

Version 4.19

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Overview

Version 4.19 update includes model year **2022** vehicle coverage and additional **ADAS** calibrations.

Over 11,000 new special tests & 5,485 new system applications included in this update.

Software and coverage feature details provided in these release notes.

New Coverage Highlights (Coverage details start on Page 2)

MY2022 Additions:

- **Acura** - RDX
- **Audi** – A3, A3 Quattro, A4 Allroad, e-tron GT, e-tron Sportback, RS e-tron GT, S3, S4, S6, S7, SQ5, TTS Quattro
- **BMW** - 228i xDrive Gran Coupe, 330i, 430i, 430i xDrive, 530i, 530i xDrive, M235i xDrive Gran Coupe, M3, M440i
- **Cadillac** – XT4
- **Chevrolet** – Express 2500, Express 3500, Malibu
- **Chrysler** – 300, Pacifica, Voyager
- **Dodge** - Challenger, Charger, Durango
- **Fiat** – 500X
- **Ford** – Edge, Escape, Explorer, F-150, Maverick, Ranger
- **GMC** – Savana 2500, Savanna 3500
- **Infiniti** – Q60
- **Jeep** – Cherokee, Grand Cherokee L, Grand Wagoneer, Renegade, Wagoneer
- **Lexus** – IS300, IS350, LC500, LC500h, LS500, LS500h, RC F, RC300, RC350
- **Lincoln** – Aviator, Corsair
- **Mini** – Cooper Clubman, Cooper Countryman
- **Mitsubishi** - PHEV
- **RAM** – 1500 Classic, ProMaster 1500, ProMaster 2500, ProMaster 3500
- **Toyota** – C-HR, Corolla Cross, Mirai, RAV4, RAV4 Prime, Tundra, Venza
- **Volkswagen** – ID.4, Jetta, Taos
- **Volvo** – S90, V60
- **Special Test Additions** – multiple brands
- **ADAS Coverage:**

- **Chrysler** – Coverage added for 2022MY 300, Pacifica, Voyager, Charger, Durango, 1500 Classic
- **Jeep** – Coverage added for some 2022MY Models, 2021MY Grand Cherokee L
- **GM** – Coverage added for more 2022MY vehicles
- **Audi** – Coverage added for many 2022MY A7 Sportback, e-tron Quattro, Q7, SQ5
- **BMW** – Coverage added for more 2022MY vehicles, including Mini Cooper Countryman
- **Fiat** – Coverage added for 2022MY 500X
- **Volkswagen** – Coverage added for 2022MY ID.4, Jetta, Taos

New Coverage – USA Domestic

Chrysler/Jeep/Ram Coverage

- Added coverage for 554 new system applications

249 new Adjustment type special tests:

ABS Bleed Brakes, ABS Initialization, ABS Unit Bleed, ABSO Initialization, Active Grill Shutter Replaced, Actuator Calibration, AFLS Calibration, ASCM Initialization, Auto Door Lock, Auto Door Unlock, Auto High Beam Demo Mode Test, Automatic Loudness, Bleed Brakes, Brake Fluid Replacement/Brake Fluid Reservoir Substitution, Brake Pedal Calibration, Calibrate Liftgate, Calibrate Tandem Master Cylinder Sensor, Calibration Routine, Caliper EPB substitution, CAM Crank Relearn Routine, Change Country Code, Channel Output Test, Check PCM VIN, Clear All Learned Seat Parameters, Clear DEF Pump Learned Offset Values, Clear Engine Auto Restart Crank Counter, Clear Learning Value, Clear Misfire TLC, Clear Self-Learning Data, Clear Steering Pull Compensation, Clear Stored Accumulated Fuel Mass, Clear TPM Sensor Rolls Test Results, Clear TPM Sensor Warnings, Clear Variable Line Pressure Counters, Clock Display, Closed Coupled Replacement, Clutch Pedal Learn, Configure IBS for Stop-Start, Configure License Plate Size, Coolant Three Way Valve, Coolant Three Way Valve Replaced, Crank and Sync Record, Crankshaft Pos. Variation Learn, Current Cabin Equalization, Diesel Particulate Filter Regeneration, Disable Auto Relock, DPF Pressure Sensor Reset, DPF Regen, DPF Replacement, Driving Regeneration Request, DTCM Replacement, Dual Alternator Enable/Disable, Dual Fuel Tank Enable / Disable, ECU Replacement With Value Transfer, Edit Address Book, EGR Coolant Regeneration, EGR Low Pressure Learn, EGR System Test, EGS Initialization, Electric Park Brake Management, ELSD Quicklearn, Emissions Rolls Test Mode, EMR Reset, Enable / Disable Vehicle Features, Enable Brake Pedal, Enable/Disable DRL, Enable/Disable Seatbelt Minder Chime, Enable/Disable The Roll Bench Mode, Engine Idle Shutdown Feature Enable/Disable, EPB Assembly Check, EPS Learn, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, Exit Logistic Mode, Exit Shipping Mode, FCM Enable Emissions Rolls Test Mode, Fire Protection System Activate, Flash Reprogramming, Fleet Pin Reset, Front Brake Disc Substitution, Front Caliper Substitution, GSE Injector Adaptation, Hardware Reset, Headlamp Leveling, Heated Seat NTC Validation, High Cut, High Temp Cabin Valve Cal/Test, HVAC Actuator Calibration Test, HVAC FGA Self Learning Motors Test, IAC Reset, Idle Shutdown Timer Adjustment, Initialize ABS, Initialize Cluster Configuration w/o Odometer Affect, Initialize CVT, Initialize EPS, Initialize ORC, Injector Quantity Adjustment, Intake Phaser 1 Cleaning, Intake Phaser 2 Cleaning, Intersection, IPC Proxi Configuration, Key FOB Identification, Key Fobs Linked To Memory, Key-On Reset, KeySense PIN Reset, Learn ETC, Light Rain Sensor Calibration, Longitudinal And Lateral Sensor Calibration, Longitudinal G Sensor Calibration, Longitudinal Sensor Calibration, Low Temp Coolant Fill - Active Pump, Low Temp Coolant Fill - Passive Pump, Mass Air Flow Sensor Initialization, Microphone Output Short Test, Microphone Tone Test, Modify Volumetric Sensors Sensitivity, Module Reset, Most Recent Cool Down Test Results, New Engine Installed, Non-Volatile Memory Reset, OCM System Verification Test, Oil Change Light Reset, Oil Change Monitor Type, Oil Life Restore, Oil Service Reset, Original VIN Lock, Override Occupant Information, P2262 Fault Diagnosis Test, Phone Number, POI

Menu, Power Latch Cinch Operation., Power Take - Off Unit Replacement, Power-On Reset, Pressure Sensor Calibration, Production State, Program Engine Serial Number, Program Tire Sensor Identifications, Program Tire Size, Program Variant Coding, PROXI Back Up IPC to BCM., Proxi Configuration, Proxi Configuration Alignment, PSDM Initiate Power Latch Cinch Operation, PSDM Initiate Power Latch Release Operation, PTO RPM Adjustment, PTO Settings, Quick Learn, Quick Learn Routine, Quicklearn 62TE, Quicklearn Non RFE, Quicklearn RFE, RAM Active Air Box Calibration, RDU Replacement, Read Pinion Factor, Rear Brake Disc Substitution(Continental), Rear Differential Bleed, Rear Seat Audio, Remote Start Temporary Disable, Reset Adaptive After Oil Change, Reset Adaptive Data, Reset Adaptive Fuel, Reset Adaptive Memory, Reset Adaptive Values, Reset Adaptives After Block Change, Reset After Replacement Of Lambda Sensor, Reset Air-Fuel Adaptives, Reset Angle Offset, Reset Cam, Reset Camshaft Adaptives, Reset Clutch Capacity Adaption, Reset ECU, Reset Enhanced Automatic Oil Change Indicator, Reset Error Free Operation Time to 40 Hours, Reset Fuel Pressure Limit Valve Accumulators, Reset H2O Lamp, Reset High Voltage Cable Open DTC, Reset Memory, Reset Minimum TPS, Reset of Lambda Values, Reset of SCR Long Term Adaptation Factor, Reset Parameters to Default, Reset Regen Filter Timers, Reset SCR Mileage Counter to 200 Miles, Reset Service Information, Reset service Oil (for only Twinair), Reset Turbo Adaptives, Reset Turbo Over Boost Counter, Reset VCM Adaptives, Reset VVA Freeze Incorrect Request, Reset Zero Fuel Quantity Calibration, Rollover Detection, SCR DEF Tank Fluid Level Filter Reset, SCR System After ECU Replacement Procedure, SCR System Catalyst Reset, SCR System Dosing Module Replacement, SCR System Pressure Line Replacement, SCR System Tank or Pump Replacement, SCR System Wiring Harness Replacement, Seat Belts Alarm Enable, Seat Belts Alarm Exclusion, Sensor Wiring Test, Service Procedures, Set Axle Type, Set Max Cruise Speed, Set Max Vehicle Speed, Set Pinion Factor, Set Ride Height Level, Settling Group Caliper and Brake Pads, Snorkel Output Test, Software Reset, Speed Limiter, Standardization, Stationary Desoot (DPF Regen), Steering Angle Calibration, Stereo Blend, Store Learned TCU Adaptives, Street Address, System Air Mass/Pressure/Ride Height Readings, TCC Break In, TCM Reset Learned Adaptives Routine, Throttle Body Self-Learning, Tip Start Temporary Disable, Tire Pressure Sensor Registration, TLC Learn, TPM Pressure Update to Placard Value, TPMS Calibration, Trailer Hook Presence Disabling, Trailer Hook Presence Enabling, Turbo Actuator Pre-Align / Self Calibrate, Turn off Gain Mode Override, Update Front and Rear Axle Nominal Tire Pressure Values, Update Pressure Thresholds, Valve Body Solenoid Learn, VG Turbo Charger Cleaning Procedure, VG Turbo Cleaning Effective Validation, VGT Actuator PreAlign And Calibration, VGT Learn, VGT Sector Gear Hysteresis Test, View/Reset DOC After Treatment Over Temp Events, View/Reset DPF After Treatment Over Temp Events, View/Reset Duty Cycle Maps, View/Reset NAC After Treatment Over Temp Events, VIN Lock, VVL Cam Crank Relearn, Write Pinion Factor, Write VIN

1222 new Actuation type special tests:

1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 1st Row Ceiling Light, 2-3 Skip Shift Solenoid Control State, 2-4 Solenoid, 2C Or 2-4 Solenoid, 2nd Gear Clutch Test (62TE), 2nd Gear Clutch Test (Non-RFE), 2nd Gear Clutch Test (RFE), 2nd Prime Gear Clutch Test (RFE), 2nd Row Ceiling Light, 2WD Rolls Mode, 3rd Gear Clutch Test (62TE), 3rd Gear Clutch Test (Non-RFE), 3rd Gear Clutch Test (RFE), 3rd Row Ceiling Light, 4C Solenoid, 4C Solenoid State, 4th Gear Clutch Test (62TE), 4th Gear Clutch Test (Non-RFE), 4th Gear Clutch Test (RFE), 4th Row Ceiling Light, A/C Compressor Clutch Relay Control State, A/C Relay, A/C Request, A/C Select, ABS (Anti-lock Brake System) safety indication, ABS fault Lamp, ABS Lamp, ABS Safety indication, ABS Safety lamp, ABS Warning Light, A-C Compressor Clutch Relay Control State, AC emergency shut off, AC Off For Vehicle Manoeuvring, AC Request, A-C Request, A-C Select, Acc/Run/Start Relay, Accessory Delay Time, Acc-Run-Start Relay, Activate Fuel Lift Pump, Active Exhaust Valve 1, Active Exhaust Valve 2, Active Grill Shutter Test, Actuate All Heaters, Actuate All Seat Heaters, Actuate All Vents, Actuator Test For SCR Device Relay, Actuator Test For Scrdevrly, Adjustable Pedal Disable Relay, Aftertreatment System

Performance Test, Air Condition, Air Condition Relay Control, Air Conditioner Relay Command, Air Defrost Motor Distribution (Left side), Air Defrost Motor Distribution (Right side), Air Mix Motor, Air Mode Motor, Air Rear Motor Distr, Alarm/Doors Status Led, Alarm/Doors Status/Deterrence LED, Alarm-Doors Status-Deterrence LED, All Doors/Central Locks, All Doors-Central Locks, All Stop Lights, All Stop Lights W-Combined Rear Lighting, Alternator Current Limit, Alternator Field Control State, Alternator Field Duty Cycle, Alternator Field Duty-Cycle, Alternator Output Voltage Setpoint, Alternator Test, Ambient Dimming, Ambient dimming command, Ambient Illumination; Interior, Ambient Light, AMP Output Short Test, AMP Output Tone Test, ANC Output Short Test, Anti-lock Brake System (ABS) safety indication, Approach Light State, ASR Button lamp, ASR-ESP Safety indication, ASR-ESP Safety Lamp, Audio Measure AC and DC, Audio Routing, Audio Test For Subwoofer Specific, Audio Video Signal Detection, Audio Volume (Current Source), Audio Volume (current source), Audio Volume (ENT), Audio Volume (INFO 1), Audio Volume (INFO 2), Audio Volume (SIG), Auto Shutdown (ASD) #1 Relay Control State (Left Bank), Auto Shutdown (ASD) #2 Relay Control State (Right Bank), Auto Shutdown (ASD) Relay Control State, Auto Shutdown Relay Control State, Auto Wipers, Automated Driver Door Ajar Signal, Automated Driver Door Open, Automatic High Beam Operation, Auxiliary Coolant Pump, Auxiliary Fuel Pump, AWD System Switch, Back Up Lights, Back Up Trailer Relay Ctrl, Background LED Illumination Level, Background LED State, Backup Alarm, Back-Up Lamps, Backup Light, Backup Lights, Baggage Lamps, Balance Level Settings, Balance Settings, Bass Level Settings, Bass Settings, Bed Lamp, Blue Lights, Boost Low Pressure Actuator, Boost Pressure, Boost Pressure Actuator, Both Headlamps Max Low Position, Both Headlamps Move In Maximum Position (for AVAC), Both Headlamps Move In Middle Position (for AVAC), Both Headlamps Move In Minimum Position (for AVAC), Brake State Output, Brake Switch, BSM State, BTSI Solenoid, Buzzer Control, Calibration Sensor, Catalyst Efficiency Test, CEGR H-Bridge Valve Duty Cycle, Ceiling Light, Ceiling Light Front, Ceiling Light Rear Left, Ceiling Light Rear Left or Central, Ceiling Light Rear Right, Center High Mount Stop Lamp, Center Stop Lamp, Central high mounted Stop Light, Central high mounted Stop Light (CHMSL), Central Lock, Central Lock Relay, Central Stop Lamp, Central Unlock, Channel 1 Audio Control, Channel 10 Audio Control, Channel 11 Audio Control, Channel 12 Audio Control, Channel 2 Audio Control, Channel 3 Audio Control, Channel 4 Audio Control, Channel 5 Audio Control, Channel 6 Audio Control, Channel 7 Audio Control, Channel 8 Audio Control, Channel 9 Audio Control, Charge Air Cooler Coolant Pump, Check PCM Odometer, CHMSL Lamp, CHSML and Stop/Turn Lights, Clearance Identification Lights Relay, CNG Injector Relay, CNG Shut Off Relay, CNG/Gasoline Forced Fuel Type, Cold Start Aid Driver 1, Cold Start Aid Driver 1 Output, Comfort Closing And Opening, Comfort ClosingOpening, Comfort Enable, Command Key Unlock, Command Shift Lock, Compression Test, Control All Solenoids, Control chime, Convenience/Reading Lamp, Convenience-Reading Lamp, Coolant High Temperature Auxiliary Electric Pump, Coolant Three Way Valve Test, Cooled EGR H-Bridge Valve System Test, Cooler Bypass Valve, Cooling Valve Position, Courtesy Lamps, Courtesy Lamps Rear Dome Light, Courtesy/Convenient/Ambient Function, Courtesy-Convenient-Ambient Function, Crankcase Ventilation, Crankcase Ventilation Heater, Cruise Control Lamp, Cyl 1 Deactivation Sol Cntrl State, Cyl 6 Deactivation Sol Cntrl State, Cyl 7 Deactivation Sol Cntrl State, Cylinder 1 Deactivation Solenoid Control State, Cylinder 1 UniAir valve command, Cylinder 2 UniAir valve command, Cylinder 3 UniAir valve command, Cylinder 4 Deactivation Solenoid, Cylinder 4 Deactivation Solenoid Control State, Cylinder 4 UniAir valve command, Cylinder 6 Deactivation Solenoid Control State, Cylinder 7 Deactivation Solenoid Control State, Cylinder Balance Test, D LED State, D+ Repetition Relay Command, Day Lights, Day Lights Left, Day Lights Left - Right, Day Lights Left -Right, Day Lights Right, Day Run Light (DRL) Parking Light Left, Day Run Light (DRL) Parking Light Left LED, Day Run Light (DRL) Parking Light Right, Day Run Light (DRL) Parking Light Right LED, Day Run Light (DRL) Parking Turn Light Left, Day Run Light (DRL) Parking Turn Light Right, Daylights and Position Left, Daylights and Position Right, Daylights Halogen Left, Daylights Halogen Right, Daylights Xenon Left, Daylights Xenon Right, Dead Lock Relay, DeadLock Relay, DeadLock Relay-Independent Driver Door Unlock, Dedicated DRL Lamp Left, Dedicated

DRL Lamp Right, Dedicated Left DRL, Dedicated Right DRL, DEF (Reductant) Pressure Line Heater Test, DEF (Reductant) Tank Heater Test, DEF Dosing Injection Quantity, DEF Reductant Doser Prime Override Test, DEF Reductant Doser Pump Override Test, Defeat Engine ON, Diesel Cabin Heat 1, Diesel Cabin Heat 2, Diesel Cabin Heat 3, Diesel Cabin Heater #1, Diesel Cabin Heater #2, Diesel Cabin Heater #3, Diesel Cabin Heater 1, Diesel Cabin Heater 2, Diesel Cabin Heater 3, Diesel Cabin Heater 4, Diesel Fuel Heater, Diesel Fuel Heater Relay, Digital Inputs1 High Memory, Display Start Inhibit Data, Door Ajar Signal To Front Ceiling Dome, Door Ambient Light State, Door Courtesy Lamp State, Door Locks, Door Status Led, Door Status LED Command, Doors status - deterrence LED, Double Start Override Relay, Downstream lambda probe heater command, DPF Lamp, DPF Reset Option, DR Solenoid, Drive style 2 LED, Drive Style 2 LED Command, Drive style 3 LED, Drive Style 3 LED Command, Driver Door Ajar Signal To Manual Transmission Automated, Driver Door Ajar Signal To MTA (Manual Transmission Automated), Driver Door Unlock, Driver Door Unlock Relay, Driver Doors Status - Deterrence LED, Driver Heated Seat, Driver Seat Backrest Command, Driver Seat Lift Command, Driver Seat Slide Command, Driver Seat Tilt Command, Drivers Window Control, DRL, DRL - Front Park Lights, DRLs and Side Repeaters, DTI FUEL TRANSFER RLY, DTI LTR CLNT PMP, DTI SPRCHRGR BPV MOTOR, Dual Speed Fuel Pump Relay, Dual Speed Oil Pump, Dual Speed Oil Pump Status, Dump Valve, Dump valve command, Duty Cycle Purge Solenoid, EBD (Electronic Brake Distribution) safety indication, EBD Safety Lamp, EBD Warning Light, E-CALL Backlight LED, E-CALL Green Status LED, E-CALL Red Error LED, ECC Percent Max Torque, ECO LED, ECO Led Command, ECO-LPG-SS-E-Costing LED Command, EGR Cooler Bypass, EGR DC Motor And Solenoid Valve, EGR DC Motor Sol Vlv Recir Vlv, EGR Duty Cycle, EGR Hi Pressure Motor Test, EGR Positioner, EGR Throttle Valve, EGR Valve Actuator Test, EGR Valve Replaced, EGR Valve Solenoid Duty Cycle, Electric Park Brake, Electric Seat Movimentation Relay, Electric Thermostat Heater Solenoid, Electric Thermostat Heater Solenoid Duty Cycle, Electric Vacuum Pump, Electric Wastegate Valve, Electronic Brake Distribution (EBD) safety indication, Electronic Stability Control (ESC) OFF lamp indication, EMCC VLP Solenoid, Emissions Rolls Test Mode Is Active, Enable sunroof unit, Enable The One Press All Unlock Feature, Enable Trailer Tow Lamps, Engine After Run Coolant Pump, Engine Digital Fan 1, Engine Digital Fan 2, Engine Off Injector Toggle Test, Engine Oil Pump Valve, Engine RPM Control, Engine Running Injector Kill Test, Engine Warm Up, EPB (Electric park brake) Button Led, EPB (Electric park brake) Red lamp, EPB (Electric park brake) Yellow lamp, EPB Failure Lamp, EPB Function Lamp, EPB switch lamp, EPS Adaptive Data Control, EQ Loudness Test, ESC (Electronic Stability Control) Safety lamp, ESC Button Lamp, ESC Disable Lamp, ESC Malfunction Lamp, ESC Safety Lamp, ESCL Unlock Control, ESIM Forced Monitor Test, ESM Power Supply, ETC Indicator Test, ETC Lamp, ETC System Test, ETC Throttle Follower Test, EVAP Purge Valve, Exhaust Gas Cooler Bypass Valve, Exhaust Gas Recirculation Valve, Extend Mileage With SCR Active Faults, Externalcrown Light Rear Left LED, Externalcrown Light Rear Right LED, Faceplate Controls (Eject Button), FAD Feedback Voltage, FAD Lock Request, Fade Settings, Fader Level Settings, Fader Settings, Fan Climate Relay, Fan Clutch PWM Duty Cycle Output, Fan Clutch Test, Flash Hazard Lamps on Lock, Flasher - Rear backup Left Light, Flasher - Rear backup Right Light, Flasher Front Left, Flasher Front Right, Flasher Rear - Lateral Left, Flasher Rear - Lateral Right, Flipper Glass 2, Fog Front Light Left, Fog Front Light Right, Fog Lamps, Fog Light Led, Fog Lights, Fog Rear Light Or Second Backup Light, Foot Well, Foot Well/Halo Lamps, Foot Well-Halo Lamps, Frequency Step Selection, Frequency Step Selection Tuner AM-FM, Frequency Step Selection Tuner FM2, Front Ceiling Light, Front Ceiling Light - Inadvertent Lights, Front Ceiling Light + Inadvertent Lights, Front Ceiling Light Command Enable, Front Dome Reading Light, Front Driver Window Lifter Command Down, Front Driver Window Lifter Command Up, Front DRL Light Xenon, Front Fog Light Left, Front Fog Light Right, Front Fog Lights, Front Fog Lights Halogen, Front Foglights, Front Lateral Left Turn Lights, Front Lateral Right Turn Lights, Front Left Flasher, Front Left Heat Seat Request, Front Left Turn Lamp, Front Lock doors command, Front Off Road Camera Washer, Front Parking Light, Front Parklamps, Front Passenger Window Lifter Command Down, Front Passenger Window Lifter Command Up, Front Position Light Xenon, Front Right Flasher, Front Right Heat Seat

Request, Front Right Turn Lamp, Front Side Marker, Front Unlock, Front Wash, Front Washer, Front Washer Relay, Front Wiper, Front Wiper (High/Low), Front Wiper (High-Low), Front Wiper (On/Off), Front Wiper (On-Off), Front Wiper Motor, Front Wiper Test, Front/Rear Washer, Front-Rear Washer, Fuel Filter Heater, Fuel Filter Heating, Fuel filter water level warn lamp, Fuel Filter Water Level Warning Lamp, Fuel Injector, Fuel Injector 1, Fuel Injector 1 Control State, Fuel Injector 2, Fuel Injector 2 Control State, Fuel Injector 3, Fuel injector 3 Control State, Fuel Injector 4, Fuel Injector 4 Control State, Fuel Injector 5, Fuel Injector 5 Control State, Fuel Injector 6, Fuel Injector 6 Control State, Fuel Injector 7, Fuel Injector 7 Control State, Fuel Injector 8, Fuel Injector 8 Control State, Fuel Injector Balance, Fuel Metering Unit, Fuel Metering Unit Actuator, Fuel Pre Supply Pump, Fuel Pressure Override, Fuel Pressure Regulated O/P (Bar), Fuel Pressure Regulator, Fuel Pressure Regulator Valve, Fuel Pump, Fuel Pump Relay, Fuel Pump Relay Control State, Fuel System Run Up Test, Functional LED Illumination Level, Functional LED State, Gas Injector Relay, Gated Park ZFII Output, Gated Park ZFII Output Control, Gear Lever Position Display Test, Gear Selection, General Stop Function, Generator Ramp Time, Generator Speed Threshold, Glow Lamp, Glow Plug, Glow Relay, Hazard LED, Head Lamp Wash, Head Lamp Washer Relay, Head Rest Relay, Headlamp Delay Time, Headlamp Washer, Headlamps, Headlamps Max High Position, Headlamps On With Wipers, Heated Rear Window, Heated Rear Window Led Command, Heated Rear Window Relay, Heated Steering Wheel Request, Heater Rear Mirror, Heater Rear Window, Heating Driver Command, Heating Passenger Command, Heating Steering Wheel Command, HEV Belt-Driven Coolant Pump Clutch Relay, HEV Engine Aux Heater LIN Coolant Pump, HEV Engine Belt-Driven Coolant Pump Clutch Relay, HEV Fuel Tank Isolation Valve Solenoid, HEV TPIM Inverter LIN Coolant Pump, High Beam Left, High Beam Light, High Beam Lights, High Beam Right, High Beam Xenon with shutter, High Beams, High Beams Lights, High Beams Lights Halogen, High Pressure Fuel Rail Test, High Pressure Fuel System Test, High Side For Diesel Filter Heater Relay Command, High Speed Engine Cooling Fan Control, High Speed Fan, High Speed Fan Relay, High Voltage Battery Precharge Contactor Test, Highbeams, Hill Hold Indicator, Hill-Holder Safety indication, Hill-Holder Safety Lamp-Message, Horn, Horn LS Driver, Horn Relay, Horn relay command, HPCR Duty Cycle, HPCR Duty Cycle Output, Ice Led, Idle RPM Test, Ignition Coil 1, Ignition Coil 10, Ignition Coil 2, Ignition Coil 3, Ignition Coil 4, Ignition Coil 5, Ignition Coil 6, Ignition Coil 7, Ignition Coil 8, Ignition Coil 9, Ignition Run, Ignition RUN/ACC 1, Ignition RUN/ACC 2, Ignition RUN/START, Ignition RUN-ACC 1, Ignition RUN-ACC 2, Ignition RUN-START, Illuminated Approach Time, In Motion Menu Control, Initiate P2BA9 SCR Refill Monitor, Injector 1 coil command, Injector 1 command, Injector 2 coil command, Injector 2 command, Injector 3 coil command, Injector 3 command, Injector 4 coil command, Injector 4 command, Injector Kill Test, Inlet Metering Valve, Inlet Valve FL, Inlet valve FL activation, Inlet Valve FR, Inlet valve FR activation, Inlet Valve Front Left, Inlet valve front left activation, Inlet Valve Front Right, Inlet valve front right activation, Inlet Valve Left Front, Inlet Valve Left Front (Normally Open), Inlet Valve Left Rear, Inlet Valve Left Rear (Normally Open), Inlet Valve LF(Normally Open), Inlet Valve LR (Normally Open), Inlet Valve Rear Left, Inlet valve rear left activation, Inlet Valve Rear Right, Inlet valve rear right activation, Inlet Valve RF (Normally Open), Inlet Valve Right Front, Inlet Valve Right Front (Normally Open), Inlet Valve Right Rear, Inlet Valve Right Rear (Normally Open), Inlet valve RL, Inlet valve RL activation, Inlet valve RR, Inlet Valve RR (Normally Open), Inlet valve RR activation, Input Test, Instrument Panel Dimming, Instrument Panel Dimming, Intake Air Throttle Actuator, Intake Air Throttle Actuator Test, Intake Manifold Short Runner Valve (SRV) Solenoid Control State, Intake Manifold Short Runner Valve Solenoid, Intake Manifold Tuning Valve (MTV) Solenoid Control State, Intake Manifold Tuning Valve Solenoid, Intake Port Shut Off, Intake Throttle Duty Cycle, Intake Throttle Duty Cycle Output, Internal Led Night Lights, Internal Night Lights, Internalcrown Light Rear Left LED, Internalcrown Light Rear Right LED, Inverter, Inverter Enable, Inverter Enable Command, Inverter Enable Relay, Inverter Status Indicator, Inverter Switch, IOD RELAY ON LSD, IP dimming command, IRCM Heater, IRCM Relay Unlock Control, Key lock command, Knob Lock State, Lamps Actuation-Left leveling actuator position, Lamps Actuation-Right leveling actuator position, Lateral Anti Tilt Sensor,

Lateral Anti-tilt X Sensor, LC Solenoid, LDP Solenoid, Leak Detection Pump, Leak Detection Pump Forced Monitor Test, LED Lock Inhibition Rear Widows Lifter, LED Test - Damping Mode Hard / Sport Active, LED Test - Damping Mode Soft Active, Left (Front/Central/Rear) Turn Lights, Left (Front-Central-Rear) Turn Lights, Left (Front-Rear) Parking Lights, Left Air Catcher LED, Left Auxiliary High Beam, Left Backrest Heat Seat Linear PWM Request -Output, Left Cushion Heat Seat Linear PWM Request -Output, Left Day Light Lamp, Left DRL, Left Front Fog Lamps, Left Front Park Lamp, Left Front Turn Lamp, Left HID Lamp, Left High Beam, Left High Beam Shutter, Left Low Beam, Left Park/Tail Lamp, Left Parking Lights, Left Rear Fog Lamps, Left Rear Tail/Park Lamp, Left Rear Tail-Park Lamp, Left Rear Turn Lamp, Left Rear Turn Lights (EMEA), Left Rear Turn/Stop Lamp, Left Rear Turn-Stop Lamp, Left Reartail-Park Lamp, Left Reverse Lamp, Left Reverse Lamp 2, Left Reverse Lamp State, Left Side Markers, Left Signal Mirrors/Side Repeaters (BUX), Left Signal Mirrors-Side Repeaters (BUX), Left Signature Lamp, Left Stop Lamps, Left Stop-Turn Trailer, Left Trailer Tow Turn/Stop Lamp, Left Trailer Tow Turn-Stop Lamp, Left Turn Indicator, Left Turn Light Front-Lateral, Left Turn Lights, Left Vent Seat Linear PWM Request - Output, LF Turn Lamp/DRL, Licence Plate Lights, License Plate Lamp, License Plate Lights, License Plate Lights Command, Lift Pump Relay, LIN Anti Tilt Sensor Check, LIN Line Request Check, LIN Siren Check, LIN Ultrasonic Sensors Check, Linear Hall, Lock - Unlock Steering Wheel, Lock Doors Command, Lock Rear Doors Relay, Longitudinal Anti Tilt Sensor, Low Beam Left, Low Beam Lights, Low Beam Lights Halogen, Low Beam Right, Low Beam Xenon, Low Beams, Low Pressure Feed Valve 1, Low Pressure Feed Valve 2, Low Pressure Feed Vlv 1(Normal close), Low Pressure Feed Vlv 2(Normal close), Low Reverse Solenoid, Low Speed Fan Relay, Low-Reverse Solenoid, LPF Front -Normally Closed), LPF Rear - Normally Closed), LPG Led Command, LR Solenoid, LR Stop/Turn Signal Lamp, M LED State, Malfunction Indicator Lamp, MCI Front -Normally Open), MCI Rear -Normally Open), Metering Unit, Metering Unit Actuator, Mid Range Settings, Mid-Range Audio Level Settings, Mid-Range Settings, MIL Lamp, Mirror Direction, Mirror Fold, Mirror Heat State, Mirror Heater, Mirror LED Left State, Mirror LED Right State, Mirror Left LED State, Mirror Right LED State, Mirror Turn Signal Lamp State, Mode Selection, Module Self Test, MS Solenoid, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, Mute Test, N LED State, Neutral Gate Test (62TE), Neutral Gate Test (Non-RFE), Neutral Gate Test (RFE), Night lighting command, Night lights, N-Lock Solenoid State, NOx Sensor Replacement, O2 1/1 Heater Duty-Cycle, O2 1/2 Heater Duty-Cycle, O2 Heater Test, OBCM Wakeup, Oil Pressure Lamp, On-Demand Self-Test, Outlet Valve FL, Outlet valve FL activation, Outlet valve FR, Outlet valve FR activation, Outlet valve front left activation, Outlet valve front right activation, Outlet Valve Left Front, Outlet Valve Left Front (Normally Closed), Outlet Valve Left Rear, Outlet Valve Left Rear (Normally Closed), Outlet Valve LF (Normally Closed), Outlet Valve LR (Normally Closed), Outlet Valve Rear Left, Outlet valve rear left activation, Outlet Valve Rear Right, Outlet valve rear right activation, Outlet Valve RF (Normally Closed), Outlet Valve Right Front, Outlet Valve Right Front (Normally Closed), Outlet Valve Right Rear, Outlet Valve Right Rear (Normally Closed), Outlet valve RL, Outlet valve RL activation, Outlet valve RR, Outlet Valve RR (Normally Closed), Outlet valve RR activation, Over Drive Solenoid, Over Drive Solenoid On Time, Over-Drive Solenoid, Overdrive Switch Test, Overdrive Switch Test (Non-RFE), OverDrive Switch Test (RFE), Oxygen Sensor 1 Heater, Oxygen Sensor 1/1 Heater Control State, Oxygen Sensor 1/1 Heater Duty Cycle, Oxygen Sensor 1/2 Heater Control State, Oxygen Sensor 1/2 Heater Duty Cycle, Oxygen Sensor 1-1 Heater Duty-Cycle, Oxygen Sensor 1-2 Heater Duty-Cycle, Oxygen Sensor 2 Heater, Oxygen Sensor 2/1 Heater Control State, Oxygen Sensor 2/1 Heater Duty Cycle, Oxygen Sensor 2/2 Heater Control State, Oxygen Sensor 2/2 Heater Duty Cycle, Oxygen Sensor 2-1 Heater Duty Cycle, Oxygen Sensor 2-1 Heater Duty-Cycle, Oxygen Sensor 2-2 Heater Duty Cycle, Oxygen Sensor 2-2 Heater Duty-Cycle, P LED State, Parking and Plate Lights, Parking Assistant LED, Park-Tail Lamps, Passenger Airbag LED, Passenger And Rear Door Unlock Relay, Passenger and Rear Doors Unlock, Passenger Door Power Window, Passenger Door Unlock, Passenger Doors Status - Deterrence LED, Passenger Heated Seat Relay, Pilot 1 (USV Front, Pilot 1 (USV1-Normally Open), Pilot 2 (USV Rear, Pilot 2 (USV2-Normally Open), Pilot Front (USV -

Normally Closed), Pilot Valve 1, Pilot valve 1 activation, Pilot Valve 2, Pilot valve 2 activation, Pneumatic Intercooler Bypass, Pneumatic Waste Gate, Police Passenger Un-Lock Motor, Power Down, Power limitation function, Power Mirror Feed Relay Control, Power On and Disable User Inputs, Pressure Control Relief Valve (PCR - Normally Closed), Pressure Regulator Valve, Pressure Value Correction Shut-Off, Pre-Supply Pump, Priming 1 (HSV Front, Priming 1 (HSV1-Normally Closed), Priming 2 (HSV Rear, Priming 2 (HSV2-Normally Closed), Priming Front (HSV - Normally Closed), Priming Valve 1, Priming valve 1 activation, Priming Valve 2, Priming valve 2 activation, Proportional Purge Solenoid, Proportional Purge Solenoid., Proportional Surge Solenoid, PTC Cabin Heater 1 Status, PTC Cabin Heater 2 Status, PTC Cabin Heater 3 Status, PTC Heater Relay 1, PTC Heater Relay 2, PTC Heater Relay 3, PTU Position, Puddle Light Command Driver Side, Puddle Light Command Passenger Side, Puddle light Driver (Door handle and door panel), Puddle light Driver side, Puddle light Passenger (Door handle and door panel), Puddle light Passenger side, Puddle Light Rear Driver(Door Handle And Door Panel), Puddle light Rear Left (Door handle and door panel), Puddle Light Rear Passenger(Door Handle And Door Panel), Puddle light Rear Right (Door handle and door panel), Pump, Pump Control, Purge canister valve command, Purge Solenoid Duty Cycle, Purge Valve Duty-Cycle, Purge Vapors Test, PWM Fan Actuation Test, QVPM Enable Command, R LED State, Radiator Cooling Fan PWM Cntrl State, Radiator Cooling Fan PWM Control State, Radiator Cooling Fan PWM Duty Cycle, Radiator Cooling Fan PWM Duty-Cycle, Radiator Cooling Fan Relay 1, Radiator Cooling Fan Relay 1 Control State, Radiator Cooling Fan Relay 2 Control State, Radiator Fan 1 Duty Cycle, Radiator Fan 2, Radiator Fan 2 Duty Cycle, Radiator Fan 3, Radiator Jalousie ShutterPosition, Radiator-Condenser Cooling Fan Relay 1 Control State, Radiator-Condenser Cooling Fan Relay 2 Control State, Radio Volume, Rail Pressure, Rail Pressure Sensor Replacement, Rain and Automatic Lights Sensors Check, Ram Active Air Box Test, Ram Box, Range Select Downshift Test Routine, Range Select Downshift Voltage, Range Select Upshift Test Routine, Range Select Upshift Voltage, RDM Fluid Level Check, RDU Range Fork Position, Read VIN, Rear Axle Locker Command, Rear Ceiling Light, Rear Ceiling Light - Inadvertent Lights, Rear Ceiling Light + Inadvertent Lights, Rear Ceiling Light 1st Row, Rear Ceiling Light 2nd Row, Rear Defrost, Rear Department, Rear Dome Dimming Light, Rear Door Status LED, Rear Fog Light, Rear Fog Light / Side Marker Lights, Rear Fog Light or Second Backup Light, Rear Fog Light or Second Backup Light - Side Marker Lights, Rear Fog Lights, Rear Fog Lights Left T2 Movable, Rear Fog Lights Right T2 Movable, Rear Fog Or Backup Lamp For Chile, Rear Fog T2 (Movable), Rear Left Turn Light, Rear Left window lifter command, Rear Load Compartment Status LED Command, Rear Parking Light - Side Markers, Rear Parking Light / Side Markers, Rear Parking Lights Command, Rear Reverse Light (Movable), Rear Right And Left Tail T2 (Movable), Rear Right Stop Lamps, Rear Right Turn Light, Rear Right Turn Lights, Rear Right window lifter command, Rear Stop Lights (Movable), Rear Trunk light, Rear Turn Lights Left EMEA, Rear Turn Lights Right EMEA, Rear Wash, Rear Washer Relay, Rear Window Washer, Rear Window Wiper, Rear Wiper, Rear Wiper Motor, Recirculation Pump, Recirculation pump activation, Red Brake Lamp, Repetition Driver Door Open For MTA (NCR), Repetition driver door open for MTA (Robotic Gear), Reset Automatic Windows, Reverse Gear Clutch Test (62TE), Reverse Gear Clutch Test (Non-RFE), Reverse Gear Clutch Test (RFE), Reverse Gear Lights, Reverse Lamp, Reverse Lockout Solenoid, Reverse Lockout Solenoid Control State, RF Turn Lamp/DRL, Right (Front/Central/Rear) Turn Lights, Right (Front-Central-Rear) Turn Lights, Right (Front-Rear) Parking Lights, Right Air Catcher LED, Right Auxiliary High Beam, Right Backrest Heat Seat Linear PWM Request -Output, Right Back-Up-Turn Lamp -Pillar, Right Cushion Heat Seat Linear PWM Request -Output, Right Day Light Lamp, Right DRL, Right Front Fog Lamps, Right Front Park Lamp, Right Front Turn Lamp, Right HID Lamp, Right High Beam, Right High Beam Shutter, Right Low Beam, Right Park/Tail Lamp, Right Parking Lights, Right Rear Fog Lamps, Right Rear Park Lamps, Right Rear Tail Light, Right Rear Tail/Park Lamp, Right Rear Tail-Park Lamp, Right Rear Turn Lamp, Right Rear Turn/Stop Lamp, Right Rear Turn-Stop (NAFTA), Right Rear Turn-Stop Lamp, Right Reartail-Park Lamp, Right Reverse Lamp, Right Reverse Lamp #2, Right Reverse Lamp 2, Right Reverse Lamp State, Right Side Markers, Right Signal Mirrors/Side Repeaters (BUX), Right

Signal Mirrors-Side Repeaters (BUX), Right Signature Lamp, Right Stop-Turn Trailer, Right Trailer Tow Turn/Stop Lamp, Right Trailer Tow Turn-Stop Lamp, Right Turn Indicator, Right Turn Lights, Right Vent Seat Linear PWM Request -Output, Roller Learning Shut-Off, RR Stop/Turn Signal Lamp, RT-LT Sidemarkers-RT-LT Applique Parklamps, Run Relay, Run/Acc Relay, Run/Start Relay, Run-Acc Relay, Run-Start Relay, Safety indication, Safety Indication Adaptive Cruise Control, Safety Indication Forward Collision Warning, Safety Indication Normal Cruise Control, Satellite Digital Audio Radio Service (SDARS) Station Selection, Satellite digital audio receiver (SDAR) station selection, SBMT, SBMT (Supply Battery Monitoring Time), SBMT -Supply Battery Monitoring Time, SCR Inlet Temp Sensor Replacement, SCR Relay Actuation Test, Screen Test Pattern, SDAR Station Selection, SDARS (Satellite Digital Audio Radio Service) Station Selection, Secondary Air Pump, Secondary Air Solenoid, Secondary/Thatchum Lock Motor, Secondary/Thatchum Un-Lock Motor, Secondary-Thatchum Lock Motor, Secondary-Thatchum Un-Lock Motor, Seek Status, Seek Status Tuner AM-FM, Seek Status Tuner DAB, Seek Status Tuner Digital Audio Broadcasting (DAB), Separation Valve (SV - Normally Open), Set Engine RPM Test, Set Transference Clutch Torque, Shift Lever Position Test (62TE), Shift Lever Position Test (Non-RFE), Shift Lever Position Test (RFE), Shift Lock Coil Command, Shift Lock Command, ShiftLock, Shutoff Correction Quantity, Shutoff Injector Quantity, Side Marker Lamps, Side markers, Side Markers Command, Skip Shift Solenoid, Small Leak Verification Test, Smart Bar Command, Snow Plow Left Turn Lamp, Snow Plow Park Lamps, Snow Plow Right Turn Lamp, Snow Plow Switch #1, Snow Plow Switch #2, Snow Plow Switch #3, Snow Plow Switch #4, Snow Plow Switch 1, Snow Plow Switch 2, Snow Plow Switch 3, Snow Plow Switch 4, Software Test, Sound Horn On Lock, Sound Horn On Remote Start, SPARE LED LAMP DRIVER, SPARE RELAY 1 LSD, SPARE RELAY 2 LSD, Speaker Quadrant Selection, Split Cooling Drive Duty Cycle, Sport Led, SRV Test, SS LED command, Starter Relay, Starter Solenoid, Starter Solenoid (High), Starter Solenoid High, Starter Status, Steering Wheel Linear PWM Request - Output, Step Light, Stop - Position - Turn Left Light 1, Stop - Position - Turn Left Light 2, Stop - Position - Turn Right Light 1, Stop - Position - Turn Right Light 2, Stop - Position Left Light 1, Stop - Position Left Light 2, Stop - Position Right Light 1, Stop - Position Right Light 2, Stop All Actuators, Stop And Start Led, Stop Lamp, Stop Light Left, Stop Light Right, Stop Parking Lights Left, Stop Parking Lights Right, Stop Parking Turn Lights Left 1, Stop Parking Turn Lights Left 2, Stop Parking Turn Lights Right 1, Stop Parking Turn Lights Right 2, Stop Start Confirmation, Stop Start LED, Stop Trailer Lamp, Stop/Start Relay, StopStart LED, StopStart LED Command, Stop-Start Relay, Sun Shade Control, Sunroof Abilitation, Surge Solenoid Control State, Surge Valve Solenoid, Swing Gate Lock, Swing Gate Unlock, Swirl Valve actuator Test, Switch On EPB Failure Lamp, Switch On EPB Function Lamp, T Case Service Indicator Request, Tail Gate Lock, Tail Gate Unlock, T-Case Motor Duty Cycle, T-Case Motor Solenoid Lock, T-Case Motor-Motor Lock, T-Case Service Indicator Request, Telltale Glow Plug, Temperature Warning Lamp, Temporary Remote Start Disable, Thatcham Lock Relay, Thatcham Unlock Relay, Theft LED, Thermistor Test, Thermostat Drive Duty Cycle, Throttle Valve, Throttle Valve Actuator, Tone Test, Topper Center Mounted Stop Lamp, TOPPER CHMSL, Torque Coupling Control, Trac Cntrl Outlet Vlv 1(Normal open), Trac Cntrl Outlet Vlv 2(Normal open), Traction Control Outlet Valve 1, Traction Control Outlet Valve 2, Trailer Backup Lamps, Trailer BU Lamps, Trailer Tail Lamp Relay, Trailer Tow Park Lamp, Transfer Case 4WD/Lock/Part Lamp, Transfer Case AWD/Auto/Full Lamp, Transfer Case Low Lamp Request, Transfer Case Neutral Lamp Request, Treble Level Settings, Treble Settings, Truck Bed Lighting Leds, Truck Cargo Lamps, Trunk Lamp, Trunk Latch Command relay, Trunk Light, Trunk Light + Inadvertent Lights, Trunk Opening Relay, Trunk Release Relay, Trunk/Flipper Glass Release Motor, Trunk-Flipper Glass Release Motor, Tumble Generator Valve, Turn - Rear backup Left Light, Turn - Rear backup Right Light, Turn Front Lateral Lights Left, Turn Front Lateral Lights Right, Turn Front Light Left, Turn Front Light Right, Turn Light Front - Lateral Left, Turn Light Front - Lateral Right, Turn Light Front Left, Turn Light Front Right, Turn Light Rear - Lateral Left, Turn Light Rear - Lateral Right, Turn Rear Backup Left Light, Turn Rear Backup Right Light, Turn Rear Lateral Lights Right, Turn Signal Lamp Status, UConnect Live Apps Installation, UD Solenoid, UGDO (Universal Garage Door Open) enable command,

UGDO Power Supply, UGDO Theft Deterrent, Underdrive Solenoid, Under-Drive Solenoid, Universal Garage Door Open, Unlock 1/Driver Lock, Unlock 1-Driver Lock, Unlock 2/Passenger Locks, Unlock 2-Passenger Locks, Unlock Doors, Unlock doors command, Unlock Run -Start, Unlock RUN-START, Upstream lambda probe heater command, Urea (Reductant) Pressure Line Heater Actuation Test, Urea (Reductant) Tank Heater Actuation Test, Urea Dosing Valve Actuation Test, Vacuum Cleaner Power Saver Indicator, Vacuum Cleaner Relay Driver, Vacuum Pump Relay, Variable Displacement AC, Variable Swirl Actuator, Variable Swirl Valve Shutoff, Variable Valve Timing, Vehicle Speed Output, Video Input Settings, View Last Successful Remote Start Event Data, View Last VTA Trigger Cause Data, View Remote Start Abort Data, View Remote Start Inhibit Data, VLP Solenoid, VSO Regeneration Command, VTA Indicator LED, VVA Cylinder #1, VVA Cylinder #2, VVA Cylinder #3, VVA Cylinder #4, VVA Solenoids Pre-Energization, VVL Service Test, VVT Control Valve, VVT Exhaust Phaser 1 Actuator, VVT Exhaust Phaser 2 Actuator, VVT Intake Phaser 1 Actuator, VVT Intake Phaser 2 Actuator, Warning Lamp, Waste gate valve command, Wastegate Solenoid Control State, Wastegate Solenoid Duty Cycle, Water In Fuel Filter Lamp Command, Water Pump Charge Air Cooling, Wheel Speed Sensor Functional Test, Window Heater Led, Window Lifter Switch Enable, Window State, Windshield heater, Windshield Washer, Windshield Washer Relay, Windshield wiper, Windshield Wiper Relay, Wiper Heater Control, WK Head Rest Relay,3 Control State,LED Test - Damping Mode Automatic Active

Ford Coverage

- Added coverage for 324 new system applications

84 new Adjustment type special test:

Anti-Lock Brake System (ABS) Calibration, Anti-Lock Brake System (ABS) Module Bleed Configuration, Battery Monitor System Reset, Booster Learn Cycle, Brake System Pressure Bleeding, Cable Adjustment Mode, Calibrate Longitudinal Acceleration Sensor, Clear Transmission Adaptive KAM Tables, Clear Transmission Adaptive Tables, Climate Control System Actuators Calibration, Do Not Use The Transmission Adaptive KAM Tables, DPF Parameter Reset, DSM Reset, Electronic Integrated Park Brake, Electronic Integrated Park Brake - Initialization, Electronic Integrated Park Brake - Service Tools, Engine Oil Life Reset, Factory Keyless Entry Code, Fuel Mass Observer Reset, Fuel System Test - High Pressure, Initialize Adaptive KAM Tables, IVD Initialization Sequence, LIN New Module Initialization, LIN New Module Initialization - BCM, LIN New Module Initialization – IPMB, Misfire Monitor Neutral Profile Correction, Occupant Classification System Module (OCSM) Reset, Particulate Filter Dynamic Regeneration, Particulate Filter Static Regeneration, Passenger System Reset/OCS Reset, PATS Functions, Power Window Initialization - Driver Side, Power Window Initialization - Passenger Side, Read All Injector Quantity Adjustment Coding, Relearn Vehicle Data, Relearn Vehicle Data - AWD, Reset Automatic Regeneration Control Tracking Information, Reset CKP Wheel Sensor Adaptation Values, Reset Diesel Oxidation Catalyst (DOC) Parameters, Reset EGR (Exhaust Gas Recirculation) Throttle Parameters, Reset Exhaust Gas Recirculation (EGR) Valve Parameters, Reset Exhaust Temperature Protection Inhibit, Reset Fuel System High Pressure Side Parameters, Reset Fuel System Low Pressure Side Parameters, Reset KAM, Reset MAF (Mass Air Flow) Sensor Parameters, Reset Min Fuel Mass Adaptations for Cyl 1, Reset Min Fuel Mass Adaptations for Cyl 2, Reset Min Fuel Mass Adaptations for Cyl 3, Reset Min Fuel Mass Adaptations for Cyl 4, Reset Min Fuel Mass Adaptations for Cyl 5, Reset Min Fuel Mass Adaptations for Cyl 6, Reset Min. Fuel Mass Adaptation - All Cylinders, Reset NOx Sensor 1 Learnt Values, Reset NOx Sensor 2 Learnt Values, Reset Oxygen Sensor Learnt Values, Reset Particulate Filter Differential Pressure Sensor, Reset Particulate Filter Upstream Gauge Pressure Sensor, Reset Particulate Matter Sensor Learnt Values, Reset Selective Catalyst Reductant (SCR) Parameters, Reset The Body Control Module (BCM), Reset the Outside Air Temperature Sensor Learned Values, Reset Turbocharger A Compressor Coking Protection Strategy, Reset Turbocharger B Compressor Coking

Protection Strategy, Reset Water In Fuel Counters, Ride Height Calibration , SASM Module Reset, SCR Emptying, SCR System Refill Activation, SCR Visual Leak Check, Steering Angle Sensor Calibration, Steering Motor Angle Trim, Steering Toe Adjustment, Steering Wheel Angle Trim, Steering Wheel Position Sensor Calibration, Stop Trans-Adaptive Learning And Measure Slip Time, Suspension Height Sensor Calibration, Tire Pressure Sensor Registration, TPMS Sensor Training Mode, Transmission Characterization - 10R80 RWD, Valve Calibration, Wastegate Reset, ABS Service Bleed

475 new Actuation type special tests:

Button, % Of Total Fuel Mass To Be Delivered By Direct Inj -Commanded, (Cruise) Resume Switch, (Cruise) Set- Switch, (Cruise) Set+ Switch, (EVAP) Vapor Blocking Valve, (LED) Drive Status 19, (LED) Drive Status 3, * Button, 4WD Switch Status, 4WD-AWD Front Axle Disconnect - Clutch Commanded State, 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 Actuator -A- Requested Torque, A/C Floor Servo Position Status, A/C Recirculating Servo Position Status, ABS Booster Solenoid Current, ABS Valve Power Supply, ABS Warning Lamp, A-C Recirculating Servo Position Status, Accessory Delay Relay Circuit, Activate Front Chime/Buzzer/Speaker, Activate Mute, Activate Rear Speaker, Active Air Dam Position - Commanded, Active Grille Air Shutter -A- Position Commanded, Active Grille Air Shutter -B- Position Commanded, Actuator Supply Voltage -B- Control State, Adaptive Cruise Distance Gap (-) Switch, Adaptive Cruise Distance Gap (+) Switch, Adaptive Front Lighting Fault, Air Conditioning Clutch Engaged, Air Conditioning Compressor Command State, Air Conditioning Compressor Commanded State, Air Mode Actuator, Airbag Warning Indicator, All Door Lock, All Door Unlock, All Injectors Disabled, All Segments, All Warning Lamps, All Wheel Drive Clutch Control Commanded, AM Button, Anti Theft Indicator, AntiTheft Horn, Anti-Theft Horn Status, Audio Input Source, AUX (Auxiliary) Button, Auxiliary Blower Output, Auxiliary Transmission Fluid Pump Commanded, Auxiliary Transmission Fluid Pump Control % Speed - Commanded, Backward Pedal Position Control, Battery Pack Coolant Ctrl Valve A - Output Ckt Energized, BECM Cell Voltage, Bezel Illumination, Blower Motor Control Command, Blower Motor Speed, Brake Shift Interlock, Brake System Fault Indicator Lamp, Brake Warning, Brake-Shift Interlock, Cabin Coolant Heater Control, Cabin Heater Diverter Valve, Camera Power Control, Cancel Button, CCW Relay, CD Button, Center High Mounted Stop Lamp Output Control, Center Speaker Status, Central High Mounted Stop Lamp, Check Engine MIL, Check Fuel Cap Indicator Lamp Command, Command of diverter valve - Battery pack, Commanded Equivalence Ratio (Air to Fuel Mixture) Bank 1, Commanded Equivalence Ratio (Air To Fuel Mixture) Bank 2, Commanded Equivalence Ratio Air To Fuel Mixture Bank 1, Commanded Equivalence Ratio Air To Fuel Mixture Bank 2, Continuous Vacuum Hublock Output Engaged, Converter Pressure Control, 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, Crash Signal, Cruise Control Lamp, CW Relay, DC To DC Converter Enable, Delayed Accessory Power, Demand Lighting, Desired Camshaft Angle For All Banks, Desired Engine Cooling Fan Speed, Desired Fuel Rail Pressure, Desired Generator Voltage, Desired Idle Speed (Rpm), Desired Line Pressure Control, Desired Wastegate Control Vacuum, Dimmer Switch Input Status, Dimming Control Command, Door Ajar Warning Indicator, Door Lock, Driver Door Interior Lock-Unlock Latching Switch Status, Driver Door Unlock, Driver Heated Seat, ECO Mode, EGR Valve Position Desired, Eject Button, Electric Transmission Fluid Pump Control Duty Cycle - Commanded, Engine Coolant Bypass Valve Control Output, Engine Coolant Bypass Valve -D- Commanded to be Energized, Engine Coolant Bypass Valve -D- Output Status, Engine Coolant Pump Speed - Commanded, Engine Coolant Temperature, Engine Coolant Temperature Gauge, Engine Oil Pressure Control Duty Cycle - Commanded, Engine Over Temperature Light, Engine Revolutions Per Minute, Engine Running Fuel Injector Control, Engine Running Fuel Pressure Test, Enter Button, EVAP Canister Vent Valve, EVAP LDP Vac Sw Valve - Change Over From Vent To LDP, EVAP Leak Test, EVAP

Purge/Vent Control, EVAP Vapor Blocking Valve, Evaporative Emission Canister Purge Valve Duty Cycle, Evaporative Emission Canister Vent Valve, Evaporative System Leak Detection Pump Commanded State, Exhaust Heat Exchanger Bypass Valve A Control Signal Duty Cycle, Fan Speed Desired, Firm Shift, Floor Lamp Output Circuit, FM Button, Fog Lamp, Forward Pedal Position Control, Four Wheel Drive Clutch Output, Front Blower Relay, Front Fog Lamp Indicator, Front Fog Lamps Request, Front Left Fog Lamp, Front Left-Front Right Traction Control Isolation Valve 1, Front Left-Front Right Traction Control Supply 1, Front Motor Down, Front Motor Up, Front Park Lamps Output, Front Right Fog Lamp, Front Window Down Output, Front Window Up Output, Fuel Fill Door Unlock Output - Commanded To Enable State, Fuel Gauge Indicator Control, Fuel Gauge Indicator Control %, Fuel Gauge Indicator Control On/Off, Fuel Pump, Fuel Pump - Duty Cycle, Fuel Pump Relay, Fuel Rail Pressure Desired, Fuel System Test - Low Pressure, Fuel Volume Control Valve, Gear Command By Output State Control, General Warning Amber, General Warning Red, Generator Lamp, Generator Voltage Desired, Generator Voltage Set Point, Grill Shutter A Position - Commanded, Hazard Lamp, Headlamp Position - Left, Headlight Switch Mode, Heated Backlight Relay, Heater Control For HO2S 11 And HO2S 21, Heater Control For HO2S 12 And HO2S 22, Heating Element Status/Control, HEV Ready Light, High Beam Indicator, High Pressure Fuel System Test, High Speed Engine Cooling Fan Control, Hill Descent Control, Horizontal Motor Backward, Horizontal Motor Forward, Horn, Horn Relay, Hybrid-EV Traction Battery Thermal System Operational Levels, Hybrid-EV Wake Up - Commanded, Hydraulic Pump Motor, Ignition Run / Accessory Output Control, Ignition Run / Start Output Control, Info (Information) Button, Instrument Illumination, Intake Manifold Runner Control, Interior Lighting Circuit, Internal Voltage Boost Circuit State, Key (Removal) Inhibit, Key Pad Back Lighting, Keypad Lamp Output Status, KOEO Self Test, KOER Glow Plug Self Test, KOER Self Test, Lamp Control, LED Backlighting, Left Blend Door Position, Left Bottom Bolster Bladder Inflate Status, Left Climate Seat Mode, Left Cursor Down Arrow, Left Cursor Left Arrow, Left Cursor OK Button, Left Cursor Right Arrow, Left Cursor Up Arrow, Left Front, Left Front Brake Pressure, Left Front Defrost Output, Left Front Dump, Left Front Fog Lamp, Left Front Inlet Valve, Left Front Isolation Valve, Left Front Mirror Turn Signal Lamp Status, Left Front Outlet Valve, Left Front Position-Sidemarkers, Left Front Turn Lamp Output Status, Left Front Turn Signal Lamp, 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 Front-Right Rear Traction Control Supply 1, Left Front-Right Rear Traction Control Valve 1, Left Hand High Beam Circuit, Left Head Lamp High, Left Headlamp High Beam, Left Headlamp Low Beam, Left Rear Dump, Left Rear Inlet Valve, Left Rear Isolation Valve, Left Rear Outlet Valve, Left Rear Traction Control Valve, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Seat Back Heating Control, Left Seat Back Heating PWM Control, Left Seat Cooling PWM Control, Left Seat Cushion Heating Control, Left Seat Cushion Heating PWM Control, Left Side Bolster Bladder Inflate Status, Left Stop Lamp, Left Turn Signal Lamp Status, Liftgate Release, Liftgate Release Output Status, Liftgate-Decklid Release Output Status, Liftglass Trunk Release, Lights On Warning, Line Pressure Control Desired, Line Pressure Control Measured In Current, Load Shed Output Control, Low Beam Circuit Status Left Front, Low Beam Circuit Status Right Front, Low Fuel Warning Indication, Low Pressure Fuel Leakdown Test, Low Speed Engine Cooling Fan Control, Low Washer Fluid Warning, Lower Lumbar Bladder Inflate Status, Luggage Compartment Unlock, Malfunction Indicator Lamp, Max Defrost, Memory Recall Indicator (LED), Menu Button, Mid-Lumbar Bladder Inflate Status, Mirror Fold In Output, Mirror Fold Out Output, Mirror Puddle Lamps, Motor Electronics Coolant Pump, Next-Last (>|) Button, O2 Sensor 1 For All Banks Commanded To Heat, O2 Sensor 2 For All Banks Commanded To Heat, Oil Pressure Low Indicator, Oil Pressure Warning Lamp, On Demand Test, One Touch Start Status, One-Touch Start Status, Output, Output State Control Of Torque Converter, Over Drive (O-D) off, Over Drive Off, Park Brake Applied Lamp, Parking Lamp, Passenger Heated Seat, PCM WAKEUP LINE, PCM Wake-Up Output Control, Phone Button, Power Balance, Power Button, Power Fold Mirror Activation Status, Power Point Output Relay, Power Supply A, Power Supply B, Preset 0 Button, Preset 1 Button, Preset 2 Button, Preset 3

Button, Preset 4 Button, Preset 5 Button, Preset 6 Button, Preset 7 Button, Preset 8 Button, Preset 9 Button, Pressure Control Solenoid A, Pressure Transducer, Primary Low Pressure Supply Valve, PWM Output Control Command #1, Rear (Hvac) Mode Control Input, Rear Blower Control, Rear Defrost (Heated Backlight), Rear Fog Lamp Indicator, Rear HVAC Mode Control Input, Rear Left-Rear Right Traction Control Isolation Valve 2, Rear Left-Rear Right Traction Control Supply 2, Rear Locking Diff Output Duty Cycle (Optional), Rear Only Dump Valve, Rear Only Isolation Valve, Rear Park Lamps Output, Rear Stop Lamp, Rear Temperature Flap Position, Rear Window Defog Indicator, Rear Window Down Output, Rear Window Up Output, Recirculation Door Command, Recline Motor Backward, Recline Motor Forward, Relative Compression, Reverse Lamp, Right Blend Door Position, Right Bottom Bolster Bladder Inflate Status, Right Climate Seat Mode, Right Front, Right Front Brake Pressure, Right Front Defrost Output, Right Front Dump, Right Front Fog Lamp, Right Front Inlet Valve, Right Front Isolation Valve, Right Front Mirror Turn Signal Lamp Status, Right Front Outlet Valve, Right Front Position-Sidemarker, Right Front Turn Lamp Output Status, Right Front Turn Lamp State, 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 Front-Left Rear Traction Control Supply 2, Right Front-Left Rear Traction Control Valve 2, Right Head Lamp High, Right Head Lamp-Low, Right Headlamp High Beam, Right Headlamp Low Beam, Right Rear Dump, Right Rear Inlet Valve, Right Rear Isolation Valve, Right Rear Outlet Valve, Right Rear Traction Assist Valve, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Seat Back Heating Control, Right Seat Back Heating PWM Control, Right Seat Cooling PWM Control, Right Seat Cushion Heating Control, Right Seat Cushion Heating PWM Control, Right Side Bolster Bladder Inflate Status, Right Stop Lamp, Right Turn Signal Lamp Status, Run-Accessory Output Control, Run-Start Output Control, Safety Belt Warning Lamp, SCR Dosing Quantity Measurement Test, Seat Bladder Pump Status, Seat Cooling Control - Left, Seat Cooling Control – Right, Seat Cushion Bladder Inflate Status 1, Seat Cushion Bladder Inflate Status 2, Seat Cushion Bladder Inflate Status 3, Seat Cushion Bladder Inflate Status 4, Secondary Low Pressure Feed Valve, Seek Left Button, Seek Right Button, Shift Solenoid A, Shift Solenoid F Commanded Current, Shift Solenoid G 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, Side Light Lamp, Side Mirror Heating Output Control, Side Mirror Turn Signal Lamp Control, Side-Marker Lamp, Smart Window Control, Sounder Output, Spark Advance, Spark Advance - Control State, Speaker - Left Front, Speaker - Left Rear, Speaker - Right Front, Speaker - Right Rear, 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 Command Switch, Speed Control Gap Switch, Speed Control On-Off Cancel Switch, Speed Control On-Off Switch, Speedometer, Speedometer %, Speedometer Gauge Indicator Control, Speedometer Gauge Indicator Control On/Off, Stability Control Active Indicator, Start Button Mode Indicator Control, Starter Motor Control Output Detected, Steering Column Movement, Steering Column Tilt, Steering Wheel (-) Menu Button, Steering Wheel (-) Seek Button, Steering Wheel (-) Volume Button, Steering Wheel (+) Menu Button, Steering Wheel (+) Seek Button, Steering Wheel (+) Volume Button, Steering Wheel End Button, Steering Wheel Media Button, Steering Wheel Mode Button, Steering Wheel Mute Button, Steering Wheel OK Button, Steering Wheel Phone Button, Steering Wheel Send Button, Steering Wheel Voice Button, Stepper Motor EGR Position - Control State, Stop-Start, Subwoofer Speaker Status, Tachometer, Tachometer Gauge Indicator Control, Tachometer On/Off, Temperature Gauge, Temperature Gauge Deg, Temperature Gauge On/Off, Tire Pressure Monitoring System Indicator, Tire Pressure Telltale Status, Tone Button, 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, Transfer Case Shift Motor Pos Sense - Contact Plate Power Stat , Transmission System MIL Fault, Turbo Boost Gauge Pointer Placement Command, Turbocharger Bypass Valve 1, Turbocharger Wastegate,

Turbocharger Wastegate Control, Upper Lumbar Bladder Inflate Status, Vacuum Pump Status, Variable Camshaft Timing Exhaust Angle Desired, Variable Camshaft Timing Intake Desired Angle, Vehicle Mode, Voltmeter Pointer Placement Command, Volume, Volume Adjustment Program, Warning Lamp Status 1 - Charge Warning, White Lighting Circuit, White Lighting Reflective Controls Illumination Output, Wiper Heater Output, Wrench Telltale Indicator, 4wd Mode Lamp Status

General Motors Coverage

- Added coverage for 306 new system applications

118 new Adjustment type special tests:

Adaptive Pressure Control Learn, Ambient Air Temperature Calculation Reset, Automated Brake Bleed, Automatic Headlamp Leveling Sensor Learn, AWD Disabled-by-Malfunction Counter Reset, Backup Battery Timer Reset, BARO Sensor Reset, Brake Pedal Position Sensor Learn, Brake Pressure Sensor Calibration, Brake System Plunger Motor Position Sensor Learn, Brake System Plunger Pressure Rise Starting Point Learn, CAN Bus Configuration Learn, Cancel Camera Learn, Catalyst, Catalyst 1 Reset, Clear Disable History Data, 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, Control Module Reset, Copy And Paste TPM Information, Crankshaft Pos Variation Learn, Crankshaft Position Reluctor Ring Learn, DPF Pressure Sensor Reset, DPF Service Regeneration, DPF/Catalyst 2 Reset, Engine Block Coolant Valve Position Learn, Engine Coolant Control Valve Learn, Engine Coolant Pump Data Reset, Engine Oil Life Reset, Exhaust After Treatment Fuel Injector Reset, Exhaust Flow Control Valve Learn, Exhaust Gas Temperature Sensor Reset, Fuel Filter Life Reset, Fuel Injection Small Quantity Data Reset, Fuel Injection Small Quantity Learning Odometer Reset, Fuel Pump Driver Control Module Configuration, Fuel Pump Trim Reset, Fuel Rail Pressure Relief Valve Learned Values Reset, Fuel Trim Reset, Hands-Free Liftgate Sensor Control Module Calibration, Heated Oxygen Sensor Heater Resistance Learned Values Reset, HO2S Heater Learn, HO2S Learned Values Reset, HVAC Actuators Learn, HVAC Afterblow Configuration, Idle Learn Reset, Info Display/Infotainment Faceplate Reset, Intake System Learned Values Reset, Invalidate All Fobs, Learned Values Reset, License Compliance Materials Download Error Counter Reset, Liftgate Maximum Open Position Learn, NOx Absorber Catalyst Data Reset, NOx Absorber Catalyst Reset, NOx Catalyst Reductant Loading Reset, NOx Catalyst Reset, NOx Sensor 1 Reset, NOx Sensor 2 Reset, O2 Heater Resistance Reset, Park Brake Calibration, Particulate Filter Service Regeneration, Particulate Matter Sensor Service Regeneration, Passenger Presence Sensor Learn, Plug Learn, Power Steering Pressure Sensor Learn, Power Steering Softstops Learn, Power Steering Softstops Reset, Prime Fuel Pump, Program Key Fob 1, Program Key Fob 2, Program Key Fob 3, Program Key Fob 4, PTO Options, Radio Favorites Reset, Range Actuator Correlation Learn, Range Actuator Learn, Rear Differential Hydraulic System Service Bleed, Reductant Fluid Tank Level Reset, Reductant System Data Reset, Reset High Voltage Disable Request After Crash Event Detected, Reset History Buffer, Reset Teen Driver Key PIN, RVS Disable History Reset, Setup SDM Part Number In BCM, Steering Gear Learned Values Reset, Steering Gear Replacement Procedure, Steering Wheel Angle Sensor Centering, Steering Wheel Angle Sensor Learn, Steering Wheel Angle Sensor Offset Calibration, Steering Wheel Angle Sensor Reset, Throttle Body Idle Air Flow Compensation Reset, Timing Belt Life Reset, Tire Pressure Reset, Tire Pressure Sensor Registration, Tire Pressure Sensor Signal Reset, Tire Type/Pressure Selection, Transmission Adaptive Pressure Reset, Transmission Clutch 1 Volume Learn, Transmission Clutch 2 Return Spring Learn, Transmission Clutch 2 Volume Learn, Transmission Clutch 3 Return Spring Learn, Transmission Clutch 3 Volume Learn, Transmission Clutch 4 Return Spring Learn, Transmission Clutch 4 Volume Learn, Transmission Clutch 5 Return Spring Learn, Transmission Clutch 5 Volume Learn, Transmission Service Fast Learn, Turbocharger Learned Values Reset, Turbocharger

Wastegate Learn, Vehicle Dynamic Sensor Offset Calibration, Vehicle Longitudinal Accelerometer Sensor Learn, Yaw Rate Sensor Learn, Configure New Module

402 new Actuation type special tests:

A/C Compressor Clutch, A/C Relay, ABS Left Front Solenoid Valves, ABS Left Rear Solenoid Valves, ABS Pump Motor, ABS Right Front Solenoid Valves, ABS Right Rear Solenoid Valves, AC Compressor Solenoid Valve, Accent Lighting 1, Accent Lighting 2, Accessory Power Mode Indicator, Accessory Power Relay, Accessory/RAP Relay, Accessory/Retained Accessory Power Relay, Active Grill Air Shutter 1, Active Grill Air Shutter 2, Active Grill Air Shutter System, Active Grill Shutter Test, Active Grille Air Shutter, Active Grille Air Shutter 2, Air Cleaner Monitor Setup, Air Recirculation Door Motor Direction, All Door Lock Unlock, All Indicators, Assist Step Motor, ATC Neutral Indicator, ATC Range, Audio Source Control, Autostart/Autostop, Auxiliary Coolant Pump, Auxiliary Ignition Run Relay, Auxiliary Transmission Fluid Pump, Backup Lamps, Blower Motor Speed, Brake Hydraulics Test, Brake Transmission Shift Interlock Solenoid Actuator, Camshaft Position Actuator, Cargo Lamp, CD, Center Brake Lamp, Central Stop Lamp, Charge Air Cooler Coolant Pump, CMP Actuator Solenoid, Compression Test, Cooling Fan, Cooling Fan 2, Cooling Fan 3, Cooling Fan Motor, Courtesy Lamps, Crankcase Ventilation Heater, Cylinder 1, Cylinder 1 Injector Flow Identifier, Cylinder 2, Cylinder 2 Injector Flow Identifier, Cylinder 3, Cylinder 3 Injector Flow Identifier, Cylinder 4, Cylinder 4 Injector Flow Identifier, Cylinder 5, Cylinder 5 Injector Flow Identifier, Cylinder 6, Cylinder 6 Injector Flow Identifier, Cylinder 7, Cylinder 8, Cylinder Deactivation, Cylinder Deactivation Performance Test, Cylinder Deactivation System, Cylinder Power Balance, Daytime Running Lamps, Depressurize Fuel System, Detection Alert Indicators, Display Dimming, Display Test, Door Dead Lock Lock/Unlock, DPF Regeneration Enable, Driver Information Center Segments, Driver Mirror Fold, Driver Mirror Movement, Driver Seat Back Horizontal Movement, Driver Seat Cushion Front Vertical Movement, Driver Seat Cushion Left Rear Haptic Movement, Driver Seat Cushion Rear Vertical Movement, Driver Seat Cushion Right Rear Haptic Movement, Driver Seat Horizontal Movement, Driver Window Motor, EGR Cooler Bypass Valve, EGR Valve, EGR Valve 2, Engage Front Axle, Engine Block Coolant Valve, Engine Controls Ignition Relay, Engine Controls Ignition Supply Voltage, Engine Coolant Control Valve Mode, Engine Coolant Control Valve Position, Engine Coolant Fill, Engine Coolant Flow Control Valve Position, Engine Coolant Pump, Engine Coolant Pump Relay, Engine Cooling Fan, Engine Cooling Fan 2, Engine Mount Actuator Output 1, Engine Mount Actuator Output 2, Engine Oil Pressure Control Solenoid Valve, Engine Oil Pressure Control Valve, Engine Oil Type Setup, Engine Speed, Engine Speed Control, Erase Valet Mode Code, EVAP Canister Purge Valve, EVAP Purge Pump, EVAP Purge Solenoid, EVAP Purge Solenoid Valve, EVAP Purge/Seal, EVAP Service Bay, EVAP Service Bay Test, EVAP Vent Solenoid, Evaporative Emission Canister Vent Valve, Exhaust Aftertreatment Fuel Injector, Exhaust Aftertreatment Fuel Injector Flow Test, Exhaust Camshaft Position Actuator, Exhaust Camshaft Position Actuator Bank 1, Exhaust CMP Actuator, Exhaust CMP Actuator Solenoid 1, Exhaust CMP Actuator Solenoid Bank 1, Exhaust Control Valve Position, Exhaust Flow Control Valve System, Exhaust Gas Recirculation, Exterior Driver Door Handle Switch, Exterior Left Rear Door Handle Switch, Exterior Passenger Door Handle Switch, Exterior Right Rear Door Handle Switch, Fog Lamps, Forward Collision Alert Switch, Front Axle Differential Lock High Control Relay, Front Axle Differential Lock Indicator, Front Axle Differential Lock Low Control Relay, Front Fog Lamps, Fuel Control Loop Status, Fuel Fired Heater, Fuel Injector Balance, Fuel Pressure, Fuel Pressure Control, Fuel Pressure Control - Regulator 1, Fuel Pressure Control - Regulator 2, Fuel Pressure Regulator, Fuel Pressure Regulator 1, Fuel Pressure Regulator 2, Fuel Pump, Fuel Pump 2 Relay, Fuel Pump Enable, Fuel Rail Pressure, Fuel System High Pressure Test (Engine Runs), Fuel Transfer Pump, Fuel Trim Enable, GEN L-Terminal, Generator Regulator Setpoint, Glow Plug, Glow Plug Self-Test, Glow Plugs, Green Indicator, Headlamp Leveling Motors, Head-Up Display Dimming Level, Head-Up Display Pattern Check, Heater Core Pump, High Beam, High Beams, High Fuel Pressure Limiter Valve Test, High Side Driver 1, High Side Driver 2, HO2S Bank 1 Sensor 1 - Heater, HO2S Bank 1 Sensor 2

- Heater, HO2S Bank 2 Sensor 1 - Heater, HO2S Heater Sensor 1, HO2S Heater Sensor 2, Horn Relay, Ignition Timing Retard, Illuminate All Indicators, Inadvertent Load, Incandescent Dimming, Info Display Dimming, Info Display Test, Instrument Cluster Dimming, Instrument Cluster Gauge Sweep, Instrument Panel Illumination, Intake Air Flow Valve Motor, Intake Air Flow Valve Position, Intake Camshaft Position Actuator, Intake Camshaft Position Actuator Bank 1, Intake Camshaft Position Actuator Position, Intake CMP Actuator Solenoid, Intake Manifold Runner Control Valve, Intake Manifold Runner Control Valve Actuator, Key Fob Button Test, Lane Departure Warning Indicator, Lane Departure Warning Switch, Lane Departure Warning Switch , LED Backlight Dimming, Left Auxiliary Tail and Stop Lamp, Left Cornering Lamp, Left Dedicated Daytime Running Lamp, Left Exterior Flood Lamp, Left Front Brake Pressure Test, Left Front Corner, Left Front Shock Absorber Actuator, Left Front Turn Lamp, Left Front Turn Signal Lamp, Left Headlamp Low Beam, Left Headlamp Vertical Motor, Left Park Brake Actuator, Left Park Lamps, Left Rear Auxiliary Turn Signal Lamp, Left Rear Brake Pressure Test, Left Rear Shock Absorber Actuator, Left Rear Turn Signal/Brake Lamp, Left Rear Window Motor, Left Tail Lamp, Left Temperature Door Motor Direction, Left Trailer Tail Lamp, Left Trailer Turn Signal Lamp, Left Trailer Turn Signal/Stop Lamp Command, License Plate Lamps, Lift Gate Module Open/Close Test, Line PC Solenoid, Line Pressure Control Solenoid Valve, Loop Status, Low Beams, Low Temperature Loop Coolant Pump, LR Turn Signal, Lumbar Forward/Backward, Lumbar Up/Down, MAF Sensor Supply Voltage, Malfunction Indicator Lamp, Mass Airflow Sensor, Master Cylinder Pressure Test Data, Misfire Graph, Mode Door Position, Next Available Slot, O2 Sensor Heater Bank 1 Sensor 1, O2 Sensor Heater Bank 1 Sensor 2, O2 Sensor Heater Bank 2 Sensor 1, O2 Sensor Heater Bank 2 Sensor 2, Oxygen Sensor 1-1 Heater, Oxygen Sensor 1-2 Heater, Oxygen Sensor 2-1 Heater, Oxygen Sensor 2-2 Heater, Parking Assist Switch LED, Parking Lamps, Passenger Air Bag Off Indicator, Passenger Air Bag On Indicator, Passenger Mirror Fold, Passenger Mirror Movement, Passenger Seat Back Horizontal Movement, Passenger Seat Belt Reminder Indicator, Passenger Seat Belt Tension Sensor, Passenger Seat Cushion Front Vertical Movement, Passenger Seat Cushion Rear Vertical Movement, Passenger Window Motor, PC Solenoid 2, PC Solenoid 3, PC Solenoid 4, PC Solenoid 5, Phone Call Test, Pickup Bed Cargo Lamp, Pressure Control Solenoid Valve, Pressure Control Solenoid Valve 2, Pressure Control Solenoid Valve 4, Pressure Control Solenoid Valve 5, Pump Motor, Radio Tuner AM Frequency, Radio Tuner FM Frequency, Range Actuator, Range Actuator Lock, Read LIN Bus Device ID Information, Rear Axle Differential Lock High Control Relay, Rear Axle Differential Lock Indicator, Rear Axle Differential Lock Low Control Relay, Rear Brake Caliper Piston Extend, Rear Brake Caliper Piston Retract, Rear Cross Traffic Audible Alert, Rear Defrost, Rear Differential Clutch Solenoid Valve, Rear Differential Hydraulic Line Fill, Rear Fog Lamp, Rear Washer Relay, Rear Wiper, Rearview Camera Display, Red Indicator, Reductant Heater 1, Reductant Heater 2, Reductant Heater 3, Reductant Injection Quantity Test, Reductant Injector, Reductant Pump, Reductant System Leak Test, Reductant System Malfunction Warning Service Bay Test, Reductant System Tamper Warning Service Bay Test, RF Turn Signal, Right Auxiliary Tail and Stop Lamp, Right Cornering Lamp, Right Dedicated Daytime Running Lamp, Right Exterior Flood Lamp, Right Front Brake Pressure Test, Right Front Shock Absorber Actuator, Right Front Turn Signal Lamp, Right Headlamp Low Beam, Right Headlamp Vertical Motor, Right Park Brake Actuator, Right Park Lamps, Right Rear Auxiliary Turn Signal Lamp, Right Rear Brake Pressure Test, Right Rear Shock Absorber Actuator, Right Rear Turn Signal/Brake Lamp, Right Rear Window Motor, Right Tail Lamp, Right Temperature Door Motor Direction, Right Trailer Tail Lamp, Right Trailer Turn Signal Lamp, RR Turn Signal, Run Crank Relay, Run/Start Power Mode Indicator, Seat Back Side Bolster Movement, Seat Forward/Backward, Security Indicator, Sensor Supply Voltage, Sensor Supply Voltage Relay, Shift Lock Solenoid, Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid Valve, Shift Transmission, Shift Transmission Gear, Spark Retard, Speech Recognition, Starter Drive, Starter Motor, Starter Motor Relay, Starter Pinion Solenoid Actuator Relay, Starter Relay, Steering Column Telescope In, Steering Column Telescope Out, Steering Column Tilt Down, Steering Column Tilt Up, Stop Lamp, Suspension Position Sensor Trim Height, TAC Motor, TC Wastegate Solenoid, TCC Control Solenoid, TCC Pressure

Control Solenoid Valve, TCC Pressure Control Solenoid Valve - Dynamic Test, TCC Pressure Control Solenoid Valve - Static Test, Throttle Position, Throttle Sweep, Torque Converter Clutch, Traction Control Left Front Solenoid Valves, Traction Control Left Rear Solenoid Valves, Traction Control Right Front Solenoid Valves, Traction Control Right Rear Solenoid Valves, Trailer Backup Lamps, Trailer Brake Duty Cycle, Trailer Brake Relay, Trailer Fog Lamps, Trailer Stop Lamps, Transfer Case Clutch Engagement, Transfer Case Clutch Identifier, Transfer Case Range, Transmission Accumulator Solenoid Valve, Transmission Clutch Learn Status, Transmission Control Solenoid Valve 1, Transmission Control Solenoid Valve 1 Current, Transmission Control Solenoid Valve 10, Transmission Control Solenoid Valve 2, Transmission Control Solenoid Valve 2 Current, Transmission Control Solenoid Valve 3, Transmission Control Solenoid Valve 3 Current, Transmission Control Solenoid Valve 4, Transmission Control Solenoid Valve 4 Current, Transmission Control Solenoid Valve 5, Transmission Control Solenoid Valve 5 Current, Transmission Control Solenoid Valve 6, Transmission Control Solenoid Valve 6 Current, Transmission Control Solenoid Valve 7, Transmission Control Solenoid Valve 7 Current, Transmission Control Solenoid Valve 8, Transmission Control Solenoid Valve 8 Current, Transmission Control Solenoid Valve 9, Transmission Cooling Fan Duty Cycle, Transmission Park Valve Lock Solenoid Actuator, Transmission Range, Turbocharger Bypass Solenoid Valve, Turbocharger Vane Position, Turbocharger Vane Position Actuator, Turbocharger Wastegate Position, Vehicle Level Control Compressor Relay, Vehicle Level Control Exhaust Valve, Wait to Start Indicator, Wastegate Actuator, Window Lockout Switch Indicator, Windshield Washer Relay, Windshield Wiper Motor Relay, Wiper Washer Motor, Lane Departure Warning Indicator

New Coverage – USA Asian

Honda/Acura Coverage

- Added coverage for 35 new system applications

30 new Adjustment type special tests:

After a Vehicle Collision, After Replacing Front Passenger Seat Components, ODS Unit Initialization, OPDS Initialization, Pop Up Hood(PUH) Calibration, SWS Initialization, Air Bleeding For Repair(ABS), Air Bleeding For Repair(TCS), All Sensor Calibration, Brake Pad Maintenance Mode, Sensor Calibration Test, The Wheel Size Setup For Indirect TPMS, Reset Of Assistant Side Window Position, Reset Of Driver Side Window Position, Reset Of Rear Left Side Window Position, Reset Of Rear Right Side Window Position, EPS Steering Angle Sensor Value Clear, EPS Steering Sensor Value Clear, Torque Sensor Learn, Crank Pattern Clear, Crank Pattern Learning., ECM/PCM Reset, ATF Reset, Customize Reset, Engine Oil Life Reset, Reset Of Assistant Side Window Position, Reset Of Driver Side Window Position, Reset Of Rear Left Side Window Position, Reset Of Rear Right Side Window Position, Pop Up Hood(PUH) Calibration, SWS Initialization, Tire Pressure Sensor Registration With Activation Tool, Tire Pressure Sensor Registration, CVT Oil Pressure Learn Reset, Replace TCM/PCM, Stroke Sensor Learning

348 new Actuation type special tests:

A/C Clutch, ABS Brake Light Relay/TSA Relay Test, ABS ESS Forced Indication, ABS Solenoid Test, ABS VSA Test, ACC Alarm Test, ACC Brake Actuator, ACC Indicator Light, ACC Information Display, ACC Relay, Accessory, ADJ Motor, AFS Reflector, Air Bypass Valve Control Solenoid (ABV), All Injectors OFF, Assistant Door Courtesy Light, Assistant Door Mirror Motor Down, Assistant Door Mirror Motor Left, Assistant Door Mirror Motor Right, Assistant Door Mirror Motor Up, Assistant Door Pocket Illumination Light, Assistant Outer Handle Illumination Light, Assistant Remote Switch Illumination Light, Assistant Side Power Window Motor Down, Assistant Side Power Window Motor Up, Assistants Inner Handle

Illumination Light, Auto Lock Cancel Switch, Automatic Headlights, BSI Buzzer Status, BSI Fail Lamp, BSI Indicator On, BSI System Fail, BSI System Status, BSI Unavailable, Buzzer, CARD BATT Indicator Turn On, Cargo Light Drive, Cargo Light Drive UV Only, Charge LID Relay, Clean Left Side Radar, Clean Right Side Radar, Clear History Of Switch device, Climate Ctrl Check, Clutch Pressure Control (Linear) Solenoid A, Clutch Pressure Control (Linear) Solenoid B, Clutch Pressure Control (Linear) Solenoid C, Clutch Pressure Control (Linear) Solenoid D, Clutch Pressure Control Solenoid A, Clutch Pressure Control Solenoid B, Clutch Pressure Control Solenoid C, CMBS Brake, Communication Status Check, Communication Using Cabin Front Antenna, Communication Using Cabin Middle Antenna, Communication Using Cabin Rear Antenna, Communication Using Driver Antenna, Communication Using Front Passenger Antenna, Communication Using Rear Driver Antenna, Communication Using Rear Passenger Antenna, Communication Using Trunk Room Antenna, Communication Using Trunk/Tailgate Antenna, Cruise Control Cancel History, CS FS Antenna, CTM Buzzer Status, CTM System Fail, CTM System Status, Daytime Running Light (Canada), Daytime Running Light Output, Daytime Running Light Relay, DC Output Cabin Front Antenna, DC Output Cabin Middle Antenna, DC Output Cabin Rear Antenna, DC Output Driver Antenna, DC Output Front Passenger Antenna, DC Output Rear Driver Antenna, DC Output Rear Passenger, DC Output Trunk Room Antenna, DC Output Trunk/Tailgate Antenna, Detect Equipped Honda Body Systems, Display Card Batt, Display Do not have key, Display No Card, Door Lock, Door Lock Without Answer Back, Door Unlock Without Answer Back, Driver Door Courtesy Light, Driver Door Lock Unlock Actuator, Driver Door Mirror Motor Down, Driver Door Mirror Motor Left, Driver Door Mirror Motor Right, Driver Door Mirror Motor Up, Driver Door Pocket Illumination Light, Driver Door Power Window Motor - Down, Driver Door Power Window Motor - Up, Driver Inner Handle Illumination Light, Driver Outer Handle Illumination Light, Driver Rear Door Courtesy Light, Driver Remote Switch Illumination Light, Driver Side Power Window Motor Down, Driver Side Power Window Motor Up, DRL Relay, DUAL Indicator, DWS/Indirect TPMS Parameter Configuration Message, EGR Tests, Electric Current of Linear Solenoid CPC, Electric Current of Linear Solenoid DN, Electric Current of Linear Solenoid DR, Electric Current of Linear Solenoid SC, Engine Running Injector Kill Test, EU DRL, EVAP Solenoids Test, EXT F (Cabin Front Antenna), EXT FR AS (Passenger's Antenna), EXT FR DR (Driver's Antenna), EXT INTTRUNK (Trunk Room Antenna), EXT M (Cabin Middle Antenna), EXT R (Cabin Rear Antenna), EXT RR AS (Passenger Side Rear Passenger's Antenna), EXT RR DR (Driver Side Rear Passenger's Antenna), EXT RT (Cabin Rear Tray Antenna), EXT Side-Glass AS (Side-Glass Passenger Antenna), EXT Side-Glass DR (Side-Glass Driver Antenna), EXT TR (TRUNK Or TAIL-GATE Antenna), Exterior BUZZER, Exterior Buzzer Output, Exterior Buzzer Output (Short Time), Exterior Buzzer Output(Long Time), Fail Wipe Signal, FCAN Authorized Flag, FI Wakeup, Flash Left Side Indicator, Flash Right Side Indicator, Floor Light, Foot Light, Forced Control Of Electric Current Of Linear Solenoid D, Forced Control Of Lockup Clutch, FR DEICER RLY, FR-DEF Indicator, Front Center Detection Result, Front Defroster Relay, Front Detection Sound Request, Front Display - Backlight, Front Fog Light, Front Left Detection Result, Front Panel Module, Front Right Detection Result, Front Washer Motor, Front Wiper High Speed, Front Wiper Low Speed, Front Wiper Motor (High), Front Wiper Motor (Low), Frontal Crash Detection Signal Output, Fuel Lid, Fuel Pump OFF, Fuel Pump ON, G/Box Relay, Gate Light, Gear Shift, Glass Hatch Open, Green LED, Hazard Flashers, Hazard Relays, Head Light, Head Light (High), Head Light High, Head Light Low, Headlight Backup, Headlight Cleaner, Headlight Washer Motor, High Wipe Signal, Horn, IGNCONT Line, Ignition Key Light, IGNTRX Line, IGNTRX Line Turn To Low Level, Immobilizer Indicator Turn On, Immobilizer Lamp, IMOCONT Line, IMS1 Output, IMS2 Output, IMT(IMRC) Activation, IMT(IMRC) Test, Indicator, Initiator Operation Check, Intake VTC Test, Interior Buzzer Output, Interior Light, Interior Light Cut, Interior Small Light, Intermittent Wipe Signal, ISO Warning Light, Key Switch Out Line Turn To On, Keyless Buzzer, keyless Check, Left And Right Parking Actuator Control, Left BSI Radar Unavailable, Left Front CAS Solenoid, Left Front Pulser, Left Front Solenoid, Left Front TCS Solenoid, Left Front VSA Solenoid, Left Rear Power Window Motor - DOWN, Left Rear Power Window Motor - UP, Left Rear Power Window Motor Down,

Left Rear Power Window Motor Up, Left Rear Pulser, Left Rear Solenoid, Left Rear VSA Solenoid, Left RR Slide Relay, Left Side Indicator, Left Slide Actuator, Left Sliding Door Lock, Left Sliding Door Unlock, Left Turn Signal Lamp, LF Tire Air Low Indicator, Lights Off Using Backup Line, Lights On Using Backup Line, LIN Washer, LIN Wiper Assembled Position Operation, Lock Actuator, Lock/Unlock All Doors, Lockup Clutch, Low Wipe Signal, LR Tire Air Low Indicator, MA EPS CONTROL ON/OFF, MA EPS Switching, Maintenance Position Front Wiper, Map Light Off, Memory Indicator 1, Memory Indicator 2, Memory Seat Indicator 1, Memory Seat Indicator 2, Memory Switch Illumination Light, Meter Buzzer, Navigation LCD Display Segment, No CARD Indicator Turn On, No Rain Condition Signal, No Wipe Signal, Occupied Signal Output, Off-Board EVAP Test (Level 2) Support, Parking Lights, Passenger Door Power Window - Down, Passenger Door Power Window - Up, Passenger Rear Door Courtesy Light, Power Window Relay, Power Window RLY Rr, Pressure Test Assistance mode, Puddlelt, Purge Cut Solenoid (PCS) - Close, Purge Sol Cut Solenoid (PCS) - Open, Purge Sol=Close, Purge Sol=Open, Radiator Fan, Rain Condition Signal, Rear Assistant Door Courtesy Light, Rear Blower, Rear Center Detection Result, Rear Defroster, Rear Defroster RLY, Rear Detection Sound Request, Rear Driver Door Courtesy Light, Rear Fog Lamp, Rear Left Detection Result, Rear Left Door Courtesy Light, Rear Left Inner Handle Illumination Light, Rear Right Detection Result, Rear Right Door Courtesy Light, Rear Right Inner Handle Illumination Light, Rear Seat Switch Light, Rear Washer Motor, Rear Wiper Motor, RECIRC Indicator, Red LED, RF Tire Air Low Indicator, RF1 RXVCC, RF1 TXD Line, RF1 TXVCC, RF2 RXVCC, RF2 TXD Line, RF2 TXVCC, RF2 Unit RXVCC Power On, Right BSI Radar Unavailable, Right Front Pulser, Right Front Solenoid, Right Front VSA Solenoid, Right Rear Power Window Motor - DOWN, Right Rear Power Window Motor - UP, Right Rear Power Window Motor Down, Right Rear Power Window Motor Up, Right Rear Pulser, Right Rear Solenoid, Right Rear VSA Solenoid, Right RR Slide Relay, Right Side Indicator, Right Slide Actuator, Right Turn Signal Lamp, RR Tire Air Low Indicator, RR-DEF Indicator, Security Indicator, Security Net Line Turn To Low Level, Self Check, Self Diag Test, Self-Diagnostic Function, Serial Line Status Check, Shift Lock Solenoid, Shift Solenoid A, Shift Solenoid B, Shift Solenoid C, Shift Solenoid D, Shift Solenoid E , Side or Rear Crash Detection Signal Output, SMART Indicator Turn On, SMART KEY OUT, SMART Lamp, S-Net Line, Solenoid Valve Activation, Starter Switch Light, Sub Throttle, Sunroof Close, Sunroof Open, System Check, Throttle Actuator Control Test, Tire Air Low Indicator, TP Position Check, TPMS Warning Light, Trunk (T/G), TSA Relay Test, Turbo Boost Control Solenoid V, Turn On Left Side Alert, Turn On Right Side Alert, Turn On Right Side Indicator, Unlock Actuator, Unlock Trunk, Upper Park Position Front Wiper, Vent Shut Solenoid Valve (VSV) - Close, Vent Shut Solenoid Valve (VSV) - Open, Vent Sol=Close, Vent Sol=Open, VTEC Solenoid, VTEC Solenoid 1, VTEC Solenoid 2, VTEC Test, Warning Lamp, Warning light activation, Waste Gate Solenoid (WGS), Work LT, ADJ Motor

Hyundai Coverage

2 new Adjustment type special tests:

ACU Variant Coding, SAHLS Sensor Origin Point Setting

102 new Actuation type special tests:

EVP, AAF Control - Close, AAF Control - Open, ACV Open-Close Control, AEWP Control - PWM Type, All Mood Lamp Blue LED Test, All Mood Lamp Green LED Test, All Mood Lamp Red LED Test, All Mood Lamp White LED Test, All Tank Valve Open, Alternator Control, APC Open-Close Control, Auxiliary Fuel Injector for Flexible fuel, Auxiliary Fuel Pump for Flexible fuel, B1, B2, Battery Cool EXV(Electric expansion valve), Battery Cool Valve(Evaporator), BI-Fuel System Fuel Change(GSL to LPG), BI-Fuel System Fuel Change(LPG to GSL), CBV Open-Close Control, CDA Control Solenoid Valve - EX, CDA Control Solenoid Valve - IN, Chageover Valve, Clutch Actuator Position Control, Clutch Actuator Voltage Control, CNG Bi-Fuel Fuel Change, CNG Shut sol valve in Fuel Tank, CPP(Canister Puge Pump) Control,

CTV Open-Close Control, Differential Pressure Valve, DRVM (Driving Rear View Monitor), EHR(Exhaust Heat Recovery) Control, ELCM Change Over Value(COV) Control, ELCM Pump Control, Electric Oil Pump (for HEV), Electric Oil Pump Run, Electrically Controlled Water Pump (Option), EMS Wakeup Output, Engine Clutch Control Solenoid (for HEV), FBV Open-Close Control, FDV Open-Close Control, Flow Stop Valve, Folding, FPS Open Mode, FPV Open-Close Control, Front Tank Valve Open, FSV Open-Close Control, Fuel Pump Control(2nd stage), HICM Activate Diagnostics, High Pressure Fuel Pump Control2, HV PTC OFF, HV PTC ON(Min.), IG3 Control Operation , IGN1 OUTPUT, IGN2 OUTPUT, iMEB Valve Control-Line Split Valve, iMEB Valve Control-Low Press Traction Control Valve, iMEB Valve Control-Low Press Wheel Split Valve, iMEB Valve Control-Pedal Simulator Valve, iMEB Valve Control-Release Control Valve, iMEB Valve Control-Traction Control Valve, iMEB Valve Control-Wheel Split Valve, IR Emitter Communication, ITM Valve, LPG Cut Valve for Fuel Rail, LPG Cut Valve for Fuel Tank, LPG Fuel Pump PWM, LPG Injector Disable Cylinder1, LPG Injector Disable Cylinder2, LPG Injector Disable Cylinder3, LPG Injector Disable Cylinder4, Manually Active Air Flap Close, Manually Active Air Flap Open, MDPS Activation, Mid Tank Valve Open, Motor1, Motor2, OBC Wake up Output, Oil Control Valve - Exhaust Bank2, Oil Control Valve - Intake Bank2, Parasitic Current Auto-Block IPS, Pressure Control Solenoid Valve A(Line Pressure), Pressure Control Solenoid Valve(VFS) A, Rear Tank Valve Open, Refrigerant 2Way Valve - #1 OFF, Refrigerant 2Way Valve - #1 ON, Refrigerant 2Way Valve - #2 OFF, Refrigerant 2Way Valve - #2 ON, Refrigerant 3Way Valve - #1 OFF, Refrigerant 3Way Valve - #1 ON, Refrigerant 3Way Valve - #2 OFF, Refrigerant 3Way Valve - #2 ON, Safety ECU Enable Output (High), TMM Coolant Flow Path Control, Turbo dump(ReCirculation) Valve (RCV), Unfolding, V R PAS Power Out, Variable Exhaust Flap, Variable Oil Pump Solenoid, VVL Control Solenoid Valve - EX, VVL Control Solenoid Valve - IN

Kia Coverage

16 new Adjustment type special tests:

ACU Variant Coding, SAHLS Sensor Origin Point Setting, DCT Learning Function, Additive Correction for all O2 Sensor Heaters, Additive Correction for O2 Sensor Heaters B1S1, Additive Correction for O2 Sensor Heaters B1S2, Multiplicative Injection Time Correction for All Cylinders, Multiplicative Injection Time Correction for Cylinder1, Multiplicative Injection Time Correction for Cylinder2, Multiplicative Injection Time Correction for Cylinder3, Multiplicative Injection Time Correction for Cylinder4, Purge Solenoid Valve Opening Additive Correction, Resetting Adaptive Values, Write VIN, Steering Angle Sensor (SAS) Calibration, WCT Reprogram

467 new Actuation type special tests:

EVP, (LED) DRL Lamp LH, (LED) DRL Lamp RH, 3rd Row Center SBR Center Indicator, 3rd Row SBR Left Indicator(Option), 3rd Row SBR Right Indicator(Option), AAF Control - Close, AAF Control - Open, A-C Compressor Relay, Actuator Control - Apply, Actuator Control - Release, AEWP Control - PWM Type, All Door Lock Signal Output(to PTGM), All Mood Lamp Blue LED Test, All Mood Lamp Green LED Test, All Mood Lamp Red LED Test, All Mood Lamp White LED Test, Alternator Control, Alt'L Signal Out, Assist Door Courtesy Lamp Output, Assist Door Lock Indicator, Assist Mirror Position Down (Option), Assist Mirror Position Left (Option), Assist Mirror Position Right (Option), Assist Mirror Position Up (Option), Assist Outside Mirror Down, Assist Outside Mirror Left, Assist Outside Mirror Right, Assist Outside Mirror Up, Assist Power Window Down (Option), Assist Power Window Up (Option), Assist Seat Belt Indicator, Assist Seat Belt Indicator (Option), Assistant Side Outside Handle Antenna Output (Power and GND), ATM Solenoid, Auto Cut Relay, Auto Light Power, Auxiliary Fuel Injector for Flexible fuel, Auxiliary Fuel Pump for Flexible fuel, AV Tail, B1, B2, Back Up Lamp, Battery Cool EXV(Electric expansion valve), Battery Cool Valve(Evaporator), BI-Fuel System Fuel Change(GSL to LPG), BI-Fuel System Fuel Change(LPG to GSL), Bifunction Headlamp High LH Solenoid IPS Output, Bifunction

Headlamp High RH Solenoid IPS Output, Burglar Horn Relay, Canister Purge Valve, Canister Shut Off Valve (OBD-2 Only), Canister Shut Off Valve Clocked(OBD-2 Only), Canister Shut Off Valve Toggling(OBD-2 Only), CDA Control Solenoid Valve - EX, CDA Control Solenoid Valve - IN, Central Door Lock Indicator, Central Door Lock Relay, Central Door Lock Switch Indicator Output, Central Door Unlock Relay, Chageover Valve, Charge Inlet Lock Relay, Charge Inlet Unock Relay, Charging Status LED (Green) On, Charging Status LED (Yellow) On , Checking the wear amount of clutch, Child Lock Relay Output, Child Unlock Relay Output, Clamp Status ACC(Amber) LED Color illumination, Clamp Status IGN(Blue) LED Color illumination, Clamp Status Off(Red) LED Color illumination, CNG Bi-Fuel Fuel Change, CNG Shut sol valve in Fuel Tank, Compressor Off, Compressor On, Console Temperature Air Mix Door 0%, Console Temperature Air Mix Door 100%, Console Temperature Air Mix Door 50%, Cornering Lamp Left Relay Output (Option), Cornering Lamp LH Output, Cornering Lamp RH Output, Cornering Lamp Right Relay Output (Option), Courtesy Lamp RL Output, Courtesy Lamp RR Output, CPP(Canister Puge Pump) Control, Cruise Indicator, CVVT Exhaust, CVVT Intake, D_DRL Relay, Damper Clutch Solenoid (DCC), Dead Lock Relay, Dedicated DRL Left Output, Dedicated DRL Output (Option), Dedicated DRL Right Output, Def Door - Close, Def Door - Open, Defogger - Deicer Relay, Defogger Indicator, Differential Pressure Valve, Door Lock Relay, Door Open Indicator, Door Unlock Relay, Driver Air Mix Door-0%, Driver Air Mix Door-100%, Driver Air Mix Door-50%, Driver Door Courtesy Lamp Output, Driver Door Unlock Relay, Driver Door Unlock Relay (Option), Driver Mode Door-DEF., Driver Mode Door-Floor, Driver Mode Door-Vent, Driver Seat Belt Indicator, Driver Side Outside Handle Antenna Output (Power and GND), Driver Side Repeater, Driving-RearWide View, DRL Relay(Canada), DRV-AST Power Window Enable Output, DRVM (Driving Rear View Monitor), EGR Valve, EHR(Exhaust Heat Recovery) Control, ELCM Change Over Value(COV) Control, ELCM Pump Control, Electric Oil Pump (for HEV), Electric Oil Pump Run, Electric Shuttle Valve-Left Front, Electric Shuttle Valve-Right Front, Electrically Controlled Water Pump (Option), EMS Wakeup Output, Engage Both Clutch(20mm), Engine Clutch Control Solenoid (for HEV), ESCL Battery Output, ESCL Enable(ESCL Only), ESCL Ground Output, ETC Motor, EV Charge Door Open Lamp Output, EV Charge Door Open Relay, EVAP Leakage Test, EVP, Exterior Tail Lamp Left(Front and Rear) Output, Exterior Tail Lamp Left(FrontRear) Output, Exterior Tail Lamp Right(Front and Rear) Output, Exterior Tail Lamp Right(FrontRear) Output, External Buzzer Output, Fan Motor Control-High Speed, Fan Motor Control-Low Speed, Fan PWM, Flasher Sound Relay(Option), Flow Stop Valve, Foot Lamp Output(Option), FPCM pressure control, Front Air Flow Door - 0%, Front Air Flow Door - 100%, Front Air Flow Door - 50%, Front Blower Fan Motor-1Step, Front Blower Fan Motor-2Step, Front Blower Fan Motor-3Step, Front Blower Fan Motor-4Step, Front Blower Fan Motor-5Step, Front Blower Fan Motor-6Step, Front Blower Fan Motor-7Step, Front Blower Fan Motor-8Step, Front Blower Fan Motor-Off, Front Bumper Antenna Output (Power and GND), Front Charge Door Lamp Output, Front Deicer Relay, Front Fog and Cornering Lamp Left Output, Front Fog and Cornering Lamp Right Output, Front Fog Cornering Lamp Left Output, Front Fog Cornering Lamp Right Output, Front Fog Lamp, Front Fog Lamp Indicator, Front Fog Lamp Left Output, Front Fog Lamp Output, Front Fog Lamp Relay, Front Fog Lamp Right Output-2, Front Glass Heated Relay Output, Front Glass Heated Switch Indicator Output, Front Left Turn Signal Output, Front Right Turn Signal Output, Front Turn Signal Lamp Activation LH Output, Front Turn Signal Lamp Activation RH Output, Front Washer Motor Output, Fuel Door Open Solenoid Output, Fuel Open Loop, Fuel Pump Control(1st stage), Fuel Pump Control(2nd stage), Fuel Pump Relay Control for LPG, Fuel Pump Relay for LPG, Fuel Pump Relay(1st stage), Fuel Pump Relay(2nd stage), Gauge ON, Glove Box Lamp Output, Haptic Steering Wheel Motor Output, Haptic Steering Wheel Output, Hat Shelf Antenna Output (Power and GND), Hazard Indicator, Hazard Mode State for Turn Signal Lamp Sequential Mode, Hazard Relay, Head Lamp High Indicator, Head Lamp High Left Output, Head Lamp High Output, Head Lamp High Relay, Head Lamp High Right Output, Head Lamp Low Indicator, Head Lamp Low Left Output, Head Lamp Low Output, Head Lamp Low Relay, Head Lamp Low Right Output, Head Lamp Low Signal, Head Lamp Washer Relay, Heated Handle Indicator(Option), Heated Handle Output(Option), Heated Washer

Nozzle Output, Heated Washer Nozzle Relay, HICM Activate Diagnostics, High Mounted Stop Lamp Output, High Pressure Fuel Pump Control, High Pressure Fuel Pump Control2, HLL normal position, Horn Relay, Horn Relay(NA), HV PTC OFF, HV PTC ON(Min.), Idle Speed Actuator, IG3 Control Operation, Ignition 3 Relay, Ignition Coil Enable-Disable-#1, Ignition Coil Enable-Disable-#3, Ignition Coil Enable-Disable-#4, Ignition Coil Enable-Disable-#5, Ignition Coil Enable-Disable-#6, Ignition Coil Enable-Disable-#7, Ignition Coil Enable-Disable-#8, iMEB Valve Control-Line Split Valve, iMEB Valve Control-Low Press Traction Control Valve, iMEB Valve Control-Low Press Wheel Split Valve, iMEB Valve Control-Pedal Simulator Valve, iMEB Valve Control-Release Control Valve, iMEB Valve Control-Traction Control Valve, iMEB Valve Control-Wheel Split Valve, Immobilizer Lamp(Optional), Indicator ALL OFF, Indicator ALL ON, Injector Disable-Cylinder 1, Injector Disable-Cylinder 2, Injector Disable-Cylinder 3, Injector Disable-Cylinder 4, Injector Disable-Cylinder 5, Injector Disable-Cylinder 6, Injector Disable-Cylinder 7, Injector Disable-Cylinder 8, Inlet Valve-Front Left Control, Inlet Valve-Left Front, Inlet Valve-Left Rear, Inlet Valve-Rear Left Control, Inlet Valve-Rear Right Control, Inlet Valve-Right Front, Inlet Valve-Right Rear, In-Line mode - Apply-Release, Intake Door - Fresh, Intake Door - Recirc, Interior Antenna #1 Output (Power and GND), Interior Antenna #2 Output (Power and GND), Interior Antenna #3 (Trunk Antenna : Sedan Type) Output (Power, Interior Lamp Autocut Relay Output(Optional), Interior Mood Lamp Output (Option), Internal Buzzer, IOD Relay, ISG Lamp, ISG Test(Optional), Isolation Detection Circuit Deactivate, ITM Valve, Key Hole Illumination (Manual Key Type), Key Interlock Solenoid(Manual Key Type), Lamp Load Power Relay, LampLoad AutoCut IPS Output, LongTermLoad Cut Relay Output, LPG Cut Valve for Fuel Rail, LPG Cut Valve for Fuel Tank, LPG Fuel Pump PWM, LPG Injector Disable Cylinder1, LPG Injector Disable Cylinder2, LPG Injector Disable Cylinder3, LPG Injector Disable Cylinder4, LPG Lamp, Luggage Lamp, Luggage Lamp Relay, Manual HLLD Signal Output, Manually Active Air Flap Close, Manually Active Air Flap Open, Map Lamp Output, Mirror Folding Operation (Option), Mirror Unfolding Operation (Option), Mood Lamp 1 Output, Mood Lamp 2 Output, Mood Lamp 3 Output, Mood Lamp Output, Motor, Move P/Seat To The Foremost Position(Recline), Move P/Seat To The Foremost Position(Slide), Move P/Seat To The Last Position(Recline), Move P/Seat To The Last Position(SILDE), Multimedia Load Power Relay, Navi Wakeup Signal Output, Norminal Idle Speed Offset, OBC Wake up Output, Oil Change Warning Lamp(Optional), Oil Control Valve - Exhaust Bank 1(Optional), Oil Control Valve - Exhaust Bank2, Oil Control Valve - Intake Bank1, Oil Control Valve - Intake Bank2, Outlet Valve-Front Left Control, Outlet Valve-Front Right Control, Outlet Valve-Left Front, Outlet Valve-Left Rear, Outlet Valve-Rear Left Control, Outlet Valve-Rear Right Control, Outlet Valve-Right Front, Outlet Valve-Right Rear, Over speed indicator(Optional), Over Speed Warning Indicator, P/Seat to the Foremost Position(FR HEIGHT), P/Seat to the Foremost Position(RR HEIGHT), P/Seat to the Last Position(FR HEIGHT), P/Seat to the Last Position(RR HEIGHT), Parasitic Current Auto-Block IPS, Parking Brake Indicator, PAS Buzzer Output (RPAS Buzzer Output), PAS Indicator (RPAS Off Indicator), Passenger Air Mix Door-0%, Passenger Air Mix Door-100%, Passenger Air Mix Door-50%, Passenger Mode Door - Defog, Passenger Mode Door - Floor, Passenger Mode Door - Vent, Power Supply to the ACC Relay of Main MCU, Power Supply to the IGN1 Relay of Main MCU, Power Supply to the IGN1-IGN2 Relay of Main MCU, Power Supply to the IGN1-STARTER Relay of Main MCU, Power Window Relay, Power Window Relay (with Safety P-WDW Enable), Pressure Control Solenoid Valve A(Line Pressure), Pressure Control Solenoid Valve(VFS) A, Pressure Control Solenoid Valve(VFS) 'A', Puddle Lamp Output, Read VIN, Rear Air Flow Door - 0%, Rear Air Flow Door - 100%, Rear Air Flow Door - 50%, Rear Assist Power Window Down Relay, Rear Assist Power Window Up Relay, Rear Blower Fan Motor-1Step, Rear Blower Fan Motor-2Step, Rear Blower Fan Motor-3Step, Rear Blower Fan Motor-4Step, Rear Blower Fan Motor-5Step, Rear Blower Fan Motor-6Step, Rear Blower Fan Motor-7Step, Rear Blower Fan Motor-8Step, Rear Blower Fan Motor-Off, Rear Bumper Antenna Output (Power and GND), Rear Charge Door Lamp Output, Rear Curtain Down Output, Rear Curtain Down Output [Rear Curtain Hall Sensor Power Output, Rear Curtain Up Output, Rear Curtain Up Output [Rear Curtain Hall Sensor Power Output(O, Rear Defogger Relay, Rear Driver B-PILLAR Door - 0%, Rear Driver B-PILLAR Door -

100%, Rear Driver Power Window Down Relay, Rear Driver Power Window Up Relay, Rear Fog Lamp (Option), Rear Fog Lamp Indicator, Rear Fog Lamp Left Output, Rear Fog Lamp Relay (Option), Rear Fog Lamp Right Output, Rear Left Cooler Switch On, Rear Left Power Window Down (Option), Rear Left Power Window Up (Option), Rear Left Turn Signal Output, Rear Passenger B-PILLAR Door - 0%, Rear Passenger B-PILLAR Door - 100%, Rear Power Window Enable Output (Option), Rear Power Window LH Up Relay, Rear Right Cooler Switch On, Rear Right Power Window Down (Option), Rear Right Power Window Up (Option), Rear Right Turn Signal Output, Rear Room Lamp Output, Rear Seat Belt Center Indicator (Option), Rear Seat Belt Left Indicator (Option), Rear Seat Belt Right Indicator (Option), Rear Seat Warmer Left(Option), Rear Seat Warmer Right(Option), Rear View Switch Indicator Output, Rear Washer Motor Output, Rear Wiper Relay, Rear Wiper Relay (Option), Refrigerant 2Way Valve - #1 OFF, Refrigerant 2Way Valve - #1 ON, Refrigerant 2Way Valve - #2 OFF, Refrigerant 2Way Valve - #2 ON, Refrigerant 3Way Valve - #1 OFF, Refrigerant 3Way Valve - #1 ON, Refrigerant 3Way Valve - #2 OFF, Refrigerant 3Way Valve - #2 ON, RKE Tailgate Signal Output(to PTGM), RL Door Lock Relay, RL Door Unlock Relay, Room Lamp Output, RPAS Switch Indicator(Option), RVM Swich Indicator Output, Safety ECU Enable Output (High), Safety Power Window Enable, SAHLS Actuator 20%, SAHLS Actuator 80%, Seat Belt Indicator, Security LED Output, ShortTermLoad Cut Relay-IPS Output, SSB illumination Output (Power and GND), Start Inhibit Relay, Start Inhibit Relay (Option), Starter Inhibit Relay, Static Bending LH Output (Option), Static Bending RH Output (Option), Steering Warmer Output, Steering Warmer Switch Indicator Output, Stop Lamp, Stop Lamp Left, Stop Lamp Left-Right-HMSL Output (Option), Stop Lamp Right, Sunroof Enable Output, Sunroof Power Relay control(Option), Tail Interior Lamp, Tail Lamp Indicator, Tail Lamp Output, Tail Lamp Relay, Tailgate/Trunk Release Relay, Tailgate-Trunk Release Relay, TCS Valve-Left Front, TCS Valve-Right Front, TMM Coolant Flow Path Control, Trunk Lamp Output, Turbo dump(ReCirculation) Valve (RCV), Turbo waste gate(WGT) valve, Turn Left Signal, Turn LH Output, Turn RH Output, Turn Right Signal, Turn Signal Lamp Front Left Output, Turn Signal Lamp Front Right Output, Turn Signal Lamp Rear Left Output, Turn Signal Lamp Rear Right Output, Turn Signal Sound Relay Output, Variable Exhaust Flap, Variable Intake Manifold 1 (Option), Variable Oil Pump Solenoid, Venting Reservoir Tank, Venting RL And RR Valve, Venting RL Valve, Venting RR Valve, VVL Control Solenoid Valve - EX, VVL Control Solenoid Valve - IN, Wiper High-Speed Relay [Wiper High RLY With Wiper Power RLY], Wiper Low-Speed Relay [Wiper Low RLY With Wiper Power RLY], Wiper Power Relay, Wiper Relay (for INT)[Wiper RLY With Wiper Power RLY]

Mazda Coverage

1 new Adjustment type special test:

ALL Inertial Sensors Initialization

3 new Actuation type special tests:

BSM OFF Indicator Light, RCTA Warn Indicator, Generator Field Current Control Duty Signal

Nissan/Infiniti Coverage

- Added coverage for 211 new system applications

239 new Adjustment type special tests:

A/F Initial Learning, A/F Sensor Response Diagnosis Status B1, A/F Sensor Response Diagnosis Status B2, Active Control Engine Mounting A, Active Control Engine Mounting B, Adaptives After Replacing Particulate Filter, Adjustment: Type Of Alarm Signal, AFT Maintenance, After Camshaft Position Sensor Replacement, After Clutch Pedal Switch Replacement, After Crankshaft Position Sensor Replacement, After Electric Throttle Control Actuator Replacement, After Fuel Injector Replacement, After Fuel Rail Pressure Sensor Replacement, After High Pressure Fuel Pump Replacement, After Turbocharger

Replacement, After Turbocharger Solenoid Valve Replacement, Air Bleed, Air Bleeding, Air Bleeding - FL Line, Air Bleeding - FR Line, Air Bleeding - RL Line, Air Bleeding - RR Line, Air Bleeding Pattern - RL Wheel, Air Bleeding Pattern - RR Wheel, Air Fuel Ratio Correction Value, Air Fuel Ratio Sensor, ALC Setting, Anti Theft Alarm Trigger Setting, Anti-Lock Out Set, AP Position Learn Clear, Auto Door Lock, Auto Light Logic Setting, Auto Park Inhibition, Automatic Door Locking, AUTOMATIC DOOR UNLOCK SELECT, Automatic Lock Setting, Automatic Lock/Unlock Set, Automatic Unlocking, Auxiliary Gearbox Clutch Point Learning, Battery Discharge Current Integration Clear, BCM Diagnosis When Engine Does Not Start, BCM Diagnosis When the Door Lock Is Malfunctioning, Blind Spot Detection Configuration, Blind Spot Detection Shut-Off Requester Test, Blow Mode, Blow Set, Calibrate Yaw Rate Sensor, Cause of Auto Cancel 2, Cause of Auto Cancel 4, Cause of Auto Cancel 6, CC/SL Program, Check Fuel Lines, Clear Air-Fuel Ratio Learning, Clear ETC Learning, Clear E-VTC Op Learned Angle (Exh), Clear E-VTC Op Learned Deviation Angle (Exh), Clear FFD, Clear LPG Air-fuel Ratio Learning, Clear Normal TAS Learning, Clsd Thl Pos Learn, Clutch Pedal End Stroke, Clutch Point Learning, CLUTCH SENSOR RESET, CML Battery Discharge Current Integration Clear, CO Adjustment, Communication Test With Key, Computer Programming, Conform CVTF Deterioration, Cumulative Sub-Battery Discharge Current Clear, Custom A/Light Setting, Decel G Sensor Calibration, Diagnosis for Remote Engine Starter, Door Lock / Unlock, Door Motor Starting Position Reset, Door Open Detection Acoustic Alarm, Door unlocking Driver door/all doors, Door Unlocking Triggering Delay, DPF Regeneration, Drain System Air Bleeding Pattern, Dual battery relay voltage drop count data clear, ECO Mode Reset Function, EGR Control Valve Closed Position Learning, Electric Intake Valve Timing Control Learning, Electric O.P Air Bleeding, Electric Oil Pump Air Bleeding, Electric Parking Brake System: Test Mode Procedure, Engine Adaptive, Engine basis parts value 1 and 2 clear, Engine Brake Adjustment, Engine Start by I-Key, Erase Calibration Data, Erase Learning Value, Erase Memory Data, Erase Statistic Memory, Ethanol Concentration, EVAP System Close, FEB Operation Mileage, Fine Adjustment Front View Camera Top View, Fine adjustment of DS camera, Fine adjustment of PAS camera, Fine Adjustment Reversing Camera Top View, Finish Brake Pad Replacement, FRE Memory Set, Front Camera Guidelines Correction, Fuel Pressure Release, Fuel Supply Prevention, FWD Clutch Point Learning, G Sensor Calibration, GPF Service Regeneration Reset Routine Execution, High Pressure Fuel Circuit Fault Finding, High Pressure Fuel Pump Total Starts Counter Clear, Horn Chirp Setting, Horn With Keyless Lock, ID Read, ID Registration, Idle Air Vol Learn, Idle Air Volume Learn, Ignition Battery Saver Set, Ignition Timing (ADV), Ignition Timing Adjustment, Illumination Delay Setting, Initialization Position Adjustment, Injection Pump Adaptive, Injection Timing, Interior Light/Door Lock Interaction Setting, Interval of Oil Change (OCS) Oxidation, Key Acknowledgement Signal On Locking, Key Acknowledgement Signal On Unlocking, Key Battery Flat Warning, Lane Dep.Warning Camera Shut-Off Requi.Test, Lane Departure Warning Camera Configuration, Launch Control Counter Reset, Levelizer Adjustment, Lock/Unlock By I-Key, Longitudinal G Sensor Calibration, M/T Neutral Pos Learn, Misfire Count (Past), Misfire count (real-time), Multi Answer Back Setting, Number of Starting 1, Number of Starting 2, Number of Starting 3, Number of Starting 4, Number of Starting Cycles, Oil Change Interval (OCS) Dilution, Panic Alarm Triggering Delay, Power Supply Air Bleeding Pattern 1, Power Supply Air Bleeding Pattern 2, Pressure Sensor Initialization, Program Key Fobs, Programmed Values, Programming Reinitialization, Programming Selections/Engaging Zones, R Lamp Timer Logic Setting, Rear Door Window Open Detect. Acoustic Alarm, Rear Lid Unlocking Triggering Delay, REC Memory Set, Regeneration of Gasoline Particulate Filter, REMO CONT ID CONFIR, Remo Cont ID Erase, REMO CONT ID REGIST, Reset Adaptation Values for Shift Operation, Reset Adaption To Factory Setting, Reset Fuel And Timing Learn Tables, Reset Fuel Consumption Short Term Log, Reset Memory, Reset to Default Settings, Reset Vehicle Height Initial Value, Retained Power Setting, Reversing Camera Guidelines Correction, Room Lamp Off Timer Setting, Room Lamp On Timer Setting, Room Lamp Timer Setting, Rotary Position Sensor Learn, RTCV Actuator Calibrate, Save Computer Data, Save/Write Data for CPU Replace, SC Magnetic Clutch Engage Count Clear, Self-Learning Cont, Set R-DEF Timer, Set Rear Temperature Correction, Set Temperature

Correction, Shift Drum Reference Position, Solenoid VTC Operation Start Duty Learning, Start Brake Pad Replacement, Start OBD test: Catalytic converter, Start OBD test: O2 sensors, Starter Operation Count Clear, Starter Operation Counter Clear, Steering Angle Initialization, Steering Angle Sensor Adjustment, Steering Angle Sensor Calibration, Stop/Start engine restart cause data recorder, Stop/Start engine stall cause data recorder, Stop/Start prohibit cause data recorder, Sub-Starter Generator Oper Count Clear, Supercharger Magnet Clutch Engagement Count Clear, System Mode Change, Target Evaporator Temperature Upper Limit Setting, Target Idle RPM Adjustment, Target IGN TIM ADJ, Target Ignition Timing Hold, Tcu Activate Setting, Teach-in Of Selection Range Sensor, Temp Set Correct In Deg C, Temp Set Correct In Deg F, Tire Pressure Sensor Registration, top view, Trunk Open Set, Upshifts, 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, V/T Control Learn, Valve Calibration, Valve Check, Valve Flushing, Valve Timing Adjustment, Valve Timing Offset Data Clear, Valve Timing Offset Data Writing, Vcr Base Position Learning, VIN Registration, VVEL Position Sensor Adj Prepare, Waste Gate Actuator Position Learning Value Clear, Waste Gate Regulation, Weight Classification Sensor Reset, Wiper Speed Setting, Write Fuel Learn Value, Write High Pressure Fuel Pump Total Starts Count, Write Saved Data , Write Starter Operation Count, Write VIN, WRITE VIN(MANUAL INPUT), Zero Point Reset Function, Actuator Air Bleeding Pattern

815 new Actuation type special tests:

(TBD)EAP FAIL IND, (TBD)Epkb Request, (TBD)EPS Reaction Force Request, (TBD)Hand Free Warning, (TBD)LDP L STEP, 12V BATTERY CHARGE W-L, 4WD AT Flow, 4WD Warning Light, 5TH BOW SYSTEM, A/C Compressor, A/C Compressor Relay Control, A/C Indicator, A/F Sensor Heater, AAC/V Output Duty, AAC/V Output Step, ABS Front Left Hold Solenoid, ABS Front Left Release Solenoid, ABS Front Right Hold Solenoid, ABS Front Right Release Solenoid, ABS Motor, ABS Rear Left Hold Solenoid, ABS Rear Right Hold Solenoid, ABS Rear Right Release Solenoid, ABS Solenoid, ABS Solenoid (SRLR), ABS Warning Light, AC Compressor, AC Compressor Relay, A-C INDICATOR, ACC Indicator, ACC Indicator Lamp, Accelerator Pedal Actuator Test 1, Accelerator Pedal Actuator Test 2, Accumulator Zero Down, Accy/RAP Relay, Activate Demo Mode Of Exterior Lamp, Activate the Slip Indicator Light, Activate the Starter Cut Relay, Active Grille Air Shutter, Active Grille Shutter, Active Pedal, ADAS BUZZER, ADAS Buzzer 2, Advanced Homogeneous Direct Injection Angle, Advanced Stratified Direct Injection Angle, AEB Disp, A-F Ratio Cntrl Stop Stratified Chrg Cmb Trnsfr, Air Bypass Valve Solenoid, Air Cond Rly, Air Conditioner Relay Output, Air Conditioner Test, Air Inlet Control Flap On Front End Panel, Air Inlet Flap, Air Pump, Air Pump Relay, Air/Liquid Pump Of Camera, ALC Disp, ALC Level, ALL INDICATORS DRIVE, All LCD Segments, ALL SEG, All Shock Absorber, Alternator Duty, Alternator Duty Cycle, Alternator Voltage, ANC Test Tone, Answer Back With I-Key Unlock, Antenna Self-Test, Anti Key Lock In Function, ARC Disp, ARC Disp 2, ARS Warning Light, AS Seat Lamp Test, Assist Seat Lamp Test, ATC 1 Disp, ATC 2 Disp, ATC 3 Disp, ATC 4 Disp, ATC 5 Disp, A-TRC(TRAC) Indicator Light, Auto ACC 1, AUTO ACC 2, Auto LSD Indicator Light, Auto Mode, Auto Stop Start, Automatic Back Door, Back Door/Trunk Lock Relay, Back Door/Trunk Unlock, Back Dr Open Warn, Battery Cooling, Battery Heater, Battery Saver, BCI Warning Indicator, BH Operated Light, BH Standby Indicator, Boost Pressure, Booster Solenoid, Boot/Trunk Open, Brake Actuator, Brake Actuator 1 Mode 1, Brake Actuator 1 Mode 2, Brake Actuator 1 Mode 3, Brake Actuator 2 Mode 1, Brake Actuator 2 Mode 2, Brake Actuator 2 Mode 3, Brake Actuator 3 Mode 1, Brake Actuator 3 Mode 2, Brake Actuator 3 Mode 3, Brake Hold Disp, Brake Hold Display, Brake Operation, Brake Release, Brake SW, Brake Switch, Brake Warning Light, BSI Indicator On, BSI ON Indicator, BSI Warning Indicator, BSW On Indicator, BSW Warning Lamp, BSW/BSI WARNING LAMP, BSW-BSI INDICATOR DRIVE, BSW-BSI WARNING LAMP, Buzzer, BUZZER DRIVE, Camshaft Dephaser: Solenoid Valve Slide Movement, Camshaft Positioner, Canister Bleed Solenoid Valve, Canister Drain Cut Valve, Cargo Lamp Output, Catalyst Exhaust Gas Downstream O2 Resistance Heater PWM, Catalyst Exhaust Gas Upstream O2 Resistance Heater PWM, Cause of Auto Cancel 1, Causes Of Engine Stop

Prevention, CBV Position Override, Charge Air Cooler Cooling Electric Water Pump, CHARGE STAT INDICATOR 1, CHARGE STAT INDICATOR 2, CHARGE STAT INDICATOR 3, Charge Status Indicator 1, Charge Status Indicator 2, Charge Status Indicator 3, Check Activated Canister Shutoff Valve, Check Boost Pressure Control, Check Component Purging Pressure Control, Check Coolant Pump Switchover Valve, Check Coolant Thermostat Heating Element, Check Cylinder Fuel Injectors, Check Cylinder Fuel Injectors For Leaks, Check Deceleration Air Switchover Valve, Check Engine And AC With Integrated Control Fan Motor, Check Engine Oil Pump Valve, Check Exhaust Camshaft Solenoid, Check Fuel High Pressure Circulation for Leak Tightness, Check Fuel Pressure And Temperature Sensor Rail Pressure, Check Fuel Tank Pressure Sensor, Check Intake Camshaft Solenoid, Check Intake Port Shutoff Actuator Motor, Check Mode, Check Purging Switchover Valve, Check Quantity Control Valve, Check Throttle Valve Actuator, Check Valve Bypass Valve, CNG Cylinder Shutoff Valve, CNG Engine Shutoff Valve, Command St Whl Forc, Command Steering Angle, Component Quantity Control Valve, Compressor, Confirm Dongle ID, Continuously Variable Valve Timing Control Side Intake, Coolant Circulation Switching S/V, Coolant Temperature, Cooling Fan, CORNERING LAMP, Cornering Lamp Test, Crawl Control Light, Cruise Control-PCS-LKA Buzzer, C-SCV Target Step (Bank1), C-SCV Target Step (Bank2), C-VTC Target Angle, Cylinder Cutout Test, DAB Indicator Light, Daytime Running Light, DCA Indicator, DC-DC Conv Duty, DEF Dosing Unit Override Test, DEF Line Heater Test, DEF System Leak Test, DEF Tank Heater Test, DIG Power Balance Cylinder 1, DIG Power Balance Cylinder 2, DIG Power Balance Cylinder 3, DIG Power Balance Cylinder 4, DIG Power Balance Cylinder 5, DIG Power Balance Cylinder 6, DIG Power Balance Cylinder 7, DIG Power Balance Cylinder 8, Display: Headlamp Leveling, Display: Test, Door Handle Lamp Test, Door Lock, Door Lock Ind, Door Lock Indicator, Door Warning Test, Downhill Assist Control Light, DOWNSTREAM OXYGEN SENSOR HEATING, Drive Mode Test, Driver Seat, DSS Signal Buzzer, EAP SW LAMP, EAPM Warning Lamp, EBS Relay, ECB Control Invalid, ECB Main Relay, ECB Main Relay 2, ECB Motor Relay, ECB Motor Relay2, ECB Solenoid (SC1), ECB Solenoid (SC2), ECB Solenoid (SCC), ECB Solenoid (SGH), ECB Solenoid (SLA), ECB Solenoid (SLA) Valve Close, ECB Solenoid (SLAFL), ECB Solenoid (SLAFL) Valve Close, ECB Solenoid (SLAFL) Valve Open, ECB Solenoid (SLAFL2), ECB Solenoid (SLAFR), ECB Solenoid (SLAFR) Valve Close, ECB Solenoid (SLAFR) Valve Open, ECB Solenoid (SLAFR2), ECB Solenoid (SLARL), ECB Solenoid (SLARL) Valve Close, ECB Solenoid (SLARL) Valve Open, ECB Solenoid (SLARL2), ECB Solenoid (SLARR), ECB Solenoid (SLARR) Valve Close, ECB Solenoid (SLARR) Valve Open, ECB Solenoid (SLARR2), ECB Solenoid (SLR), ECB Solenoid (SLR) Valve Close, ECB Solenoid (SLRFL), ECB Solenoid (SLRFL) Valve Close, ECB Solenoid (SLRFL) Valve Open, ECB Solenoid (SLRFL2), ECB Solenoid (SLRFR), ECB Solenoid (SLRFR) Valve Close, ECB Solenoid (SLRFR) Valve Open, ECB Solenoid (SLRFR2), ECB Solenoid (SLRRL), ECB Solenoid (SLRRL) Valve Close, ECB Solenoid (SLRRL) Valve Open, ECB Solenoid (SLRRL2), ECB Solenoid (SLRRR), ECB Solenoid (SLRRR) Valve Close, ECB Solenoid (SLRRR) Valve Open, 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 Warning Indicator, ECO Indicator Lamp, ECO Tree, EGR Cont (Mode 1), EGR Cont (Mode 3), EGR Control Valve, EGR Cut Solenoid, EGR Solenoid, EGR Vol Cont/V, EGR VOL CONT-V, EGRC Solenoid Valve, Electric Fan Override Test, Electric Parking Brake Activation, Electric Water Pump, Electrical Control EGR Target Step, Electrical Control Engine Mount Motor, Electronic Throttle Control, ENG COOLANT TEMP, Engine Coolant Bypass Valve, Engine Coolant Electric Water Pump, Engine Coolant Temperature, Engine Fan Override Test, Engine Mounting, Engine Oil Pressure Control Solenoid Valve, Engine Piloted Oil Pump, Engine Start, Engine Start Request, Engine Sw Illumi, ESS Active, ESS Relay Active, ETC Correction Valve, ETS Solenoid Control, ETS S-V, EV SYSTEM W-L, EVAP Canister Purge Control Solenoid Valve, EVAP CNT Duty Valve Open, EVAP Leak Diag, EVAP Leak Mode8, EVAP Leak P1441, E-VTC Target Angle (Exhaust), EXH V-T ASSIGN ANGLE, Exhaust Air Flap, Exhaust Camshaft Dephaser Solenoid Valve, Exhaust Camshaft Set Point, Exhaust Fuel Injector, Exhaust Gas Recirculation Cooler Bypass Valve, Exhaust Solenoid, Exhaust Valve Timing Assign Angle, Exhaust Valve Timing Control Solenoid Valve, Exterior Lamps, External Buzzer, EXTERNAL LAMPS, Fan Duty Control,

FAN UNIT HIGH SPEED, Fan Unit High Speed Relay, FAN UNIT LOW SPEED, Fan Unit Low Speed Relay, FL Shock Absorber, FL Tire Disp, Flasher, Flasher test, Flex-Fuel Additional Pump, Flex-Fuel Additional Solenoid Valve, FLYWHEEL TARGET PROGRAMMING, Fog Lamp Override, FPCM, FR Fog lamp, FR LH ABS Solenoid (ACT), FR LH ABS SOLENOID(ACT), FR LH SOL, FR RH ABS Solenoid (ACT), FR RH ABS SOLENOID(ACT), FR RH SOL, FR Shock Absorber, FR Tire Disp, Fr Wiper, Fresh Air Memory, front, Front Assist Window, Front Buzzer, Front Driver Window, Front Fog Lamp, Front Left Solenoid, Front Right Solenoid, Front Wiper, Front Wiper Test, F-S CHG RLY, Fuel Flow Actuator, Fuel Flow Solenoid Valve, Fuel Heater, Fuel Heater Relay, Fuel Injection, Fuel Lid Open Indicate, FUEL METER DIAGNOSIS(ANALOG METER), Fuel Pressure Solenoid Valve, Fuel Pump, Fuel Pump Control Module, Fuel Pump Relay, Fuel Pump Relay 2, Fuel Pump Relay 3, Fuel Rail Pressure, Fuel Rail Pressure Control Valve, Fuel Return Valve, Fuel System Leakage Test, FUEL-T TEMP SEN, Gas Pump Command State, Glow Relay, H/B Motor Relay, HALF BACK DOOR, Hazard Answer Back, Hazard Lamp, HDC DISP, HDC Display, Head Lamp, Head Lamp High, Head Lamp Washer, HEAD LAMP(HI), Head Lamps, Headlamp High, Headlamp Low, Headlamp Washer, Heater Relay Unit, Heater Valve Flow, HEATING RESISTOR RELAY 1, HEATING RESISTOR RELAY 2, HEATING RESISTOR RELAY 3, High Beam Assist Test, High Beam Lamp Test, High Pressure Circuit Leak Test, Horn, Horn Acknowledgement Signal, HORN LAMP, Horn Test, Horn-IPDM-E, Horn-Multi Remote Ent, HPCR Fuel Act Override, Hv Battery Cooling Fan, HVAC Test, Hydraulic Motor, HYDRAULIC PRESSURE RELEASE, IACV-AAC/V Opening, ICC Buzzer, ICC Warning Lamp, ID REGIST WARNING, Idle Target RPM, Ign Cont2, IGN KEY WARN ALM, Ignition Accessory Battery Saver, Ignition Cont1, Ignition Cont2, Ignition Cylinder 1, Ignition Cylinder 2, Ignition Cylinder 3, Ignition Cylinder 4, Ignition Illumination, Ignition Key Gong, Ignition Key In Alarm, Ignition Key Warning Alarm, Ignition On Ind, Ignition On Warning System, Ignition Relay, Ignition Switch LED Power, Ignition Timing, Ignition Timing (Mode 1), Ignition Timing (Mode 3), Ill Dim Signal, Illumination Dim Signal, Immobilizer Lamp, Indicat. Lamp VSC OFF, Indicator, INDICATOR LAMP DRIVE, Injection Pressure Regulator, Injector Cylinder 2, Injector Cylinder 3, Injector Cylinder 4, Injector-Cylinder 1, Inside ANT Diagnosis, Inside Buzzer, Inspection Mode, Instrument Cluster Indicat. Lamps, INT LAMP, INT V/T ASSIGN ANGLE, INT V-T ASSIGN ANGLE, Intake Duct S/V, Intake Manifold Pressure Solenoid, Intake Valve Timing Control Solenoid Valve, Intank Fuel Temperature Sensor, Intelligent Key Link, INTELLIGENT KEY LINK (CAN), Interior Lamp, Interior Lamps, Interrupt Disp, Key Fob Low Battery Warning, Key Fob Power Window Test, Key Lock Solenoid, Key Reminder, Key Reminder Warn, Lamps, Lane Departure W/L, Lane Departure Warning Display, LANE DEPARTURE W-L, LCD, LDP Buzzer, LDP ON IND, Ldp On Indicator, LDP Warning Indicator, LDW On Indicator, LDW Warning Indicator, LED, LED LH INDICATOR, Left Exterior Mirror LED Test, Left Solenoid, Levelizer Test, Light On Alarm, LIGHT WARN ALM, Lock (Central Locking), Lock Doors, Lock Indicator, Low Beam Swivel Test Left, Low Beam Swivel Test Right, LOW BEAM TEST LEFT, LOW BEAM TEST RIGHT, Low Pressure Fuel Pump, Low-Beam Headlight Left, Low-Beam Headlight Right, LPG Air Fuel Ratio Revision Value, LPG Shutoff Valve Relay, Luggage Lamp Test, Malfunction Status Of Stop/Start System, MAP/Baro SW/V, Master Warning Active, MEMORY SW INDCTR, Meter Buzzer, Meter Lamp, Mirror +5 V Test, MIRROR MOTOR LH, MIRROR MOTOR RH, Mixture Ratio, Mode 1 DIG Power Balance Cylinder 1, Mode 1 DIG Power Balance Cylinder 2, Mode 1 DIG Power Balance Cylinder 3, Mode 1 DIG Power Balance Cylinder 4, Mode 1 DIG Power Balance Cylinder 5, Mode 1 DIG Power Balance Cylinder 6, Mode 1 DIG Power Balance Cylinder 7, Mode 1 DIG Power Balance Cylinder 8, Mode 3 DIG Power Balance Cylinder 1, Mode 3 DIG Power Balance Cylinder 2, Mode 3 DIG Power Balance Cylinder 3, Mode 3 DIG Power Balance Cylinder 4, Mode 3 DIG Power Balance Cylinder 5, Mode 3 DIG Power Balance Cylinder 6, Mode 3 DIG Power Balance Cylinder 7, Mode 3 DIG Power Balance Cylinder 8, Motor Fan, Motor Relay Control, MOTORISED THROTTLE, Oil Pressure Sw, Oil Pressure Switch, Optic Axis Active Test, OPTIC AXIS ACTIVE TEST~OPTIC AXIS ACTIVE TEST, Outside Buzzer, Oxygen Sensor 1 Heater, Oxygen Sensor 2 Heater, P Range, P/REG CONT SOL/V, Panic Alarm, Parcel Shelf, Parking Brake Full Release, Parking Lamp, Partial Load Operation Crankcase Ventilation Valve, Pedal Motor, PKB Full Release Control, PKB Light, PKB Lock Control, PKB Release

Control, Plug In Indicator, Power Balance, Power Balance (Cylinder #1), Power Balance (Cylinder #2), Power Balance (Cylinder #3), Power Balance (Cylinder #4), Power Balance (Cylinder #5), Power Balance (Cylinder #6), Power Balance (Cylinder #7), Power Balance (Cylinder #8), Power Limitation Indicator, Power Slide Door, Power Sliding Door, POWER WINDOW (LH-RH), Power Window Down, Power Window Remote Down Set, PPS Solenoid, Pre Crash Brake OFF Light, Pre-Charge Pump, PRES Regulator, Pressure Control Solenoid A, Pressure Control Solenoid B, Pressure Control Solenoid C, Programming CI Touch Point, PROGRAMMING THROTTLE LIMITS, PRVR Solenoid, PSD PBD Open Test, PTC Heater Relay 1, PTC Heater Relay 2, PTC Heater Relay 3, PTC Relay-1, PTC Relay-2, PTC Relay-3, Pump Check Pattern, Purg Vol Cont/V, PURG VOL CONT-V, Purging Switchover Valve, Push Switch Indicator, Quick Charge Permit Signal Circuit, Quick Charge Relay -, Quick Charge Relay +, RAB Warning Lamp (Malfunction), RAB Warning Lamp (Operation), Radiator Fan Drive, Radiator Fan Output Hi, Radiator Fan Output Lo, Radiator Fan Relay, Radiator Fan Relay Test, RCTA-BSW Indicator, Read Tire Id, Ready Indicator, READY Indicator Lamp, Rear Assist Window, Rear Buzzer, Rear Defogger, Rear Defogger Indicator, Rear Driver Window, rear left, Rear Left Solenoid, Rear O2 Diagnosis, rear right, Rear Right Solenoid, Rear Window Defogger, Recycle Air Memory Switch, Release Hand Warning, Remote Engine Starter, Retractable Mirror, Reverse Gear Reset Values Of Shift Operations, Reverse Lamp, Reverse Lamp Relay, REVERSE LAMP RLY, Reverse Warning, Right Exterior Mirror LED Test, Right Solenoid, Rise Up Wiper Test, RL Shock Absorber, RL Tire Disp, Roof, ROOF STATE OUTPUT(AUDIO), ROOF SYSTEM, RR Fog Lamp, RR LH ABS Solenoid (ACT), RR LH ABS SOLENOID(ACT), RR LH SOL, RR O2 Sensor Heater, RR RH ABS Solenoid (ACT), RR RH ABS SOLENOID(ACT), RR RH SOL, RR Shock Absorber, RR Tire Disp, RR Wiper, RTCV Hysteresis Test, RUN FLAT TIRE W/L, Run Flat Tire Warning Buzzer, RUN FLAT TIRE W-L, RUN FLAT-T WARN BUZZER, SCB/V Cont SOL/V, SCR Performance, SCV Solenoid, Seat belt lamp test, Seat Belt Warn Test, SEAT LIFTER, SEAT LIFTER FR, SEAT LIFTER RR, Seat Reclining, SEAT SLIDE, Secondary Air Cut Solenoid, Security Horn, Security Indicator, Setting Initialize Completion Flag, Shift Lock Solenoid, Shift Solenoid A, Shift Solenoid B, Shift Solenoid C, Shift Solenoid D, Shift Solenoid E, Shift Spot Lamp Test, SHIFTLCK SOLENOID TEST, SHIFTLCK SORENOID TEST, Short Cranking Output, Signal Check, Siren, Slip Indicator Light, Slow Mode, Solenoid Actuator Driving FR 2 Wheels, Solenoid Actuator Driving FR-LH, Solenoid Actuator Driving FR-RH, Solenoid Actuator Driving RR 2 Wheels, Solenoid Actuator Driving RR-LH, Solenoid Actuator Driving RR-RH, Solenoid Driving FR-LH, Solenoid Driving FR-RH, Solenoid Driving RR, Solenoid Driving RR-LH, Solenoid Driving RR-RH, Solenoid Relay, Speaker Mute Signal, Speed Sensor Function, START Button Illumination, Start Up Sound Speaker, Starter Cut Relay, Stationary Cornering Lamp Low, Steering Reaction Force Activation, Step Lamp Test, Stop Current Command, Stop Lamp, Stop Lamp 1, Stop Lamp 2, Stop Lamp 3, Stop Lamp Off Relay, Stop Lamp Off Relay 1 Active, Stop Lamp Off Relay 2 Active, Stop Lamp On Relay, Stop Lamp ON Relay Active, Stop Light Relay, Stop light System Indicator Light, Stratified Direct Injection Timing Angle, Stratified EGR Position, Stroke Simulator Cut Valve Pattern, Sub Fuel Cont Sol /V, Sub Fuel Pump Relay, Super Charger Clutch Relay, Supercharger Clutch Relay, SWIRL CONT SOL VALVE, Swirl Control Valve, Switch Lamp, Switch Lamp~Switch Lamp, SYSTEM ON LAMP DRIVE, Tail Lamp, Tail Light, TANK FUEL TEMPERATURE SENSOR, TARGET EGR ANGLE, Target EGR Position, Target Electric Throttle Control Angle, Target Equivalence Ratio Control, Target Fan RPM, Target Idle Speed, TC Bypass Valve, TC-SC BYPASS VALVE, TCV Power System Test, TELESCO MOTOR, THEFT IND, Theft Indicator, Thermostat Heater Control Solenoid Valve, Third O2 Sensor Heater, Third O2/S Diagnosis, Throttle Valve Position Setpoint, Tilt Motor, Tire Pressure Indicator, Tire Pressure Warning Lamp, TPMS ID flat tire warn, TPMS ID Registration Warning, TPMS LAMP WARN TEST, TPMS Warning Light, Trac Motor Relay, TRAC Solenoid (SPFL), TRAC Solenoid (SPFR), TRAC Solenoid (SRCF), TRAC Solenoid (SRCR), TRAC Solenoid (SRMF), TRAC Solenoid (SRMR), TRC OFF Indicator Light, Trunk, Trunk Open Test, Trunk/Back Door, Trunk/Glass Hatch, Trunk/Glass Hatch Open, Trunk-back door, Trunk-Luggage Lamp Test, Tumble Control Valve, TUMBLE CONTROL VALVE~TUMBLE CONTROL VALVE, Turbocharger Boost Control Actuator, Turbocharger Boost Control Solenoid Valve, Turbocharger Wastegate Solenoid Valve,

Turbocharging Solenoid Valve, Turn Disp, Unit Characteristics Data, Unlock Doors, Unlock Driver Door, Unlock Passenger Door, Unlock Rear Doors, UPSTREAM O2 SENSOR HEATING, V/T Assign Angle, Valve, Valve Timing Sol, Variable Duct Solenoid Output, VC/V Bypass/V, VCR System, Vehicle Disp, Vehicle Height Standard Position Forcing Return, Vehicle Security Horn, VEHICLE SECURITYT HORN, Vent Control Valve, VENT CONTROL-V, VIAS S/V-1, VIAS Solenoid, VIAS S-V-1, VIAS S-V-2, Vibration Motor, Voltage Control, Voltage Pattern Output, VSC OFF Indicator Light, 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), VSP Off Indicator, VSP Speaker , VSP SPEAKER LH, VSP SPEAKER RH, VTC Solenoid, VVL Int Exh Solenoid Simultaneous Drive, VVL Solenoid Exhaust, VVL Solenoid Intake, W/G, Warning Buzzer, Warning Lamp, Warning System Indicator, Warning Tone Gen. Roof Position, Washer Fluid Pump Relay, Wastegate Actuator, Water Temperature, Window lifter, YAW STEP L, YAW STEP R, Yellow Lane Dep.Warng.Indic. Lamp, Lock Operation

Toyota/Lexus Coverage

- Added coverage for 955 new system applications

709 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, 6MT Setting, A/C Auto Switch Mode, A/C Control Mode Switching, A/C Operation Limit History Counter Clear, A/T Code Reset, aCol Function, Activate The EGR Valve Close Bank 1, Activate The VN Turbo Open Bank 1, Activate The VSV For Air Bleed Control, Active Rear Wing Control, Actuator Air Bleeding Pattern, Add Foot Air in FACE Mode, Advanced Illumination System Setting, Advanced Park Parallel Parking Control Area, Advanced Park Perpendicular Parking Control Area, Advanced Parking Guidance Avoidance Distance, Advanced Parking Guidance Parallel Parking Area, Advanced Parking Guidance Perpendicular Parking, AFS (Electronic Swivel) Function, AFS Function, AHS Function, AHS Operation Pattern Setting, AHS Operation Vehicle Speed Setting (Pattern1), AHS Operation Vehicle Speed Setting (Pattern2), AHS Operation Vehicle Speed Setting (Pattern3), Air Bleed, Air Bleeding, Air Bleeding - FL Line, Air Bleeding - FR Line, Air Bleeding - RL Line, Air Bleeding - RR Line, Air Bleeding Pattern - RL Wheel, Air Bleeding Pattern - RR Wheel, Air Conditioner Mode, Air Conditioner Switch Indicator Function, Air Inlet Damper Mode, Air Inlet Damper Targ Pulse, Air Inlet Mode, Air Outlet Servo Pulse (P), Air Purifier, Air Purifier Auto Cancel, All Readiness, All Unlock/Open-Close, Ambient Temperature Adjustment, Ambient Temperature Shift, Approach Display OFF, AT Code Registration, ATF Thermal Degradation Estimate Reset, Audio Information Display Function, Auto A/C, Auto Door Lock, Auto Door Lock Pattern Setting (Speed), Auto Entry Cancel 2 Setting, Auto Entry Cancel Setting, Auto Fold Mirror, Auto LightOff Timer, Auto Lock, Auto Lock Time, Auto Lock/Shift, Auto Mode Start Function, Auto Rear Wiper in Reverse Setting, Auto Unlock/Shift, Auto Wiper, Automatic Door Lock Function, Automatic Door Lock Setting, Automatic Door Unlock Function, Automatic Door Unlock Function when D-Door Open, Automatic Door Unlock Setting, Automatic Light Off Timing Setting, Automatic Locking after Getting Out Function, Automatic Locking Cancel Time Adjust, Automatic Locking Time Adjust, Automatic Locking Timeout Adjust, Automatic Mirror Fold Setting, Back Door Opening Operation, Back Door Power Window Down, Back Door Power Window Up, Backup Battery Replacement Reset, Bad Weather Function, Battery Status Info Update, Blower Operation Setting (StopStart), Bluetooth Connection History, Body Control with Torque Demand, Body Ctrl with Torque Demand, Brightness Level Adjust (Canceling), Brightness Level Adjust (Lowering), BSM Approaching Vehicle Detection Timing Setting, BSM Buzzer Volume Adjust, BSM Master Abnormal History, BSM

Mirror Indicator Brightness, BSM Slave Abnormal History, Button Press Buzzer, Calibrate Yaw Rate Sensor, Camera Synchronous Error History, Center Console Spot Light, Clear Abnormal Operation History, Clearance Warning Buzzer Volume, Close ALL P/W Function, Closer Power Operation, Coming Home Light, Compressor Mode, Compressor/Air Inlet DEF operation, Control Mode, Cruising Range Reset, CVT Oil Pressure Calibration, D Seat Lift Up Buckle Operation Function, D Seat Lower Back Operation Away Function, D Seat Lower Cushion Operation Away Function, D Seat Lumbar Operation Away Function, D Seat Operation Interference Avoidance Function, D Seat Reclining Link Headrest F/R Length Function, D Seat Refresh Level Setting, D Seat Shoulder Operation Away Function, D Seat Side Back Support Operation Away Function, D Side Cushion Support Operation Away Function, D Window Auto Down, D Window Auto Up, Daylight Function, Daytime Running Light Function, DCM Operation History, Deceleration Sensor Zero Point Calibration, DEF(PSW/Lock) Mode Setting, Delay of Monitoring, Destination Setting, Detection of Vehicle, Diagnostic Mode, Disp Ex OFF Sen, Disp Ex ON Sen, Door Auto Lock Timer Setting, Door Handle Lock Button, Door Key P/W Down, Door Key P/W Up, 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 Mode, Door Unlock Mode2, Door Unlock Sensor Touch Time Adjust, Door Unlock with 1 Motion., Double Door Lock Time Adjust, Double Door Unlock Setting, Double Lock, Drain System Air Bleeding Pattern, Driver Seat Distance Adjust when Get Off, Driver Seat Lift Up Distance Adjust when Get Off, Driver Seat RA Lumbar Support Oper, Driver Seat RA Pelvis Support Oper, Driver Seat RA Side Support Oper, Driver Seatbelt Warning Buzzer Function, Driver Side Seatbelt Warning Buzzer, DRL Function, ECB Utility, ECO Drive Indicator Light, ECO Drive Indicator Zone, ECO Drive Indicator Zone Display Function, ECO Drive Indicator Zone Display Function (Meter), ECO MODE Cancel, ECO Mode Control, ECO Mode Start Function, ECU Data Initialization, ECU Data Save And Write, ECU Data Save And Write , Efficient Ventilation Mode, Electric Parking Brake System: Test Mode Procedure, Electronic Swivel Function, Emblem Sensor Detection Sensitivity, Emission Gas Sensor Shift, Engine Revolution (For Judging Stable Combustion), Engine Start Indicator, Engine Switch Light Function, Entry Delay, Entry Delay Time, Entry Unlock Twice Function, EPB Initialize, EV Mode Cruising Range Reset, EV System Start Indicator, Evaporator Control, Extended Headlight Lighting, Exterior Light (Door Open), Exterior Light Control, 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, FACE Wind Amount Adjust Function, Factory Mode, Fan speed increment control, FCTA Function ON/OFF State Stored, FCTA Warning Timing State Stored 1, FCTA Warning Timing State Stored 2, FCTA Warning Timing State Stored 3, Filter Sensor, FL Neck Heater Auto Mode Adjustment, FL Seat A/C and Heater Sensitivity Adjust, Flasher Sound Tone Setting, Flasher Sound Volume Adjust, Flasher Sound Volume Adjustment, Follow Me Home Lighting Time, Foot/DEF Auto Mode, Foot/DEF Automatic Blow Up Function, Forced Actuator Refresh, Forget to Turn IG OFF Alarm Function, Fr Corner Sensor Onset Range, FR Neck Heater Auto Mode Adjustment, Fr Rr Buzzer Freq, Fr Rr Buzzer Volume, FR Seat A/C and Heater Sensitivity Adjust, Fr Sensor Onset Range, Fr Side Sens Actuation Setting, Fr/Rr Seat Interference Avoidance Function (D), Fr/Rr Seat Interference Avoidance Function (P), Front Center Seatbelt Warning Buzzer Function, Front Passenger Side Seatbelt Warning Buzzer, Front Side Dist Sensor, Front SW Auto Operation, Glass Hatch Open Function, Grill Shutter Control Mode Switching, Grill Shutter Initialization, Grille Shutter Initialization, Halogen Lamp/HID, Hazard Answer Back Function, Headlight in Conjunction with Wiper, Headlight ON in Conjunction with Wiper Function, Headlight Upper Shade Angle Setting, Height Offset Rear Wheels, High Voltage Fuse Accumulated Load History Reset, History Clear, HWD Auto Function, I/L ON W/Door Key Unlock, I/L when ACC OFF, ICS Function, ICS Stop Distance, ICS SW Status Memory, ID Registration/Tire Position Write, IG ON Key Out Warning, Ignition Available Area, Ignition Available Area Setting (Back Door Type), Ignition Available Area Setting (Trunk Lid Type), Illumination Module A1, Illumination Module A2, Illumination Module A3, Illumination Module A4,

Illumination Module B1, Illumination Module B2, Illumination Module B3, Illumination Module B4, Illumination System, Initialization, Injection Timing, Injection Timing Value, Inside Foot Light, Instr-Panel Interference Avoidance Function (P), Integrated Current Value Initialization, Interior Footwell Lights Function, Interior Illumination Light 2 Function, Interior Illumination Light 3 Function, Interior Light Control, Interior Lights Lighting Timer Setting, Interior Lights ON Function, Intrusion Sensor 1 Sensitivity Level Adjust, Intrusion Sensor 2 Sensitivity Level Adjust, Intrusion Sensor Function, Intrusion Sensor Reduction in Sensitivity Setting, Intrusion Sensor Sensitivity Level, Intrusion Sensor Sensitivity Level (Window Open), Intrusion Sensor Sound Detection Function, Intrusion Win Opened, Intuitive P/A Auto Mute Function, Ion Generate Control, IPA Obstacle Avoidance Distance, IPA Parallel Parking Control Area, IPA Perpendicular Parking Control Area, Keep Sense Buzzer, Key Left in Vehicle Alarm Function, Key Low Battery Warning, Key Low Battery Warning Function, Key Out Range Warning, Key Remind Sound, Key Remind Volume, Kick Sensor Close Lock Function, Kick Sensor Operation Function with ACC ON, Lane Change Flashing Times Adjust, Lane Change Flashing Times Setting, Lane CHG Flash CNT, Language, Learning Value Reset, Leave Buzzer Volume, Left the Key Prevention Funct (Battery Remove), Light Auto OFF Delay, Light Auto OFF Delay Setting, Light Blink Clearance Lights at Unlock Function, Light Control, Light Control Glass Brightness Memory Function, Light Control Glass Voice Control Function, Light up Clearance Lights at Door Unlock Function, Light up Clearance Lights Door Unlock Function, Lighting (EXT): Headlight Assembly Adjustment, Lighting Time, Lock Indicator Lighting Time Adjust, Lost Communication Time Initialization, Low Speed Wide Light Function, Manual Fr/Rr Seat Interference Avoidance Function, Master Caution Display Function, Memory Call Function, Memory Call Link Function, Mirr-Foot-Lgt Approached/Exterior Light Approached, Mirr-Foot-Lgt Unlocked/Exterior Light Unlocked, Mirr-Foot-Lgt w/Master SW, Mirror Foot Light Time/Exterior Light Time, MT/AT Setting, Multi Weather Light Function, Noise and Vibration Reduction, Non P/R Range Rear Sensor, Object Not Moving 3s Buzz Vol, ODO Display Time After IG OFF Adjust, ODO Display Time After IG OFF Setting, Off-Road Guidance Indicator, One Motion, One Motion with Unlock Door, One Touch Open/Close SW Operation Setting (RL), One Touch Open/Close SW Operation Setting (RR), Open Door Warning Function, Operation History Clear, Optical Disc Error History, Ottoman Return Position, Out-Handle-Lgt Approached, Out-Handle-Lgt Unlocked, Out-Handle-Lgt w/Master SW, Outside Air Mode Auto Switch Function, Outside Door Handle Fold Adjust, Outside PSD SW Operation(RL), Outside PSD SW Operation(RR), Oxygen Supply, P Auto Operation Interference Avoidance Function, P Seat Auto Switch Return Function, P Seat Lift Up Buckle Operation Function, P Seat Lower Back Operation Away Function, P Seat Lower Cushion Operation Away Function, P Seat Lumbar Operation Away Function, P Seat Operation Interference Avoidance Function, P Seat Pressure Correction Function, P Seat RA Return Operation Function, P Seat Reclining Link Headrest F/R Length Function, P Seat Refresh Level Setting, P Seat Shoulder Operation Away Function, P Seat Side Back Support Operation Away Function, P Side Cushion Support Operation Away Function, P Window Auto Down, P Window Auto Down From Driver, P Window Auto Up, P Window Auto Up From Driver, P/W Down W/ Transmit, P/W Operation Buzzer W/ Transmit Function, P/W Up W/ Smart, P/W Up W/ Transmit, P/W Wireless Ope Buzz, Panic Alarm Function, Panic Function, Park Wait Time, Park Wait Time Adjust, Partition Lighting Adjust, Passenger Seat RA Lumbar Support Oper, Passenger Seat RA Pelvis Support Oper, Passenger Seat RA Side Support Oper, Passenger Seatbelt Warning Buzzer Function, Passenger Take Key, Passive Mode (Security System), PBD Assist Close Operation, PBD Assist Open Operation, PBD Buzzer Function, PBD Buzzer Tone, PBD Buzzer Volume Adjust, PBD Close SW Press Condition, PBD Close SW Waiting Time, PBD One Motion, PBD Power Operation, PBD SW Operation, PBD/Emblem Sensor Function, PCS Alarm Activation Distance Retention Setting 1, PCS Alarm Activation Distance Retention Setting 3, PCS Cooperate Function, PCS Operation State Retention Setting, PCS Reminder Buzzer Sound, PCS Warning Sensitivity Retention Setting, PCS Warning Timing State Stored 3, Pilot Injection Volume, Pilot Injection Volume Select Cylinder, Pilot Injection Volume Value, 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 Back Door Opening Adjust, 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, Pre Air Conditioner Defrosting Function, Prevention of Key Left in Vehicle, Prohibition Flag of FHL Function, Projection Adjustment (Distortion), Projection Adjustment (Keystone), Projection Adjustment (Tilt), Proposal Service Frequency Adjust, Proposal Service Volume Adjust, Proposal Services Function, Provision of When Door is Half Open, Proximity Sound Control (Vehicle Stationary), Proximity Sound Level Increase (Vehicle Starting), Proximity Sound Volume Adjustment , PSD Buzzer (LH), PSD Buzzer (RL), PSD Buzzer (RR), PSD Buzzer Function (LH), PSD Buzzer Function (RH), PSD Kick Sensor Sensitivity Adjust (LH), PSD Kick Sensor Sensitivity Adjust (RH), PSD One Touch SW Adjust (LH), PSD One Touch SW Adjust (RH), PSD One Touch SW Function (LH), PSD One Touch SW Function (RH), PSD Preparation for Open Function, PSD SW Operating Condition Setting (LH), PSD SW Operating Condition Setting (RH), PSD SW Operation (LH), PSD SW Operation (RL), PSD SW Operation (RR), PSD Wireless Function (LH), PSD Wireless Function (RH), PSD Wireless One Motion Function (LH), PSD Wireless One Motion Function (RH), PSD Wireless SW Setting (LH), PSD Wireless SW Setting (RH), P-Seat Auto Pattern, R Wiper Stop Function at Back Door/Trunk Lid Open, RA Ottoman Operation, Rain Mode, RCTA Function, RCTAB Function, RCTAB Operation Timing Setting, RCTAB Sensitivity, Rear A/P HI Set, Rear Center Seatbelt Warning Buzzer Function, Rear Curtain Close Relay, Rear Curtain Open Relay, Rear Left Master SW Shade Function, Rear Left Seatbelt Warning Buzzer Function, Rear Right Master SW Shade Function, Rear Right Seatbelt Warning Buzzer Function, Rear Seat Interference Avoidance Function (P), Rear Seatbelt Warning Buzzer, Rear Seatbelt Warning Buzzer Function, Rear Shade Delay Time, Rear Sunshade linked with Shift Lever R Funct, Rear SW Auto Operation, Rear Wiper INT Operation, Rear Wiper Washer Function, Rear Wiper with Reverse Setting, Recog ECU H Temp Hist Reset, Refrigerant Pressure History Clear, Refrigerant Shortage Check, Relax with Ottoman Up, Relax with P-Seat Lift, Relax with P-Seat Slides, Remote Air Conditioner Start Setting, Remote Air Conditioner Stop Setting, Remote Door Lock Setting, Remote Eng Start Stop Setting (Trunk Lid Opened), Reset A/C Information, Reset Memory, Residential Area Mode Setting, Response Time Adjust, Return with Passenger Seat, Reverse Buzzer Setting, Reverse Coupled Actuation Mirror Angle, Reverse Coupled Actuation Mirror Angle Setting, Reverse Range Front Sensor, Right Headlight Shade Angle Setting, RL Back View Auto Memory Operation Function, RL Back View Memory Operation Slide Pos Setting, RL Business Mode Operation Site Change Function, RL Door Open Return Auto Function, RL Door Open Return Reinstatement Auto Function, RL Entertain Mode Operation Site Change Function, RL Entertain Mode P-Seat Target Position Setting, RL Interference Avoidance Operation Area Setting, RL Manual Ottoman Close Finish Buzzer Function, RL Memory Operation Ottoman Position Setting, RL Occupant Condition Setting, RL Ottoman Operation Buzzer Function, RL Pressure Correction Function, RL Refresh Spot Heater Upper Limit Temp Setting, RL Relaxation Mode Operation Site Change Function, RL Riding Position Operation Function, RL Seat A/C and Heater Sensitivity Adjust, RL Seat Back Finish Buzzer Function, RL Seat Back Operation Order Change Setting, RL Seat Heater Auto Function, RL Seat Lift Up Buckle Operation Function, RL Seat Operation Site Change Function, RL Warmth Refresh Heater Level Setting, RL Window Auto Down, RL Window Auto Down From Driver, RL Window Auto Up, RL Window Auto Up From Driver, Roof Opened Intrusion Function, Room Light when Aprchd, R-pos to Rear Sun Shade COM, RR Back View Auto Memory Operation Function, RR Back View Memory Operation Slide Pos Setting, RR Business Mode Operation Site Change Function, Rr Corner Sensor Long Distance Detection (Shift R), Rr Corner Sensor Onset Range, RR Door Open Return Auto Function, RR Door Open Return Reinstatement Auto Function, RR Entertain Mode Operation Site Change Function, RR Manual Ottoman Close Finish Buzzer Function, RR Memory Operation Ottoman Position Setting, RR Occupant Condition Setting, RR Ottoman Operation Buzzer Function, RR Pressure Correction Function,

RR Refresh Spot Heater Upper Limit Temp Setting, RR Relaxation Mode Operation Site Change Function, RR Riding Position Operation Function, RR Seat A/C and Heater Sensitivity Adjust, RR Seat Back Finish Buzzer Function, RR Seat Back Operation Order Change Setting, RR Seat Heater Auto Function, RR Seat Lift Up Buckle Operation Function, RR Seat Operation Site Change Function, Rr Sensor Onset Range, RR Warmth Refresh Heater Level Setting, RR Window Auto Down, RR Window Auto Down From Driver, RR Window Auto Up, RR Window Auto Up From Driver, S-Belt-Bkl-Lgt/ACC OFF, S-Belt-Bkl-Lgt/Door Open, Scuff Plate Lamp linked to D-Door Unlock SW, Scuff Plate Lamp linked to Door open, Scuff Plate Lamp linked to Smart, Scuff Plate Lamp linked to Wireless Key, Seat Airflow Mode Setting, Seat Belt Warning, Seat Blast Mode Setting, Seat Heater Auto Operation, Seat Lift Up Distance Adjust, Seat Move Distance, Seat Position Voice Control Function, Seat position/Tilt Telesco memory recall setting, Seat Switch Link Function, Seat Travel Distance, Seatbelt Information Indicator, Security Alarm Setting, Security control with mechanism key, Security Control with Mechanism Key Function, Security System, Sedan/Wagon Setting, Sensitivity, Sensitivity Adjust, Sensor Condition N, Servomotor Initialization, Set Temperature Shift, S-FLOW Control Auto Function, Shade Upper Area Lighting Function, Shift Control Synchronization, Shift Lever R Signal Delay Time Adjust, Shift Linked Automatic Door Lock Function, Shift Linked Automatic Door Unlock Function, Side Sensor Alarm Function, Side Sensor Onset Range, Slide Link Cushion Length Ctrl, Slide Link Hdrest Length Ctrl, Slide Roof Open Warning, Slide Roof Open Warning Function, Slide Roof Voice Control Function, Software Error History, Sonar Mode, Speed Alarm Buzzer Function, Speed Limit Display Function, Speed Linked Automatic Door Lock Function, Speed Linked Automatic Door Unlock Function, Start Indicator Function, Start Off Mode, Start PreA/C, Start Switch Light Function, Starter Exchange, Steering Angle Adjustment, Steering Heater Auto Function, Steering Heater Sensitivity Adjust, Step Light Lighting Time, Stop PreA/C, SUBARU/Toyota, Sudden Braking Notification Function, Suggestion Service Function, Switch Grille Shutter Control Mode, Switch Oil Maintenance Display, T1 RoomLamp BatterySave, Tacho Meter Mode, Tail Remind Buzzer, Tail Remind Buzzer Function, Telematics Microphone Volume Adjust, Telematics Speaker Volume Adjust, Temporary Mute Function, Temporary Mute Reset Speed Adjust, Timing Adjustment of PSD Prep for Open Function, Tire Circumference Setting, Tire Pressure Sensor Registration, Torque Sensor Adjustment, Total Warm-up Time Setting, Touch Activation Over Threshold, Touch Panel Reaction Time Adjust (Multi Operation), Town Mode, Traffic Sign Recognition Animation Function, Trunk Lid Linked with Door Lock Function, Trunk Lid Open Mode Function, Trunk Lid Operation, Trunk Lid Operation by Electrical Key Function, Trunk Lid Operation by Entry Function, Trunk Link with Door Lock, Trunk Open Mode, 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), Units By Region, Unlock 2 Operation, Unlock Key Twice, Unlock Key Twice Function, User Support Service 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, Valet Mode Cancel, Video Device Connection Check(mm), Voice Guidance Function, VSC/TRAC/4WD Control Prevention Mode, Walk Away Lock after Getting Out Func (Closing), Walk Away Lock after Getting Out Function, Warm-up Time Setting, Warning by Glass Broken Sensor, Warning by Horn, Warning by Horn Function, Warning Time, Window Open Warning, Window Open Warning Function, Wiper Specification Switch, Wiper Voice Control Function, Wireless Auto Lock, Wireless Backdoor Open Operation Adjust, Wireless Buzzer Resp, Wireless Buzzer Response Function, Wireless Buzzer Vol, Wireless Buzzer Volume, Wireless Buzzer Volume Setting, Wireless Control, Wireless Control Function, Wireless Glass Hatch Open, 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 PBD Operation, Wireless Power Back Door Open, Wireless PSD Operation (RL), Wireless PSD Operation (RR), Wireless PSD SW Operation (LH), Wireless PSD SW Operation(RL), Wireless PSD SW Operation(RR),

Wireless Trunk Lid Open Operation Adjust, Wireless Unlock Twice Function, Write VIN, Zero Point Calibration, Zero Point Calibration Sensitivity Check, ECU Data Initialization, Recognition Camera Axis Adjust

1106 new Actuation type special tests:

2nd START Indicator, 4LO Indicator, 4WD AUTO Indicator, 4WD Control Prevention Mode, 4WD Indicator (Green), 4WD Indicator (Yellow), 4WD Lock Indicator, 4WD Warning, 4WD Warning Light, A/C Idle Up VSV, A/F Control, A/M Servo Pulse(FR D), A/M Servo Pulse(FR P), A/O Servo Pulse(FR D), A/O Servo Pulse(FR P), A/O Servo Pulse(Rr D), A/O Servo Pulse(Rr P), 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, ABS Solenoid (SFLH), ABS Solenoid (SFLR), ABS Solenoid (SFRH), ABS Solenoid (SFRR), ABS Solenoid (SRLH), ABS Solenoid (SRLR), ABS Solenoid (SRRH), ABS Solenoid (SRRR), ABS Warning Light, A-C Driving Demand, Access to Rear Seat Signal, Accumulator Valve, Accumulator Zero Down, ACM Inhibit, Activate DPF Rejuvenate (PM), Activate DPF Rejuvenate (S), Activate DS1 Solenoid, Activate DS2 Solenoid, Activate DSL Solenoid, Activate EGR Cooler Bypass VSV, Activate Fuel Pressure Switching Valve, Activate Fuel Route Switching Valve Relay, Activate Lock Up, 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 SLS Solenoid, Activate SLT Solenoid, Activate SLU Solenoid, Activate SR Solenoid, Activate ST Solenoid, Activate the (Inverter) Water Pump, Activate the 4WD Lock Light, Activate The ACC Cut Relay, Activate the Air Inlet Damper Target Pulse, Activate The Air Pump Heater, Activate the Circuit Relay, Activate The Coolant Water Route Switching Valve, Activate the Coolant Water Route Switching Valve 2, Activate The EGR Valve Close, Activate the Electric Heater1 Relay, Activate the Electric Heater2 Relay, Activate the Electric Heater3 Relay, Activate The Electric Water Pump, Activate The Emergency Solenoid Valve, Activate the Engine Oil Pressure Control Valve, Activate the EVAP Purge VSV, Activate The FHL, Activate The Fuel Filler Opener, Activate the Fuel Pressure Discharge, Activate The Fuel Pump Speed Control, Activate The Fuel Pump2 Speed Control, Activate The Fuel Return Pipe Valve, Activate The Fuel Vapor-Containment Valve, Activate the In-tank Fuel Pump Relay, Activate The LPG Solenoid Valve, Activate the Mirror Heater Relay, Activate The Power Window, Activate The Pre-Stroke Control Valve, Activate the Rear AC Magnet Valve, Activate The Return Solenoid Valve, 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 (SLN), Activate the Solenoid (SLS) High/Low, Activate the Solenoid (SLS) MAX/MIN, Activate The Solenoid(Sc), Activate The Solenoid(Slp), Activate The Starter Relay, Activate the TC Terminal, Activate The Vacuum Pump, Activate The VALVEMATIC After Warm Up, Activate The VALVEMATIC Before Warm Up, Activate The VN Turbo Cleaning, Activate The VSV For AICS, Activate The VSV For Canister Control, Activate The VSV For Evap Control, Activate The VSV For Exhaust Brake, Activate The VSV For Fuel Pressure Up Control, Activate The VSV For Intake Control, Activate The VSV For Purge Cut, Activate The VSV For Swirl Control Valve, Activate The VSV For Tank Bypass, Activate The VSV For Vent Valve, Activate The Water Flow Valve 3, Activate The Water Flow Valve 4, Activate The Water Flow Valve 5, Activate the Water Heater, Activate The Water Pump, Activate Vent VSV, Active TRC Indicator, ACTIVE TRC Warning, Advanced Parking Guidance Indicator, Advice Display, AFS Alarm Display, AFS Indicator (Malfunction) Display, AFS OFF Indicator, AHS LH High Beam, AHS RH High Beam, Air Bypass Valve Solenoid, Air Inlet, Air Inlet Damper (Rear), Air Inlet Damper Targ Pulse~Air Inlet Damper Targ Pulse, Air Mix Damper (Driver Side), Air Mix Damper (Passenger Side), Air Mix Damper (Rear), Air Mix Servo Targ Pulse(D), Air Mix Servo Targ Pulse(D)~Air Mix Servo Targ Pulse(D), Air Mix Servo Targ Pulse(P), Air Mix Servomotor Pulse D Side, Air Outlet (Front), Air Outlet (Rear), Air Outlet Damper (Driver Side), Air Outlet Damper (Passenger Side), Air Outlet Damper (Rear), Air Outlet DEF, Air Outlet DEF~Air Outlet

DEF, Air Outlet Rear FOOT (Driver Side), Air Outlet Rear FOOT (Driver Side)~Air Outlet Rear FOOT (Driver, Air Outlet Rear FOOT (Passenger Side), Air Outlet Rear FOOT (Passenger Side)~Air Outlet Rear FOOT (Pas, Air Outlet Servo Pulse (P)~Air Outlet Servo Pulse (P), Air Outlet Servometer Pulse (D), Air Purifier Mode, Air Purifier(Ion), Air Suspension Indicator (HI), Air Suspension Indicator (LO), Air Suspension Indicator (N), Alternator Voltage Control, A-O Servo Pulse(Rr P)~A-O Servo Pulse(Rr P), ARS Warning Light, ASL Indicator, ASL Warning, Assist Fan, 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 High Beam Control Indicator, Auto High Beam Warning Indicator, Auto Leveling Headlamp Indicator, Auto Light, Auto LSD Indicator, Auto LSD Indicator Light, Auto Mode, Auto Oil Supply System, Automated EVAP Test, Automatic High Beam, Automatic High Beam Indicator, Automatic High Beam Indicator (Green), Automatic High Beam Indicator (Yellow), Automatic High Beam Operation, Automatic High Beam Switch Light, Auxiliary Battery Warning, AVS Comfort Indicator, AVS Sports Indicator, Batt Cool Down Servo Targ Pls, Battery Charge, Battery Cooling Fan Control, Battery Magnetic Valve, BH Operated Light, BH Standby Indicator, BH Standby Light, Blower Level, Blower Motor, Blower Motor~Blower Motor, Brake Ejector VSV, Brake Hold Indicator, Brake Override Warning, Brake Warning, Brake Warning Light, BSM Indicator, BSM OFF Indicator, BSM Switch Indicator (Daytime), BSM Switch Indicator (Night/ Moving), BSM Switch Indicator (Night/ Stopped), Buzzer, Buzzer Operation (1.6khz, Buzzer Operation (2.0khz, Buzzer Operation (2.4khz, Buzzer Operation (800hz, Cargo Light, Catalyst OT Misfire Prevention F/C, Ceiling Light, Cell Monitor Control, Cent Consol Spot LGT, Center DIFF LOCK Indicator, Charge Indicator, Charge Warning, Charge Warning (Red), Check Display, Check Engine Warning, Check Mode, Clearance Light, Clearance Light (+ Front Side Marker Light), Clearance Sonar Indicator (Daytime), Clearance Sonar Indicator (Night Running), Clearance Sonar Indicator (Night Stopping), Clearance Sonar Switch Activation, CNG Mode Indicator, 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 Check, Compression Test, Compressor Motor Relay, Compressor Target Speed, Connect The TC And TE1, Control The A/C Cut Signal, Control The A/C Magnet Clutch, Control the ACIS VSV Motor Duty Ratio, Control The All Cylinders Fuel Cut, Control The All Cylinders Fuel Cut(CNG), Control The C/D, Control the Cylinder#1 Fuel Cut, Control the Cylinder#2 Fuel Cut, Control the Cylinder#3 Fuel Cut, Control the Cylinder#4 Fuel Cut, Control the Cylinder#5 Fuel Cut, Control the Cylinder#6 Fuel Cut, Control the Cylinder#7 Fuel Cut, Control the Cylinder#8 Fuel Cut, Control The EGR Step Position, Control The EGR Step Position Bank 1, Control The EGR System, Control The Electric Cooling Fan, 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 Exterior Valve Angle, Control the Exhaust VVT OCV Duty Ratio Bank 1, Control the Exhaust VVT OCV Duty Ratio Bank 2, Control The Fuel Pump / Speed, Control the Fuel Pump Duty Ratio, Control The Idle Fuel Cut Prohibit, Control The Injection Mode, Control The Injection Volume For A/F Sensor, Control The Injection Volume(CNG), Control the Intake VVT OCV Duty Ratio Bank 1, Control the Intake VVT OCV Duty Ratio Bank 2, Control The Intercooler Water Pump, Control The Line Pressure Up, Control The Lock Up, Control the Motor/Generator Cooling Oil Pump, Control The Select Cylinder Fuel Cut, Control The Selected Cylinder Fuel Cut, Control the Shift Area (CVT), Control the Shift Position 4 Speed, Control The Shift Ratio (CVT), Control the Target Fuel Pressure Offset, Control the Transmission Oil Pump, Control The VVT Linear (Bank1), Control The VVT System (Bank1), Control the VVT-iE Linear (Bank 1), Control the VVT-iE Linear (Bank 2), Control the Wastegate Valve Duty Ratio, Cool A/M Servo Pulse(D), Cool A/M Servo Pulse(P), Cool Air Bypass Damper (Driver Side), Cool Air Bypass Damper (Passenger Side), Cool Air Bypass Pls(P), Cool Air Bypass Pulse, Coolant Cool Warning Lamp, Coolant Hot Warning Lamp, Cooling Electric

Expansion Valve, Cornering Lamp Test, Cornering Light, Cornering Light-Front Side Illuminate Light, Cornering Light-Front Side Illuminate Light (Dim), Courtesy SW Signal, Crawl Control Light, CRAWL Indicator, CRAWL Warning, Cruise Control-PCS-LKA Buzzer, Cruise Indicator, Cruise Indicator (Yellow), Cushion Length, D-4S (A/F Control), D-4S (Fuel Cut), D-4S (Injection Volume), DAB Indicator Light, Damper Step FL, Damper Step FL (Electric Current), Damper Step FR, Damper Step FR (Electric Current), Damper Step RL, Damper Step RL (Electric Current), Damper Step RR, Damper Step RR (Electric Current), Day/Night Time signal, Daytime Running Light, D-Door Unlock, DEF A/O Servo Pulse(D), Defogger Relay Rear, Dehumidification Magnetic Valve, Deicer Relay Front, Delivery Heater, Delivery Shut Valve, Diesel Particulate Filter Warning, Diesel Throttle Target Angle, Diesel Throttle Target Angle 2, Diesel Throttle Target Angle Bank 1, Diffuse Pulse(R), Dimmer Signal, Disconnect System Function Check, Display Mode, Door Lock, Door Lock/Unlock Status Lamp, Door Open Warning, Downhill Assist Control Indicator, Downhill Assist Control Light, Downhill Assist Control Warning, Drift From The Lane Indicator, Drift From The Lane Warning, Drive Swivel Motor LH, Drive Swivel Motor LH LEFT, Drive Swivel Motor RH, Drive Swivel Motor RH RIGHT, Drive The Leveling Motor, Driver Side Seat Belt Warning, DSS Signal Buzzer, DSU Solenoid, Easy Access Buckle, EBS Relay, ECB Control Invalid, ECB Main Relay, ECB Main Relay 2, ECB Main Relay2, ECB Motor Relay, ECB Motor Relay2, ECB Solenoid (SC1), ECB Solenoid (SC2), ECB Solenoid (SCC), ECB Solenoid (SGH), ECB Solenoid (SLA), ECB Solenoid (SLA) Valve Close, ECB Solenoid (SLAFL), ECB Solenoid (SLAFL) Valve Close, ECB Solenoid (SLAFL) Valve Open, ECB Solenoid (SLAFL2), ECB Solenoid (SLAFR), ECB Solenoid (SLAFR) Valve Close, ECB Solenoid (SLAFR) Valve Open, ECB Solenoid (SLAFR2), ECB Solenoid (SLARL), ECB Solenoid (SLARL) Valve Close, ECB Solenoid (SLARL) Valve Open, ECB Solenoid (SLARL2), ECB Solenoid (SLARR), ECB Solenoid (SLARR) Valve Close, ECB Solenoid (SLARR) Valve Open, ECB Solenoid (SLARR2), ECB Solenoid (SLR), ECB Solenoid (SLR) Valve Close, ECB Solenoid (SLRFL), ECB Solenoid (SLRFL) Valve Close, ECB Solenoid (SLRFL) Valve Open, ECB Solenoid (SLRFL2), ECB Solenoid (SLRFR), ECB Solenoid (SLRFR) Valve Close, ECB Solenoid (SLRFR) Valve Open, ECB Solenoid (SLRFR2), ECB Solenoid (SLRRL), ECB Solenoid (SLRRL) Valve Close, ECB Solenoid (SLRRL) Valve Open, ECB Solenoid (SLRRL2), ECB Solenoid (SLRRR), ECB Solenoid (SLRRR) Valve Close, ECB Solenoid (SLRRR) Valve Open, ECB Solenoid (SLRRR2), ECB Solenoid (SMC), ECB Solenoid (SMC/SRC/SCC), ECB Solenoid (SMC1), ECB Solenoid (SMC2), ECB Solenoid (SMC-SRC-SCC), ECB Solenoid (SRC), ECB Solenoid (SSA), ECB Solenoid (SSC), ECB Warning, ECB Warning Indicator, ECB Warning Light, ECO Mode Indicator, ECONO Indicator, ECT PWR Indicator, ECT SNOW Indicator, EGR Cut VSV, EGR Step Position, EGR Step Position #2 Control, Electric Heater1, Electric Heater2, Electric Heater3, Electric Water Heater, Electrical Fan, Emergency Exit Warning, Emission Pulse(R), Enforced Driving FHL Warning Trigger, EPB Auto OFF Indicator, EPB Control Switch, EPB Warning Light, EPS Warning, EV Drive Indicator, EV Mode Indicator, EV System Wakeup Control, Evaporator Magnetic Valve, Exhaust Bypass VSV Control, Exhaust Gas VSV Control, Exhaust Shutter VSV, Exhaust Solenoid1, Exhaust Solenoid2, Exhaust Switching VSV, EXO, Exterior Lighting SW, Extra High Beam, Face A/O Servo Pulse(D), Face A/O Servo Pulse(P), Face Direction Check, FC Air Compressor, FC Stack Negative Relay, FC Stack Positive Relay, FC Water Pump, FL Gas Spring Switch Valve, FL Wheel Up/Down, Foot A/O Servo Pulse(D), Foot A/O Servo Pulse(P), Four-Wheel Damping Force Full Hard, Four-Wheel Damping Force Full Soft, Fr Control Rear Air Outlet Damper Servo Motor, FR Gas Spring Switch Valve, FR Wheel Up/Down, 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 Fog Light Relay, Front Foot Light, Front Gate Valve, Front Left Air Mix Damper Control Servo Motor, Front Left Air Outlet Damper Control Servo Motor, Front Left Height Solenoid, Front Left Seat Blower, Front Left Seat Heater, Front Left Solenoid, Front Left Wheel Up/Down, Front Right Air Mix Damper Control Servo Motor, Front Right Air Outlet Damper Control Servo Motor, Front Right Height Solenoid, Front Right Seat Blower, Front Right Seat Heater, Front Right Solenoid, Front Right Wheel Up/Down, Front Vertical Operation, Front Washer Relay, Front Wheel Up by Accumulator, Front Wheel Up/Down, Front Wiper Hi Operation, Front Wiper

Lo Operation, Front/Rear Buzzer, Fuel Cap Reminder Warning, Fuel Cooler VSV, Fuel Cut Bank 2 For Idle, Fuel Filler Opener, 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 Injector Timing, Fuel Leak Test, Fuel Lid, Fuel Lid Opener, Fuel Pressure Relief Valve Open, Fuel Pump - Duty Cycle, Fuel Pump Duty Control, Fuel Pump Single Phase Energization, Fuel Pump Single Phase Energization (U Phase), Fuel Pump Single Phase Energization (V Phase), Fuel Pump Single Phase Energization (W Phase), Fuel Pump Speed Control, Fuel Vapor-Containment Valve, Fuel Warning (CNG), Glass Hatch Open, GLOW Warning, Go To Service Warning, H/B Motor Relay, Hazard, Hazard Answer Back, H-B Motor Relay, HCAC System VSV, HCAC VSV, HCAC VSV Check, Head Light Hi, Head Up Display Indicator, Headlamp Indicator, Headlight Cleaner, Headlight High Beam, Headlight Indicator, Headlight Leveling Indicator, Headlight Leveling Indicator Display, Headlight Leveling Initialize Incomplete Display, Headlight Low Beam, Headlight Relay, Headlight System Malfunction Display, Headrest Front-Rear, Headrest Motor, Heat Exchange Shut Valve, Heater Valve, Heating Electric Expansion Valve, Heating Three-way Valve, Height High Indicator, Height High Warning, HICM System Check, High Beam Indicator, High Beam LH, High Beam RH, High Pressure Magnetic Valve, High Voltage Electric Heater, High-Beam Headlights, Hold Indicator, Hot A/M Servo Pulse(D), Hot A/M Servo Pulse(P), 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), HWD Relay, Hybrid Battery Charge, Hybrid Battery Heater Relay, Hybrid System Warning, Hydrogen Leak Warning, Hydrogen Pump, IAC Duty Ratio, ICS OFF Warning, IG OFF P/W Control Permission Output, Illuminated Entry System, iMT Indicator (Green), iMT Indicator (Yellow), Indicat. Lamp VSC OFF, Indicate AFS OFF Lamp, Indicator Condition, Indicator CRAWL, Indicator For Lighting, Infrared Signal Status, Injection Timing #1, Injection Timing #2, Injection Timing #3, Injection Timing #4, Injection Timing #5, Injection Timing #6, Injection Timing #7, Injection Timing #8, Injection Timing Select Cylinder, Injection Volume, Injection Volume Control, Injection Way Control, Injector Compensation, Inside Handle Illumination, Inspection Mode, Instrument Panel Illumination, Intake Air VSV Control, Intake Control VSV, Intake VSV 2 Control, Intercooler Water Pump Relay, Interior Illumination Light, Interior Illumination Light1, Interior Panel Relay, Interlocking Shift OFF Display, Interlocking Shift ON Display, Intrusion Sensor Power, INTUITIVE P-A LCD Indicator, INTUITIVE P-A LCD OFF Indicator, Ion Generator, ISC Step Position, KDSS Warning, Latch Release, Latch Release Test, LDA Buzzer, LDA Indicator, LDA Indicator (White), LDA Steering Control Indicator, LDA Warning, LED Headlamp Warning, Left High Beam, Left LDA Indicator, Left LDA Warning, Left Turn Signal Indicator, Left Turn Signal Lamp, Left Turn Signal Light, LH Courtesy Light, LH Mirror Up/Down, Lift Up Buckle, Lifter Operation, Light Control Switch (DOWN), Light Control Switch (Single), Light Control Switch (UP), Limited Power Indicator, Lithium Battery Check Indicator, Lithium Battery Hot Indicator, LKA Lane Out Alarm Buzz, Lock Display, Lock Faulty Display, Low Beam, Low Pressure Magnetic Valve, Low Pressure Tank Solenoid, Low-Beam Headlights, Lower Air Mix (Driver Side), Lower Air Mix (Passenger Side), Lower Back, Lower Cushion, LPG Indicator, Luggage Mode Indicator, Luggage Mode Indicator (Yellow), Lumbar Bottom, Lumbar Lift, Lumbar Middle, Lumbar Slide, Lumbar Upper, M/H Bypass Cool Servo Pls, M/H Bypass Hot Servo Pls, Magnetic Clutch Relay, Magnetic Valve Operation, Maintenance Warning, Manual EVAP System Check, Manual SW Indicator, 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), Middle Pressure Magnetic Valve, Mirror Auto Indicator (Daytime), Mirror Auto Indicator (Night Running), Mirror Auto Indicator (Night Stopping), Mirror Fold, Mirror Heater, Mirror Heater Relay, Mirror Return, MMT E Mode Warning, Motor Relay, Motor Relay Control, 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 Lighting, Night View Indicator, Not Available Display, O/D Cut Signal, O-D OFF Indicator, ODO-TRIP Change Switch, OFF Road Guidance Indicator, OFF Road Guidance Warning, Off-road 1 Indicator (Daytime), Off-road 1 Indicator (Nighttime), Off-road 2 Indicator (Daytime), Off-road 2 Indicator (Nighttime), Off-road 3 Indicator (Daytime), Off-road 3 Indicator (Nighttime), Off-road 4 Indicator (Daytime), Off-road 4 Indicator (Nighttime), Off-Road Switch Light, 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, Open Door Warning, Over Speed Indicator, Overheat Display, Oxygen Drive, P Range Display, P Range Indicator, P Supply for Steering Lock, Park Warning, Passenger Side Seat Belt Warning, PBD Buzzer, PBD Close SW Light, PBD Clutch, PBD Motor, PBD Open/Close, PCS Buzzer, PCS OFF Warning, PCS Warning, Pedestrian Protection Warning, Pelvis Support Operation, PKB Full Release Control, PKB Haul Display, PKB Light, PKB Lock Control, PKB Lock1, PKB Release Control, PKB Release1, Power For Intrusion Sensor2, Power For Tilt Sensor, Power Running Board Forced Retracting, Power Supply Air Bleeding Pattern2, Power Windows, PPS Solenoid, PPS Warning, Pre Crash Brake OFF Light, Pre-Charge Pump, PTC Heater, Pump Check Pattern, Pump Motor Relay, Purge Dilution Valve Duty Bank 2, Radar Cruise Indicator, Radar Cruise Indicator (Yellow), Radiator Rotary Valve, RCD OFF Indicator, RCTA Indicator, RCTA OFF Indicator, Ready Indicator, Rear A/M Servo Pulse(P), Rear A-C Mag Valve, Rear Air Mix Damper Control Servo Motor, Rear Air Mix Servo Target Pulse, Rear Blower Level, Rear Blower Motor, Rear Buzzer, Rear Defogger, Rear Defogger Relay, Rear DIFF LOCK Indicator, Rear Fog Lamp, Rear Fog Lamp Indicator, Rear Fog Light Relay, Rear Gate Solenoid, Rear Gate Valve, Rear Inner Wheel Control Indicator, Rear Inner Wheel Control Warning, Rear Left Height Solenoid, Rear Left Seat Blower, Rear Left Seat Heater, Rear Left Solenoid, Rear Left Wheel Up/Down, Rear Leveling Solenoid, Rear Light Indicator, Rear personal light, Rear Right Air Mix Damper Control Servo Motor, Rear Right Height Solenoid, Rear Right Seat Blower, Rear Right Seat Heater, Rear Right Solenoid, Rear Right Wheel Up/Down, Rear Seat Belt Warning, Rear Seat Lumbar Adjustment, Rear Side Buckle Light, Rear Washer Relay, Rear Wheel Up by Accumulator, Rear Wheel Up/Down, Rear Wiper Operation, Rear Wiper Washer Motor Relay, Reductant Discharge, Reductant Filling (Pressure Keep), Reductant Injection Valve, Reductant Pipe Heater, Reductant Pump Check (Backward), Reductant Purge, Reductant Tank Heater, Reductant Warning, Refresh B1, Refresh B2, Refresh B3, Refresh B4, Refresh B5, Refresh C1, Refresh C2, Refresh C3, Refresh C4, Refrigerant Gas Volume Check, Regulator Shut Valve, Relay for Interior Light Auto Cut Function, Release Display, Remote Engine Starter, Reverse Gear Signal, RH Courtesy Light, RH Mirror Right/Left, RH Mirror Up/Down, Ride Mode Indicator, Right High Beam, Right LDA Indicator, Right LDA Warning, Right Turn Signal Indicator, Right Turn Signal Lamp, Right Turn Signal Light, RL Wheel Air Bleeding Pattern, RL Wheel Up/Down, RR Wheel Air Bleeding Pattern, RR Wheel Up/Down, SCV Duty Ratio, Seat Backrest Recline, Seat Heater Active Level, Seat Slide Operation, Secondary Air VSV Control, Security Horn, Security Horn 2, Security Indicator, SET Indicator, Shift-By-Wire Warning, Shock Detection Unlock, Shoulder, Shutter Closing Operation Fixed Length, Shutter Closing Operation Lock Detection, Shutter Half-Open Operation, Shutter Opening Operation Fixed Length, Shutter Opening Operation Lock Detection, Side Back Support, Side Cushion Support, Side Mirror Foot Light, Side Support Operation, Signal Check, SIL Indicator (Down), SIL Indicator (Up), SLC Solenoid, Slip Control System, Slip Indicator Light, Slip Warning, SLS Pressure, 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 (SB),

Solenoid Relay, Solenoid(SB), Solenoid(ST), 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, Speedometer Operation (200km-H, Speedometer Operation (240km-H, Speedometer Operation (280km-H, Speedometer Operation (320km-H, Speedometer Operation (360km-H, Speedometer Operation (400km-H, Speedometer Operation (40km-H, Speedometer Operation (80km-H, Sport Indicator (CVT Sport), Stabilizer Check, Steering Heater, Steering Heater Indicator (Yellow), Steering Wheel Vibration, Step Light, Stoichiometric Ratio Combustion, Stop And Start OFF Indicator, Stop And Start ON Indicator, Stop Lamp Relay, Stop Light Relay, Stop light System Indicator Light, Stratified Charge Combustion, 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), Sub Fuel Tank VSV, Supercharger Control, Swirl Control VSV, Tachometer Operation (0rpm), 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), Taillamp Indicator, Taillight Relay, Target Fuel Pressure Control, Temporary Vehicle Start Up, Test Mode, Test The Turbo Charger Step Motor, Test the Turbo Charger Step Motor #2, Test The Turbo Charger Step Motor Bank 1, Timer Switch (00), Timer Switch (H), Timer Switch (M), Timer Switch (Single), Tire Pressure Indicator, Tire Pressure Light, 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), TRC OFF Indicator Light, TRC(TRAC) Motor Relay, TRC(TRAC) OFF Indicator Light, Trip Reset Switch, Trunk And Back-Door Open, Turbo Boost VSV Control, Turbo Pressure VSV, Turn Light LH Relay Operation, Turn Light RH Relay Operation, Upper Air Mix (Driver Side), Upper Air Mix (Passenger Side), Variable Intake VSV Control, Variable Shade Beam LH, Variable Shade Beam LH/RH, Variable Shade Beam LH-RH, Variable Shade Beam RH, Vehicle Approach Warning OFF Indicator, Vehicle Horn, Vehicle Proximity Notification System Warning, Vehicle Stop Warning, VGRS Warning, Viscous Heater, VN Turbo Open, Vol L, Vol S, 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 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 Off Indicator Light, VSC-TRAC Solenoid (SMF), VSC-TRAC Solenoid (SMR), VSC-TRAC Solenoid (SPFL), VSC-TRAC Solenoid (SPFR), VSC-TRAC Solenoid (SRCF), VSC-TRAC Solenoid (SRCR), VSC-TRAC Solenoid (SRMF), VSC-TRAC Solenoid (SRMR), VSC-TRC(TRAC) Solenoid, VVT Exhaust Linear (Bank 1), VVT Exhaust Linear (Bank 2), VVT Linear (Bank 2), VVT System (Bank 2), VVTL System (Bank 1), VVTL System (Bank 2), W- Damping), Washer Nozzle Heater, Washer Warning, Water Level Warning, Water Pump, Water Temperature Meter Operation (120C, Water Temperature Meter Operation (127C, Water Temperature Meter Operation (50C, Water Temperature Meter Operation (60C, Water Temperature Meter Operation (70C, Water Temperature Meter Operation (80C, Water Temperature Meter Operation (Middle), Wing and Deflector Extend/Fold, Wing Angle, Wing Extend, Wing Fold, Wiper Power Relay, Wireless Buzzer, Wireless Door Lock Diag Mode, W-O Damping),0mph),122F),140F),158F),176F),200mph),240mph),248F),260F),280mph),320mph),360mph), 400mph),40mph),4WD Auto Mode Indicator, 80mph)

New Coverage – USA European

Audi Coverage

- Added coverage for 2124 new system applications

733 new Adjustment type special tests:

03 - Adaptation -J104- with Trailer Stabilization, AAU CL Address, ABS Pumping Characteristic, Access EEPROM Value, Accumulator bleeding, Accumulator charging, Acknowledge Comfort Closing With Flashing Light, Activ. / Deactivation Charging HV Battery, Activate shipping mode, Activate/Deactivate Emergency Braking Flashing, Activate/Deactivate Emergency Warning Flashing, Activate/Deactivate Freeway Blinking, Activate/Deactivate Front Wiper Service Position, Activate/Deactivate Parking Lights, Activate/Deactivate Roller Dynamometer Mode, Activate/Deactivate Water Droplet Removal, Activation Of Bypassvalve Starting In Control Pause Threshold F, Activation Time Of Basic Adjustment Air Conditioner Compressor, Activation Time To Open Rear Lid With Remote Control, Actuation Time To Open Rear Lid With Remote Control, Adapt Automatic Rear Lid Locking At 5 km/h, Adapt Cardan Sync, Adapt Convenience Blinking Cycles, Adapt Opening An Individual Door, Adapt Parking Light at Terminal 15, Adapt Signal Horn At Terminal 15, Adaptation (10) / Long Adaptation (0A), Adaptation Acknowledgement Comfort Locking, Adaptation Acoustic Feedback When Locking, Adaptation Acoustic Feedback When Unlocking, Adaptation ATAS Alarm Delay, Adaptation Automatic Locking, Adaptation Automatic Unlocking, Adaptation Coming Home Function, Adaptation Country Setting Of Intelligent Alarm Horn, Adaptation Feedback For Locking By A Key, Adaptation Feedback For Locking Via RRC, Adaptation Feedback For Unlocking Via A Key, Adaptation Feedback For Unlocking Via RRC, Adaptation Flashing Cycles For Convenience Turn Signal Feature, Adaptation Headlamp Washer System, Adaptation Inclination Sensor Sensitivity, Adaptation Interior Monitoring Sensitivity, Adaptation Leaving Home Function, Adaptation Locking Via Access And Start Authorization, Adaptation Unlocking Via Access And Start Authorization, Adapting Battery Monitoring (Sounder), Adapting Single Door Unlock, Adaption After Adjustment, Adaption Function Reset, Adaptive Brake Light, Additional Heater Glow Plug: Reset Adaptation Values, Additional Heating Lower Threshold Coolant Fluid Temp, Additional Heating Lower Threshold Outdoor Temp, Additional Heating Temp Threshold Big To Med, Additional Heating Temp Threshold Big To Power, Additional Heating Temp Threshold Low To Control Pause, Additional Heating Temp Threshold Low To Med, Additional Heating Temp Threshold Med To Big, Additional Heating Temp Threshold Med To Low, Additional Heating Temp Threshold Power To Big, Additional Heating Temp Threshold Start To Control Pause, Additional Heating Temp Threshold Start To Control Pause Or Add, Additional Heating Threshold For Start Delay Time, Additional Heating Upper Threshold Outdoor Temp, Additional Heating Upper Threshold Coolant Fluid Temp, Adjustable Rear Spoiler Control Unit Data Set 1, Adjustable Rear Spoiler Control Unit Data Set 2, Adjustment, Adjustment Fuel Feed Pump On Low Fuel Level, Adjustment Of Brake Pressure Sensor, Adjustment Of Lateral Acceleration Sensor, Adjustment Of Longitudinal Acceleration Sensor, Adjustment Of Rotation Rate Lateral/Longit. Acc. Sensor, Adjustment Of Steering Angle Sensor, Adjustment: Locking Whilst Driving, Adjustment: Remote Control Conven. Actuation, Adjustment: Unlocking After Key Removal, Adjustment: Unlocking Options, Air Conditioner Compressor Run In, Air Conditioner Heater Output Test, Air Spring Strut Bleeding, Air Spring Strut Charging, Airbag Control Unit: Reset Counter (roll-Over Protection Triggs), Airbag Control Unit: Roll-Over Protection Test, Alarm Delay, Alarm Horn Adjustment, Ambient Light Threshold Coming/Leaving-Home, Analysis 126, Analysis 13, Analysis 14, Analysis 19, Analysis 20, Angular Gear Ratio, Anti-Play Protection Decrease Time, Anti-Play Protection Threshold, Anti-Theft Alarm Delay, Anti-theft Alarm Vehicle Inclination Sensor, Anti-theft System Interior Monitoring, Anti-Theft-System Alarm Delay, Assembly Identification Number, Assistance Driving Light Activation/Deactivation Delay,

Assistance Light Sensor Correction, Audible Feedback When Locking, Audible Feedback When Unlocking, Audible Locking Confirmation, Audible Unlocking Confirmation, Auto Hold Plus Speed Threshold For Reactivation, Auto Hold Plus Speed Threshold For Shunting Situation, Auto Hold Plus Time Span For Shunting Situation, Auto Hold Switch-On Condition "Driver Belt Closed", Auto-Lock, Automatic Addressing Of Control Motors Of Air Condition, Automatic Rear Window Wiping with Reverse Gear, Automatic Start, Automatic Zero Potential Check, Auto-Unlock, Auxiliary Heating, Auxiliary Heating Run On Time, Auxiliary Heating/Venting Aid, Auxiliary Heating/Venting Shut-OFF, Basic Setting, Basic Setting - Calibrate All Wheel Drive Clutch Pump, Basic Setting - Resetting All Adaptations Values, Basic Setting / Bleeding Brake System, Basic Setting Brake Bleeding, Basic Setting Brake Pedal Position Sensor, Basic Setting Brake Pressure Sensor, Basic Setting Electrically Adjustable Steering Column, Basic Setting Headlamps, Basic Setting Headlight, Basic Setting Hydraulic Connections, Basic Setting Integrated Parking Brake, Basic Setting Of Cut-Out Valves, Basic Setting Of Intake Valves, Basic Setting Quit, Basic Setting Seat Occupied Recognition, Basic Setting Steering Angle Sensor, Basic Setting Tire Pressure Monitoring (TPMS), Basic Setting Tire Pressure Monitoring Display (TPMS), Basic Setting Tire Pressure Monitoring System, Basic Setting/Bleed Brake System, Basic Settings (04), Battery BOX Serial Number, Battery Information/Replacement, Battery Monitoring Via Alarm Sounder, Battery Replacement, Battery Separating Deactivation, Battery Separating Relay Deactivation, Battery Serial Number, Bleed, Bleed Brakes, Bleed Pressure Lines, Body Height Wheelhouse Edge Front Left, Body Height Wheelhouse Edge Front Right, Body Height Wheelhouse Edge Rear Left, Body Height Wheelhouse Edge Rear Right, Brake Assist, Brake Booster, Brake Disc Drying Adjustment, Brake Disc Wiper (BDW), Brake Light Dimming, Brake Pad Replacement Step 1, Brake Pad Replacement Step 2, Brake Pressure Sensor Zero Pos. Compensation, Brake Servo Action Adjustment, Brake Stabilization Adjustment, Brake System Bleeding, Brake Temperature Monitoring Information, Braking to Standstill, Calibrate Parking Brake, Calibration Control Units For Heater Element, Calibration Data PreCrash, Calibration Data PreCrash 2, Calibration End Stops Of Air Condition Flaps, Calibration Height Values, Calibration Of Tyre Pressures, Calibration Operating And Display Units For Air Conditioning, Calibration Seat Fan, Calibration Seat Fan Rear, Camera/Video Brightness, Camera/Video Contrast, Camera/Video Saturation, CAN Stop Tx Delay Time, Ceiling Light Module 2 Delay Time For Change Of Dimming Values, Ceiling Light Module Delay Time For Change Of Dimming Values, Central Locking Functions, Central Locking Protection Basic Setting, Changeover To Normal Ride Control Operation, Charging Flap A Cycle Data, Charging Flap B Cycle Data, Chinese Serial Number, Cleaning Rear View Camera Control Time In Production Mode, Clear Counter And Runtime Of Compressor, Clear Counter Of Valve Activation, Clear Duration Mode And Control Activities, Clear VIN, CMC Registration, CO2 Setting, Coding Container Part Number, Coding Container Version, Collision Prevention 1 (Special Methods 1), Collision Prevention 2 (Front-Assist), Combustion Air Blower CO2 Setup, Combustion Air Blower Setting (Low Speed), Comfort Function (Remote Control), Comfort Functions, Comfort Operation (via Remote Control), Comfort Operation: Automatic Roof, Comfort Operation: Closing, Comfort Operation: Opening, Comfort Turn Signals (Cycles), Coming Home Activation Time, Coming-Home Time, Complete Brake Pad Replacement Mode, Component Protection (Vehicle Identification Number), Confirmation Sound, Constant Damper Current Front Left, Constant Damper Current Front Right, Constant Damper Current Rear Left, Constant Damper Current Rear Right, Conti Debug Switch, Continuous Control Of Bypass Valve After Deactivation Of Heater, Controller Coding (07), Counter Reset For Refrigerant Loss Detection, Country Setting, Daytime Running Lights, Daytime Running Lights Dimming (Fog Lights), Daytime Running Lights Dimming (High Beam), Daytime Running Lights Dimming (Low Beam), Deactivate ESP System/Function Test, Deactivate Factory Mode, Deactivate shipping mode, Deactivation Heating Setting, Deactivation Of Longitudinal Acceleration Sensor, Deactivation Temperature For Solar Roof, Debounce Time Reverse Gear Detection, Delay Time Alarm Activation, Delay Time Crash Unlocking, Delay Time For Undervoltage Detection Active Heater, Delay Time

Threshold For Reset Of Running Information To Engine, Delay Timer Before ECU Goes Off, Delayed Accessory Power After Clamp 15 Off, Delayed Accessory Power After Clamp 15 Off Com, Delayed Accessory Power After Clamp 15 Off Edge, Delete fault memory, Delete Iccpd Error Memory, Development Function Deactivation, Dim Value Light Module 2, Direct Test Mode Input, Dosage Pump CO2 Volume Adjustment, Drive Select Standard Setting (Key 1), Drive Select Standard Setting (Key 2), Drive Select Standard Setting (Key 3), Drive Select Standard Setting (Key 4), Duration Maneuver Situation, DWA Driver Door Opening Alarm Delay Adjustm., DWA Interior Monitor Sensitivity Adjustment, DWA Interior Monitoring Data Set Development, DWA Primed Feedback Adjustment, DWA Tilt Sensor Sensitivity Adjustment, Dynamic Steering Recommendation, EC Interior Mirror Turn Down, ECU Serial Number, EEPROM Address, EEPROM Output, Electrically Adjustable Steering Column Easy Entry, Electrically Adjustable Steering Column Soft Stop, Electro Mechanical Parking Brake Deceleration Level, Electromechanical Parking Brake Operational Test, Electronic Brake Booster Bleeding, Electronic Fuel Pump Threshold Amount Of Fuel In Chamber, Electronic Fuel Pump Threshold For Activation Time Active Heate, Electronic Fuel Pump Threshold For Activation Time Before Heati, Electronic Fuel Pump Threshold For Maximum Remaining Time Witho, Electronic Stability Program: Activate Brake Dynamometer Mode, Enable Control Unit, Enabling Code For Vehicle Tracking System, Energy Management Shut-Off Priority Counter, England ROW DWA Alarm Signal Adjustment, Enhancement function encoding, Erase Error Table, Error Mask, Error Mask 2, ESP steering wheel angle sensor adaptation, ESP-Data (Brakes), ESP-Data (Powertrain), Evac And Fill Byte, Extended Electronic Differential Lock (XDS), Factory Mode, Factory Reset, Fog Light Cold Diagnosis, Footwell Lighting Dimming, Footwell Lighting Dimming (With Open Door), Footwell Lighting Dimming (with Terminal 58d), Force Auto Adjust, Fragrancing System Replacing Cartridge In Aroma Receptacle 2, Fragrancing System Replacing Cartridge In Aroma Uptake 1, Friction Coefficient Grade EOL, Front Axle, Front Buzzer Frequency, Front Buzzer Volume, Front Driver Airbag Deactivation, Front Driver Belt Tensioner Deactivation, Front Driver Head Airbag Deactivation, Front Driver Side Airbag Deactivation, Front Passenger Airbag Deactivation, Front Passenger Airbag Shut-Off Switch Deactivation, Front Passenger Belt Tensioner Deactivation, Front Passenger Head Airbag Deactivation, Front Passenger Side Airbag Deactivation, Fuel Level Threshold For Deactivation Electroic Fuel Pump, Fuel Line Filling Setting, Full Application Force For Auto Hold Up And Downhill Swell, Garage Door Opener Control Module, Garage Door Opener Country Setting, Garage Door Opener Distance From Target, Glass Variant, Glove Compartment Activation Time, Glowplug replacement, Go To High Level, Go To High Level And Deactivate Self-Levelling, Go To Normal Level, Go To Normal Level And Deactivate Self Levelling, Go To Normal Level With Narrow Control Tolerance, Go To Pr, Halogen Headlights, Head Light Washer System Adaptation In Production Mode, Headlamp setting, Headlight Adjustment, Headlight Washer Activation Delay, Headlight Washer Activation Time, Heater Or Metering Pump Deactivation, Heater Start (Customer Service), Heater Unblock Setting, Heater Unlock, Heater Unlocking Setting, Heater/Air Conditioning, Heating For Production Setting, Heating for Service Setting, Hella Debug Switch, Highbeam with Assistance Driving Light, Highway/Comfort Blinking, Hill Hold Assist (HHA), HV Battery Charge, HV Battery Control Unit Initialization, Hydraulic Brake Assist (HBA), Hydraulic Brake Assistant (Special Methods 2), Hydraulic Unit Disconnecting Valve Adjustment, Hydraulic Unit Intake Valve Adjustment, Inclination Sensor Sensitivity, Inclination Sensor Threshold, Initialization Accumulator, Initialization Brake Booster, Installation Park Steer Assist (PLA), Insufficient Voltage Threshold, Insufficient Voltage Time Threshold, Interior Monitoring, Interior Monitoring Data Set, Interior Monitoring Sensitivity, Key FOB Clearing, Key FOB Matching, Key Identification Transponder ID, Keyless Locking Optical Feedback, Keyless Unlocking Optical Feedback, Knockout Test Mode, Knockout Timer, Knockout Tmr, Lat. Accel. Sensor Zero Pos. Calibration, Leakage Test, Learn Vehicle Identification Number (VIN), Learned Values (Vehicle Data), Learned Values Reset, Leaving Home Activation/Deactivation, Leaving Home Time, Leaving-Home Time, Light, Light Configuration Externally Rear, Light Configuration Other, Light Configuration Outer Front, Line

Filling Duration, Line Filling Enabling, Lock Blink, Lock Horn, Locking Confirmation (Key Switch), Locking Confirmation (Remote Control), Locking for Coding/Flashing, Locking With Key Switch Optical Feedback, Locking With Remote Control Opt. Feedback, Log-in(11) Adaptation(10), Log-in(11) Basic Settings(04), Log-in(11) Controller Coding(07), Log-in(11) or Coding II(11), Longit. Accel. Sensor Zero Pos. Calibration, Low Beam Response, Low Beam Response (Terminal 15), Low Voltage Shut-Off, Matching The ECU To Fuel Type (Gasoline Or Diesel), Metering Pump Activation, MMI Display Time During Rear Zone Adjustment, Mounting Position Calibration SC, NAR Parking Light Deactivation, Near Field Communication Control Module 1, Near Field Communication Control Module 2, Near Field Communication Control Module 3, NFC FS Debug Switch, NFC MiKo Debug Switch, NFC Rear Debug Switch, Nominal Voltage Dimming, Null Balance Seat Occupied Recognition, Null Balancing Steering Wheel Angle Sensor, Number Of Simultaneously To Be Adapted Keys, OBD Channel, Occupant Detect System, Off Timer Inside Light, Off Timer Inside Light Light Module 2, Open Coupling For Car Manufacture, Overboost (OB)/Overload Operation, Overshoot Time Additional Heating, P Wash Warning, Parameter Group 1, Parameter Group 10, Parameter Group 2, Parameter Group 3, Parameter Group 4, Parameter Group 5, Parameter Group 6, Parameter Group 7, Parameter Group 8, Parameter Group 9, Parameter Read Adaptation, Parking Brake Initialisation, Passenger Detection Multi Contour Seat, Passenger Seat Occupation Recognition Sensor Deactivation, Pdm Defragmentation, Personalization (Key 1), Personalization (Key 2), Personalization (Key 3), Personalization (Key 4), Personalized Settings User Account 1 Name, Personalized Settings User Account 2 Name, Personalized Settings User Account 3 Name, Personalized Settings User Account 4 Name, Personalized Settings User Account 5 Name, Personalized Settings User Account 6 Name, Personalized Settings User Account 7 Name, PLA Dev Msg, PLA Minimum Speed Limitation, PMS CL Address, Pnc Create Vehicle Cert Res, Pnc Delete Contract Req, Pnc Delete Vehicle Key Pair Req, Pnc Diagnostic Push Ack, Pnc Install Contract Req, Pnc Install Root Certificate Container Req, Pnc Report Unknown Root Cert Ack, PODS Rezero, PODS Serial Number Adjustment, Power Adjustable Steering Column Control Module Basic Setting, Power Sunroof Control Module Basic Setting, Pretensioner Left Serial Number, Pretensioner Right Serial Number, Production Process Data 1, Production Routine Blower Regulation, Production Routine Nominal Temperature Inside, Program Remote Control, Programming Data Pretensioner 2nd Row Left, Programming Data Pretensioner 2nd Row Right, Programming Data Pretensioner Left, Programming Data Pretensioner Right, Protection CAN Wakeup, Protection RH850 WakeUp, Pump Calibration, Quick Quiescent Current Analysis, Quickstart - Reset Of Adaption Values, Radio Sender Transfer Setting, Rain/Light Sensor Setup, Rain/light Sensor: Adapting, Read And Write Of Oil Aging Values, Rear Axle, Rear Axle Full Deceleration Adjustment, Rear Buzzer Frequency, Rear Buzzer Volume, Rear Center Belt Tensioner Deactivation, Rear Driver Belt Tensioner Deactivation, Rear Driver Side Airbag Deactivation, Rear Fog Light Dimming, Rear Left, Rear Lid Power Opening Control Unit Checksum, Rear Lid Power Opening Control Unit Data Set Version, Rear Lid Power Opening Control Unit Foot Gesture Detection Eval, Rear Lid Power Opening Control Unit Foot Gesture Detection Time, Rear Lid Power Opening Control Unit Play Protection Decrement I, Rear Lid Power Opening Control Unit Play Protection Decrement V, Rear Lid Power Opening Control Unit Play Protection Increment V, Rear Lid Power Opening Control Unit Reset All Counters, Rear Lid Power Opening Control Unit Threshold Play Protection A, Rear Lid Power Opening Control Unit Threshold Play Protection I, Rear Lid Power Opening Control Unit Transmitter 1 Active Shield, Rear Lid Power Opening Control Unit Transmitter 1 Burst Length, Rear Lid Power Opening Control Unit Transmitter 1 Control Param, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 1, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 2, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 3, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 4, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 5, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 1, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 2, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 3, Rear Lid Power Opening Control Unit Transmitter 1 Timer

Value 4, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 5, Rear Lid Power Opening Control Unit Transmitter 2 Active Shield, Rear Lid Power Opening Control Unit Transmitter 2 Burst Length, Rear Lid Power Opening Control Unit Transmitter 2 Control Param, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 1, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 2, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 3, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 4, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 5, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 1, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 2, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 3, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 4, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 5, Rear Light Left 1 Parameter Set, Rear Light Left 2 Parameter Set, Rear Light Right 1 Parameter Set, Rear Light Right 2 Parameter Set, Rear Passenger Belt Tensioner Deactivation, Rear Passenger Side Airbag Deactivation, Rear Right, Rear Roof Shades Basic Setting, Rear Sliding Roof Basic Setting, Rear Sunroof Control Module Adaptation, Rear Window Outside Mirror Heater Activation Time, Rear Wiper Comfort Function, Recirculation Pump During Auxiliary Heating, Recirculation Pump Lock Adaptation, Recirculation Pump Replacement, Reduced Application Force For Auto Hold Up And Downhill Swell, Referencing LKL1, Referencing LKL2, Reload Pressure Sensor Identification, Remote Control Adaptation, Remote Control Adaptation (Memory Location), Remote Control Barcode, Remote Control Erasing, Remote Control Learning, Remote Control Matching, Remote Control Rear Lid Operating Time, Remote Control Unit Learning, Remote Control: Receiver, Reset Adaptation Parameters, Reset Adaption To Factory Setting, Reset Adaption Value, Reset Adaption Values Potentiometers In Vents, Reset Battery Charging Profiles, Reset Battery Charging Timer, Reset Brake Temperature Monitoring, Reset Clutch Values, Reset Coolant Pump Adaption Values, Reset Counter For Rollover-Bar-Deployment, Reset Crash Detection Signal, Reset Energy Management Counter, Reset Factory Defaults, Reset Frequency Counter, Reset Frequency Counters, Reset Headlight Regulation Counter, Reset Highest Appeared Brake Temperature, Reset Maximum ECU Currents, Reset Maximum ECU Temperatures, Reset Maximum Smart Actuator Currents, Reset Of Adaption Value EDL Closed, Reset Of Adaption Value EDL Open, Reset of Adaption Values, Reset Of Adaption Values Gear Box, Reset Of Adaption Values Oil Ageing, Reset of Adjustment/Calibration Values, Reset Of All Adaptions, Reset Of All Air Condition Counters, Reset Of ECU In Delivery State Of Manufacturer, Reset Of First Filling Status, Reset Of Hydraulic Pressure Sender 1 Offset, Reset Of Identification Data Collected On Lin Bus, Reset Of State Information, Reset Of The Reversible Overcurrent Cutoff, Reset Of Tire Not Fixed Detection Adaption Values, Reset Of Zero Point Brake Pedal Position Sender, Reset Plug-in Cycles of Charging Socket, Reset Rollover Trigger Counter, Reset Temperature Model, Reset To Factory Setting, Rka Reset Dynamic Data, RKA Simulation Mode, RLE Simulation Mode, Roller Test Stand Mode, Roll-Over Bars Deactivation, Roll-Over Bars Trigger Counter Reset, Rollover Protection Test, Roof Roller Blind Basic Setting, Roof Shade Control Module Adaptation, Roof Shades Basic Setting, Safe Confirmation, Screen Wiper Motor: Adapting, Seat Occupant Recognition Basic Setting, Seat Occupied Recognition, Seat Occupied Recognition Control Module Basic Setting, Seat Occupied Recognition Reset, Security Access (16) Adaptation (10) / Long Adaptation (0A), Security Access(16) Basic Settings (04), Selective (Single) Door Locking, Sensor Unit Zero Position Compensation, Service Key Clear Data, Service Light Reset, Set And Reset Parking Brake Motor Piston, Set Brake Application Signals, Set Development Mode Minimum Speed Limitation, Set PLA WPCA Car Corr Factor Development, Set PLA WPCA Min Change Limit Development, Shut Off Conditions, Shutdown Wait Time, Side Marker Lights, Sliding Roof Basic Setting, Sliding Sunroof Basic Setting, SLWR Counter Left, SLWR Counter Right, SmAct Volume Adjustment, Softgab In, Softgab Out, Softgap Down, Softgab Up, Speed limit Maneuver Situation, Start Brake Pad Replacement Mode, Starting Vibration Reduction Adjustment, Start-Up Test Accumulator, Start-Up Test Brake Booster, Static Calibration Routine, Static Calibration Routine Overrun, Steering Angle Initialization, Steering Angle Sensor, Steering Angle Sensor Calibration, Steering Basic Setting, Steering Column

Basic Setting, Steering Wheel Angle Correction For Steering Wheel Deviation Pr, SuFK Developement
Massage, Sunroof Control Module/No Basic Setting, Sunroof Shade Control Module Basic Setting,
Supplementary Heater: Adapting, Supplementary Heater: Reset Adaptation Values, Supplementary
Heater: Reset Starter Interlock, Supplementary Heater: Test, SWaP Function Crypt Data ID, SWaP
Function Transfer Crypt Data, Switch-Off Delay (Low Beam), System Shut-off, Tail Light Dimming,
Take Back Of The Reversible Crash Cutoff, Target Soc Production Mode, Temp Threshold Activate
Climate Control, Temp Threshold Auxiliary Heater: Full Load After Partial Load, Temp Threshold
Auxiliary Heater: Partial Load After Full Load, Temp Threshold Auxiliary Heater: Start After Control
Pause, Temp Threshold Big To Med, Temp Threshold Big To Power, Temp Threshold Low To Control
Pause, Temp Threshold Low To Med, Temp Threshold Med To Big, Temp Threshold Med To Low,
Temp Threshold Power To Big, Temp Threshold Start Out Of Control Pause, Temp Threshold Start To
Control Pause Or Heating Mode, Temperature Difference For Bypass Valve Opening, Temperature
Threshold Auxiliary Heater: Control Pause, Temperature Threshold: Ambient Temperature,
Temperature Threshold: Coolant Temperature, Throttle Body Alignment, Tilt Sensor Sensitivity, Time
Bypass Valve Activated After Caster Finished, Time For Opening Bypass In Control Pause, Tire Pressure
Control Monitoring, Tire Pressure Monitoring System (Tpms) Reset, Tire Pressure Monitoring System
Con?guration, Tolerance Band Of Flap End Stops, Torque Test, Trailer Stabilization, Trailer
Stabilization Enabling, Transfer Configuration, Transmission Grade (Front Window), Transport/Service
Mode, Turn Signal Dimming, Turn Signals in Side Rear View Mirror, Undervoltage Heater Turn-Off,
Unlock Blink, Unlock Horn, Unlocking Con?rmation (Key Switch), Unlocking Con?rmation (Remote
Control), Unlocking With Key Switch Optical Feedback, Unlocking With Remote Control Opt.
Feedback, Uphill Assist Gradient Threshold, Vacuum Level / Hydraulic Brake Booster (HBO/HBV),
Vacuum Pump For Brake System, Variant Encoding, Variants Reduction, Vehicle Equipment Code And
Production Number Combination, Vehicle Excess Length, Vehicle Excess Width, Vehicle Identification
Number, Vehicle Identification Number Provisional, Vehicle Mileage Challenge Adaptation, Vehicle
Road Curb Distance, Vent ESP Hydraulic System, Verify Variant Encoding, Visual Comfort
Operating/Closing Confirmation, Visual Feedback When Locking/Unlocking, Visual Locking
Con?rmation, Wheel Circumference, Wiper Angle Interval Position Adaptation, Wiper Angle Lower
Turning Point Adaptation, Wiper Angle Park Position 1 Adaptation, Wiper Angle Park Position 2,
Wiper Angle Service Position Adaptation, Wiper Angle Upper Turning Point Adaptation, Wiper Error
Mask Mitsuba Development, Wiper Motor Control Unit Data Set, Wiper Motor Control Unit Data Set
2, Wiper Motor Control Unit Data Set 3, Wiper Motor Control Unit Data Set 4, Wiper Setup, Write
Configuration, Write Key Content, Yaw Rate Sensor Detection, Adaptation (10) / Long Adaptation (0A)

773 new Actuation type special tests:

3rd Brake Light, A/C Compressor Regulator Valve, ABS Motor, ABS Return Flow Pump Control Value On
OFF, ABS Return Flow Pump VW Local Control State, Accumulator Activation Test Control Value Moving
Volume, Accumulator Activation Test Control Value Piston Speed, Accumulator Activation Test Control
Value Smart Actuator Speed, Acoustics, Act Tst Precrash ICM Disp Text Ctrl ICM Disp Text, Act Tst
Precrash Pretens Ctrl Tensioning Char, Act Tst Precrash Veh Conditioning Ctrl Veh Conditioning,
Activate Anti-Theft Alarm, Activate ESP System/Function Test, Activation Control Value LRH, Activation
Of Anti Theft Alarm System Control Value, Active Headrest Control Onoff, Actuate Charging Connection
1, Actuate Charging Connection 2, Actuation Ifl Valve, Actuation Ifr Valve, Actuation Lpf1 Valve,
Actuation Lpf2 Valve, Actuation Mci1 Valve, Actuation Mci2 Valve, Actuation Of1 Valve, Actuation Ofr
Valve, Actuation Pump, Actuation RI Emb, Actuation RI Emb (2), Actuation Rr Emb, Actuation Rr Emb
(2), Actuation Vacuum Pump1, Actuation Vacuum Pump2, Actuator Test Crash Intensity 1, Actuator
Test Crash Intensity 2, Actuator Test Crash Intensity 3, Actuator Test Crashsignal Control Crash
Direction, Actuator Test Crashsignal Control Crash Intensity, Actuator Test Crashsignal Control Onoff,
Actuator Test Highvoltage Disable, Actuator Test Highvoltage Disable Control Highvoltage Disable,

Actuator Test Highvoltage Disable Control Onoff, Actuator Test LED Bar Control Value Frequency, Actuator Test Precrash ICM Display Text, Actuator Test Precrash ICM Display Text Control Onoff, Actuator Test Precrash Pretensioner Control Onoff, Actuator Test Precrash Pretensioner Control Side, Actuator Test Precrash Vehicle Conditioning, Actuator Test Precrash Vehicle Conditioning Control Onoff, Actuator Test USM Control Crash Severity, Actuator Test USM Control Onoff, Actuator Test USM Crash Type Front Driver, Actuator Test USM Crash Type Front Passenger, Actuator Test USM Crash Type Pedestrian Protection, Actuator Test USM Crash Type Rear Driver, Actuator Test USM Crash Type Rear Passenger, Actuator Test USM Crash Type Rollover, Actuator Test USM Crash Type Side Driver, Actuator Test USM Crash Type Side Passenger, Actuatoric Test Actuationtime, Actuatoric Test Control Value Actuationtime, Actuatoric Test Control Value Delaytime, Actuatoric Test Delaytime, Additional Heater Activation Test Control Value, Adjustable Rear Spoiler Indicator Light Test Control Value, Aerial Entry And Strt Authorisation Lt Diag Ctrl Val, Aerial Entry And Strt Authorisation Rt Diag Ctrl Val, Aerial For Entry And Start Authorisation Left Diag Ctrl Value, Aerial For Entry And Start Authorisation Right Diag Ctrl Value, Air Conditioner Compressor Regulating Valve Test Control Value, Air Distribution Flap Rear Control Motor Control Value On Off, Air Distribution Front Control Motor Control Value On Off, Air Recirculation Flap Positioning Motor Control Value On Off, Airbag Crash Signal Rest Of World, Airbag Indicator Light Off, Airflow Vlv Ctrl Hyb Batterie Airflow Vlv Tar Pos, Alarm Horn, Alarm Horn Test Control Value, All Lights Rear Left Control Value, All Lights Rear Middle Control Value, All Lights Rear Right Control Value, All Wheel Check Control Value Open Close, Ambient Illumination Test Control Value Channel 1, Ambient Illumination Test Control Value Channel 2, Ambient Illumination Test Control Value Channel 3, Ambient Illumination Test Control Value Channel 4, Ambient Illumination Test Control Value Channel 5, Ambient Illumination Test Control Value Start Parameter, Ambient Light Door Driver Side Front: Contour Lighting, Ambient Light Door Driver Side Rear: Contour Lighting, Ambient Light Door Passenger Side Front: Contour Lighting, Ambient Light Door Passenger Side Rear: Contour Lighting, Ambient Lighting Channel 1 Test Control Value, Ambient Lighting Of Center Console Test Control Value, Ambient Lighting Of Cup Holder Test Control Value, Ambient Lighting Power Supply Test Control Value, Ambient Lighting Rear Channel 1 Test Control Value, Ambient Lighting Roof Channel 1 Test Control Value, Ambient Lighting: Channel 1, Antenna Pow Adjustment Loop Test VW Common Ctrl State Sig Path, Antenna Power Adjustment Loop Test VW Common Control State 1, Antenna Power Adjustment Loop Test VW Common Control State 2, Anti-Theft Alarm Siren/horn, Antn Pow Adjustment Loop Test VW Common Ctrl State Trans Power, Apply Brake Pads Control State, Apply Brake Pads Control Value On Off, Apply Brakes Control State, Apply Brakes Control Value On Off, Approach Brake Pads Control State, Approach Brake Pads Control Value On Off, ASR/ESP Control Lamp, Assembly Mountings Actuators, Auto-Hold Indicator Lamp, Auto-Lock/Unlock for Rear Lid, Automatic Activation Of All Control Motors Control Value On Off, Auxiliary Air Heating Controlled Test Control Value On Off, Auxiliary Air Heating Test Control Value, Auxiliary Heater Fuel Supply, Axle Differential Lock Check Control Value Open Close, Back-Up Lights, Back-Up Lights Left, Back-Up Lights Right, Balacing Mode Cell 1 Balancing, Balacing Mode Cell 2 Balancing, Balacing Mode Cell 3 Balancing, Balacing Mode Cell 4 Balancing, Battery Charging Button Indicator Light, Battery Charging Button Indicator Light Control Value, Blinker Rear Left, Blinker Rear Right, Blinkers, Blinkers Bulb Front Left, Blinkers Bulb Front Right, Blower Activation Control Value On Off, Boost Pressure, Brake Activation Test Control Value Control Input Rod Distance, Brake Activation Test Control Value Input Rod Speed, Brake Activation Test Control Value Speed ??Input Rod, Brake Indicator Lamp, Brake Light, Brake Light By ECD, Brake Light By ECD Brake Light By ECD, Brake Light By Ecd Control State, Brake Light By ECD Control Value On OFF, Brake Light By ECD IO Control Option Brake Light By ECD, Brake Light By ECD VW Local Control State, Brake Light Left, Brake Light Right, Brake Light Test Control Value, Brake Lights, Brake Pedal Appliance Control Value BLS-Control, Brake Pedal Appliance Control Value Brake Light Activation, Brake Pedal Appliance Control Value PAR Control, Brake Pedal Appliance Control Value PAR-Control, Brake System Warning Lamp, Brake System Warning Lamp Brake System Warning Lamp,

Bumper Light Rear Left, Bumper Light Rear Right, Button Indicator Light Test Control Value, Button Indicator Light Test Control Value Indicator Lights, Button Indicator Light Test Control Value Kontrollleuchten, Button Indicator Light Test Control Value Start Parameter, Button Indicator Light Test Indicator Lights, Buzz Test, Buzz Test Control Value, Ceiling Light Mod Int And Read Lights Tst Ctrl Val, Ceiling Light Module Int And Reading Lights Test Ctrl Value, Cell Balacing Control Cell 1 Balancing, Cell Balacing Control Cell 2 Balancing, Cell Balacing Control Cell 3 Balancing, Cell Balacing Control Cell 4 Balancing, Cen Lck Rr Ctrl Tst Ctrl Val Cen Lck Rr Lt, Cen Lck Rr Ctrl Tst Ctrl Val Cen Lck Rr Rt, Cen Lck Rr Ctrl Tst Ctrl Val Rr Lck Ctrl, Central Locking Aerial Diagnosis Control Value, Central Locking Indicator Lamp, Central Locking Indicator Light Test Control Value, Central Locking Rear Control Test Control Value Front Left, Central Locking Rear Control Test Control Value Front Right, Central Locking Rear Control Test Control Value Side Selection, Central Locking Rear Control Test Control Value Start Parameter, Central Locking Rear Control Test Sliding Door Driver Side, Central Locking Rear Control Test Sliding Door Passenger Side, Central Locking Rear Lid Lock Unit Test Sequence Control Value, Central Locking Sliding Door Test Control Value Start Parameter, Central Locking Sliding Door Test Sliding Door Driver Side, Central Locking Sliding Door Test Sliding Door Passenger Side, Central Locking System Locking Unit, Central Locking Unlock Doors Control Value, Central Locking: Lock, Central Locking: Unlock, Centre Left Vent Positioning Motor Control Value On Off, Centre Right Vent Positioning Motor Control Value On Off, Charge Flap Lock A Control Value Connector Locking, Charge Flap Lock A Control Value Flap Locking, Charge Flap Lock B Control Value Connector Locking, Charge Indicator Lamp 1, Charge Indicator Lamp 2, Charging Con A Ind Lights Tst Ctrl Val Con Lck, Charging Con A Ind Lights Tst VW Com Ctrl St, Charging Con A Lck Tst Ctrl Val Con Lck, Charging Con B Ind Lights Tst Ctrl Val Con Lck, Charging Con B Ind Lights Tst VW Com Ctrl St, Charging Con B Lck Tst Ctrl Val Con Lck, Charging Connector A Ind Lights Test Ctrl Val Connector Locking, Charging Connector A Indicator Lights Test Control Value LED, Charging Connector A Locking Test, Charging Connector A Locking Test Ctrl Value Connector Locking, Charging Connector B Ind Lights Test Ctrl Val Connector Locking, Charging Connector B Indicator Lights Test Control Value LED, Charging Connector B Locking Test, Charging Connector B Locking Test Ctrl Value Connector Locking, Charging Cur DC DC Converter Ctrl Val Set Charging Cur DCDC, Circulation Pump, Close Sliding Roof Signal, Close Windows and Roof Signal, Clutch 2 For All Wheel Drive, Clutch Valve 2 For Four-Wheel Drive, Clutch Valve For Four-Wheel Drive, Combustion Air Blower, Combustion Blower Test Control Value On Off, Combustion-Air Blower, Comfort Closing, Comfort Opening, Comp For Multi Contour St Psgr Sd Actuation Tst Ctrl Value, Comp Multi Contour St Dr Sd Actuation Tst Ctrl Val, Comp Multi Contour St Pass Sd Actuation Tst Ctrl Val, Complete Test Of ECU Valves And Pump Motor Control Value On OFF, Compressor (driver Side Multi-Contour Seat), Compressor (passenger Side Multi-Contour Seat), Compressor For Multi Contour St Dr Sd Actuation Test Ctrl Value, Cont Sensrs Extrior Dor Handl Diag Ctrl Val, Contact Sensors For Exterior Door Handle Diagnosis Ctrl Value, Contour Lighting Of Dashboard Test Control Value, Contour Lighting Of Multimedia System Op Unit Test Ctrl Value, Contour Lightng Multimedia Sys Op Tst Ctrl Val, Control KL 30G Control Value, Control Lamp Button Load Profile, Control Line For Dynamic Flashing Light Test Control Value, Control Motor For Air Dist Rear Left Test Ctrl Value On Off, Control Motor For Air Dist Rear Right Test Ctrl Value On Off, Control Motors For Design Covers Test Control Value, Control Unit For Fragrancing System Test Control Value, Control Valve Rear Axle Control Value On OFF, Control Wheel Pressure Wheel, Control Wheel Pressure Wheel Pressure, Convenience And Dr Assist Op Unit 2 Lvl Ind Lmp Test Ctrl Value, Convenience And Dr Asst Op 2 Lvl Ind Lmp Tst Ctrl Val, Coolant Circulation Pump Control Value, Coolant Circulation Pump Control Value On Off, Coolant Pump Control HV Batterie Pump Duty, Coolant Pump Switching Valve, Coolant Shut-Off Valve Control Value, Coolant Shut-Off Valve Control Value On Off, Cooling Valve 1 Hi Voltage Battery Cooling Valve1 Tar Position, Cooling Valve 1 Hybrid Batterie Cooling Valve1 Target Position, Cooling Valve 2 Hybrid Batterie Cooling Valve2 Target Position, Cooling Valve1 Hybrid Batterie Cooling Valve1 Target Position, Cooling Valve2 Hybrid Batterie Cooling Valve2 Target Position, Cooling Vlv 1 Hi V Bat Cooling Valve1 Tar Pos,

Countersteering Check Control Value Torque Control, Countersteering Check Control Value Torque Control, Crash Signal, Ctrl Mot Air Dist Rr Lt Tst Ctrl Val On Off, Ctrl Mot Air Dist Rr Rt Tst Ctrl Val On Off, Cup Holder Ambient Light, Cup Holder With Heater And Cooling Element Test Control Value, Dash Panel Vent Indicator Lamp Test Control Value, Dash Panel Vent Positioning Motor Test Control Value On Off, Daytime Running And Side Light Left 2 Test Control Value, Daytime Running And Side Light Left Led Test Control Value, Daytime Running And Side Light Left Test Control Value, Daytime Running And Side Light Right 2 Test Control Value, Daytime Running And Side Light Right Led Test Control Value, Daytime Running And Side Light Right Test Control Value, Daytime Running Light Left 2 Test Control Value, Daytime Running Light Left Test Control Value, Daytime Running Light Right 2 Test Control Value, Daytime Running Light Right Test Control Value, Daytime Running Lights Bulb 2 Left, Daytime Running Lights Bulb 2 Right, Daytime Running Lights Bulb Left, Daytime Running Lights Bulb Right, Daytime Running Lights LED Module Control Circuit Left, Daytime Running Lights LED Module Control Circuit Right, Daytime Running Lights Test Control Value, Defroster Button Indicator Light Test Control Value, Defroster Flap Control Motor Control Value On Off, Digital Mirror Device Left Supply Test Control Value, Digital Mirror Device Right Supply Test Control Value, Dimming Interior Light Test Control Value, Dimming Left Static Cornering Lighting Control Value, Dimming Right Static Cornering Lighting Control Value, Dipped Beam, Direction Indicator Left, Direction Indicator Right, Display Test, Door Ambient Lighting Front Left Test Control Value, Door Ambient Lighting Front Right Test Control Value, Door Ambient Lighting Rear Left Test Control Value, Door Ambient Lighting Rear Right Test Control Value, Door Contour Lighting Front Left Test Control Value, Door Contour Lighting Front Right Test Control Value, Door Contour Lighting Rear Left Test Control Value, Door Contour Lighting Rear Right Test Control Value, Door Handle Control On, Doors Not Closed Signal, Dosing Pump Test Control Value On Off, Dosing/Metering Pump, Dr Warn Disp Brk Booster Ctrl Val Advice Text Msg, Dr Warn Disp Brk Booster Ctrl Val Brk Sys Warn Lmp, Dr Warn Disp Brk Booster Ctrl Val OBD Stat Lmp, Dr Warn Disp Brk Booster Ctrl Val Warn Ind Lmp, Dr Warn Disp Brk Booster Ctrl Val Warn Text Msg, Dr Warning Disp Brake Booster Ctrl Value Advice Text Message, Dr Warning Disp Brake Booster Ctrl Value Brake Sys Warning Lamp, Dr Warning Disp Brake Booster Ctrl Value Warning Text Message, Driver Side Multi-Contour Seat: Functional Test, Driver Warning Display Brake Booster Ctrl Value OBD Status Lamp, Drv Dynamics Reg Hi Pres Switch Valve 1 Ctrl Value On OFF, Drv Dynamics Reg Hi Pres Switch Valve 2 Ctrl Value On OFF, Drv Dynmcs Reg Hi Pres SW Vlv 1 Ctrl Val On Off, Drv Dynmcs Reg Hi Pres SW Vlv 1 VW Local Ctrl St, Drv Dynmcs Reg Hi Pres SW Vlv 2 Ctrl Val On Off, Drv Dynmcs Reg Hi Pres SW Vlv 2 VW Local Ctrl St, Ds Belt Buckle Illumination, DTC 01486 ESP Function Test, Dynamic Test Actuationtime, Dynamic Test Control Value 1actuatorvalue, Dynamic Test Control Value 1ID Actuator, Dynamic Test Control Value 2actuatorvalue, Dynamic Test Control Value 2ID Actuator, Dynamic Test Control Value 2idactuator, Dynamic Test Control Value 3actuatorvalue, Dynamic Test Control Value 3ID Actuator, Dynamic Test Control Value 3idactuator, Dynamic Test Control Value 4actuatorvalue, Dynamic Test Control Value 4ID Actuator, Dynamic Test Control Value 4idactuator, Dynamic Test Control Value Actuationtime, Dynamic Test Control Value Waitingtime, Dynamic Test Watingtime, Electrically Adjustable Steering Column Test Control Value, Emergency Brake Signal Control State, Emergency Brake Signal Control Value On OFF, Emergency Brake Signal VW Local Control State, Emergency Flashers Control Lamp, Emergency Flashers Indicator Lamp, Enabling For External Systems Test Control Value, Engine Compartment Light, Engine Mount 1, Engine Mount 1 Control Value, Engine Mount 2, Engine Mount 2 Control Value, Enrgy Consumer Switchoff Ctrl Val Cen Lck Rr Rt, Entry And Start Authorisation Aerials Diagnosis Control Value, Entry Light Rear Test Control Value Side Selection, Entry Light Rear Test Control Value Start Parameter, Entwicklerstellglied 01 IO Control Option OBD Status Lamp, Environment Illumination Test Control Value, Error Lamp, Error Text Output, Erweiterte Stellglieddiagnose ABS Pump Motor, Erweiterte Stellglieddiagnose ABS Pump Motor (2), Erweiterte Stellglieddiagnose Front Left ABS Inlet Valve, Erweiterte Stellglieddiagnose Front Left ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Front Left ABS Outlet Valve, Erweiterte Stellglieddiagnose Front Left

ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Front Right ABS Inlet Valve, Erweiterte Stellglieddiagnose Front Right ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Front Right ABS Outlet Valve, Erweiterte Stellglieddiagnose Front Right ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Rear Left ABS Inlet Valve, Erweiterte Stellglieddiagnose Rear Left ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Rear Left ABS Outlet Valve, Erweiterte Stellglieddiagnose Rear Left ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Rear Right ABS Inlet Valve, Erweiterte Stellglieddiagnose Rear Right ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Rear Right ABS Outlet Valve, Erweiterte Stellglieddiagnose Rear Right ABS Outlet Valve (2), Erweiterte Stellglieddiagnose TC ISO 1 Valve, Erweiterte Stellglieddiagnose TC ISO 1 Valve (2), Erweiterte Stellglieddiagnose TC ISO 2 Valve, Erweiterte Stellglieddiagnose TC ISO 2 Valve (2), Erweiterte Stellglieddiagnose TC Supply 1 Valve, Erweiterte Stellglieddiagnose TC Supply 1 Valve (2), Erweiterte Stellglieddiagnose TC Supply 2 Valve, Erweiterte Stellglieddiagnose TC Supply 2 Valve (2), ESP Road Test, ESP Test, ESP-Data (Brake), ESP-Data (Variants), Example Input Output Identifier Controlstate, Exterior Light Entire Test Control Value, Exterior Lighting, Fill Pressure Lines, Flame Monitor/glow Element Unit, Fog Light, Fog Light Left Test Control Value, Fog Light Rear Test Control Value, Fog Light Right Test Control Value, Fog Light Test Control Value Side Selection, Fog Light Test Control Value Start Parameter, Fog Lights, Fog Lights Rear, Fog Lights Rear Left, Fog Lights Rear Right, Fog-Lamps Bulb Left, Fog-Lamps Bulb Right, Footwell Illumination Front Test Control Value, Footwell Illumination Multicolor Control Value, Footwell Illumination Rear Test Control Value, Footwell Light Test Control Value, Footwell Lighting Rear Left, Footwell Lighting Rear Right, Footwell Lights, Footwell Lights Front, Footwell Lights Rear, Fr Wash Pmp Ctrl Heat Wip Arms Tst Ctrl Val, Fresh Air Blower Activation, Fresh Air Flap Positioning Motor Control Value On Off, Front Axle Torque Request, Front Centre Console Ambient Light 1, Front DS Door Trim Ambient Light., Front Fog Lights, Front Footwell Lighting, Front Left ABS Inlet Valve Control Value On OFF, Front Left ABS Inlet Valve Front Left ABS Inlet Valve, Front Left ABS Inlet Valve VW Local Control State, Front Left ABS Outlet Valve Control Value On OFF, Front Left ABS Outlet Valve VW Local Control State, Front Left Abs Solenoid Valve, Front Left Turn Signal Indicator Lamp 2, Front Lid Release Motor Control Value, Front Parking Aid Loudspeaker Control Value, Front Parking Aid Warning Buzzer, Front PS Door Trim Ambient Light., Front Right ABS Inlet Valve Control Value On OFF, Front Right ABS Inlet Valve Front Right ABS Inlet Valve, Front Right ABS Inlet Valve VW Local Control State, Front Right ABS Outlet Valve Control Value On OFF, Front Right ABS Outlet Valve VW Local Control State, Front Right Abs Solenoid Valve, Front Right Turn Signal Indicator Lamp 2, Front Sunroof: Close/Lower, Front Sunroof: Open/Raise, Front Washer Pump Control Unit Front Washing Test Control Value, Front Washer Pump Ctrl Unit Heat Wiper Arms Test Control Value, Front Washing Test Control Value, Front Wiper Service Mode/Position, Front Wiper Tear Wiping, Front-Passenger Airbag Indicator Lamp (off), Fuel Heating Element Actuation Test Control Value On Off, Fuel Metering Pump, Fuel Pre-Heating Heater, Fuel Pump Relay, Fuel Pump Relay Control Test Control Value On Off, Fuel Tank Cap: Lock, Fuel Tank Cap: Unlock, Fuel Tank Flap Lock Control Value, Fuel Tank Flap Unlock Control Value, Fun Lmp Autohold Btn Fun Lmp Autohold Btn, Fun Lmp Park Brk Btn Fun Lmp Park Brk Btn, Function Lamp For Autohold Button, Function Lamp For Autohold Button Fun Lamp For Autohold Button, Function Lamp Parking Brake Button, Function Lmp For Autohold Btn IO Ctrl Opt Fun Lmp For Autohold, Function Lmp Parking Brake Button Fun Lmp Parking Brake Button, Function Lmp PK Brk Button IO Ctrl Opt Fun Lmp PK Brk Button, Function Test Ebkv Stage, Glovebox Unlocking Motor, Glow-Plug with Flame Monitoring, Green Function Lamp Control State, Green Indicator Lamp Control Value On Off, Haldex Trans Act Ctrl Val Haldex Trans Act, Hazard Warn Light SW Functional Illum Tst Ctrl Val, Hazard Warnng. System Indic. Lamp, Hazard Warning Light Switch Functional Illum Test Ctrl Value, Hazard Warning System Indicator Light Test Control Value, HDC Indicator Lamp, Headlamp Cleaning System Relay, Headlight Left Power Supply Test Control Value, Headlight Right Power Supply Test Control Value, Headlight Washer Pump, Headlight Washer System, Headlight Washer Test Control Value, Heated Front Window Indicator Light Test Control Value, Heated Front Window Test Control Value, Heated Rear Window, Heated Rear

Window Activation, Heated Rear Window Indicator Light Test Control Value, Heated Rear Window Test Control Value, Heated Seat Front Left, Heated Seat Front Right, Heated Steering Wheel, Heated Windscreen Relay Test Control Value, Heated Windshield, Heater Engine Coolant Blocking Valve, Heater Glow Plug Test Control Value On Off, High Beam, High Pressure Valve Rear Axle Control Value On OFF, High-Beam Headlight, High-Beams Bulb Left, High-Beams Bulb Right, Hill Descent Assist Indicator Light Test Control Value, Hill Hold Control (HHC), Hill Hold Control Button Led, Hill Hold Control Indicator Lamp, Horn, Horn Relay, Hv Batt. Charge Warning Lamp, Hv Batt.: Sv 1 Coolg.sys.opening, Hv Batt.: Sv 2 Coolg.sys.opening, Hv Batt.:sv 1 Cooling Sys.closing, Hv Batt.:sv 2 Cooling Sys.closing, Hv Batt.immediate Charging Button, HV Battery Charge/discharge Current, Hv Battery: Fan Actuation, Hv Battery: Vent Flap 1, Hv Battery: Vent Flap 2, Hv Charging Cable Indicator Lamp, Hydraulic Pump Hydraulic Pump, Illum Op , Ind Lamp In Electronic Parking Brake Button Ctrl Value On Off, Ind Lmp Electromechanical Park Brk Ind Lmp Electromechanical P, Ind Lmp Electromechanical Park Brk VW Com Ctrl St, Ind Lmp In Elec Park Brk Btn Ctrl Val On Off, Ind Lmp Malf Electromechani Park Brk Ind Lmp Malf Electromecha, Ind Lmp Malf Electromechanical Park Brk VW Com Ctrl St, Indicator Lamp Auto Hold, Indicator Lamp Auto Hold Indicator Lamp Auto Hold, Indicator Lamp For Hold Assist Control Value On OFF, Indicator Lamp Park Brake Button Control State, Indicator Lmp For Electromechanical PK Brk Ind Lmp For Electrom, Indicator Lmp Malf Electromechanical PK Brk Ind Lmp Malf Electr, Inlet Valves Front Left ABS Inlet Valve, Inlet Valves Front Right ABS Inlet Valve, Inlet Valves IO Control Option Front Left ABS Inlet Valve, Inlet Valves IO Control Option Front Right ABS Inlet Valve, Inlet Valves IO Control Option Rear Left ABS Inlet Valve, Inlet Valves IO Control Option Rear Right ABS Inlet Valve, Inlet Valves Rear Left ABS Inlet Valve, Inlet Valves Rear Right ABS Inlet Valve, Int Aerial 1 Entry And Strt Sys Diag Ctrl Val, Int Aerial 2 Entry And Strt Sys Diag Ctrl Val, Interior Aerial 1 For Entry And Start System Diag Ctrl Value, Interior Aerial 2 For Entry And Start System Diag Ctrl Value, Interior Door Handle Illumination, Interior Illumination, Interior Monitoring System Indicator Lamp, Interior Monitoring Vehicle Type, Interior Rear Light, Keyless Antennas: Access/start Authorization, Lck Elec Act Ctrl Val Haldex Trans Act, Left, Left Rear Light, Left Side 2nd Row Actuator Test Precrash Pretensioner, Left Side Actuator Test Precrash Pretensioner, Lens Heater Control Value, Licence Plate Light, License-Plate Lights, LKL1 Actuator Diagnosis Control Value LED, LKL2 Actuator Diagnosis Control Value LED, Lug Comp Aerial Entry And Strt Sys Diag Ctrl Val, Lug Comp Emerg Rel Ind Lmp Tst Ctrl Val, Lug Compartment Aerial For Entry And Strt Sys Diag Ctrl Value, Near Field Communication Antenna Test Control Value, Oil Temperature, Output 1 For Exterior Lighting Test Control Value, Output 10 For Exterior Lighting Test Control Value, Output 11 For Exterior Lighting Test Control Value, Output 12 For Exterior Lighting Test Control Value, Output 13 For Exterior Lighting Test Control Value, Output 14 For Exterior Lighting Test Control Value, Output 15 For Exterior Lighting Test Control Value, Output 16 For Exterior Lighting Test Control Value, Output 17 For Exterior Lighting Test Control Value, Output 18 For Exterior Lighting Test Control Value, Output 19 For Exterior Lighting Test Control Value, Output 2 For Exterior Lighting Test Control Value, Output 20 For Exterior Lighting Test Control Value, Output 21 For Exterior Lighting Test Control Value, Output 22 For Exterior Lighting Test Control Value, Output 23 For Exterior Lighting Test Control Value, Output 3 For Exterior Lighting Test Control Value, Output 4 For Exterior Lighting Test Control Value, Output 5 For Exterior Lighting Test Control Value, Output 6 For Exterior Lighting Test Control Value, Output 7 For Exterior Lighting Test Control Value, Output 8 For Exterior Lighting Test Control Value, Output 9 For Exterior Lighting Test Control Value, Output Tests (03), Outside Warning Light/Door Exit Light Rear Right, Park Brk Mot Lt Closing Stepwise Park Brk Mot Lt Closing Stepw, Park Brk Mot Lt Closing Stepwise VW Com Ctrl St, Park Brk Mot Rt Closing Stepwise Park Brk Mot Rt Closing Stepw, Park Brk Mot Rt Closing Stepwise VW Com Ctrl St, Park Brk Motors Closing Stepwis Park Brk Motors Closing Stepwis, Parking Aid Button Indicator Light Test, Parking Aid Button Indicator Light Test Control Value 1, Parking Brake Button Led, Parking Brake Indicator Lamp, Parking Brake Motors, Parking Brake Motors Closing Stepwise, Parking Brake Motors Parking Brake Motors, Parking Brake Warning Lamp, Parking Brk Mot Lt Closing Stepwise IO Ctrl Opt PK Brk Mot Lt C,

Parking Brk Mot Lt Closing Stepwise PK Brk Mot Lt Closing Stepw, Parking Brk Mot Rt Closing Stepwise IO Ctrl Opt PK Brk Mot Rt C, Parking Brk Mot Rt Closing Stepwise PK Brk Mot Rt Closing Stepw, Parking Brk Motors Closing Stepwise IO Ctrl Opt PK Brk Motors C, Parking Brk Motors Closing Stepwise PK Brk Motors Closing Stepw, Parking Lights Left, Parking Lights Right, Passenger Airbag Off Display, Passenger- Airbag-Off Display Control Onoff, PODS Serial Number, Pressure Test, Ps Belt Buckle Illumination, Pulse-wheel test, Pump For All Wheel Drive Electronic Valve 1, Pump For All Wheel Drive Electronic Valve 2, Pump For All Wheel Drive Electronic Voltage Value, Push Button Leds Control Value, PWM Signal Belt, Radiator Fan Actuation 1, Radiator Fan Actuation 2, Radiator fan control 1 start parameter, Radiator fan control 2 start parameters, Read Configuration, Rear Centre Belt Catch Lighting, Rear Fog Light, Rear Left ABS Inlet Valve Control Value On OFF, Rear Left ABS Inlet Valve Rear Left ABS Inlet Valve, Rear Left ABS Inlet Valve VW Local Control State, Rear Left ABS Outlet Valve Control Value On OFF, Rear Left ABS Outlet Valve VW Local Control State, Rear Left Abs Solenoid Valve, Rear Left Belt Catch Lighting, Rear Left Indicator La, Rear Left Lock Motor, Rear Lid, Rear Light Test Control Value, Rear Right ABS Inlet Valve Control Value On OFF, Rear Right ABS Inlet Valve Rear Right ABS Inlet Valve, Rear Right ABS Inlet Valve VW Local Control State, Rear Right ABS Outlet Valve Control Value On OFF, Rear Right ABS Outlet Valve VW Local Control State, Rear Right Abs Solenoid Valve, Rear Right Belt Catch Lighting, Rear Right Indicator, Rear Right Lock Motor, Rear Roller Blind Test Control Value, Rear Spoiler, Rear Spoiler Position Test Control Value, Rear Sunroof: Close/Lower, Rear Sunroof: Open/Raise, Rear Window Roller Blind Motor, Rear Windshield Unlocking Control Circuit, Rear Wiper, Rear-Window Defogger, Recirculating Pump, Red Function Lamp Control State, Red Indicator Lamp Control Value On Off, Red Warning Lamp Control State, Red Warning Lamp Control Value On Off, Release Both Brakes Control State, Release Both Brakes Control Value On Off, Release Left Brake Control State, Release Left Brake Control Value On Off, Release Right Brake Control State, Release Right Brake Control Value On Off, Remote Start Or Pre Conditioning Relay Control Value, Reserved VW Common Control State, Reset Hv Charge Cable Mating Cyc., Reversing Light, Reversing Light Test Control Value, RGB1 LKL1 Actuator Diagnosis Control Value LED, RGB1 LKL2 Actuator Diagnosis Control Value LED, RGB2 LKL1 Actuator Diagnosis Control Value LED, RGB2 LKL2 Actuator Diagnosis Control Value LED, Right, Right Rear Light, Right Side 2nd Row Actuator Test Precrash Pretensioner, Right Side Actuator Test Precrash Pretensioner, Roller Test Bench Mode, Rolloverbars, Rolloverbars Control Onoff, Roof Blinds Decalibration, Roof Blinds: Close, Roof Blinds: Open, Safe Indicator Light, Safety/Deadbolt Locks Activation, Segment Test, Self Test Ground Cabling Control Value Currentsource, Send Current Map, Send Reference Map, Short Brake Apply Left Control State, Short Brake Apply Left Control Value On Off, Short Brake Apply Right Control State, Short Brake Apply Right Control Value On Off, Side Marker Light Rear Left, Side Marker Light Rear Right, Sliding Sunroof Opening, Sounder Control Value On Off, Static Test, Stopwatch, Sunroof Decalibration Front, Sunroof Decalibration Rear, Swinging Logo Test, Swinging Logo Test Control Value 1, Switch Control Control Value Status Switch, System Adjustment, System Adjustment Control Value, System function test, System Identification, Tail Lights Left, Tail Lights Right, Taillights, Tank Flap, Tank Flap Locking: Actuation, Tank Flap Release, Terminal 58s, Test Drive Activation, Test Drive Deactivation, Text, Theft Protection, Theft Protection Control Option, Theft Protection Control Value, Topview Camera Display Test Control State, Torque Demand Left Level 1, Torque Demand Left Level 2, Torque Demand Left Level 3, Torque Demand Right Level 1, Torque Demand Right Level 2, Torque Demand Right Level 3, Transmission Power Test VW Common Control State, Transmission Power Test VW Common Control State 1, Transmission Power Test VW Common Control State 2, Transmission Power Test VW Common Control State 3, Transmission Power Test VW Common Control State Signal Path, Transmission Power Test VW Common Ctrl State Transmission Power, Trunk and Interior Lights, Trunk Light, Trunk Light Left, Trunk Light Right, Trunk Locking Module, Trunk Motor, Trunk Remote Unlocking, Vacuum Pump For Brakes Actuation Control Value On OFF, Veh Stabilization Prog SW Vlv 1 Ctrl Val On Off, Veh Stabilization Prog SW Vlv 1 VW Local Ctrl St, Veh Stabilization Prog SW Vlv 2 Ctrl Val On Off, Veh Stabilization Prog SW Vlv 2 VW Local Ctrl St,

Vehicle Conditioning, Vehicle Inclination Sensor Indicator Lamp, Vehicle Stabilization Program Switch Valve 1 Ctrl Value On OFF, Vehicle Stabilization Program Switch Valve 2 Ctrl Value On OFF, Video Signal Test Input Output Control Parameter, Warning Beeper, Warning Beeper Warning Beeper, Warning Message, Warning Tone Generator, Wheel Speed Sensor Test Executiontime, Wheel Speed Sensors Index Error Test Control Value Axle, Window Shade Motor Rear, Window Wiper System Rear Test Control Value, Windscreen Heating Control Value, Yellow Warning Lamp Control State, Yellow Warning Lamp Control Value On Off, System Identification

BMW/Mini Coverage

- Added coverage for 444 new system applications

356 new Adjustment type special tests:

A/C compressor run-in protection, Activate electric fuel pump, Activate HUD, Activate intelligent alternator control, Activate Parking Brake After Pad Replacement, Activate power steering, Activate Vehicle Mode, Activate/Deactivate Start/Stop Function, Activate/Deactivate Transportation Mode, Activate/Stop/Status DSC Bleeding(HL), Activate/Stop/Status DSC Bleeding(HR), Activate/Stop/Status DSC Bleeding(Prepare), Activate/Stop/Status DSC Bleeding(VL), Activate/Stop/Status DSC Bleeding(VR), Adaptation (10) / Long Adaptation (0A), Adaptation for idle actuator, Adaptation for Lambda control, Adaptation Of Idle Speed, Adaptation of immobilizer, Adaptation thermostat map, Adapting Of Control Motors, Adaption Function Reset, Adblue Circuit System Drainage, AdBlue pump initialisation, Adjust Fuel Consumption Display Correction Factor, Adjust Injectors - Injector Quantity Compensation-6 Cylinder, Adjust Wastegate Linkage, Adjusting The Electromotive Throttle Controller, Air Duct, Air Mix Flap Initialization, Air Spring Struts Installation/Removal, Airbag Configuration, Alarm Horn Adjustment, Ambient lighting adaptation, Ambient lighting: Automatic addressing, Analog Paddle Reset, Assembly Position Of Window Lifters, Assistance Driving Light Activation/Deactivation Delay, Audible Locking Confirmation, Audible Unlocking Confirmation, Auto. setting air damper control motors, Auto-Lock, Autom. transm. adaptation values reset, Automatic Engine Start-Stop Function: Starter Exchange, Automatic transmission control unit reset, Automatic transmission oil level check, Auto-Unlock, Auxiliary Battery (24V EPS) Exchange, Average consumption display correction, Balance Value Of LL (idle) Program, Basic Setting, Basic Settings (04), Battery Exchange Register, Battery Replacement, Bleed, Bleed Cooling System, Bleed Fuel System, Bleeding Routine Left HA DX, Bleeding Routine Left LI DX, Bleeding Routine Right RE DX, Bleeding Routine Right VA DX, Bluetooth Activate/Deactivate, Bluetooth interface activation/deactivation, Brake Bleed Procedure, Brake Fluid Flush Reminder (CBS) Reset, Brake Pedal Pos. Sensor Zero Pos. Compensat., Calibrate Acceleration Sensor, Calibrate Stepper Motors, Calibration Run of the Flap Motors, Camera functional test, CAN Learning Messages Reset, Central electronics control unit reset, Charge air suspension struts, Classic Memory Reset, Clearing Adaptation Values, Clears the internal error memory of the sensor cluster, CO Adjustment, Coding Data Reset Control, Comfort Operation (via Remote Control), Comfort Turn Signals (Cycles), Coming Home Activation Time, Commissioning Electric Parking Brake, Control unit re-start, Controller Coding (07), Deactivate HUD, Deactivate intelligent alternator control, Deactivate Parking Brake For Pad Replacement, Deactivate Transportation Mode, Default setting of all volume values, Delete Adaptation Variable Camshaft Timing Control, Delete Adaptations, Delete personal data, Delete the personal profile, Diesel Particulate Filter Regeneration, Diesel particulate filter regeneration run, Diesel Particulate Filter Register Replacement, Disassembly position of window lifters, Display And Reset Adaptation Values, Drain air spring struts, Drain Fuel Tank, Driver's Door Power Window Regulator Initialisation, Driving Dynamics Sensor Adjustment, Dry test AdBlue dosing valve, DSC Brake Bleed Procedure, DSC Sensor Adjustment, ECU Reset, EGR valve mounting position, Electrical Steering Column Adjustment - Partial Normalization, Electrical Steering Column Adjustment Normalization,

Electrical Steering Column Adjustment Standardization, EPS: Steering Start-Up, Exhaust flap adaptation, Exhaust Gas Analysis Maintenance Reset, Exhaust Gas Recirculation Valve Basic Setting, Exterior mirror test, Factory Mode, Fill/Empty Pressure Accumulator, First initialization, Flap 1 Activation, Footwell Lighting Dimming (With Open Door), Footwell Lighting Dimming (with Terminal 58d), Frequency Counter Reset For Auto Start-Stop MSA, Front Axle Air Spring Struts Test, Front Brake Pad Wear Indicator Reset, Front Driver/Pass Door Power Window Regulator Initialization, Front Left Air Spring Strut Test, Front Passenger, Front Passenger's Door Power Window Regulator Initialisation, Front Right Air Spring Strut Test, Fuel Consumption Display Adjustment, Head Restraint Adjustment, Headlight range control functional test, Headlight Washer Activation Delay, Head-up display test, Heating and AC Functions: Drain/Fill the Refrigerant Circuit, High-pressure pump adaptation, High-voltage Battery:Read-Out History of Last Chrg Procedure, HV Battery Charge, HV Battery Control Unit Initialization, HVAC: Installation Position of Flap Motors, ICM Sensor Adjustment , Idle Adjustment, Idle Speed Adjust, Idling Quality, Inclination Sensor Sensitivity, Initialise puncture indicator, Initialization Of Both Front Window Lifters, Initialization Of Both Rear Window Lifters, Initialization of Soft Top, Initialization SCR tank system, Initialize New Fuel Pump, Initialize Power Window Regulators, Injection Quantity Compensation, Injector Adaptation, Injector Quantity Adjustment, Injector quantity analysis 4-cylinder engine, Injector quantity analysis 6-cylinder engine, Inspection/Service Interval Reset, Instrument cluster: Date/time configuration, Interior Monitoring Sensitivity, Keyless entry: Deactivate/activate, Knock Sensor Adaptation, Learn Steering End Stop, Learn Valvetronic Limit Positions, Learned Values Reset, Learning of valve lift control end stops, Leaving Home Time, LIN-bus Reset, Load Regulation Adaptation, Log-in(11) Adaptation(10), Log-in(11) Basic Settings(04), Log-in(11) Controller Coding(07), Log-in(11) or Coding II(11), Longitudinal Acceleration Sensor Adjustment, Main beam assistant system self-test, Manual trailer coupling Initialisation, Metered quantity measurement, Microfilter Reset, Microphone Sensitivity Adjustment, Mixture Adaptation, Move the Exhaust Flap into Install Position, Move to exhaust flap installation position, Move to fitting position, MSA Starter Exchange/Reset, MSA: System Check, Neutral Learning Mode, Neutral position detection, Neutral position initialization, Neutral Position Sensor Adapting, Newly Address The Air Distribution Flap Motors, No-Load Current Test, Null Balancing, Octane number adjustment 95 RON, Octane Rating Adaptation, ODPF Offset Value, Oil Service Reset, Particle Filter Exchange, Particle Filter Replacement, Passenger Seat Normalization, Passive tank line connection vent, PDC Sensor Functional Test, Perform Control-module Reset, Program idling speed, Rain Sensor Initialization, RDC Initialization, Read AdBlue tank level values, Read airbag igniter circuits status, Read identification of control units, Read out fuel quality counter, Read Out Measured Values For Automatic Transmission, Rear axle adaptation values reset, Rear Axle Air Spring Struts Test, Rear Brake Pad Wear Indicator Reset, Rear Driver/Pass Side Door Pwr Window Regulator Initialization, Rear Left Air Spring Strut Test, Rear Lid Basic Setting, Rear Right Air Spring Strut Test, Rear Window Outside Mirror Heater Activation Time, Rear wiper test reference run, Rear-axle diff. lock motor wear data reset, Rear-axle differential lock wear data reset, Registration after SCR CAT change, Registration starter exchange, Remote Control Adaptation, Replace Injector1, Replace Injector2, Replace Injector3, Replace Injector4, Replace refrigerant, Reset accelerator position sensor, Reset Adaptation Parameters, Reset Adaptation Value, Reset Adaptation Values, Reset adaptation values air mass system, Reset Adaptation Values And Versions, Reset Adaptations, Reset Adaptions Variants, Reset AdBlue metering module adaptation, Reset after AdBlue exchange adaptation, Reset after changing NOx sensor, Reset after diesel partic. filter replacement, Reset Auxiliary Heater Start Inhibit, Reset CAN adaptation values, Reset Catalytic Converter Adaptation, Reset clutch adaptation values, Reset Control Unit, Reset Cooling Media Compressor Gen. 2.0, Reset EGR Adaptation Values, Reset electric fuel pump adaptation values, Reset exhaust sensor adaptation, Reset Flywheel Adaption Values, Reset Fuel Minimum Quantity Adaption, Reset Fuel Pressure Adaptation, Reset idle adaptation, Reset Injector Adaptation Values, Reset knock control adaptation, Reset Lambda Sensor Adaptation Values, Reset Learned CAN Message, Reset Learning Function, Reset load

adaptation, Reset mixture adaption, Reset puncture indicator, Reset Rear Axis and Learned Can Message, Reset SCR tank system adaptation, Reset sound settings, Reset Start Inhibit Due To Lack Of AdBlue, Reset Start/Stop Counter, Reset Starter Lock, Reset Steering Angle Calibration, Reset Steering Angle Offset Values, Reset steering wheel paddles, Reset swirl flap control adaptation values, Reset the assembly mode, Reset The Production Mode For The Fuel Pump Control Module, Reset Tone Setting, Reset transfer case oil wear data, Reset transmission adaptation values, Reset Transmission Adaption Values, Reset trim control adaptation, Reset uneven running segment times, Reset valve lift adaptation, Reset Vanos Adaptation Values, Reset VVT minimum lift adaptation, Resetting adaptation values start/stop pct., Resistances of airbag igniter circuits, SCR-tank system initialisation, Seat belt fastening assistance adaptation, Seat Control Unit Initialization, Seat Occupancy Detection, Selective (Single) Door Locking, Selector lever control unit reset, Sensor Unit Zero Position Compensation, Service Requirement Reset, Settings, Slide/Tilt Sunroof Initialization, Spark duration diagnosis, Spark duration diagnosis - 4 Cylinder, Spark Plug Maintenance Reset, Start Auto-address for Flap Motors, State Inspection Reminder Reset, Steering Angle Initialization, Steering Angle Sensor Adjustment, Steering Angle Sensor Centering, Steering Basic Setting, Steering column adjustment adaptation, Steering column adjustment initialisation, Steering Column Reset Counter For All Blocked Movements, Steering Wheel Angle Sensor, Stochastic smooth running evaluation, Store Vehicle Reference Level, Suction jet pump activation, Teach-in Exhaust Flap Or Move It Into Installation Position, Test AdBlue metering valve spray pattern, Test of transmission parking lock, Test spray nozzles / exterior mirror heating, Throttle Valve Adaptation, Throttle Valve Adaption, Throttle Valve Basic Setting, Tire Pressure Sensor Registration, TPMS/RDC - Reset Production Mode, Trailer coupling initialization, Transfer Box - Calibration, Transfer Box - Replace Control Unit, Transfer Box (VTG): Replace Control Unit, Transfer Box Oil Change, Transfer Box: Repair, Transfer Case Calibration, Transfer case oil change, Transfer case type encoding, Transm. oil check after TC/mechatr. repl., Transmission - Oil Level Adjustments, Transmission flush function, Transmission oil level indicator, Transmission position P adaptation, Transmission setting adaptation, Transportability High-voltage Battery Unit: Electric Assessment, Turbocharger adjustment, Valve current adapting, Valve lift control end stop run-in, Valvetronic Limit Position Learning Mode, Valvetronic Running-in Phase, Valvetronic: Start-Up, VANOS Adaptation, Variable camshaft timing adaptation, Variable tract intake manifold adaptation, Variant Encoding, Visual Comfort Operating/Closing Confirmation, Visual Locking Confirmation, Visual Locking Confirmation, Window lifter motors: Adapting, Window Lifter Standard Initialization, Windshield Wiper Service Position Adjustment, Windshield wiper test reference run, Zero Speed Learning, Composition of High-volt Battery Unit: Read_Out Serial Number

502 new Actuation type special tests:

A/C Compressor Magnetic Coupling, ABS Pump Activation Test (5 seconds), AC Compressor, AC Control Panel Button - ALL, AC Control Panel Button - Auto Left, AC Control Panel Button - Auto Right, AC Control Panel Button - DEFROST, AC Control Panel Button - GBL Minus Left, AC Control Panel Button - GBL Minus Right, AC Control Panel Button - GBL Plus Left, AC Control Panel Button - GBL Plus Right, AC Control Panel Button - HHS, AC Control Panel Button - KLIMA, AC Control Panel Button - LV Left, AC Control Panel Button - LV Right, AC Control Panel Button - MAX AC, AC Control Panel Button - UML AUC, Acoustic Sensor(Buzzer), Activate Fuel Pump, Activate Radio Module, Activate SDARS, Activate/Stop/Status DSC Pulse Valves(AVHLAVHR), Activate/Stop/Status DSC Pulse Valves(AVVLAVVR), Activate/Stop/Status DSC Pulse Valves(EVHLEVHR), Activate/Stop/Status DSC Pulse Valves(EVVLEVVR), Actuate of the Blower Output Stage, Actuation, Actuator Test, Actuator Tests, Additional EGR Cooler Bypass, Additional Water Pump for Low-temperature EGR Circuit, Air Flow Control 2, Air Suspension Sensor Initialization , Air Valve, Air Valve 2, Alarm System Emergency Power Siren, Alarm System Light-Emitting Diode, at 0%, at 100%, Audio system self test, AutoHold LED Control, Automatic Engine Stop Disable, Auxiliary Water Pump, Backrest Adjustment, Backrest Adjustment: Width, Backrest Head

Adjustment, Balance analog inlet valve, Balance analog MCI valves, Bank 1, Bank 2, BDC Terminal_15 (de-)activation, Black Test Card, Blinkers, Blow Off Valve Exhaust Turbo Actuation, Blower at 80%, Blue Test Card, Boost Pressure Plate 1 Trigger, Boost Pressure Regulator 1, Boost Pressure Regulator 2, Brake flap Open/Close, Brake Light, Brake Lights, Brake Line Mix-up test, Button LED, Button Lighting, Cent. Locking Full Veh. Unlocking, Centr. Lockg. Unlock Driver Door, Central Locking Safe Function, Changing or readout of operating condition DCDC converter 1, Changing or readout of operating condition DCDC converter 2, Check Antennas, Clock Fuel Injector 1, Clock Fuel Injector 2, Clock Fuel Injector 3, Clock Fuel Injector 4, Clock Fuel Injector 5, Clock Fuel Injector 6, Close Slide / Tilt Sunroof (SHD), Close Sliding Head Liner (ESH), Close The Rear Lid, Clutch Control, Clutch Function Test, Clutch Function Test With Delete Angle, Clutch Test, Compression Test, Compressor Clutch, Control Auxiliary Fan, Control Flap Motor Addressing - Direction of Movement, Control Flap Motor Addressing - Emergency Activation, Control Flap Motor Addressing - Emergency Run Limit Position, Control Knob Clockwise Turn, Control Knob Counter-Clockw. Turn, Control Tank Ventilation Valve, Control The Electric Cooling Fan, Control Valve In A/C Compressor, Controlled Air Flow Control, Coolant System Ventilation, Cooling System Ventilation, Cornering Light, Cornering Light Functional Test, Crank Case Vent Heater, Cruise Control Marking Test, Deactivate Hard Disk Protection Mode, Defroster Flap 100%, Defroster Flap at 0%, Delete Coupled Bluetooth Devices, Determining The Injector, Diagnosis Module, Dim mirror, Display Control Test - Bit Pattern 1, Display Control Test - Bit Pattern 2, Display Control Test - Bit Pattern 3, Display Control Test - Bit Pattern 4, Display Control Test - Bit Pattern 5, Display Control Test - Bit Pattern 6, Display Control Test - Bit Pattern 7, Display Control Test - Bit Pattern 8, Display Test, Display: Pow. steering assistance, Distance Control, Door Interior Handle Illumination, Driver Seat Normalization, Dynamic-Pressure Flap at 0%, Dynamic-Pressure Flap at 100%, E-Box Fan Control, EGR Bypass Flap, Electric Coolant Pump, Electric Coolant Pump (50%), Electric Coolant Pump (95%), Electric Fan Actuation, Electric Fan Relay, Electric Fuel Pump, Electrical Fan, Electronic Parking Brake - Start-up, Electronic Parking Brake Service Mode Activation, Electronic Parking Brake Service Mode Deactivation, Electronic Ride Height Control (EHC): Ride Height Sensors, Electronics box, Electronics Box Fan, Emergency Loudspeaker Test, Ended All Actuators Started with Diagnostic, Engine Malfunction Lamp, Engine Oil Quantity, ESP Test, Evaluate the Battery State of Charge, Evaporative System Leak Check, Exhaust Air Flap, Exhaust Flap, Exhaust Gas Recirculation, Exhaust Valve, Exterior Mirror Self Test, Exterior mirror: System self-test, FBM 1 Sensoric Test, FBM 1 Test, FBM 2 Sensoric Test, FBM 2 Test, FBM 3 Sensoric Test, FBM 3 Test, FBM 4 Sensoric Test, FBM 4 Test, FBM 5 Sensoric Test, FBM 5 Test, FBM 6 Sensoric Test, FBM 6 Test, FBM 7 Sensoric Test, FBM 8 Sensoric Test, FBM 8 Test, FKA Blower, Flap Motor Opening - Bel Left, Flap Motor Opening - Bel Left Middle, Flap Motor Opening - Bel Left Outside, Flap Motor Opening - Bel Right, Flap Motor Opening - Bel Right Middle, Flap Motor Opening - Bel Right Outside, Flap Motor Opening - Defrost, Flap Motor Opening - Fan, Flap Motor Opening - FL Fan, Flap Motor Opening - FL Stau, Flap Motor Opening - Left Foot, Flap Motor Opening - Left Layer, Flap Motor Opening - Left Rear Foot, Flap Motor Opening - Left Rear Layer, Flap Motor Opening - Right Foot, Flap Motor Opening - Right Layer, Flap Motor Opening - Right Rear Foot, Flap Motor Opening - Right Rear Layer, Flap Motor Opening - STAU Pressure, Fog Lights, Fold/Unfold Mirrors, Footwell Flap, Fresh Air and Recirculated Air Flap at 0%, Fresh Air and Recirculated Air Flap at 100%, Front, Front Blower, Front Door Power Windows Regulator Initialisation, Front Driver Side Power Window Close, Front Driver Side Power Window Open, Front Left, Front Left Seat Heater Button, Front Left Seat Heating, Front Left Seat Heating Stage 1, Front Left Seat Heating Stage 2, Front Left Seat Heating Stage 3, Front Passenger Side Power Window Close, Front Passenger Side Power Window Open, Front Right, Front Right Seat Heater Button, Front Right Seat Heating, Front Right Seat Heating Stage 1, Front Right Seat Heating Stage 2, Front Right Seat Heating Stage 3, Fuel Injector, Fuel Injector 1, Fuel Injector 2, Fuel Injector 3, Fuel Injector 4, Fuel Injector 5, Fuel Injector 6, Fuel Injector Off 1, Fuel Injector Off 2, Fuel Injector Off 3, Fuel Injector Off 4, Fuel Injector Off 5, Fuel Injector Off 6, Fuel Injector Off 7, Fuel Injector Off 8, Fuel Injector Off Test, Fuel Pressure Regulator, Fuel Pump, Fuel Pump (EKPS) Activation -

120 L/hr, Fuel Pump Activation - Full Load, Fuel Pump Reset, Fuel Pump Timeout, Fuel Quality Recognition, Fuel Tank Vent Valve, Fuel Tank Ventilation Valve, Functional Display, Gear Change Idle Speed Activation, Generator Control, Green Test Card, Headlight Washer System, High Pressure Compressor Bypass 1, High Pressure Pump Relay, High-Beam Headlights, Horn, Horn Relay, HUD Full Brightness, HV Battery Isolation Test, IBS Current Measurement Control, Idle Speed Control Valve, Ignition Relay HDPI, IHKA Indicator Lights, Illumination (LED AC Max) Control, Illumination (LED AC) Control, Illumination (LED All) Control, Illumination (LED AUC) Control, Illumination (LED Auto Left) Control, Illumination (LED Auto Right) Control, Illumination (LED Defrost) Control, Illumination (LED HHS) Control, Illumination (LED Left Seat Heating 1) Control, Illumination (LED Left Seat Heating 2) Control, Illumination (LED Left Seat Heating 3) Control, Illumination (LED Right Seat Heating 1) Control, Illumination (LED Right Seat Heating 2) Control, Illumination (LED Right Seat Heating 3) Control, Illumination (LED UML) Control, Injection Valve 1 Control, Injection Valve 2 Control, Injection Valve 3 Control, Injection Valve 4 Control, Injection Valve 5 Control, Injection Valve 6 Control, Injector (1-3) off (Engine Running Injector KILL Test), Injector (1-4) off (Engine Running Injector KILL Test), Injector (1-6) off (Engine Running Injector KILL Test), Injector (1-8) off (Engine Running Injector KILL Test), Injector (7-12) off (Engine Running Injector KILL Test), Injector B1 (1-4) off (Engine Running Injector KILL Test), Injector B2 (5-8) off (Engine Running Injector KILL Test), Instrument Cluster Self Test, Insulation Test of Cooling Media Compressor - Active High-Side, Insulation Test of Cooling Media Compressor - Active Low-Side, Interior Lighting, Issue Front PDC Signal Tone, Lambda Probe Heating Before Kat (Bank1), Lambda Probe Heating Before Kat (Bank2), LED headlamp test, Left, Left-Rear Power Window: Close, Left-Rear Power Window: Open, Locator Lighting, Lock (Central Locking), Lock All Doors, Lock and Enable, Low-Beam Headlights, Lower Slide / Tilt Sunroof Glass (SHD), LWR Reference Run, Malfunction Indicator Lamp Test, Measured Data Wheel Electronics, MIL Lamp, Mirror Heater, Mirror Heating, Mixed Air Flaps at 0%, Mixed Air Flaps at 100%, Most 3DB, Motor Fan, Move SMC left to bottom left, Move SMC left to bottom right, Move SMC left to top left, Move SMC left to top right, Move SMC right to bottom right, Move SMC right to top left, Move SMC right to top right, MSA Automatic Motor Start-Stop Disabling, MSA2 DEAK SAV, Normal Sleep Mode, No-Signal Test Screen, OBD Readiness Values 1, OBD Readiness Values 2, Oil Change QMVH, Oil Pressure Control, Oil Pressure Control Trigger, Oil Pressure Valve (Regulated Oil Pressure System) Control, Open and Close Radiator Blind, Open rear lid contact switch, Open Slide / Tilt Sunroof glass (SHD), Open Sliding Head Liner (ESH), Open Tailgate (Tailgate Lock Must Be Open), Outlet Valve Rear Right, Output Check Control Gong, Output Tests (03), Oxygen Sensor Heater Bank 1 Sensor 1, Oxygen Sensor Heater Bank 1 Sensor 2, Oxygen Sensor Heater Bank 2 Sensor 1, Oxygen Sensor Heater Bank 2 Sensor 2, Park Distance Control, Parking Brake Lock Test, Parking brake run-in, Parking Brake: Initial Operation, Parking Brake: Workshop Mode, POL Test, Power Down, Pressure Sensor Trim, Pulse-wheel test, Pump Control, Pump Motor, Quantity control valve HDP5, Radiator Blind, Radiator Blind bottom, Radiator Blind Top, Raise Slide / Tilt Sunroof glass (SHD), Read actual electric fuel pump, Read Configuration, Read HVB Serial Numbers, Read Out Battery Status, Read Service Needs, Re-Address, Rear center sun blind, Rear Driver and Passenger Window Regulator Initialization, Rear Driver Side Power Window Close, Rear Driver Side Power Window Open, Rear Driver's Door Power Window Regulator Initialisation, Rear Fog Light, Rear Left, Rear left sun blind, Rear Lift / Lower Sequence, Rear Passenger Door Power Window Regulator Initialisation, Rear Passenger Side Power Window Close, Rear Passenger Side Power Window Open, Rear Passenger's Door Power Window Regulator Initialisation, Rear Right, Rear right sun blind, Rear window lifter: Close, Rear window lifter: Open, Rear Window Washer Pump, Rear Windscreen Wiper, Rear Wiper, Rear-Window Defogger, Recirculation Valve Trigger, Red Test Card, Refrigerant Compressor, Release of Manual Shift Gate, Release Rear Window, Right, Right-Rear Power Window: Close, Right-Rear Power Window: Open, RL window lifter open and close, RR window lifter open and close, Run in Protection for A/C Compressor, Seat Adjustment/Seat Angle Down, Seat Adjustment/Seat Angle Up, Seat Cushion Extension, Seat Fore-And-Aft Adjustment, Seat Height Adjustment, Seat Ventilation Left Button, Seat

Ventilation Right Button, Secondary Air Pump Control, Service Function Measured Data Wheel Electronics, Servo Motor And Clutch Actuation, Set Front Footwell Flaps to 0%, Set Front Footwell Flaps to 100%, Set Front Stratification Flaps to 0%, Set Front Stratification Flaps to 100%, Set Temperature on AC Control - Left, Set Temperature on AC Control - Right, Set the Running-in Protection for Air-condition Compressor, Set Voltage BSD, SHZH Dosing Pump, SHZH Fuel Warm-Up, SHZH Gluestift, Simulate Pressing The Audio Buttons - Eject, Simulate Pressing The Audio Buttons - Mode, Simulate Pressing The Audio Buttons - On/Off, Simulate Pressing The Audio Buttons - Search Left, Simulate Pressing The Audio Buttons - Search Right, Simulate Pressing The Audio Buttons - TP, Smooth running evaluation, Smooth running evaluation - 4 Cylinder, Smooth running test, Solenoid Valve, Solenoid Valve - Tank Ventilation, Sound damper, Speed 1, Speed 2, Speed Cooling Media Compressor, Speed Sensor Test, Start Relay, Start Station Search, Start Up High Voltage Battery, Start-up EDC, Start-up lane change warning sensors, Station Search For Strongest TV Channel, Steering Wheel Vibration, Stepper Motors Self Test, Stratification Flap, Sun Blind Down, Sun Blind Up, Supply DME Power, Supply Injection, Suppress Mirror Glare, Switch cylinder correction, Switch Info Display Off/On, Switch ON / OFF Night Vision Camera Lens Heater, Switch ON / Switch OFF Person Recognition, Switch On/Off Radio Data System, Switch On/Off Traffic Reports, System Identification, System Self-Test, System Test, Tail Lights, Tank Leakage : Heating, Tank Leakage : Pump, Tank Leakage : Valve, Tank Ventilation, Tank Ventilation Valve Actuation, TCU Interface Telephone Emergency, Temporary Activation and Temporary Deactivation, Test Card, Test CD/DVD ejection, Test Screen, Test Tone With 10, Test Tone With 100 Hz, Test Tone With 1000 Hz, Thermostat Control, Throttle Control, Throttle Valve, Time Controlled Sleep Mode, Transfer Pump, Tuner Frequency 88.9 MHz, Turbocharger Coolant Pump, Turn-Signal Indicator Light (Flashing To Indicate Defect), Turn-Signal Indicator Light (Normal Flashing), Unlock All Doors, Unlock Rear Lid, Vanos Exhaust Valve, VANOS Inlet, Vanos Intake Valve, Vanos Outlet, Variable Intake System 1, Variable Intake System 2, VDM: Study the Adjustment Value, Ventilation Flap, VTG Function Check, VVT (VANOS) Relief Relay, VVT Tests, Waste Gate Solenoid (WGS), Wastegate Valve, Water Heater Valve Left, Water Heater Valve Right, Water Pump Control, Wheel Electronics - Warning and Calibration Data, Wheel Speed Sensor Functional Test, Wheel Speed Sensor Supply, Windscreen Washer, Windscreen Washer Pump, Wiper, Wiper end position test, Wiper Service Position,000 Hz,High Voltage Safety Status

Fiat Coverage

- Added coverage for 23 new system applications

93 new Adjustment type special tests:

Active Grill Shutter Replaced, Actuator Calibration, Air-Conditioning Self-Learning, Brake Fluid Replacement/Brake Fluid Reservoir Substitution, Brake Switch Learn, Calibrate Tandem Master Cylinder Sensor, Caliper EPB substitution, CAM Crank Relearn Routine, Check PCM VIN, Clear Engine Auto Restart Crank Counter, Clear Learning Value, Clear Misfire TLC, Clear Steering Pull Compensation, Clear Stored Accumulated Fuel Mass, Clear TPM Sensor Rolls Test Results, Clear TPM Sensor Warnings, Clear Variable Line Pressure Counters, Clutch Pedal Learn, Coolant Three Way Valve Replaced, DTCM Replacement, EGR System Test, Electric Park Brake Management, Enable Brake Pedal, Enable/Disable The Roll Bench Mode, Engine Idle Shutdown Feature Enable/Disable, EPB Assembly Check, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, Exit Logistic Mode, Exit Shipping Mode, Fire Protection System Activate, Front Brake Disc Substitution, Front Caliper Substitution, GSE Injector Adaptation, Heated Seat NTC Validation, HVAC FGA Self Learning Motors Test, Initialize EPS, Intake Phaser 1 Cleaning, Intake Phaser 2 Cleaning, Learn ETC, Longitudinal And Lateral Sensor Calibration, Modify Volumetric Sensors Sensitivity, New Engine Installed, Oil Service Reset, Original VIN Lock, Power Take - Off Unit Replacement, Pressure Sensor Calibration, Production State, Proxi Configuration, Proxi

Configuration Alignment, Quick Learn, Quicklearn 62TE, Quicklearn Non RFE, Quicklearn RFE, RDU Replacement, Rear Brake Disc Substitution(Continental), Reset Accelerator Pedal Adaptives, Reset Adaptive After Oil Change, Reset Adaptive Data, Reset Adaptive Memory, Reset Adaptive Values, Reset Adaptives After Block Change, Reset Air-Fuel Adaptives, Reset Angle Offset, Reset Camshaft Adaptives, Reset ECU, Reset Enhanced Automatic Oil Change Indicator, Reset Memory, Reset Parameters to Default, Reset Service Information, Reset Turbo Adaptives, Reset Turbo Over Boost Counter, Reset VCM Adaptives, Reset VVA Freeze Incorrect Request, Seat Belts Alarm Enable, Seat Belts Alarm Exclusion, Settling Group Caliper and Brake Pads, Steering Angle Calibration, TCC Break In, Throttle Body Self-Learning, Tire Pressure Sensor Registration, TPM Pressure Update to Placard Value, TPMS Calibration, Trailer Hook Presence Disabling, Trailer Hook Presence Enabling, Update Front and Rear Axle Nominal Tire Pressure Values, Valve Body Solenoid Learn , VIN Lock, VVL Cam Crank Relearn, Write Pinion Factor, Write VIN, ABS Unit Bleed

778 new Actuation type special tests:

"EOBD" (Electronic On Board Diagnostic) failure indication, 1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 1st Row Ceiling Light, 2-4 Solenoid, 2C Or 2-4 Solenoid, 2nd Gear Clutch Test (62TE), 2nd Gear Clutch Test (Non-RFE), 2nd Gear Clutch Test (RFE), 2nd Row Ceiling Light, 2WD Rolls Mode, 3rd Gear Clutch Test (62TE), 3rd Gear Clutch Test (Non-RFE), 3rd Gear Clutch Test (RFE), 3rd Row Ceiling Light, 4C Solenoid State, 4th Gear Clutch Test (62TE), 4th Row Ceiling Light, A/C Compressor Clutch Relay Control State, A/C Relay, A/C Request, ABS Lamp, ABS Safety indication, ABS Safety lamp, A-C Compressor Clutch Relay Control State, A-C Relay, A-C Request, Active Grill Shutter Test, Actuate All Heaters, Air Conditioner Relay Command, Air Defrost Motor Distribution (Left side), Air Defrost Motor Distribution (Right side), Air Mix Motor, Air Mode Motor, Air Rear Motor Distribution, Air Vent - Floor Motor Distribution (Left side), Air Vent - Floor Motor Distribution (Right side), Airbag failure indication, Alarm/Doors Status Led, Alarm/Doors Status/Deterrence LED, Alarm-Doors Status-Deterrence LED, All Stop Lights, All Stop Lights W-Combined Rear Lighting, Alternator Field Control State, Alternator Field Duty Cycle, Ambient Dimming, Ambient dimming command, Ambient Illumination; Interior, Ambient Light, AMP Output Short Test, AMP Output Tone Test, Antenna Power, Antilock brake (ABS) failure indication, Anti-lock Brake System (ABS) safety indication, ASR Button lamp, ASR-ESP Safety indication, ASR-ESP Safety Lamp, Audio Measure AC and DC, Audio Routing, Audio Test For Subwoofer Specific, Audio Video Signal Detection, Audio Volume (Current Source), Audio Volume (current source), Audio Volume (ENT), Audio Volume (INFO 1), Audio Volume (INFO 2), Audio Volume (SIG), Auto high beam activation, Auto Shutdown Relay Control State, Autocheck, Automated Driver Door Ajar Signal, Automated Driver Door Open, Automatic High Beam, Auxiliary Coolant Pump, Auxiliary water pump command, Backup Light, Backup Lights, Balance Level Settings, Balance Settings, Bargraph, Bass Level Settings, Bass Settings, Blower Motor, Blower Motor Speed, Blue Lights, Brake Sys Fail Ind, Brake Sys Fail Indication, Brk Sys fail Ind (EBD Included) - Man Park Brk Ind, Brk Sys fail Indication, Button LEDs, Button symbol Back-Light PWM Duty, Buzzer, Buzzer Control, Calibration Sensor, Camshaft valve control position intake command, CEGR H-Bridge Valve Duty Cycle, Ceiling Light, Ceiling Light Front, Ceiling Light Rear Left, Ceiling Light Rear Left or Central, Ceiling Light Rear Right, Central high mounted Stop Light, Central high mounted Stop Light (CHMSL), Central Lock, Central Stop Lamp, Central Unlock, Charge Air Cooler Coolant Pump, Check PCM Odometer, CHSML and Stop/Turn Lights, Clearance Identification Lights Relay, CNG Injector Relay, CNG Shut Off Relay, CNG/Gasoline Forced Fuel Type, Comfort Closing And Opening, Comfort ClosingOpening, Comfort Enable, Command Key Unlock, Command Shift Lock, Control chime, Controlled Valve Operation (CVO) command, Coolant Three Way Valve Test, Cooled EGR H-Bridge Valve System Test, Cylinder 1 Deactivation Solenoid Control State, Cylinder 1 UniAir valve command, Cylinder 2 UniAir valve command, Cylinder 3 UniAir valve command, Cylinder 4 Deactivation Solenoid, Cylinder 4 Deactivation Solenoid Control State, Cylinder 4 UniAir valve command, Cylinder 6

Deactivation Solenoid Control State, Cylinder 7 Deactivation Solenoid Control State, D+ Repetition Relay Command, Day Lights, Day Lights Left, Day Lights Left - Right, Day Lights Left -Right, Day Lights Right, Day Run Light (DRL) Parking Light Left, Day Run Light (DRL) Parking Light Left LED, Day Run Light (DRL) Parking Light Right, Day Run Light (DRL) Parking Light Right LED, Day Run Light (DRL) Parking Turn Light Left, Day Run Light (DRL) Parking Turn Light Right, Daylights and Position Left, Daylights and Position Right, Daylights Halogen Left, Daylights Halogen Right, Daylights Xenon Left, Daylights Xenon Right, Dead Lock Relay, DeadLock Relay, DeadLock Relay-Independent Driver Door Unlock, Defeat Engine ON, Dimming display, Dimming Graphics, Display Dimming, Door Ajar Signal To Front Ceiling Dome, Door Handle Power, Door Handle Power Control, Door Handle Verification Test, Door Locks, Door Status Led, Door Status LED Command, Doors status - deterrence LED, Double Start Override Relay, Downstream lambda probe heater command, DR Solenoid, Drive style 2 LED, Drive Style 2 LED Command, Drive style 3 LED, Drive Style 3 LED Command, Driver Door Ajar Signal To Manual Transmission Automated, Driver Door Ajar Signal To MTA (Manual Transmission Automated), Driver Door Unlock, Driver Doors Status - Deterrence LED, Driver Heated Seat, Driver Seat Backrest Command, Driver Seat Lift Command, Driver Seat Slide Command, Driver Seat Tilt Command, Drivers Window Control, DRL - Front Park Lights, DTI LTR CLNT PMP, Dual Speed Fuel Pump Relay, Dual Speed Oil Pump, Dump Valve, Dump valve command, EBD (Electronic Brake Distribution) safety indication, EBD Safety Lamp, ECO LED, ECO Led Command, ECO-LPG-SS-E-Costing LED Command, EGR Valve Solenoid Duty Cycle, Elec Park Brk Ind, Elec Stabil Ctrl (ESC) Sys Intrvntn - fail Ind HILL HOLDER Sys, Electric Park Brake, Electric Seat Movimentation Relay, Electric Thermostat Heater Solenoid, Electric Thermostat Heater Solenoid Duty Cycle, Electric Vacuum Pump, Electric Wastegate Valve, Electronic Brake Distribution (EBD) safety indication, Electronic Parking Brake (EPB) failure indication, Electronic Parking Brake Indication, Electronic Stability Control (ESC) Indicator, Electronic Stability Control (ESC) OFF lamp indication, Electronic Stability Control (ESC) system deactivation, EMCC VLP Solenoid, Enable sunroof unit, Engine After Run Coolant Pump, Engine Off Injector Toggle Test, Engine Speed Cluster, Engine Water Over Temperature, EOBD And Engine System Fault Lamp, EPB (Electric park brake) Button Led, EPB (Electric park brake) Red lamp, EPB (Electric park brake) Yellow lamp, EPB Failure Lamp, EPB Function Lamp, EPB switch lamp, EPS Adaptive Data Control, ESC (Electronic Stability Control) Safety lamp, ESC (Electronic Stability Control) System Deactivation, ESC / Hill Holder Failure Lamp, ESC Button Lamp, ESC Safety Lamp, ESIM Forced Monitor Test, ETC Throttle Follower Test, External Control Variable Displacement (ECVD), Externalcrown Light Rear Left LED, Externalcrown Light Rear Right LED, Externally Controlled Variable Displacement (ECVD) Command (DC), Fade Settings, Fader Level Settings, Fader Settings, Fan Climate Relay, Flasher - Rear backup Left Light, Flasher - Rear backup Right Light, Flasher Front Left, Flasher Front Right, Flasher Rear - Lateral Left, Flasher Rear - Lateral Right, Flex Fuel reserve indication, Fog Front Light Left, Fog Front Light Right, Fog Lamps, Fog Light Led, Fog Lights, Fog Rear Light Or Second Backup Light, Forward Collision Warning OFF, Frequency Step Selection, Frequency Step Selection Tuner AM-FM, Frequency Step Selection Tuner FM2, Front Ceiling Light, Front Ceiling Light - Inadvertent Lights, Front Ceiling Light + Inadvertent Lights, Front Ceiling Light Command Enable, Front Driver Window Lifter Command Down, Front Driver Window Lifter Command Up, Front DRL Light Xenon, Front Fog Light Left, Front Fog Light Right, Front Fog Lights, Front Fog Lights Halogen, Front Foglights, Front Lateral Left Turn Lights, Front Lateral Right Turn Lights, Front Left Flasher, Front Left Heat Seat Request, Front Lock doors command, Front Mode Door Actuator Position, Front Parking Light, Front Passenger Window Lifter Command Down, Front Passenger Window Lifter Command Up, Front Position Light Xenon, Front Right Flasher, Front Right Heat Seat Request, Front Shut-Off Valve Request, Front Side Marker, Front Unlock, Front Wash, Front Wiper, Front Wiper Test, Fuel Filter Heater, Fuel Filter Heating, Fuel Injector 1, Fuel Injector 1 Control State, Fuel Injector 2, Fuel Injector 2 Control State, Fuel Injector 3, Fuel injector 3 Control State, Fuel Injector 4, Fuel Injector 4 Control State, Fuel Injector 5, Fuel Injector 5 Control State, Fuel Injector 6, Fuel Injector 6 Control State, Fuel Injector 7, Fuel Injector 8, Fuel Injector 8 Control State, Fuel Injector Balance, Fuel Level low, Fuel

Pump Relay, Fuel Pump Relay Command, Fuel Pump Relay Control State, Gas Injector Relay, Gear Lever Position Display Test, Glow Plug / Cold Inhibit Lamp, Glow plug indication - Cold Start inhibition, Hazard LED, Head Lamp Wash, Head Lamp Washer Relay, Heated Rear Window, Heated Rear Window Led Command, Heated Rear Window Relay, Heated Seat Left Request, Heated Seat Right Request, Heated Steering Wheel Request, Heater Rear Mirror, Heater Rear Window, Heating Driver Command, Heating Passenger Command, Heating Steering Wheel Command, HEV Belt-Driven Coolant Pump Clutch Relay, HEV Engine Aux Heater LIN Coolant Pump, HEV Fuel Tank Isolation Valve Solenoid, HEV TPIM Inverter LIN Coolant Pump, High beam headlamp indication, High Beam Indicator, High Beam Left, High Beam Lights, High Beam Right, High Beam Xenon with shutter, High Beams, High Beams Lights, High Beams Lights Halogen, High Side For Diesel Filter Heater Relay Command, High Speed Fan, High Speed Fan Relay, Hill Hold Indicator, Hill-Holder Safety indication, Hill-Holder Safety Lamp-Message, Horn, Horn Relay, Horn relay command, Ice Led, Idle RPM Test, Ignition 1 coil command, Ignition 2 coil command, Ignition 3 coil command, Ignition 4 coil command, Ignition Coil 1, Ignition Coil 2, Ignition Coil 3, Ignition Coil 4, Immobilizer Antenna, In Motion Menu Control, Indicator Lamp Airbag, Injector 1 coil command, Injector 1 command, Injector 2 coil command, Injector 2 command, Injector 3 coil command, Injector 3 command, Injector 4 coil command, Injector 4 command, Inlet Valve FL, Inlet valve FL activation, Inlet Valve FR, Inlet valve FR activation, Inlet Valve Front Left, Inlet valve front left activation, Inlet Valve Front Right, Inlet valve front right activation, Inlet Valve Rear Left, Inlet valve rear left activation, Inlet Valve Rear Right, Inlet valve rear right activation, Inlet valve RL, Inlet valve RL activation, Inlet valve RR, Inlet valve RR activation, Instrument Panel Dimming, Instrument Panel Dimming, Intake Manifold Short Runner Valve (SRV) Solenoid Control State, Intake Manifold Short Runner Valve Solenoid, Intake Manifold Tuning Valve Solenoid, Internal Led Night Lights, Internal Night Lights, Internalcrown Light Rear Left LED, Internalcrown Light Rear Right LED, Inverter, Inverter Enable, Inverter Enable Command, Inverter Switch, IP dimming command, Key LED, Key LED PWM Duty, Key lock command, Key Symbol Back-Light PWM Duty, Lane Dep Warn (LDW) on Not Armed- on Armed- on Warn, Lane Departure Warning (LDW) On Not Armed- On Armed- On Warning, Lane Departure Warning (LDW) user disabled (OFF), Lateral Anti Tilt Sensor, Lateral Anti-tilt X Sensor, LC Solenoid, LCD Back-Light PWM Duty, LCD Symbols, LDW (Lane Departure Warning), LDW on not armed- on armed- on warning, LED Lock Inhibition Rear Widows Lifter, Left (Front/Central/Rear) Turn Lights, Left (Front-Central-Rear) Turn Lights, Left (Front-Rear) Parking Lights, Left Air Distribution Motor, Left Air Mix Motor, Left Air Mix Servo Motor Target Position, Left DRL, Left Front Park Lamp, Left Parking Lights, Left Rear Turn Lights (EMEA), Left Turn Indicator, Left Turn Light Front-Lateral, Left Turn Light indicator, Left Turn Lights, Left Turn Signal Lamp, Left turn signal lamp indication, Licence Plate Lights, License Plate Lamp, License Plate Lights, License Plate Lights Command, Light sensor, LIN Anti Tilt Sensor Check, LIN Line Request Check, LIN Siren Check, LIN Ultrasonic Sensors Check, Locate Learned Keys, Lock - Unlock Steering Wheel, Lock Doors Command, Lock Rear Doors Relay, Longitudinal Anti Tilt Sensor, Low Beam Left, Low Beam Lights, Low Beam Lights Halogen, Low Beam Right, Low Beam Xenon, Low Beams, Low Fuel Lamp, Low Reverse Solenoid, Low Speed Fan Relay, LPG Led Command, Main-Left Temp. Door Actuator Position, Malfunction Indicator Lamp, Mid Range Settings, Mid-Range Audio Level Settings, Mid-Range Settings, Mirror Heater, Mirror LED, Mode Selection, Module Self Test, Motorized throttle command, MS Solenoid, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, Neutral Gate Test (62TE), Neutral Gate Test (RFE), Night lighting command, Night lights, O2 1/1 Heater Duty-Cycle, O2 1/2 Heater Duty-Cycle, O2 1-1 Heater Duty-Cycle, O2 1-2 Heater Duty-Cycle, O2 Heater Test, OBD bypass electrovalve command, On-Demand Self-Test, Outlet Valve FL, Outlet valve FL activation, Outlet valve FR, Outlet valve FR activation, Outlet valve front left activation, Outlet valve front right activation, Outlet Valve Left Front, Outlet Valve Rear Left, Outlet valve rear left activation, Outlet Valve Rear Right, Outlet valve rear right activation, Outlet Valve Right Front, Outlet valve RL, Outlet valve RL activation, Outlet valve RR, Outlet valve RR activation, Over Drive Solenoid, Overdrive Switch Test, Overdrive Switch Test (Non-RFE), OverDrive Switch Test (RFE), Oxygen Sensor

1/1 Heater Duty Cycle, Oxygen Sensor 1/2 Heater Duty Cycle, Oxygen Sensor 1-1 Heater Duty-Cycle, Oxygen Sensor 1-2 Heater Duty-Cycle, Oxygen Sensor 2-1 Heater Duty Cycle, Oxygen Sensor 2-2 Heater Duty Cycle, Parking Assistant LED, Passenger and Rear Doors Unlock, Passenger Door Power Window, Passenger Door Unlock, Passenger Doors Status - Deterrence LED, Passenger Heated Seat Relay, Passenger seat Air-bag manual deactivation indication, Pilot 1 (USV1-Normally Open), Pilot 2 (USV2-Normally Open), Pilot Valve 1, Pilot valve 1 activation, Pilot Valve 2, Pilot valve 2 activation, Position lamp indication, Position Light Relay, Power Down, Power limitation function, Power On and Disable User Inputs, Power Steering Failure Indication, Pressure Control Solenoid Valve, Priming 1 (HSV1-Normally Closed), Priming 2 (HSV2-Normally Closed), Priming Valve 1, Priming valve 1 activation, Priming Valve 2, Priming valve 2 activation, Proportional Purge Solenoid, Proportional Surge Solenoid, PTC High Power (Relay), PTC Low Power (Relay), Puddle Light Command Driver Side, Puddle Light Command Passenger Side, Puddle light Driver (Door handle and door panel), Puddle light Driver side, Puddle light Passenger (Door handle and door panel), Puddle light Passenger side, Puddle Light Rear Driver(Door Handle And Door Panel), Puddle light Rear Left (Door handle and door panel), Puddle Light Rear Passenger(Door Handle And Door Panel), Puddle light Rear Right (Door handle and door panel), Purge canister valve command, Purge Solenoid Duty Cycle, Purge Valve Duty-Cycle, Purge Vapors Test, QVPM Enable Command, Radiator Cooling Fan PWM Cntrl State, Radiator Cooling Fan PWM Control State, Radiator Cooling Fan Relay 1 Control State, Radiator Cooling Fan Relay 2 Control State, Radiator-Condenser Cooling Fan Relay 1 Control State, Radiator-Condenser Cooling Fan Relay 2 Control State, Radio mode selection, Radio Volume, Rain and Automatic Lights Sensors Check, Read VIN, Rear Ceiling Light, Rear Ceiling Light - Inadvertent Lights, Rear Ceiling Light + Inadvertent Lights, Rear Ceiling Light 1st Row, Rear Ceiling Light 2nd Row, Rear Defrost, Rear Department, Rear Door Status LED, Rear Fog Light, Rear Fog Light / Side Marker Lights, Rear Fog Light or Second Backup Light, Rear Fog Light or Second Backup Light - Side Marker Lights, Rear Fog Lights, Rear Fog Lights Left T2 Movable, Rear Fog Lights Right T2 Movable, Rear Fog T2 (Movable), Rear Heated Window, Rear HVAC Blower Motor, Rear Left Turn Light, Rear Left window lifter command, Rear Load Compartment Status LED Command, Rear Parking Light - Side Markers, Rear Parking Light / Side Markers, Rear Parking Lights Command, Rear Reverse Light (Movable), Rear Right And Left Tail T2 (Movable), Rear Right Turn Light, Rear Right window lifter command, Rear Shut-Off Valve Request, Rear Stop Lights (Movable), Rear Trunk light, Rear Turn Lights Left EMEA, Rear Turn Lights Right EMEA, Rear Wash, Rear Window Washer, Rear Window Wiper, Rear Wiper, Rec Motor, Recirc. Door Actuator Position, Recirculation Motor, Recirculation Pump, Recirculation pump activation, Redundant Ignition RUN/START Feed Output Control, Redundant Ignition RUN-START Feed Output, Repetition Driver Door Open For MTA (NCR), Repetition driver door open for MTA (Robotic Gear), Reverse Gear Clutch Test (62TE), Reverse Gear Clutch Test (Non-RFE), Reverse Gear Clutch Test (RFE), Reverse Gear Lights, Reverse Lamp, Right (Front/Central/Rear) Turn Lights, Right (Front-Central-Rear) Turn Lights, Right (Front-Rear) Parking Lights, Right Air Mix Motor, Right Air Mixing Motor, Right DRL, Right Front Park Lamp, Right Parking Lights, Right Rear Tail Light, Right Rear Turn-Stop (NAFTA), Right Temp. Door Actuator Position, Right Turn Indicator, Right Turn Lights, Right Turn Signal Lamp, Right turn signal lamp indication, Safety indication, Safety Indication Adaptive Cruise Control, Safety Indication Forward Collision Warning, Safety Indication Normal Cruise Control, Satellite Digital Audio Radio Service (SDARS) Station Selection, Satellite digital audio receiver (SDAR) station selection, SBMT, SBMT (Supply Battery Monitoring Time), SBMT -Supply Battery Monitoring Time, Screen Test Pattern, SDAR Station Selection, SDARS (Satellite Digital Audio Radio Service) Station Selection, Seat Belt Lamp, Seat belt unfastened Lamp, Seat belt unfastened Warning cycle, Seat Belt Warning Chime, Secondary Air Pump, Secondary Air Solenoid, Seek Status, Seek Status Tuner AM-FM, Seek Status Tuner DAB, Seek Status Tuner Digital Audio Broadcasting (DAB), Set Transference Clutch Torque, Shift Lever Position Test (62TE), Shift Lever Position Test (Non-RFE), Shift Lever Position Test (RFE), Shift Lock Coil Command, Shift Lock Command, Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid 3, Shift Solenoid 4, Shift Solenoid 5, Shift Solenoid 6,

ShiftLock, Side Marker Lamps, Side markers, Side Markers Command, Small Leak Verification Test, Speaker Quadrant Selection, Sport Led, SS LED command, SSB BACKLIGHT Control, Start And Stop Activation, Start Stop activation, StartStop activation, Step Light, Stop - Position - Turn Left Light 1, Stop - Position - Turn Left Light 2, Stop - Position - Turn Right Light 1, Stop - Position - Turn Right Light 2, Stop - Position Left Light 1, Stop - Position Left Light 2, Stop - Position Right Light 1, Stop - Position Right Light 2, Stop All Actuators, Stop And Start Led, Stop Lamp, Stop Light Left, Stop Light Right, Stop Parking Lights Left, Stop Parking Lights Right, Stop Parking Turn Lights Left 1, Stop Parking Turn Lights Left 2, Stop Parking Turn Lights Right 1, Stop Parking Turn Lights Right 2, Stop Start LED, StopStart LED, StopStart LED Command, Sunroof Abilitation, Surge Solenoid Control State, Surge Valve Solenoid, TCC Pressure Control Solenoid, TCM VIN Verification , Thermistor Test, Thermostat activation command, Tire Pressure Module (TPMS), Tire Pressure Module (TPMS), Tire Pressure Module (TPMS) not available-not programmed, Tire Pressure Warning Lamp, Tone Test, TPM Sensor Rolls Test, TPMS Failure Lamp, TPMS Generic Failure Monitoring Lamp, TPMS Warning Light, Treble Level Settings, Treble Settings, Trunk Latch Command relay, Trunk Light, Trunk Light + Inadvertent Lights, Trunk Opening Relay, Trunk Release Relay, Tumble Generator Valve, Turn - Rear backup Left Light, Turn - Rear backup Right Light, Turn Front Lateral Lights Left, Turn Front Lateral Lights Right, Turn Front Light Left, Turn Front Light Right, Turn Light Front - Lateral Left, Turn Light Front - Lateral Right, Turn Light Front Left, Turn Light Front Right, Turn Light Rear - Lateral Left, Turn Light Rear - Lateral Right, Turn Rear Backup Left Light, Turn Rear Backup Right Light, Turn Rear Lateral Lights Right, Tyre Pressure Module (TPMS), Tyre Pressure Module (TPMS) Not Available-Not Programmed, UConnect Live Apps Installation, UGDO (Universal Garage Door Open) enable command, Under Inflation Lamp, Under Inflation Monitoring Lamp, Underdrive Solenoid, Universal Garage Door Open, Unlock Doors, Unlock doors command, Upstream lambda probe heater command, Vacuum Pump Relay, Vehicle Speed Cluster, Video Input Settings, VLP Solenoid, VSO Regeneration Command, VVA Cylinder #1, VVA Cylinder #2, VVA Cylinder #3, VVA Cylinder #4, VVA Cylinder 1, VVA Cylinder 2, VVA Cylinder 3, VVA Cylinder 4, VVA Solenoids Pre-Energization, VVT Exhaust Phaser 1 Actuator, VVT Exhaust Phaser 2 Actuator, VVT Intake Phaser 1 Actuator, VVT Intake Phaser 2 Actuator, Waste Gate Valve, Waste gate valve command, Wastegate Solenoid Control State, Wastegate Solenoid Duty Cycle, Wheel Speed Sensor Functional Test, Window Heater Led, Window Lifter Switch Enable, Windshield heater, Windshield Washer, Windshield Washer Relay, Windshield wiper, Windshield Wiper Relay, ABS (Anti-lock Brake System) safety indication, Elec PK Brk Indication And EPB Fail Indicati, Elect Park Brk Ind and EPB fail Ind

Land Rover Coverage

- Added coverage for 114 new system applications

13 new Actuation type special tests:

Auto Hi Beam On-Of Stat -Electrochromatic Mir O-P Dark, Auto High Beam On-Off Status -Automatic High Beam Requested, Automatic High Beam On-Off Status -Reverse Inhibit Active, Imag Proc Ctrl Mod A On-Of Stat -Leg Soci Auto Engi (SAE N Amr, Image Processing Control Module A On-Off Status -Fog Detected, Image Processing Control Module A On-Off Status -Speed Inhibit, Image Processing Ctrl Mod A On-Of Stat -Camera Obstruction Det, Image Processing Ctrl Mod A On-Of Stat -Hand Traffic, Image Processing Ctrl Mod A On-Of Stat -High Amb Light Inhb, Image Processing Ctrl Mod A On-Of Stat -High Temp Inhibit, Image Processing Ctrl Mod A On-Of Stat -Power Sup Inhibit, Image Processing Ctrl Mod A On-Of Stat -Supply V Inhibit, Self Test - Camera System

Mercedes Benz Coverage

96 new Adjustment type special tests:

Activate/Deactivate Roller Dynamometer Mode, Actuation Of Mixture Adaptation, Adaptation Of Component 'Torque Converter Lockup Clutch', Adaptation Procedure For Torque Converter Lockup Clutch, Adaptation Via Engine Coolant Temperature, Adaptation Via Torque Ranges, Adblue Circuit System Bleeding, Adblue Circuit System Drainage , Adblue Dosing Valve Adaption, Adjust Idle Speed Gear, Adjust Idle Speed P/N, Adjustment Inlet Port Deactivation, Air Mass Meter Initialization, Assignment Of Hydraulic Shift Elements, Correction Programming of Ignition, Definition, Display And Reset Adaptation Values, DVC/DEC Microphone Calibration, ECU Reset, Enabling Of Engine Start After Crash Event, Enrich In Case Of Poor Fuel Quality, Enriching The Fuel-Air Mixture By 10%, Enriching The Fuel-Air Mixture By 23%, Fan Initiate/Stop, Fuel Adaption, Fuel Metering Unit Adjustment, Fuel Mixture Adjustment, Help, Important Information On Adaptation Limit Values, Increase Idle Speed With Range Engaged, Increase Idling Speed, Initial Test/ Oil Condition Check/ Oil Level Check, Initialization After Crash, Injector Coding - Quantity Adjustment, Injector Quantity Adjustment, Injector Quantity Adjustment (8 Cyl), Mixture Adaptation, Normalization of actuator motors, Octane number adjustment 89 RON, Octane number adjustment 91 RON, Octane number adjustment 93 RON, Octane number adjustment 95 RON, Oxidation Catalytic Converter Adaption, Performing Adaptation Of Transmission Control, Read Adjust Value, Reduce Idling Speed, Reduce Idling Speed With Range Engaged, Reinitialize the Active Service System (ASSYST), Reset Adaptation Parameters, Reset Adaptation Values Converter Clutch, Reset Adaptation Values for Shift Operation, Reset Adaption To Factory Setting, Reset after changing NOx sensor, Reset After DPF Replacement, Reset After Replacing Engine, Reset after SCR Catalytic Converter Replacement, Reset Circuit Adaptation Values, Reset Fuel Adaptation Parameters, Reset fuel quantity mean value adaptation, Reset Idle Speed in Gear, Reset Idling Speed To Factory Setting, Reset Injector Lift Compensation, Reset Of Function 'Ring memory', Reset Of Mixture Adaptation Values, Reset reverse gear adaptations, Reset Transmission Adaption Values, Reset Vacuum Pump Actuation Counter, Resetting Adaptation Values, Resetting Learned Values 'Deceleration Mode', Resetting Of Adaptation Data, Resetting Reading Of Frequency Counter For Ethanol, Resetting The Service Life Data Of Automatic Transmission, Resetting The Service Life Data Of Torque Converter, Rotor Sensor Adaptation (Crank Learn), Selector Sensor Learning, Status Of Teach In Processes, Steering Angle Initialization, Swivel-Type Trailer Coupling Initialization, Teach In Of Positions For Camshafts, Teach In Of Throttle Valve Stop, Teach In Sensor Rotor Adaptation, Teach-in Of Drive Authorization System, Teach-in of Position Sensor of Park Pawl, Teach-in Of Selection Range Sensor, Teach-in Process After Replacing The Combustion Engine, Teaching In the Ethanol Proportion In The Fuel, Throttle Valve Adaption, Turnoff The Solenoid Valve Of Torque Converter Lockup Clutch, Upshifts, Valve Flushing, Variant Coding Reset, Warranty Or Goodwill Processing, Write Adjust Value, Calibrate Control Unit ISM for Direct Select Module, Calibration Of Steering Angle Sensor

129 new Actuation type special test:

Activate Roller Dynamometer Mode, Activated Charcoal Canister Shut-off Valve, Activated Charcoal Shut-Off Valve, Activation Of Fuel Pump, Actuation Of Fan, Actuation Of Fuel Pump, Actuation of Individual Speakers, Actuation Of Speakers, Adblue Pressure Pipe Heating Test, Adblue Tank Heating Test, Air Pump Relay, All Speaker Tests, Boost Pressure Control Pressure Transducer, Boost Pressure Positioner, Charging Of Suspension Fluid Reservoir, Check Of Entire Keyless Go System, Check Radiator Shutters Actuator, Closing Of Torque Converter Lockup Clutch, Compression Test, Coolant Pump Switchover Valve, Cylinder 1 Fuel Injector, Cylinder 2 Fuel Injector, Cylinder 3 Fuel Injector, Cylinder 4 Fuel Injector, Deceleration Air Switchover Valve, Display Of Adaptation Values, Display Of Coding Data, Display Of CVN, Display of Model Check Number, Display Of SCN, Dynamometer Mode ON/OFF, EGR Vacuum Transducer, Electric Air Pump, Electric Suction Fan, Empty Fuel Tank, Engine and AC Fan (with Common Powertrain Controller), Engine and AC Fan (without Common Powertrain Controller), Engine Diagnosis Indicator Lamp, Engine Oil Pump Valve, Engine Running Injector Kill Test, Exhaust Camshaft Solenoid, Exhaust Flap, Fan Self Test, Fan Test, Fan Tests, FBS Status, FBS Status Start, FBS3 Activation,

FBS4 Data00 Request Results, FBS4 Data01 Request Results, Fuel Injector 1, Fuel Injector 2, Fuel Injector 3, Fuel Injector 4, Fuel Injector 5, Fuel Injector 6, Fuel Injectors, Fuel Pressure Reduction, Fuel Pump, Fuel Pump Test, Injector 1, Injector 2, Injector 3, Injector 4, Injector 5, Injector 6, Injectors Leak Test, Inlet Camshaft Solenoid, Intake Camshaft Solenoid, Intake Manifold Resonance Flap Switchover Valve, Intake Manifold Selector Drum Switchover Valve, Key Recognition Outside Vehicle, Key Search, Key Search Inside The Vehicle, Key Search Outside The Vehicle, Keyless Go (KG) Key Search, Keyless Go (KG) System Check, Keyless Go (KG) System Test, Keyless Go Seiftest, Keyless Go Selftest, Kueb Switch Off For Ignition, Left Bypass Air Switchover Valve, Left Inlet Camshaft Solenoid, Left Outlet Camshaft Solenoid, Low Temperature Circuit Circulation Pump 1, Low Temperature Circuit Switchover Valve, Luggage Compartment Key Recognition, Mixture Formation, Oil Level Check, Outlet Camshaft Solenoid, Passenger Compartment Key Detection, Personalize, Purge Control Valve, Purge Switchover Valve, Purging Switchover Valve, Quantity Control Valve, Rail Pressure Reduction, Read actual electric fuel pump, Read Key Data, Restart The MOST Ring, Right Bypass Air Switchover Valve, Right Inlet Camshaft Solenoid, Right Outlet Camshaft Solenoid, Right Rear Door, Selftest, Set Function Mode: Control, Set Function Mode: Installation, Set Function Mode: Normal, Set Function Mode: Roll, Set Mode: Goods Receipt Check, Set Mode: Scroll Mode, Shift Transmission to N, SHVK, SHVK2, SHVK3, SHVK4, SLV2, Smooth running evaluation, Solenoid Test, Switch Off Incline Recognition For Dynamometer Mode , Switch To Normal Mode, System Self-Test, Terminal 87 Status, Throttle Valve Actuator, Tilting/Sliding Sunroof, Variable Intake Manifold Switchover, ZAS, Cooling Fan Motor

Volkswagen Coverage

- Added coverage for 315 new system applications

745 new Adjustment type special tests:

03 - Adaptation -J104- with Trailer Stabilization, A/C Comfort Parameter For Start/Stop Function, A/C Compressor Adaptation, AAU CL Address, ABS Pumping Characteristic, Access EEPROM Value, Accumulator bleeding, Accumulator charging, Acknowledge Comfort Closing With Flashing Light, Activate shipping mode, Activate/Deactivate Emergency Braking Flashing, Activate/Deactivate Emergency Warning Flashing, Activate/Deactivate Freeway Blinking, Activate/Deactivate Front Wiper Service Position, Activate/Deactivate Parking Lights, Activate/Deactivate Production Mode, Activate/Deactivate Roller Dynamometer Mode, Activate/Deactivate Water Droplet Removal, Activation Of Bypassvalve Starting In Control Pause Threshold F, Activation Time Of Basic Adjustment Air Conditioner Compressor, Activation Time To Open Rear Lid With Remote Control, Actuation Time To Open Rear Lid With Remote Control, Adapt Automatic Rear Lid Locking At 5 km/h, Adapt Cardan Sync, Adapt Convenience Blinking Cycles, Adapt Opening An Individual Door, Adapt Parking Light at Terminal 15, Adapt Signal Horn At Terminal 15, Adaptation - A/C System Start-Up Behavior, Adaptation - Activation Seat Ventilation, Adaptation - Activation Temperature Window Heater, Adaptation - After Heating Time Of Auxiliary , Adaptation (10) / Long Adaptation (0A), Adaptation Acknowledgement Comfort Locking, Adaptation Acoustic Feedback When Locking, Adaptation Acoustic Feedback When Unlocking, Adaptation ATAS Alarm Delay, Adaptation Automatic Locking, Adaptation Automatic Unlocking, Adaptation Coming Home Function, Adaptation Country Setting Of Intelligent Alarm Horn, Adaptation Feedback For Locking By A Key, Adaptation Feedback For Locking Via RRC, Adaptation Feedback For Unlocking Via A Key, Adaptation Feedback For Unlocking Via RRC, Adaptation Flashing Cycles For Convenience Turn Signal Feature, Adaptation Headlamp Washer System, Adaptation Inclination Sensor Sensitivity, Adaptation Interior Monitoring Sensitivity, Adaptation Leaving Home Function, Adaptation Locking Via Access And Start Authorization, Adaptation Unlocking Via Access And Start Authorization, Adapting Battery Monitoring (Sounder), Adapting Single Door Unlock, Adaption After Adjustment, Adaption Function Reset, Adaptive Brake Light, Additional Heater Glow Plug: Reset

Adaptation Values, Additional Heating Lower Threshold Coolant Fluid Temp, Additional Heating Lower Threshold Outdoor Temp, Additional Heating Temp Threshold Big To Med, Additional Heating Temp Threshold Big To Power, Additional Heating Temp Threshold Low To Control Pause, Additional Heating Temp Threshold Low To Med, Additional Heating Temp Threshold Med To Big, Additional Heating Temp Threshold Med To Low, Additional Heating Temp Threshold Power To Big, Additional Heating Temp Threshold Start To Control Pause, Additional Heating Temp Threshold Start To Control Pause Or Add, Additional Heating Threshold For Start Delay Time, Additional Heating Upper Threshold Outdoor Temp, Additional Heating Upper Threshold Coolant Fluid Temp, Adjustable Rear Spoiler Control Unit Data Set 1, Adjustable Rear Spoiler Control Unit Data Set 2, Adjustment Fuel Feed Pump On Low Fuel Level, Adjustment Of Brake Pressure Sensor, Adjustment Of Lateral Acceleration Sensor, Adjustment Of Longitudinal Acceleration Sensor, Adjustment Of Rotation Rate Lateral/Longit. Acc. Sensor, Adjustment Of Steering Angle Sensor, Adjustment: Locking Whilst Driving, Adjustment: Remote Control Conven. Actuation, Adjustment: Unlocking After Key Removal, Adjustment: Unlocking Options, Air Conditioner Compressor Run In, Air Conditioner Heater Output Test, Air Spring Strut Bleeding, Air Spring Strut Charging, Airbag Control Unit: Reset Counter (roll-Over Protection Trigg, Airbag Control Unit: Roll-Over Protection Test, Alarm Delay, Alarm Horn Adjustment, Ambient Light Threshold Coming/Leaving-Home, Analysis 126, Analysis 13, Analysis 14, Analysis 19, Analysis 20, Angular Gear Ratio, Anti-Play Protection Decrease Time, Anti-Play Protection Threshold, Anti-Theft Alarm Delay, Anti-theft Alarm Vehicle Inclination Sensor, Anti-theft System Interior Monitoring, Anti-Theft-System Alarm Delay, Assembly Identification Number, Assistance Driving Light Activation/Deactivation Delay, Assistance Light Sensor Correction, Audible Feedback When Locking, Audible Feedback When Unlocking, Audible Locking Con?rmation, Audible Unlocking Con?rmation, Auto Hold Plus Speed Threshold For Reactivation, Auto Hold Plus Speed Threshold For Shunting Situation, Auto Hold Plus Time Span For Shunting Situation, Auto Hold Switch-On Condition "Driver Belt Closed", Auto-Lock, Automatic Addressing Of Control Motors Of Air Condition, Automatic Rear Window Wiping with Reverse Gear, Automatic Start, Automatic Zero Potential Check, Auto-Unlock, Auxiliary Heating, Auxiliary Heating Run On Time, Auxiliary Heating/Venting Aid, Auxiliary Heating/Venting Shut-OFF, Basic Setting - Calibrate All Wheel Drive Clutch Pump, Basic Setting - Resetting All Adaptations Values, Basic Setting / Bleeding Brake System, Basic Setting Brake Bleeding, Basic Setting Brake Pedal Position Sensor, Basic Setting Brake Pressure Sensor, Basic Setting Electrically Adjustable Steering Column, Basic Setting Headlamps, Basic Setting Headlight, Basic Setting Hydraulic Connections, Basic Setting Integrated Parking Brake, Basic Setting Of Cut-Out Valves, Basic Setting Of Intake Valves, Basic Setting Quit, Basic Setting Seat Occupied Recognition, Basic Setting Steering Angle Sensor, Basic Setting Tire Pressure Monitoring (TPMS), Basic Setting Tire Pressure Monitoring Display (TPMS), Basic Setting Tire Pressure Monitoring System, Basic Setting/Bleed Brake System, Basic Settings (04), Battery BOX Serial Number, Battery Information/Replacement, Battery Monitoring Via Alarm Sounder, Battery Replacement, Battery Separating Deactivation, Battery Separating Relay Deactivation, Battery Serial Number, Bleed, Bleed Brakes, Bleed Pressure Lines, Body Height Wheelhouse Edge Front Left, Body Height Wheelhouse Edge Front Right, Body Height Wheelhouse Edge Rear Left, Body Height Wheelhouse Edge Rear Right, Brake Assist, Brake Booster, Brake Disc Drying Adjustment, Brake Disc Wiper (BDW), Brake Light Dimming, Brake Pad Replacement Step 1, Brake Pad Replacement Step 2, Brake Pressure Sensor Zero Pos. Compensation, Brake Servo Action Adjustment, Brake Stabilization Adjustment, Brake System Bleeding, Brake Temperature Monitoring Information, Braking to Standstill, Calibrate Parking Brake, Calibration Control Units For Heater Element, Calibration Data PreCrash, Calibration Data PreCrash 2, Calibration End Stops Of Air Condition Flaps, Calibration Height Values, Calibration Of Tyre Pressures, Calibration Operating And Display Units For Air Conditioning, Calibration Seat Fan, Calibration Seat Fan Rear, Camera/Video Brightness, Camera/Video Contrast, Camera/Video Saturation, CAN Stop Tx Delay Time, Ceiling Light Module 2 Delay Time For Change Of Dimming Values, Ceiling Light Module Delay Time For Change Of Dimming Values, Central Locking Functions, Central Locking Protection Basic Setting,

Changeover To Normal Ride Control Operation, Charging Flap A Cycle Data, Charging Flap B Cycle Data, Chinese Serial Number, Cleaning Rear View Camera Control Time In Production Mode, Clear Counter And Runtime Of Compressor, Clear Counter Of Valve Activation, Clear Duration Mode And Control Activities, Clear VIN, CMC Registration, CO2 Setting, Collision Prevention 1 (Special Methods 1), Collision Prevention 2 (Front-Assist), Combustion Air Blower CO2 Setup, Combustion Air Blower Setting (Low Speed), Comfort Function (Remote Control), Comfort Functions, Comfort Operation (via Remote Control), Comfort Operation: Automatic Roof, Comfort Operation: Closing, Comfort Operation: Opening, Comfort Turn Signals (Cycles), Coming Home Activation Time, Coming-Home Time, Complete Brake Pad Replacement Mode, Component Protection (Vehicle Identification Number), Confirmation Sound, Constant Damper Current Front Left, Constant Damper Current Front Right, Constant Damper Current Rear Left, Constant Damper Current Rear Right, Conti Debug Switch, Continuous Control Of Bypass Valve After Deactivation Of Heater, Controller Coding (07), Counter Reset For Refrigerant Loss Detection, Country Setting, Daytime Running Lights, Daytime Running Lights Dimming (Fog Lights), Daytime Running Lights Dimming (High Beam), Daytime Running Lights Dimming (Low Beam), Deactivate ESP System/Function Test, Deactivate Factory Mode, Deactivate shipping mode, Deactivation Heating Setting, Deactivation Of Longitudinal Acceleration Sensor, Deactivation Temperature For Solar Roof, Debounce Time Reverse Gear Detection, Delay Time Alarm Activation, Delay Time Crash Unlocking, Delay Time For Undervoltage Detection Active Heater, Delay Time Threshold For Reset Of Running Information To Engine, Delay Timer Before ECU Goes Off, Delayed Accessory Power After Clamp 15 Off, Delayed Accessory Power After Clamp 15 Off Com, Delayed Accessory Power After Clamp 15 Off Edge, Delete fault memory, Delete Iccpd Error Memory, Development Function Deactivation, Dim Value Light Module 2, Direct Test Mode Input, Dosage Pump CO2 Volume Adjustment, Drive Select Standard Setting (Key 1), Drive Select Standard Setting (Key 2), Drive Select Standard Setting (Key 3), Drive Select Standard Setting (Key 4), Duration Maneuver Situation, DWA Driver Door Opening Alarm Delay Adjustm., DWA Interior Monitor Sensitivity Adjustment, DWA Interior Monitoring Data Set Development, DWA Primed Feedback Adjustment, DWA Tilt Sensor Sensitivity Adjustment, Dynamic Steering Recommendation, EC Interior Mirror Turn Down, ECU Serial Number, EEPROM Address, EEPROM Output, Electrically Adjustable Steering Column Easy Entry, Electrically Adjustable Steering Column Soft Stop, Electro Mechanical Parking Brake Deceleration Level, Electromechanical Parking Brake Operational Test, Electronic Brake Booster Bleeding, Electronic Fuel Pump Threshold Amount Of Fuel In Chamber, Electronic Fuel Pump Threshold For Activation Time Active Heate, Electronic Fuel Pump Threshold For Activation Time Before Heati, Electronic Fuel Pump Threshold For Maximum Remaining Time Witho, Electronic Stability Program: Activate Brake Dynamometer Mode, Enable Control Unit, Enabling Code For Vehicle Tracking System, Energy Management Shut-Off Priority Counter, England ROW DWA Alarm Signal Adjustment, Enhancement function encoding, Erase Error Table, Error Mask, Error Mask 2, ESP steering wheel angle sensor adaptation, ESP-Data (Brakes), ESP-Data (Powertrain), Evac And Fill Byte, Extended Electronic Differential Lock (XDS), Factory Mode, Factory Reset, Fog Light Cold Diagnosis, Footwell Lighting Dimming, Footwell Lighting Dimming (With Open Door), Footwell Lighting Dimming (with Terminal 58d), Force Auto Adjust, Fragrancing System Replacing Cartridge In Aroma Receptacle 2, Fragrancing System Replacing Cartridge In Aroma Uptake 1, Friction Coefficient Grade EOL, Front Axle, Front Buzzer Frequency, Front Buzzer Volume, Front Driver Airbag Deactivation, Front Driver Belt Tensioner Deactivation, Front Driver Head Airbag Deactivation, Front Driver Side Airbag Deactivation, Front Passenger Airbag Deactivation, Front Passenger Airbag Shut-Off Switch Deactivation, Front Passenger Belt Tensioner Deactivation, Front Passenger Head Airbag Deactivation, Front Passenger Side Airbag Deactivation, Fuel Level Threshold For Deactivation Electroic Fuel Pump, Fuel Line Filling Setting, Full Application Force For Auto Hold Up And Downhill Swell, Garage Door Opener Control Module, Garage Door Opener Country Setting, Garage Door Opener Distance From Target, Glass Variant, Glove Compartment Activation Time, Glowplug replacement, Go To High Level, Go To High Level And

Deactivate Self-Levelling, Go To Normal Level, Go To Normal Level And Deactivate Self Levelling, Go To Normal Level With Narrow Control Tolerance, Go To Preliminary Stage For Calibration In Production, Go To Preliminary Stage For Calibration In Service, Go to production reference level, Halogen Headlights, Head Light Washer System Adaptation In Production Mode, Headlamp setting, Headlight Adjustment, Headlight Washer Activation Delay, Headlight Washer Activation Time, Heater Or Metering Pump Deactivation, Heater Start (Customer Service), Heater Unblock Setting, Heater Unlock, Heater Unlocking Setting, Heater/Air Conditioning, Heating For Production Setting, Heating for Service Setting, Hella Debug Switch, Highbeam with Assistance Driving Light, Highway/Comfort Blinking, Hill Hold Assist (HHA), HV Battery Charge, HV Battery Control Unit Initialization, Hydraulic Brake Assist (HBA), Hydraulic Brake Assistant (Special Methods 2), Hydraulic Unit Disconnecting Valve Adjustment, Hydraulic Unit Intake Valve Adjustment, Inclination Sensor Sensitivity, Inclination Sensor Threshold, Initialization Accumulator, Initialization Brake Booster, Installation Park Steer Assist (PLA), Insufficient Voltage Threshold, Insufficient Voltage Time Threshold, Interior Monitoring, Interior Monitoring Data Set, Interior Monitoring Sensitivity, Key FOB Clearing, Key FOB Matching, Key Identification Transponder ID, Keyless Locking Optical Feedback, Keyless Unlocking Optical Feedback, Knockout Test Mode, Knockout Tmr, Lat. Accel. Sensor Zero Pos. Calibration, Leakage Test, Learn Vehicle Identification Number (VIN), Learned Values (Vehicle Data), Learned Values Reset, Leaving Home Activation/Deactivation, Leaving Home Time, Leaving-Home Time, Light, Light Configuration Externally Rear, Light Configuration Other, Light Configuration Outer Front, Line Filling Duration, Line Filling Enabling, Lock Blink, Lock Horn, Locking Confirmation (Key Switch), Locking Confirmation (Remote Control), Locking for Coding/Flashing, Locking With Key Switch Optical Feedback, Locking With Remote Control Opt. Feedback, Log-in(11) Adaptation(10), Log-in(11) Basic Settings(04), Log-in(11) Controller Coding(07), Log-in(11) or Coding II(11), Longit. Accel. Sensor Zero Pos. Calibration, Low Beam Response, Low Beam Response (Terminal 15), Low Voltage Shut-Off, Matching The ECU To Fuel Type (Gasoline Or Diesel), Metering Pump Activation, MMI Display Time During Rear Zone Adjustment, Mounting Position Calibration, Mounting Position Calibration SC, NAR Parking Light Deactivation, Near Field Communication Control Module 1, Near Field Communication Control Module 2, Near Field Communication Control Module 3, NFC FS Debug Switch, NFC MiKo Debug Switch, NFC Rear Debug Switch, Nominal Voltage Dimming, Null Balance Seat Occupied Recognition, Null Balancing Steering Wheel Angle Sensor, Number Of Simultaneously To Be Adapted Keys, OBD Channel, Occupant Detect System, Off Timer Inside Light, Off Timer Inside Light Light Module 2, Open Coupling For Car Manufacture, Overboost (OB)/Overload Operation, Overshoot Time Additional Heating, P Wash Warning, Parameter Group 1, Parameter Group 10, Parameter Group 2, Parameter Group 3, Parameter Group 4, Parameter Group 5, Parameter Group 6, Parameter Group 7, Parameter Group 8, Parameter Group 9, Parameter Read Adaptation, Parking Brake Initialisation, Passenger Detection Multi Contour Seat, Passenger Seat Occupation Recognition Sensor Deactivation, Pdm Defragmentation, Personalization (Key 1), Personalization (Key 2), Personalization (Key 3), Personalization (Key 4), Personalized Settings User Account 1 Name, Personalized Settings User Account 2 Name, Personalized Settings User Account 3 Name, Personalized Settings User Account 4 Name, Personalized Settings User Account 5 Name, Personalized Settings User Account 6 Name, Personalized Settings User Account 7 Name, PLA Dev Msg, PLA Minimum Speed Limitation, PMS CL Address, Pnc Create Vehicle Cert Res, Pnc Delete Contract Req, Pnc Delete Vehicle Key Pair Req, Pnc Diagnostic Push Ack, Pnc Install Contract Req, Pnc Install Root Certificate Container Req, Pnc Report Unknown Root Cert Ack, PODS Rezero, PODS Serial Number Adjustment, Power Adjustable Steering Column Control Module Basic Setting, Power Sunroof Control Module Basic Setting, Pretensioner Left Serial Number, Pretensioner Right Serial Number, Production Routine Blower Regulation, Production Routine Nominal Temperature Inside, Program Remote Control, Programming Data Pretensioner 2nd Row Left, Programming Data Pretensioner 2nd Row Right, Programming Data Pretensioner Left, Programming Data Pretensioner Right, Protection CAN Wakeup, Protection RH850 WakeUp, Pump Calibration, Quick Quiescent Current

Analysis, Quickstart - Reset Of Adaption Values, Radio Sender Transfer Setting, Rain/Light Sensor Setup, Rain/light Sensor: Adapting, Read And Write Of Oil Aging Values, Rear Axle, Rear Axle Full Deceleration Adjustment, Rear Buzzer Frequency, Rear Buzzer Volume, Rear Center Belt Tensioner Deactivation, Rear Driver Belt Tensioner Deactivation, Rear Driver Side Airbag Deactivation, Rear Fog Light Dimming, Rear Left, Rear Lid Power Opening Control Unit Checksum, Rear Lid Power Opening Control Unit Data Set Version, Rear Lid Power Opening Control Unit Foot Gesture Detection Eval, Rear Lid Power Opening Control Unit Foot Gesture Detection Time, Rear Lid Power Opening Control Unit Play Protection Decrement I, Rear Lid Power Opening Control Unit Play Protection Decrement V, Rear Lid Power Opening Control Unit Play Protection Increment V, Rear Lid Power Opening Control Unit Reset All Counters, Rear Lid Power Opening Control Unit Threshold Play Protection A, Rear Lid Power Opening Control Unit Threshold Play Protection I, Rear Lid Power Opening Control Unit Transmitter 1 Active Shield, Rear Lid Power Opening Control Unit Transmitter 1 Burst Length, Rear Lid Power Opening Control Unit Transmitter 1 Control Param, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 1, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 2, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 3, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 4, Rear Lid Power Opening Control Unit Transmitter 1 Threshold 5, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 1, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 2, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 3, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 4, Rear Lid Power Opening Control Unit Transmitter 1 Timer Value 5, Rear Lid Power Opening Control Unit Transmitter 2 Active Shield, Rear Lid Power Opening Control Unit Transmitter 2 Burst Length, Rear Lid Power Opening Control Unit Transmitter 2 Control Param, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 1, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 2, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 3, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 4, Rear Lid Power Opening Control Unit Transmitter 2 Threshold 5, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 1, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 2, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 3, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 4, Rear Lid Power Opening Control Unit Transmitter 2 Timer Value 5, Rear Light Left 1 Parameter Set, Rear Light Left 2 Parameter Set, Rear Light Right 1 Parameter Set, Rear Light Right 2 Parameter Set, Rear Passenger Belt Tensioner Deactivation, Rear Passenger Side Airbag Deactivation, Rear Right, Rear Roof Shades Basic Setting, Rear Sliding Roof Basic Setting, Rear Sunroof Control Module Adaptation, Rear Window Outside Mirror Heater Activation Time, Rear Wiper Comfort Function, Recirculation Pump During Auxiliary Heating, Recirculation Pump Lock Adaptation, Recirculation Pump Replacement, Reduced Application Force For Auto Hold Up And Downhill Swell, Referencing LKL1, Referencing LKL2, Reload Pressure Sensor Identification, Remote Control Adaptation, Remote Control Adaptation (Memory Location), Remote Control Barcode, Remote Control Erasing, Remote Control Learning, Remote Control Matching, Remote Control Rear Lid Operating Time, Remote Control Unit Learning, Remote Control: Receiver, Reset Adaptation Parameters, Reset Adaption Value, Reset Adaption Values Potentiometers In Vents, Reset Battery Charging Profiles, Reset Battery Charging Timer, Reset Brake Temperature Monitoring, Reset Clutch Values, Reset Coolant Pump Adaption Values, Reset Counter For Rollover-Bar-Deployment, Reset Energy Management Counter, Reset Factory Defaults, Reset Frequency Counter, Reset Frequency Counters, Reset Headlight Regulation Counter, Reset Highest Appeared Brake Temperature, Reset Maximum ECU Currents, Reset Maximum ECU Temperatures, Reset Maximum Smart Actuator Currents, Reset Of Adaption Value EDL Closed, Reset Of Adaption Value EDL Open, Reset of Adaption Values, Reset Of Adaption Values Gear Box, Reset Of Adaption Values Oil Ageing, Reset of Adjustment/Calibration Values, Reset Of All Adaptions, Reset Of All Air Condition Counters, Reset Of Central Signal Processing Adaption Values, Reset Of ECU In Delivery State Of Manufactor, Reset Of First Filling Status, Reset Of Hydraulic Pressur Sender 1 Offset, Reset Of Identification Data Collected On Lin Bus, Reset Of Qsp Torque Display Adaption Values, Reset Of Raw

Values Of Level Sensors In Rebounded Position, Reset Of State Information, Reset Of The Reversible Overcurrent Cutoff, Reset Of Tire Not Fixed Detection Adaption Values, Reset Of Zero Point Brake Pedal Position Sender, Reset Plug-in Cycles of Charging Socket, Reset Rollover Trigger Counter, Reset Temperature Model, Reset To Factory Setting, Rka Reset Dynamic Data, RKA Simulation Mode, RLE Simulation Mode, Roller Test Stand Mode, Roll-Over Bars Deactivation, Roll-Over Bars Trigger Counter Reset, Rollover Protection Test, Roof Roller Blind Basic Setting, Roof Shade Control Module Adaptation, Roof Shades Basic Setting, Safe Confirmation, Screen Wiper Motor: Adapting, Seat Occupant Recognition Basic Setting, Seat Occupied Recognition, Seat Occupied Recognition Control Module Basic Setting, Seat Occupied Recognition Reset, Security Access (16) Adaptation (10) / Long Adaptation (0A), Security Access(16) Basic Settings (04), Selective (Single) Door Locking, Self Leveling Suspension Calibration to Determine Axle Load, Self-Levelling Suspension Activation, Self-Levelling Suspension Calibration Reset, Self-Levelling Suspension Deactivation, Self-Levelling Suspension Deactivation Permanent, Sensor Unit Zero Position Compensation, Service Key Clear Data, Service Light Reset, Set And Reset Parking Brake Motor Piston, Set Brake Application Signals, Set Development Mode Minimum Speed Limitation, Set PLA WPCA Car Corr Factor Development, Set PLA WPCA Min Change Limit Development, Shut Off Conditions, Shutdown Wait Time, Side Marker Lights, Sliding Roof Basic Setting, Sliding Sunroof Basic Setting, SLWR Counter Left, SLWR Counter Right, SmAct Volume Adjustment, Softgab In, Softgab Out, Softgap Down, Softgab Up, Speed limit Maneuver Situation, Speed Value For Testing Mode, Start Brake Pad Replacement Mode, Starting Vibration Reduction Adjustment, Start-Up Test Accumulator, Start-Up Test Brake Booster, Static Calibration Routine, Static Calibration Routine Overrun, Steering Angle Initialization, Steering Angle Sensor, Steering Angle Sensor Calibration, Steering Basic Setting, Steering Column Basic Setting, SuFK Development Massage, Sunroof Control Module/No Basic Setting, Sunroof Shade Control Module Basic Setting, Supplementary Heater: Adapting, Supplementary Heater: Reset Adaptation Values, Supplementary Heater: Reset Starter Interlock, Supplementary Heater: Test, Swap Function Activate, SWaP Function Crypt Data ID, SWaP Function Transfer Crypt Data, Switch-Off Delay (Low Beam), System Shut-off, Tail Light Dimming, Take Back Of The Reversible Crash Cutoff, Target Soc Production Mode, Temp Threshold Activate Climate Control, Temp Threshold Auxiliary Heater: Full Load After Partial Load, Temp Threshold Auxiliary Heater: Partial Load After Full Load, Temp Threshold Auxiliary Heater: Start After Control Pause, Temp Threshold Big To Med, Temp Threshold Big To Power, Temp Threshold Low To Control Pause, Temp Threshold Low To Med, Temp Threshold Med To Big, Temp Threshold Med To Low, Temp Threshold Power To Big, Temp Threshold Start Out Of Control Pause, Temp Threshold Start To Control Pause Or Heating Mode, Temperature Difference For Bypass Valve Opening, Temperature Threshold Auxiliary Heater: Control Pause, Temperature Threshold: Ambient Temperature, Temperature Threshold: Coolant Temperature, Throttle Body Alignment, Tilt Sensor Sensitivity, Time Bypass Valve Activated After Caster Finished, Time For Opening Bypass In Control Pause, Tire Pressure Control Monitoring, Tire Pressure Monitoring System (Tpms) Reset, Tire Pressure Monitoring System Configuration, Tolerance Band Of Flap End Stops, Torque Test, Trailer Stabilization, Trailer Stabilization Enabling, Transfer Configuration, Transmission Grade (Front Window), Transport/Service Mode, Transportation Mode, Turn Signal Dimming, Turn Signals in Side Rear View Mirror, Undervoltage Heater Turn-Off, Unlock Actuator System, Unlock Blink, Unlock Horn, Unlocking Confirmation (Key Switch), Unlocking Confirmation (Remote Control), Unlocking With Key Switch Optical Feedback, Unlocking With Remote Control Opt. Feedback, Uphill Assist Gradient Threshold, Vacuum Level / Hydraulic Brake Booster (HBO/HBV), Vacuum Pump For Brake System, Variant Encoding, Variants Reduction, Vehicle Excess Length, Vehicle Excess Width, Vehicle Identification Number, Vehicle Identification Number Provisional, Vehicle Mileage Challenge Adaptation, Vehicle Road Curb Distance, Vent ESP Hydraulic System, Verify Variant Encoding, Visual Comfort Operating/Closing Confirmation, Visual Feedback When Locking/Unlocking, Visual Locking Confirmation, Volume Of Fuel Tank, Wheel Circumference, Wiper Angle Interval Position Adaptation, Wiper Angle Lower Turning Point Adaptation, Wiper Angle

Park Position 1 Adaptation, Wiper Angle Park Position 2, Wiper Angle Service Position Adaptation, Wiper Angle Upper Turning Point Adaptation, Wiper Error Mask Mitsuba Development, Wiper Motor Control Unit Data Set, Wiper Motor Control Unit Data Set 2, Wiper Motor Control Unit Data Set 3, Wiper Motor Control Unit Data Set 4, Wiper Setup, Write Configuration, Write Key Content, Yaw Rate Sensor Detection, Adaptation (10) / Long Adaptation (0A)

768 new Actuation type special test:

3rd Brake Light, A/C Compressor Regulator Valve, ABS Motor, ABS Return Flow Pump Control Value On Off, ABS Return Flow Pump VW Local Control State, Accumulator Activation Test Control Value Moving Volume, Accumulator Activation Test Control Value Piston Speed, Accumulator Activation Test Control Value Smart Actuator Speed, Acoustics, Act Tst Precrash ICM Disp Text Ctrl ICM Disp Text, Act Tst Precrash Pretens Ctrl Tensioning Char, Act Tst Precrash Veh Conditioning Ctrl Veh Conditioning, Activate Anti-Theft Alarm, Activate ESP System/Function Test, Activation Control Value LRH, Activation Of Anti Theft Alarm System Control Value, Active Headrest Control Onoff, Actuate Charging Connection 1, Actuate Charging Connection 2, Actuation Ifl Valve, Actuation Ifr Valve, Actuation Lpf1 Valve, Actuation Lpf2 Valve, Actuation Mci1 Valve, Actuation Mci2 Valve, Actuation Ofl Valve, Actuation Ofr Valve, Actuation Pump, Actuation Rl Emb, Actuation Rl Emb (2), Actuation Rr Emb, Actuation Rr Emb (2), Actuation Vacuum Pump1, Actuation Vacuum Pump2, Actuator Test Crash Intensity 1, Actuator Test Crash Intensity 2, Actuator Test Crash Intensity 3, Actuator Test Crashsignal Control Crash Direction, Actuator Test Crashsignal Control Crash Intensity, Actuator Test Crashsignal Control Onoff, Actuator Test Highvoltage Disable, Actuator Test Highvoltage Disable Control Highvoltage Disable, Actuator Test Highvoltage Disable Control Onoff, Actuator Test LED Bar Control Value Frequency, Actuator Test Precrash ICM Display Text, Actuator Test Precrash ICM Display Text Control Onoff, Actuator Test Precrash Pretensioner Control Onoff, Actuator Test Precrash Pretensioner Control Side, Actuator Test Precrash Vehicle Conditioning, Actuator Test Precrash Vehicle Conditioning Control Onoff, Actuator Test USM Control Crash Severity, Actuator Test USM Control Onoff, Actuator Test USM Crash Type Front Driver, Actuator Test USM Crash Type Front Passenger, Actuator Test USM Crash Type Pedestrian Protection, Actuator Test USM Crash Type Rear Driver, Actuator Test USM Crash Type Rear Passenger, Actuator Test USM Crash Type Rollover, Actuator Test USM Crash Type Side Driver, Actuator Test USM Crash Type Side Passenger, Actuatoric Test Actuationtime, Actuatoric Test Control Value Actuationtime, Actuatoric Test Control Value Delaytime, Actuatoric Test Delaytime, Additional Heater Activation Test Control Value, Adjustable Rear Spoiler Indicator Light Test Control Value, Aerial Entry And Strt Authorisation Lt Diag Ctrl Val, Aerial Entry And Strt Authorisation Rt Diag Ctrl Val, Aerial For Entry And Start Authorisation Left Diag Ctrl Value, Aerial For Entry And Start Authorisation Right Diag Ctrl Value, Air Conditioner Compressor Regulating Valve Test Control Value, Air Distribution Flap Rear Control Motor Control Value On Off, Air Distribution Front Control Motor Control Value On Off, Air Recirculation Flap Positioning Motor Control Value On Off, Airbag Crash Signal Rest Of World, Airbag Indicator Light Off, Airflow Vlv Ctrl Hyb Batterie Airflow Vlv Tar Pos, Alarm Horn, Alarm Horn Test Control Value, All Lights Rear Left Control Value, All Lights Rear Middle Control Value, All Lights Rear Right Control Value, All Wheel Check Control Value Open Close, Ambient Illumination Test Control Value Channel 1, Ambient Illumination Test Control Value Channel 2, Ambient Illumination Test Control Value Channel 3, Ambient Illumination Test Control Value Channel 4, Ambient Illumination Test Control Value Channel 5, Ambient Illumination Test Control Value Start Parameter, Ambient Light Door Driver Side Front: Contour Lighting, Ambient Light Door Driver Side Rear: Contour Lighting, Ambient Light Door Passenger Side Front: Contour Lighting, Ambient Light Door Passenger Side Rear: Contour Lighting, Ambient Lighting Channel 1 Test Control Value, Ambient Lighting Of Center Console Test Control Value, Ambient Lighting Of Cup Holder Test Control Value, Ambient Lighting Power Supply Test Control Value, Ambient Lighting Rear Channel 1 Test Control Value, Ambient Lighting Roof Channel 1 Test Control Value, Ambient Lighting: Channel 1, Antenna Pow Adjustment Loop Test VW Common Ctrl

State Sig Path, Antenna Power Adjustment Loop Test VW Common Control State 1, Antenna Power Adjustment Loop Test VW Common Control State 2, Anti-Theft Alarm Siren/horn, Antn Pow Adjustment Loop Test VW Common Ctrl State Trans Power, Apply Brake Pads Control State, Apply Brake Pads Control Value On Off, Apply Brakes Control State, Apply Brakes Control Value On Off, Approach Brake Pads Control State, Approach Brake Pads Control Value On Off, ASR/ESP Control Lamp, Auto-Hold Indicator Lamp, Auto-Lock/Unlock for Rear Lid, Automatic Activation Of All Control Motors Control Value On Off, Auxiliary Air Heating Controlled Test Control Value On Off, Auxiliary Air Heating Test Control Value, Auxiliary Heater Fuel Supply, Axle Differential Lock Check Control Value Open Close, Back-Up Lights, Back-Up Lights Left, Back-Up Lights Right, Balacing Mode Cell 1 Balancing, Balacing Mode Cell 2 Balancing, Balacing Mode Cell 3 Balancing, Balacing Mode Cell 4 Balancing, Battery Charging Button Indicator Light, Battery Charging Button Indicator Light Control Value, Blinker Rear Left, Blinker Rear Right, Blinkers, Blinkers Bulb Front Left, Blinkers Bulb Front Right, Blower Activation Control Value On Off, Boost Pressure, Brake Activation Test Control Value Control Input Rod Distance, Brake Activation Test Control Value Input Rod Speed, Brake Activation Test Control Value Speed ??Input Rod, Brake Indicator Lamp, Brake Light, Brake Light By ECD, Brake Light By ECD Brake Light By ECD, Brake Light By Ecd Control State, Brake Light By ECD Control Value On OFF, Brake Light By ECD IO Control Option Brake Light By ECD, Brake Light By ECD VW Local Control State, Brake Light Left, Brake Light Right, Brake Light Test Control Value, Brake Lights, Brake Pedal Appliance Control Value BLS-Control, Brake Pedal Appliance Control Value Brake Light Activation, Brake Pedal Appliance Control Value PAR Control, Brake Pedal Appliance Control Value PAR-Control, Brake System Warning Lamp, Brake System Warning Lamp Brake System Warning Lamp, Bumper Light Rear Left, Bumper Light Rear Right, Button Indicator Light Test Control Value, Button Indicator Light Test Control Value Indicator Lights, Button Indicator Light Test Control Value Kontrollleuchten, Button Indicator Light Test Control Value Start Parameter, Button Indicator Light Test Indicator Lights, Ceiling Light Mod Int And Read Lights Tst Ctrl Val, Ceiling Light Module Int And Reading Lights Test Ctrl Value, Cell Balacing Control Cell 1 Balancing, Cell Balacing Control Cell 2 Balancing, Cell Balacing Control Cell 3 Balancing, Cell Balacing Control Cell 4 Balancing, Cen Lck Rr Ctrl Tst Ctrl Val Cen Lck Rr Lt, Cen Lck Rr Ctrl Tst Ctrl Val Cen Lck Rr Rt, Cen Lck Rr Ctrl Tst Ctrl Val Rr Lck Ctrl, Central Locking Aerial Diagnosis Control Value, Central Locking Indicator Lamp, Central Locking Indicator Light Test Control Value, Central Locking Rear Control Test Control Value Front Left, Central Locking Rear Control Test Control Value Front Right, Central Locking Rear Control Test Control Value Side Selection, Central Locking Rear Control Test Control Value Start Parameter, Central Locking Rear Control Test Sliding Door Driver Side, Central Locking Rear Control Test Sliding Door Passenger Side, Central Locking Rear Lid Lock Unit Test Sequence Control Value, Central Locking Sliding Door Test Control Value Start Parameter, Central Locking Sliding Door Test Sliding Door Driver Side, Central Locking Sliding Door Test Sliding Door Passenger Side, Central Locking System Locking Unit, Central Locking Unlock Doors Control Value, Central Locking: Lock, Central Locking: Unlock, Centre Left Vent Positioning Motor Control Value On Off, Centre Right Vent Positioning Motor Control Value On Off, Charge Flap Lock A Control Value Connector Locking, Charge Flap Lock A Control Value Flap Locking, Charge Flap Lock B Control Value Connector Locking, Charge Indicator Lamp 1, Charge Indicator Lamp 2, Charging Con A Ind Lights Tst Ctrl Val Con Lck, Charging Con A Ind Lights Tst VW Com Ctrl St, Charging Con A Lck Tst Ctrl Val Con Lck, Charging Con B Ind Lights Tst Ctrl Val Con Lck, Charging Con B Ind Lights Tst VW Com Ctrl St, Charging Con B Lck Tst Ctrl Val Con Lck, Charging Connector A Ind Lights Test Ctrl Val Connector Locking, Charging Connector A Indicator Lights Test Control Value LED, Charging Connector A Locking Test, Charging Connector A Locking Test Ctrl Value Connector Locking, Charging Connector B Ind Lights Test Ctrl Val Connector Locking, Charging Connector B Indicator Lights Test Control Value LED, Charging Connector B Locking Test, Charging Connector B Locking Test Ctrl Value Connector Locking, Charging Cur DC DC Converter Ctrl Val Set Charging Cur DCDC, Circulation Pump, Close Sliding Roof Signal, Close Windows and Roof Signal, Clutch 2 For All Wheel Drive, Clutch Valve 2 For Four-Wheel Drive, Clutch Valve For Four-Wheel Drive,

Combustion Air Blower, Combustion Blower Test Control Value On Off, Combustion-Air Blower, Comfort Closing, Comfort Opening, Comp For Multi Contour St Psgr Sd Actuation Tst Ctrl Value, Comp Multi Contour St Dr Sd Actuation Tst Ctrl Val, Comp Multi Contour St Pass Sd Actuation Tst Ctrl Val, Complete Test Of ECU Valves And Pump Motor Control Value On OFF, Compressor (driver Side Multi-Contour Seat), Compressor (passenger Side Multi-Contour Seat), Compressor For Multi Contour St Dr Sd Actuation Test Ctrl Value, Cont Sensrs Extrior Dor Handl Diag Ctrl Val, Contact Sensors For Exterior Door Handle Diagnosis Ctrl Value, Contour Lighting Of Dashboard Test Control Value, Contour Lighting Of Multimedia System Op Unit Test Ctrl Value, Contour Lightng Multimedia Sys Op Tst Ctrl Val, Control KL 30G Control Value, Control Lamp Button Load Profile, Control Line For Dynamic Flashing Light Test Control Value, Control Motor For Air Dist Rear Left Test Ctrl Value On Off, Control Motor For Air Dist Rear Right Test Ctrl Value On Off, Control Motors For Design Covers Test Control Value, Control Unit For Fragrancing System Test Control Value, Control Valve Rear Axle Control Value On OFF, Control Wheel Pressure Wheel, Control Wheel Pressure Wheel Pressure, Convenience And Dr Assist Op Unit 2 Lvl Ind Lmp Test Ctrl Value, Convenience And Dr Asst Op 2 Lvl Ind Lmp Tst Ctrl Val, Coolant Circulation Pump Control Value, Coolant Circulation Pump Control Value On Off, Coolant Pump Control HV Batterie Pump Duty, Coolant Pump Switching Valve, Coolant Shut-Off Valve Control Value, Coolant Shut-Off Valve Control Value On Off, Cooling Valve 1 Hi Voltage Battery Cooling Valve1 Tar Position, Cooling Valve 1 Hybrid Batterie Cooling Valve1 Target Position, Cooling Valve 2 Hybrid Batterie Cooling Valve2 Target Position, Cooling Valve1 Hybrid Batterie Cooling Valve1 Target Position, Cooling Valve2 Hybrid Batterie Cooling Valve2 Target Position, Cooling Vlv 1 Hi V Bat Cooling Valve1 Tar Pos, Countersteering Check Control Value Torque Control, Countersteering Check Control Value Torque Control, Crash Signal, Ctrl Mot Air Dist Rr Lt Tst Ctrl Val On Off, Ctrl Mot Air Dist Rr Rt Tst Ctrl Val On Off, Cup Holder Ambient Light, Cup Holder With Heater And Cooling Element Test Control Value, Dash Panel Vent Indicator Lamp Test Control Value, Dash Panel Vent Positioning Motor Test Control Value On Off, Daytime Running And Side Light Left 2 Test Control Value, Daytime Running And Side Light Left Led Test Control Value, Daytime Running And Side Light Left Test Control Value, Daytime Running And Side Light Right 2 Test Control Value, Daytime Running And Side Light Right Led Test Control Value, Daytime Running And Side Light Right Test Control Value, Daytime Running Light Left 2 Test Control Value, Daytime Running Light Left Test Control Value, Daytime Running Light Right 2 Test Control Value, Daytime Running Light Right Test Control Value, Daytime Running Lights Bulb 2 Left, Daytime Running Lights Bulb 2 Right, Daytime Running Lights Bulb Left, Daytime Running Lights Bulb Right, Daytime Running Lights LED Module Control Circuit Left, Daytime Running Lights LED Module Control Circuit Right, Daytime Running Lights Test Control Value, Defroster Button Indicator Light Test Control Value, Defroster Flap Control Motor Control Value On Off, Digital Mirror Device Left Supply Test Control Value, Digital Mirror Device Right Supply Test Control Value, Dimming Interior Light Test Control Value, Dimming Left Static Cornering Lighting Control Value, Dimming Right Static Cornering Lighting Control Value, Dipped Beam, Direction Indicator Left, Direction Indicator Right, Display Test, Door Ambient Lighting Front Left Test Control Value, Door Ambient Lighting Front Right Test Control Value, Door Ambient Lighting Rear Left Test Control Value, Door Ambient Lighting Rear Right Test Control Value, Door Contour Lighting Front Left Test Control Value, Door Contour Lighting Front Right Test Control Value, Door Contour Lighting Rear Left Test Control Value, Door Contour Lighting Rear Right Test Control Value, Door Handle Control On, Doors Not Closed Signal, Dosing Pump Test Control Value On Off, Dosing/Metering Pump, Dr Warn Disp Brk Booster Ctrl Val Advice Text Msg, Dr Warn Disp Brk Booster Ctrl Val Brk Sys Warn Lmp, Dr Warn Disp Brk Booster Ctrl Val OBD Stat Lmp, Dr Warn Disp Brk Booster Ctrl Val Warn Ind Lmp, Dr Warn Disp Brk Booster Ctrl Val Warn Text Msg, Dr Warning Disp Brake Booster Ctrl Value Advice Text Message, Dr Warning Disp Brake Booster Ctrl Value Brake Sys Warning Lamp, Dr Warning Disp Brake Booster Ctrl Value Warning Text Message, Driver Side Multi-Contour Seat: Functional Test, Driver Warning Display Brake Booster Ctrl Value OBD Status Lamp, Drv Dynamics Reg Hi Pres Switch Valve 1 Ctrl Value On OFF, Drv Dynamics Reg Hi Pres Switch Valve 2 Ctrl

Value On OFF, Drv Dynmcs Reg Hi Pres SW Vlv 1 Ctrl Val On Off, Drv Dynmcs Reg Hi Pres SW Vlv 1 VW Local Ctrl St, Drv Dynmcs Reg Hi Pres SW Vlv 2 Ctrl Val On Off, Drv Dynmcs Reg Hi Pres SW Vlv 2 VW Local Ctrl St, Ds Belt Buckle Illumination, DTC 01486 ESP Function Test, Dynamic Test Actuationtime, Dynamic Test Control Value 1actuatorvalue, Dynamic Test Control Value 1ID Actuator, Dynamic Test Control Value 2actuatorvalue, Dynamic Test Control Value 2ID Actuator, Dynamic Test Control Value 2idactuator, Dynamic Test Control Value 3actuatorvalue, Dynamic Test Control Value 3ID Actuator, Dynamic Test Control Value 3idactuator, Dynamic Test Control Value 4actuatorvalue, Dynamic Test Control Value 4ID Actuator, Dynamic Test Control Value 4idactuator, Dynamic Test Control Value Actuationtime, Dynamic Test Control Value Waitingtime, Dynamic Test Watingtime, Electrically Adjustable Steering Column Test Control Value, Emergency Brake Signal Control State, Emergency Brake Signal Control Value On OFF, Emergency Brake Signal VW Local Control State, Emergency Flashers Control Lamp, Emergency Flashers Indicator Lamp, Enabling For External Systems Test Control Value, Engine Compartment Light, Enrgy Consumer Switchoff Ctrl Val Cen Lck Rr Rt, Entry And Start Authorisation Aerials Diagnosis Control Value, Entry Light Rear Test Control Value Side Selection, Entry Light Rear Test Control Value Start Parameter, Entwicklerstellglied 01 IO Control Option OBD Status Lamp, Environment Illumination Test Control Value, Error Lamp, Error Text Output, Erweiterte Stellglieddiagnose ABS Pump Motor, Erweiterte Stellglieddiagnose ABS Pump Motor (2), Erweiterte Stellglieddiagnose Front Left ABS Inlet Valve, Erweiterte Stellglieddiagnose Front Left ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Front Left ABS Outlet Valve, Erweiterte Stellglieddiagnose Front Left ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Front Right ABS Inlet Valve, Erweiterte Stellglieddiagnose Front Right ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Front Right ABS Outlet Valve, Erweiterte Stellglieddiagnose Front Right ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Rear Left ABS Inlet Valve, Erweiterte Stellglieddiagnose Rear Left ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Rear Left ABS Outlet Valve, Erweiterte Stellglieddiagnose Rear Left ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Rear Right ABS Inlet Valve, Erweiterte Stellglieddiagnose Rear Right ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Rear Right ABS Outlet Valve, Erweiterte Stellglieddiagnose Rear Right ABS Outlet Valve (2), Erweiterte Stellglieddiagnose TC ISO 1 Valve, Erweiterte Stellglieddiagnose TC ISO 1 Valve (2), Erweiterte Stellglieddiagnose TC ISO 2 Valve, Erweiterte Stellglieddiagnose TC ISO 2 Valve (2), Erweiterte Stellglieddiagnose TC Supply 1 Valve, Erweiterte Stellglieddiagnose TC Supply 1 Valve (2), Erweiterte Stellglieddiagnose TC Supply 2 Valve, Erweiterte Stellglieddiagnose TC Supply 2 Valve (2), ESP Road Test, ESP Test, ESP-Data (Brake), ESP-Data (Variants), Example Input Output Identifier Controlstate, Exterior Light Entire Test Control Value, Exterior Lighting, Fill Pressure Lines, Flame Monitor/glow Element Unit, Fog Light, Fog Light Left Test Control Value, Fog Light Rear Test Control Value, Fog Light Right Test Control Value, Fog Light Test Control Value Side Selection, Fog Light Test Control Value Start Parameter, Fog Lights, Fog Lights Rear, Fog Lights Rear Left, Fog Lights Rear Right, Fog-Lamps Bulb Left, Fog-Lamps Bulb Right, Footwell Illumination Front Test Control Value, Footwell Illumination Multicolor Control Value, Footwell Illumination Rear Test Control Value, Footwell Light Test Control Value, Footwell Lighting Rear Left, Footwell Lighting Rear Right, Footwell Lights, Footwell Lights Front, Footwell Lights Rear, Fr Wash Pmp Ctrl Heat Wip Arms Tst Ctrl Val, Fresh Air Blower Activation, Fresh Air Flap Positioning Motor Control Value On Off, Front Axle Torque Request, Front Centre Console Ambient Light 1, Front DS Door Trim Ambient Light., Front Fog Lights, Front Footwell Lighting, Front Left ABS Inlet Valve Control Value On OFF, Front Left ABS Inlet Valve Front Left ABS Inlet Valve, Front Left ABS Inlet Valve VW Local Control State, Front Left ABS Outlet Valve Control Value On OFF, Front Left ABS Outlet Valve VW Local Control State, Front Left Abs Solenoid Valve, Front Left Turn Signal Indicator Lamp 2, Front Lid Release Motor Control Value, Front Parking Aid Loudspeaker Control Value, Front Parking Aid Warning Buzzer, Front PS Door Trim Ambient Light., Front Right ABS Inlet Valve Control Value On OFF, Front Right ABS Inlet Valve Front Right ABS Inlet Valve, Front Right ABS Inlet Valve VW Local Control State, Front Right ABS Outlet Valve Control Value On OFF, Front Right ABS Outlet Valve VW Local Control State, Front Right

Abs Solenoid Valve, Front Right Turn Signal Indicator Lamp 2, Front Washer Pump Control Unit Front Washing Test Control Value, Front Washer Pump Ctrl Unit Heat Wiper Arms Test Control Value, Front Washing Test Control Value, Front Wiper Service Mode/Position, Front Wiper Tear Wiping, Front-Passenger Airbag Indicator Lamp (off), Fuel Heating Element Actuation Test Control Value On Off, Fuel Metering Pump, Fuel Pre-Heating Heater, Fuel Pump Relay, Fuel Pump Relay Control Test Control Value On Off, Fuel Tank Cap: Lock, Fuel Tank Cap: Unlock, Fuel Tank Flap Lock Control Value, Fuel Tank Flap Unlock Control Value, Fun Lmp Autohold Btn Fun Lmp Autohold Btn, Fun Lmp Park Brk Btn Fun Lmp Park Brk Btn, Function Lamp For Autohold Button, Function Lamp For Autohold Button Fun Lamp For Autohold Button, Function Lamp Parking Brake Button, Function Lmp For Autohold Btn IO Ctrl Opt Fun Lmp For Autohold, Function Lmp Parking Brake Button Fun Lmp Parking Brake Button, Function Lmp PK Brk Button IO Ctrl Opt Fun Lmp PK Brk Button, Function Test Ebkv Stage, Glovebox Unlocking Motor, Glow-Plug with Flame Monitoring, Green Function Lamp Control State, Green Indicator Lamp Control Value On Off, Haldex Trans Act Ctrl Val Haldex Trans Act, Hazard Warn Light SW Functional Illum Tst Ctrl Val, Hazard Warnng. System Indic. Lamp, Hazard Warning Light Switch Functional Illum Test Ctrl Value, Hazard Warning System Indicator Light Test Control Value, HDC Indicator Lamp, Headlamp Cleaning System Relay, Headlight Left Power Supply Test Control Value, Headlight Right Power Supply Test Control Value, Headlight Washer Pump, Headlight Washer System, Headlight Washer Test Control Value, Heated Front Window Indicator Light Test Control Value, Heated Front Window Test Control Value, Heated Rear Window, Heated Rear Window Activation, Heated Rear Window Indicator Light Test Control Value, Heated Rear Window Test Control Value, Heated Seat Front Left, Heated Seat Front Right, Heated Steering Wheel, Heated Windscreen Relay Test Control Value, Heated Windshield, Heater Engine Coolant Blocking Valve, Heater Glow Plug Test Control Value On Off, High Beam, High Pressure Valve Rear Axle Control Value On OFF, High-Beam Headlight, High-Beams Bulb Left, High-Beams Bulb Right, Hill Descent Assist Indicator Light Test Control Value, Hill Hold Control (HHC), Hill Hold Control Button Led, Hill Hold Control Indicator Lamp, Horn, Horn Relay, Hv Batt. Charge Warning Lamp, Hv Batt.: Sv 1 Coolg.sys.opening, Hv Batt.: Sv 2 Coolg.sys.opening, Hv Batt.:sv 1 Cooling Sys.closing, Hv Batt.:sv 2 Cooling Sys.closing, Hv Batt.immediate Charging Button, HV Battery Charge/discharge Current, Hv Battery: Fan Actuation, Hv Battery: Vent Flap 1, Hv Battery: Vent Flap 2, Hv Charging Cable Indicator Lamp, Hydraulic Pump Hydraulic Pump, Illum Op And Disp Tst Ctrl Val On Off, Illumination Operating And Display Unit Test Ctrl Value On Off, Ind Lamp For Start Stop Operation Or Elec Dr Test Ctrl Value, Ind Lamp In Electronic Parking Brake Button Ctrl Value On Off, Ind Lmp Electromechanical Park Brk Ind Lmp Electromechanical P, Ind Lmp Electromechanical Park Brk VW Com Ctrl St, Ind Lmp In Elec Park Brk Btn Ctrl Val On Off, Ind Lmp Malf Electromechani Park Brk Ind Lmp Malf Electromecha, Ind Lmp Malf Electromechanical Park Brk VW Com Ctrl St, Ind Lmp Strt St Op Or Elec Dr Tst Ctrl Val, Indicator Lamp Auto Hold, Indicator Lamp Auto Hold Control Value, Indicator Lamp Auto Hold Indicator Lamp Auto Hold, Indicator Lamp For Hold Assist Control Value On OFF, Indicator Lamp Park Brake Button Control State, Indicator Light For Automated Driving Test Control Value, Indicator Light For Auxiliary Water Heating Test Control Value, Indicator Light For Engine Sound Generation Test Control Value, Indicator Light For Steering Wheel Heater Test Control Value, Indicator Lmp For Electromechanical PK Brk Ind Lmp For Electrom, Indicator Lmp Malf Electromechanical PK Brk Ind Lmp Malf Electr, Inlet Valves Front Left ABS Inlet Valve, Inlet Valves Front Right ABS Inlet Valve, Inlet Valves IO Control Option Front Left ABS Inlet Valve, Inlet Valves IO Control Option Front Right ABS Inlet Valve, Inlet Valves IO Control Option Rear Left ABS Inlet Valve, Inlet Valves IO Control Option Rear Right ABS Inlet Valve, Inlet Valves Rear Left ABS Inlet Valve, Inlet Valves Rear Right ABS Inlet Valve, Instrument Cluster: Contour Lighting, Instrument Lighting Test Control Value Klemme 58xs, Instrument Lighting Test Control Value Klemme 58xt, Instrument Lighting Test Control Value Start Parameter, Int Aerial 1 Entry And Strt Sys Diag Ctrl Val, Int Aerial 2 Entry And Strt Sys Diag Ctrl Val, Interior Aerial 1 For Entry And Start System Diag Ctrl Value, Interior Aerial 2 For Entry And Start System Diag Ctrl Value, Interior And Function Lighting, Interior Door Handle Illumination, Interior Illumination, Interior Light Dimming

Test Control Value, Interior Lighting (Terminal 30), Interior Lights Dimming (Termina, Interior Monitoring System Indicator Lamp, Interior Monitoring Vehicle Type, Interior Rear Light, Keyless Antennas: Access/start Authorization, Lck Elec Act Ctrl Val Haldex Trans Act, Left, Left Rear Light, Left Side 2nd Row Actuator Test Precrash Pretensioner, Left Side Actuator Test Precrash Pretensioner, Lens Heater Control Value, Licence Plate Light, License-Plate Lights, LKL1 Actuator Diagnosis Control Value LED, LKL2 Actuator Diagnosis Control Value LED, Lug Comp Aerial Entry And Strt Sys Diag Ctrl Val, Lug Comp Emerg Rel Ind Lmp Tst Ctrl Val, Lug Compartment Aerial For Entry And Strt Sys Diag Ctrl Value, Near Field Communication Antenna Test Control Value, Oil Temperature, Output 1 For Exterior Lighting Test Control Value, Output 10 For Exterior Lighting Test Control Value, Output 11 For Exterior Lighting Test Control Value, Output 12 For Exterior Lighting Test Control Value, Output 13 For Exterior Lighting Test Control Value, Output 14 For Exterior Lighting Test Control Value, Output 15 For Exterior Lighting Test Control Value, Output 16 For Exterior Lighting Test Control Value, Output 17 For Exterior Lighting Test Control Value, Output 18 For Exterior Lighting Test Control Value, Output 19 For Exterior Lighting Test Control Value, Output 2 For Exterior Lighting Test Control Value, Output 20 For Exterior Lighting Test Control Value, Output 21 For Exterior Lighting Test Control Value, Output 22 For Exterior Lighting Test Control Value, Output 23 For Exterior Lighting Test Control Value, Output 3 For Exterior Lighting Test Control Value, Output 4 For Exterior Lighting Test Control Value, Output 5 For Exterior Lighting Test Control Value, Output 6 For Exterior Lighting Test Control Value, Output 7 For Exterior Lighting Test Control Value, Output 8 For Exterior Lighting Test Control Value, Output 9 For Exterior Lighting Test Control Value, Output Tests (03), Outside Warning Light/Door Exit Light Rear Right, Park Brk Mot Lt Closing Stepwise Park Brk Mot Lt Closing Stepw, Park Brk Mot Lt Closing Stepwise VW Com Ctrl St, Park Brk Mot Rt Closing Stepwise Park Brk Mot Rt Closing Stepw, Park Brk Mot Rt Closing Stepwise VW Com Ctrl St, Park Brk Motors Closing Stepwis Park Brk Motors Closing Stepwis, Parking Aid Button Indicator Light Test, Parking Aid Button Indicator Light Test Control Value 1, Parking Brake Button Led, Parking Brake Indicator Lamp, Parking Brake Motors, Parking Brake Motors Closing Stepwise, Parking Brake Motors Parking Brake Motors, Parking Brake Warning Lamp, Parking Brk Mot Lt Closing Stepwise IO Ctrl Opt PK Brk Mot Lt C, Parking Brk Mot Lt Closing Stepwise PK Brk Mot Lt Closing Stepw, Parking Brk Mot Rt Closing Stepwise IO Ctrl Opt PK Brk Mot Rt C, Parking Brk Mot Rt Closing Stepwise PK Brk Mot Rt Closing Stepw, Parking Brk Motors Closing Stepwise IO Ctrl Opt PK Brk Motors C, Parking Brk Motors Closing Stepwise PK Brk Motors Closing Stepw, Parking Lights Left, Parking Lights Right, Passenger Airbag Off Display, Passenger- Airbag-Off Display Control Onoff, PODS Serial Number, Pressure Test, Ps Belt Buckle Illumination, Pulse-wheel test, Pump For All Wheel Drive Electronic Valve 1, Pump For All Wheel Drive Electronic Valve 2, Pump For All Wheel Drive Electronic Voltage Value, Push Button Leds Control Value, PWM Signal Belt, Radiator Fan Actuation 1, Radiator Fan Actuation 2, Radiator fan control 1 start parameter, Radiator fan control 2 start parameters, Read Configuration, Rear Centre Belt Catch Lighting, Rear Fog Light, Rear Left ABS Inlet Valve Control Value On OFF, Rear Left ABS Inlet Valve Rear Left ABS Inlet Valve, Rear Left ABS Inlet Valve VW Local Control State, Rear Left ABS Outlet Valve Control Value On OFF, Rear Left ABS Outlet Valve VW Local Control State, Rear Left Abs Solenoid Valve, Rear Left Belt Catch Lighting, Rear Left Indicator La, Rear Left Lock Motor, Rear Lid, Rear Light Test Control Value, Rear Right ABS Inlet Valve Control Value On OFF, Rear Right ABS Inlet Valve Rear Right ABS Inlet Valve, Rear Right ABS Inlet Valve VW Local Control State, Rear Right ABS Outlet Valve Control Value On OFF, Rear Right ABS Outlet Valve VW Local Control State, Rear Right Abs Solenoid Valve, Rear Right Belt Catch Lighting, Rear Right Indicator, Rear Right Lock Motor, Rear Roller Blind Test Control Value, Rear Spoiler, Rear Spoiler Position Test Control Value, Rear Window Roller Blind Motor, Rear Windshield Unlocking Control Circuit, Rear Wiper, Rear-Window Defogger, Recirculating Pump, Red Function Lamp Control State, Red Indicator Lamp Control Value On Off, Red Warning Lamp Control State, Red Warning Lamp Control Value On Off, Release Both Brakes Control State, Release Both Brakes Control Value On Off, Release Left Brake Control State, Release Left Brake Control Value On Off, Release Right Brake Control State, Release Right Brake Control Value On Off,

Remote Start Or Pre Conditioning Relay Control Value, Reserved VW Common Control State, Reset Hv Charge Cable Mating Cyc., Reversing Light, Reversing Light Test Control Value, RGB1 LKL1 Actuator Diagnosis Control Value LED, RGB1 LKL2 Actuator Diagnosis Control Value LED, RGB2 LKL1 Actuator Diagnosis Control Value LED, RGB2 LKL2 Actuator Diagnosis Control Value LED, Right, Right Rear Light, Right Side 2nd Row Actuator Test Precrash Pretensioner, Right Side Actuator Test Precrash Pretensioner, Roller Test Bench Mode, Rolloverbars, Rolloverbars Control Onoff, Safe Indicator Light, Safety/Deadbolt Locks Activation, Segment Test, Self Test Ground Cabling Control Value Currentsource, Short Brake Apply Left Control State, Short Brake Apply Left Control Value On Off, Short Brake Apply Right Control State, Short Brake Apply Right Control Value On Off, Sliding Sunroof Opening, Sounder Control Value On Off, Static Test, Stopwatch, Swinging Logo Test, Swinging Logo Test Control Value 1, Switch Control Control Value Status Switch, System Adjustment, System Adjustment Control Value, System function test, System Identification, Tail Lights Left, Tail Lights Right, Taillights, Tank Flap, Tank Flap Locking: Actuation, Tank Flap Release, Terminal 58s, Test Drive Activation, Test Drive Deactivation, Text, Theft Protection, Theft Protection Control Option, Theft Protection Control Value, Topview Camera Display Test Control State, Torque Demand Left Level 1, Torque Demand Left Level 2, Torque Demand Left Level 3, Torque Demand Right Level 1, Torque Demand Right Level 2, Torque Demand Right Level 3, Transmission Power Test VW Common Control State, Transmission Power Test VW Common Control State 1, Transmission Power Test VW Common Control State 2, Transmission Power Test VW Common Control State 3, Transmission Power Test VW Common Control State Signal Path, Transmission Power Test VW Common Ctrl State Transmission Power, Trunk Light, Trunk Light Left, Trunk Light Right, Trunk Locking Module, Trunk Motor, Trunk Remote Unlocking, Vacuum Pump For Brakes Actuation Control Value On OFF, Veh Stabilization Prog SW Vlv 1 Ctrl Val On Off, Veh Stabilization Prog SW Vlv 1 VW Local Ctrl St, Veh Stabilization Prog SW Vlv 2 Ctrl Val On Off, Veh Stabilization Prog SW Vlv 2 VW Local Ctrl St, Vehicle Conditioning, Vehicle Inclination Sensor Indicator Lamp, Vehicle Stabilization Program Switch Valve 1 Ctrl Value On OFF, Vehicle Stabilization Program Switch Valve 2 Ctrl Value On OFF, Video Signal Test Input Output Control Parameter, Warning Beeper, Warning Beeper Warning Beeper, Warning Message, Warning Tone Generator, Wheel Speed Sensor Test Executiontime, Wheel Speed Sensors Index Error Test Control Value Axle, Window Shade Motor Rear, Window Wiper System Rear Test Control Value, Windscreen Heating Control Value, Yellow Warning Lamp Control State, Yellow Warning Lamp Control Value On Off, Output Tests (03)

Volvo Coverage

- Added coverage for 80 new system applications

