

Bosch ADS Software Update – Dec 2025 Ver 7.0

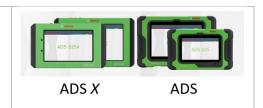
https://www.boschdiagnostics.com/diagnostic-systems

Version 6.14/7.0 update includes more model year **2026 & 2025** vehicle coverage and **ADAS** calibrations.

Over 3,500 new special tests & 1,100 new system applications included in this update.

Also includes continued scan speed improvements, quick updates & option to merge PDF report generation.

Software and coverage feature details provided in these release notes.



Feature Enhancements (Pages 1 through 6)

Rapid Scan Improvements

- 4 brands have been the focus for this release: Honda, VAG, BMW, MB
- Up to 24x rapid scan improvements on certain models.
- Some generic improvements that will be seen in other brands as well.

Quick Updates | Phase 2: Update Deployment and Installation

- In addition to Phase 1 released in October, this update reduces install time significantly to under 10 minutes.
- Additionally, the updater has now been enhanced to detect when the VCI Firmware is up to date and automatically skip its installation step, improving overall installation efficiency.

Merge PDF Reports option

 Feature added that allows PDF report merging for diagnostic scan and calibration reports

Navigate to the Saved Reports section

Go to **Settings** \rightarrow **Saved Reports**.

A new "Merge" button is available on this screen. It remains disabled until two or more reports are selected, fig 1.1.

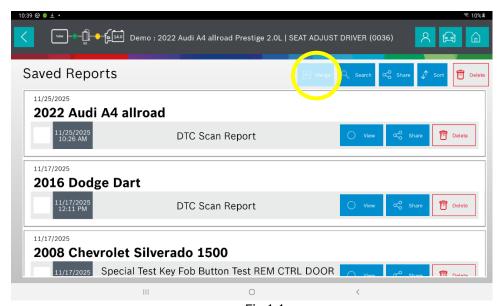


Fig 1.1

2. Select multiple reports

Choose two or more saved reports.

Once multiple reports are selected, the Merge button becomes active, fig 1.2.

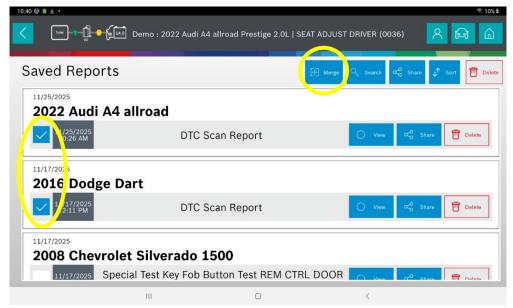


Fig 1.2

3. Combine the selected reports

After clicking Merge the selected PDF reports.

The system generates a **new consolidated PDF file**, which appears under the newly added **"Combined Reports"** section, fig 1.3.

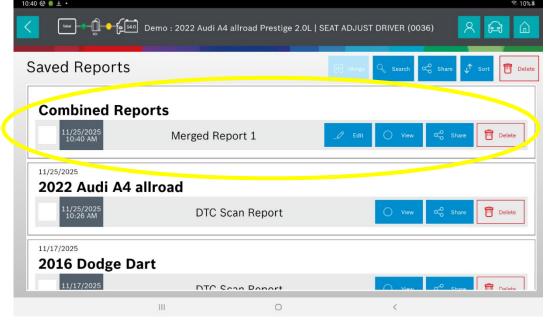


Fig 1.3

4. Edit the combined report's name, fig 1.3.

Select the **edit** icon next to the newly generated combined report.

This opens a dialog where you can rename the report, fig 1.4.

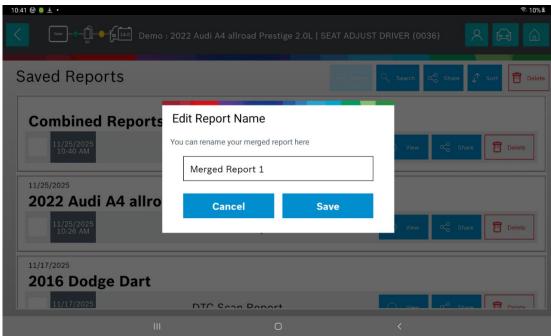


Fig 1.4

5. Save the new name

Click the **save** button to update the report name, see fig 1.4 & the updated name will be saved, fig 1.5.

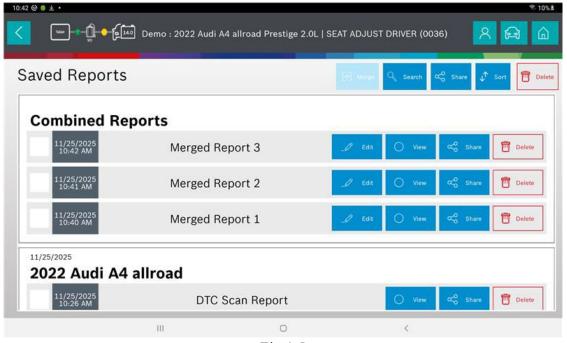
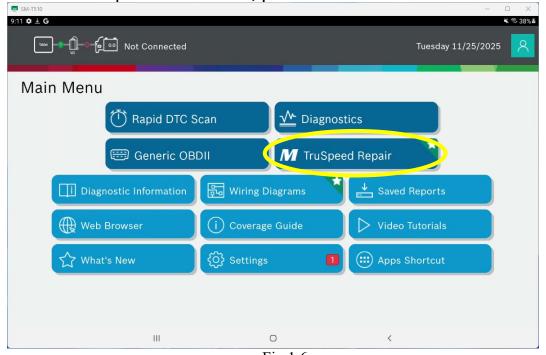


Fig 1.5

TruSpeed Repair: X-Series Branding Refresh

- Repair-Source is migrating to TruSpeed Repair by MOTOR & the branding on the tool has been updated as shown in figures 1.6, 1.7 & 1.8.
- TruSpeed offers expanded and faster coverage development, ADAS related procedures, advanced search capabilities and integrated information with hyperlinks to component locations, procedures and DTC troubleshooting.



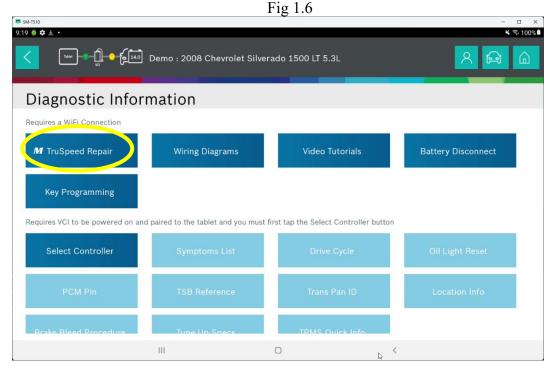


Fig 1.7

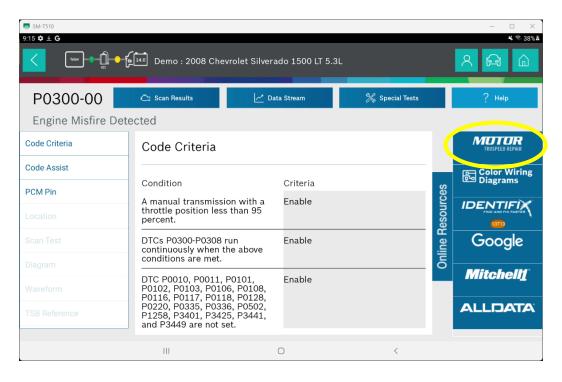


Fig 1.8

Coverage Highlights (More Details start on Page 8)

2026 Coverage added - ADAS Features, DTC, Data support and Bi-Directional functions

- Buick Envista
- Ford Bronco Sport, Escape, Expedition, Explorer, F-550 Super Duty, Maverick, Police Interceptor Utility
- Honda Prologue
- Jaguar F-Pace
- Land Rover Defender 110, Defender 130, Defender 90, Discovery, Discovery Sport, Ranger Rover, Range Rover Evoque, Range Rover Sport, Range Rover Velar
- Lexus GX550, UX300h
- Mazda CX-90
- RAM 2500, 3500
- Subaru Crosstrek, Forester, Impreza
- Toyota bZ, Crown Signia, Tacoma

2025 Coverage added – ADAS Features, DTC, Data support and Bi-Directional functions

- Jaguar F-Pace, I-Pace
- Land Rover Defender 110, Defender 130, Defender 90, Discovery, Discovery Sport, Ranger Rover, Range Rover Evoque, Range Rover Sport, Range Rover Velar
- **Porsche** 911

- MY2022 C-Class (205)
- MY2020 CLA-Class (117)
- MY2023 GLB-Class (247)

Multiple Models and Years Coverage added - Bi-Directional functions

ADS 525X/625X only for bi-directional functions for Hyn/Kia/Gen, Nissan AutoAuth and DoIP system coverage **All Dynamic ADAS calibrations are included in standard ADS Tool Subscription. Static calibrations that require ADAS targets and fixtures require additional ADAS Subscription used with ADS 625/625X.

New Coverage Details – USA Domestic

New Chrysler, Dodge, Jeep, RAM Coverage

Added coverage for 114 new system applications

25 new Adjustment type special tests:

ABS Service Bleed, Actuator Calibration, Automatic Addressing, Cabin Heater Lock Reset, Check PCM VIN, Clutch Sensor Calibration Mode, DTCM Replacement, EPB Service Procedures, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, Exit in Plant Mode, Hard Stop Search, HVAC Actuator Calibration Test, Hydraulic Prove Out Test, Intake Phaser 1 Cleaning, Intake Phaser 2 Cleaning, Learn ETC, Motor Position Learn, Non-Volatile Memory Reset, Quick Learn, Range Position Sensor Reset, Reset Enhanced Automatic Oil Change Indicator, Reset High Voltage Cable Open DTC, Seat Calibration, TLC Learn

448 new Actuation type special tests:

"EOBD" (Electronic On Board Diagnostic) failure indication, 2nd Row Blend Door 1, 2nd Row Blend Door 2, 2nd Row Blend Door 3, 2nd Row Blend Door 4, 2nd Row Mode Door 1, 2nd Row Mode Door 2, 2WD Rolls Mode, 2WD Test Mode, 3rd Row Headrest Release, 3rd Row Mode Door 1 Actuator Position, 3rd Row Mode Door 2 Actuator Position, A/C Request, Abs Failure Indicator, ABS Failure Lamp, A-C Button, A-C Compressor Clutch Relay Control State, A-C INDICATOR, A-C Request, Active Grill Shutter Test, Actuate All Heaters, Actuate All Vents, Actuator Test Injector, Actuator Test Inverse Pump, Actuator Test Pump, Actuator Test Tank Heater, Actuator Test Tube Heater, Aero LED, Aero Level, Airbag failure indication, Airbag Fault Indicator, All LEDs On, Alternator Field Control State, Ambient Lamp, Antilock brake (ABS) failure indication, Approach Light State, AUTO Button, Auto High Beam Indicator, Auto Indicator, Auxiliary Coolant Pump, AVAC Motor Central Position, AVAC Motor Down Most Position, AVAC Motor Up Most Position, Backup Lamp Left, Backup Lamp Right, Balance Settings, Bass Settings, Battery Coolant Heater, Battery Coolant Pump, Blower Motor Speed, Brake Failure Indicator, Brake system failure indication [BRAKE], BSM State, BTSI, Buzzer Control, Cabin Temperature Sensor, Camera Washer, CEGR H-Bridge Valve Duty Cycle, Central high mounted Stop Light (CHMSL), Central Lock (Pass Side), CENTRAL LOCK PASSENGER, Channel 1 Audio Control, Channel 1 Audio Output Status, Channel 10 Audio Control, Channel 10 Audio Output Status, Channel 11 Audio Control, Channel 11 Audio Output Status, Channel 12 Audio Control, Channel 12 Audio Output Status, Channel 13 Audio Output Status, Channel 14 Audio Output Status, Channel 15 Audio Output Status, Channel 16 Audio Output Status, Channel 17 Audio Output Status, Channel 18 Audio Output Status, Channel 19 Audio Output Status, Channel 2 Audio Control, Channel 2 Audio Output Status, Channel 20 Audio Output Status, Channel 21 Audio Output Status, Channel 22 Audio Output Status, Channel 23 Audio Output Status, Channel 24 Audio Output Status, Channel 3 Audio Control, Channel 3 Audio Output Status, Channel 4 Audio Control, Channel 4 Audio Output Status, Channel 5 Audio Control, Channel 5 Audio Output Status, Channel 6 Audio Control, Channel 6 Audio Output Status, Channel 7 Audio Control, Channel 7 Audio Output Status, Channel 8 Audio Control, Channel 8 Audio Output Status, Channel 9 Audio Control, Channel 9 Audio Output Status, CHARGE PLUG LOCK, CHARGE PLUG UNLOCK, Charge Port Command CAN, Charge Port Command Hard Wired, Charge Port Request Tester, Check Engine (MIL) Lamp, CHMSL, Compressor Cool Down, Compressor Current, Compressor Running, Control the steering column, Coolant High Temperature Auxiliary Electric Pump, Cooled EGR H-Bridge Valve System Test, Courtesy Lamp 2, Cushion Extender Motor, DAYLIGHT LAMP LT, DAYLIGHT LAMP RT, DEADLOCK-SECONDARY LOCK (FT), DEADLOCK-SECONDARY LOCK (RR), Defeat Engine ON, Diesel Fuel Heater Relay, Direct Backlight, Door Ajar Indicator, Door Ajar Switches, Door

Handle Power Control, Door Open, Vehicle Does Not Lower, Door Puddle Lamp State, DOWN Select Button, Driver Door Ajar, DRIVER DOOR LOCK LED, Driver Door Lock-Unlock, Driver Heated Seat Button, Driver Temp Down Button, Driver Temp Up Button, DRIVER UNLOCK, DRL Lamp, DTCM Efficiency Position, DTI LTR CLNT PMP, Dual Speed Oil Pump, Duty Cycle Purge Solenoid, EBD Warning Light, EBL (Rear Defrost) Button, EC Mirror State, ECM WAKEUP, Electric Thermostat Heater Solenoid, Electric Vacuum Pump, Emissions Failure Lamp, EMTC Encoder Power Return, EMTC Encoder Power Supply (5V), EPB Auto Apply Control, EPB Drive Away Control, EPB Failure Lamp, EPB Function Lamp, EPB Switch Function LED, ESC Failure Lamp, ESC OFF lamp, ESIM Forced Monitor Test, ETC Throttle Follower Test, Evaporator Sensor Temperature, External Temperature, Externally Controlled Variable Displacement (ECVD) Command (DC), FAD Power Output, FAD Request Output, Fade Settings, Fan Control, Fast Down Leveling Test, Fault Message F1 -Service Air Suspension, FOG LAMP FT LT, FOG LAMP FT RT, Fog Lamp, Freeze Current State, Frequency Step Selection, FRONT DEFROST button, Front Defrost Indicator, Front Mode Door Actuator Position, Front Refrigerant Shut-off Valve, Front Vertical Motor, Front Wiper Hi Speed, Front Wiper Low-Int Speed, Front-Rear Park Assist Button, Front-Rear Washer, Fuel Door Lock, FUEL DOOR UNLOCK, Fuel Door Uulock, Fuel Injector 1 Control State, Fuel Injector 2 Control State, Fuel injector 3 Control State, Fuel Injector 4 Control State, Fuel Injector 5 Control State, Fuel Injector 6 Control State, Fuel Pump Relay Control State, GATED PARK RELAY, Haptic Motor, Head Rest Actuation, Headlamp Washer, Heated Seat Automatic Addressing, Heated Steering Wheel Button, Heated Steering Wheel PWM Control, Heater EBL, Height Sensor Check, HEV Engine Belt-Driven Coolant Pump Clutch Relay, HEV Fuel Tank Isolation Valve Solenoid, High beam headlamp indication, High Beam Indicator, High Beam Light, High Temp Aux Pump, High Temp Cabin Valve Rotation, High Temp Shut-off Valve, Hood Ajar, Horizontal Headrest Motor, Horizontal Motor, Horn, HSD 21W 1, HSD 21W 2, HSD 21W 3, HSD 21W 4, HSD FOR LED 1, HSD FOR LED 2, HSD RELAY 1, HSD RELAY 2, HSD RELAY 3, HSD RELAY 4, HSD RELAY 5, HSD RELAY 6, HSD RELAY 8, HUD Lighting Level, HVAC A-C Indicator, HVAC AUTO Indicator, HVAC Blower Knob Direction, HVAC Front DEF Indicator, HVAC Mode Button, HVAC OFF Button, HVAC Rear DEF Indicator, HVAC REC Indicator, HVAC SYNC Indicator, In Motion Menu, Indicator Channel, Interior Ambient Lighting, Interior Convenience Lamps 2, Interior Convenience Lamps 3, Interior Convenience Lamps, Interior Panel Dimming Lamps 2, Interior Panel Dimming Lamps, Interior Vanity Lamps, Inverter, IP Run 1, IP Run 3, IP Run Start 1, IP Run Start 2, Keypad Backlight Control, KIN OFF LED, KIN RUN LED, KIN Start-Stop Button (SSB) LED, LED Outputs, Left Backup Lamp, Left Daytime Running Lamp, Left Front Fog Lamp, Left Front Park Lamps, Left Front Side Marker, Left Front Turn Signal, Left High Beam Lamp, Left High Beam Shutter, Left Low Beam-HID, Left Rear Door Lock-Unlock, Left Rear Fog Lamp, Left Rear Park Lamp, Left Rear Turn Lamp, Left Signature Lamp, Left Stop-Turn Lamp, Left Turn Light Status, Left turn signal lamp indication, Left Turn Signal Lamp, Level Not Permitted, License Plate Lamps, Load Level, Low Beam Light, Low Temp Passive Pump 1, Low Temp Passive Pump 2, Lower LED, Lowering, LR Door Ajar, LR DOOR LOCK LED, LSD FOR LED 3, Main-Left Temp. Door Actuator Position, Main-Left Temp. Door Position, Middle LED, Mid-Range Settings, Mirror Direction Control, Mirror Fold, Mirror Heat State, Mirror LED Left State, Mirror Right LED State, Mode Door 1 (Panel), Mode Door 2 (Defrost-Demist), Mode Door 3 (Floor), Mode Selection, Motor Brake State, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, Offroad Level 1, Offroad Level 2, Open-Close, OPTIONAL HSD 1 PWM, OPTIONAL HSD 2 PWM, ORC RELAY CONTROL, Oxygen Sensor 1-1 Heater Duty-Cycle, Oxygen Sensor 1-2 Heater Duty-Cycle, Park Lamp Rear Left, Park Lamp Rear Right, Park LED, Park Light, Park Mode Level, Park Mode Pending, Passenger Door Ajar, PASSENGER DOOR LOCK LED, Passenger Door Lock-Unlock, Passenger Heated Seat Button, Passenger Temp Down Button, Passenger Temp Up Button, Pedals, Permanent Static System Fault, Purge Vapors Test, Radiator Cooling Fan PWM Control State, Radiator Cooling Fan PWM Duty-Cycle,

Radiator Fan Duty Cycle, Radio List-Enter Button, Radio Mute Button, Radio Power Button, Radio Screen OFF Button, Radio Tune-Scroll Knob Direction, Radio Volume Knob Direction. Radio Volume, Raising Lowering Interrupted, Raising, Rear Blower CFM, Rear Defrost Indicator, Rear Fog Light Status, Rear Heated Window, Rear Left Position Light Status, Rear Left Window Manual Mode, Rear Right Position Light, Rear Right Turn Lamp, Rear Right Window Manual Mode, Rear Vertical Motor, Rear Wiper, RECIRC button, RECIRC Indicator, Recirc. Door Actuator Position, Recliner Motor, Reduce Speed, Reverse Gear Light Status, Right Backup Lamp, Right Daytime Running Lamp, Right Front Door Handle Power, Right Front Fog Lamp, Right Front Park Lamps, Right Front Side Marker, Right Front Turn Signal, Right High Beam Shutter, Right High Beam, Right Low Beam-HID, Right Rear Door Handle Power, Right Rear Door Lock LED, Right Rear Door Lock-Unlock, Right Rear Fog Lamp, Right Rear Park Lamp, Right Signature Lamp, Right Stop-Turn Lamp, Right Temp. Door Actuator Position, Right Turn Light, Right turn signal lamp indication, Right Turn Signal Lamp, RPS Power Supply (5V), RR Door Ajar, RR DOOR LOCK LED, Run Acc 2, Run, Run-Start 1, SDAR Station Selection, Seat belt unfastened Lamp, Seek Status Tuner AM-FM, Seek Status Tuner DAB, Seek Status, Select Level Switches, Self Test, Service Air Suspension, See Dealer Now -(Red Lamp), Set Engine RPM Test, Short Term Control Motor Current, Side Marker, SIGNATURE LAMP LT, SIGNATURE LAMP RT, Smart Bar Command. Speaker Quadrant Selection, Spring Deflate To Atmosphere, Spring Deflate to Reservoir, SRS Indicator Lamp Request, Standard Vehicle Level, Starter, Steering Column, Stop Light Status, Stop-Turn Lamp Left, Stop-Turn Lamp Right, SUNROOF MOTOR, Surge Solenoid Control State, SYNC Indicator, System Disabled (Tire Jack Mode), System Temporarily Not Available, T-Case Motor Brake HSD Output, T-Case Motor Brake LSD Duty Cycle, T-Case Motor Direction, T-Case Motor Duty Cycle, Top LED, TPMS Generic Failure Lamp, TPMS, Transfer Case Clutch Torque, Transponder Antenna Power, Treble Settings, Trunk Door Handle Power, Trunk-Gate, Turn Light, Turn Signal Lamp State, UGDO, Under Inflation Lamp, Unlock Left Rear Door, Unlock Left Rear, UNLOCK LT RR, Unlock Right Rear Door, Unlock Right Rear, UNLOCK RT RR, Unlock RUN-START, UP Select Button, Vacuum Pump Relay, Vehicle Speed Output, Vehicle Speed-RPM, Vehicle Theft Alarm, Vertical Front, Vertical Headrest Motor, Vertical Rear, Video Input, VTA Lamp, VVA Solenoids Pre-Energization, VVT Exhaust Phaser 1 Actuator, VVT Intake Phaser 1 Actuator, Washer Camera, Window Hall Sense Supply, Window State, WINDSHIELD HEATER RELAY DR, Windshield Heater Relay, Yellow Fault Lamp

New Ford/Lincoln Coverage

Added coverage for 207 new system applications

2 new Adjustment type special tests:

Occupant Classification System Module (OCSM) Reset, Reset KAM

268 new Actuation type special tests:

% Of Total Fuel Mass To Be Delivered By Direct Inj -Commanded, (Cruise) Resume Switch, (Cruise) Set- Switch, (Cruise) Set+ Switch, 4WD-AWD Front Axle Disconnect - Clutch Commanded State, 4WD-AWD Front Axle Disconnect - High Level Strategy Commanded, 4WD-AWD Power Transfer Unit - Clutch Commanded State, 4WD-AWD Power Transfer Unit - High Level Strategy Commanded, 4WD-AWD Rear Differential Unit Actuator -A- Requested Torque, 4WD-AWD Transfer Case Motor Position Request, ABS Valve Power Supply, ABS Warning Lamp, A-C Recirculating Servo Position Status, Active Grille Air Shutter -A- Position Commanded, Actuator Supply Voltage -B- Control State, Adaptive Cruise Distance Gap (-) Switch, Adaptive Cruise Distance Gap (+) Switch, AHD (Auto Headlamp Dipped), Air Conditioning Clutch Engaged, Air Conditioning Compressor Commanded State, Air Mode Actuator, Airbag Warning Indicator, All Warning Lamps, Anti-Theft Horn Status, Auxiliary

Blower Output, Auxiliary Transmission Fluid Pump Commanded, Backward Pedal Position Control, Blind Spot Detection System Telltale, Blower Motor Speed, Brake System Fault Indicator Lamp, Cabin Coolant Heater Control, Camera Power Control, Center High Mounted Stop Lamp Output Control, Center Speaker Status, Center Tweeter Status, Commanded Equivalence Ratio (Air to Fuel Mixture) Bank 1, Common Vertical Horizontal Left Mirror Motor, Common Vertical Horizontal Right Mirror Motor, Coolant Overtemp, Coolant Pump -A- Control Speed - Commanded, Coolant Pump -A- is Commanded On, Coolant Pump -B- Control Speed - Commanded, Courtesy Lamps, Courtesy Puddle Step Lamps, DC To DC Converter Enable, Delayed Accessory Power, Demand Lamp Output, Desired Idle Speed (Rpm), Desired RPM for Idle Speed Control (High Res.), Diesel Pre-Heater, Door Ajar Warning Indicator, Driver Heated Seat, Dynamic Stability Control (DSC) Off, Eco Stop-Start, EGR Valve Position Desired, Electric Transmission Fluid Pump Control Duty Cycle - Commanded, Engine Coolant Bypass Valve Control Output, Engine Idle Shutdown Extended, Engine Oil Pressure Control Duty Cycle - Commanded, Engine Running Fuel Injector Control, EVAP Canister Vent Valve Open - Close, EVAP Purge Valve duty cycle, Evaporative System Leak Detection Pump Commanded State, Exhaust Heat Exchanger Bypass Valve A Control Signal Duty Cycle, Fan control high speed, Fan control low speed, Fan Speed Desired, FM Radio Band, Forward Pedal Position Control, Front Fog Lamp Indicator, Front Park Lamps Output, Front Window Down Output, Front Window Up Output, Fuel Fill Door Unlock Output - Commanded To Enable State, Fuel Gauge Indicator Control, Fuel Pressure Control Valve, Fuel Pump Relay, Fuel Pump, Fuel Rail Pressure Desired, Fuel Volume Control Valve, Gear Commanded, General Warning Indicator 1 (Red), General Warning Indicator 2 (Amber), Generator 2 Voltage Desired, Generator Voltage Desired, Glow Plug Voltage Commanded, Heater Control For HO2S 11 And HO2S 21, Heater Control For HO2S 12 And HO2S 22, HEV Ready Light, High Beam Indicator, Hill Descent Control, Horizontal Motor Backward, Horizontal Motor Forward, Horn Relay, Hybrid-EV Traction Battery Thermal System Operational Levels, Hydraulic Pump Motor, Intake Manifold Runner Control, Key (Removal) Inhibit, KOEO Injector Buzz Self Test, KOEO Self Test, KOER Self Test, Lamp Control, Lane Departure Warning Telltale, LED Backlighting, Left Blend Door Position, Left Bottom Bolster Bladder Inflate Status, Left Cursor Down Arrow, Left Cursor Left Arrow, Left Cursor OK Button, Left Cursor Right Arrow, Left Cursor Up Arrow, Left Front Defrost Output, Left Front Dump, Left Front Fog Lamp, Left Front Isolation Valve, Left Front Speaker Status, Left Front Turn Signal Lamp Status, Left Front Tweeter Status, Left Front-Right Rear Traction Control Supply 1, Left Front-Right Rear Traction Control Valve 1, Left Headlamp High Beam, Left Headlamp Low Beam, Left Rear Dump, Left Rear Isolation Valve, Left Rear Speaker Status, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Rear Tweeter Status, Left Side Bolster Bladder Inflate Status, Left Side Turn Repeater Status, Left Turn Signal Lamp Status, License Plate Lamp Output, LIGHTS ON WARNING., Line Pressure Control Desired, Load Shed Output Control, Low Fuel Warning Indication, Low Washer Fluid Warning, Lower Lumbar Bladder Inflate Status, Lumbar Forward Motor Control, Maintenance Warning Lamp, Max Defrost, Mid-Lumbar Bladder Inflate Status, Mirror Fold In Output, Mirror Fold Out Output, Motor Electronics Coolant Pump, Oil Pressure Low Indicator, Oil Pressure, On Demand Test, One-Touch Start Status, Output State Control Of Torque Converter, Over Drive (O-D) off, Passenger Heated Seat, PCM WAKEUP LINE, Performance Shift Lamp, Power Fold Mirror Activation Status, Rear (Hyac) Mode Control Input, Rear Blower Control, Rear Fog Lamp Indicator, Rear Motor Down, Rear Motor Up, Rear Temperature Flap Position, Rear Window Down Output, Rear Window Up Output, Recline Motor Backward, Recline Motor Forward, Reverse Lamp, Right Blend Door Position, Right Bottom Bolster Bladder Inflate Status, Right Cursor Down Arrow, Right Cursor Left Arrow, Right Cursor OK Button, Right Cursor Right Arrow, Right Cursor Up Arrow, Right Front Defrost Output, Right Front Dump, Right Front Fog Lamp, Right Front Isolation Valve, Right Front Speaker Status, Right Front Turn Signal Lamp Status, Right Front Tweeter Status, Right Front-Left Rear Traction Control Supply 2, Right Front-Left Rear Traction Control Valve 2, Right Headlamp High Beam,

Right Headlamp Low Beam, Right Rear Dump, Right Rear Isolation Valve, Right Rear Speaker Status, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Rear Tweeter Status, Right Side Bolster Bladder Inflate Status, Right Side Turn Repeater Status, Right Turn Signal Lamp Status, Run-Accessory Output Control, Safety Belt Warning Lamp, Seat Bladder Pump Status, Seat Cushion Bladder Inflate Status 1, Seat Cushion Bladder Inflate Status 2, Seat Cushion Bladder Inflate Status 3, Seat Cushion Bladder Inflate Status 4, Seat Tilt Down Motor Control, Service Tool Fuel Multiplier For Cylinder 1, Service Tool Fuel Multiplier For Cylinder 2, Service Tool Fuel Multiplier For Cylinder 3, Service Tool Fuel Multiplier For Cylinder 4, Service Tool Fuel Multiplier For Cylinder 5, Service Tool Fuel Multiplier For Cylinder 6, Service Tool Fuel Multiplier For Cylinder 7, Service Tool Fuel Multiplier For Cylinder 8, Shift Interlock Circuit Status, Shift Solenoid F Commanded Current, Shift Solenoid Pressure Control A, Shift Solenoid Pressure Control B, Shift Solenoid Pressure Control C, Shift Solenoid Pressure Control D, Shift Solenoid Pressure Control E, Shock Setting Button, Side Light Lamp, Side Mirror Heating Output Control, Side Mirror Turn Signal Lamp Control, Sounder Output Request, Spark Advance, Speed Control (ASLD) Switch, Speed Control Actuator Switch Off, Speed Control Actuator Switch On, Speed Control Cancel Switch, Speed Control Cancel-Resume Switch, Speed Control Gap Switch, Speed Control On-Off Cancel Switch, Speed Control On-Off Switch, Speedometer, Spotlight Mirror Output, Spotlight Switch Status, Start Button Mode Indicator Control, Starter Motor Control Output Detected, Steering Effort Button, Stop-Start Telltale Amber, Stop-Start Telltale Red, Subwoofer Status, Tachometer Gauge Indicator Control, Temperature Gauge, Third Row Left Speaker Status, Third Row Power Fold Seat Output, Third Row Right Speaker Status, Throttle Position - Desired, Tire Pressure Telltale Status, Torque Converter Clutch Solenoid Commanded Current, Traction Control Indicator, Traction Control Off Indicator, Trailer Brake Output Circuit Duty Cycle -Measured, Trailer Tow Park-Tail Lamp Output, Trans Hydraulic Accumulator Sol Ckt - Commanded Energized, Transmission System (Mil) Fault, Transmission Temperature Gauge Pointer Position, Turbo Boost Gauge Pointer Placement Command, Turbocharger Bypass Valve 1, Turbocharger-Supercharger Wastegate -A- Commanded, Upper Lumbar Bladder Inflate Status, Variable Camshaft Timing Exhaust Angle Desired, Variable Camshaft Timing Intake Desired Angle, Variable Geometry Turbocharger Commanded, Vertical Left Mirror Motor, Vertical Right Mirror Motor, Viscous Fan Pulse Width Modulated Control - Commanded, Volume, Warning Lamp Status 1 -Charge Warning, Water In Fuel Indicator

New GM Coverage

o Added coverage for 20 new system applications

33 new Adjustment type special tests:

Automated Brake Bleed, Backup Battery Timer Reset, Brake Pedal Position Sensor Learn, Brake System Plunger Motor Position Sensor Learn, Brake System Plunger Pressure Rise Starting Point Learn, CAN Bus Configuration Learn, Clear Approach Detection Disable Reasons, Clear Disable History Data, Clear Driver Window Learned Values, Clear Left Rear Window Learned Values, Clear Manufacturer Enable Counter, Clear Passenger Window Learned Values, Clear Right Rear Window Learned Values, Drive Motor Position Sensor Offset Reset, Front Axle Brake Pad Life Monitoring Reset, Hybrid/Electric Vehicle Battery Interface Control Module Over Temperature Reset, Hybrid/Electric Vehicle Battery Interface Control Module Voltage Sensor Circuits High - Low Reset, License Compliance Materials Download Error Counter Reset - Wireless Charging System Equipped, License Compliance Materials Download Error Counter Reset, Park Brake Calibration, Passenger Presence Sensor Learn, Radio Favorites Reset, Rear Axle Brake Pad Life Monitoring Reset, Remote Vehicle Speed Limiting Reset, Request Radio Registration, Reset High Voltage Disable Request After Crash Event Detected, Reset Teen Driver Key PIN, Steering Wheel Angle Sensor Offset Calibration, System Isolation / Impact

Sensor Fault - Hybrid/Electric Vehicle Battery System Reset, Tire Pressure Reset, Vehicle Dynamic Sensor Offset Calibration, WLAN Password Reset

114 new Actuation type special tests:

Accent Lighting 1, Accent Lighting 2, Accessory Circuit 1 Command, Accessory Circuit 2 Command, Accessory Circuit 3 Command, Accessory Circuit 4 Command, Accessory Power Mode Indicator, Accessory/Retained Accessory Power Relay, Activate Rear Park Brake Service Position, Audio Source Control, Backup Lamps, Brake Hydraulics Test, Brake Transmission Shift Interlock Solenoid Actuator, Cargo Lamp, Center Brake Lamp, Center High Mounted Stop Lamp, Clear Parking Assist Disable History Data, Control Functions, Courtesy Lamps, Deactivate Brake Boost System, Deactivate Rear Park Brake Service Position, Display Check, Door Lock / Unlock, Drive Motor Clutch Actuator, Drive Motor Clutch, Drive Unit Fluid Pump 2 Speed Command, Drive Unit Fluid Pump Speed Command, Drive Unit Fluid Pumps Speed Command for Service Fill, Driver Seat Cushion Left Front Haptic Movement, Driver Seat Cushion Right Front Haptic Movement, Driver Window Motor, Exterior Driver Door Handle Switch, Exterior Left Rear Door Handle Switch, Exterior Passenger Door Handle Switch, Exterior Right Rear Door Handle Switch, Fader Position Control, Front Suspension Position Sensor Trim Height, GEN L-Terminal, Generator Regulator Setpoint, Green Indicator, Hands-Free Liftgate Sensor Lamp, Head-Up Display Pattern Check, High Beams, Horn Relay, Hybrid/Electric Vehicle Battery Pack Coolant Pump Speed, Illuminate All Indicators, Inadvertent Load, Indicator Dimming, Info Display Dimming, Instrument Cluster, LED Backlight Dimming, Left Daytime Running Lamp, Left Dedicated Daytime Running Lamp, Left Front Corner, Left Front Park Lamp, Left Front Shock Absorber Actuator, Left Front Turn Signal Lamp, Left Headlamp Low Beam, Left High Beam, Left Park Brake Actuator, Left Park Lamps, Left Rear Corner, Left Rear Shock Absorber Actuator, Left Rear Turn Signal/Brake Lamp, Left Rear Window Motor, Left Stop Lamp, Left Tail Lamp, Left Turn Signal, License Plate Lamps, Master Cylinder Pressure Test Data, Object Detection Alert Indicators, Passenger Air Bag Off Indicator, Passenger Air Bag On Indicator, Passenger Seat Belt Reminder Indicator, Passenger Seat Belt Tension Sensor, Passenger Window Motor, Phone Call Test, Proactive Alerts, Read LIN Bus Device ID Information, Rear Cross Traffic Audible Alert, Rearview Camera Display, Red Indicator, Right Daytime Running Lamp, Right Dedicated Daytime Running Lamp, Right Front Corner, Right Front Park Lamp, Right Front Shock Absorber Actuator, Right Front Turn Signal Lamp, Right Headlamp Low Beam, Right High Beam, Right Park Brake Actuator, Right Park Lamps, Right Rear Corner, Right Rear Shock Absorber Actuator, Right Rear Turn Signal/Brake Lamp, Right Rear Window Motor, Right Stop Lamp, Right Tail Lamp, Right Turn Signal, Run Crank Relay, Run/Start Power Mode Indicator, Seat Back Horizontal Movement, Seat Back Side Bolster Movement, Seat Cushion Front Vertical Movement, Seat Cushion Rear Vertical Movement, Seat Cushion Side Bolster Movement, Seat Horizontal Movement, Seat Lumbar Support Horizontal Movement, Security Indicator, Steering Column Adjustment, Vehicle Health Data Upload, Window Lockout Switch Indicator, Windshield Washer Relay, Windshield Wiper Motor Relay

New Coverage Details – USA Asian

New Honda/Acura Coverage

o Added coverage for 42 new system applications

26 new Adjustment type special tests:

Ambient Air Temperature Calculation Reset, Backup Battery Timer Reset, Brake Pedal Position Sensor Learn, Charge Port Temperature Rate Of Charge Too High - Level 2 Reset, Clear Short Range Radar Sensor Vehicle Position, Drive Motor Position Sensor Offset Reset, HVAC Actuators

Learn, HVAC Afterblow Configuration, Hybrid/Electric Vehicle Battery Contactor Open Reason History Reset, Hybrid/Electric Vehicle Battery DC Charging Disabled Reset, Hybrid/Electric Vehicle Battery Interface Control Module Over Temperature Reset, Hybrid/Electric Vehicle Battery Interface Control Module Voltage Sensor Circuits High - Low Reset, Hybrid/Electric Vehicle Range Reset, Hybrid/EV Battery Pack Charging Adaptive Learn Reset, Liftgate Maximum Open Position Learn, Power Steering Active Pull/Drift Compensation Learn, Radio Favorites Reset, Rear Gate Driver Information Center Message Reset, Reset Event Records, Reset High Voltage Disable Request After Crash Event Detected, Reset Teen Driver Key PIN, RVS Disable History Reset, Steering Wheel Angle Sensor Centering, System Isolation / Impact Sensor Fault - Hybrid/Electric Vehicle Battery System Reset, Tire Pressure Sensors Learn, Vehicle Dynamic Sensor Offset Calibration

110 new Actuation type special tests:

A/C Compressor Solenoid Valve, Accessory Circuit 1 Command, Accessory Circuit 2 Command, Accessory Circuit 3 Command, Accessory Circuit 4 Command, Active Grille Air Shutter, Air Conditioning Compressor System Test Request, Air Conditioning Condenser Refrigerant Flow Valve - External Command, Air Conditioning Condenser Refrigerant Flow Valve - Heater Command, Air Conditioning Refrigerant Evacuation and Service Fill Request, Audio Source Control, Backup Lamps, Balance, Bass, Blower Motor, Brake System Boost Pressure Test, Center High Mounted Stop Lamp, Charge Port Door Actuator Position Command, Charge Port Light Command, Clear Parking Assist Disable History Data, Cooling Fan, Display Check, Drive Unit Park Control Actuator Command, Driver Seat Cushion Left Front Haptic Movement, Driver Seat Cushion Right Front Haptic Movement, Electric Air Conditioning Compressor Run-In, Electronic Transmission Range Selection Request, Emblem Light, Equalize All Air Spring Pressures, Equalize Front Axle Spring Pressures, Equalize Rear Axle Spring Pressures, Exit Four Corner Air Suspension Service Control Mode, Fader Position Control, Fog Lamps, Front Suspension Position Sensor Trim Height, Hands-Free Sensor Lamp Command, Hybrid/Electric Vehicle Battery Pack Capacity Fast Learn, Hybrid/Electric Vehicle Battery Pack Coolant Pump Speed, Hybrid/Electric Vehicle Coolant Heater System Test Request, Hybrid/Electric Vehicle Propulsion System Main Coolant Control Valve Command, Hybrid/Electric Vehicle Service Coolant Fill Request, Hybrid/EV Battery Pack Active Isolation Test, Info Display Dimming, Instrument Cluster, Lane Departure Switch LED, Left Daytime Running Lamp, Left Front Air Spring Deflate, Left Front Air Spring Inflate, Left Front Shock Absorber Actuator, Left Front Suspension Position Sensor Trim Height, Left Front Turn Signal Lamp, Left Front Window Switch Command, Left High Beam, Left Low Beam, Left Rear Air Spring Deflate, Left Rear Air Spring Inflate, Left Rear Shock Absorber Actuator, Left Rear Suspension Position Sensor Trim Height (mm), Left Rear Turn Signal Lamp, Left Rear Turn Signal/Stop Lamp, Left Rear Window Switch Command, Left Stop Lamp, Left Tail Lamp, Left Trailer Turn Signal/Stop Lamp Command, Left Turn Signal, Level Vehicle to Target Height, License Plate Lamps, Liftgate Open/Close, Low-Voltage Circuit Enable, Mid-Range, Parking Lamps, Pneumatic Connection Pressure Test, Proactive Alerts, Right Daytime Running Lamp, Right Front Air Spring Deflate, Right Front Air Spring Inflate, Right Front Shock Absorber Actuator, Right Front Suspension Position Sensor Trim Height, Right Front Turn Signal Lamp, Right Front Window Switch Command, Right High Beam, Right Low Beam, Right Rear Air Spring Deflate, Right Rear Air Spring Inflate, Right Rear Shock Absorber Actuator, Right Rear Suspension Position Sensor Trim Height (mm), Right Rear Turn Signal Lamp, Right Rear Turn Signal/Stop Lamp, Right Rear Window Switch Command, Right Stop Lamp, Right Tail Lamp, Right Trailer Turn Signal/Stop Lamp Command, Right Turn Signal, Seat Back Horizontal Movement, Seat Back Side Bolster Movement, Seat Cushion Front Vertical Movement, Seat Cushion Rear Vertical Movement, Seat Horizontal Movement, Seat Lumbar Support Horizontal Movement, Seat Lumbar Support Vertical Movement, Sensor Supply Voltage, Steering Column Adjustment, Trailer Backup Lamps, Trailer Left Parking

Lamp Command, Trailer Park Lamps, Trailer Right Parking Lamp Command, Transport Mode, Treble, Windshield Washer Pump, Windshield Wiper Relay

New Mazda Coverage

Added coverage for 32 new system applications

New Subaru Coverage

Added coverage for 109 new system applications

35 new Adjustment type special tests:

Actuator Initialization, AT learning mode, Auto Retractable Power Door Mirror Open Close ON/OFF Setting, Auto Retractable Power Door Mirror Open Trigger Setting, Auto Wiper at startup Setting, Camera Caution Display Settings, Camera Guide Line Settings, Clear AT Learning Value, Compressor Auto Mode, Diag Recorder Settings, Foot/DEF Auto Mode, Foot/Def Automatic Fan Speed Increase Function, Fresh/Recircle Air Door Auto Mode, Idle Speed Adjustment, Initial Button Setting, Initial Security Setting, Memory Initialization, Mode/All Flow, Mode/Heat Ill, Mode/Vent II, RAB Operation Record Data, Rear blower fan level, Record Clear, Release Max A/C By Mode Sw, Reverse Interlocking Door Mirror Last Memory ON/OFF Setting, Reverse Interlocking Door Mirror ON/OFF Setting, Reverse Interlocking Door Mirror Tilt Down Side Setting, Set Temperature Shift, Simple Roughness Monitor, System Initialization, Tire Pressure Sensor Registration, Variable compressor break-in drive, Variable Flow Change Sol Duty Setting, VIN Entry, Wiper link Auto Light Setting

204 new Actuation type special tests:

A/C Change Setting, A/C Compressor Relay, A/C Relay, A/T Oil Temperature, ABS Sequence Control Mode, ABS Warning, Active Grill Shutter Test, Air Mix Door Actuator Target Open (Driver Side), Air Mix Door Actuator Target Open (Passenger Side), Airbag Warning, Airmix Dr Act Trgt Open Angle (Drivers), Airmix Dr Act Trgt Open Angle (Pass), All Lamps, All seat UNLOCK output, All seats door warning, Alternator control mode, AM Seek Up/Down, Ambient Air Temperature setting, Ambient Temperature, AUTO switch mode setting, Auto Switch, AWD Linear Solenoid, AWD Mode Select, AWD Solenoid, AWD, Blower Fan Level Setting, Brake Lamp Lighting Operation, Brake Maintenance Mode, Brake Warning, Brightness, Canister Purge Control Solenoid, Charge, Check E/G warning, Color Check: Black, Color Check: Blue, Color Check: Cross Talking, Color Check: Gradation, Color Check: Green, Color Check: Red, Color Check: White, Compression monitor, Coolant Circulation Valve Control, Cruise Indicator, D range display, Diag Recorder Data delete, Diag Recorder Data output, Digital Audio Broadcast Antenna Check, Digital TV check, Door Mirror Indicator Active Test, Down range display, Driver Door, Driver Seat Belt Reminder, Driver Seat Mirror Operation Test, Dual-Range LO Indicator, E/G remaining oil warning, EGR Control, EGR Valve Control (Duty), ELCM pump, ELCM switching valve, EPB Active, EPB Hill Hold, EPS Indicator Lamp, Exhaust Control Valve Control, EYESIGHT failure, Fixed Idle Ignition Timing, FM Seek Up/Down, FR Clutch Solenoid, Fresh/Rec Air Dr Act Trgt Open Angle, Front Fog Lamp Indicator, Fuel efficiency gauge (ECO gauge) 1/2 scale command, Fuel efficiency gauge (ECO gauge) 1/4 scale command, Fuel efficiency gauge (ECO gauge) 3/4 scale command, Fuel efficiency gauge (ECO gauge) MAX scale command, Fuel efficiency gauge (ECO gauge) MIN scale command, Fuel Pump OFF, Fuel Pump Relay, Fuel sender E-point command, Fuel sender F-point command, Fuel Warning Lamp, HBA OFF/FAIL, HBA, Heater core temperature setting, Heater Water Temperature Setting, HID auto leveler, High Beam Indicator, Hill start assist OFF/failure indicator, Horn Output, Illumination Lights Test, Immobilizer, Injection Quantity Control, Injection Stop Mode (Injector 1), Injection Stop Mode (Injector 2), Injection Stop

Mode (Injector 3), Injection Stop Mode (Injector 4), Injection Stop Mode (Injector 5), Injection Stop Mode (Injector 6), In-Vehicle Air Temperature Setting, Keyless Buzzer, L range display, LANE OFF, LED LO beam, LED Switch Lighting Test, Left Steering Responsive Headlight, Line Solenoid, lock actual. LOCK output, Lock-Up Duty Solenoid, Low Fuel Warning Indication, LP - EGR Valve Control, Meter 1/2 scale command, Meter 1/4 scale command, Meter 3/4 scale command, Meter E scale command, Meter F-scale command, Mode Door Actuator Opening Angle Target, N range display, Night Brightness Check: Dark, Night Brightness Check: Most Bright, Night Brightness Check: Most Dark, Night Brightness Check: Standard, No-key warning, Noon Brightness Check: Bright, Noon Brightness Check: Dark, Noon Brightness Check: Most Bright, Noon Brightness Check: Most Dark, Noon Brightness Check: Standard, Odometer numerical device display 0, Odometer numerical device display 1, Odometer numerical device display 2, Odometer numerical device display 3, Odometer numerical device display 4, Odometer numerical device display 6, Odometer numerical device display 7, Odometer numerical device display 8, Odometer numerical device display 9, Oil Pressure, P Range Display, Part Number, Passenger Door, Passenger Seat Mirror Operation Test, P-CR OFF, Position light, Power Meter (100%), Power Meter (-100%), Power Windows Tests, Primary Down Solenoid, Primary Up Solenoid, Quantity of Sunload Setting, R range display, Radiator Fan Relay, Range Display Test, Rear Defogger, Rear Differential Inspection Mode, Rear Fog Lamp Indicator, Rear Left Door, Rear Right Door, Recline Motor Backward, Recline Motor Forward, Right Steering Responsive Headlight, ROM ID, Seat Slide Backward, Seat Slide Forward, Secondary Solenoid Current, SET Indicator, Shift Indicator Lamp, Shift Lock Solenoid, Software Information, Software version, Sounder Output, Speedometer test, SRH OFF, SRVD OFF, SRVD, Tachometer test, Temp Gauge: C-Lock, Temp Gauge: C-Point, Temp Gauge: Dial 1 Instructions, Temp Gauge: Dial 2 Instructions, Temp Gauge: H-Lock, Temp Gauge: H-Point, Temp Gauge: Intermediate Stability Indication, Temp Gauge: Z-Point, TPMS Warning Light, Trip meter numerical device display 0, Trip meter numerical device display 1, Trip meter numerical device display 2, Trip meter numerical device display 3, Trip meter numerical device display 4, Trip meter numerical device display 5, Trip meter numerical device display 6, Trip meter numerical device display 7, Trip meter numerical device display 8, Trip meter numerical device display 9, Trunk open, Trunk Unlock Actuator, Turn Left Signal, Turn Right Signal, Up range display, VDC Function Check Mode, VDC OFF indicator, VDC operation/failure indicator, Warning Lamp, Washer Fluid Low Indicator, Water temperature (COOL) indicator, Water temperature (HOT) warning

New Toyota/Lexus Coverage

Added coverage for 191 new system applications

272 new Adjustment type special tests:

2 Steps Fade Out Control Function, 3rd Center Seatbelt Warning Buzzer Function, 3rd Left Seatbelt Warning Buzzer Function, 3rd Right Seatbelt Warning Buzzer Function, 4th Center Seatbelt Warning Buzzer Function, 4th Left Seatbelt Warning Buzzer Function, 4th Right Seatbelt Warning Buzzer Function, A/C Auto Switch Mode, A/C Operation Limit History Counter Clear, A/T Code Reset, A/T Compensation Code Reset, Accumulator Zero Down, aCol Function, Activate The EGR Valve Close Bank 1, Activate The VN Turbo Open Bank 1, Actuator Air Bleeding Pattern, Advanced Park Parallel Parking Control Area, Advanced Park Perpendicular Parking Control Area, AFS Function, AHS Function, AHS Operation Vehicle Speed Setting (Pattern1), AHS Operation Vehicle Speed Setting (Pattern2), AHS Operation Vehicle Speed Setting (Pattern3), Air Bleed, Air Bleeding - FL Line, Air Bleeding - RR Line, Air Bleeding Pattern - RL Wheel, Air Bleeding Pattern - RR Wheel, Air Bleeding, All Readiness, Ambient Temperature Adjustment, AT Code Registration, ATF Thermal Degradation Estimate Reset, Audio Information Display Function, Auto Door Lock Pattern Setting (Speed), Auto Door

Lock, Auto Entry Cancel 2 Setting, Auto Entry Cancel Setting, Auto LightOff Timer, Auto Wiper, Automatic Door Lock Function, Automatic Door Lock Setting, Automatic Door Unlock Function when D-Door Open, Automatic Door Unlock Setting, Automatic Light Off Timing Setting, Automatic Mirror Fold Setting, Backup Battery Replacement Reset, Battery Status Info Update, Body Control with Torque Demand, Brake Line Air Bleeding, Brightness Level Adjust (Canceling), Brightness Level Adjust (Lowering), Clear Abnormal Operation History, Clearance Warning Buzzer Volume, Coming Home Light, Customize Setting Initialization, CVT Oil Pressure Calibration, Daytime Running Light Function, DCM Operation History, Door Auto Lock Timer Setting, Door Handle Lock Button, Door Key Related Close, Door Key Related Open, Door Key Related Operation, Door Lock Answerback Sound Setting, Door Lock Indicator Function, Door Lock Indicator Pattern Setting (IG OFF), Door Lock Indicator Pattern Setting (IG ON), Door Open SW Operation Adjust, Door Unlock Sensor Touch Time Adjust, Drain System Air Bleeding Pattern, Driver Seat Distance Adjust when Get Off, Driver Seat Lift Up Distance Adjust when Get Off, Driver Seatbelt Warning Buzzer Function, DRL Function, ECO Drive Indicator Zone Display Function (Meter), ECO Drive Indicator Zone Display Function, ECO Mode Control, ECU Calibration, Efficient Ventilation Mode, Electric Parking Brake System: Test Mode Procedure, Electronic Swivel Function, Entry Unlock Twice Function, EPB Initialize, EV Mode Cruising Range Reset, Evaporator Control, Extended Headlight Lighting, Exterior Lights Lighting Timer Setting, Exterior Lights ON Function, Exterior Lights ON when Approached Function, Exterior Lights ON when Door Opened Function, Exterior Lights ON when Door Unlocked Function, Fan speed increment control, Flasher Sound Volume Adjust, Forced Actuator Refresh, Forget to Turn IG OFF Alarm Function, Front Center Seatbelt Warning Buzzer Function, Front SW Auto Operation, Glass Hatch Open Function, Grille Shutter Initialization, Hazard Answer Back Function, Headlight ON in Conjunction with Wiper Function, Heavy Knock History, Height Sensor Initialization, High Voltage Fuse Accumulated Load History Reset, Ignition Available Area Setting (Back Door Type), Ignition Available Area Setting (Trunk Lid Type), Initialization, Injection Timing Value, Injection Timing, Integrated Current Value Initialization, Interior Footwell Lights Function, Interior Illumination Light 2 Function, Interior Illumination Light 3 Function, Interior Lights Lighting Timer Setting, Interior Lights ON Function, Intrusion Sensor 1 Sensitivity Level Adjust, Intrusion Sensor 2 Sensitivity Level Adjust, Intrusion Sensor Reduction in Sensitivity Setting, Intrusion Sensor Sensitivity Level (Window Open), Intrusion Sensor Sound Detection Function, Ion Generate Control, IPA Obstacle Avoidance Distance, IPA Parallel Parking Control Area, IPA Perpendicular Parking Control Area, K0 Thermal Estimate Reset, Key Left in Vehicle Alarm Function, Key Low Battery Warning Function, Kick Sensor Operation Function with ACC ON, Lane Change Flashing Times Adjust, Light Auto OFF Delay Setting, Light Blink Clearance Lights at Unlock Function, Light Control Glass Brightness Memory Function, Light Control Glass Voice Control Function, Light up Clearance Lights at Door Unlock Function, Lock Indicator Lighting Time Adjust, Lost Communication Time Initialization, Master Caution Display Function, Memory Call Function, Multi Weather Light Function, Noise and Vibration Reduction, ODO Display Time After IG OFF Adjust, Open Door Warning Function, Operation History Clear, Outside Air Mode Auto Switch Function, P/W Operation Buzzer W/ Transmit Function, Panic Function, Park Wait Time Adjust, Parking Brake Service Mode, Passenger Seatbelt Warning Buzzer Function, PCS Cooperate Function, Pilot Injection Volume Select Cylinder, Pilot Injection Volume Value, Pilot Injection Volume, PKSA (O) Auto Mute Function, PKSA (O) Forward Detection Image Display, PKSA (O) Image Display when Away from the Obstacle, PKSA (O) Judgment of Obstacle on Course, PKSA (O) Switch State Stored, PKSB (O) Function, PKSB (O) Target Stopping Distance, PKSB (P) Function, PKSB (P) Target Stopping Distance, PKSB (P) Width Adjustment (Y Axis), PKSB (V) Function, PKSB (V) Operation Timing Setting, PKSB (V) Sensitivity, PKSB Switch State Stored, Power Saving Wait Time(Out Of Entry Range), Power Steering ECU Initial Setting, Power Supply Air Bleeding Pattern 1, Power Supply Air Bleeding Pattern 2, Power Window Voice Control Function, Projection Adjustment (Distortion), Projection Adjustment

(Keystone), Projection Adjustment (Tilt), Proposal Service Frequency Adjust, Proposal Service Volume Adjust, Proposal Services Function, R Wiper Stop Function at Back Door/Trunk Lid Open, Rain Mode, Rear Center Seatbelt Warning Buzzer Function, Rear Left Seatbelt Warning Buzzer Function, Rear Right Seatbelt Warning Buzzer Function, Rear Seatbelt Warning Buzzer Function, Rear Sunshade linked with Shift Lever R Funct, Rear SW Auto Operation, Rear Wiper Washer Function, Rear Wiper with Reverse Setting, Refrigerant Pressure History Clear, Refrigerant Shortage Check, Register Transmitter ID, Remote Air Conditioner Start Setting, Remote Air Conditioner Stop Setting, Remote Door Lock Setting, Reset A/C Information, Reset Memory, Response Time Adjust, Reverse Buzzer Setting, Reverse Coupled Actuation Mirror Angle Setting, Seat Airflow Mode Setting, Seat Position Voice Control Function, Seat position/Tilt Telesco memory recall setting, Security Control with Mechanism Key Function, Sensitivity Adjust, Servomotor Initialization, Set Temperature Shift, S-FLOW Control Auto Function, Shift Lever R Signal Delay Time Adjust, Shift Linked Automatic Door Lock Function, Shift Linked Automatic Door Unlock Function, Slide Roof Open Warning Function, Slide Roof Voice Control Function, Speed Limit Display Function, Speed Linked Automatic Door Lock Function, Speed Linked Automatic Door Unlock Function, Start Indicator Function, Start Off Mode, Start Switch Light Function, Starter Exchange, Switch Battery Type, Switch Grille Shutter Control Mode, Switch Oil Maintenance Display, T1 RoomLamp BatterySave, Tail Remind Buzzer Function, Telematics Microphone Volume Adjust, Telematics Speaker Volume Adjust, Tire Circumference Setting, Torque Sensor Adjustment, Touch Activation Over Threshold, Town Mode, Traffic Sign Recognition Animation Function, Trunk Lid Linked with Door Lock Function, Trunk Lid Open Mode Function, Trunk Lid Operation by Electrical Key Function, Trunk Lid Operation by Entry Function, Tunnel Beam Function, Turn by Turn Animation Function, Ultrasonic Sensor (Front Center) Detection Range, Ultrasonic Sensor (Front Corner) Detection Range, Ultrasonic Sensor (Rear Center) Detection Range, Ultrasonic Sensor (Rear Corner) Detection Range, Ultrasonic Sensor (Side) Alarm Detection Range, Ultrasonic Sensor (Side) Alarm Function, Ultrasonic Sensor Actuation (Shift N), Unlock Key Twice Function, Usual Air Bleeding - All lines, Usual Air Bleeding - FL Line, Usual Air Bleeding - FR Line, Usual Air Bleeding - RL Line, Usual Air Bleeding - RR Line, Voice Guidance Function, Walk Away Lock after Getting Out Func (Closing), Walk Away Lock after Getting Out Function, Warning by Horn Function, Window Open Warning Function, Wiper Specification Switch, Wiper Voice Control Function, Wireless Backdoor Open Operation Adjust, Wireless Buzzer Response Function, Wireless Buzzer Volume Setting, Wireless Control Function, Wireless Glass Hatch Open Operation Adjust, Wireless Key Related Close, Wireless Key Related Open, Wireless Key Related Operation, Wireless Lock Function with Doors Open, Wireless Trunk Lid Open Operation Adjust, Wireless Unlock Twice Function, Zero Point Calibration

672 new Actuation type special tests:

2nd START Indicator, 4LO Indicator, 4WD AUTO Indicator, 4WD Indicator (Green), 4WD Indicator (Yellow), 4WD Lock Indicator, 4WD Warning Light, 4WD Warning, ABS Front Left Hold Solenoid, ABS Front Left Release Solenoid, ABS Front Right Hold Solenoid, ABS Front Right Release Solenoid, ABS Rear Left Hold Solenoid, ABS Rear Right Hold Solenoid, ABS Rear Right Release Solenoid, ABS Solenoid (SRLR), ABS Solenoid Test, ABS Solenoid, ABS Warning Light, ABS Warning, A-C Driving Demand, Accumulator Drive, ACM Inhibit, Activate S1 Solenoid, Activate S2 Solenoid, Activate S3 Solenoid, Activate S4 Solenoid, Activate SL Solenoid, Activate SL1 Solenoid, Activate SL2 Solenoid, Activate SL3 Solenoid, Activate SL4 Solenoid, Activate SL5 Solenoid, Activate SLT Solenoid, Activate SL Solenoid, Activate the Charger Cooling Fan, Activate the Circuit Relay, Activate the Coolant Water Pump, Activate the Charger Cooling Fan, Activate Route Switching Valve, Activate The Electric Water Pump, Activate the Engine Oil Pressure Control Valve, Activate the EVAP Purge VSV, Activate The Fuel Filler Opener, Activate the Fuel Pressure Discharge, Activate The Fuel Vapor-

Containment Valve, Activate The Heater Water Pump., Activate the Slip Indicator Light, Activate The Solenoid (SC1), Activate The Solenoid (SC2), Activate the Solenoid (SC3), Activate the Solenoid (SL6), Activate The Solenoid (SLC), Activate The Solenoid (SLG), Activate the Solenoid (SLS) High/Low, Activate the Solenoid (SLS) MAX/MIN, Activate The Solenoid(Sc), Activate The Solenoid(Slp), Activate the TC Terminal, Activate The Vacuum Pump, Activate The VSV For Intake Control, Activate The VSV For Swirl Control Valve, Activate The VSV For Vent Valve, Active TRC Indicator, ACTIVE TRC Warning, Advanced Parking Guidance Indicator, AFS Indicator (Malfunction) Display, AFS OFF Indicator, AHS LH High Beam, AHS RH High Beam, Air Bypass Valve Bank 2, Air Inlet Damper Control Servo Motor, Air Suspension Indicator (HI), Air Suspension Indicator (LO), Air Suspension Indicator (N), Airbag Warning, All Indicator, Alternator Voltage Control, ARS Warning Light, Ashtray Light, ASL Indicator, ASL Warning, AST Indicator, A-T Indicator Operation (2), A-T Indicator Operation (3), A-T Indicator Operation (4), A-T Indicator Operation (B), A-T Indicator Operation (D), A-T Indicator Operation (L), A-T Indicator Operation (N), A-T Indicator Operation (P), A-T Indicator Operation (R), A-T Indicator Operation (S), A-T Indicator Operation (Sport M), A-T Indicator Operation (Sport S), A-T Oil Temperature Warning, A-T P Warning, A-TRC(TRAC) Indicator Light, Auto Air Conditioner Indicator, Auto Leveling Headlamp Indicator, Auto LSD Indicator Light, Auto LSD Indicator, Auto Mode, Auto Power OFF Cancel, Automatic High Beam Indicator (Green), Automatic High Beam Indicator (Yellow), Automatic High Beam Switch Light, Auxiliary Battery Warning, AVS Comfort Indicator, AVS Sports Indicator, Back Door Sensor Power Supply, Beep, BH Operated Light, BH Standby Indicator, Blower Level, Brake Hold Indicator, Brake Override Warning, Brake Warning Light, Brake Warning, BSM Indicator, BSM OFF Indicator, BSM Warning, Buzzer Operation (1.6khz, Vol S, W-O Damping), Buzzer Operation (2.0khz, Vol S, W-O Damping), Buzzer Operation (2.4khz, Vol L, W-O Damping), Buzzer Operation (800hz, Vol L, W- Damping), Buzzer Operation (800hz, Vol L, W-O Damping), Buzzer Operation (800hz, Vol S, W- Damping), Buzzer Operation (800hz, Vol S, W-O Damping), Buzzer, Cancel Communication Function Pausing, Cargo Light, Center DIFF LOCK Indicator, Charge Indicator, Charge Warning (Red), Charge Warning, Check Engine Warning, Check Mode, Check The Cylinder Compression, Clearance Light (+ Front Side Marker Light), CNG Mode Indicator, Collision Door Lock Release, Color Test Screen (Adjustment), Color Test Screen (Black), Color Test Screen (Blue), Color Test Screen (Color Bars), Color Test Screen (Green), Color Test Screen (Red), Color Test Screen (White), Compression Test, Connect The TC And TE1, Control the ACIS VSV Motor Duty Ratio, Control The ACM Inhibit, Control The EGR Step Position Bank 1, Control The EGR Step Position, Control the Electric Thermostat Duty Ratio, Control the Engine Cooling Fan Duty Ratio, Control The ETCS Open/Close Fast Speed, Control The ETCS Open/Close Slow Speed, Control the Exhaust VVT OCV Duty Ratio Bank 1, Control the Exhaust VVT OCV Duty Ratio Bank 2, Control The Fuel Pump Duty Ratio (Brushless), Control the Fuel Pump Duty Ratio, Control The Injection Mode, Control The Injection Volume For A/F Sensor, Control the Intake VVT OCV Duty Ratio Bank 1, Control the Intake VVT OCV Duty Ratio Bank 2, Control the Motor/Generator Cooling Oil Pump, Control The Select Cylinder Fuel Cut, Control the Shift Area (CVT), Control the Target Fuel Pressure Offset, Control the Transmission Oil Pump, Control the Wastegate Valve Duty Ratio, Coolant Cool Warning Lamp, Coolant Hot Warning Lamp, Cooling Electric Expansion Valve, Cornering Light-Front Side Illuminate Light (Dim), Cornering Light-Front Side Illuminate Light, Courtesy Light, Crawl Control Light, CRAWL Indicator, CRAWL Warning, Cruise Control-PCS-LKA Buzzer, Cruise Indicator (Yellow), Cruise Indicator, D-4S (A/F Control), D-4S (Fuel Cut), D-4S (Injection Volume), DAB Indicator Light, Daytime Running Light, DCM Firmware Update, D-Door Unlock, Delivery Heater, Diesel Particulate Filter Warning, Diesel Throttle Target Angle Bank 1, Dimmer Signal, Door Illumination 1, Door Illumination 2, Door Lock Indicator, Door Lock, Door Open Warning, Door Unlock, Downhill Assist Control Indicator, Downhill Assist Control Light, Downhill Assist Control Warning, Drift From The Lane Indicator, Drift From The Lane Warning, Driver Seat Sensor Power Supply, Driver Side Seat Belt Warning, DSS Signal Buzzer, EBS Relay,

ECB Control Invalid, ECB Main Relay 2, ECB Main Relay, ECB Motor Relay, ECB Motor Relay2, ECB Solenoid (SC1), ECB Solenoid (SC2), ECB Solenoid (SCC), ECB Solenoid (SGH), ECB Solenoid (SLA) Valve Close, ECB Solenoid (SLA), ECB Solenoid (SLAFL) Valve Close, ECB Solenoid (SLAFL) Valve Open, ECB Solenoid (SLAFL), ECB Solenoid (SLAFL2), ECB Solenoid (SLAFR) Valve Close, ECB Solenoid (SLAFR) Valve Open, ECB Solenoid (SLAFR), ECB Solenoid (SLAFR2), ECB Solenoid (SLARL) Valve Close, ECB Solenoid (SLARL) Valve Open, ECB Solenoid (SLARL), ECB Solenoid (SLARL2), ECB Solenoid (SLARR) Valve Close, ECB Solenoid (SLARR) Valve Open, ECB Solenoid (SLARR), ECB Solenoid (SLARR2), ECB Solenoid (SLR) Valve Close, ECB Solenoid (SLR), ECB Solenoid (SLRFL) Valve Close, ECB Solenoid (SLRFL) Valve Open, ECB Solenoid (SLRFL), ECB Solenoid (SLRFL2), ECB Solenoid (SLRFR) Valve Close, ECB Solenoid (SLRFR) Valve Open, ECB Solenoid (SLRFR), ECB Solenoid (SLRFR2), ECB Solenoid (SLRRL) Valve Close, ECB Solenoid (SLRRL) Valve Open, ECB Solenoid (SLRRL), ECB Solenoid (SLRRL2), ECB Solenoid (SLRRR) Valve Close, ECB Solenoid (SLRRR) Valve Open, ECB Solenoid (SLRRR), ECB Solenoid (SLRRR2), ECB Solenoid (SMC), ECB Solenoid (SMC/SRC/SCC), ECB Solenoid (SMC1), ECB Solenoid (SMC2), ECB Solenoid (SRC), ECB Solenoid (SSA), ECB Solenoid (SSC), ECB Solenoid, ECB Utility, ECB Warning Indicator, ECB Warning, ECO Mode Indicator, ECONO Indicator, ECT PWR Indicator, ECT SNOW Indicator, Electrical Fan, Electromagnetic Oil Pump, Emergency Call Cancellation, Emergency Exit Warning, EPB Auto OFF Indicator, EPB Control Switch, EPS Warning, EV Drive Indicator, EV Mode Indicator, EXO, Extended Illumination 1, Extended Illumination 2, Flash Handle Fold, Flash Handle Return, Fold/Unfold Mirrors, Foot Light, Fr Control Rear Air Outlet Damper Servo Motor, Front Air Mix Damper Control Servo Motor, Front Air Outlet Damper Control Servo Motor, Front Buzzer, Front Deicer Relay, Front Evaporator Magnetic Valve, Front Fog Lamp Indicator, Front Fog Light, Front Footwell Lights, Front Left Air Mix Damper Control Servo Motor, Front Left Air Outlet Damper Control Servo Motor, Front Left Seat Blower, Front Left Seat Heater, Front Right Air Mix Damper Control Servo Motor, Front Right Air Outlet Damper Control Servo Motor, Front Sliding Sunshade, Front Washer Relay, Front Wiper Hi Operation, Front Wiper Lo Operation, Fuel Cap Reminder Warning, Fuel Filter Warning, Fuel Gauge Indicator, Fuel Gauge Operation (1-2), Fuel Gauge Operation (1-4), Fuel Gauge Operation (3-4), Fuel Gauge Operation (Empty), Fuel Gauge Operation (Full), Fuel Gauge Operation (Sender E), Fuel Gauge Operation (Sender F), Fuel Gauge Operation (Warning), Fuel Gauge Operation For CNG (1-2), Fuel Gauge Operation For CNG (1-4), Fuel Gauge Operation For CNG (3-4), Fuel Gauge Operation For CNG (Empty), Fuel Gauge Operation For CNG (Full), Fuel Gauge Operation For CNG (Sender E), Fuel Gauge Operation For CNG (Sender F), Fuel Gauge Operation For CNG (Warning), Fuel Lid Lock Relay, Fuel Pump - Duty Cycle, Fuel Pump Single Phase Energization, Fuel Warning (CNG), Glass Hatch Open, GLOW Warning, Go To Service Warning, Green Indicator, H/B Motor Relay, Head Up Display Indicator, Headlamp Indicator, Headlight Leveling Indicator Display, Headlight Leveling Initialize Incomplete Display, Headlight Relay-Light Power Supply Relay, Headlight System Malfunction Display, Heater Valve, Heating Electric Expansion Valve, Height High Indicator, Height High Warning, High Beam Headlight, High Beam Indicator, High Pressure Magnetic Valve, Hold Indicator, HV System Indicator (0%), HV System Indicator (100%), HV System Indicator (200%), HV System Indicator (300%), HV System Indicator (400%), HV System Indicator (-50%), HV System Indicator (MAX), HV System Indicator (MIN), HV Unit Hot Warning, HV-EV System Indicator (0%), HV-EV System Indicator (100%), HV-EV System Indicator (200%), HV-EV System Indicator (300%), HV-EV System Indicator (400%), HV-EV System Indicator (-50%), HV-EV System Indicator (MAX), HV-EV System Indicator (MIN), Hybrid Battery Charge, Hybrid Battery Heater Relay, Hybrid System Warning, Hydrogen Leak Warning, ICS OFF Warning, IG OFF P-W Control Permission Output, Illuminated Entry System, Immobilizer Indicator, iMT Indicator (Green), iMT Indicator (Yellow), Indicat. Lamp VSC OFF, Injection Timing Select Cylinder, Injection Volume, Injector Compensation, Inside Handle Light, Inside Luggage Tuner Power Supply, Inspection

Mode, Intercooler Water Pump Relay, Interior Illumination Light, INTUITIVE P-A LCD Indicator, INTUITIVE P-A LCD OFF Indicator, Ion Generator, KDSS Warning, Key Cylinder Illumination, LDA Indicator (White), LDA Indicator, LDA Steering Control Indicator, LDA Warning, LED Headlamp Warning, Left LDA Indicator, Left LDA Warning, Left Turn Signal Indicator, Light Control Glass Relay, Light Control Switch (DOWN), Light Control Switch (Single), Light Control Switch (UP), Limited Power Indicator, Lithium Battery Check Indicator, Lithium Battery Hot Indicator, Load Specification Information, Low Beam, Low Pressure Magnetic Valve, LPG Indicator, Luggage Mode Indicator (Yellow), Luggage Mode Indicator, Maintenance Warning, Master Warning, Meter Day Mode Switch, Meter Display (0), Meter Display (1), Meter Display (2), Meter Display (3), Meter Display (4), Meter Display (5), Meter Display (6), Meter Display (7), Meter Display (8), Meter Display (9), Meter Display (All), Mirror Fold Signal, Mirror Heater, Mirror Left/Right, Mirror Return Signal, Mirror Up/Down, MMT E Mode Warning, Motor Relay Control, Motor Relay, Multi Display All (White), Multi Display Default Screen, Multi Display Select Switch, Multi Switch (Back), Multi Switch (Down), Multi Switch (Enter), Multi Switch (Left), Multi Switch (Right), Multi Switch (Top), Multi Switch (Up), Navi CVT Indicator, Night View Indicator, O-D OFF Indicator, ODO-TRIP Change Switch, OFF Road Guidance Indicator, OFF Road Guidance Warning, Oil Level Warning, Oil Pressure Meter Operation (1-2), Oil Pressure Meter Operation (1-4), Oil Pressure Meter Operation (3-4), Oil Pressure Meter Operation (HIGH), Oil Pressure Meter Operation (LOW), Oil Pressure Warning, Oil Pump, Outer Mirror Reverse Light, Outside Mirror Footwell Lights, Over Speed Indicator, Overhead Tuner Power Supply, P Range Indicator, Panel Light, Park Warning, Passenger Seat Operation Switch Indicator, Passenger Seat Sensor Power Supply, Passenger Side Seat Belt Warning, PCS OFF Warning, PCS Warning, Pedestrian Protection Warning, Pinion Gear Plunger (Hood Close), PKB Full Release Control, PKB Light, PKB Lock Control, PKB Release Control, Power Window SW LED, PPS Solenoid, PPS Warning, Pre Crash Brake OFF Light, Pre-Charge Pump, Prohibit the Catalyst OT Misfire Prevent Fuel Cut, Prohibit the Idle Fuel Cut, PTC Heater, Pump Check Pattern, Radar Cruise Indicator (Yellow), Radar Cruise Indicator, RCD OFF Indicator, RCTA Indicator, RCTA OFF Indicator, Ready Indicator, Rear Air Mix Damper Control Servo Motor, Rear Blower Level, Rear Buzzer, Rear Defogger Relay, Rear DIFF LOCK Indicator, Rear Driver Side Sensor Power Supply, Rear Fog Lamp Indicator, Rear Fog Light, Rear Inner Wheel Control Indicator, Rear Inner Wheel Control Warning, Rear Inverter Cooling Fan, Rear Left Seat Heater, Rear Light Indicator, Rear Passenger Side Sensor Power Supply, Rear Right Air Mix Damper Control Servo Motor, Rear Right Seat Heater, Rear Seat Belt Warning, Rear Washer Relay, Rear Welcome Light, Rear Wiper Operation, Red Indicator, Reductant Discharge, Reductant Filling (Pressure Keep), Reductant Injection Valve, Reductant Pipe Heater, Reductant Pump Check (Backward), Reductant Purge, Reductant Tank Heater, Reductant Warning, Refrigerant Gas Volume Check, Relay for Interior Light Auto Cut Function, Reverse Signal, Ride Mode Indicator, Right Front Seat Heater, Right LDA Indicator, Right LDA Warning, Right Turn Signal Indicator, Security Horn, Security Indicator, Self Power Siren, SET Indicator, Shift-By-Wire Warning, Signal Check, SIL Indicator (Down), SIL Indicator (Up), Slide Roof, Slip Indicator Light, Slip Warning, Smart System Indicator, Smart System Warning, SOC Gauge (1-2), SOC Gauge (1-4), SOC Gauge (3-4), SOC Gauge (MAX), SOC Gauge (MIN), SOC Warning, Solenoid Relay, Sound, Speed Signal Input (0), Speed Signal Input (120), Speed Signal Input (160), Speed Signal Input (200), Speed Signal Input (240), Speed Signal Input (280), Speed Signal Input (320), Speed Signal Input (360), Speed Signal Input (40), Speed Signal Input (400), Speed Signal Input (80), Speedometer Operation (0km-H,0mph), Speedometer Operation (120km-H,120mph), Speedometer Operation (160km-H,160mph), Speedometer Operation (200km-H,200mph), Speedometer Operation (240km-H,240mph), Speedometer Operation (280km-H,280mph), Speedometer Operation (320km-H,320mph), Speedometer Operation (360km-H,360mph), Speedometer Operation (400km-H,400mph), Speedometer Operation (40km-H,40mph), Speedometer Operation (80km-H,80mph), Sport Indicator (CVT Sport), Start SW Light Power

Supply, Starter (Hood Close), Starter Motor Drive Magnet Switch (Hood Close), Steering Heater Indicator (Yellow), Steering Heater, Stop Start Buzzer, Stop Start Permit Cond (A/C), Stop Start Permit Cond (ABS), Stop Start Permit Cond (Battery), Stop Start Permit Cond (Engine), Stop Start Precondition2 (Control), Stop And Start OFF Indicator, Stop And Start ON Indicator, Stop Lamp Relay, Stop Light Relay, Stop light System Indicator Light, Stroke Simulator Cut Valve Pattern, Sub Fuel Gauge Operation (1-2), Sub Fuel Gauge Operation (1-4), Sub Fuel Gauge Operation (3-4), Sub Fuel Gauge Operation (Empty), Sub Fuel Gauge Operation (Full), Sub Fuel Gauge Operation (Sender E), Sub Fuel Gauge Operation (Sender F), Tachometer Operation (Orpm), Tachometer Operation (10000rpm), Tachometer Operation (2000rpm), Tachometer Operation (3000rpm), Tachometer Operation (4000rpm), Tachometer Operation (5000rpm), Tachometer Operation (6000rpm), Tachometer Operation (7000rpm), Tachometer Operation (8000rpm), Tachometer Operation (9000rpm), Tailgate Open, Taillamp Indicator, Taillight-Clearance Light, Temporary Vehicle Start Up, Test The Turbo Charger Step Motor Bank 1, Timer Switch (00), Timer Switch (H), Timer Switch (M), Timer Switch (Single), Timing Belt Warning, Tire Pressure Indicator, Tire Pressure Warning System Indicator, Tow Haul Indicator, TPMS Warning Light, Trac Motor Relay, TRAC Solenoid (SPFL), TRAC Solenoid (SPFR), TRAC Solenoid (SRCF), TRAC Solenoid (SRCR), TRAC Solenoid (SRMF), TRAC Solenoid (SRMR), Trailer Reverse Assistant Light, TRC OFF Indicator Light, Trip Reset Switch, Vehicle Approach Warning OFF Indicator, Vehicle Horn, Vehicle Proximity Notification System Warning, Vehicle Stop Warning, VGRS Warning, Volt Meter Operation (0V), Volt Meter Operation (12V), Volt Meter Operation (15V), Volt Meter Operation (18V), Volt Meter Operation (3V), Volt Meter Operation (6V), Volt Meter Operation (9V), VSC OFF Indicator Light, VSC OFF Indicator, VSC Solenoid, VSC TRC Indicator, VSC Warning Light, VSC/TRAC Off Indicator Light, VSC/TRAC Solenoid, VSC/TRC Solenoid (SMF), VSC/TRC Solenoid (SMR), VSC/TRC Solenoid (SPFL), VSC/TRC Solenoid (SPFR), VSC/TRC Solenoid (SRCF), VSC/TRC Solenoid (SRCR), VSC/TRC Solenoid (SRMF), VSC/TRC Solenoid (SRMR), VSC-TRAC Solenoid (SMF), VSC-TRAC Solenoid (SMR), Washer Nozzle Heater, Washer Warning, Water Level Warning, Water Pump, Water Temperature Meter Operation (110C,230F), Water Temperature Meter Operation (120C,248F), Water Temperature Meter Operation (127C,260F), Water Temperature Meter Operation (50C,122F), Water Temperature Meter Operation (60C,140F), Water Temperature Meter Operation (70C,158F), Water Temperature Meter Operation (80C,176F), Water Temperature Meter Operation (Middle), Wiper Power Relay, Wireless Buzzer

New Coverage Details – USA European

New Jaguar Coverage

Added coverage for 33 new system applications

308 new special tests:

A/C compressor: Reset compression protection counter, AdBlue metering module: Resetting, AdBlue tank: Check tank level, Ambient air temperature sensor: Resetting, Audio amplifier, Headset: Connection test, Battery (high-voltage): Adapt the component <Battery cell monitoring module>, Battery (high-voltage): Reset after isolation fault, Compressor control flap, DC/DC converter: Resetting, Deactivate parking brake for pad replacement, Diesel particulate filter: Resetting, DS door control unit: Test, Evaporative emission shutoff valve, Extend door handle, Head restraint adjustment: Down, Headlamp setting, HV battery charge, Infotainment control unit: System self-test, Infotainment gateway: System self-test, Injector encoding, Intake camshaft advance, bank 1, Interior central locking button LED, Lumbar support adjustment, Mirror fold-out

function, Oil pressure indicator lamp, Radiator fan test, Reading-out inflation pressure sensor code, Rear fog lamp indicator lamp, Rear left damper solenoid valve 1, Rear rght.damp.adj.val.curr. Hard, Rear right damper solenoid valve, Rear-lid system self-test, Running board: Test, Seat cushion adjustment, forwards, Seat cushion down, Side turn signal indicators, Supplementary heater: Test, Suspension level calibration, Telematics system backup battery test, Traction control control unit: Restart, Traction control control unit: System self-test, Transfer case clutch: Test, Tyre pressure sensor adaptation, Window lifter OPEN relay, Access/start authorization control unit: System self-test, Airbag system: System self-test, Battery (high-voltage): Coolant circuit filling, Electric drive control (Rotor position sensor): Read calibration offset angle, Loudspeaker: Test, Passenger door window lifter adaptation, Selector lever module: System self-test, SOS button: Illumination test, Upper control panel: System self-test, Write A/C control unit configuration, Activate electric fuel pump, Activate parking brake after pad replacement, Audio amplifier: Test, active passenger compartment noise suppression, Audio/telematics system reset, Battery (highvoltage): Reading out the current capacity, SOH (State of Health), Bleed fuel system, DC/DC converter: Deactivate/activate, DC/DC converter: System self-test, Driver door window lifter adaptation, Driver side front belt tensioner: System self-test, EGR control unit low pressure: Adapting, Electric drive control: System self-test, Engine control unit: Reset measurement quantity <Vehicle distance> with component <Fuel water content lamp> switched on, Enter a new valve code manually, Evaporative-emission regen. valve test, Exterior mirror puddle lamp, Fan for passenger-compartment
temperature sensor, Head-up display: System self-test, High-voltage batt. management contr.unit: System self-test, Injectors: Test, Internal combustion engine: Coolant circuit filling, Passenger side rear-door control unit: Test, Rear lid control unit: Test, Rear lid: Adapting non-contact operation, Reset transmission adaption values, Seat cushion adjustment, back, Sun blind Down, Suspension geometry setting, Telematics network registration status, Throttle valve adaptation, Trailer coupling: Service mode activation, Air-conditioning test, Audio amplifier: System self-test, Cooling system: Deactivate/activate, Headlamp: System self-test, Lowvoltage system: Current cut-off, Passenger side door control unit: Test, Trailer coupling: Test, Video module: Connection test, AdBlue quality sensor: Resetting, AdBlue tank level sensor: Adapting, Air distribution flap control motor: Adapting, Airbag indicator lamp, A/C compressor adaptation, A/C compressor: Activate, ABS warning lamp, Adaptive suspension system factory setting, Autom. transm. adaptation values reset, Automatic transmission oil level check, Battery replacement, Cooling blower: Actuation, Deactivate air suspension, Diesel particulate filter test, Engine glow plugs: Resetting, Front and rear control motor basic settings, Front fog headlight, Front right damper solenoid valve, Head-up display: Resetting, Instrument cluster: Resetting the fault message for low effectiveness of the system <SCR system>, Mirror heating, Passenger side seat control unit: Test, Quiescent current control module calibration, Rear right damper solenoid valve 1, Relay for compressor clutch, Reset PIN code, Running gear control unit: System self-test, Turbocharger high pressure: Adapting, Activ./deactiv. ch.-air cooler circul. pump, AdBlue circuit: Flushing process, Adjustm. of DS mirror sel. switch, Air flap range/tolerance limits, Air-conditioning system: Activate seat climate control, Auxiliary battery (12V): Resetting, Compressor supercharging: Test, Door control power distribution, Door control power distribution 2, Driver seat adaptation, Electric drive control: Adapting, Engine: Reset (engine start inhibit due to lack of operating fluid <Urea solution (AdBlue)>), ESP interchange test, Exterior door handle illumination, Fr.left damper adj.val.curr. Hard, Front left damper solenoid valve, Front right damper solenoid valve 1, Gasoline particulate filter: Resetting, Interval display service: Resetting, Left turn signal indicator lamp, Mixture correction: Read out values, Parking-brake warning lamp, Passenger seat adaptation, Rear inverter: System self-test, Rear left damp.adj.val.curr. Hard, Rear passenger side window lifter motor: Adapting, Retract door handle, Seat memory indicator lamp, Side marker lamp warning, Temperature warning light, Transfer case calibration, Transfer case oil pump: Bleeding, Turbocharger low pressure: Adapting, A/C control unit system self-test, Cooling circuit control

valve: Test, Infotainment/multimedia display: Inclination angle test, Test generator, Trailer control unit: System self-test, Tyre pressure monitoring system self-test, AdBlue delivery pump: Adapting, AdBlue system: Bleeding, AdBlue tank level reset, Air-conditioning system: Adapting seat climate control, Auxiliary/supplementary heating: Metered quantity measurement (fuel), Backrest side bolster air venting, Battery (high-voltage): Restart, Cooling circuit control valve: Adapting, Driver side rear-door control unit: Test, EGR control unit high pressure: Adapting, Engine control unit: Reset adaptation values, Engine management system self-test, Fuel pump adaptation, Inductive charging station control unit: System self-test, Lumbar support air pump, Network: Hard reset, Quantity control valve reset, Rear left damper solenoid valve, Reset throttle valve adaptation values, Resetting electric fuel pump, Seat fore-and-aft adjtm. To front, System self-test, Telematics control unit: Read SIM card type, Tyre pressure sensor adaption, HV battery cell evaluation, HV battery charging module: System self-test, Infotainment/multimedia display: Test, Instrument cluster system self-test, Tyre pressure sensor test, Activate air suspension, Blind spot detect.switch illumin., Blind spot warning lamp, Access system/immob. antenna test, Air mass meter reset, Auxiliary/supplementary heating: Fill and bleed the component <Fuel supply pipe>, Battery (highvoltage): Battery temperature test, Battery (high-voltage): Battery voltage test, Battery adaptation, Blower motor: Rotational speed, Blower relay, Commissioning electric parking brake, Conversion mirror sel.switch PASS, Driver side seat control unit: System self-test, Electric parking brake: Actuator test, Exhaust camshaft advance, bank 2, Exhaust gas differential pressure sensor: Resetting, Fan functional test, Front left damper solenoid valve 1, HV battery charging module: Enabling of locked functions, Infotainment/multimedia control unit: Restart, Passenger side front belt tensioner: System self-test, Rear driver side window lifter motor: Adapting, Reset compressor parameters, Right turn signal indicator lamp, Running gear control unit: Enabling dynamic suspension system, Seat fore-and-aft adjust. To rear, Telematics control unit: Read operating mode, Transfer case control unit: System self-test, Transfer case pump vent, Battery (highvoltage): Battery state test (State of Health), Battery (high-voltage): Diagnosing state, Electric drive motor dog clutch: Test, Battery (48V): Charge level, Cooling system: Filling and bleeding, Diesel particulate filter regeneration: Dynamic, ESP actuation system test, ESP sensor ring test, Highpressure pump adaptation, Infotainment control unit: Testing component < Control unit box fan motor>, Mixture adaption, Mixture correction reset, No-load current control unit: Adapting, Side marker light warning lamp, Telematics control unit: Read network registration status, Transfer case type encoding, AdBlue delivery pump: System filling after replacement, Backrest adjustment to rear, Backrest side bolster air supply, Battery management control unit (48V): System self-test, Battery system test, Cooling circuit control valve, DS window-lifter motor: Close, Fr.rght.damper adj.val.curr. Hard, Front left seat heating, Glow control: Test, Offroad mode: Resetting operating conditions, Parking aid control unit: System self-test, Read configuration, Read injector code, Rear lid basic setting, Reset adaptation parameters, Sun blind Up, Telematics control unit: Testing component < Emergency battery (low voltage)>, Telematics SIM card type, Traction control lamp, Transmission control: Read adaptation values, Electric drive control: Coolant circuit filling, Front inverter: System self-test, Gateway: System self-test, Interior coolant circuit: Activate, 2nd row PS seat control unit: System self-test, ABS/ESP system: Static test, Air conditioner control motors: Adapt positions to the system <Air-conditioning system>, 2nd row DS seat control unit: System self-test, Audio amplifier: Test, Automatic transmission control unit: System self-test, Backrest adjustment to front, Close door actuator stop, Control unit configuration, DS window-lifter motor: Opening, Engine control unit: Misfiring, read out values, Exhaust gas turbocharger bypass valve: Adapting, Front right seat heating, Gasoline particulate filter regeneration: Dynamic, Lighting element test, Open door actuator stop, Parking aid control unit: Resetting, Rear heating/air cond. operating element: System self-test, Rear-axle diff. lock system self-test, Running board: System self-test, Running gear control unit: Set suspension height, Starter generator: System self-test, Trailer coupling: Service mode deactivation, Transfer case control unit: Reset adaptation values,

Transmission oil change interval reset, Window lifter CLOSE relay, Window lifter standard initialization, Coolant 3-way solenoid valve, Battery (high-voltage): Test, Rear lid adaptation, Airconditioning system control unit reset, Electric fuel pump: Duty cycle, Engine management adaptation values reset, Gasoline particulate filter regeneration: Static, Head restraint adjustment: Up, Head-up display: Test, Mirror fold-in function, Oxidation catalytic converter: Resetting, Reversible belt tensioners: Actuation, Running gear control unit: Resetting adaptation values of the system <Adaptive damping system>, Seat adjustment/seat height down, Seat adjustment/seat height up, Seat cushion up, Telematics control unit: System self-test, Throttle valve control unit, Variable valve lift control: Resetting, High-voltage refrigerant compressor: Adapting, Parking lock: Test, Refrigerant circuit: Service mode activation/deactivation

New Land Rover Coverage

Added coverage for 199 new system applications

423 new special tests:

A/C compressor: Activate, Audio/telematics system reset, Boost pressure sensor: Resetting, DC/DC converter: Resetting, Diesel particulate filter: Resetting, Driver door window lifter adaptation, Driver seat adaptation, DS door control unit: Test, Electric drive control: Adapting, Engine control unit: Reset measurement quantity < Vehicle distance > with component < Fuel water content lamp> switched on, HV battery charging module: Enabling of locked functions, Infotainment control unit: System self-test, Injector encoding, Interval display service: Resetting, Oxidation catalytic converter: Resetting, Radiator fan test, Running board: Test, Trailer coupling: Test, A/C control unit system self-test, AdBlue quality sensor: Resetting, Audio amplifier: System self-test, Cooling circuit control valve: Adapting, Engine control unit: Misfiring, read out values, Engine glow plug: Control lamp/pictogram, Engine mounting control, Instrument cluster: Resetting the fault message for low effectiveness of the system <SCR system>, Level control: Automatic lowering activation, Passenger side rear-door control unit: Test, Quantity control valve reset, Rear heating/air cond. operating element: System self-test, Running gear control unit: Build up system pressure of the system <Air suspension>, Traction control control unit: Restart, Transfer case control unit: System self-test, AdBlue delivery pump: Adapting, Battery (high-voltage): Reset after isolation fault, Battery adaptation, Compressor supercharging: Test, Engine oil pump, bypass sol.valve, No-load current control unit: Adapting, Offroad mode: Resetting operating conditions, Rear-axle diff. lock system self-test, Running gear control unit: Dissipate system pressure of the system <Air suspension>, Running gear control unit: Locking the system <Level control>, Ambient light: Automatic addressing, Autom. transm. adaptation values reset, Automatic transmission oil level check, Infotainment/multimedia display: Inclination angle test, Traction control control unit: System self-test, Tyre pressure monitoring system self-test, Access/start authorization control unit: System self-test, Battery (high-voltage): Battery temperature test, Battery (high-voltage): Reading out the current capacity, SOH (State of Health), DC/DC converter: Deactivate/activate, Engine: Reset (engine start inhibit due to lack of operating fluid <Urea solution (AdBlue)>), Gasoline particulate filter: Resetting, Running gear control unit: Set air suspension mode, SCR system control relay, Telematics control unit: System self-test, Turbocharger low pressure: Adapting, Front inverter: System self-test, High-pressure pump adaptation, Infotainment gateway: System self-test, Infotainment/multimedia display: Test, Power electronics (hybrid system): system self-test, Running gear control unit: System self-test, Turbocharger high pressure: Adapting, Wastegate solenoid: Resetting, AdBlue metering module: Resetting, Air distribution flap control motor: Adapting, AdBlue delivery pump: System filling after replacement, AdBlue system: Bleeding, Audio amplifier: Test, active passenger compartment noise suppression, Battery (high-voltage): Resetting after replacing the HV contacts, EGR control unit low pressure: Adapting, High-voltage batt. management contr.unit: System self-test, Injectors: Test, Telematics control unit: Testing component < Emergency battery (low voltage)>, Trailer coupling: Service mode activation, Access system/immob. antenna test, Airbag system: System self-test, Air-conditioning system: Activate seat climate control, Cooling blower: Actuation, Engine management adaptation values reset, Exhaust gas differential pressure sensor: Resetting, Exhaust gas recirc. solenoid valve adaptation, Gateway: System selftest, Head-up display: Test, HV battery charging module: System self-test, Running gear control unit: Resetting adaptation values of the system <Adaptive damping system>, Selector lever module: System self-test, SOS button: Illumination test, Activ./deactiv. ch.-air cooler circul. pump, AdBlue tank: Check tank level, Battery (high-voltage): Coolant circuit filling, Cooling system: Filling and bleeding, DC/DC converter: System self-test, EGR solenoid valve (B1), Exhaust gas turbocharger bypass valve: Adapting, Gasoline particulate filter regeneration: Dynamic, Headlamp: System self-test, Rear passenger side window lifter motor: Adapting, Throttle valve adaptation, Diesel particulate filter regeneration: Dynamic, Drive train control module: System self-test, Driver side rear-door control unit: Test, Engine control unit: Reset adaptation values, Engine management system self-test, Evaporative-emission regen. valve test, Internal combustion engine: Coolant circuit filling, Rear driver side window lifter motor: Adapting, Resetting electric fuel pump, Running board: System self-test, Telematics control unit: Read operating mode, Battery management control unit (48V): System self-test, Gasoline particulate filter regeneration: Static, Head-up display: System self-test, Instrument cluster system self-test, Lambda sensor reset, Loudspeaker: Test, MIL Lamp, Passenger door window lifter adaptation, Swirl flap: Adapting, Test generator, Tyre pressure sensor test, Upper control panel: System self-test, Air-conditioning system: Adapting seat climate control, Automatic transmission control unit: System self-test, EGR control unit high pressure: Adapting, Mixture correction: Read out values, Running gear control unit: Set suspension height, Trailer control unit: System self-test, Trailer coupling: Service mode deactivation, Variable valve lift control: Resetting, Video module: Connection test, AdBlue tank level sensor: Adapting, Headlamp setting, Mixture correction reset, Passenger side door control unit: Test, Reading-out inflation pressure sensor code, Tyre pressure sensor adaptation, A/C compressor adaptation, Bleed fuel system, Engine glow plugs: Resetting, Air mass meter reset, Driver side seat control unit: System self-test, AdBlue tank level reset, Ambient air temperature sensor: Resetting, Glow control: Test, Read injector code, A/C compressor: Resetting, Battery (high-voltage): Battery voltage test, Inductive charging station control unit: System self-test, Passenger side seat control unit: Test, AHRC/xenon light calibration, ASR warning lamp, ASR/ESP OFF indicator lamp, Automatic start/stop button control lamp, Belt warning lamp, Camshaft timing control (B1), inlet, Close door actuator stop, Diesel particulate filter regeneration run, Display test, Display tilt adjustment test, Electric parking brake initialization, EVAP vent valve, Exhaust camshaft timing, Exterior mirror puddle lamp, Front right air spring valve, Lift LED, Main beam assistant, Mirror foldout function, Rear lid bottom part: Unlock, AdBlue circuit: Flushing process, All Warning Lamp, Blind spot warning lamp, Enter a new valve code manually, Glow plug relay, Headphones self-test, Learn VIN, Lighting intensity LED, Lumbar support drain actuator, Memory position 1, Oil pressure indicator lamp, Park Distance Control switch LED, Rear fog lamp indicator lamp, Reset compressor parameters, Rear lid adaptation, Rear-lid system self-test, Air suspension compressor motor relay, Alarm system LED, ABS warning lamp, All-wheel drive system: Test, Auxil./supplementary heating functional test, Backrest adjustment motor To rear, Backrest switch: Down, Blind Spot Control lamp on, Brake pad wear indicator Red, Creep mode LED, Cruise control indicator lamp, Diesel particulate filter test, AdBlue tank level sensor calibration, Amber tyre press.monit. warn.lamp, Apply parking brake, Backrest adjustment to front, Battery replacement, Camshaft timing control (B1), outlet, Charge warning lamp, Control unit configuration, Rear lid: Adapting non-contact operation, Access mode level LED, Air flap range/tolerance limits, All-wheel drive magnetic clutch: Reset adaptation values, Backrest side bolster air venting, Backrest switch: Up, Brake pad wear indicator Orange, Button test, Control unit calibration, Distance sensors, 2nd row PS seat control unit: System self-test, Rear lid bottom part: System self-test, Activate injection

valve, 2nd row DS seat control unit: System self-test, Adaption function for throttle valve, Adaption/reset, AdBlue pump initialisation, Control unit communication test, Door control power distribution 2, Operating mode indicator lamp 2, Operating mode indicator lamp 4, Parking brake indicator lamp, Reset AdBlue system data, Reset after diesel partic. filter replacement, Reset swirl flap control adaptation values, Resetting of service-interval display, Seat memory button SET, Telematics network registration status, Seat adjustment/seat angle up, Seat cushion adjustment, forwards, Seat ext. adj. backward, Seat fore-and-aft adjust. To rear, Seat longitud.adj.button To front, Seat memory position 2, Seat memory position 3, Telematics system backup battery test, Throttle valve control motor, Transmission control: Component test, Write injector codes, Active stabiliser control unit VA: System self-test, Rear axle steering: Test, Front left damper solenoid valve: Actuation, Autom. dipped beam indicator lamp, Backrest adjustment to rear, Backrest side bolster air supply, Calibration front passenger seat, Coolant temperature warning lamp, Driver profile control: System self-test, Electric fuel pump, Gong tone 2, HDC info lamp, Head restraint adjustment: Up, Learn seat position, Left main beam, Lumbar support engine 2: downw., Memory position 3, Mirror heating, Pressure accumulator valve, Read AdBlue tank level values, Red warning lamp, Refrigerant compressor run-in, Reserve fuel indicator lamp, Reset adaptation parameters, Reset air mass meter adaptation values, Reset EGR adaptation values, Reset Lambda sensor adaptation values, Reset mileage with fuel water cont. lamp ON, Reset turbocharger adaption values, Right main beam, Seat adjustment/seat angle down, Seat cushion down, Seat mem.sw. seat cushion to fr., Side turn signal indicators, Starter generator: System selftest, Telematics SIM card type, Transmission position P adaptation, Drive train control unit: System self-test, Electric parking brake assembly test, Extend door handle, Head restraint adjustment: Down, Headlight basic setting, Headlight range control indicat.lamp, Interior central locking button LED, Left dipped beam, Lumbar support engine 1: downw., Lumbar support engine 2: upwards, Orange warning lamp, Oxidation catalytic converter adaption, Parking brake service mode, Rear left air spring valve, Rear lid basic setting, Reset throttle valve adaptation values, Seat memory position 1, Standard mode level LED, Sun blind Up, Teach retract towbar, Turbocharger/supercharger wastegate sol.val.A, Window lifter OPEN relay, Window lifter standard initialization, Electric power steering: Activate customer mode, Four-wheel drive bleed pump, Operating mode indicator lamp 1, Operating mode indicator lamp 3, Quiescent current control module calibration, Radiator fan, Rear right air spring valve, Reset AdBlue metering module adaptation, Reset lubrication service, Reset PIN code, Right dipped beam, Running gear control unit: Adapt components <Level sensors>, Seat adjustment/backrest back, Seat climate control activation, Seat cush. adj. button: To front, Seat cushion adjustment, back, Seat ext. adj. forward, Seat height adjustment: Up, Seat height switch Up, Seat longitud.adj. button To rear, Seat memory button LED, Seat side bolster deflate switch, Sun blind Down, Tiptronic switch, Trailer coupling service mode activation, Trailer indicator lamp, Window lifter CLOSE relay, Active stabiliser control unit HA: System self-test, Door control power distribution, Exterior door handle illumination, Front fog headlight, Front right damper solenoid valve: Actuation, Fuel adaption, Glow plug test, Glow plug warning lamp, Indicator illumination test, Left turn signal indicator lamp, Lumbar support engine 1: upwards, Lumbar support fill actuator, Memory position 2, Parking aid control unit: System self-test, Read configuration, Rear left damper solenoid valve: Actuation, Rear right damper solenoid valve: Actuation, Release parking brake, Right turn signal indicator lamp, Seat height switch Down, Seat memory indicator lamp, Tank leak unit solenoid valve, Transportation mode, Tyre pressure sensor adaption, Rear axle steering control unit: System self-test, Airbag indicator lamp, Auxil./supplementary heater fuel pre-supply, Brake pressure sensor zero pos. compensation, Deactivate service mode, DPF differential press. sensor initialization, Fan functional test, Gong tone 1, Inlet camshaft timing, Lower LED, Lower lumbar support, Lumbar support air pump, Network: Hard reset, Off-road mode level LED, Outlet valve, Read injector codes, Reset EGR low-pressure valve adaption values, Reset start inhibit due to lack of AdBlue, Seat adjt./foreand-aft forwards, Seat adjustment/seat height down, Seat adjustment/seat height up, Seat angle adjustment, down, Seat angle adjustment, up, Seat cushion adj. button: To rear, Seat cushion up, Seat fore-and-aft adjtm. To front, Seat side bolster inflate switch, Steering angle initialization, System self-test, Trailer coupling service mode deactivation, Reversible belt tensioners: Actuation, Electric fuel pump control basic setting, Engine oil service life reset, Enter sensor code manually, Front and rear control motor basic settings, Front left air spring valve, Main beam warning lamp, Mirror fold-in function, Park distance control gong, Parking aid: Rear distance sensors, Reset control unit, Retract door handle, Seat adjustment/backrest forwards, Seat adjustment/fore-and-aft back, Seat angle adjustment button Down, Seat angle adjustment button Up, Seat height adjustment: Down, Side marker light warning lamp, Speed warning lamp, Suppress mirror glare, Driver side front belt tensioner: System self-test, Roll Movement Intervention (RMI): System selftest, ESP interchange test, Upper lumbar support, Longitudinal acceleration sensor, Lateral acceleration sensor: Adaptation, Passenger side front belt tensioner: System self-test, Rear axle: Activate/deactivate wheel alignment mode, ESP actuation system test, ESP sensor ring test, Transfer case clutch: Test, Roll Movement Intervention (RMI): Reset adaptation, ESP control unit: Transfer vehicle identification number, ABS hydraulic-system bleeding, Transfer case control unit: Reset adaptation values, Transfer case oil pump: Bleeding

New Mercedes-Benz Coverage

Added coverage for 147 new system applications

139 new Adjustment type special tests:

Activate Showroom Mode, Activate The Function 'Tire Pressure Loss Warning', Activate/Deactivate Roller Dynamometer Mode, Adapt/Matching After ECU Replacement, Adaptation Of Component 'Torque Converter Lockup Clutch', Adaptation Procedure For Torque Converter Lockup Clutch, Adaptation Via Engine Coolant Temperature, Adaptation Via Torque Ranges, Adaptation/ Matching After Control Unit Replacement, Adblue Pump Initialization, Adblue Tank Level Sensor Calibration, Adjustment Lag Time Audio Output, Anti-Pinch Protection Teach-in Process, Assignment Of Hydraulic Shift Elements, Assyst Plus Reinitialization, Automatic Setting Air Damper Control Motors, Brake Pad Replacement Step 1 (Release), Brake Pad Replacement Step 2 (Close), Breaking-In Of Refrigerant Compressor, Calibrate Control Unit ISM for Direct Select Module, Calibration of Component Acceleration Sensor, Calibration Of Electric Parking Brake Control Unit, Calibration Of Electric Power Steering Torque Sensor, Calibration Of Steering Angle Sensor, Calibration Of Touch-Sensitive Surface, Calibration Touchpad, Coding Reset, Confirmation Of Battery Change, Confirmation Of General Maintenance, Control Module Reset, Control unit restart, Control Unit Run-On Time Adjustment, Correction Programming of Ignition, Current Menu Settings, Customer Request, Date And Time, Deactivate Transport Protection, Deactivate Transportation Mode, Definition, Display And Reset Adaptation Values, DVC/DEC Microphone Calibration, ECU Reset, Enabling Of Engine Start After Crash Event, Entry Of Manufacture Date Of Headlamp, Fan Initiate/Stop, Front Control Motor Basic Settings, Function Test Of AWD Solenoid Valve While Driving, Head Restraint Adjustment, Headlamp Range Adjustment, Headlight Binning (Replacement), Help, High Voltage Component Lock Engagement, High-Voltage Component Lock Disengagement, Important Information On Adaptation Limit Values, Initial Startup, Initial Test/ Oil Condition Check/ Oil Level Check, Injector Quantity Adjustment, Level Calibration, Move To Assembly Position, Move To Calibrated Vehicle Level, Normalization of actuator motors, Normalization Of Power Window, Normalization, Oil Grade Factor, Operating Hrs Ctr Reset-Parking, Standing, Daytime Running Lights, Pairing Audio/Comand MBRACE (Internet Connection), Parking Brake Adaption, Performing Adaptation Of Transmission Control, Radio Presets AM, Radio Presets FM, Read Adjust Value, Reinitialize the Active Service System (ASSYST), Replacement Of Component Transfer Case, Reset Adaptation Parameters, Reset

Adaptation Values Converter Clutch, Reset Adaptation Values for Shift Operation, Reset Adaption To Factory Setting, Reset Adaption Value, Reset Circuit Adaptation Values, Reset Compressor Actuation History, Reset Control Unit, Reset Frequency Counter, Reset Learned Values, Reset Mistaken General Maintenance, Reset of coding, Reset of Component AWD Solenoid Valve learned values, Reset Of Compressor Operating Time, Reset Of Function 'Ring memory', Reset Operated Hour Counter Headlamp, Reset Operating Hours Counters Of LF Headlamp Unit, Reset Operating Hours of Front Fan Motor 1, Reset Operating Hours of Front Headlight, Reset Operating Hours Of Left Front Lamp Unit Fan Motor 2, Reset reverse gear adaptations, Reset Steering Angle Offset Values, Reset Steering Wheel Angle Sensor Adaptation Values, Reset Transmission Adaption Values, Reset Vacuum Pump Actuation Counter, Resetting Learned Values 'Deceleration Mode', Resetting Of Assignment Of Control Unit To Vehicle Side, Resetting the Center Position of the Steering, Resetting the Component (Right front lamp unit fan motor 2), Resetting The Oil Service Data, Resetting The Operating Hours Counter Of Left Xenon Headlamp, Resetting The Operating Hours Counter Of Right Xenon Headlamp, Resetting The Service Life Data Of Automatic Transmission, Resetting The Service Life Data Of Torque Converter, Restore Calibration, SDR Clear History Get Position Start, Selector Sensor Learning, Sensor Unit Calibration, Service Interval Display Reset, Service Interval Reset Faulty, Service Requirement, Soft ECU Reset, Solenoid Valve Calibration, Steering Angle Initialization, Store Vehicle Reference Level, Sun Roof Initialization, Suspension Level Calibration, Teach-in After Replacement Of 'AdBlue® Metering Valve', Teach-In Of Actuator Motors, Teach-in of Position Sensor of Park Pawl, Teach-in Of Selection Range Sensor, Teach-in The Component 'Electric Parking Brake', Throttle Valve Adaption, Tire Pressure Sensor Adaption, Torque Sensor Initialization, Transfer Of Manufacturer Default Settings, Transmit VIN To Control Module 'Mbrace', Trunk Lid/Liftgate Control Unit, Turnoff The Solenoid Valve Of Torque Converter Lockup Clutch, Upshifts, Valve Flushing, Variant Coding Reset, Warranty Or Goodwill Processing, Write Adjust Value, Write Tire Pressure Sensor Id's, Zero **Position Adjustment**

407 new Actuation type special tests:

1st Seat Row/Trunk Refrigerator Box And Power Outlet Relay, 2nd Seat Row Cup Holder And Power Outlet Relay, A/C Water Valve, Acoustic Alarm Mode, Activate 1-2 and 4-5 Shift Solenoid Valves, Activate 2-3 Shift Solenoid Valve, Activate 3-4 Shift Solenoid Valve, Activate Component Modulating Pressure Control Solenoid Valve, Activate Component Shift Pressure Control Solenoid Valve, Activate Component Torque Converter Lockup PWM Solenoid Valve, Activate Roller Dynamometer Mode, Activate The Demo Mode Of Exterior Lighting, Active Curve Lighting With Steering Angle, Active Curve Lighting, Actuation Of Fan, Actuation Of Fuel Pump, Actuation Of Function Illumination, Actuation of Individual Speakers, Actuation of Output - Terminal 15, Actuation Of Speakers, Actuator Control, Adblue Circuit Leak Test, Air Conditioner Performance Test, Airmatic Pressure Relief Valve, Airmatic Relay, All Speaker Tests, Ambient Lighting And Warning Lamp, Ambient Lighting in Cab and Center Console, Ambient Lighting In Cockpit And Center Console, Ambient Lighting In Cockpit, Ambient Lighting In Footwell, Ambient Lighting of the Rear Doors, Ambient Lighting Rear, Antenna Measuring Drive, Antenna Test, Audio Signal Test, Audio system self test, Automatic Low Beam Test, AUX Jack, AWD Solenoid Valve, Backrest Inclination Adjustment Test, Backup Camera, Blind Spot Assist (BSA) Warning Lamp, Blind Spot Assist, Blower Regulator / Blower Motor, Boost Pressure Control Flap Actuator, Brake Lamp Switch Test, Brake Lamp, Brightness, Button Lighting of MFL (Multifunction Steering Wheel), Button Lighting, Buzzer/Chime, Camera Cover Control Module: Self-Test, Camera Cover Control Module, Center Brake Lamp, Center Instrument Panel Speaker, Central Instrument Panel Speaker, Central Locking Front Control, Central Locking, Change in Oil Grade Factor, Charging Of Suspension Fluid Reservoir, Check Of Entire Keyless Go System, Check Signal Line To Component "Audio Or COMAND", Check The CD/DVD Insert And Eject, Clear Alarm Sources, Clear Customer specific

data, Closing Of Torque Converter Lockup Clutch, Collision Prevention Assist Warning Lamp, Color Display, Combustion Engine And AC With Integrated Control Fan Motor, Coolant Circulation Pump, Cooling Fan Motor, Current Field Strength FM, Current time, Current Values - Service Information, Current Values, Service Information, Daytime Running Lamps, Deceleration Air Switchover Valve, Deep Discharge Protection, Defogger Control, Defroster/Footwell/Center Air Vent Flap Actuator Motor, Delete Control Unit Type, Denormalizing Power Window, Determination Of Number Of Receivable Radio Transmitters, Determination of receivable FM radio stations, Display Lighting, Display Of Adaptation Values, Display Of Coding Data, Display Of CVN, Display of Model Check Number, Display Of SCN, Display Pattern, Display Test, Display, Display: Service, Door Ambient Lighting, Door Handle Lighting for Rear Doors, Door Handle Lighting, Driver Seat Backrest Inclination Adjustment Motor, Driver Seat Cushion Length Adjustment Motor, Driver Seat Forward/Backward Adjustment Motor, Driver Seat Head Restraint Adjustment Motor, Driver Seat Height Adjustment Motor, Driver Seat Inclination Adjustment Motor, Driver Side Air Vent Ionizer, Dynamometer Mode ON/OFF, Eject Button, Electric Coolant Pump, Electric Parking Brake, Electrical Self Test of microphones, Empty Fuel Tank, Enable Left Front Seat Heater, Enable Right Front Seat Heater, Engine Compartment Fuse And Relay Module, Engine Compartment Terminal 15 Relay, Engine Diagnosis Indicator Lamp, Engine Fuse And Relay Module, Engine Oil Pump Valve, Exit And Warning Lamp, Exterior Door Handle Light, Exterior Mirror Adjustment, External Fan, External Feed And Supply Voltage, Fan Motor, Fan Self Test, Fan Test, Fan Tests, Fanfare Horns, FBS Status Start, FBS Status, FBS4 Data00 Request Results, FBS4 Data01 Request Results, Fill Suspension Strut - Left Front, Fill Suspension Strut - Left Rear, Fill Suspension Strut -Right Front, Fill Suspension Strut - Right Rear, Folding Exterior Mirrors, Folding In/Out of Exterior Mirrors, Footwell Lamps, Footwell Lighting, Fresh Air/Ram Air/Recirculated Air Flap Actuator Motor, Fresh Air/Recirculated Air Flap Actuator Motor, Front Acoustic Signal Frequency, Front Acoustic Signal Volume, Front Fog Lamp, Front Interior Lamps, Front Power Window, Front Roller Sun Blind, Fuel Injectors, Fuel Pressure Reduction, Fuel Pump, Functional Lighting, Hands Free System Microphone, High Pressure And Return Flow Pump, HU Runout Time, HV battery cell evaluation, Illuminated Door Sill Moldings, Illumination of Vanity Mirrors, Indicator Lamps, Inlet Camshaft Solenoid, Inlet Camshaft Valve Lift Switching Actuator, Instrument Cluster Speaker, Instrument Lighting, Intelligent Light Spread, Interior Fuse Box, Interior Lamp, Interior Lamps, Internal Fan, Key Recognition Outside Vehicle, Key Search Inside The Vehicle, Key Search Outside The Vehicle, Key Search, Keyless Go (KG) Key Search, Keyless Go (KG) System Check, Keyless Go (KG) System Test, Keyless Go Seiftest, Keyless Go Selftest, LED Exterior Lights, LED of Switch "Child Safety Lock", LED of Switch "Left Seat Heater", LED of Switch "Mirror Selection", LED Switches "Left or Right Seat Adjustment", LEDs, Left A - Pillar Air Distribution Actuator Motor, Left B - Pillar Air Distribution Actuator Motor, Left Blend Air Flap Actuator Motor, Left Center Air Vent Flap Actuator Motor, Left Defroster Flap Actuator Motor, Left Electric Parking Brake Actuator Motor, Left Exterior Mirror Turn Lamp, Left Footwell Flap Actuator Motor, Left Front Axle Damping Valve Unit, Left Front Headlamp, Left Front NR Valve, Left Front Reversible Emergency Tensioning Retractor, Left Front Seat Heater, Left Front Speaker Group, Left Front Tire Pressure Sensor, Left Fuse And Relay Module, Left Rear Axle Damping Valve Unit, Left Rear Center Air Outlet Actuator Motor, Left Rear Interior Lamp Unit, Left Rear Lamp Unit, Left Rear NR Valve, Left Rear Power Window, Left Rear Pressure Regulating Valve Pressure Release, Left Rear Speaker Group, Left Rear Tire Pressure Sensor, Left Side Air Vent Flap Actuator Motor, Left Trunk Lid/Liftgate Ambient Lamp And Warning Lamp, LF Power Window, License Plate Lamps, Liftgate Central Locking Motor, Lighting Control, Lighting Display Test, Lighting Of Component Direct Select Shift Lever, Lighting Of Component Trunk Lid Emergency Opening Switch, Lighting Of Component 'Trunk Lid/Liftgate Control Button', Log Data (EEPROM), Low Temperature Circuit Circulation Pump 1, Low Temperature Circuit Circulation Pump 2, Low Temperature Circuit Switchover Valve, Lower Left Blend Air Flap Actuator Motor, Lower Right Blend Air Flap Actuator Motor, Luggage

Compartment Key Recognition, Map Version Update Matrix, Memory Function, Microphone Array Selftest, Microphone Selftest, Microphone Self-Test, Mirror Dimming, Mirror Glass, Mirror Heater, Mirror Lamps Of Sun Visors, Mixture Formation, Multifunction Display, Muting, Navigation Module, No-Load Current Shot-Off Relay, No-Load Current Shut-Off Relay, Oil Change Data, Oil Level Check, Outlet Camshaft Solenoid, Panoramic Sliding Sunroof, Partial Load Operation Crankcase Ventilation Valve, Passenger Compartment Key Detection, Perfume Atomizer Generator, Picture Display Test, Pointer Tests, Pointer, Positive Temperature Coefficient (PTC) Heater Booster, Preinstalled NAVI Markets Reguest Results, Purge Switchover Valve, Quantity Control Valve, Rail Pressure Reduction, Ram Air Flap Actuator Motor, Read actual electric fuel pump, Read Key Data, Read Service Needs, Reading Lamps, Rear Acoustic Signal Frequency, Rear Acoustic Signal Volume, Rear Camera Cover Motor, Rear Doors, Rear Fog Lamp, Rear Fuse Box, Rear Lamp, Rear Parking System Warning Indicator, Rear Power Window, Rear Roller Sun Blind, Rear Seats, Rear Side Marker Lamps, Rear Turn Signal Lamp, Rear Window Heater Relay, Rear Window Roller Sun Blind Motor, Rear Window Wiper, Recalculation ASSYST PLUS, Reception Measurement, Refrigerant Compressor Magnetic Clutch, Refrigerant Compressor, Release Pressure In Suspension Strut - Left Front, Release Pressure In Suspension Strut - Left Rear, Release Pressure In Suspension Strut - Right Front, Release Pressure In Suspension Strut - Right Rear, Reserve Relay, Restart The MOST Ring, Result Of Self-Test, Reverse Lamps, Reversing Lamp, RF Power Window, Right A - Pillar Air Distribution Actuator Motor, Right B - Pillar Air Distribution Actuator Motor, Right Blend Air Flap Actuator Motor, Right Center Air Vent Flap Actuator Motor, Right Defroster Flap Actuator Motor, Right Electric Parking Brake Actuator Motor, Right Exterior Mirror Turn Lamp, Right Footwell Flap Actuator Motor, Right Front Axle Damping Valve Unit, Right Front Headlamp, Right Front NR Valve, Right Front Reversible Emergency Tensioning Retractor, Right Front Seat Heater, Right Front Speaker Group, Right Front Tire Pressure Sensor, Right Interior Rear Lamp Unit, Right Rear Axle Damping Valve Unit, Right Rear Door, Right Rear Lamp Unit, Right Rear NR Valve, Right Rear Power Window, Right Rear Speaker Group, Right Rear Tire Pressure Sensor, Right Side Air Vent Flap Actuator Motor, Roller Sun Blind, Roof Ventilator, Rotation Direction Of Component A40/9s11 (Audio/COMAND Ctrl), Routine Result Pending, Sample Display, Search Lighting, Seat Backrest Inclination Adjustment Motor, Seat Cushion Length Adjustment Motor, Seat Forward/Backward Adjustment Motor, Seat Forward/Backward Adjustment, Seat Head Restraint Adjustment Motor, Seat Height Adjustment Motor, Seat Height Adjustment Test, Seat Height Adjustment, Seat Inclination Adjustment Motor, Seat Inclination Adjustment, Segments On Speedometer, Self Test, Selftest, Set Factory Defaults, Set Function Mode: Control, Set Function Mode: Installation, Set Function Mode: Normal, Set Function Mode: Roll, Setting Mirror Glass, Shift Transmission to N, Side Marker Lamps, Signal Level, Signal Quality, Smooth running evaluation, Software version, Solenoid Test, Solenoid Valve Test for All Control Valves and Shift Valves, Speakers, Special Functions, Spray Nozzle Heating And Spray Nozzle Hose Heater, Spray Nozzle Hose Heater, Starter Alternator Coolant Pump, Status LEDs, Steering Column Adjustment, Steering Column In/Out Adjustment Motor, Steering Column Up/Down Adjustment Motor, Steering Wheel Heater Indicator Lamp, Steering wheel heater, Steering Wheel Vibration Motor, Steering Wheel Vibration Test, Switch and Control Lamps -Trunk Lid Emergency Opening Switch, Switch And Controls Illumination, Switch and Controls Lighting Switches, Switch Lighting, Switch Off Incline Recognition For Dynamometer Mode, Switch On Display, Switch To Normal Mode, Symbol Illumination: Control, Symbol Lamp (Audio/Comand Control Panel), Symbol Lamp, System Self-Test, Tail Lamp/ Brake Lamp, Tail Lamps, Tailgate Control Button Light, Tank Cap Central Locking (CL/ZV) Actuator, Terminal 15R Relay, Terminal 30G Relay, Terminal 87 Status, Test CD/DVD ejection, Test CD/DVD Feed, Test Picture Display COMAND Online, Test Picture Display, Test slot for memory card, Test USB interface, Throttle Valve Actuator, Transmission Oil Cooling Coolant Circulation Pump, Transport Mode, Trunk Lamps, Trunk Lid Control Drive Unit, Trunk Lid Lock Motor, Trunk Lid Or Liftgate, Trunk Lid/ Liftgate Control Electric Motor, Trunk Lid/ Liftgate Control Warning Buzzer, Turn Signal Lamp, Upper And Lower Audio/COMAND Display Ambient Lighting, Upper Left Blend Air Flap Actuator Motor, Upper Right Blend Air Flap Actuator Motor, Vehicle Interior Terminal 15 Relay, Volume and Frequency, Wake-Up Wire, Warning Message, Windscreen Washer Pump, Windscreen Wiper, Windshield Washer System Pump, Wiper Blade Heater, Wiper Park Position Heater Relay, Wiring Test Of The Radio Antennas

New Porsche Coverage

o Added coverage for 11 new system applications

48 new special tests:

Battery adaptation, Selector lever lock, Write injector codes, A/C compressor adaptation, Autom. transm. adaptation values reset, Drain fuel tank, HV battery coolant pump, Turbocharger basic setting, Activate/deactivate cruise control, Basic setting, exhaust-gas recirculation, Exhaust gas recirculation valve basic setting, Reset fuel pressure adaptation, In-cylinder flow flap 2 basic setting, Read injector codes, Autom. transm. adaptation values adapt., Battery (high-voltage): Diagnosing state, Coolant shutoff valve, El. power st. st. wheel angle sens. adapt., Torque converter lock-up clutch, Transmission oil pump motor, Headlamp setting, HV battery charge, Reset adaption to factory setting, Tyre pressure sensor adaptation, Reset DPF differential press. sensor adapt., Basic setting kickdown, In-cylinder flow flap 1 basic setting, Reset particulate filter adaption values, Battery (12V): Encoding, Deactivate parking brake for pad replacement, HV battery charge/discharge current, Interval display service: Resetting, Stationary DPF regeneration, Throttle valve basic setting, Quantity comparison, Swirl flap basic setting, Activate parking brake after pad replacement, All actuators, Enable control unit, Activation: Actuator test, Adaptation of idle speed, Bleed fuel system, High-voltage batt. management contr.unit: System self-test, Basic setting, Battery (high-voltage): Reading out the current capacity, SOH (State of Health), Reset all adaptation values, Battery (high-voltage): Readout of the current capacity, HV battery cell evaluation



Bosch Automotive Service Solutions Inc.

15000 N Haggerty Road Plymouth, MI 48170

tech@boschdiagnostics.com 855-267-2483