

Release Notes

Version 2.8.0.15

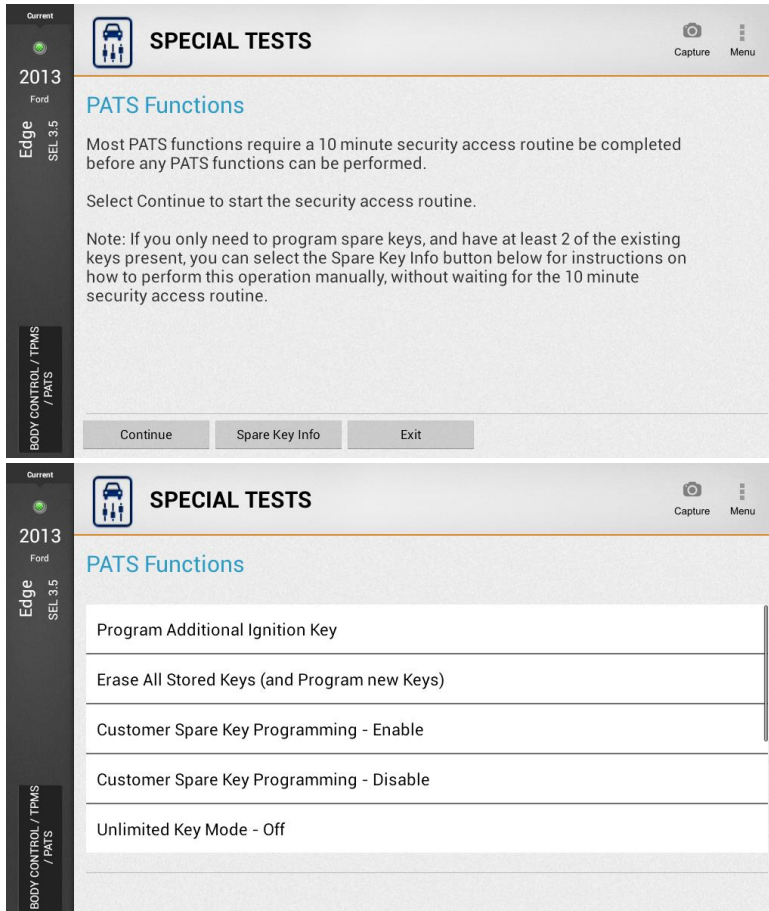
Overview:

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



Current

2013 Ford Edge SEL 3.5

BODY CONTROL / TPMS / PATS

SPECIAL TESTS

Capture Menu

PATS Functions

- Unlimited Key Mode - Off
- Unlimited Key Mode - On
- Program Unlimited Key Code
- Parameter Reset
- Exit

Current

2013 Ford Edge SEL 3.5

BODY CONTROL / TPMS / PATS

SPECIAL TESTS

Capture Menu

Program Additional Ignition Key

Place an unprogrammed PATS Key in the ignition and turn key to ON (KOEO).

Number of Keys Stored: 1

Program key Back

Current

2013 Ford Edge SEL 3.5

BODY CONTROL / TPMS / PATS

SPECIAL TESTS

Capture Menu

Erase All Stored Keys

WARNING
After erasing stored keys you will need to program at least 2 keys to start the vehicle.

Only continue if you have the required keys available and ready to program.

Continue Back Exit

Current

2013 Ford Edge SEL 3.5

BODY CONTROL / TPMS / PATS

SPECIAL TESTS

Capture Menu

Customer Spare Key Programming - Enable

Enabling spare key programming allows the customer to program additional keys using the procedure listed in the Owners Guide.

Select Continue to Enable Spare Key Programming.

Continue Back Exit


Current

2013

Ford

Edge
SEL 3.5

BODY CONTROL / TPMS
/ PATS

 **SPECIAL TESTS**

Capture Menu

Program Unlimited Key Code

The currently programmed Unlimited Key Code is listed below.

Unlimited Key Code ABCD1234

Continue Back


Current

2013

Ford

Edge
SEL 3.5

BODY CONTROL / TPMS
/ PATS

 **SPECIAL TESTS**

Capture Menu

Enter the new Unlimited Key Code

ABCD1234

Continue

Enter a Maximum of: 8 Characters


Current

2013

Ford

Edge
SEL 3.5

BODY CONTROL / TPMS
/ PATS

 **SPECIAL TESTS**

Capture Menu

Program Unlimited Key Code

The Unlimited Key Code has been programmed successfully.

Unlimited Key Code ABCD1234

Continue


Current

2013

Ford

Edge
SEL 3.5

BODY CONTROL / TPMS
/ PATS

 **SPECIAL TESTS**

Capture Menu

Parameter Reset

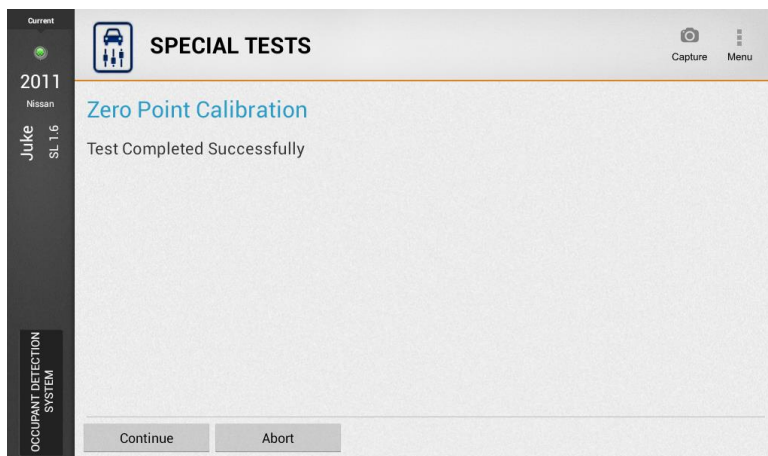
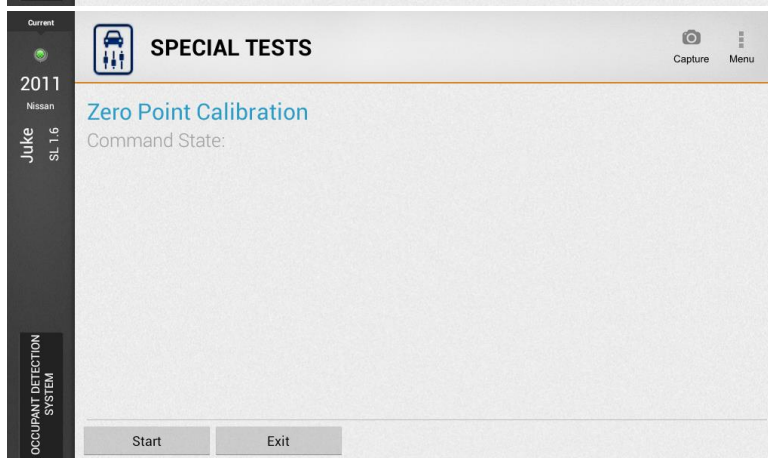
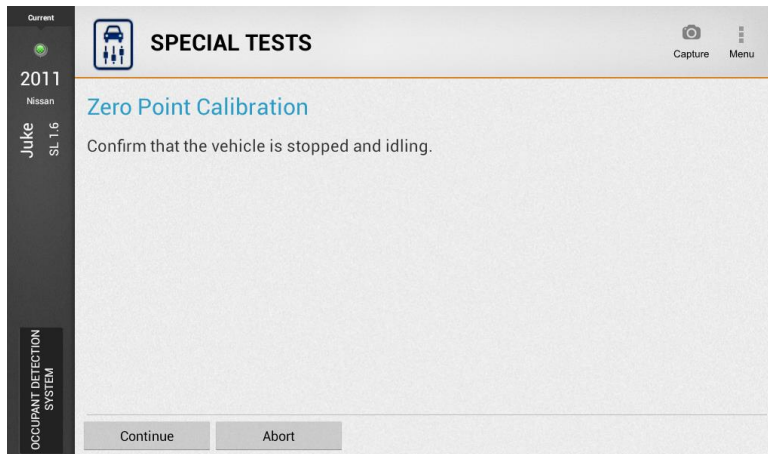
Parameter Reset is required when a new PCM or PATS module is installed or reprogrammed.

This function also resets Keep Alive Memory (KAM).

Continue Back Exit

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

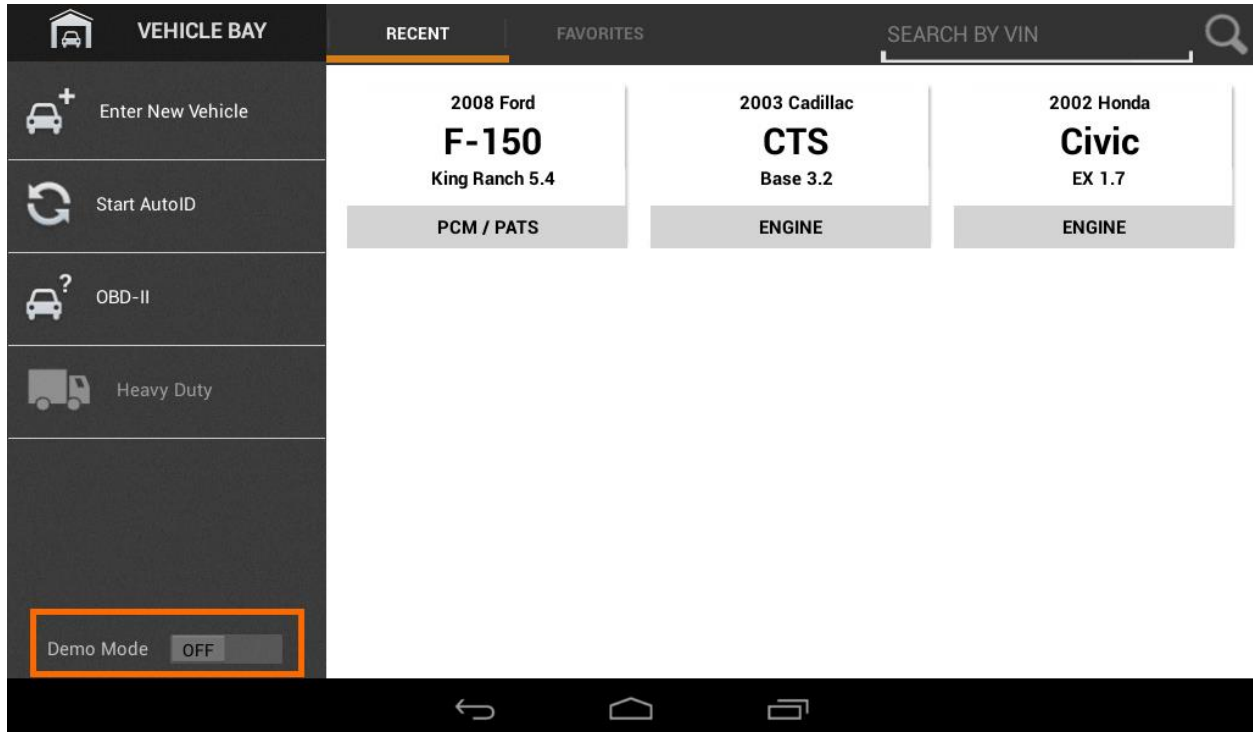
Cycle Key Off 30 seconds before running test again

Press Continue to Exit Test

Continue Abort

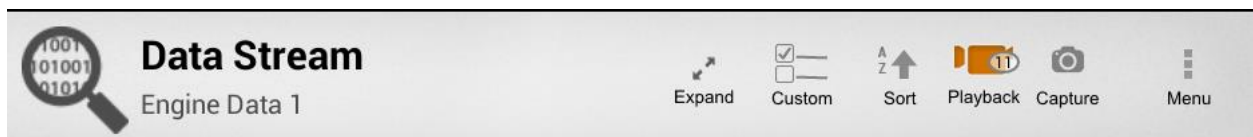
New Features

- 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.

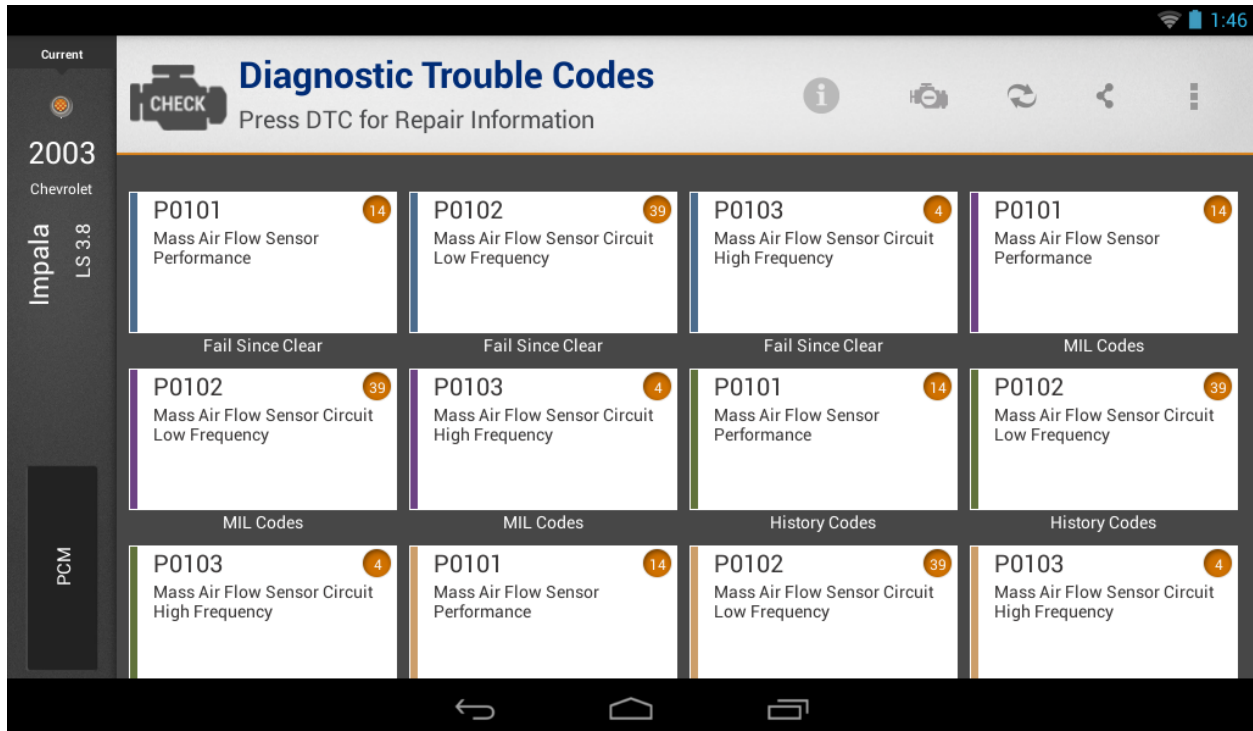
Sample Headers:



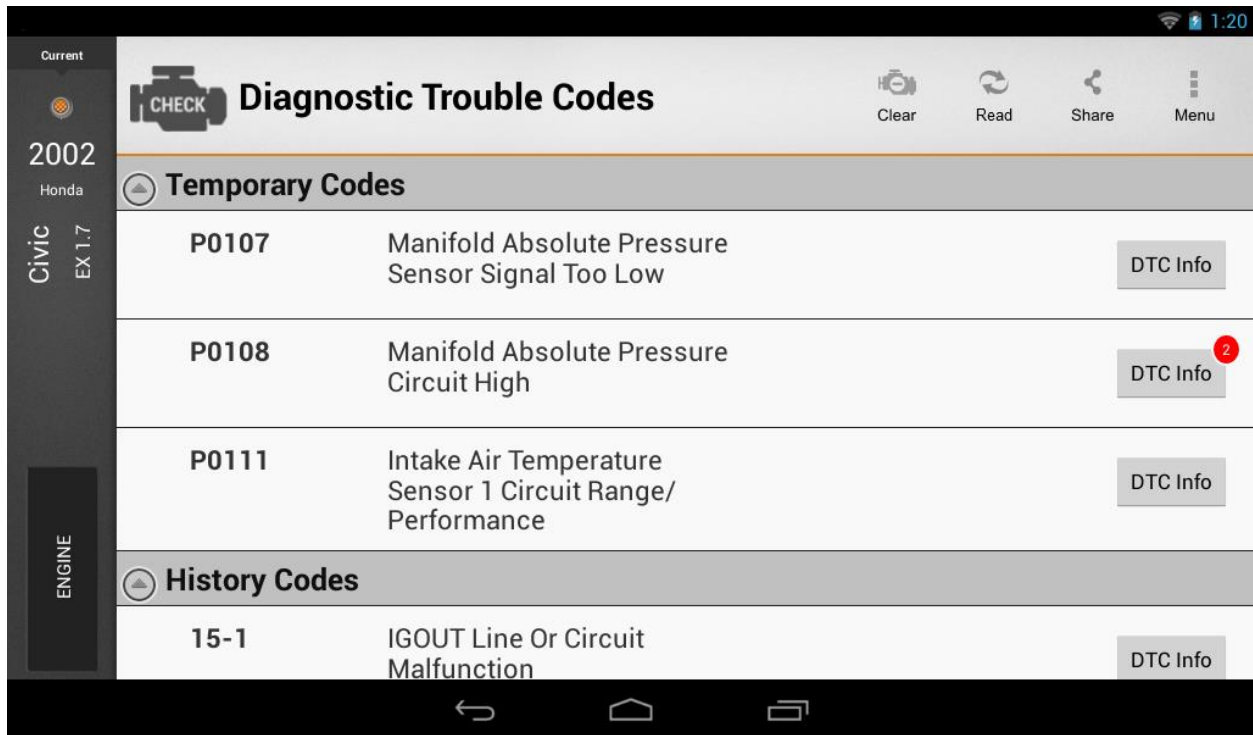


- New List View for Diagnostic Trouble Codes!
 - DTCs will now appear in a list and will be arranged by DTC Group.
 - User will have easy access to DTC Info and will quickly be able to see if Code Assist information is available.

Before

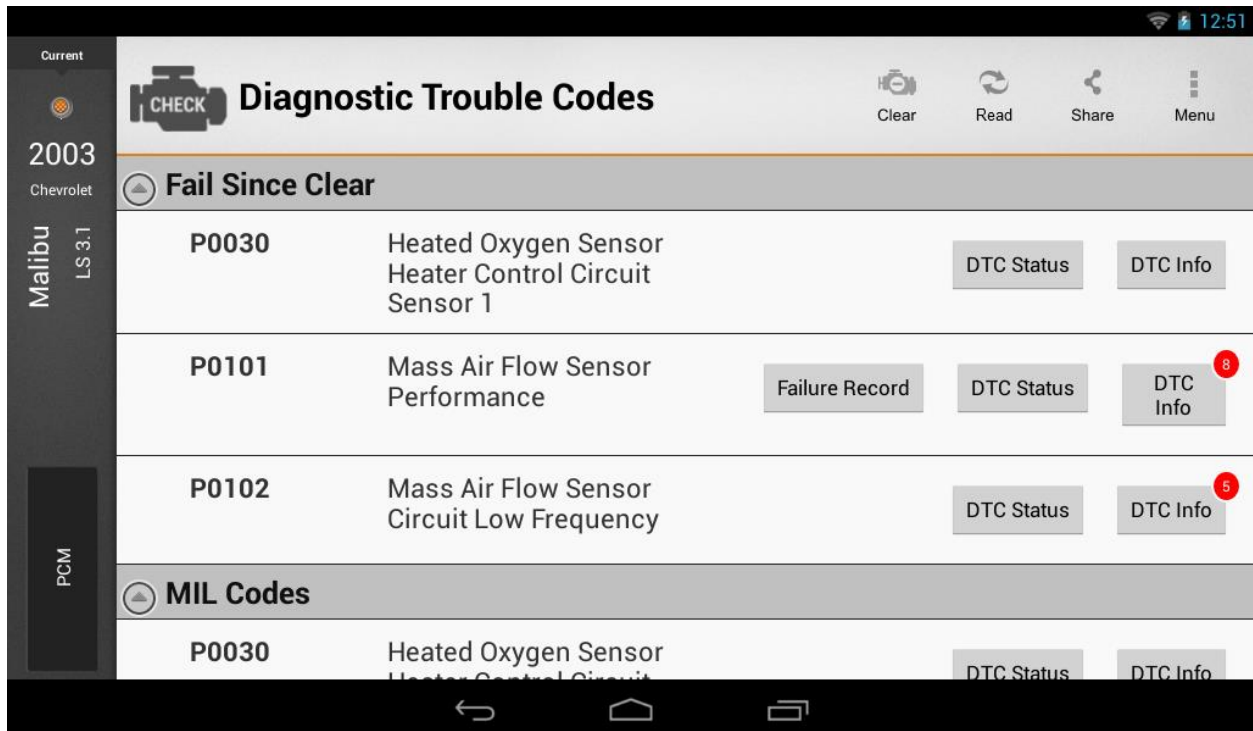


After



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

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

← Home

Vehicles supporting Blink Codes only:

Current

2004

Subaru

Forester
X 2.5

ABS

Diagnostic Trouble Codes

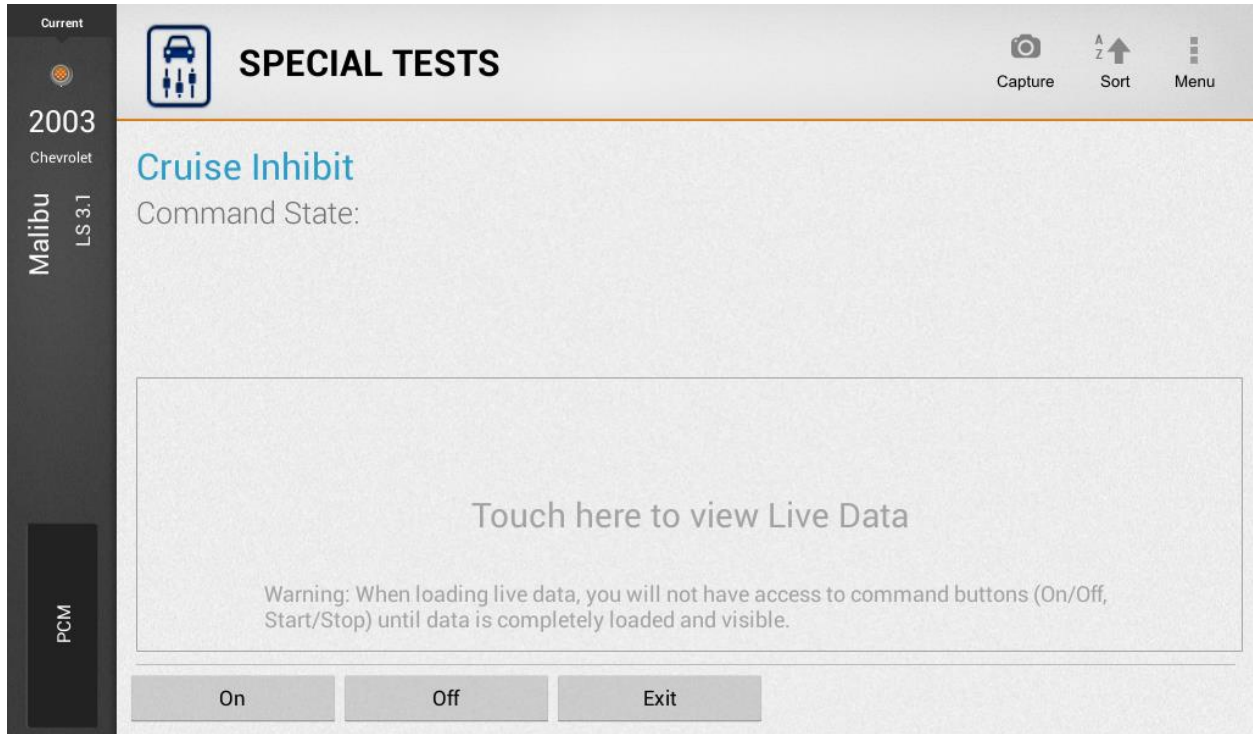
Clear Read Share Library Menu

Manual Codes Procedure

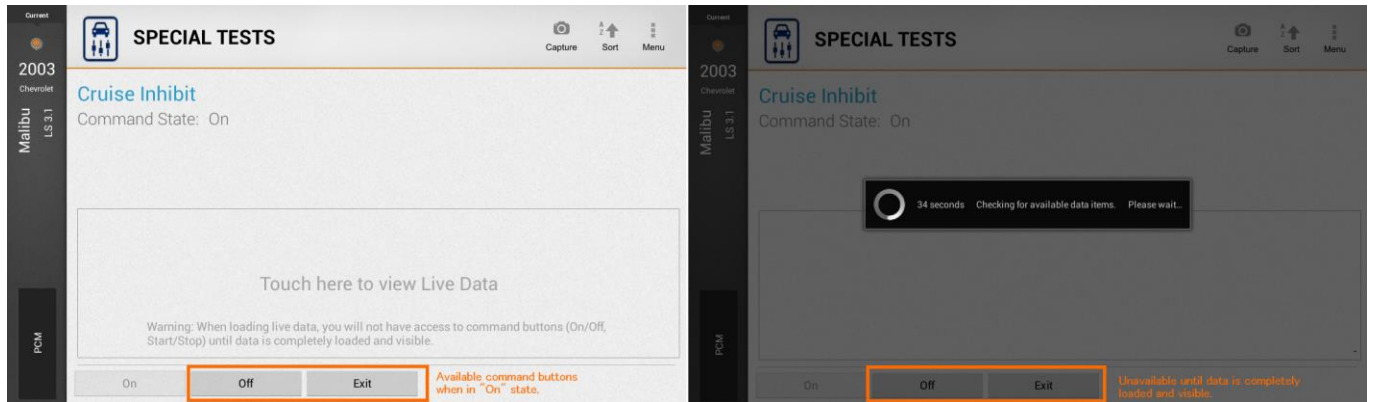
- 1) Take out diagnosis connector from side of driver's seat.
- 2) Turn ignition switch Off.
- 3) Connect diagnosis connector terminal 6 to diagnosis terminal.
- 4) Turn ignition switch On.
- 5) ABS warning light is set in the diagnostic mode and blinks to identify trouble code.
- 6) After the start 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.

← Home

- 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:



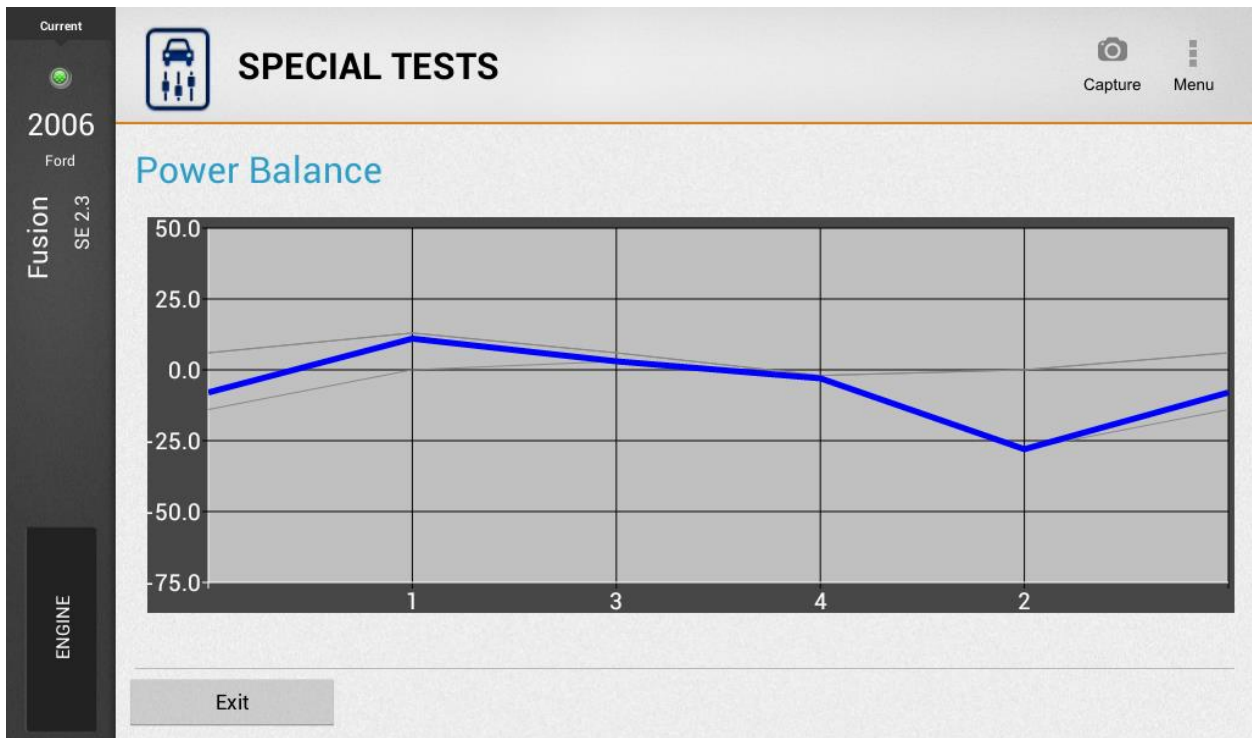
After Live Data is loaded you will once again have access to your command buttons:

The screenshot shows the 'SPECIAL TESTS' interface for a 2003 Chevrolet Malibu LS 3.1. The main test is 'Cruise Inhibit' with a 'Command State: On'. Below are four data cards: 'A/C Relay Command' (Off), 'Barometric Pressure' (252, 76, 5 kPa), 'Cruise Control Active' (Yes), and 'Cruise Control Inhibit Reason'. At the bottom are 'On', 'Off', and 'Exit' 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.

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**


- [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:

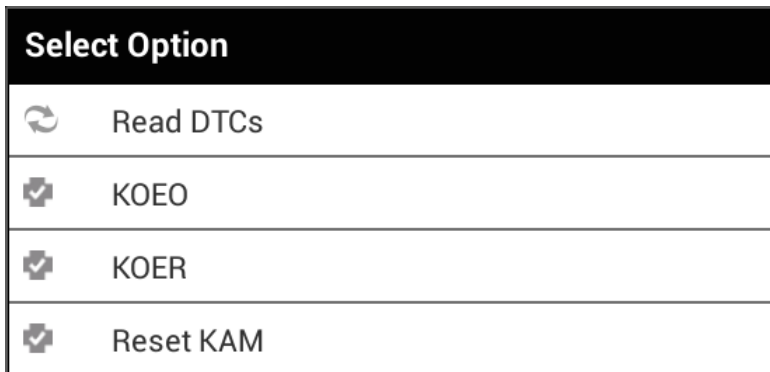
Before: Inconsistent Popup selections (Read DTC Popup and Controller Qualifier Selection Popup)

Select Option	
	Read DTCs
<input checked="" type="checkbox"/>	KOEO
<input checked="" type="checkbox"/>	KOER
<input checked="" type="checkbox"/>	Reset KAM

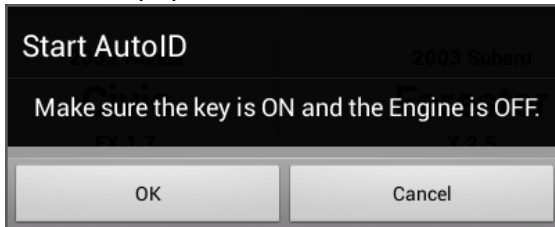
Select Controller Qualifier
With Air Pump
Without Air Pump
With Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump. Without Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump.

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

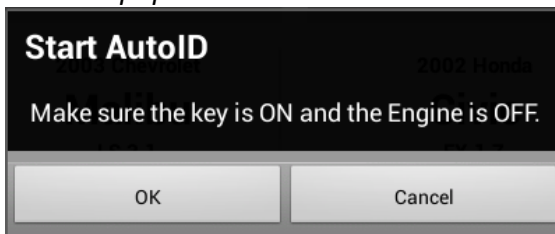
Select Controller Qualifier
With Air Pump
Without Air Pump
With Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump. Without Air Pump : Check under the hood to see if engine is equipped with a Secondary Air Injection Pump.



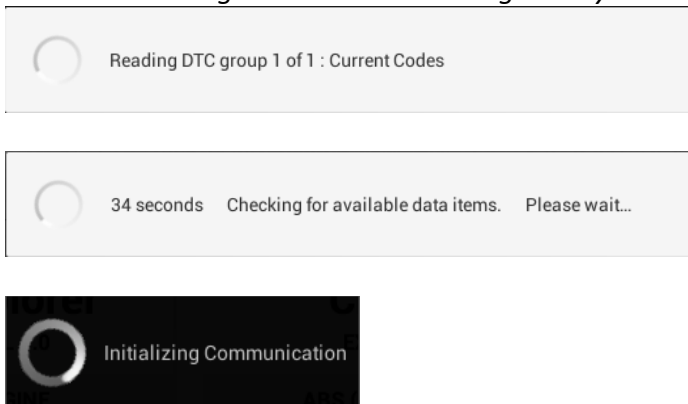
Before: AutoID Popup without bold title



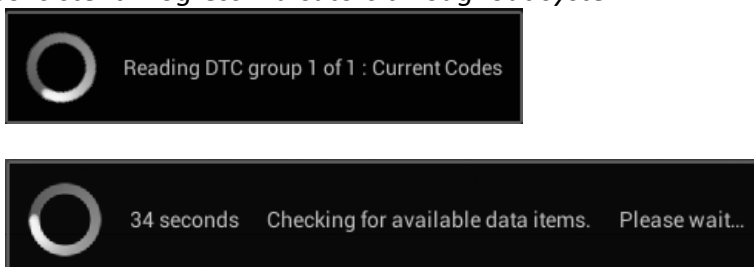
After: AutoID Popup with bold title

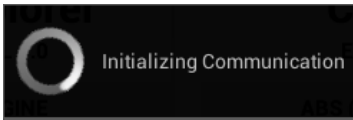


Before: Inconsistent Progress Indicators throughout system



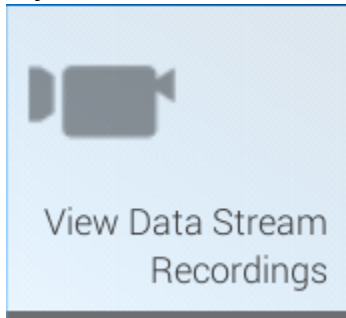
After: Consistent Progress Indicators throughout system



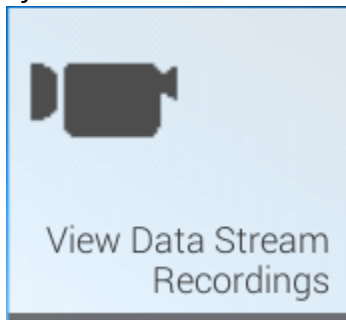


- Changed the contrast of the icon for “View Data Stream Recordings” so it doesn’t look like it is disabled:

Before

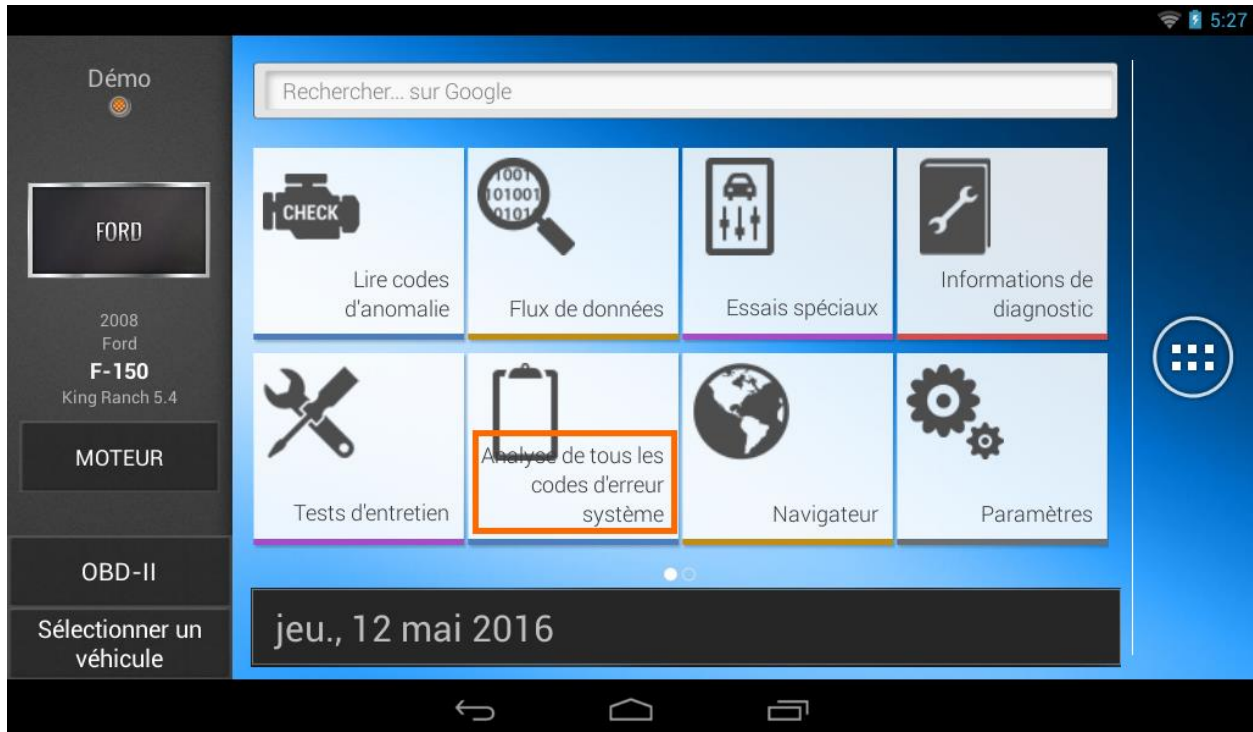


After

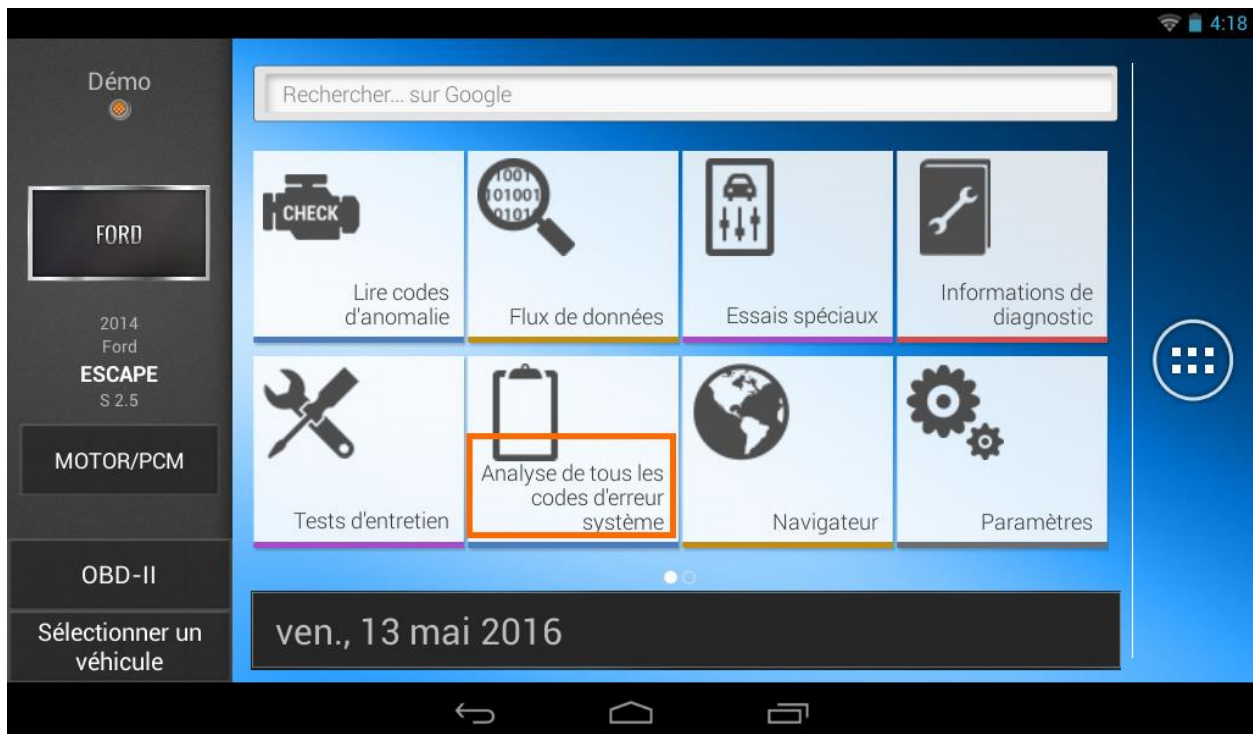


- Continued screen improvements in the user interface for French:

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**

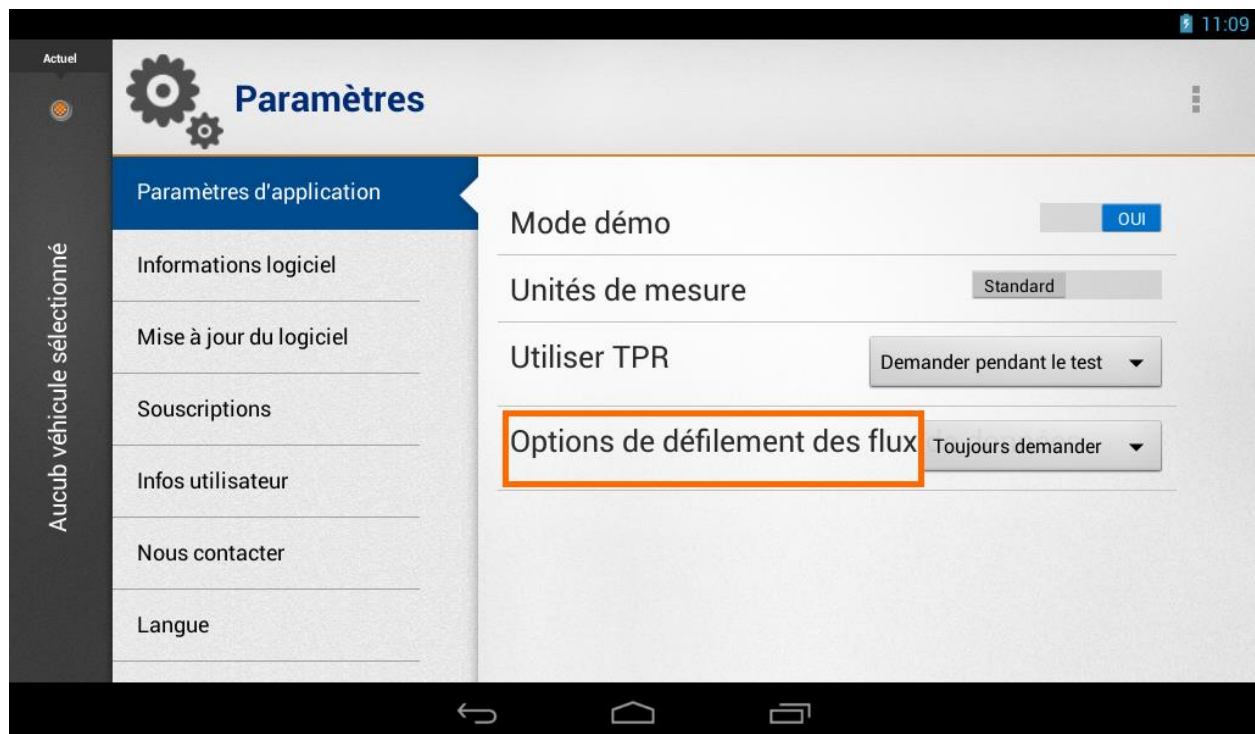
Capture Menu

Écrire le numéro d'identification de véhicule

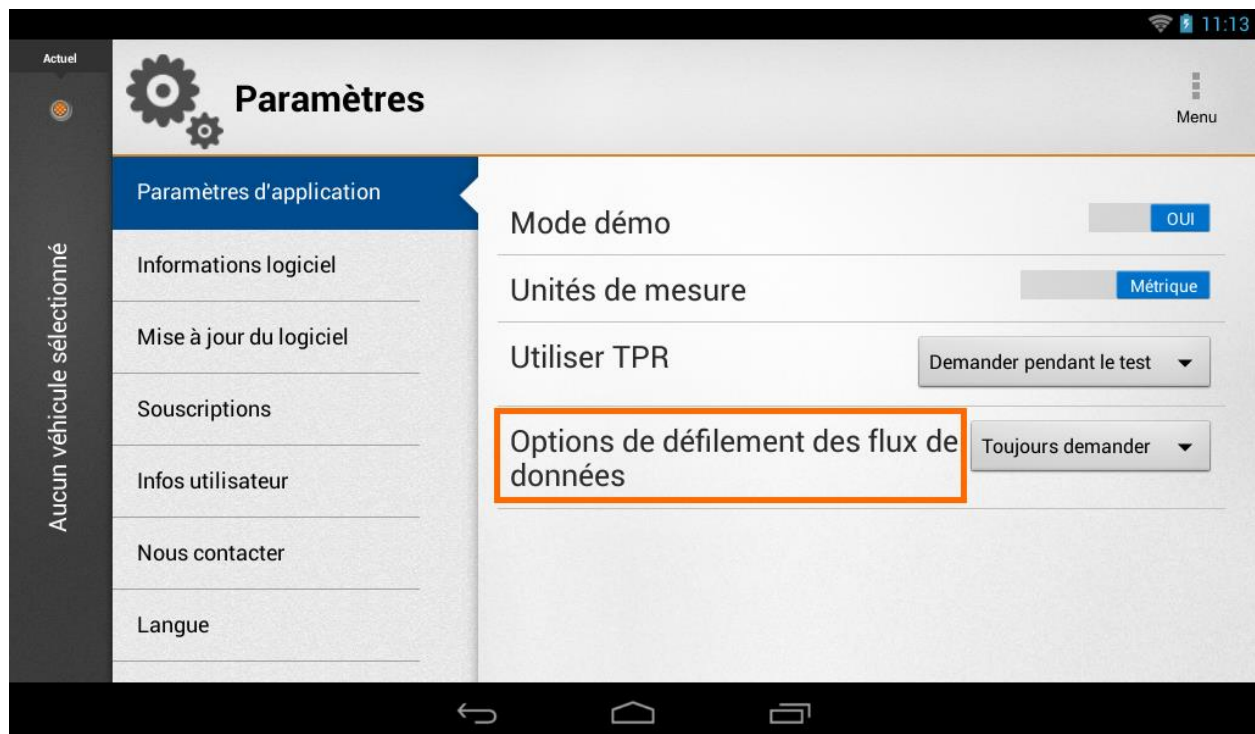
Continuer

Saisir un maximum de : 17 caractères

Settings – Before

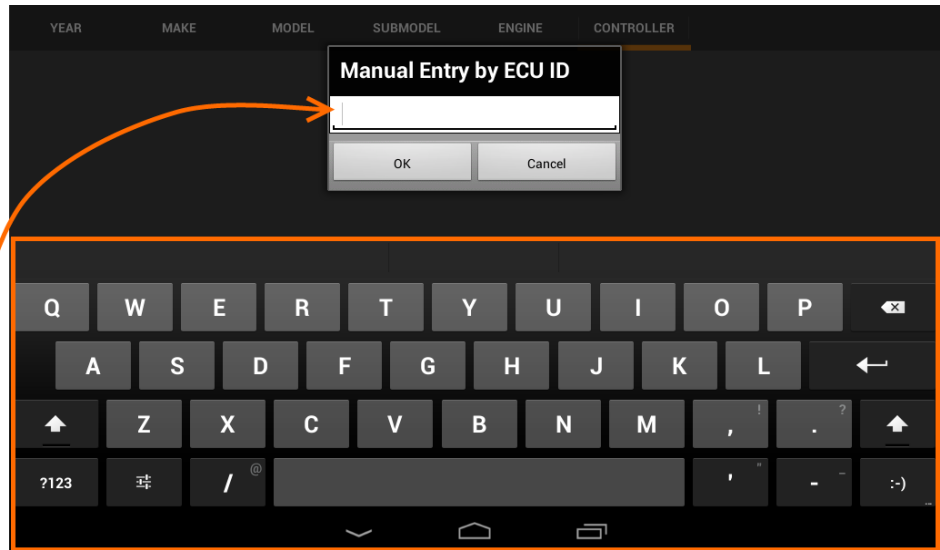
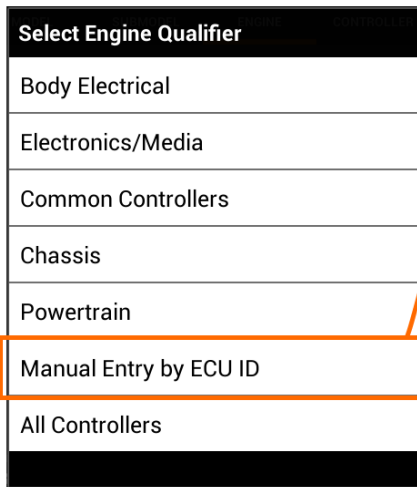


Settings – After



Vehicle Selection

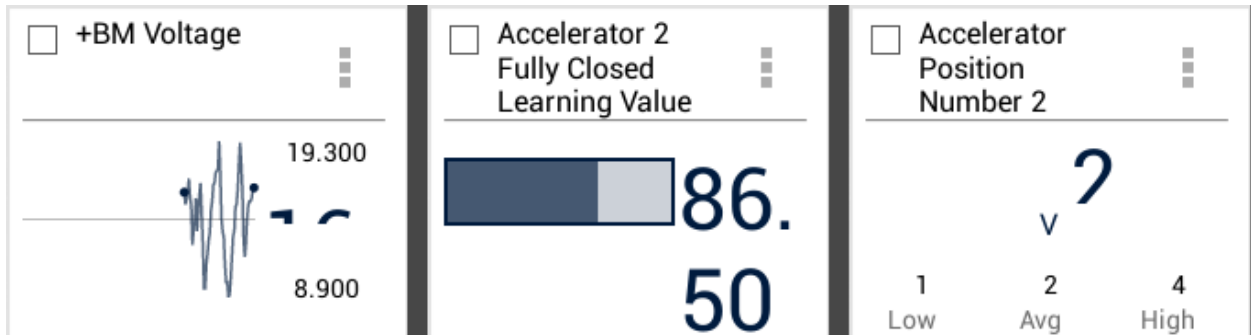
- The user will no longer see disabled vehicle coverage years when your All Coverage Subscription has expired.
- Improved Robustness in Manual Entry by ECU ID for Volkswagen/Audi vehicle selection process which now includes the capability to input hexadecimal ECU IDs.



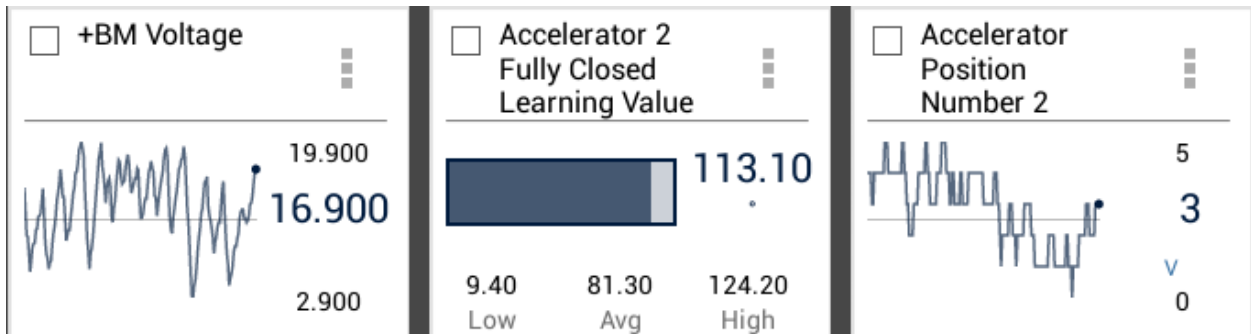
Data Stream

- 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:



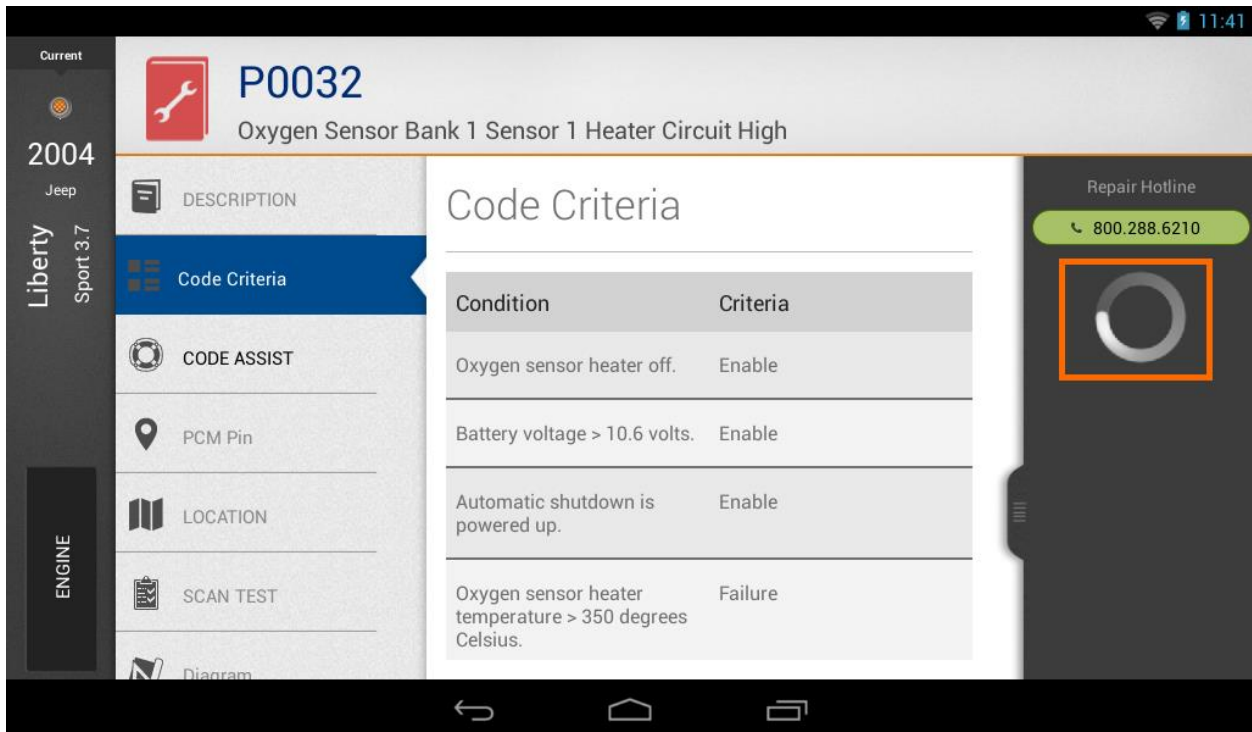
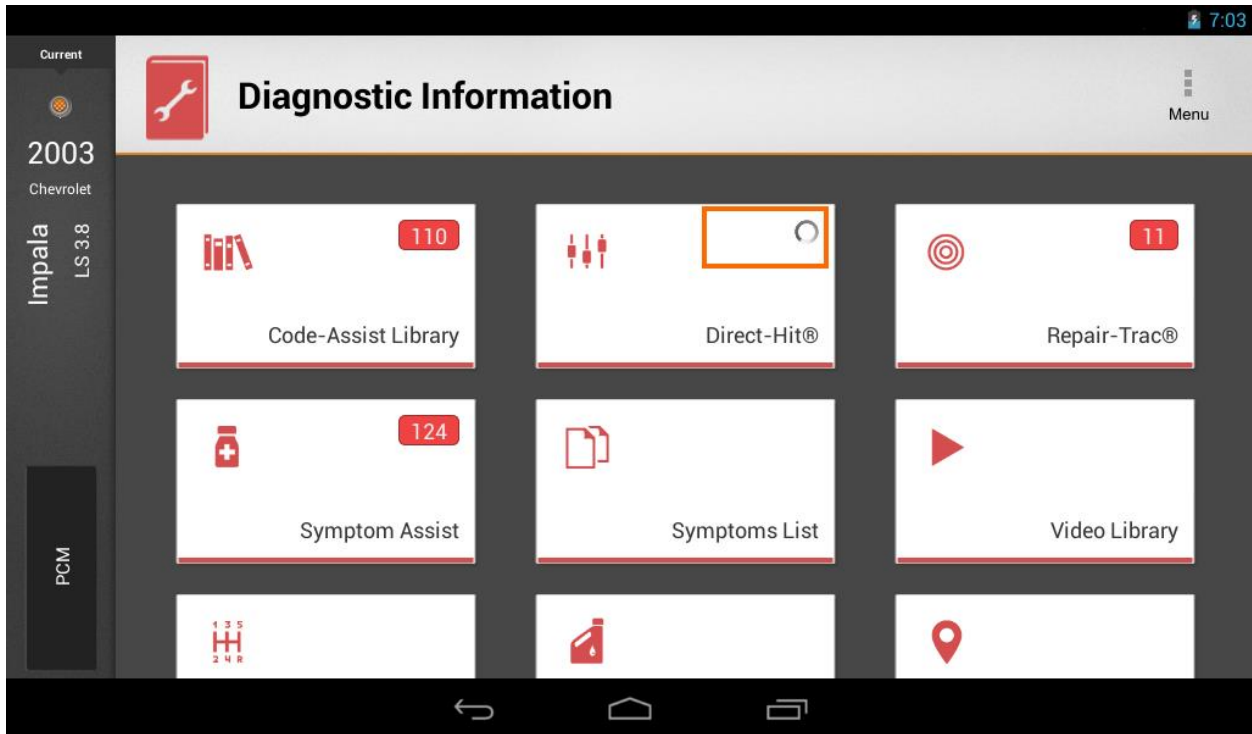
Diagnostic Trouble Codes

- 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. Malfunction 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

Thank you for your patronage!