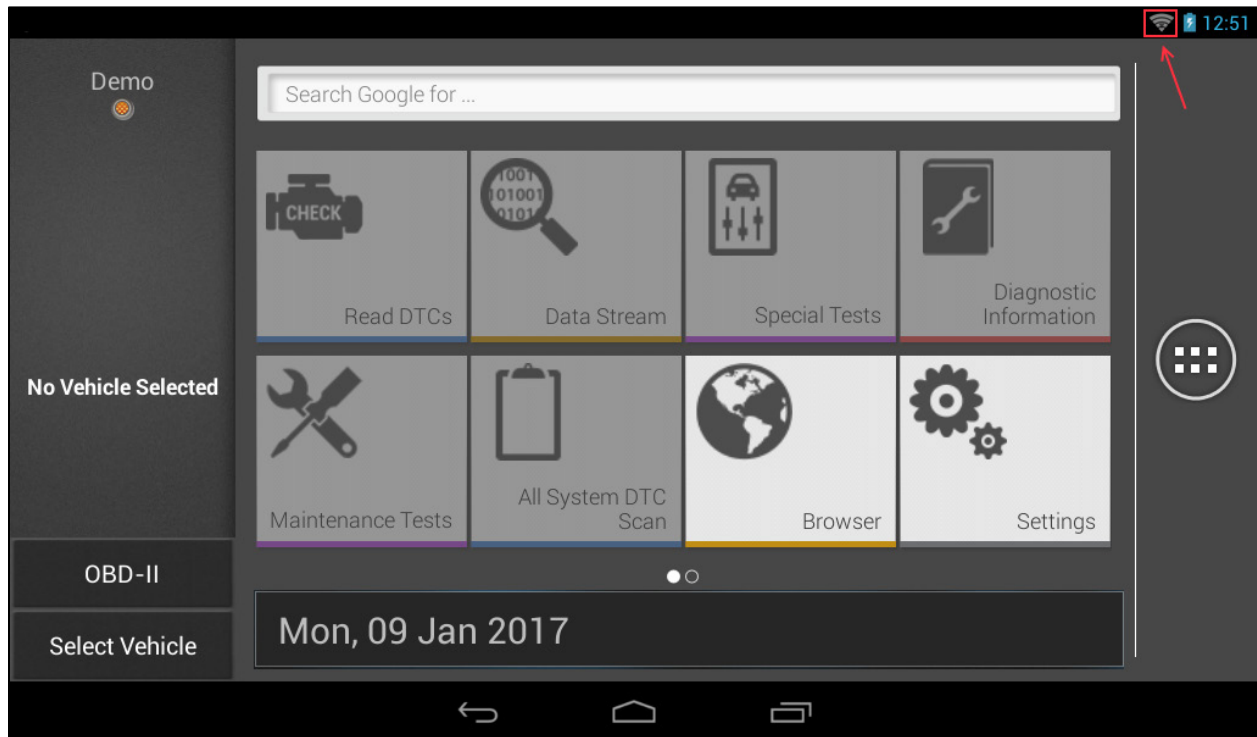
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- TPMS Quick Reference information

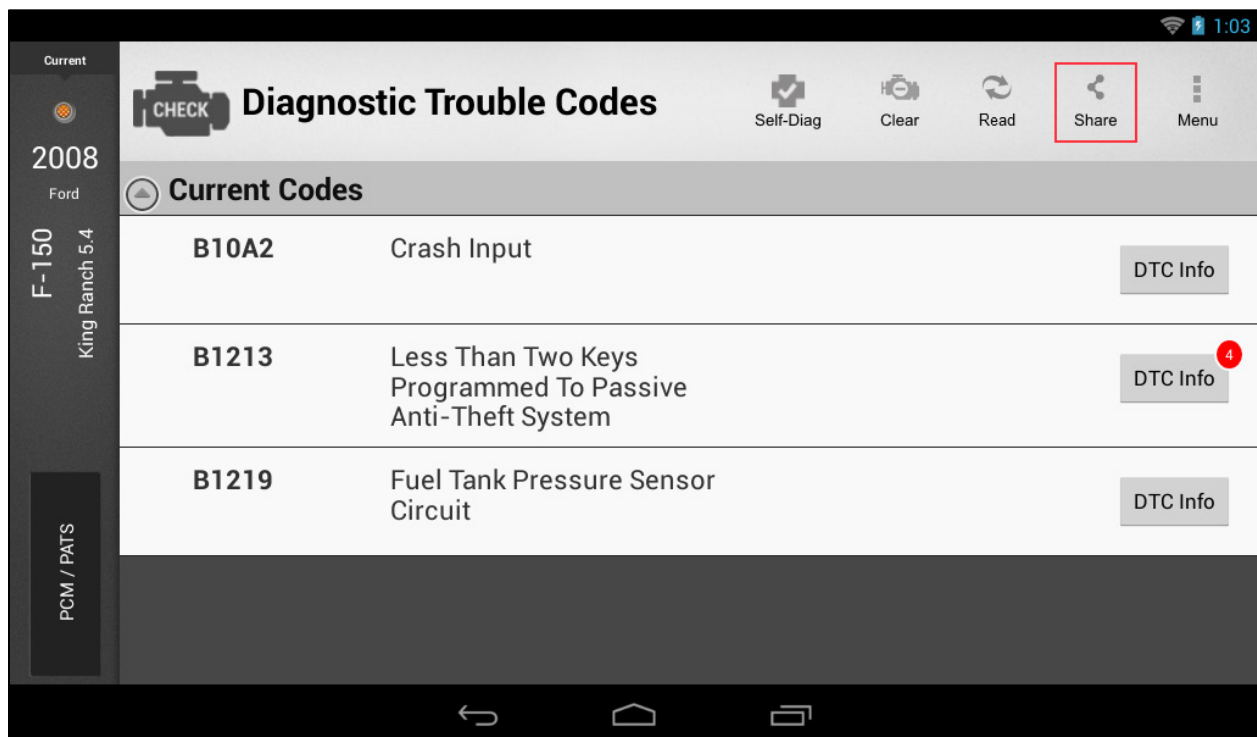
***Thank you for your patronage!***

## To use Google Cloud Print from Encore/Evolve

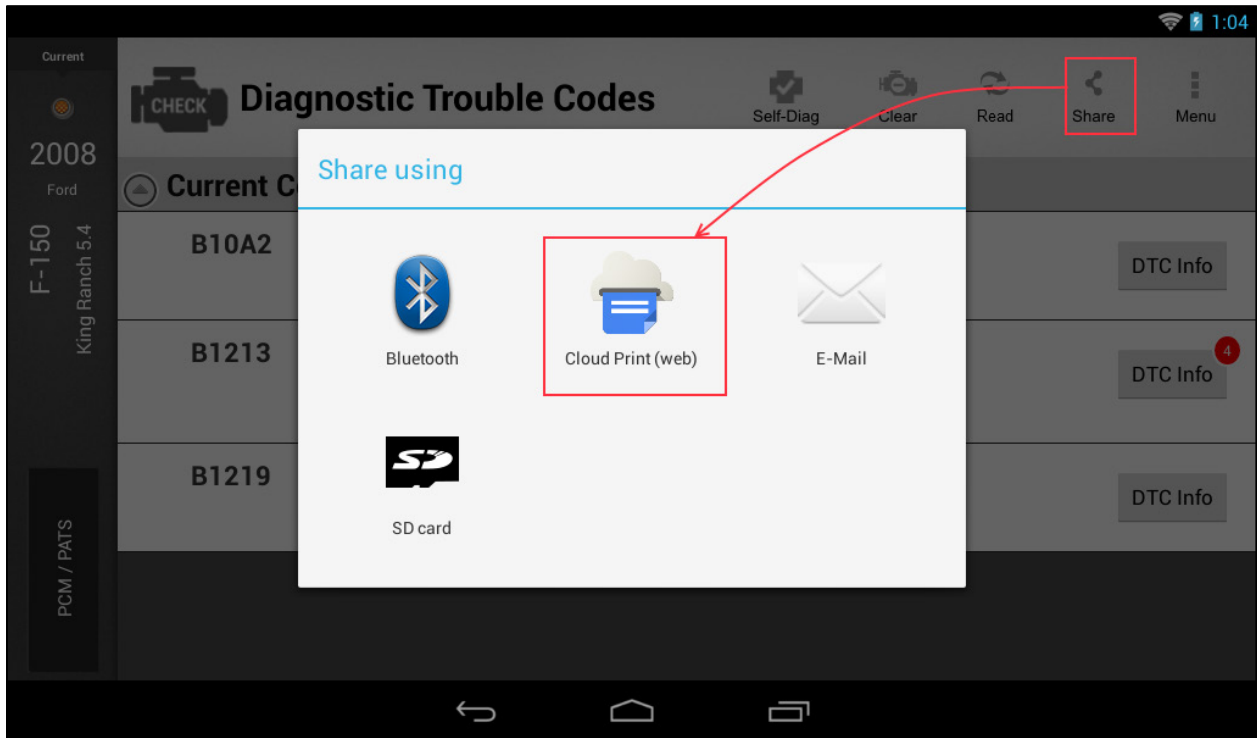
1. Ensure device is connected to internet and that network has unrestricted access to Google services.



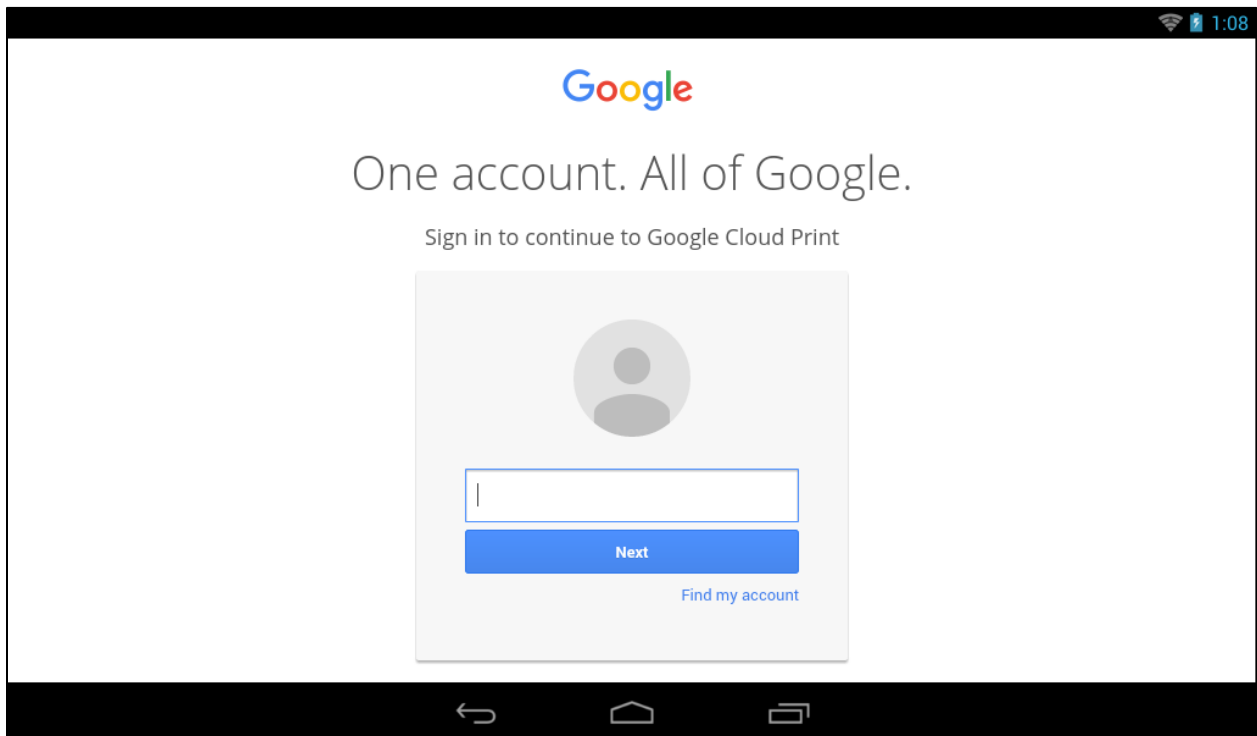
2. Connect to a vehicle and access the Diagnostics Report that you want to Print (currently available from **Read DTCs**, **All System DTC Scan** or **Automated System Test**) and locate the "Share" option:



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

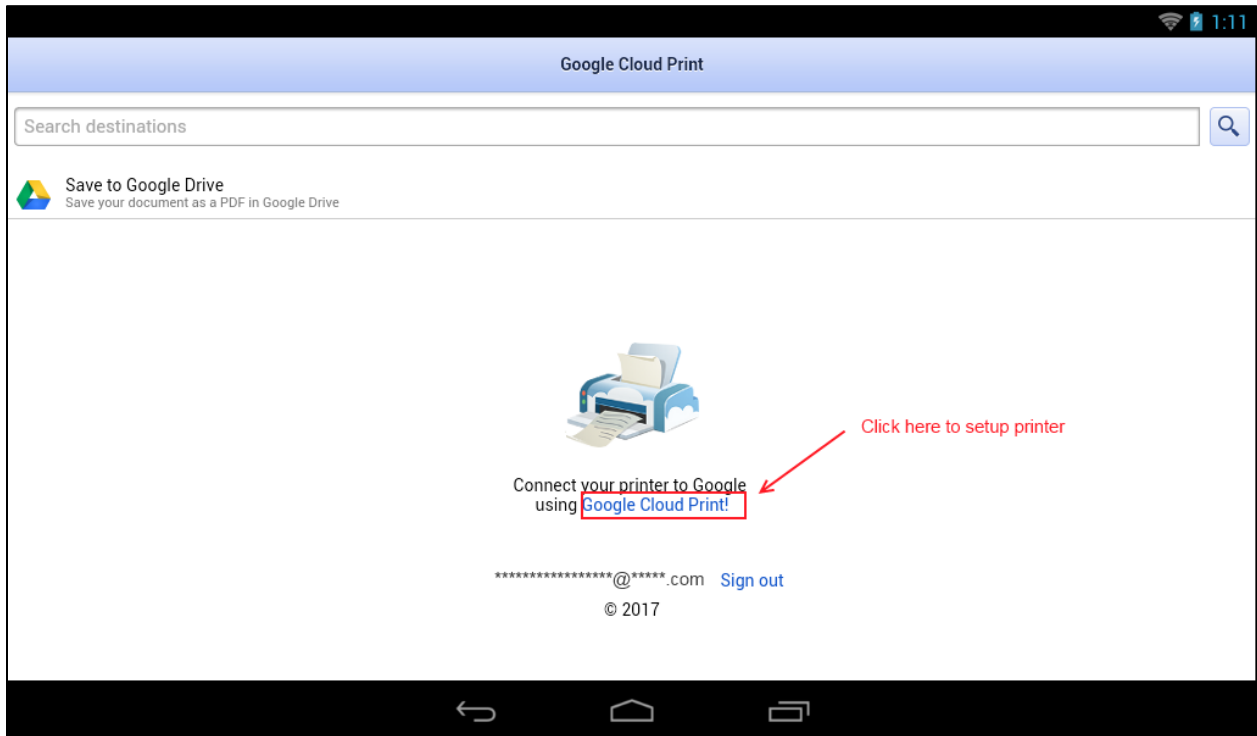


4. You will be redirected to the Google Sign In page:

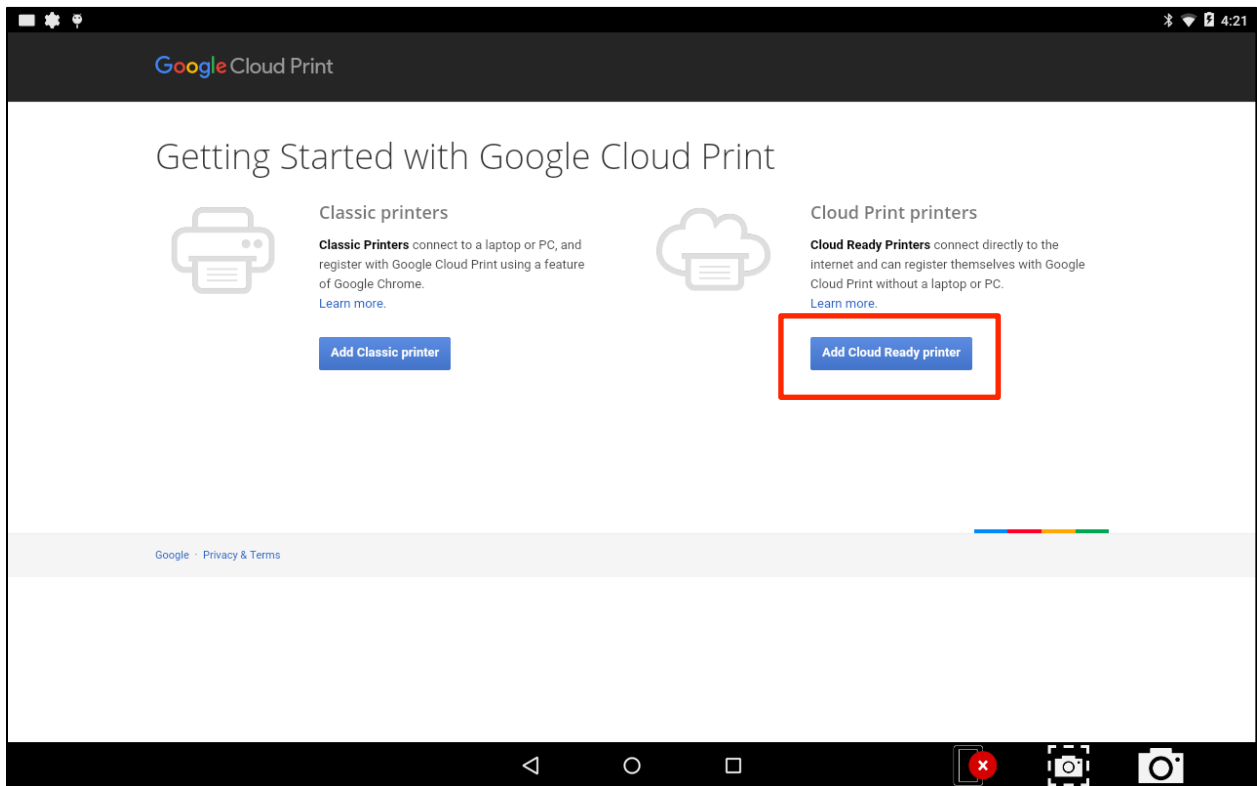




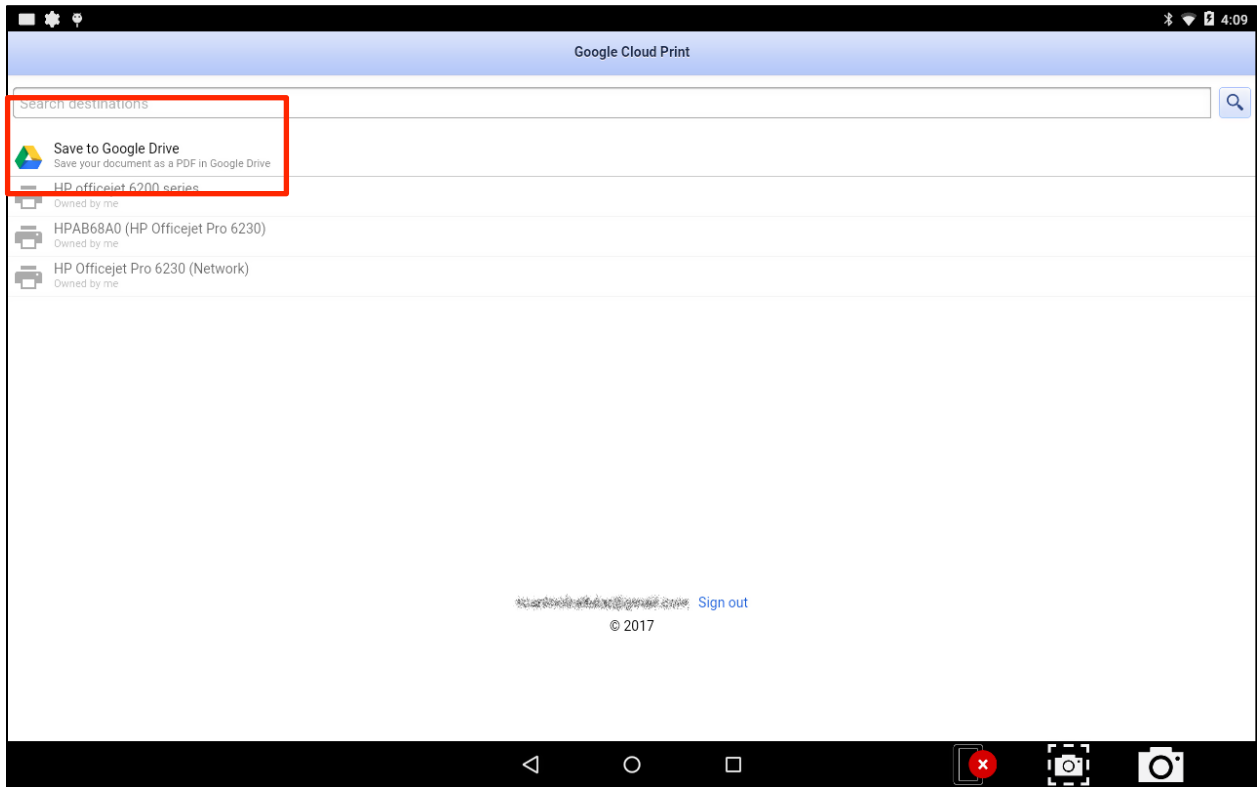
5. Once logged in, you will be redirected to the default Google Cloud Print page which manages all of your printers:



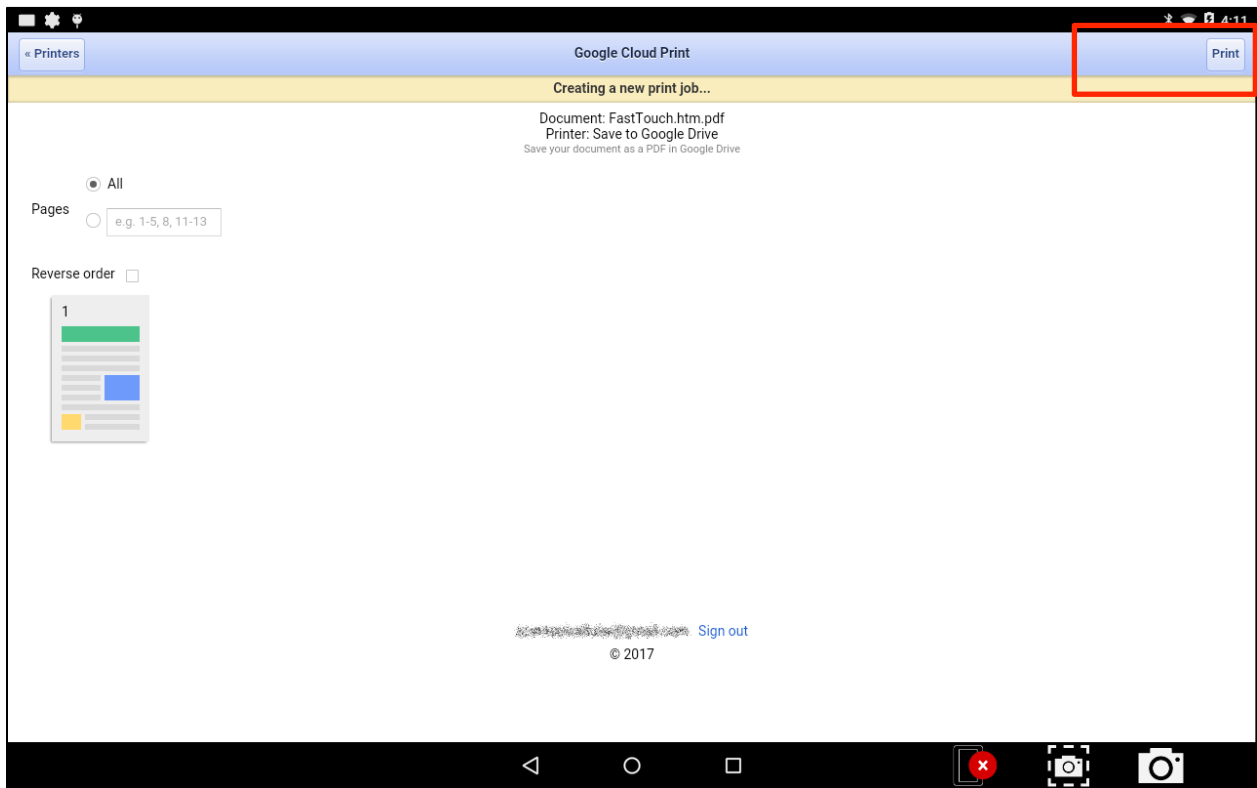
6. Select "Cloud Ready Printers"



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



8. Select print





# Evolve

## J2534 VCI Driver Installation Instructions

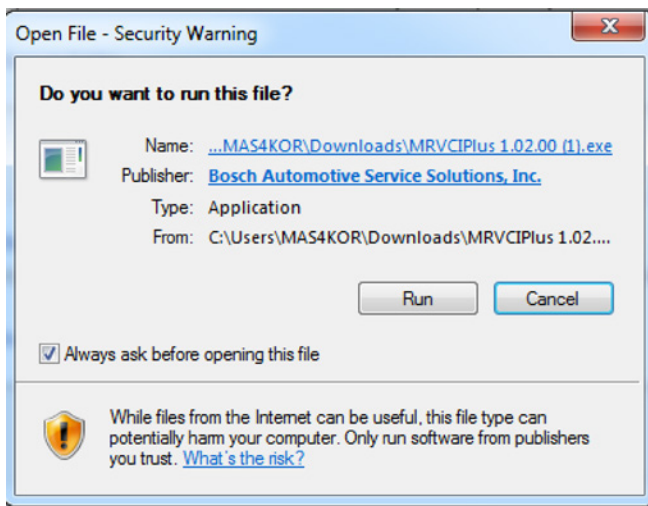
The J2534 driver must be downloaded to your PC to allow communications with the VCI.

**NOTE:**

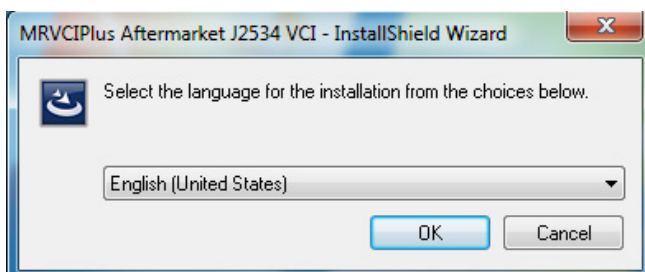
- In order to complete a successful programming event, you must follow the OEM programming requirements on the OEM J2534 website.
- For information on OEM Reprogramming Web Sites and PC requirements, go to the ASA OEM Resource Center

### VCI Driver Installation Procedure

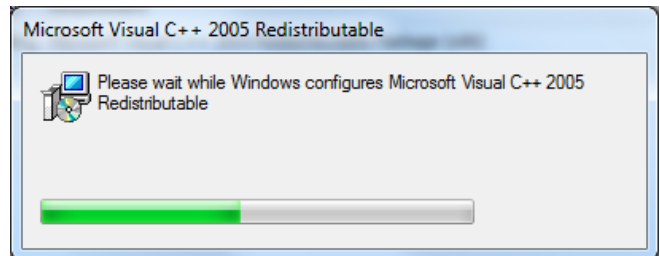
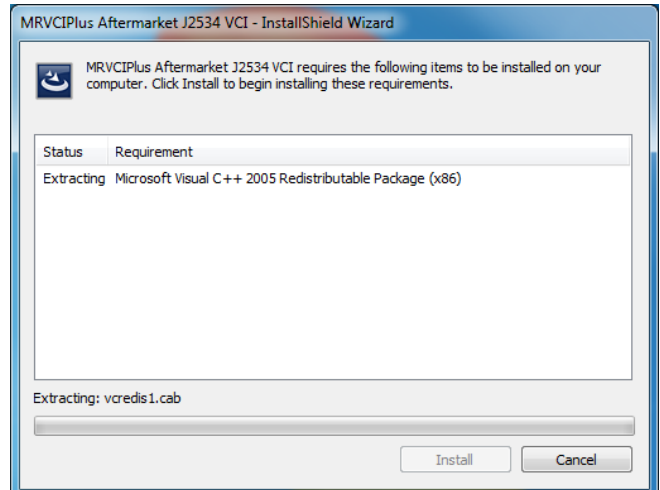
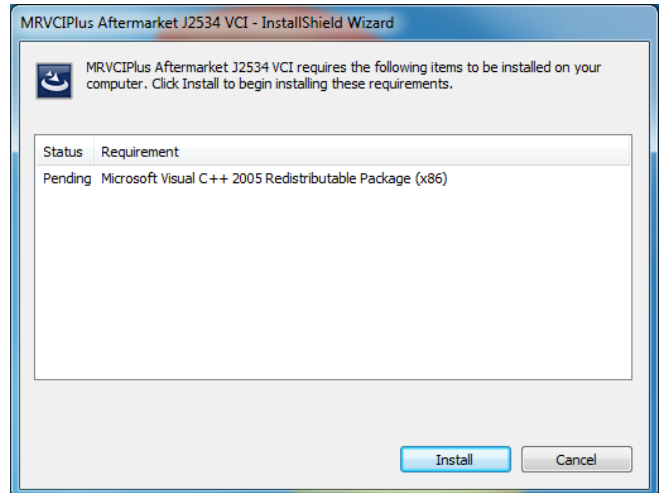
1. The J2534 driver file can be downloaded from the OTC Evolve web page. Included are the J2534 driver and related information.
2. After the J2534 driver is downloaded to the PC, run the MRVCIPlus 1.02.00.exe file from the download location.



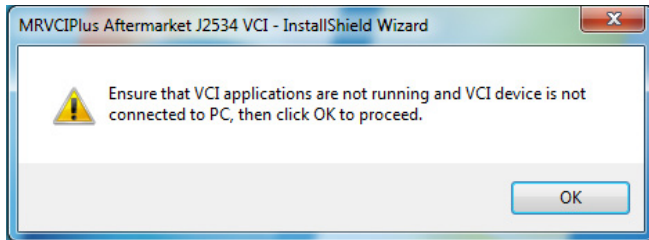
3. Select the language from the list of choices offered in the drop down menu. Select **OK**



4. If Microsoft Visual C++ 2005 Redistribution package has not been installed on the PC previously a prompt to install it now opens. Select **Install**

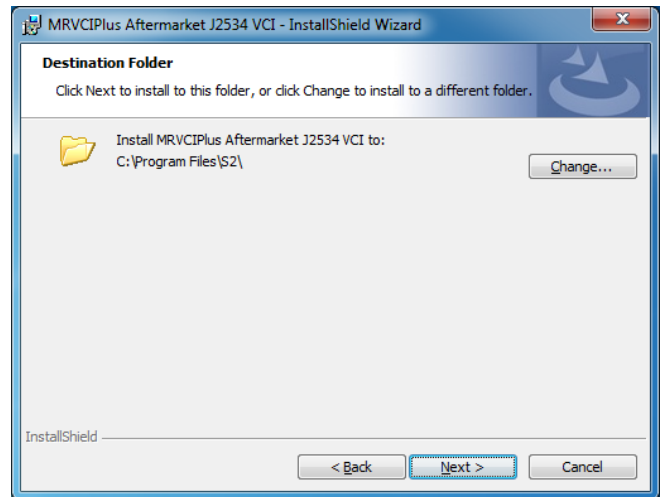


5. A prompt to ensure that VCI applications are not running and VCI is not connected to a PC is shown. When confirmed, Select **OK**.

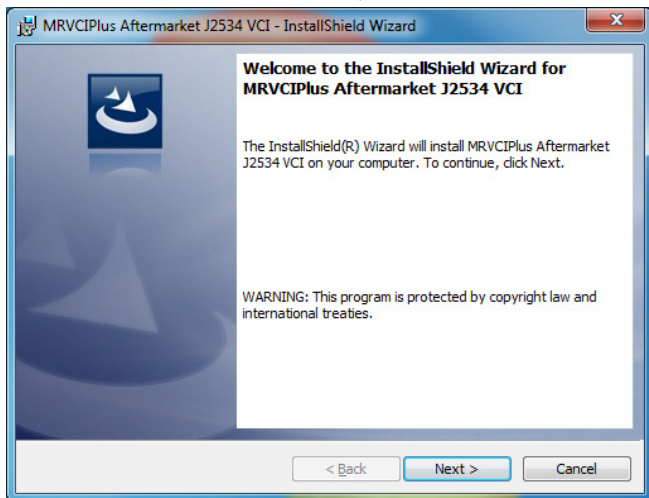


7. It is recommended to install the file in the default location. Select **Next**.

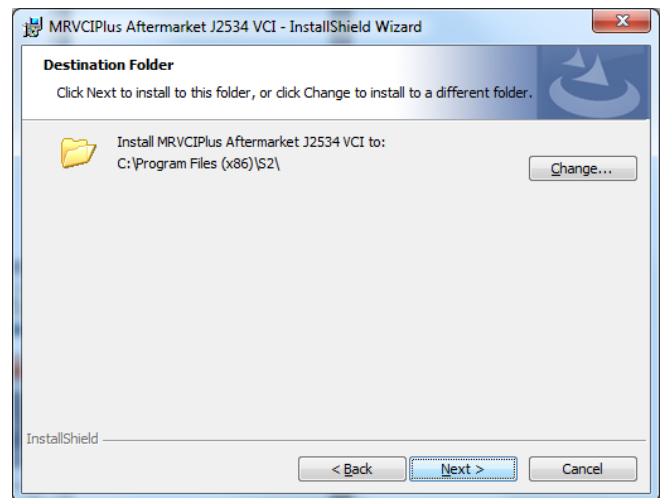
### 32-bit PCs



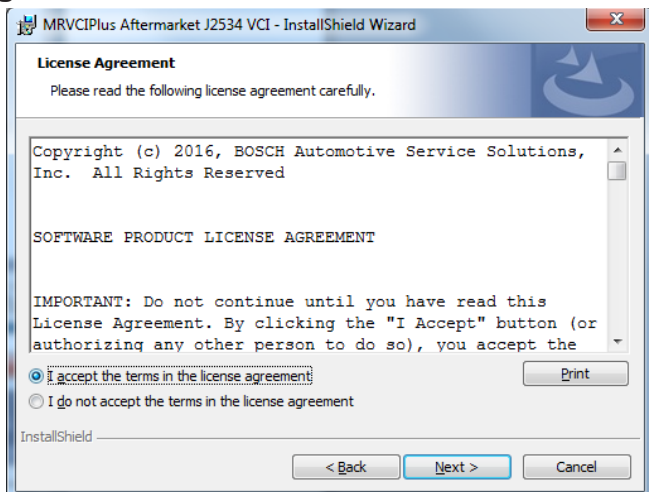
6. At the Welcome screen, Select **Next**.



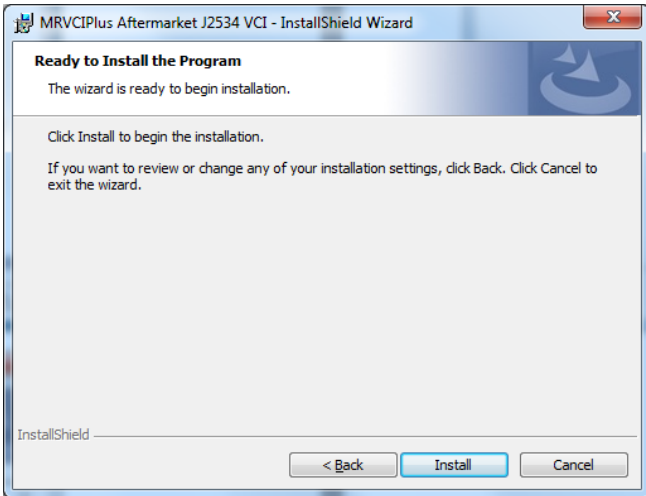
### 64-bit PCs



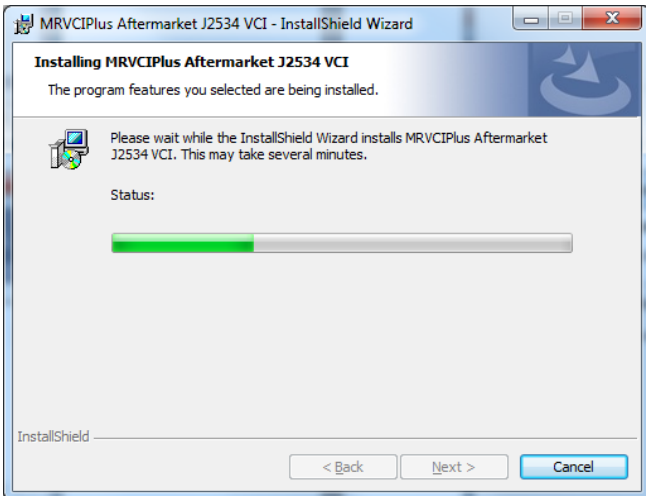
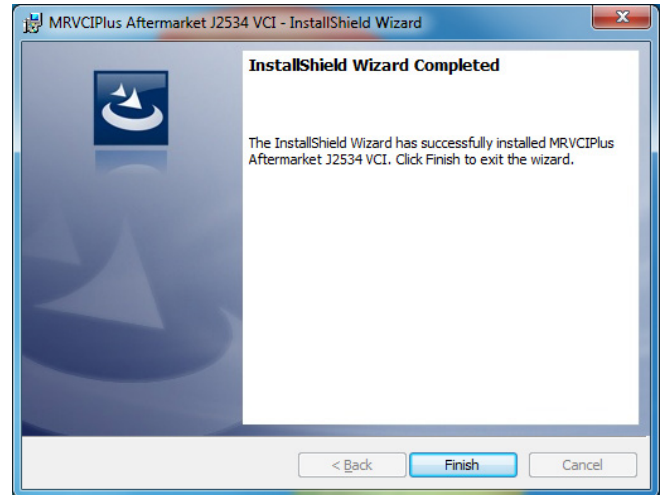
- Read the Software Product License Agreement. Select the "I accept the terms in the license agreement" choice and Select **Next**.



8. Select **Install** to start the installation.



10. The installation is successfully completed.  
Select **Finish** to exit.



9. If a warning dialog box appears select **Install**.

