

Version 2.3.0.29

Overview:

The new version 2.3.0.29 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!

Performance Improvements:

Datastream and Maintenance Tests loading times are improved.

New Key Reprogramming & Battery Disconnect Procedures:

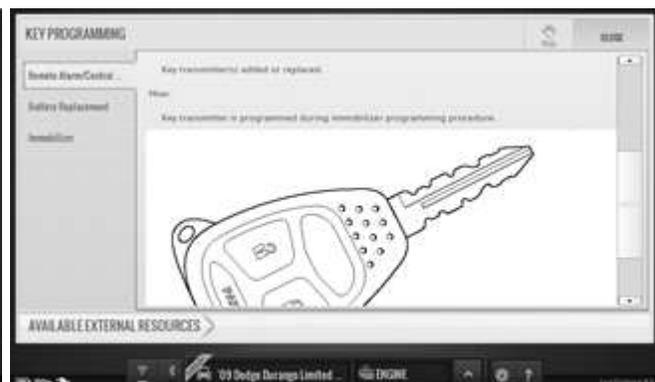
Key Fob & Remote Reprogramming Procedures:

This information details the programming and synchronization procedures for vehicle keys and transmitters for remote controlled alarm, central locking and immobilizer systems. Coverage is for U.S. domestic and import vehicles introduced or revised from the period 1996 – present (partial coverage from 1993 – 1995).

Specifics include:

- System operation including unusual features
- Programming procedures when diagnostic equipment is not required
- Notice of when diagnostic equipment is required
- Illustrated battery replacement procedures for remote and key transmitters
- Immobilizer operation

Main Diagnostic Information Screen with new icons and graphics



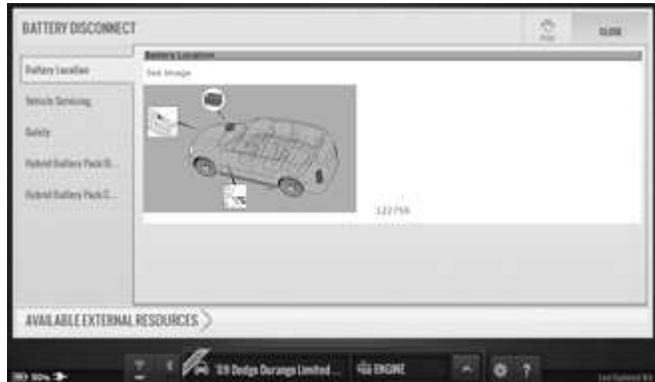
Battery Disconnect Procedures:

This information details when and how to reset electrically operated components, accessories and modules for vehicles that have had battery service, replacement or loss of electrical power. Coverage is for U.S. domestic and import vehicles introduced or revised from the period 2000 – present (partial coverage from 1991 – 1999).

Specifics include:

- Battery disconnection precautions
- Power windows, locks and sunroof programming
- Convenience accessory programming
- Supplemental restraint, ABS system precautions
- Engine and body control system resetting
- Main and auxiliary battery location illustrations
- Illustrated hood and trunk release methods

Battery Disconnect selection and graphics



Tool Update Process Improvements:

Added 'Reinstall Software' button for tools updated using web update.

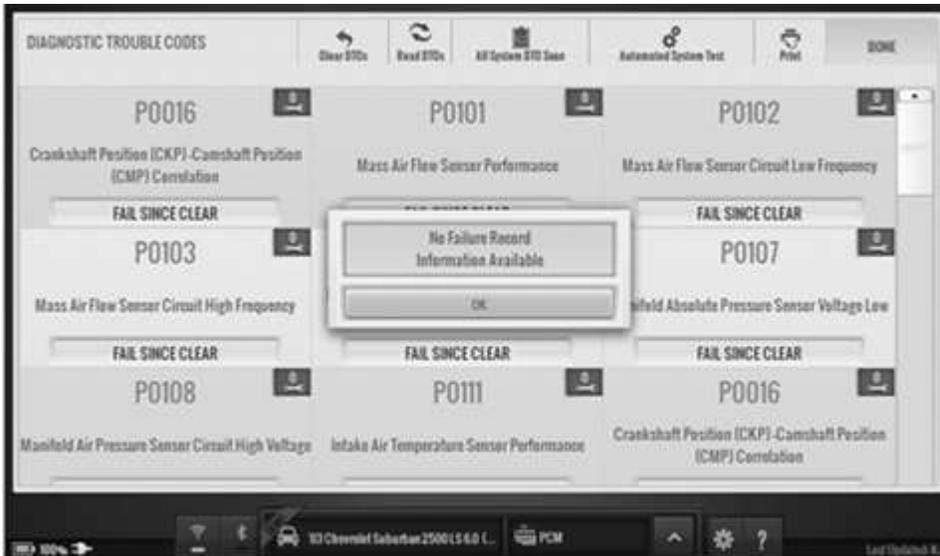


Added GM Failure Records:

GM Failure Records button is available from toolbar as shown below:



When there are no Failure Records ID is available the following information is displayed:



When the Failure Records ID list is available, it is displayed in a new popup as shown below:



Upon selecting the Failure Record ID, Failure Records Freeze Frame data is displayed as shown below:

Parameter	Value	Parameter	Value
Accelerator Pedal Position Average	0	Accelerator Pedal Position Indicated Angle	0
Engine Oil Pressure	79.73 kPa	Clutch Pedal Switch	Invalid
Choke Control Release Brake Pedal Switch	Invalid	Desired Mile Speed	963 MPH
Distance Since Last Failure	0 mi	Distance Since Last Failure	0 mi
Failure Control Transmission Sensor	30	Failure Code	0

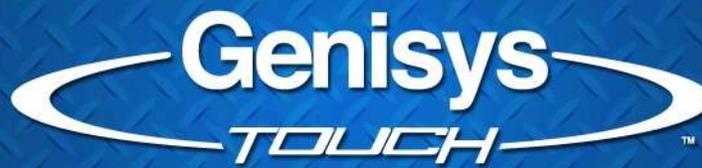
Updated Repair Information for the following:

- Repair-Trac fixes
- Code-Assist Library confirmed fixes
- DTC Circuit Description
- DTC Possible Causes
- Code Info
- Data Item Circuit Description
- Data Item Operating Ranges
- PCM Connector Pin Information (B.O.B)
- Updated ABS Brake Bleed Procedures for all manufacturers
- Updated Oil Light Reset Procedures for all manufacturers

New Vehicle Coverage:

The focus of version 2.3.0.29 Domestic, Asian and European release was:

- New coverage added for 2013 Model Year Audi vehicles
- New coverage added for 2013 Model Year Volkswagen vehicles
- New coverage added for 2014 Model Year Honda vehicles
- New coverage added for 2014 Model Year Hyundai vehicles
- New coverage added for 2014 Model Year Kia vehicles
- New coverage added for 2014 Model Year Mitsubishi vehicles
- New coverage added for 2014 Model Year Nissan vehicles
- New coverage for Ford EVAP Leak Test for many 2003-2012 vehicles
- New coverage for GM Airbag and Body tests to perform Serial Number Resync tests for 2005-2008 vehicles
- New coverage for GM Airbag and IPC tests to perform Resync tests for 1999-2004 vehicles



- New coverage for Hyundai Wheel Alignment Procedure for the Electric Power Steering module on 2012-2014 vehicles
- New coverage for VW and Audi vehicle and system specific tests, including Key Matching tests, DPF and SCR tests, HVAC Test for many vehicles
- New coverage for Jaguar Battery Replacement test, required on 2009-2012 vehicles after replacing the battery
- New coverage for BMW Battery Exchange Register test for the POWER MODULE, required on some BMW 7-Series vehicles after replacing the battery
- Expanded coverage for GM Powertrain, Transfer Case, HVAC and IPC tests for 1996-2001 vehicles
- Added coverage for 1,433 new systems
- Added coverage for 3,378 new vehicle-ECU combinations
- Added 211 new Adjustment type tests
- Added 1,119 new Actuation type tests

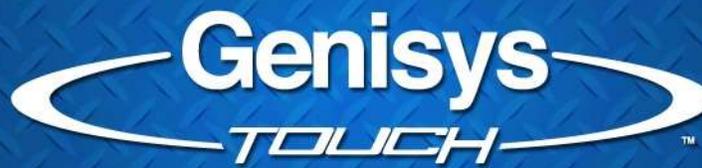
New Coverage – USA Domestic

Chrysler/Jeep Coverage

- 8 new Actuation type special tests, including:
 - Engine Off Injector Toggle Test
 - Engine Running Injector Kill Test
 - Fuel Pump Relay Control State

Ford Coverage

- New coverage added for 2014 Model Year vehicles
- New coverage for EVAP Leak Test for many 2003-2012 vehicles
- 5 new Adjustment type special test, including:
 - Manual DPF Regeneration
 - Reset A/C Engage Request Parameter
 - Reset Exhaust Temperature Protection Inhibit
 - Reset Pump Learning
 - Roll Rate Sensor Initialization Start
- 9 new Actuation type special tests, including:
 - EVAP Leak Test
 - Fuel Level
 - Idle Air Control
 - Lamp tests
 - Trans Pressure Control Solenoids A and C

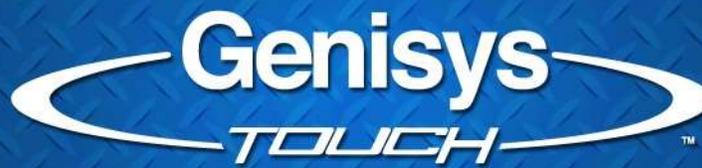


General Motors / Saturn Coverage

- New coverage added for 2014 Model Year vehicles
- Coverage added for DTC Status and Failure Records features
- New coverage for Airbag and Body tests to perform Serial Number Resync tests for 2005-2008 vehicles
- New coverage for Airbag and IPC tests to perform Resync tests for 1999-2004 vehicles
- Expanded coverage of Engine/PCM special tests for 1996-2011 vehicles
- Expanded coverage of Transmission special tests for 2004-2008 vehicles
- Expanded coverage of Transfer Case special tests for 2004-2006 vehicles
- Expanded coverage of ABS special tests for 2007-2012 vehicles
- Expanded coverage for HVAC/Climate Control tests for 2004-2007 vehicles
- Expanded coverage for Instrument Panel/Cluster tests for 1998-2008 vehicles
- 57 new systems covered
- 71 new vehicle-ECU configurations
- 74 new Adjustment type special tests, including:
 - Engine/PCM
 - APP Learn
 - Crankshaft Learn
 - Fuel Trim Reset
 - HO2S Heater Learn
 - Idle Learn Reset
 - IAC Motor Reset
 - Oil Life Reset
 - Pilot Injector Balance Procedure
 - Reset Trans Adapts
 - Clear TAP
 - Learn TAP
 - Transmission
 - Automated Test
 - Clear TAP
 - Reset Trans Adapts
 - Service Cleaning Procedure
 - ABS
 - Automated Bleed
 - Brake Controls Offset Learn



- Airbag
 - Setup SDM Serial Number In BCM
- Body Controls
 - Setup SDM Serial Number In BCM
 - Tire Type/Pressure Selection
- Instrument Panel
 - Synchronize IPC and SIR
 - Write VIN
- Multi-Axis Accel Sensor Module
 - Yaw Rate Sensor Learn
 - Yaw Rate Sensor Recalibration
- Remote Control Door Locks (RCDLR)
 - Program Key FOB 1-4
- 405 new Actuation type special tests, including:
 - Engine/PCM
 - Shift Solenoid tests
 - EVAP tests
 - Cylinder Power Balance
 - Engine Speed Control
 - IAC RPM Intake
 - Exhaust CMP Actuator tests
 - Fan tests
 - Fuel Injector Balance tests
 - Fuel Pump
 - HO2S Heater tests
 - Transmission
 - Shift Solenoid tests
 - PC Solenoid tests
 - TCC Control
 - Transfer Case
 - Motor Driver tests
 - Lamp tests
 - ABS
 - Inlet Valve Solenoid tests
 - VES Test
 - HVAC



- Afterblow
- LED tests
- Blower Motor Speed
- Defrost Mode
- Instrument Panel
 - Display Test
 - Gauge Sweep tests
 - Lamp tests

New Coverage – USA Asian

Honda Coverage

- New coverage added for 2014 Model Year vehicles
- 40 new systems covered
- 981 new vehicle-ECU configurations
- 2 new Adjustment type special tests for the REAL TIME AWD module for ECU Activation and Longitudinal G Sensor Neutral Point Learn
- 9 new Actuation type special tests, including:
 - Light tests
 - Rear Differential tests
 - TPMS Warning light
 - Unlock Trunk

Hyundai Coverage

- New coverage added for 2014 Model Year vehicles
- 160 new systems covered
- 224 new vehicle-ECU configurations
- 13 new Adjustment type special tests, including:
 - ABS/ESC
 - Tests for Longitudinal G Sensor Calibration
 - Auto Detected Configuration Reset
 - Valve Flushing
 - Electric Power Steering
 - Wheel Alignment Procedure
 - Engine
 - Add Correction for O2 Sensor Heaters
 - Oxygen Sensor Test

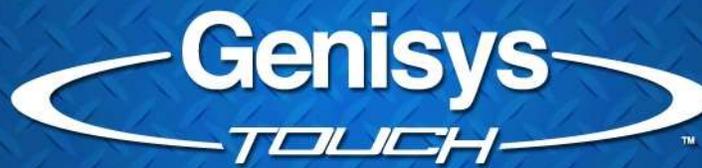


- Write VIN
- PCM Auto Detection Reset
- 346 new Actuation type special tests, including:
 - Active Air Flap tests
 - Hydraulic Booster tests
 - Air Conditioning module tests
 - HEV Motor System tests
 - Instrument Panel lamp tests
 - TPMS tests
 - Body Control
 - Tests for Windows
 - Seats
 - Lamps
 - Door Locks
 - Mirrors
 - Electric Parking Brake
 - Latching Position
 - Mounting Position
 - Clamp/Disable/Release tests
 - Unjam Motor Clamp/Release tests
 - Engine
 - CKP CMP Signal Test
 - CVVT Exhaust
 - EVAP Leak Test
 - GDI Injector tests
 - Ignition Coil tests
 - Oil Change lamp
 - Smart Key Unit
 - Tests for Antennas
 - Buzzers
 - Lamps
 - Transmission
 - Shift Solenoid tests
 - Clutch tests



Kia Coverage

- New coverage added for 2014 Model Year vehicles
- 116 new systems covered
- 172 new vehicle-ECU configurations
- 13 new Adjustment type special tests, including:
 - ABS/ESC
 - Tests for Longitudinal G Sensor Calibration
 - Auto Detected Configuration Reset
 - Electric Power Steering
 - Wheel Alignment Procedure
 - Engine
 - Add. Correction for O2 Sensor Heaters
 - Oxygen Sensor Test
 - Write VIN
 - PCM Auto Detection Reset
 - TEC Learn
- 198 new Actuation type special tests, including:
 - Active Air Flap tests
 - Hydraulic Booster tests
 - Air Conditioning module tests
 - HEV Motor System tests
 - TPMS tests
 - Body Control
 - Tests for Windows
 - Seats
 - Lamps
 - Door Locks
 - Mirrors
 - Engine
 - CKP CMP Signal Test
 - CVVT Exhaust
 - EVAP Leak Test
 - GDI Injector tests
 - Ignition Coil tests
 - Oil Change lamp



- Smart Key Unit
 - Tests for Antennas
 - Buzzers
 - Lamps

Mazda Coverage

- 1 new Adjustment type special tests for the ABS module for Roll Rate Sensor Initialization Start
- 3 new Actuation type special tests, including:
 - EVAP Leak Test
 - Idle Air Control
 - Neutral Tow Light

Mitsubishi Coverage

- New coverage added for 2014 Model Year vehicles
- 37 new systems covered
- 52 new vehicle-ECU configurations
- 34 new Actuation type special tests, including:
 - EVAP tests
 - ABS/TCL tests
 - Fuel Pump
 - Injector tests
 - Fan tests
 - Wastegate Solenoid Valve

Nissan Coverage

- New coverage added for 2014 Model Year vehicles
- 30 new systems covered
- 305 new vehicle-ECU configurations

New Coverage – USA European

Audi Coverage

- New coverage added for 2013 Model Year vehicles
- New coverage for vehicle and system specific tests, including:
 - Key Matching tests
 - DPF tests
 - SCR tests



- HVAC Test and many more
- 95 new systems covered
- 829 new vehicle-ECU configurations
- 49 new Adjustment type special tests, including:
 - Central Convenience
 - Key FOB Clearing and Key FOB Matching tests for 2002-2008 vehicles
 - Central Locks
 - Key FOB Clearing and Key FOB Matching tests for 1998-2006 vehicles
 - Engine
 - Auto Trans Kick-Down
 - DPF Regeneration
 - Intake Camshaft Adjustment
 - Quickstart Kickdown Adaption
 - EGR Cooler Regen
 - Reset After Replacement of DPF
 - Reset After Replacement Of Differential Pressure Sensor
 - Reset After Replacement Of Lambda Sensor
 - Reset After Replacement Of Oxidation Catalytic Converter
 - Reset Of Combustion Chamber Pressure Sensor Adaption
 - Reset Of Reductant System Adaption
 - Reset Of SCR Restriction Counter
 - Reset Of SCR Tank Level Sensing
 - SCR Metering Quantity Test
 - Immobilizer
 - Key Matching by Immobilizer for 2002-2013 vehicles
- 47 new Actuation type special tests, including:
 - Engine
 - Coolant Pump
 - Coolant Valve
 - Diesel Particulate Filter
 - Draining Fuel Tank
 - EGR tests
 - EVAP tests
 - LDP tests
 - Injector tests
 - Intake Runner Flap



- Misfire Monitor
- NOx Sensor tests
- SCR tests
- Auto HVAC
 - HVAC Test for 2004-2006 vehicles

BMW/Mini Coverage

- New coverage for Battery Exchange Register test for the POWER MODULE, required on some BMW 7-Series vehicles after replacing the battery

Jaguar Coverage

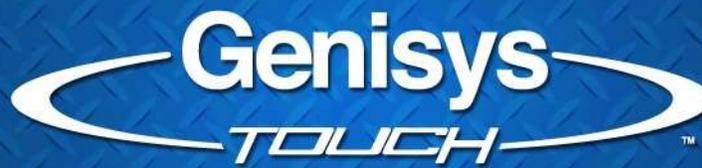
- New coverage for Battery Replacement test, required on 2009-2012 vehicles after replacing the battery

Mercedes Coverage

- 2 new systems covered for Sensotronic Brake Control and 7G-Tronic
- 14 new vehicle-ECU configurations
- 2 new Actuation type special tests including Backup Circuit Brake Switch and Heating Water Circulation Pump

Volkswagen Coverage

- New coverage added for 2013 Model Year vehicles
- New coverage for vehicle and system specific tests, including:
 - Key Matching tests
 - DPF tests
 - SCR tests
 - HVAC Test and many more
- 118 new systems covered
- 305 new vehicle-ECU configurations
- 49 new Adjustment type special tests, including:
 - Central Convenience
 - Key FOB Clearing and Key FOB Matching tests for 2002-2008 vehicles
 - Central Locks
 - Key FOB Clearing and Key FOB Matching tests for 1998-2006 vehicles
 - Engine
 - Auto Trans Kick-Down
 - DPF Regeneration
 - Intake Camshaft Adjustment



- Quickstart Kickdown Adaption
- EGR Cooler Regen
- Reset After Replacement of DPF
- Reset After Replacement Of Differential Pressure Sensor
- Reset After Replacement Of Lambda Sensor
- Reset After Replacement Of Oxidation Catalytic Converter
- Reset Of Combustion Chamber Pressure Sensor Adaption
- Reset Of Reductant System Adaption
- Reset Of SCR Restriction Counter
- Reset Of SCR Tank Level Sensing
- SCR Metering Quantity Test
- Immobilizer
 - Key Matching by Immobilizer for 2002-2013 vehicles
- 36 new Actuation type special tests, including:
 - Engine
 - Coolant Pump
 - Coolant Valve
 - Diesel Particulate Filter
 - Draining Fuel Tank
 - EGR tests
 - EVAP tests
 - LDP tests
 - Injector tests
 - Intake Runner Flap
 - Misfire Monitor
 - NOx Sensor tests
 - SCR tests
 - Auto HVAC
 - HVAC Test for 2004-2006 vehicles

Technician / Customer / Engineering Reported Defect Fixes:

- Enhanced KOEX Self Diagnostics for Ford.
- Enhanced VAG AST and Select ECU.
- Added Warning Message for VAG AWD Controller
- Enhanced Clear DTC for Hyundai/Kia vehicles

- Enhanced Global OBDII communication of several vehicles.
- Added a progress dialog to better inform the user while entering the GOBDII datastream.
- Enhanced Mercedes subfault to account for letter code
- Enhanced scrolling functionality of some of the repair info screens



- Enhanced to take off the random "System Settings" corruption issue which used to result in the "Unknown" presenter version in "System Settings".
- Enhanced bar graph limits when in playback mode
- Fuel type and valve train configuration added to AutoID results.
- Enhanced print functionality in AST Detail, AST Summary, DTC and All DTC scan
- Enhanced AutoID and GOBDII under Spanish.
- On screen keyboard is launched when "Printer Setup" is selected to allow users to complete Network printer configurations
- Sorting is done on Playback screen
- Fixed the hub lockout on Special Tests if accessed via Maintenance Tests.

Thank you for your patronage!