

Version 3.1.0.32

Overview:

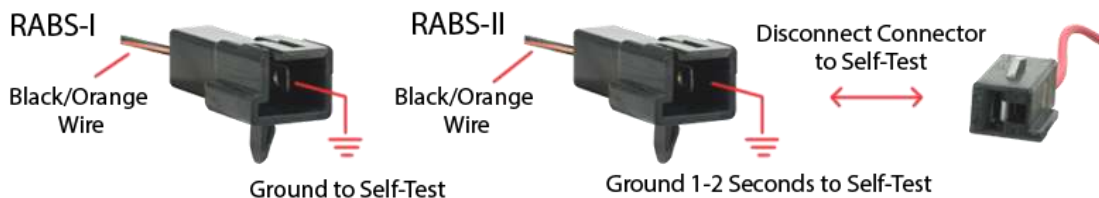
The new version 3.1.0.32 contains a major coverage release! Also provided are selected highlights of new features, improvements, and fixed defects reported by technician. You may notice many more in the software that are just too numerous to identify individually. Many thanks for the useful feedback we are receiving. More coverage and enhancements on the way!

Vehicle Communications Interface (VCI) Firmware Update:

This revision contains a Firmware update required to improve the communication for Volvo D2 systems. Follow the on screen instructions to connect the VCI to the Tablet to initiate the update.

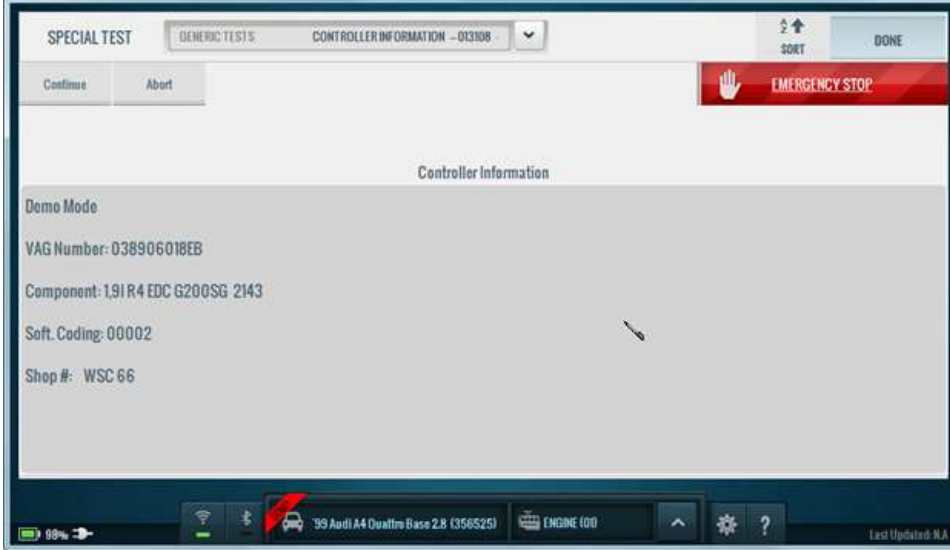
Improvements and Fixes:

- For VW and Audi, Clear Codes failure functionality has been improved to handle the no codes scenario.
- Improved the output tests to display the appropriate status message for VW and Audi.
- Improved coding tests for VW and Audi KW1281 controllers.
- Data item set which gets displayed during any special test is improved to be more relevant for the test being run.
- Improved special tests to include an 'Exit' button, so that user can exit the Special tests gracefully
- New cable picture is used for 1994, Ford, E-250 Econoline, Base, 4.9L, ABS(RABS)

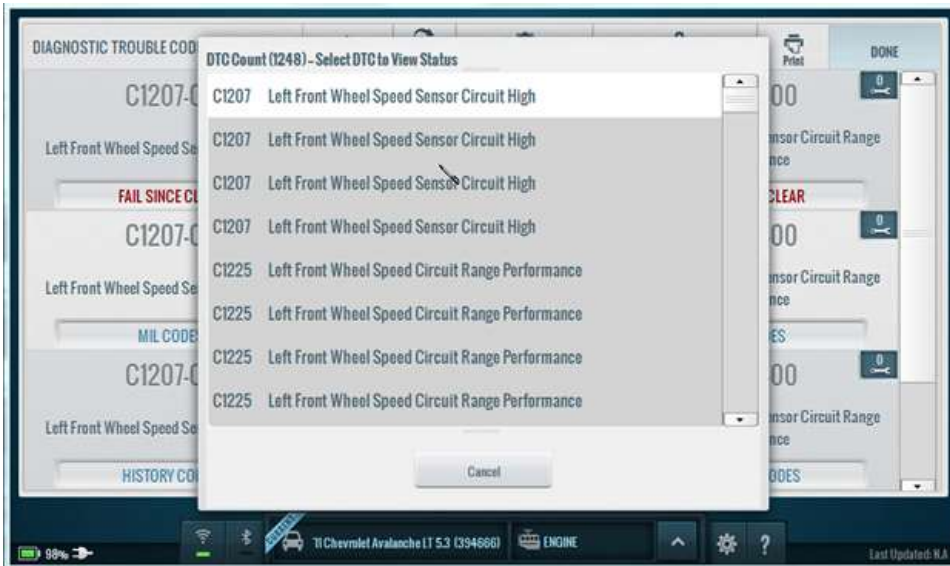


Select DTC on Main Menu for connector location and detailed instructions.

- VW and Audi controller information display is improved for KW1281 protocol controllers



- GM DTC Status display is improved as shown below:



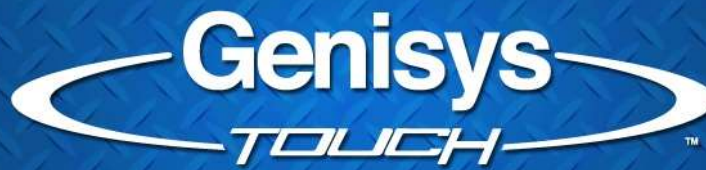


- Intermittent communication problem with Volvo D2 protocol controllers is fixed.
- Improvements to data stream on 2004 Mercedes SIM4LSE Engines, BMW Immobilizer system and OBD II Mode 1.
- Fixed the OBD II Mode 9 VIN reading issue for 2009 KIA Rio LX
- Special test issue where the test needs extended time to read response from vehicle is fixed (Example: Nissan Idle Learn).
- Improved All System DTC and Automated System Test on some GM, VW and Audi vehicles.

New Vehicle Coverage:

The focus of version 3.1.0.32 Domestic, Asian and European release was:

- Mercedes - Expanded coverage for 2000-2013 Model Year for Doors, Seats, Audio, Cruise Control, Lights, Park Assist type of controllers
- BMW - Expanded coverage for 1995-2014 Model Years for Doors, Seats, Immobilizer, and Lights type of controllers.
- Volvo - Expanded coverage for 1999-2012 Model Year for Doors, Audio, Lights, Media, Park Assist type of controllers
- VW/Audi - New coverage for Battery Replacement tests in CAN GATEWAY module for 2007-2013 Model Year vehicles
- Mercedes - New coverage for Electric Parking Brake - Move To Assembly Position test for 2012-2014 Model Year vehicles
- Added 2,478 new systems
- Added 9,534 new vehicle-ECU combinations
- Added 161 new Adjustment type tests
- Added 1,515 new Actuation type tests
- Vehicle Selection additions - specific missing vehicles and controllers have been added
 - **Asian** - Additional selections for Honda, Kia and Toyota
 - **Domestic** - Additional selections for Ford, GM, Jeep and Saturn
 - **European** - Additional selections for Audi, BMW, Mini, Mercedes and Volkswagen
- Special test fixes/improvements:
 - Nissan Throttle Learn and Idle Air Volume Learn - fixed an issue where the test would time out
 - GM DPF Regen - fixed an issue where the test would time out



- Mercedes - Added Electric Parking Brake Move to Assembly Position test for 2012-2013 Model Year vehicles
- Mercedes - Added Move To Calibrated Vehicle Level (Automatically) test for Suspension systems for 2003-2013 Model Year vehicles
- VW/Audi Output Test Mode - fixed issue where actuator descriptions were not being shown
- VW/Audi Electric Parking Brake tests - fixed a communication issue with the Parking Brake controller
- VW/Audi - Added Battery Replacement test in CAN GATEWAY module for 2007-2013 Model Year vehicles

New Coverage – USA Domestic

Chrysler/Jeep Coverage

- 1 new vehicle-ECU configurations for 2009 Grand Cherokee ELECTRONIC SHIFTER
- 23 new Adjustment type special tests, including:
 - **Engine/PCM** - CAM Crank Relearn Routine, Emissions Rolls Test Mode, Exhaust Phaser 1 Cleaning, Learn ETC, Reset Fuel Pressure Limit Valve Accumulators, Set Pinion Factor and Write Pinion Factor
 - **Transmission** - Reset Adaptive Values
 - **ABS** - Bleed Brakes
 - **Occupant Classification/Restraint** - OCM System Verification Test
 - **Climate (HVAC)** - Actuator Calibration
- 152 new Actuation type special tests, including:
 - Transmission clutch tests, Engine Running Injector Kill tests, ESIM Forced Monitor Test, Purge Vapors Test, ETC Throttle Follower Test and many more
- Special test fixes/improvements:
 - Added many tests to GPEC Engine systems for 2007-2010 vehicles
 - 2005 Magnum - fixed "Throttle Control Relearn would not successfully complete"
 - 2006 Town & Country - fixed EGR Duty Cycle test
 - 1999 Caravan 3.3L - fixed EGR Solenoid Test
 - 2002 Town & Country - fixed Fuel Pump test
 - 2014 Dart 2.4L - fixed Shift Solenoid tests getting aborted
 - 2007 Ram 6.7L - fixed "Stationary Desoot Procedure will not get passed pre-conditions"
 - Improved error messaging when communication errors are encountered
- Other fixes/improvements:



- 2007 300C 5.7L - fixed "Cylinders 7 and 8 misfire data not being shown"
- 1997 Wrangler 4.0L - fixed "will not clear codes properly with engine running"
- 1998-2007 - fixed Transmission DTC reading issue
- 2004 Jeep Liberty 3.7L - added Coil Burn Time data items
- 2009 Avenger 2.7L - Added SRV Output State and SRV Valve State data items to aid in monitoring intake runner signals

Ford Coverage

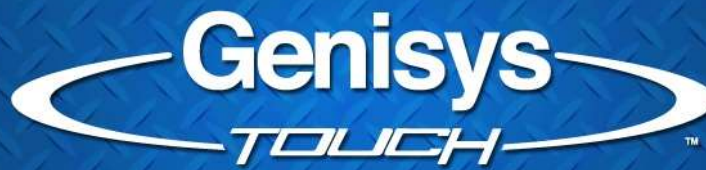
- Fixes and improvements made to Self-Diagnostics type tests
- Expanded coverage for FICM controller
- 120 new systems covered
- 150 new vehicle-ECU configurations
- 2 new Adjustment type special test including Extended Fuel Priming and Fuel Rail Pressure Control Test
- 25 new Actuation type special tests including ABS Booster Solenoid Current, DPC Solenoid Duty Cycle tests, HVAC tests, Lamp tests
- Special test fixes/improvements
 - 2002 Explorer SportTrac ABS - fixed "Automated Bleed test gives execution error message"
 - 2006 Zephyr 3.0L - fixed "Desired Idle RPM test would not increase RPM"
 - 2013 Mustang 3.7L - fixed "Injector Disable tests will not work with KOEO"
- Other fixes/improvements
 - 2010 F250 5.4L - Added O2 Sensor Heater current draw parameters

General Motors / Saturn Coverage

- 309 new systems covered
- 452 new vehicle-ECU configurations
- 44 new Adjustment type special tests including:
 - **Engine/PCM** - Clutch Pedal Position Learn, Crankshaft Learn, Fuel Trim Reset, HO2S Heater Learn, Idle Learn Reset, Oil Life Reset, Pilot Injector Balance Procedure
 - **ABS** - Automated Brake Bleed, Steering Angle Sensor Centering, Yaw Rate Sensor Recalibration
 - **Parking Brake** - Park Brake Calibration
 - **Airbag** - Setup New SDM, Synchronize IPC and SIR
 - **Body Controls** - Brake Pedal Position Sensor Calibration, Program Key Fobs, Tire Type/Pressure Selection



- **Climate (HVAC)** - Actuator Recalibration, Afterblow Option
- **Others** - Auto Door Unlock, Assist Step Learn Procedure, Yaw Rate Sensor Learn, Passenger Presence Sensor Learn, Radio Tuner Calibration, Setup New ROS, Steering Wheel Angle Sensor Learn, Steering Tuning Selection
- 74 new Actuation type special tests, including:
 - **Engine/PCM** - Compression Test, Cylinder Power Balance, Depressurize Fuel System, EVAP Purge/Seal, Fuel Injector Balance, Fuel Pressure Control
- Special test fixes/improvements:
 - DPF Regen - fixed an issue where the test would time out
 - 2011 Silverado HD 6.0L - fixed "Idle Learn Reset test missing"
 - 2007 Enclave 3.6L - fixed "Crankshaft Learn fails due to incorrect instructions"
 - 2000 Yukon 5.3L - fixed "Fuel Gauge Test will not work properly"
 - 2003-2004 Tahoe - fixed "Automated Bleed does not work"
 - 2002 Silverado - fixed "will not perform ABS Automated Bleed"
 - 2003 Monte Carlo - fixed Automated Bleed test gives 'error function aborted' message"
 - 2005 Saturn Vue - fixed "Engine and Transmission tests give 'Error Function Aborted' message"
 - 2008 Aveo 1.6L - fixed "many Engine tests are not working properly"
 - 2008 Aveo 1.6L - fixed "Reset Tire Pressure Sensor Learned Value does not perform properly"
 - 2006-2008 Impala - Brake Pedal Position Sensor Calibration tests added
 - 2010 Impala - Secondary Air Pump tests added
 - 2006 GTO 5.7L Manual trans - Added all Engine tests
 - 2006 GTO - Added all ABS tests
 - 2007 Rendezvous 3.5L - Added all Engine tests
 - 2000 Saturn LS2 - fixed EGR Duty Cycle "test failed"
 - 2002 Tahoe 4.8L - fixed "Trans TC Pressure Command not working"
 - 2006 Silverado 4.3L - fixed "unable to command the EVAP vent valve"
 - 2012 Enclave 3.6L - fixed "incorrect instructions for Crankshaft Variation Learn test"
 - 2006 G6 - fixed "missing BPP calibration function"
 - 2013 Malibu Eco - fixed "Hybrid/EV Powertrain Control Module test fails"
 - 2013 Express 6.0L - fixed "EVAP Service Bay Test gives error message 'enable conditions lost' "



- 1995 Camaro ABS - fixed "Gear Tension Relief test gives error message and fails"
- 2013 Lacrosse Power Steering - fixed "Power Steering Softstops Reset gives error function aborted' message"
- 2006 Uplander - fixed "EVAP Vent Solenoid test inoperable"
- 2006 Uplander BODY - fixed "No STs working in Body selections"
- 2005 Yukon - fixed "EVAP Service Bay Test will not complete"
- Improved error messaging when communication errors are encountered
- Other fixes/improvements:
 - 2014 Sierra HVAC Controls - fixed "will not communicate"
 - Added coverage for Transfer Case module for some 2007-2008 6.6L trucks
 - 1998 K1500 ABS - fixed "loses communication with ABS datastream"

New Coverage – USA Asian

Honda Coverage

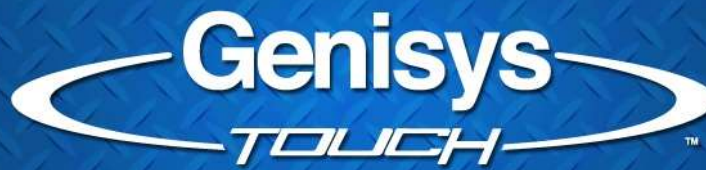
- 16 new systems covered
- 18 new vehicle-ECU configurations
- 15 new Actuation type special tests including Cylinder Cranking Speed Variation Test, EVAP Solenoids Test, and more

Hyundai Coverage

- 2 new Actuation type special tests for Assist Seat Belt Indicator(EC) and Power Window Relay
- Special test fixes/improvements:
 - 2013 Elantra TPMS - fixed "TPMS Registration gives 'input out of range' error message"

Kia Coverage

- 5 new systems covered
- 4 new vehicle-ECU configurations
- 2 new Actuation type special tests for Assist Seat Belt Indicator(EC) and Power Window Relay
- Special test fixes/improvements:
 - 2009 Sorento TPMS - fixed "TPMS Registration gives 'input out of range' error message".



Mazda Coverage

- 5 new Actuation type special tests, including ABS Booster Solenoid Current, All Segments, Gear Indicator, Left Rear Brake Pressure, Right Rear Brake Pressure.

Nissan Coverage

- 2 new Adjustment type special tests for Calibrate Yaw Rate Sensor and Idle Air Volume Learn
- 3 new Actuation type special tests for VSC/TRC Solenoids
- Special test fixes/improvements:
 - Throttle Learn - fixed an issue where the test would time out and not complete successfully
 - Idle Air Volume Learn - fixed an issue where the test would time out and not complete successfully

Toyota Coverage

- 5 new systems covered
- 5 new vehicle-ECU configurations
- 6 new Adjustment type special tests for Air Bleed tests, Calibrate Yaw Rate Sensor and Write VIN
- 28 new Actuation type special tests for ABS Solenoids, Alternator Voltage Control, Fuel Pump Duty Control, indicator lamp tests
- Special test fixes/improvements:
 - Many Toyota/Lexus vehicles - fixed "VVT control test not working properly"
- Other fixes/improvements:
 - 1998-1999 Toyota vehicles - fixed "Cylinders 5 and 6 misfire data not being shown"
 - 2005 Sienna 3.3L - Fixed "no misfire counters listed"
 - 1998-1999 Camry ABS - fixed "incorrect cable adapter being displayed"
 - 1999 ES300 3.0L - fixed "O2 sensor 1 and sensor 2 are reversed"

New Coverage – USA European

Audi Coverage

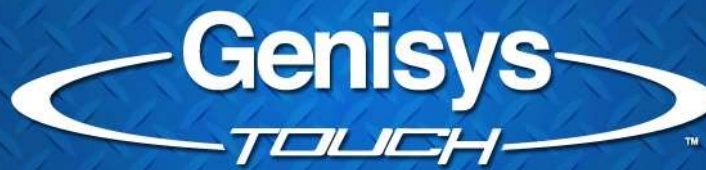
- New coverage for Battery Replacement test in CAN GATEWAY module for 2007-2013 Model Year vehicles
- 164 new systems covered
- 188 new vehicle-ECU configurations



- 13 new Adjustment type special tests for Battery Replacement, Auto Trans Kick-Down (TCM), Brake Pressure Sensor Calibration, Calibrate Lateral Acceleration Sensor, EPB Function Test, Readiness Test
- 4 new Actuation type special tests for Fuel Pump and Intake Manifold Runner
- Special test fixes/improvements:
 - Parking Brake tests - fixed a communication issue with the Parking Brake controller
 - Output Test Mode - fixed issue where actuator descriptions were not being shown
 - Controller Coding - fixed "displays Special Test Error"
 - Improved error messaging when communication errors are encountered
- Communication fixes/improvements:
 - 2010 A5 ENGINE - fixed "all special tests not working"
 - 2013 A4 Quattro ENGINE - fixed "will not clear codes"
 - 2004 A4 AIRBAG - fixed "was able to read DTC but showed no description"

BMW/Mini Coverage

- Expanded coverage for 1995-2014 Model Year for Doors, Seats, Immobilizer, Lights type of controllers
- 495 new systems covered
- 2,537 new vehicle-ECU configurations
- 10 new Adjustment type special tests, including:
 - **Distribution Gearbox** - Coding Data Reset Control, ECU Reset
 - **ABS** - Clear Internal Memory of Sensor Cluster
 - **Parking Brake** - EMF Go Into Installation Position
 - **Instrument Cluster** - Oil Service Reset
 - **Air Conditioning** - Diagnostic test mode reset, Heater Locking Reset, LIN-bus Reset
 - **Others** - Tailgate Control Unit Reset
- 385 new Actuation type special tests, including:
 - **Engine** - Crankcase Vent Heater, Exhaust Flap, Fuel Injector, Fuel Tank Vent Valve, Throttle Valve, Water Pump Control
 - **Transmission** - Selector Lever Lock, Pressure Control Valve tests
 - **ABS/DSC** - Clutch Control, Pump Control
 - **Airbag** - Lamp tests



- **Air Conditioning** - Panel and Display Button tests, Climate Select, Control ELSV Normalization, Control SHZH, Defrost, PTC Control, PTC Set Value
- **Central Electronics** - Lamp and Light tests, Window tests, Lock tests, Rear Lid, Washer Pump
- **Door Modules** - Mirror tests, Window tests, Lock tests
- **Seat Modules** - Backrest Adjust tests, Heater tests, Angle Adjust tests, Height Adjust tests
- **Light Module** - Lamp and Light tests, Window tests, Lock tests, Rear Lid, Washer Pump
- **Others** - Active Roll Stabilization tests, Central Control Unit button and knob tests,
- **Light Module** - Lamp and Light tests
- **Lower Control Module** - Seat Heating tests, Tailgate Lift Module tests

Fiat Coverage

- 2 new Actuation type special tests for Tire Pressure Warning lamp

Mercedes Coverage

- Expanded coverage for 2000-2013 Model Year for Doors, Seats, Audio, Cruise Control, Lights, Park Assist type of controllers
- 859 new systems covered
- 5,061 new vehicle-ECU configurations
- 32 new Adjustment type special tests including:
 - **Electric Parking Brake** - Move To Assembly Position
 - **Air Suspension** - Move To Calibrated Vehicle Level (Automatically)
 - **Door Control** - Adjust Mirror tests, Clear Stop Settings
 - **Seat** - Seat Height Adjustment tests, Seat Angle Adjustment tests, Steering Column Adjustment tests,
- 602 new Actuation type special tests including:
 - **Instrument Cluster** - Lamp and Light tests, Display tests
 - **Door Modules** - Mirror tests, Window tests, Lock tests
 - **Seat Modules** - Backrest Adjust tests, Heater tests, Angle Adjust tests, Height Adjust tests
 - **Headlamp Modules** - Headlamp Aim tests, Swivel Cornering tests
 - **Others** - Signal Acquisition Modules - Lamp, Window and Wiper tests, Parktronic tests, Rear Control Panel tests, Upper Control Panel tests
- Special test fixes/improvements:
 - Added Electric Parking Brake Move to Assembly Position test



- Added Move To Calibrated Vehicle Level (Automatically) test for Suspension systems
- Improved error messaging when communication errors are encountered

Volkswagen Coverage

- New coverage for Battery Replacement test in CAN GATEWAY module for 2007-2013 Model Year vehicles
- 187 new systems covered
- 187 new vehicle-ECU configurations
- 24 new Adjustment type special tests for Battery Replacement, Auto Trans Kick-Down (TCM), Brake Pressure Sensor Calibration, Calibrate Lateral Acceleration Sensor, EPB Function Test, Yaw Rate Sensor, Readiness Test
- 4 new Actuation type special tests for Fuel Pump and Intake Manifold Runner
- Special test fixes/improvements:
 - Parking Brake tests - fixed a communication issue with the Parking Brake controller
 - Output Test Mode - fixed issue where actuator descriptions were not being shown
 - Improved error messaging when communication errors are encountered
- Communications fixes/improvements:
 - 2011 Tiguan PARKING BRAKE - fixed "Communication error is presented when attempting to enter this module"

Volvo Coverage

- Expanded coverage for 1999-2012 Model Year for Doors, Audio, Lights, Media, Park Assist type of controllers
- 317 new systems covered
- 932 new vehicle-ECU configurations
- 143 new Actuation type special tests including:
 - Xenon Light Module - Move Head lamp. Aim To Maximum Pos., Move Head lamp. Aim To Minimum Pos.
 - Door Control - Lock tests
 - Others - Audio and Media module tests, Climate Control Unit - button tests, Infotainment Control Module Button and display tests

Thank you for your patronage!