

# Bosch ADS Software Update – Dec 2024

## Ver 6.4

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

**Version 6.4** software includes new **2025** and more model year **2024** vehicle coverage and additional **ADAS** calibrations.

Over 12K new special tests and new system applications included in this update.

Software and coverage feature details provided in these release notes.

*Note: Next release ver 6.5 is scheduled for Feb 5, 2025*



ADS X

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## Coverage Highlights (More Details start on Page 2)

### 2024 Coverage added – DTC, Data support and Bi-Directional functions

- **BMW** – M440i Gran Coupe (G26), M440i xDrive Gran Coupe (G26)

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

- **Ford** – Escape, Explorer, Police Interceptor Utility
- **Lexus** – ES250, ES300h, ES350, GX550, NX250, NX350, NX350h, NX450h+, RX350, RX350h, RX450h+, RX500h, RZ300e, RZ450e, TX350, TX500h, TX550h+, UX300h
- **Lincoln** – Aviator, Corsair, Nautilus
- **Subaru** – Forester, Legacy, Outback
- **Toyota** – bZ4X, Camry, Corolla, Crown, Crown Signia, GR Corolla, GR Supra, GR86, Grand Highlander, Land Cruiser, Prius, Prius AWD-e, Prius Prime, Sequoia, Sienna, Tundra

### ADAS\*\* – New ADAS calibration coverage:

- **2021-2025 Coverage:**
  - Acura – MY2024-25 TLX
  - Audi – MY2023 A7 Sportback
  - BMW – MY2024 5-Series, MY2023 M440i Gran Coupe
  - Ford – MY2025 Escape, Explorer, Police Interceptor Utility
  - Genesis\* – MY2024 GV60
  - Hyundai\* – MY2024 Kona, Sonata
  - Kia\* – MY2024 Sorento
  - Land Rover – MY2021-24 Range Rover Sport
  - Lexus – MY2025 ES250, ES300h, ES350
  - Lincoln – MY2025 Aviator, Corsair, Nautilus
  - Subaru – MY2025 Legacy, Outback
  - Toyota – Corolla, Crown, GR Corolla, GR Supra, Sequoia

\*ADS 525X/625X only for bi-directional functions for Hyn/Kia/Gen

\*\*All Dynamic ADAS calibrations are included in standard ADS Tool Subscription. Static calibrations that require ADAS targets and fixtures require additional ADAS Subscription used with ADS 625/625X.

## New Coverage Details – USA Domestic

### New Chrysler, Dodge, Jeep, RAM Coverage

#### 152 new Adjustment type special tests:

ABS Bleed Brakes, ABS Initialization, ABSO Initialization, Active Grill Shutter Replaced, Actuator Calibration, Auto Door Lock, Auto High Beam Demo Mode Test, Automated Bleed, AUTOMATIC DOOR UNLOCK SELECT, Bleed Brakes, Brake Pedal Calibration, Brake Pedal Learn, Calibrate Liftgate, 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 Stored Accumulated Fuel Mass, Clear TPM Sensor Rolls Test Results, Clear Variable Line Pressure Counters, Closed Coupled Replacement, Configure IBS for Stop-Start, Configure License Plate Size, Coolant Three Way Valve Replaced, Coolant Three Way Valve, Diesel Particulate Filter Regeneration, Disable Auto Relock, DPF Pressure Sensor Reset, DPF Regen, DPF Replacement, Driving Regeneration Request, Dual Alternator Enable/Disable, Dual Fuel Tank Enable / Disable, ECU Replacement With Value Transfer, EGR Coolant Regeneration, EGR Low Pressure Learn, EGR System Test, EGS Initialization, Emissions Rolls Test Mode, Enable / Disable Vehicle Features, Enable/Disable DRL, Enable/Disable Seatbelt Minder Chime, Engine Idle Shutdown Feature Enable/Disable, EPB Service Procedures, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, Exit Shipping Mode, FCM Enable Emissions Rolls Test Mode, Fleet Pin Reset, Front Axle Disconnect Feature, Headlamp Leveling, High Temp Cabin Valve Cal/Test, HVAC Actuator Calibration Test, Hydraulic Circuit Depressurization, Idle Shutdown Timer Adjustment, Initialize ABS, Initialize Cluster Configuration w/o Odometer Affect, Initialize CVT, Initialize ORC, Injector Quantity Adjustment, Intake Phaser 1 Cleaning, Intake Phaser 2 Cleaning, Key FOB Identification, Key Fobs Linked To Memory, KeySense PIN Reset, Learn Clutches Contact Point, Learn ETC, Light Rain Sensor Calibration, Longitudinal G Sensor Calibration, Low Temp Coolant Fill - Active Pump, Low Temp Coolant Fill - Passive Pump, Manual Logistic Mode Procedure Enable, Mass Air Flow Sensor Initialization, Microphone Output Short Test, Microphone Tone Test, New Actuators, New Engine Installed, Non-Volatile Memory Reset, OCM System Verification Test, Oil Change Light Reset, Oil Change Monitor Type, Oil Life Restore, Program Engine Serial Number, Program Tire Sensor Identifications, Program Tire Size, Program Variant Coding, PROXI Back Up IPC to BCM., Proxi Configuration Alignment, PTO RPM Adjustment, PTO Settings, Quick Learn, Quicklearn 62TE, Quicklearn Non RFE, Quicklearn RFE, RAM Active Air Box Calibration, Rear Differential Bleed, Remote Start Temporary Disable, Reset Adaptive Values, Reset After Replacement Of Lambda Sensor, Reset Clutch Capacity Adaption, Reset ECU, Reset Enhanced Automatic Oil Change Indicator, Reset Error Free Operation Time to 40 Hours, Reset H2O Lamp, Reset High Voltage Cable Open DTC, Reset Injector Compensation Values, Reset Memory, Reset of Lambda Values, Reset of SCR Long Term Adaptation Factor, Reset Parameters to Default, Reset PTU Shift Counter, Reset SCR Mileage Counter to 200 Miles, Reset VCM Adaptives, Reset Zero Fuel Quantity Calibration, Resolver Offset Learn, 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, Sensor Wiring Test, Service Procedures, Set Max Cruise Speed, Set Max Vehicle Speed, Snorkel Output Test, Standardization, Stationary Desoot (DPF Regen), Store Learned TCU Adaptives, System Air Mass/Pressure/Ride Height Readings, TCC Break In, TCM Reset Learned Adaptives Routine, Tip Start Temporary Disable, Tire Pressure Sensor Registration, TLC Learn, 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, VGT Learn, VGT Sector Gear Hysteresis Test, View/Reset Duty Cycle Maps, VIN Lock, Write Pinion Factor, Write VIN

### 1399 new Actuation type special tests:

1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 2/4 Clutch Volume Index Check, 2-3 Skip Shift Solenoid Control State, 2-4 Solenoid 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), 3rd Gear Clutch Test (62TE), 3rd Gear Clutch Test (Non-RFE), 3rd Gear Clutch Test (RFE), 4 Low Indicator, 4C Solenoid State, 4C Solenoid, 4th Gear Clutch Test (62TE), 4th Gear Clutch Test (Non-RFE), 4th Gear Clutch Test (RFE), 4WD AUTO Indicator, 4WD Auto, 4WD Indicator, 4WD LED, 4WD Lock Indicator, 4WD Low, 4WD Neutral Indicator, 4WD, A/C Compressor Clutch Relay Control State, A/C Relay, A/C Request, A/C Select, A/C, ABS fault Lamp, ABS Lamp, ABS Light, ABS Warning Light, ABS, AC Button, A-C Button, A-C Compressor Clutch Relay Control State, AC emergency shut off, AC Indicator, A-C INDICATOR, AC Off For Vehicle Manoeuvring, AC Request, A-C Request, A-C Select, Acc/Run/Start Relay, Accessory Delay Time, Activate Driver and Passenger Head Restraints, Activate Fuel Lift Pump, Activate TPM High Gain Mode, 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, Actuator Test Of Urea Back Flow Pump Actuator, Adjustable Pedal Disable Relay, Aftertreatment System Performance Test, Air Bag Lamp, Air Bag Light, Air Bag, Air Condition Relay Control, Air Condition, Air Dam Test, All Doors/Central Locks, All Doors-Central Locks, Alternator Current Limit, Alternator Field Control State, Alternator Field Duty Cycle, Alternator Field Duty-Cycle, Alternator Output Voltage Setpoint, Alternator Test, Alternator Voltage Set Point Value, Ambient Light State, AMP Output Short Test, ANC Output Short Test, Antenna Power, APM Status, Approach Light State, Assist Call Button Green LED, Assist Call Button Red LED, Assist Call Green Day PWM, Assist Call Green LED Control PWM, Assist Call Green Night PWM, Assist Call Red Day PWM, Assist Call Red LED Control PWM, Assist Call Red Night PWM, Audio Test For Subwoofer Specific, Audio Test, Audio Video Signal Detection, AUTO Button, Auto Indicator, AUTO LED, 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, Automatic High Beam Operation, Auxiliary Coolant Pump Relay, Auxiliary Coolant Pump, Auxiliary Fuel Pump, AWD System Switch, BACK button, Back Up Lights, Background LED Illumination Level, Background LED State, Backlight 1 Level, Backlight 2 Level, Backlight 3 Level, Backlight 4 Level, Backlight 5 Level, Backlight 6 Level, Backlight 7 Level, Backlight 8 Level, Backlight Control, Backlight Control-A/C LED, Backlight Control-Auto LED, Backlight Control-Backlight PWM1, Backlight Control-Backlight PWM2, Backlight Control-Backlight PWM3, Backlight Control-Backlight PWM4, Backlight Control-Backlight PWM5, Backlight Control-Backlight PWM6, Backlight Control-Blue Driver/Passenger Temp Down, Backlight Control-Blue LEDs, Backlight Control-Display PWM, Backlight Control-ESP LED, Backlight Control-Front Defrost LED, Backlight Control-HVAC Recirc/AC/Front Def/Rear Def, Backlight Control-LED Jewel Indicator auto, Backlight Control-LED Jewel Indicators excluding Auto, Backlight Control-Rear Defrost LED, Backlight Control-Recirc LED, Backlight Control-Red Driver/Passenger Temp Up, Hazard, Backlight Control-Red LEDs, Backlight Control-Sapphire Blue Enter/Mute Knobs, Backlight Control-Sapphire Blue HVAC Auto/Fan Off, Backlight Control-Sapphire Blue Knob Halo Rings, Backlight Control-Sapphire Blue Lower Row Switchbank Buttons, Backlight Control-Sapphire Blue Screen Off, Back Buttons, Backlight Control-Stop/Start LED, Backlight Control-White Backlight LEDs, Backlight Control-White Ring LEDs, Backlighting: Driver Temp Down, Pass Temp Down, Backlighting: Driver Temp Up, Pass Temp Ujp., Backlighting: Knob Halo White Backlighting, Backup Alarm, Baggage Lamps, Balance Level Settings, Balance Settings, Bass Level Settings, Bass Settings, Battery Bad (Red),

Battery Charge LEDs, Battery Coolant Heater, Battery Coolant Pump, Battery Good (White), Battery LED 1, Battery LED 2, Battery LED 3, Battery LED 4, Battery LED 5, Battery LED 6, Battery LED 7, Battery LED 8, Battery LED 9, Battery Voltage LEDs, Bed Lamp, Blower Motor Speed, Blower Motor, BLUE Circuit, Blue Cooled Seat Indicators, Blue Heated Seat Indicators, Blue Temperature Bar, Boost Low Pressure Actuator, Boost Pressure Actuator, Boost Pressure, Both Headlamps Max High Position, 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 Indicator, Brake Light, Brake State Output, Brake Switch, BRAKE Text, Brake Warning Lamp, BSM State, BTSI Coil Output Control, BTSI Control, BTSI Solenoid, Bussed SRS Indicator Lamp Request, Button 11 (Spare), Button 14 (Spare), Button 15 (Spare), Button 16 (Spare), Button 24 (Spare), Button 6 (Spare), Button 7 (Spare), Button 8 (Spare), Button Indicators, Buttons/Encoder Control-A/C Button, Buttons/Encoder Control-Auto Button, Buttons/Encoder Control-Back Button, Buttons/Encoder Control-Button 1 (Front Defrost), Buttons/Encoder Control-Button 10 (FCW), Buttons/Encoder Control-Button 12 (Back), Buttons/Encoder Control-Button 13 (Screen Off), Buttons/Encoder Control-Button 14 (ESP), Buttons/Encoder Control-Button 16 (PTS), Buttons/Encoder Control-Button 17 (Mute), Buttons/Encoder Control-Button 18 (Enter), Buttons/Encoder Control-Button 19 (Rear Defrost), Buttons/Encoder Control-Button 2 (Driver Temp Up), Buttons/Encoder Control-Button 20 (Passenger Temp Down), Buttons/Encoder Control-Button 21 (Auto), Buttons/Encoder Control-Button 22 (Driver Temp Down), Buttons/Encoder Control-Button 23 (Recirc), Buttons/Encoder Control-Button 3 (Fan Off), Buttons/Encoder Control-Button 4 (Driver Temp Up), Buttons/Encoder Control-Button 5 (AC), Buttons/Encoder Control-Button 9 (Eco), Buttons/Encoder Control-Driver/Main Temp Down Button, Buttons/Encoder Control-Driver/Main Temp Up Button, Buttons/Encoder Control-EBL (Rear Defrost) Button, Buttons/Encoder Control-Enter Button, Buttons/Encoder Control-ESP Button, Buttons/Encoder Control-Front Defrost Button, Buttons/Encoder Control-HVAC Power Button, Buttons/Encoder Control-Mute Button, Buttons/Encoder Control-Passenger Temp Down Button, Buttons/Encoder Control-Passenger Temp Up Button, Buttons/Encoder Control-Recirc Button, Buttons/Encoder Control-Rotary 1 Detents (Volume), Buttons/Encoder Control-Rotary 1 Direction (Volume), Buttons/Encoder Control-Rotary 2 Detents (Fan), Buttons/Encoder Control-Rotary 2 Direction (Fan), Buttons/Encoder Control-Rotary 3 Detents (Tune), Buttons/Encoder Control-Rotary 3 Direction (Tune), Buttons/Encoder Control-Rotary 4 Detents, Buttons/Encoder Control-Rotary 4 Direction, Buttons/Encoder Control-Rotary Blower Knob, Buttons/Encoder Control-Rotary Tuner Knob, Buttons/Encoder Control-Rotary Volume Knob, Buttons/Encoder Control-Screen Off Button, Buzzer Control, Cabin Temperature Sensor, Cargo Lamp, Cargo Light Indicator, Cargo Light, Catalyst Efficiency Test, CEGR H-Bridge Valve Duty Cycle, Center High Mount Stop Lamp, Center Stop Lamp, Central high mounted Stop Light (CHMSL), Central Stop Lamp, 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, Charge Port Command CAN, Charge Port Command Hard Wired, Charge Port Lock Motor, Charge Port Request Tester, Charge Port Un-Lock Motor, Check Engine - MIL Lamp, Check Engine MIL Lamp, Check Engine-MIL (Malfunction Indicator Lamp), Check PCM Odometer, Chiller Shut-off Valve, CHMSL Lamp, CHMSL and Stop/Turn Lights, Clutch Signal To ECM Output Control, CNG Indicator, CNG Injector Relay, CNG Shut Off Relay, CNG/Gasoline Forced Fuel Type, Cold Start Aid Driver 1 Output, Cold Start Aid Driver 1, Compressed Natural Gas, Compression Test, Compressor Current, Control All Solenoids, Convenience/Reading Lamp, Convenience-Reading Lamp, Coolant Bad Indicator, Coolant Fill Active Pump, Coolant Fill, Coolant Good Indicator, Coolant High Temperature Auxiliary Electric Pump, Coolant Temp LED 1, Coolant Temp LED 2, Coolant Temp LED 3, Coolant Temp LED 4,

Coolant Temp LED 5, Coolant Temp LED 6, Coolant Temp LED 7, Coolant Temp LED 8, Coolant Temp LED 9, Coolant Temp LEDs, Coolant Temperature, Coolant Three Way Valve Test, Cooldown Test, Cooled EGR H-Bridge Valve System Test, Cooled Seat Driver High Indicator, Cooled Seat Driver Low Indicator, Cooled Seat Driver Med Indicator, Cooled Seat Passenger High Indicator, Cooled Seat Passenger Low Indicator, Cooled Seat Passenger Med Indicator, Cooler Bypass Valve, Cooling Valve Position, Courtesy Lamps Rear Dome Light, Courtesy Lamps, Courtesy/Convenient/Ambient Function, Crankcase Ventilation Heater, Crankcase Ventilation, 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 4 Deactivation Solenoid Control State, Cylinder 4 Deactivation Solenoid, Cylinder 6 Deactivation Solenoid Control State, Cylinder 7 Deactivation Solenoid Control State, Cylinder Balance Test, D LED State, DC Clutch Volume Index Check, 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, 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 Relay, Digital Inputs1 High Memory, Direction - VOLUME Encoder, Disable Passenger Airbag Lamp Request, Display Start Inhibit Data, Door Ambient Light State, Door Courtesy Lamp State, Door Handle Power Control, Door Handle Verification Test, Double Start Override Relay, DPF Lamp, DPF Reset Option, DR Solenoid, Driver Cooled Seat, Driver Heated Seat, Driver Side Seat Belt, Driver Temp Detents, Driver Temp Down Button, Driver Temp Rotary Direction, Driver Temp Up Button, DRL, DRLs and Side Repeaters, DTI FUEL TRANSFER RLY, DTI LTR CLNT PMP, DTI SPRCHRGR BPV MOTOR, DTI VVL SOL1, DTI VVL SOL2, DTI VVL SOL3, DTI VVL SOL4, Dual Speed Fuel Pump Relay, Dual Speed Oil Pump Status, Dual Speed Oil Pump, Dual Tank Aux LP Relay, Duct Sensor - Floor Left, Duct Sensor - Floor Right, Duct Sensor - Panel Left, Duct Sensor - Panel Right, Duct Sensors -Panel Right, Dump Valve, Duty Cycle Purge Solenoid, DZ AUTO button, DZ DRIVER TEMP DOWN button / SZ TEMP UP button, DZ DRIVER TEMP UP button / SZ TEMP UP button, DZ PASSENGER TEMP DOWN button, DZ PASSENGER TEMP UP button, EAC Compressor Speed Request, Easy Entry/Exit, EBD Warning Light, EBL (REAR DEFOG) button, EBL (REAR DEFOG) Indicator, EBL Status, EC Mirror State, E-Call Backlight LED, E-Call Button Backlight LED, E-Call Button Green LED, E-Call Button Red LED, E-Call Green Day PWM, E-Call Green Night PWM, E-CALL Green Status LED, E-Call Red Day PWM, E-CALL Red Error LED, E-Call Red Night PWM, ECC Percent Max Torque, ECO Button, ECO Indicator, ECO ON-OFF Indicator, ECO, ECVD Compressor PWM Command, ECVD Compressor PWM Command~ECVD Compressor PWM Command, EGR Cooler Bypass, EGR DC Motor Sol Vlv Recir Vlv, EGR DC Motor And Solenoid Valve, 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, ELCM Forced Monitor Test, Electric Motor Control, Electric Park Brake Telltale, Electric Thermostat Heater Solenoid Duty Cycle, Electric Thermostat Heater Solenoid, Electric Thermostat Heater, Electric Transmission Oil Pump, Electric Vacuum Pump, Electric Wastegate Valve, Electronic Stability Control Off, Electronic Stability Control, EMCC VLP Solenoid, Emergency Call Backlight LED PWM, Emergency Call Green LED PWM, Emergency Call Red LED PWM, Emissions Rolls Test Mode Is Active, Enable The One Press All Unlock Feature, Enable Trailer Tow Lamps, Engine After Run Coolant Pump, Engine Check Lamp [MIL], 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 Temp LEDs, Engine Temperature, Engine Warm Up, Enter Button, Enter Plant Mode, Enter, EPB Failure Lamp, EPB Service, EPB Warning Light, EQ Loudness Test, ESC Button Lamp, ESC Disable Lamp, ESC Indicator, ESC Malfunction Lamp, ESC Off, ESC ON-OFF Indicator, ESC Safety Lamp, ESC, ESCL 12 Volt Feed

Control, ESCL Unlock Control, ESIM Forced Monitor Test, ESM Power Supply, ESP button, ESP Light, ESP OFF Indicator, ETC Indicator Test, ETC Lamp, ETC System Test, ETC Throttle Follower Test, EVAP Purge Valve, Evaporator Sensor Temperature, Evaporator Temperature Sensor, Exhaust Brake Auto Green, Exhaust Brake Yellow, Exhaust Brake, Exhaust Gas Cooler Bypass Valve, Exhaust Gas Recirculation Valve, Extend Mileage With SCR Active Faults, Faceplate Controls (Eject Button), FAD Feedback Voltage, FAD Lock Request, FAD Supply Voltage, Fade Settings, Fader Level Settings, Fan Clutch PWM Duty Cycle Output, Fan Clutch Test, Fan Off Button, Fan Rotary Detents, FCW Button, Feature Pin, First Row Driver Seatbelt Buckle Sensor-Switch, First Row Passengers Seatbelt Buckle Sensor-Switch, Flash Hazard Lamps on Lock, Flipper Glass 2, Foot Well, Foot Well/Halo Lamps, Foot Well-Halo Lamps, Frequency Step Selection Tuner AM-FM, Frequency Step Selection Tuner FM2, Frequency Step Selection, Front Blower Control, Front Blower Motor, Front Blower Speed, Front Collision Off, Front Collision Off, FRONT DEFROST button, Front Defrost Indicator, Front Defrost, Front Dome Reading Light, Front Fog Lamps, Front Fog, Front Left Turn Lamp, Front Mode 1 Actuator Position, Front Mode 1 Defrost Actuator Position, Front Mode 2 Panel Actuator Position, Front Mode Actuator Position, Front Mode Door Actuator Position, Front Off Road Camera Washer, Front Refrigerant Shut-off Valve, Front Right Turn Lamp, Front Wash, Front Washer, Front Wash-Mist, Front Wiper (High/Low), Front Wiper (High-Low), Front Wiper (On/Off), Front Wiper (On-Off), Front Wiper Test, Front Wiper, 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 1 Control State, Fuel Injector 1, Fuel Injector 2 Control State, Fuel Injector 2, Fuel injector 3 Control State, Fuel Injector 3, Fuel Injector 4 Control State, Fuel Injector 4, Fuel Injector 5 Control State, Fuel Injector 5, Fuel Injector 6 Control State, Fuel Injector 6, Fuel Injector 7 Control State, Fuel Injector 7, Fuel Injector 8 Control State, Fuel Injector 8, Fuel Injector Balance, Fuel Injector Cleaning, Fuel Injector, Fuel Level LEDs, Fuel Metering Unit Actuator, Fuel Metering Unit, Fuel Pre Supply Pump, Fuel Pressure Override, Fuel Pressure Regulated O/P (Bar), Fuel Pressure Regulator Valve, Fuel Pressure Regulator, Fuel Pump Relay Control State, Fuel Pump Relay, Fuel Pump, Fuel System Run Up Test, Functional LED Illumination Level, Functional LED State, Gas Injector Relay, Gasoline Indicator, Gated Park ZFII Output Control, Gated Park ZFII Output, Gear Position, Gear Selection, Generator Ramp Time, Generator Speed Threshold, Glow Lamp, Glow Plug, Glow Relay, Grid Test, HALOS Circuit, Head Rest Relay, Headlamp Delay Time, Headlamp Washer, Headlamps On With Wipers, Headlamps, Heated Rear Window Relay, Heated Seat Driver High Indicator, Heated Seat Driver Low Indicator, Heated Seat Driver Med Indicator, Heated Seat Passenger High Indicator, Heated Seat Passenger Low Indicator, Heated Seat Passenger Med Indicator, Heated Steering Wheel indicator, Heated Steering Wheel, Heated Steering Wheel~Heated Steering Wheel, 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 Indicator, High Beam Light, High Beam, High Pressure Fuel Rail Test, High Pressure Fuel System Test, High Speed Engine Cooling Fan Control, High Speed Fan, High Temp Aux Pump, High Temp Cabin Valve Rotation, High Temp Coolant Fill - Aux Pump, High Temp Shut-off Valve, High Voltage Battery Precharge Contactor Test, High Voltage Coolant Heater, Hill Hold Indicator, Horn LS Driver, Horn, HPCR Duty Cycle Output, HPCR Duty Cycle, HVAC Cool Down Test, HVAC POWER button, I/P Illumination, ICR-HCR Relay, 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 - Acc 1, Ignition Run - Acc 2, Ignition Run - Start, Ignition Run, Ignition RUN/ACC 1, Ignition RUN/ACC 2, Ignition RUN/START, Ignition RUN-ACC 1, Ignition RUN-ACC 2, Ignition RUN-START, IGNM Motor Control, Illuminated Approach Time, Immobilizer Antenna Test, Immobilizer Antenna, In Motion Menu Control, In Motion Menu, Indicator Control-A/C Indicator, Indicator Control-Auto Indicator, Indicator Control-ESP Off Indicator, Indicator Control-FCW

Indicator, Indicator Control-Front Defrost Indicator, Indicator Control-Indicator 1 (Auto), Indicator Control-Indicator 10 (SSO), Indicator Control-Indicator 11 (PPA), Indicator Control-Indicator 12 (LDW), Indicator Control-Indicator 2 (AC), Indicator Control-Indicator 3 (Recirc), Indicator Control-Indicator 4 (Front Defrost), Indicator Control-Indicator 5 (Rear Defrost), Indicator Control-Indicator 6 (ECO), Indicator Control-Indicator 7 (FCW), Indicator Control-Indicator 8 (Traction Control), Indicator Control-Indicator 9 (PTS), Indicator Control-LDW Indicator, Indicator Control-Park Sense Indicator, Indicator Control-Rear Defrost Indicator, Indicator Control-Recirc Indicator, Indicator Control-Stop/Start Indicator, Initiate P2BA9 SCR Refill Monitor, Injector Kill Test, Inlet Metering Valve, Inlet Valve FL, Inlet Valve FR, Inlet Valve Left Front, Inlet Valve Left Rear, Inlet Valve LF(Normally Open), Inlet Valve LR (Normally Open), Inlet Valve RF (Normally Open), Inlet Valve Right Front, Inlet Valve Right Rear, Inlet valve RL, Inlet Valve RR (Normally Open), Inlet valve RR, Input Test, Intake Air Throttle Actuator Test, Intake Air Throttle Actuator, 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 Output, Intake Throttle Duty Cycle, Inverter Enable Relay, Inverter Status Indicator, IOD RELAY ON LSD, I-P Illumination, IPC Self Test, IRCM Heater, IRCM Relay Unlock Control, ITOS - Cabin Temperature, KeySense, KIN ACC LED State, KIN Antenna Power, KIN LED Control, KIN OFF LED State, KIN RUN LED State, KIN Start/Stop LED State, KIN Start-Stop LED State, Knob Lock State, L/U And SEL On Off Solenoid, L/U Solenoid Current, Lamps Actuation-Left leveling actuator position, Lamps Actuation-Right leveling actuator position, Lane Departure Warning ON-OFF Indicator, LC Clutch Volume Index Check, LC Solenoid, LDP Solenoid, LDW Warning Indicator, Leak Detection Pump Forced Monitor Test, Leak Detection Pump, LED Control-LED 1 (Auto Control), LED Control-LED 2 (EBL), LED Control-LED 3 (Front defrost), LED Control-LED 4 (recirc), LED Control-LED 5 (A/C), Left Rear Tail/Park Lamp, 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 Floor Duct Sensor, Left Front Fog Lamps, Left Front Park Lamp, Left Front Turn Lamp, Left HID Lamp, Left High Beam Shutter, Left High Beam, Left Low Beam, Left Panel Duct Sensor, Left Park/Tail Lamp, Left Rear AUX Turn Lamp, Left Rear Fog Lamps, Left Rear Tail-Park Lamp, Left Rear Turn Lamp (BUX), Left Rear Turn Lamp, Left Rear Turn/Stop Lamp, Left Rear Turn-Stop Lamp, Left Reartail-Park Lamp, Left Reverse Lamp 2, Left Reverse Lamp State, Left Reverse Lamp, Left Side Markers, Left Signal Mirrors/Side Repeaters (BUX), Left Signal Mirrors-Side Repeaters (BUX), Left Signature Lamp, Left Solar Sensor Values, Left Temperature Door Position, Left Trailer Tow Turn/Stop Lamp, Left Trailer Tow Turn-Stop Lamp, Left Turn Signal Indicator, Left Vent Seat Linear PWM Request -Output, LF Antenna Verification Test, LF Turn Lamp/DRL, License Plate Lamp WK -Right Rear Rail Lamp WD, License Plate Lamp, Lift Pump Relay, Liftgate Release Motor, Lin Module Data, Linear Hall, Linear Solenoid A, Linear Solenoid B, Linear Solenoid C, Linear Solenoid D, Linear Solenoid E, Linear Solenoid F, Linear Solenoid G, Locate Learned Keys, LOCK 4WD, Low Fuel, LOW LED, 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 Temp Active Pump, Low Temp Passive Pump 1, Low Temp Passive Pump 2, Low Temp Passive Pump, Low-Reverse Solenoid, LR Clutch Volume Index Check, LR Solenoid, LR Stop/Turn Signal Lamp, LSU Heater 1, M LED State, Main Left Temperature Actuator Position, Main/Left Temp Selected, Main-Left Temp. Door Actuator Position, Main-Left Temperature Actuator Position, Malfunction Indicator Lamp, Master ePT Wake Up Output 1, Master Ept Wake Up Output, Memory Seat ECU Self Test, Metering Unit Actuator, Metering Unit, Mid-Range Audio Level Settings, Mid-Range Settings, MIL Lamp, Mirror Direction, Mirror Fold, Mirror Heat State, Mirror LED -Day-Night, Mirror LED Left State, Mirror LED -ON-OFF, Mirror LED Right State, Mirror Left LED State, Mirror Right LED State, Mirror Turn Signal Lamp State, Mode 2 Actuator Position (Defrost Panel Door), Mode Selection, Mode, Motor A Control, Motor B Control, Motorized

Thermistor-Cabin Temp, MS Solenoid, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, MUTE button, Mute Test, Mute, N LED State, Neutral Gate Test (62TE), Neutral Gate Test (Non-RFE), Neutral Gate Test (RFE), Neutral LED, Neutral, N-Lock Solenoid State, NOx Sensor Replacement, O2 1/1 Heater Duty-Cycle, O2 1/2 Heater Duty-Cycle, O2 Heater Test, O2 Sensor Heater Bank1 Sensor1, O2 Sensor Heater Bank1 Sensor2, O2 Sensor Heater Bank2 Sensor1, O2 Sensor Heater Bank2 Sensor2, OBCM Wakeup, OBD Button 1 Pad 1, OBD Button 1 Pad 2, OBD Button 2 Pad 1, OBD Button 2 Pad 2, OBD Button 3 Pad 1, OBD Button 3 Pad 2, OBD Button 4 Pad 1, OBD Button 4 Pad 2, OBD Button 5 Pad 1, OBD Button 5 Pad 2, OBD Button 6 Pad 1, OBD Button 6 Pad 2, OBD Button 7 Pad 1, OBD PPPA -Pad 1, OBD PPPA -Pad 2, OD Clutch Volume Index Check, Oil Pressure Bad, Oil Pressure Good, Oil Pressure Lamp, Oil Pressure LED 1, Oil Pressure LED 2, Oil Pressure LED 3, Oil Pressure LED 4, Oil Pressure LED 5, Oil Pressure LED 6, Oil Pressure LED 7, Oil Pressure LED 8, Oil Pressure LED 9, Oil Pressure LEDs, Optical Horn, Outlet Valve FL, Outlet valve FR, Outlet valve front left activation, Outlet valve front right activation, Outlet Valve Left Front, Outlet Valve Left Rear, Outlet Valve LF (Normally Closed), Outlet Valve LR (Normally Closed), Outlet valve rear left activation, Outlet valve rear right activation, Outlet Valve RF (Normally Closed), Outlet Valve Right Front, Outlet Valve Right Rear, Outlet valve RL, Outlet Valve RR (Normally Closed), Outlet valve RR, Over Drive Solenoid On Time, Over Drive Solenoid, Over-Drive Solenoid, Overdrive Switch Test (Non-RFE), OverDrive Switch Test (RFE), Overdrive Switch Test, 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, Oxygen System Heater Test, P LED State, Paddle Shifter, Park Pawl Actuator Control, Parking and Plate Lights, Parking Brake And Low Brake Fluid, Park-Tail Lamps, Parttime LED, Passenger Airbag (PAB) Status, Passenger Airbag LED, Passenger Cooled Seat, Passenger Heated Seat, Passenger Occupant Detection Sensor (ODS), Passenger Seat Belt, Passenger Temp Detents, Passenger Temp Down Button, Passenger Temp Rotary Direction, Passenger Temp Up Button, Pilot 1 (USV Front, MCI Front -Normally Open), Pilot 1 (USV LF-RR, MCI LF-RR -Normally Open), Pilot 2 (USV Rear, MCI Rear -Normally Open), Pilot 2 (USV RF-LR, MCI RF-LR -Normally Open), Pilot Front (USV - Normally Closed), PL Solenoid Current, Pneumatic Intercooler Bypass, Pneumatic Waste Gate, Police Passenger Un-Lock Motor, Position Lamp Telltale, Position Lamp, Position Lights, Power (OFF), Power Down, Power Mirror Feed Relay Control, Power On and Disable User Inputs, PPPA ON-OFF Indicator, PPPA, PPV1 Electro-Valve, PPV2 Electro-Valve, PPV-K2 Clutch Electro-Valve, PPVS Electro-Valve, Pressure Control Relief Valve (PCR - Normally Closed), Pressure Control Solenoid Valve, Pressure Regulator Valve, Pressure Value Correction Shut-Off, Pre-Supply Pump, Priming 1 (HSV Front, LPF Front -Normally Closed), Priming 1 (HSV LF-RR, LPF LF-RR -Normally Closed), Priming 2 (HSV Rear, LPF Rear -Normally Closed), Priming 2 (HSV RF-LR, LPF RF-LR -Normally Closed), Priming Front (HSV - Normally Closed), Priming Valve 1, Priming Valve 2, Proportional Purge Solenoid, Proportional Purge Solenoid., Proportional Surge Solenoid, PTC Cabin Heater 1 Actuation, PTC Cabin Heater 2 Actuation, PTC Cabin Heater 3 Actuation, PTC Heater Relay 1, PTC Heater Relay 2, PTC Heater Relay 3, PTO, PTS Button, PTS ON-OFF Indicator, PTS Switch Simulation, PTU Position, Pump Control, Pump, Purge Solenoid Duty Cycle, Purge Valve Duty-Cycle, Purge Vapors Test, PWM Fan Actuation Test, QPV K1 Clutch Electro-Valve, 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 Control State, Radiator Cooling Fan Relay 1,2,3 Control State, Radiator Cooling Fan Relay 2 Control State, Radiator Fan 1 Duty Cycle,



Radiator Fan 2 Duty Cycle, Radiator Fan Duty Cycle, Radiator Jalousie ShutterPosition, Radiator-Condenser Cooling Fan Relay 1 Control State, Radiator-Condenser Cooling Fan Relay 2 Control State, Radio Volume, Radio, Rail Pressure Sensor Replacement, Rail Pressure, 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, Ready, Rear Axle Lock, Rear Axle Locker Command, Rear Defrost Button, Rear Defrost Indicator, Rear Dome Dimming Light, Rear Fog Lamps, Rear Fog, Rear Heated Window, Rear Wash-Wipe, Rear Wiper, RECIRC button, RECIRC Indicator, Recirc, Recirc. Door Actuator Position, Recirculation Actuator, Recirculation Door Actuator Position, Recirculation LED, Recirculation pump activation, Recirculation Pump, Red Brake Lamp, RED Circuit, Red Hazard Button, Red Heated Seat and Steering Wheel Indicators, RED Heated Seat Indicators, Red Temperature Bar, Redundant Ignition RUN/START Feed Output Control, Redundant Ignition RUN-START Feed Output Control, Remote Start Antenna Test, Reset Automatic Windows, Reverse Gear Clutch Test (62TE), Reverse Gear Clutch Test (Non-RFE), Reverse Gear Clutch Test (RFE), Reverse Lockout Solenoid Control State, Reverse Lockout Solenoid, RF Turn Lamp/DRL, Right Air Catcher LED, Right Auxiliary High Beam, Right Backrest Heat Seat Linear PWM Request -Output, Right Cushion Heat Seat Linear PWM Request -Output, Right Day Light Lamp, Right Floor Duct Sensor, Right Front Fog Lamps, Right Front Park Lamp, Right Front Turn Lamp, Right HID Lamp, Right High Beam Shutter, Right High Beam, Right Low Beam, Right Panel Duct Sensor, Right Park/Tail Lamp, Right Rear Fog Lamps, Right Rear Park Lamp, Right Rear Tail/Park Lamp, Right Rear Tail-Park Lamp, Right Rear Turn Lamp (BUX), Right Rear Turn Lamp, Right Rear Turn/Stop Lamp, Right Rear Turn-Stop Lamp, Right Reartail-Park Lamp, Right Reverse Lamp #2, Right Reverse Lamp 2, Right Reverse Lamp State, Right Reverse Lamp, Right Side Markers, Right Signal Mirrors/Side Repeaters (BUX), Right Signal Mirrors-Side Repeaters (BUX), Right Signature Lamp, Right Solar Sensor Values, Right Temp Actuator Position, Right Temp. Door Actuator Position, Right Temperature Actuator Position, Right Temperature Selected, Right Trailer Tow Turn/Stop Lamp, Right Trailer Tow Turn-Stop Lamp, Right Turn Signal Indicator, Right Vent Seat Linear PWM Request -Output, Right Vent Seat Linear PWM Request, Roller Learning Shut-Off, Rotary 4 Detents, Rotary 4 Direction, RR Stop/Turn Signal Lamp, RT-LT Sidemarkers-RT-LT Applique Parklamps, Run Relay, Run/Acc Relay, Run/Start Relay, SCR Inlet Temp Sensor Replacement, SCR Relay Actuation Test, SCREEN OFF button, Screen Off, Screen Test Pattern, SDAR Station Selection, SDU/ Electro-Pump, Seat Belt Lamp, Seat Belt Light, Seat Belt, Second Row Center Seatbelt Switch, Second Row Left Seatbelt Switch, Second Row Right Seatbelt Switch, Secondary Air Pump, Secondary Air Solenoid, Secondary Solenoid Current, Secondary/Thatchum Lock Motor, Secondary/Thatchum Un-Lock Motor, Secondary-Thatchum Lock Motor, Secondary-Thatchum Un-Lock Motor, Seek Status Tuner AM-FM, Seek Status Tuner DAB, Seek Status, Sensor Rolls Test, Separation Valve (SV - Normally Open), SERV LED, Service Lamp, Set Engine RPM Test, Shift Lever Position Test (62TE), Shift Lever Position Test (Non-RFE), Shift Lever Position Test (RFE), Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid 3, Shift Solenoid 4, Shift Solenoid 5, Shift Solenoid 6, Shift Solenoid A, Shutoff Correction Quantity, Shutoff Injector Quantity, 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 ON-OFF Indicator, SRS Indicator Lamp Request, SRS Lamp, SRV Test, START STOP button, Start/Stop System, Starter Relay, Starter Solenoid (High), Starter Solenoid High, Starter Solenoid, Starter Status, Steering Wheel Linear PWM Request -Output, Stop - Start System Active Indicator, Stop / Start System Active Lamp, Stop Start Confirmation, Stop/Start Relay, Stop/Start System Active,

Stop-Start ON-OFF Indicator, Stop-Start System Active, Sun Shade Control, Surge Solenoid Control State, Surge Valve Solenoid, Sway Bar Indicator, Swing Gate Lock, Swing Gate Unlock, Swirl Valve actuator Test, Switch Illumination State, Switch On EPB Failure Lamp, Switch On EPB Function Lamp, System Wiring Test, 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, TCC Pressure Control Solenoid, TCM VIN Verification, Telltale ABS, Telltale Airbag, Telltale Brake, Telltale Charging, Telltale ESP, Telltale ETC, Telltale Fog Front, Telltale Glow Plug, Telltale High Beam, Telltale Low Fuel, Telltale MIL, Telltale Oil, Telltale Seat Belt, Telltale Tire Pressure Monitor, Telltale Transmission Temp, Telltale Turn Left, Telltale Turn Right, Telltale - EPS, Telltale - ESC Off, Telltale - ESC, Telltale - ESP Off, Telltale - Park Lamp, Telltale - Park, Telltale - Position Lamp, Telltale - Rear Fog, Telltale ESP/BAS, Telltale-Coolant, Telltale-Cruise Mode, Telltale-Tire Pressure Monitor, Telltale-Tire Pressure, Telltale-Tow Mode, Temperature Warning Lamp, Temporary Remote Start Disable, Thermal System Enable, Thermistor Test, Thermostat Drive Duty Cycle, Thermostat Heater, Third Row Center Seatbelt Switch, Third Row Left Seatbelt Switch, Third Row Right Seatbelt Switch, Throttle Test, Throttle Valve Actuator, Throttle Valve, Tilt Mirrors in Reverse, Timeout Time Flash To Pass, Timeout Time Paddle Shift Switches, Tire Pressure Monitoring, Tire Pressure, Tone Test, Topper Center Mounted Stop Lamp, TOPPER CHMSL, Torque Coupling Control, Tow-Haul Indicator, TOW-HAUL, TPM Sensor Rolls Test, 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, Transfer Case 4WD/Lock/Part Lamp, Transfer Case AWD/Auto/Full Lamp, Transfer Case Low Lamp Request, Transfer Case Neutral Lamp Request, Transmission Component Tests, Transmission Verification Test, Treble Level Settings, Treble Settings, Truck Bed Lighting Leds, Truck Cargo Lamps, Trunk Lamp, Trunk Release Relay, Trunk/Flipper Glass Release Motor, Trunk-Flipper Glass Release Motor, Tumble Generator Valve, Tuner Rotary Detents, Tuner Rotary Direction, Turbo/VGT Component Replacement, Turn Left, Turn Right, Turn Signal Lamp State, Turn Signal Lamp Status, Turn Signal, Twilight Sensor Value, UConnect Live Apps Installation, UD Clutch Volume Index Check, UD Solenoid, UGDO Power Supply, Underdrive Solenoid, Under-Drive Solenoid, Unlock 1/Driver Lock, Unlock 1-Driver Lock, Unlock 2/Passenger Locks, Unlock 2-Passenger Locks, Unlock Run -Start, Unlock RUN-START, 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 Cleaner Switch Backlight, Vacuum Pump Relay, Variable Displacement AC, Variable Speed Fuel Pump Test, Variable Swirl Actuator, Variable Swirl Valve Shutoff, Variable Valve Timing, VVT Control Valve, Vehicle Speed Output, Vehicle Sway Green, Vehicle Sway White, Vehicle Sway Yellow, Video Input Settings, Video Input, View Last Successful Remote Start Event Data, View Last VTA Trigger Cause Data, View Remote Start Abort Data, View Remote Start Inhibit Data, View Satellite Sensor Information, View VTA Enable Data, VLP Solenoid, Volume Rotary Detents, Volume Rotary Direction, VTA Indicator LED, VVA Cylinder #1, VVA Cylinder #2, VVA Cylinder #3, VVA Cylinder #4, VVA Solenoids Pre-Energization, VVL Service Test, VVT Exhaust Phaser 1 Actuator, VVT Exhaust Phaser 2 Actuator, VVT Intake Phaser 1 Actuator, VVT Intake Phaser 2 Actuator, VVT Tests, Wastegate Solenoid Control State, Wastegate Solenoid Duty Cycle, Water In Fuel Filter Lamp Command, Water In Fuel, Water Pump Charge Air Cooling, WHITE 1 Circuit, WHITE 2 Circuit, White Backlighting Buttons, White Backlighting Channel 1, White Backlighting Channel 2, White Backlighting Knob Buttons, White Backlighting Knob Indicators, White Knob Indicators, White Lower Halos, White Upper Halos, Window State, WK Head Rest Relay, Yellow A/C and Auto Indicators, Yellow Button Indicators, Yellow Lane Departure Warning Indicator, Yellow Rear Defrost Indicator, Yellow Recirc Indicator

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## New Ford/Lincoln Coverage

- Added coverage for 188 new system applications

### 38 new Adjustment type special tests:

Accelerometer Calibration, Active Torque Coupling Configuration, Anti-Lock Brake System (ABS) Calibration, Battery Monitor System Reset, Brake Master Cylinder Pressure Transducer Calibration, Brake System Pressure Bleeding, Clear Transmission Adaptive KAM Tables, Clear Transmission Adaptive Tables, Climate Control System Actuators Calibration, Do Not Use The Transmission Adaptive KAM Tables, Electronic Integrated Park Brake - Initialization, Electronic Integrated Park Brake - Service Tools, Electronic Parking Brake (EPB) Initialization, Engine Oil Life Reset, Factory Keyless Entry Code, Hydraulic Control Unit (HCU) Coil Solenoid Calibration, Initialize Adaptive KAM Tables, Interactive Vehicle Dynamics (IVD) Initialization Sequence, IVD Initialization Sequence, LIN New Module Initialization - BCM, LIN New Module Initialization, Misfire Monitor Neutral Profile Correction (Crank Relearn), Occupant Classification System Module (OCSM) Reset, PMI - ECU Read/Write (PSCM), PMI - Manual Configuration (PSCM), Power Window Initialization - Driver Side, Power Window Initialization - Passenger Side, Relearn Vehicle Data - AWD, Relearn Vehicle Data, Reset KAM, Reset The Body Control Module (BCM), Reset the Outside Air Temperature Sensor Learned Values, Reset the Power Steering Control Module (PSCM) Learned Values, Steering Wheel Position Sensor Calibration, Stop Trans-Adaptive Learning And Measure Slip Time, TPMS Sensor Training Mode, Transmission Characterization - 6R140, Transmission Characterization - 6R80/100 RWD

### 381 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, \* Button, 4WD-AWD Front Axle Disconnect - Clutch Commanded State, 4WD-AWD Front Axle Disconnect - High Level Strategy Commanded, 4WD-AWD Rear Differential Unit Actuator -A- Requested Torque, 4WD-AWD Transfer Case Actuator -A- Requested Torque, 4WD-AWD Transfer Case Motor Position Request, ABS Pump Motor Control, ABS Valve Power Supply, ABS Warning Lamp, A-C Distribution Valve A Output Ckt Commanded Energized, A-C Distribution Valve B Output Ckt Commanded Energized, A-C Recirculating Servo Position Status, 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, AHD (Auto Headlamp Dipped), Air Conditioning Clutch Engaged, Air Conditioning Compressor Command State, Air Conditioning Compressor Commanded State, Air Mode Actuator, Airbag Warning Indicator, All Door Unlock, All Injectors Disabled, All Warning Lamps, AM Button, Antilock Braking System Power Relay Output Status, Anti-Theft Horn Status, AUX (Auxiliary) Button, Auxiliary Blower Output, Auxiliary Transmission Fluid Pump Commanded, Backward Pedal Position Control, Battery Charging Voltage Desired, Battery Pack Coolant Ctrl Valve A - Output Ckt Energized, Battery Saver Relay Status, Blind Spot Detection System Telltale, Blower Motor Speed, Brake Light Activation, Brake Shift Interlock, Brake System Fault Indicator Lamp, 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, Center Tweeter Status, Central High Mounted Stop Lamp, 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 -A- is Commanded On, Coolant Pump -B- Control Speed -

Commanded, Courtesy Lamps, Courtesy Puddle Step Lamps, Cruise Control Lamp, CW Relay, DC To DC Converter Enable, Decklid-Liftglass Release Output Status, Delayed Accessory Power, Desired Engine Cooling Fan Speed, Desired Fuel Rail Pressure, Desired Generator Voltage, Desired Idle Speed (Rpm), Desired Line Pressure Control, Diesel Particulate Filter, Diesel Pre-Heater, Door Ajar Warning Indicator, Door Lock, Output, Driver Door Interior Lock-Unlock Latching Switch Status, Driver Heated Seat, Dynamic Stability Control (DSC) Off, ECO Mode, Eco Stop-Start, 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 Idle Shutdown Extended, Engine Oil Pressure Control Duty Cycle - Commanded, Engine Revolutions Per Minute, Engine Running Fuel Injector Control, Engine Running Fuel Pressure Test, Enter Button, EVAP Canister Vent Valve, EVAP Leak Test, EVAP Purge/Vent Control, EVAP Vapor Blocking Valve, Evaporative Emission Canister Purge Valve Duty Cycle, Evaporative Emission Canister Vent Valve, Fan control high speed, Fan control low speed, Fan Speed Desired, Firm Shift, FM Button, FM Radio Band, Forward Pedal Position Control, Four Wheel Drive Clutch Output, Front Motor Up, Front Blower Relay, Front Fog Lamp Indicator, Front Fog Lamps Request, Front Left - Front Right Traction Control Supply 1, Front Park Lamps Output, Front Washer Pump Relay, Front Window Down Output, Front Window Up Output, Front Wiper Hi/Lo Control, Front Wiper Relay, Frost Warning, Fuel Gauge Indicator Control On/Off, Fuel Gauge Indicator Control, Fuel Pump - Duty Cycle, Fuel Pump Relay, Fuel Pump, Fuel Rail Pressure Desired, Gear Command By Output State Control, General Warning Indicator 1 (Red), General Warning Indicator 2 (Amber), Generator 2 Voltage Desired, Generator Voltage Desired, Grill Shutter A Position - Commanded, Heater Control For HO2S 11 And HO2S 21, Heater Control For HO2S 12 And HO2S 22, HEV Ready Light, High Beam Indicator, High Beam, High Pressure Fuel System Test, High Speed Engine Cooling Fan Control, Hill Descent Control, Horizontal Motor Backward, Horizontal Motor Forward, Horn Relay, Hybrid-EV Traction Battery Thermal System Operational Levels, Hybrid-EV Wake Up - Commanded, Hydraulic Pump Motor, Illumination, Info (Information) Button, Interior Lights 1 (PWM) Output, Interior Lights 2 PWM Output, Key (Removal) Inhibit, Keypad Lamp Output Status, KOEO Injector Buzz Self Test, KOEO Self Test, KOER Self Test, Lamp Control, Lane Departure Warning Telltale, LCD Illumination Level, 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 Defrost Output, Left Front Dump, Left Front Fog Lamp, Left Front Inlet Valve State, Left Front Isolation Valve, Left Front Outlet Valve State, Left Front Speaker Status, Left Front Turn Signal Lamp Status, Left Front Tweeter Status, Left Front/Right Rear Traction Control Supply 1, Left Front/Right Rear Traction Control Valve 1, Left Front-Right Rear Traction Control Supply 1, Left Front-Right Rear Traction Control Valve 1, Left Headlamp High Beam, Left Headlamp Low Beam, Left Position Lights Duty Cycle, Left Rear Dump, Left Rear Inlet Valve State, Left Rear Isolation Valve, Left Rear Outlet Valve State, Left Rear Speaker Status, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Rear Tweeter Status, Left Side Bolster Bladder Inflate Status, Left Stop Lamp Duty Cycle, Left Turn Signal Lamp Status, License Plate Light, Liftgate Release Output Status, Liftgate-Decklid Release Output Status, LIGHTS ON WARNING., Line Pressure Control Desired, Line Pressure Control Measured In Current, Load Shed Output Control, Low Fuel Warning Indication, Low Pressure Fuel Leakdown Test, Low Speed Engine Cooling Fan Control, Low Washer Fluid Warning, Lower Lumbar Bladder Inflate Status, Lumbar Forward Motor Control, Maintenance Warning Lamp, Malfunction Indicator Lamp, Max Defrost, Menu Button, Mid-Lumbar Bladder Inflate Status, Mirror Fold Out Output, Motor Electronics Coolant Pump, Next-Last (>|) Button, Oil Pressure Low Indicator, Oil Pressure, On Demand Test, Output State Control Of Torque Converter, Over Drive (O-D) off, Park Brake Applied Lamp, Passenger Heated Seat, PCM WAKEUP LINE, Phone Button, Power Balance, Power

Button, Power Fold Mirror Activation Status, Power Point Output Relay, 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, Rear (Hvac) Mode Control Input, Rear Blower Control, Rear Defrost (Heated Backlight), Rear Defrost Relay Status, Rear Fog Lamp Indicator, Rear Left - Rear Right Traction Control Supply 2, Rear Locking Diff Output Duty Cycle (Optional), Rear Motor Down, Rear Motor Up, Rear Park Lamps Output, Rear Temperature Flap Position, Rear Washer Pump Relay, Rear Window Down Output, Rear Window Up Output, Rear Wiper Relay, 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 Cursor Down Arrow, Right Cursor Left Arrow, Right Cursor OK Button, Right Cursor Right Arrow, Right Cursor Up Arrow, Right Front Defrost Output, Right Front Dump, Right Front Fog Lamp, Right Front Inlet Valve State, Right Front Isolation Valve, Right Front Outlet Valve State, Right Front Speaker Status, Right Front Turn Signal Lamp Status, Right Front Tweeter Status, Right Front/Left Rear Traction Control Supply 2, Right Front/Left Rear Traction Control Valve 2, Right Front-Left Rear Traction Control Supply 2, Right Front-Left Rear Traction Control Valve 2, Right Headlamp High Beam, Right Headlamp Low Beam, Right Position Lights Duty Cycle, Right Rear Dump, Right Rear Inlet Valve State, Right Rear Isolation Valve, Right Rear Outlet Valve State, Right Rear Speaker Status, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Rear Tweeter Status, Right Side Bolster Bladder Inflate Status, Right Stop Lamp Duty Cycle, Right Turn Signal Lamp Status, Run-Accessory Output Control, Run-Start Output Control, Safety Belt Warning Lamp, Seat Bladder Pump Status, Seat Cushion Bladder Inflate Status 1, Seat Cushion Bladder Inflate Status 2, Seat Cushion Bladder Inflate Status 3, Seat Cushion Bladder Inflate Status 4, Seat Tilt Down Motor Control, Seek Left Button, Seek Right Button, Shift Solenoid A, Shift Solenoid F Commanded Current, Shift Solenoid Pressure Control A, Shift Solenoid Pressure Control B, Shift Solenoid Pressure Control C, Shift Solenoid Pressure Control D, Shift Solenoid Pressure Control E, Shock Setting Button, Side Light Lamp, Side Mirror Heating Output Control, Side Mirror Turn Signal Lamp Control, Sounder Output Request, Sounder Output, Spark Advance - Control State, Spark Advance, Speed Control (ASLD) Switch, Speed Control Actuator Switch Off, Speed Control Actuator Switch On, Speed Control Cancel Switch, Speed Control Cancel-Resume Switch, Speed Control Gap Switch, Speed Control On-Off Cancel Switch, Speed Control On-Off Switch, Speedometer %, Speedometer On/Off, Speedometer, Spotlight Mirror Output, Start Button Mode Indicator Control, Starter Motor Control Output Detected, Steering Column Tilt Up, Steering Effort Button, Stop-Start Telltale Amber, Stop-Start Telltale Red, Stop-Start, Subwoofer Status, Tachometer Gauge Indicator Control, Tachometer, Temperature Gauge On/Off, Temperature Gauge, Third Row Left Speaker Status, Third Row Power Fold Seat Output, Third Row Right Speaker Status, Throttle Position - Desired, Tire Pressure Telltale Status, Tone Button, Torque Converter Clutch Solenoid Commanded Current, Traction Assist Right Control Valve Status, Traction Control Indicator, Traction Control Off Indicator, Trailer Brake Output Circuit Duty Cycle - Measured, Trailer Tow Park-Tail Lamp Output, Transfer Case Shift Motor Pos Sense - Contact Plate Power Stat, Transmission System (Mil) Fault, Transmission Temperature Gauge Pointer Position, Trunk/Liftgate Release Output, Turbo Boost Gauge Pointer Placement Command, Turbocharger Bypass Valve 1, Turbocharger Wastegate, Upper Lumbar Bladder Inflate Status, Variable Camshaft Timing Exhaust Angle Desired, Variable Camshaft Timing Intake Desired Angle, Variable Geometry Turbocharger Commanded, Vehicle Mode, Viscous Fan Pulse Width Modulated Control - Commanded, Volume, Warning Lamp Status 1 - Charge Warning, Water In Fuel Indicator, Wiper Heater Output

## **New GM Coverage**

**1 new Adjustment type special tests:**

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Steering Wheel Angle Sensor Centering

## New Coverage Details – USA Asian

### New Honda/Acura Coverage

#### 27 new Adjustment type special tests:

After a Vehicle Collision, After Replacing Front Passenger Seat Components, Air Bleeding For Repair(ABS), Air Bleeding For Repair(ABS/VSA/TCS), Air Bleeding For Repair(TCS), ATF Reset, Brake Pad Maintenance Mode, Brake Pressure Sensor Calibration, Crank Pattern Clear, Crank Pattern Learning., Customize Reset, ECM/PCM Reset, Engine Oil Life Reset, ODS Unit Initialization, OPDS Initialization, Pop Up Hood(PUH) Calibration, Replace TCM/PCM, 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, Start Clutch Feedback Learn, Start Clutch Status Data Clear, Stroke Sensor Learning, SWS Initialization, TCU Setup, The Wheel Size Setup For Indirect TPMS

#### 190 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, Air Bypass Valve Control Solenoid (ABV), All Injectors OFF, Assistant Door Courtesy Light, Assistant Door Mirror Motor Left / Right, Assistant Door Mirror Motor Up / Down, Assistant Door Pocket Illumination Light, Assistant Outer Handle Illumination Light, Assistant Remote Switch Illumination Light, Assistants Inner Handle Illumination Light, Automatic Headlights, Backup Line - Headlights, Boost Pressure Test, BSI Buzzer Status, BSI Fail Lamp, BSI Indicator On, BSI System Fail, BSI System Status, BSI Unavailable, Cargo Light, Clean Left Side Radar, Clean Right Side Radar, 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, Column Telescopic Motor Pull Up / Push Down, Column Tilt Motor (Full Up / Full Down), Cruise Control Cancel History, CTM Buzzer Status, CTM System Fail, CTM System Status, Daytime Running Light, Driver Door Courtesy Light, Driver Door Mirror Motor Left / Right, Driver Door Mirror Motor Up Down, Driver Door Pocket Illumination Light, Driver Door Unlock, Driver Inner Handle Illumination Light, Driver Outer Handle Illumination Light, Driver Rear Door Courtesy Light, Driver Remote Switch Illumination Light, Drivers Window Control, 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, Fail Wipe Signal, 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, Front Defrost, Front Height Motor Up / Down, Front Washer Motor, Front Wiper Low Speed, Front Wiper Motor (High), Frontal Crash Detection Signal Output, Fuel Lid Opener, Fuel Pump OFF, Fuel Pump ON, Gate Light, Gear Shift, Glass Hatch Open Operation, Hazard Flashers, Head Light High, Head Light Low, Headlight Backup, Headrest Motor, Horn, IMT(IMRC) Activation, IMT(IMRC) Test, INH Solenoid For Start Clutch Type, Injector Kill Test, Intake VTC Test, Interior Light, Keyless Buzzer, Left And Right Parking Actuator Control, Left BSI Radar Unavailable, Left Front CAS Solenoid, Left Front Pulsar, Left Front Solenoid, Left Front TCS Solenoid, Left Front VSA Solenoid, Left Power Mirror - Full Right/Left, Left Power Mirror - Full Up/Down, Left Rear Power Window, Left Rear

Pulser, Left Rear Solenoid, Left Rear VSA Solenoid, Left Rear Window, Left Side Indicator, Left Sliding Door - Lock/Unlock, Left Turn Signal, Lock/Unlock All Doors, Lockup Clutch, MA EPS CONTROL ON/OFF, MA EPS Switching, Map Light Off, Memory Buzzer, Memory Seat Indicator 1, Memory Seat Indicator 2, Memory Switch Illumination Light, No Rain Condition Signal, No Wipe Signal, Occupied Signal Output, Parking Lights, Passenger Door Power Window, Passenger Rear Door Courtesy Light, PAX System Warning Reset, Power Window Relay, Pressure Test Assistance mode, Radiator Fan, Rain Condition Signal, Rain Sensor - Front Wipers - High, Rain Sensor - Front Wipers - Intermittent - Once, Rain Sensor - Front Wipers - Low, Rear Blower, Rear Defroster, Rear Height Motor, Rear Left Door Courtesy Light, Rear Left Inner Handle Illumination Light, Rear Right Door Courtesy Light, Rear Right Inner Handle Illumination Light, Rear Wiper Motor, Recline Motor, Right BSI Radar Unavailable, Right Front Pulser, Right Front Solenoid, Right Front TCS Solenoid, Right Front VSA Solenoid, Right Power Mirror - Full Right/Left, Right Power Mirror - Full Up/Down, Right Rear Power Window, Right Rear Pulser, Right Rear Solenoid, Right Rear VSA Solenoid, Right Rear Window, Right Side Indicator, Right Turn Signal, Security Indicator, Self Diag Test, Self-Diagnostic Function, 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, Slide Motor, Solenoid Valve Activation, Sub Throttle, Sunroof Open/Close, Tailgate, TC Bypass Valve, Throttle Actuator Control Test, Tilt Mirror, TP Position Check, Trunk Fuel Opener Switch Illumination Light, TSA Relay Test, Turbo Boost Control Solenoid V, Turn On Left Side Alert, Turn On Right Side Alert, Turn On Right Side Indicator, Unlock Trunk, VTEC Solenoid 1, VTEC Solenoid 2, VTEC Solenoid, VTEC Test, Warning light activation, Waste Gate Solenoid (WGS)

## New Hyundai/Genesis Coverage

### 25 new Adjustment type special tests:

Adaptive Value Backup Input (ECU Transfer Assy replacement at once), Adaptive Value BackUp Input (ECU replacement), Air Bleeding Mode, Auto Detected Configuration Reset, Brake Pad Change Mode, Longitudinal G Sensor Calibration(HAC/DBC Only), 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, Multiplicative Injection Time Correction for Group(B) All Cylin, Multiplicative Injection Time Correction for Group(B) Cylinder2, Multiplicative Injection Time Correction for Group(B) Cylinder3, Pedal Travel Sensor (PTS) Calibration, Pressure Sensor Calibration, Purge Solenoid Valve Opening Additive Correction, Reset of Injector Q-stat Adaptation, Resetting Adaptive Values, Resetting Auto Trans Adaptive Values, Seat Limit Position Setting, TPMS Reception Rate Measuring Mode, TPMS Test, WCT Reprogram, Write VIN

### 513 new Actuation type special tests:

12V Latch Relay OFF, 12V Latch Relay ON, 1st Gear Lamp, 2nd Gear Lamp, 3rd Gear Lamp, 3rd Row SBR Center Indicator(Optional), 3rd Row SBR Left Indicator(Optional), 3rd Row SBR Right Indicator(Optional), 4th Gear Lamp, 4th Row SBR Center Indicator(Optional), 4th Row SBR Left Indicator(Optional), 4th Row SBR Right Indicator(Optional), 5th Gear Lamp, 6th Gear Lamp, AAF Control - Close, AAF Control - Open, AAF Relay, Actuator Control - Apply, Actuator Control - Release, AEWP Control - PWM Type, After Blower USM Set Off, After Blower USM Set On, All Mood Lamp Blue LED Test, All Mood Lamp Green LED Test, All Mood Lamp Red LED Test, All Mood Lamp White LED Test, Assist BSD Indicator, Assist Door Courtesy Lamp Output, Assist Door Lock Indicator, 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 Side Window Auto Down, Assist Side Window Auto Up, Assist Side Window Down, Assist Side Window Up, Assistant Side Outside Handle Antenna Output (Power and GND), ATM Solenoid, Auto Cut Relay, Auto Defog Mode Door - Close, Auto Defog

Mode Door - Open, Auto Light Power, AV Tail, Back Up Lamp, BCM Buzzer Output (Internal/External), Bifunction Headlamp High LH Solenoid IPS Output, Bifunction Headlamp High RH Solenoid IPS Output, BSD Indicator, Burglar Horn Relay, Canister Purge Valve, Canister Shut Off Valve Toggling(OBD-2 Only), Canister Shut Off Valve(Leak Test), CDA Control Solenoid Valve - EX, B1, CDA Control Solenoid Valve - EX, B2, CDA Control Solenoid Valve - IN, B1, CDA Control Solenoid Valve - IN, B2, Central Door Lock Switch Indicator Output, Charge Inlet Lock Relay, Charge Inlet Unock Relay, Charging Status LED (Green) On, Charging Status LED (Yellow) On, 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 Mode Door - Floor, Console Mode Door - Vent, Console Off Door, Console On Door, Console Temperature Air Mix Door 0%, Console Temperature Air Mix Door 100%, Console Temperature Air Mix Door 50%, COOLANT VALVE - 3WAY (HTR) - Close, COOLANT VALVE - 3WAY (HTR) - Open, Cooler step 3 operation, Cornering Lamp LH Output, Cornering Lamp RH Output, Courtesy Lamp RL Output, Courtesy Lamp RR Output, CPP(Canister Puge Pump) Control, Cruise Control Main Lamp(Auto CruiseType Only), Cruise Control Set Lamp(Auto Cruise Type Only), CVVD Intake, CVVT Exhaust, CVVT Intake, D Target Position, Damper Clutch Solenoid (DCC), Dead Lock Relay, Dedicated DRL Left Output, Dedicated DRL Output (Option), Dedicated DRL Right Output, DEHUM VALVE - EXV (DEHUMI) Valve Close, DEHUM VALVE - EXV (DEHUMI) Valve Open, Differential Pressure Valve, Door Lock Indicator, Door Lock Relay, Door Unlock Relay, Drive Side Puddle Lamp, Driver Air Mix Door-0%, Driver Air Mix Door-100%, Driver Air Mix Door-50%, Driver Courtesy Lamp, Driver Door Courtesy Lamp Output, Driver Door Lock, Driver Door Unlock Relay (Option), Driver Door Unlock, Driver Heater Control, Driver Mode Door-DEF, Driver Mode Door-Floor, Driver Mode Door-Vent, Driver Seat Belt Indicator, Driver Seat Heat Mode to the High, Driver Seat Vent Mode to the High, Driver Side Outside Handle Antenna Output (Power and GND), Driver Side Repeater, DRV/AST Power Window Enable Output, DRVM (Driving Rear View Monitor), EGR Valve, ELCM Change Over Value(COV) Control, ELCM Pump Control, Electric Oil Pump (for HEV), Electronic Expansion Valve (Battery Chiller) - Close, Electronic Expansion Valve (Heat Pump) - Close, Electronic Expansion Valve (Recever Drier) - Close, EMS Wakeup Output, Engine Check Lamp(MIL), Engine Clutch Control Solenoid (for HEV), ETC Motor, Exterior Tail Lamp Front Left Output, Exterior Tail Lamp Front Right Output, Exterior Tail Lamp Left(Front and Rear) Output, Exterior Tail Lamp Rear Left Output, Exterior Tail Lamp Rear Right Output, Exterior Tail Lamp Right(Front and Rear) Output, External Buzzer Output, Fan Motor Control-High Speed, Fan Motor Control-Low Speed, FAN ON, Fan PWM, Fan1 1st, Fan1 2nd, Fan1 3rd, Fan1 4th, Fan1 5th, Fan1 6th, Fan1 7th, Fan1 8th, Fan1 9th, Fan1 Stop, 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 Lamp Left Output, Front Fog Lamp Output, Front Fog Lamp Right Output, Front Glass Heated Relay Output, Front Glass Heated Switch Indicator Output, Front Left Side Window Auto Down, Front Left Side Window Auto Up, Front Left Side Window Down, Front Left Side Window Up, Front Left Turn Signal Output, Front Right Side Window Auto Down, Front Right Side Window Auto Up, Front Right Side Window Down, Front Right Side Window Up, Front Right Turn Signal Output, Front Seat Heat Mode to the High, Front Seat Vent Mode to the High, Front Top-SVM View, Front Turn Signal Lamp Activation LH Output, Front Turn Signal Lamp Activation RH Output, Front Washer Motor Output, Front SVM View, Frunk Lamp Output, Fuel



Door Lock Solenoid Output (PHEV Only), Fuel Door Open Solenoid Output (PHEV Only), 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), Fuel Tank Isolation Valve Relay Open, Gasoline Lamp (Bi-Fuel), Gauge ON, Haptic Steering Wheel Motor Output, Hat Shelf Antenna Output (Power and GND), Hazard Indicator, Hazard Mode State for Turn Signal Lamp Sequential Mode, Head Lamp High Left Output, Head Lamp High Output, Head Lamp High Relay, Head Lamp High Right Output, Head Lamp Low Left Output, Head Lamp Low Output, Head Lamp Low Right Output, Head Lamp Washer Relay, Head Lamp Welcome Command, Heated Handle Indicator(Optional), Heated Handle Output(Optional), Heated Washer Nozzle Output, Heated Washer Nozzle Relay, Heater step 3 operation, High Mounted Stop Lamp Output, High Pressure Fuel Pump Control, High Pressure Fuel Pump Control2, HLL(Head Lamp Leveling) Max(High) Position, HLL(Head Lamp Leveling) Middle(Center) Position, HLL(Head Lamp Leveling) Min(Low) Position, HMI Mirror Alert Left LED Blinking, HMI Mirror Alert Left LED ON, HMI Mirror Alert Right LED Blinking, HMI Mirror Alert Right LED ON, HMI Switch LED, HV PTC OFF, HV PTC ON(Min.), Idle Speed Actuator, Ignition 3 Relay, Illumination, Immobilizer Lamp(Optional), Indicator ALL OFF, Indicator ALL ON, Indirect Vent door, 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-Front Right 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, 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 Mood Lamp Output (Option), ISG Lamp, ITM Valve, Key Hole Illumination (Manual Key Type), Key Interlock Solenoid(Manual Key Type), Lamp Control, 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 Lamp, Luggage Lamp, Main Relay (+) ON, Main Relay(-) ON, Main Relay(-), Precharge Relay, Simultaneously ON (Precharge se, Maintenance mode - EPB/MOC disengaging, Mirror Folding Operation (Option), Mirror Select Left indicator, Mirror Select Right indicator, Mirror Unfolding Operation (Option), Mood Lamp Output, Motor, Move Assist Outside Mirror To The Highest Position, Move Assist Outside Mirror To The Lowest Position, Move Assist Outside Mirror To The Most Left Position, Move Assist Outside Mirror To The Most Right Position, Move DRIVE OUTSIDE MIRROR to the highest position, Move DRIVE OUTSIDE MIRROR to the lowest position, Move DRIVE OUTSIDE MIRROR to the most left position, Move DRIVE OUTSIDE MIRROR to the most right position, Move P-Seat to the Foremost Position (Cushion Extension), Move P-Seat to the Foremost Position (Head Rest Slide), Move P-Seat to the Foremost Position (Recline), Move P-Seat to the Foremost Position (Shoulder), Move P-Seat To The Foremost Position (Slide), Move P-Seat to the Highest Position (FR Height), Move P-Seat to the Highest Position (Headrest), Move P-Seat to the Highest Position (RR Height), Move P-Seat to the Last Position (Cushion Extension), Move P-Seat to the Last Position (HeadRest Slide), Move P-Seat to the Last Position (Recline), Move P-Seat to the Last Position (Shoulder), Move P-Seat To The Last Position (Slide), Move P-Seat to the Lowest Position (FR Height), Move P-Seat to the Lowest Position (Headrest), Move P-Seat to the Lowest Position (RR Height), Move Steering Column At The Longest Position (Tele), Move Steering Column To The Lowest Position (Tilt), N Target Position, 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, Openbed Box Lamp Output, Openbed Cargo Lamp Output, Openbed Lamp Switch Indicator Output, Operate Assist Side Fold, Operate Assist Side Unfold, Operate DRIVE SIDE FOLD, Operate DRIVE SIDE UNFOLD, Operate DRIVE SIDE WINDOW AUTO DOWN, Operate DRIVE SIDE WINDOW AUTO

UP, Operate DRIVE SIDE WINDOW DOWN, Operate DRIVE SIDE WINDOW UP, 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), P Target Position, Parasitic Current Auto-Block IPS, 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, Passenger Seat Heat Mode to the High, Passenger Seat Vent Mode to the High, Perform Erase All Video File, Perform Event Recording, Pocket Light Output (Option), 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 Supply to the IGN1-IGN2 Relay of Main MCU, Power Supply to the IGN1-STARTER Relay of Main MCU, Power Window Relay, Precharge Relay ON, Precharge Relay ON, Main Relay (-), (+) ON (Normal sequence), Pressure Control Solenoid (LP), Pressure Control Solenoid Valve(VFS) 'A', PSB Retraction Test for Equipment RH, Puddle Pocket Lamp Output, R Target Position, Read VIN, Rear Air Flow Door - 0%, Rear Air Flow Door - 100%, Rear Air Flow Door - 50%, Rear Air Mix Door-0%, Rear Air Mix Door-100%, Rear Air Mix Door-50%, Rear Air Mix(A) Door-0%, Rear Air Mix(A) Door-100%, Rear Air Mix(A) Door-50%, 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 Hall Sensor Power 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 Fog Lamp (Option), Rear Fog Lamp Left Output, Rear Fog Lamp Right Output, Rear illumination, Rear Left Door Lock Indicator Output, Rear Left Power Window Down (Option), Rear Left Power Window Up (Option), Rear Left Side Courtesy Lamp, Rear Left Side Door Curtain Down (Only Windows Close Status), Rear Left Side Door Curtain Up (Only Windows Close Status), Rear Left Side Window Auto Down (Option:Curtain Bottom Status), Rear Left Side Window Auto Up (Option:Curtain Bottom Status), Rear Left Side Window Down (Option:Curtain Bottom Status), Rear Left Side Window Up (Option:Curtain Bottom Status), Rear Left Turn Signal Output, Rear LH Seat Heat Mode to the High, Rear LH Seat Vent Mode to the High, Rear mode door - B-L, Rear mode door - Floor, Rear mode door - Vent, Rear Mood Lamp (Both Left and Right), Rear Passenger B-PILLAR Door - 0%, Rear Passenger B-PILLAR Door - 100%, Rear Pocket Lamp (Both Left and Right), Rear Power Window Enable Output (Option), Rear RH Seat Heat Mode to the High, Rear RH Seat Vent Mode to the High, Rear Right Door Lock Indicator Output, Rear Right Power Window Down (Option), Rear Right Power Window Up (Option), Rear Right Side Courtesy Lamp, Rear Right Side Door Curtain Down (Only Windows Close Status), Rear Right Side Door Curtain Up (Only Windows Close Status), Rear Right Side Window Auto Down (Option:Curtain Bottom Status), Rear Right Side Window Auto Up (Option:Curtain Bottom Status), Rear Right Side Window Down (Option:Curtain Bottom Status), Rear Right Side Window Up (Option:Curtain Bottom Status), Rear Right Turn Signal Output, Rear SBR Symbol Indicator Output(Optional), Rear Seat Belt Center Indicator (Option), Rear Seat Belt Left Indicator (Option), Rear Seat Belt Right Indicator (Option), Rear Seat Heat Mode to the High, Rear Seat Vent Mode to the High, Rear Top-SVM View, Rear View Switch Indicator Output, Rear Washer Motor Output, Rear Wiper Relay (Option), Rear Wiper Relay, Rear-SVM View, RL Door Lock Relay, RL Door Unlock Relay, Room Lamp Output, Safety Power Window Sunroof Enable, Security LED, Selection Injector Group(A) of Engine Idle state for Dual Injec, Shift Control Solenoid Valve A(UD/C), Shift Control Solenoid Valve A(UD-B), Shift Control Solenoid Valve B(2-6-B), Shift Control Solenoid Valve C(35R-C), Shift Control Solenoid Valve D(OD-C), Shift Control Solenoid Valve E(SS-A), ShortTermLoad Cut Relay/IPS Output, Solenoid Thermal Expansion Valve -Close,

SSB illumination Output (Power and GND), Start Inhibit Relay (Option), Start Inhibit Relay, Static Bending LH Output (Option), Static Bending RH Output (Option), Steering Warmer Output, Steering Warmer Switch Indicator Output, Stop Lamp Left, Stop Lamp Left/Right/HMSL Output (Option), Stop Lamp Right, Storage Bos Lid Release Relay Output, Sunroof Enable Output, SVM + DRVM(Driving Rear View Monitor), SVM + FrontLeft + FrontRight View, SVM + RearLeft + RearRight View, System Identification, Tail Lamp Relay, Tailgate/Trunk Release Relay, Turbo dump(ReCirculation) Valve (RCV), Turbo waste gate(WGT) valve, Turn LH Output, Turn RH Output, 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 Output, Variable Exhaust Flap, Variable Intake Manifold 1 (Option), Variable Oil Pump Solenoid, VESS Sound Play (5 Sec), VESS Sound Play (Until Stop Command), VVL Control Solenoid Valve - EX, B1, VVL Control Solenoid Valve - EX, B2, VVL Control Solenoid Valve - IN, B1, VVL Control Solenoid Valve - IN, B2, Warm Bypass door, Window Lock Indicator, Window Lock to Driver Door Module, 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]

## New Kia Coverage

### 9 new Adjustment type special tests:

12V Battery SOC Calibration, Auto Detected Configuration (ESC Only), ESC Variant Coding, iMEB Actuator Initialization, Longitudinal G Sensor Calibration(HAC/DBC Only), Seat Limit Position Setting, TPMS Reception Rate Measuring Mode, TPMS Test, WCT Reprogram

### 491 new Actuation type special tests:

12V Latch Relay OFF, 12V Latch Relay ON, 3D View, 3rd Row SBR Center Indicator(Option), 3rd Row SBR Left Indicator(Option), 3rd Row SBR Right Indicator(Option), 4th Row SBR Center Indicator(Option), 4th Row SBR Left Indicator(Option), 4th Row SBR Right Indicator(Option), AAF Forced Operation - Auto, AAF Forced Operation - Close, AAF Forced Operation - Open, After Blower USM Set Off, After Blower USM Set On, 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, Assist BSD Indicator, Assist Door Courtesy Lamp Output, Assist Door Lock Indicator, 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 Side Window Auto Down, Assist Side Window Auto Up, Assist Side Window Down, Assist Side Window Up, Assistant Side Outside Handle Antenna Output (Power and GND), ATM Solenoid, Auto Cut Relay, Auto Defog Mode Door - Close, Auto Defog Mode Door - Open, Auto Light Power, AV Tail, AVM + FrontLeft + FrontRight View, AVM + RearLeft + RearRight View, Back Up Lamp Output, Back Up Lamp, Battery Coolant Valve Operation Mode1 (Combined Mode) ON, Battery Coolant Valve Operation Mode1 (Seperated Mode) ON, Battery EWP Operation Mode for Degassing and Circulation, Battery Warning Lamp, BCM Buzzer Output (Internal/External), Bifunction Headlamp High LH Solenoid IPS Output, Bifunction Headlamp High RH Solenoid IPS Output, BSD Indicator, Burglar Horn Relay, Canister Purge Valve, Canister Shut Off Valve Clocked(OBD-2 Only), Canister Shut Off Valve(OBD-2 Only), Central Door Lock Switch Indicator Output, Central Door Lock Switch Output, Central Door Unlock Relay Output, Charge Inlet Lock Relay, Charge Inlet Unock Relay, Charging Status LED (Green) On, Charging Status LED (Yellow) On, 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, Compressor Off, Compressor On, Console Mode Door - Floor, Console Mode Door - Vent, Console Off Door, Console On Door, Console Temperature Air Mix Door 0%, Console Temperature Air Mix Door 100%, Console Temperature Air Mix Door 50%, COOLANT VALVE -

3WAY (HTR) - Close, COOLANT VALVE - 3WAY (HTR) - Open, Cooler step 3 operation, Cooling Fan PWM, Cornering Lamp LH Output, Cornering Lamp RH Output, Courtesy Lamp RL Output, Courtesy Lamp RR Output, Cruise Control Main Lamp(Optional), Cruise Control SET Lamp(Optional), Dead Lock Relay, Dedicated DRL Left Output, Dedicated DRL Output (Option), Dedicated DRL Right Output, DEHUM VALVE - EXV (DEHUMI) Valve Close, DEHUM VALVE - EXV (DEHUMI) Valve Open, Disconnecter Disengage, Disconnecter Engage, Door Lock Indicator, Door Lock Relay, Door Unlock Relay, Drive Side Puddle Lamp, Driver Air Mix Door-0%, Driver Air Mix Door-100%, Driver Air Mix Door-50%, Driver Courtesy Lamp, Driver Door Courtesy Lamp Output, Driver Door Lock, Driver Door Unlock Relay (Option), Driver Door Unlock, Driver Heater Control, Driver Mode Door-DEF, Driver Mode Door-Floor, Driver Mode Door-Vent, Driver Power Window Switch Autol Up Output, Driver Seat Belt Indicator, Driver Seat Heat Mode to the High, Driver Seat Vent Mode to the High, Driver Side Outside Handle Antenna Output (Power and GND), Driver Side Repeater, DRV/AST Power Window Enable Output, Electric Shuttle Valve-Left Front, Electric Shuttle Valve-Right Front, Electrically Controlled Water Pump (Option), Electronic Expansion Valve (Battery Chiller) - Close, Electronic Expansion Valve (Battery Chiller) - Open, Electronic Expansion Valve (Heat Pump) - Close, Electronic Expansion Valve (Heat Pump) - Open, Electronic Expansion Valve (Receiver Drier) - Close, Electronic Expansion Valve (Receiver Drier) - Open, Electronic Waste Gate Valve (Turbo Only), EMS Wakeup Output, Engine Check Lamp(MIL), EPB Apply RH and LH, EPB Release RH and LH, ESS Lamp, ETC Motor, EVP, EWP Max RPM Operation, Exhaust Gas Recirculation Valve, Exterior Tail Lamp Front Left Output, Exterior Tail Lamp Front Right Output, Exterior Tail Lamp Left(Front and Rear) Output, Exterior Tail Lamp Rear Left Output, Exterior Tail Lamp Rear Right Output, Exterior Tail Lamp Right(Front and Rear) Output, External Buzzer Output, Fan Motor Control-High Speed, Fan Motor Control-Low Speed, FAN ON, Fan1 1st, Fan1 2nd, Fan1 3rd, Fan1 4th, Fan1 5th, Fan1 6th, Fan1 7th, Fan1 8th, Fan1 9th, Fan1 Stop, Flasher Sound Relay(Optional), Foot Lamp Output(Optional), Front Air Flow Door - 0%, Front Air Flow Door - 100%, Front Air Flow Door - 50%, Front BLDC Blower Motor 0RPM, Front BLDC Blower Motor 1000RPM, Front BLDC Blower Motor 2000RPM, Front BLDC Blower Motor 2500RPM, Front BLDC Blower Motor 500RPM, Front BLDC Blower Motor MAX RPM, 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 Lamp Left Output, Front Fog Lamp Output, Front Fog Lamp Right Output, Front Glass Heated Relay Output, Front Glass Heated Switch Indicator Output, Front Left Side Window Auto Down, Front Left Side Window Auto Up, Front Left Side Window Down, Front Left Side Window Up, Front Left Turn Signal Output, Front Right Side Window Auto Down, Front Right Side Window Auto Up, Front Right Side Window Down, Front Right Side Window Up, Front Right Turn Signal Output, Front Seat Heat Mode to the High, Front Seat Vent Mode to the High, Front Top-AVM View, Front Turn Signal Lamp Activation LH Output, Front Turn Signal Lamp Activation RH Output, Front Washer Motor Output, Front-Full View, Front-SVM View, Frunk Lamp Output, Fuel Door Lock Solenoid Output (PHEV Only), Fuel Door Open Solenoid Output (PHEV Only), Fuel Pressure Indicator Lamp(LPI), Fuel Pressure Regulator (GDI Only), Fuel Pump Control, Fuel Pump Relay, Gauge ON, HAC Brake Lamp Actuator, Handle Fold - Left Side, Handle Fold - Right Side, Haptic Steering Wheel Motor Output, Hat Shelf Antenna Output (Power and GND), Hazard Indicator, Hazard Mode State for Turn Signal Lamp Sequential Mode, Head Lamp High Left Output, Head Lamp High Output, Head Lamp High Relay, Head Lamp High Right Output, Head Lamp Low Left Output, Head Lamp Low Output, Head Lamp Low Right Output, Head Lamp Washer Relay, Head Lamp Welcome Command, Heated Handle Indicator(Optional), Heated Handle Output(Optional), Heated Washer Nozzle Output, Heated Washer Nozzle Relay, Heater step 3 operation, High Mounted Stop Lamp Output, HV PTC OFF,

HV PTC ON(Min.), Ignition 3 Relay, Illumination, iMEB Valve Control-Line Split Valve, iMEB Valve Control-MCV(#2), iMEB Valve Control-MCV(#5), iMEB Valve Control-MCV(#6), iMEB Valve Control-Pedal Simulator Valve, iMEB Valve Control-Release Control Valve, iMEB Valve Control-Wheel Split Valve, Immobilizer Lamp(Option), Indicator ALL OFF, Indicator ALL ON, Indirect Vent door, Inlet Valve-Left Front, Inlet Valve-Left Rear, Inlet Valve-Right Front, Inlet Valve-Right Rear, 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 Mood Lamp Output (Option), ITM Valve, Key Hole Illumination (Manual Key Type), Key Interlock Solenoid(Manual Key Type), Lamp Control - EPB Status Lamp, Lamp Control - EPB Warning Lamp, Lamp Control, LampLoad AutoCut IPS Output, LongTermLoad Cut Relay Output, Luggage Lamp, Main Relay (+) ON, Main Relay(-) ON, Main Relay(-), Precharge Relay, Simultaneously ON (Precharge se, Main Relay, Mirror Folding Operation (Option), Mirror Select Left indicator, Mirror Select Right indicator, Mirror Unfolding Operation (Option), Mood Lamp Output, Motor, Move Assist Outside Mirror To The Highest Position, Move Assist Outside Mirror To The Lowest Position, Move Assist Outside Mirror To The Most Left Position, Move Assist Outside Mirror To The Most Right Position, Move DRIVE OUTSIDE MIRROR to the highest position, Move DRIVE OUTSIDE MIRROR to the lowest position, Move DRIVE OUTSIDE MIRROR to the most left position, Move DRIVE OUTSIDE MIRROR to the most right position, Move P/Seat to the Foremost Position (Height), Move P/Seat to the Foremost Position (Slide), Move P/Seat to the Lowest Position (FR Height), Move P-Seat to the Foremost Position (Cushion Extension), Move P-Seat to the Foremost Position (Head Rest Slide), Move P-Seat to the Foremost Position (Recline), Move P-Seat to the Foremost Position (Shoulder), Move P-Seat To The Foremost Position (Slide), Move P-Seat to the Highest Position (FR Height), Move P-Seat to the Highest Position (Headrest), Move P-Seat to the Highest Position (RR Height), Move P-Seat to the Last Position (Cushion Extension), Move P-Seat to the Last Position (HeadRest Slide), Move P-Seat to the Last Position (Recline), Move P-Seat to the Last Position (Shoulder), Move P-Seat To The Last Position (Slide), Move P-Seat to the Lowest Position (FR Height), Move P-Seat to the Lowest Position (Headrest), Move P-Seat to the Lowest Position (RR Height), Move Steering Column At The Longest Position (Tele), Move Steering Column To The Lowest Position (Tilt), Navi Wakeup Signal Output, O2 Heater Front (B1/S1), OBC Wake up Output, Oil Change Warning Lamp, Oil Pressure Warning Lamp, On/Off Solenoid A (SS-A), Openbed Box Lamp Output, Openbed Cargo Lamp Output, Openbed Lamp Switch Indicator Output, Operate Assist Side Fold, Operate Assist Side Unfold, Operate DRIVE SIDE FOLD, Operate DRIVE SIDE UNFOLD, Operate DRIVE SIDE WINDOW AUTO DOWN, Operate DRIVE SIDE WINDOW AUTO UP, Operate DRIVE SIDE WINDOW DOWN, Operate DRIVE SIDE WINDOW UP, Outlet Valve-Left Front, Outlet Valve-Left Rear, Outlet Valve-Right Front, Outlet Valve-Right Rear, Parasitic Current Auto-Block IPS, 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, Passenger Seat Heat Mode to the High, Passenger Seat Vent Mode to the High, Pocket Light Output (Option), 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, Precharge Relay ON, Precharge Relay ON, Main Relay (-), (+) ON (Normal sequence), Pressure Control Solenoid (LP), Puddle Pocket Lamp Output, Quick Charge Relay (+),(-), Main Relay (-), (+) ON (Normal Char, Quick Charger Relay(-) ON, Quick Charger Relay(-)(+) ON simultaneous, Quick Charger Relay(+) ON, Radiator Fan Forced Operation, Radiator shutter 1 - Auto test, Radiator shutter 1 - Close test, Radiator shutter 1 - Open test, Read VIN, Rear Air Flow Door - 0%, Rear Air Flow Door - 100%, Rear Air Flow Door - 50%, Rear Air Mix Door-0%, Rear Air Mix Door-100%, Rear Air Mix Door-50%, Rear Air Mix(A) Door-0%, Rear Air Mix(A) Door-100%, Rear Air Mix(A) Door-50%, 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 Hall Sensor Power 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 Fog Lamp (Option), Rear Fog Lamp Left Output, Rear Fog Lamp Right Output, Rear illumination, Rear Left Door Lock Indicator Output, Rear Left Power Window Down (Option), Rear Left Power Window Up (Option), Rear Left Side Courtesy Lamp, Rear Left Side Door Curtain Down (Only Windows Close Status), Rear Left Side Door Curtain Up (Only Windows Close Status), Rear Left Side Window Auto Down (Option:Curtain Bottom Status), Rear Left Side Window Auto Up (Option:Curtain Bottom Status), Rear Left Side Window Down (Option:Curtain Bottom Status), Rear Left Side Window Up (Option:Curtain Bottom Status), Rear Left Turn Signal Output, Rear LH Seat Heat Mode to the High, Rear LH Seat Vent Mode to the High, Rear mode door - B-L, Rear mode door - Floor, Rear mode door - Vent, Rear Mood Lamp (Both Left and Right), Rear Passenger B-PILLAR Door - 0%, Rear Passenger B-PILLAR Door - 100%, Rear Pocket Lamp (Both Left and Right), Rear Power Window Enable Output (Option), Rear RH Seat Heat Mode to the High, Rear RH Seat Vent Mode to the High, Rear Right Door Lock Indicator Output, Rear Right Power Window Down (Option), Rear Right Power Window Up (Option), Rear Right Side Courtesy Lamp, Rear Right Side Door Curtain Down (Only Windows Close Status), Rear Right Side Door Curtain Up (Only Windows Close Status), Rear Right Side Window Auto Down (Option:Curtain Bottom Status), Rear Right Side Window Auto Up (Option:Curtain Bottom Status), Rear Right Side Window Down (Option:Curtain Bottom Status), Rear Right Side Window Up (Option:Curtain Bottom Status), Rear Right Turn Signal Output, Rear SBR Symbol Indicator Output(Option), Rear Seat Belt Center Indicator (Option), Rear Seat Belt Left Indicator (Option), Rear Seat Belt Right Indicator (Option), Rear Seat Heat Mode to the High, Rear Seat Vent Mode to the High, Rear Temp Cool Door - 0%, Rear Temp Cool Door - 100%, Rear Temp Cool Door - 50%, Rear Temp Warm Door - 0%, Rear Temp Warm Door - 100%, Rear Temp Warm Door - 50%, Rear Top-AVM View, Rear View Switch Indicator Output, Rear Washer Motor Output, Rear Wiper Relay (Option), Rear Wiper Relay, Rear-SVM View, RL Door Lock Relay, RL Door Unlock Relay, Room Lamp Output, Safety Power Window Sunroof Enable, Security Indicator (Option), Security LED, Shift Control Solenoid Valve (28/B), Shift Control Solenoid Valve (37R/C), Shift Control Solenoid Valve (46/C), Shift Control Solenoid Valve (UD/C), ShortTermLoad Cut Relay/IPS Output, Solenoid Thermal Expansion Valve - Close, Solenoid Thermal Expansion Valve - Open, SSB illumination Output (Power and GND), Start Inhibit Relay (Option), Start Inhibit Relay, Static Bending LH Output (Option), Static Bending RH Output (Option), Steering Warmer Output, Steering Warmer Switch Indicator Output, Stop Lamp Left, Stop Lamp Left/Right/HMSL Output (Option), Stop Lamp Right, Storage Bos Lid Release Relay Output, Sunroof Enable Output, System Identification, Tail Lamp Relay, Tailgate/Trunk Release Relay, TCI Bypass Valve(Turbo Only), TCS Valve-Left Front, TCS Valve-Right Front, Torque Converter Clutch Solenoid Valve, Turn LH Output, Turn RH Output, 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 Output, Variable Force Solinoid Valve - Exhaust Bank1 test, Variable Force Solinoid Valve - Intake Bank1 test, Variable Intake Solenoid(Option), VESS Sound Play (5 Sec), VESS Sound Play (Until Stop Command), Warm Bypass door, Window Lock Indicator, Window Lock to Driver Door Module, 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]

## New Mitsubishi Coverage

**69 new Adjustment type special tests:**

A/C Relay, A-C Compressor Relay O, A-C Switch, A-T Lock Up Open Request, BSW Buzzer, BSW Indicator, BSW ON-OFF Setting, Chassis No VIN Information, Chassis No./VIN Writing, Coding Information Copy, Condenser Fan, Cooling Fan O, Display Output, Dynamic Brake Buzzer, Engine Running Injector Kill Test, Engine Switch(LED ON), Engine TCL Drive, EPB Switch Indicator, EPB Warning Light, ESS Test Mode, EVAP Emission Purge SOL Valve, EVAP Emission Ventilation SOL, EVAP Function Test, Evaporative Emission Purge Solenoid O, Evaporative Emission Ventilation Solenoid O, FL Wheel ABS Drive, FL Wheel TCL Drive, FR Wheel ABS Drive, FR Wheel TCL Drive, Fuel Gauge, Fuel Pump O, Fuel Pump, Full Release Control, Idle Up Request, Ignition Timing 5 BTDC, Injector Stop, LDW Indicator: Standby Request, LDW Indicator: System Fail Req., LDW Indicator: TEMP. Fail Req., LDW Indicator: Warning Request, Leveling Actuator, Meter Illumination, Meter Indication (BSW Status), Meter Indication (RCTA Warning), Mirror Indicator, Mode Selection Damper, Oil Feeder Control Valve O, Out-Inside Air Selection Damper, Parking Brake Light, Passenger S Airbag OFF Indicator Lighting Request, Passenger S Airbag ON Indicator Lighting Request, PTC Heater, PWM Radiator Fan, Radiator Fan High, Radiator Fan Low, RCTA Buzzer, Rear Defogger Switch, Rear Fan Step (Input Value), RL Wheel ABS Drive, RL Wheel TCL Drive, RR Wheel ABS Drive, RR Wheel TCL Drive, Speedometer, SRS Warning Light Lighting Request, Stoplight:ON, Tachometer, TSR Display Request, VVT Oil Control Valve, Wastegate Solenoid Valve

### 13 new Actuation type special tests:

Calibration value reset, Control valve learning mode, CVT Oil Degradation Level, ECU Information, Emission Gas Mode, In-use performance tracking, Learned Value Reset, Learning, Service Reminder, Test, Timing chain maintenance, Transport Mode Setting, Turn Signal sound customization

## New Nissan Coverage

### 215 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 Bleeding, 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 Lock/Unlock Setting, Automatic Door Locking, AUTOMATIC DOOR UNLOCK SELECT, Automatic Lock Setting, 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, 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 Motor Starting Position Reset, Door Open Detection Acoustic Alarm, Door unlocking Driver door/all doors, Door Unlocking Triggering Delay,

DPF Regeneration, 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 Oil Pump Air Bleeding, 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, top view, Fine adjustment of PAS camera, top view, 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, Gas Sensor Adjustment, GPF Service Regeneration Reset Routine Execution, Head Light Timer, High Pressure Fuel Circuit Fault Finding, High Pressure Fuel Pump Total Starts Counter Clear, Horn With Keyless Lock, ID Read, ID Registration, Idle Air Volume Learn, Ignition Battery Saver Set, Ignition Timing (ADV), 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 Requir.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, 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 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, Save/Write VIN Data, 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 Initial Calibration, 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, 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, Upshifts, 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(MANUAL INPUT), Write VIN, Zero Point Calibration

## 742 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, 4WD AT Flow, 5TH BOW SYSTEM, A/C Compressor Relay Control, A/C Compressor, A/C Indicator, A/F Sensor Heater, AAC/V Output Duty, AAC/V Output Step, ABS Motor, AC Compressor Relay, AC Compressor, A-C INDICATOR, ACC Indicator Lamp, ACC Indicator, Accelerator Pedal Actuator Test 1, Accelerator Pedal Actuator Test 2, Accy/RAP Relay, Activate Demo Mode Of Exterior Lamp, Activate the Starter Cut Relay, Active Grille Air Shutter, Active Grille Shutter, Active Pedal, ADAS Buzzer 2, ADAS BUZZER, 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 Relay, Air Pump, Air/Liquid Pump Of Camera, ALC Disp, ALC Level, ALL INDICATORS DRIVE, All LCD Segments, All Light, ALL SEG, All Shock Absorber, Alternator Duty Cycle, Alternator Duty, Alternator Voltage, Ambient Light 1, Ambient Light 2, Ambient Light 3, Ambient Light 4, Ambient Light 5, Ambient Light 6, Ambient Light 7, Ambient Light 8, ANC Test Tone, Answer Back With I-Key Unlock, Antenna Self-Test, Anti Key Lock In Function, ARC Disp 2, ARC Disp, ARC operation indication, AS Seat Lamp Test, Assist Seat Lamp Test, ATC 1 Disp, ATC 2 Disp, ATC 3 Disp, ATC 4 Disp, ATC 5 Disp, Auto ACC 1, AUTO ACC 2, Auto retractable door mirror, Auto Stop Start, Automatic Back Door, Automatic Brake Hold Lamp Active, Automatic Brake Hold SW Lamp Active, Back Door open Test, Battery Saver, BCI Warning Indicator, Boost Pressure, Booster Solenoid, Boot/Trunk Open, 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 Actuator, Brake Hold Disp, Brake Hold Display, Brake Operation, Brake Release, Brake SW, Brake Switch, BSI Indicator On, BSI ON Indicator, BSI Warning Indicator, BSW Indicator LH, BSW Indicator RH, BSW On Indicator, BSW Warning Lamp, BSW/BSI INDICATOR DRIVE, BSW/BSI WARNING LAMP, BSW-BSI INDICATOR DRIVE, BSW-BSI WARNING LAMP, BUZZER 1 (ADAS), BUZZER 1 (CCM), BUZZER 2 (ADAS), BUZZER 2 (CCM), BUZZER 3 (ADAS), BUZZER 3 (CCM), BUZZER 4 (ADAS), BUZZER 4 (CCM), BUZZER DRIVE, Buzzer, 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, 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 For Leaks, Check Cylinder Fuel Injectors, 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 Purging Switchover Valve, Check Quantity Control Valve, Check Throttle Valve Actuator, Check Valve Bypass Valve, CNG Cylinder 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 Test, CORNERING LAMP, C-SCV Target Step (Bank1), C-SCV Target Step (Bank2), C-VTC Target Angle, Cylinder Cutout Test, Daytime Running Light, DCA Indicator, 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/Unlock, Door Lock

Ind, Door Lock Indicator, Door lock status indicator, Door Lock, Door Mirror LED LH, Door Mirror LED RH, Door Warning Lamp, DOWNSTREAM OXYGEN SENSOR HEATING, Drive Mode Test, Drive Power Distribute Torque, Driver Door Lamp, Driver Seat, EAP SW LAMP, EAPM Warning Lamp, 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 SPEED OUTPUT TEST, Engine Start Request, Engine Start, Engine Sw Illumi, ESS Active, ESS Relay Active, ETC Correction Valve, ETS Solenoid Control, ETS S-V, 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 Relay, FAN UNIT HIGH SPEED, Fan Unit Low Speed Relay, FAN UNIT LOW SPEED, FL Shock Absorber, FL Tire Disp, Flasher test, Flasher, FLAT TIRE WARNING, 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 Assist Window, Front Buzzer, Front Driver Window, Front Fog Lamp, Front lamp, Front Left Solenoid, Front Right Solenoid, Front window defogger (driver side), Front window defogger (passenger side), Front Wiper Test, Front Wiper, Fuel Flow Actuator, Fuel Flow Solenoid Valve, Fuel Heater Relay, Fuel Heater, Fuel Injection, Fuel Lid Open Indicate, FUEL LID OPEN, FUEL METER DIAGNOSIS( ANALOG METER ), Fuel Pressure Solenoid Valve, Fuel Pump Control Module, Fuel Pump Relay 2, Fuel Pump Relay 3, Fuel Pump Relay, Fuel Pump, Fuel Rail Pressure Control Valve, Fuel Rail Pressure, Fuel Return Valve, Fuel Shutoff Valve 1, Fuel Shutoff Valve 2, Fuel Shutoff Valve 3, Fuel Shutoff Valve, Fuel Supply Pump Override Test, Fuel System Leakage Test, FUEL-T TEMP SEN, Gas Pump Command State, Glow Relay, HALF BACK DOOR, Hazard Answer Back, Hazard Lamp, HDC DISP, HDC Display, Head Lamp High, Head Lamp Washer, HEAD LAMP(HI), Head Lamp, Head Lamps, Headlamp High, Headlamp Low, Headlamp Washer, 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 Acknowledgement Signal, Horn Chirp Test, HORN LAMP, Horn Test, Horn, Horn-IPDM-E, Horn-Multi Remote Ent, HPCR Fuel Act Override, HVAC Test, Hydraulic Control, 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 (Mode 1), Ignition Timing (Mode 3), Ignition Timing Adjustment, Ignition Timing, Ill Dim Signal, Illumination Dim Signal, Immobilizer Lamp, INDICATOR LAMP DRIVE, Indicator, Injection Pressure Regulator, Injector Cylinder 2, Injector Cylinder 3, Injector Cylinder 4, Injector-Cylinder 1, Inside ANT Diagnosis, Inside Buzzer, 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 (CAN), Intelligent Key Link, Interior Lamp, Interior Lamps, Interrupt Disp, ~~Key Fob Low Battery Warning, Key Fob Power Window Test, Key Lock Solenoid, Key Reminder~~

Warn, Key Reminder, 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, LDP Warning Lamp, LDW On Indicator, LDW Warning Indicator, LDW Warning Lamp, LED LH INDICATOR, LED, Left Exterior Mirror LED Test, Left Solenoid, Levelizer Test, Lifting motor, Light On Alarm, LIGHT WARN ALM, Lock (Central Locking), Lock Doors, Lock Indicator, Lock Operation, 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, Lumbar support (Up-Down) motor, Malfunction Status Of Stop/Start System, MAP/Baro SW/V, Master Warning Active, Memory Indicator 1, Memory Indicator 2, 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, MOTORISED THROTTLE, Oil Pressure Sw, Oil Pressure Switch, Optic Axis Active Test, Outside Air Temperature Diagnosis, 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, Passenger Door Lamp, PB SW indicator ON, PBD, Pedal Motor, 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 Balance, Power Slide Door, Power Sliding Door, POWER WINDOW (LH-RH), Power Window Down, Power Window Remote Down Set, 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, Purg Vol Cont/V, PURG VOL CONT-V, Purging Switchover Valve, Push Switch Indicator, RAB Warning Lamp (Malfunction), RAB Warning Lamp (Operation), Radiator Fan Drive, Radiator Fan Output Hi, Radiator Fan Output Lo, Radiator Fan Relay Test, Radiator Fan Relay, RCTA-BSW Indicator, Read Tire Id, READY Indicator Lamp, Rear Assist Window, Rear Buzzer, Rear Defogger Indicator, Rear Defogger, Rear Driver Window, Rear Left Door Lamp, Rear Left Solenoid, Rear O2 Diagnosis, Rear Right Door Lamp, Rear Right Solenoid, Rear Window Defogger, Rear Wiper, Reclining motor, Recycle Air Memory Switch, Release Hand Warning, Remote Engine Starter, Retractable Mirror, Reverse Gear Reset Values Of Shift Operations, Reverse Lamp, Reverse Warning, Right Exterior Mirror LED Test, Right Solenoid, Rise Up Wiper Test, RL Shock Absorber, RL Tire Disp, ROOF LATCHED LH-RH, ROOF STATE OUTPUT(AUDIO), ROOF SYSTEM, Roof, 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 LIFT, SEAT LIFTER FR, Seat Lifter Front, Seat Lifter Rear, SEAT LIFTER RR, SEAT LIFTER, 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, SHIFTLOCK SOLENOID TEST, SHIFTLOCK SORENOID TEST, Short Cranking Output, Siren, Sliding motor, Slow Mode, SOFT TOP SYSTEM, 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, Sonar buzzer, Speaker Mute Signal, Speed Sensor Function, START Button Illumination, Starter Cut Relay, Stationary Cornering Lamp Low, Steering Reaction Force Activation, Step Lamp Test, Stop Current Command, Stop Lamp 1, Stop Lamp 2, Stop Lamp 3, Stop Lamp Off Relay 1 Active, Stop Lamp Off Relay 2 Active, Stop Lamp Off Relay, Stop Lamp ON Relay Active, Stop Lamp On Relay, Stop Lamp, Stop Light Relay, Stop start OFF switch indicator, STORAGE LID, Stratified Direct Injection Timing Angle, Stratified EGR Position, Sub Fuel Cont Sol /V, Sub Fuel Pump Relay, Super Charger Clutch Relay, Super Lock, Supercharger Clutch Relay, SWIRL CONT SOL VALVE, Swirl Control Valve, Switch lamp 2, Switch lamp 3, 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, Thigh support motor, Third O2 Sensor Heater, Third O2/S Diagnosis, Throttle Valve Position Setpoint, Tilt Motor, Tire Pressure Warning Lamp, TPMS ID flat tire warn, TPMS ID Registration Warning, TPMS LAMP WARN TEST, Truck Relay Test, Truck Unlock Test, Trunk Locall Identifier, Trunk Open Test, TRUNK OPENER, Trunk/Back Door, Trunk/Glass Hatch Open, Trunk/Glass Hatch, Trunk-back door, TRUNK-GLASS HATCH, Trunk-Luggage Lamp Test, Trunk-luggage lamp, 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, Turn display (LH), Turn display (RH), TURN SIGNAL LAMP LEFT, TURN SIGNAL LAMP RIGHT, Unit Characteristics Data, Unlock Doors, Unlock Driver Door, Unlock Passenger Door, Unlock Rear Doors, UPSTREAM O2 SENSOR HEATING, V/T Assign Angle, Valve Tests, 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, VMC left turning operation indication, VMC Right turning operation indication, Voltage Pattern Output, 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, Welcome Light, Window lifter, front, Window lifter, rear left, Window lifter, rear right, YAW STEP L, YAW STEP R, Yellow Lane Dep.Warng.Indic. Lamp

## New Subaru Coverage

- Added coverage for 122 new system applications

### 32 new Adjustment type special tests:

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

## 207 new Actuation type special tests:

A/C Change Setting, A/C Compressor Relay, A/C Relay, A/T Oil Temperature, ABS Sequence Control Mode, ABS Warning, Active Grill Shutter Test, Air Mix Door Actuator Target Open (Driver Side), Air Mix Door Actuator Target Open (Passenger Side), Airbag Warning, Airmix Dr Act Trgt Open Angle (Drivers), Airmix Dr Act Trgt Open Angle (Pass), All Lamps, All seat UNLOCK output, All seats door warning, Alternator control mode, AM Seek Up/Down, Ambient Air Temperature setting, Ambient Temperature, AUTO switch mode setting, Auto Switch, AWD Linear Solenoid, AWD Mode Select, AWD Solenoid, AWD, Blower Fan Level Setting, Brake Lamp Lighting Operation, Brake Maintenance Mode, Brake Warning, Brightness, Canister Purge Control Solenoid, Charge, Check E/G warning, Color Check: Black, Color Check: Blue, Color Check: Cross Talking, Color Check: Gradation, Color Check: Green, Color Check: Red, Color Check: White, Compression monitor, Coolant Circulation Valve Control, Cruise Indicator, D range display, Diag Recorder Data delete, Diag Recorder Data output, Digital Audio Broadcast Antenna Check, Digital TV check, Door Mirror Indicator Active Test, Down range display, Driver Door, Driver Seat Belt Reminder, Driver Seat Mirror Operation Test, Dual-Range LO Indicator, E/G remaining oil warning, EGR Control, EGR Valve Control (Duty), ELCM pump, ELCM switching valve, EPB Active, EPB Hill Hold, EPS Indicator Lamp, Exhaust Control Valve Control, EYESIGHT failure, Fixed Idle Ignition Timing, FM Seek Up/Down, FR Clutch Solenoid, Fresh/Rec Air Dr Act Trgt Open Angle, Front Fog Lamp Indicator, Fuel efficiency gauge (ECO gauge) 1/2 scale command, Fuel efficiency gauge (ECO gauge) 1/4 scale command, Fuel efficiency gauge (ECO gauge) 3/4 scale command, Fuel efficiency gauge (ECO gauge) MAX scale command, Fuel efficiency gauge (ECO gauge) MIN scale command, Fuel Pump OFF, Fuel Pump Relay, Fuel sender E-point command, Fuel sender F-point command, Fuel Warning Lamp, HBA OFF/FAIL, HBA, Heater core temperature setting, Heater Water Temperature Setting, HID auto leveler, High Beam Indicator, Hill start assist OFF/failure indicator, Horn Output, Illumination Lights Test, Immobilizer, Injection Quantity Control, Injection Stop Mode (Injector 1), Injection Stop Mode (Injector 2), Injection Stop Mode (Injector 3), Injection Stop Mode (Injector 4), Injection Stop Mode (Injector 5), Injection Stop Mode (Injector 6), In-Vehicle Air Temperature Setting, Keyless Buzzer, L range display, LANE OFF, LED LO beam, LED Switch Lighting Test, Left Steering Responsive Headlight, Line Solenoid, lock actual. LOCK output, Lock-Up Duty Solenoid, Low Fuel Warning Indication, LP - EGR Valve Control, Meter 1/2 scale command, Meter 1/4 scale command, Meter 3/4 scale command, Meter E scale command, Meter F-scale command, Mode Door Actuator Opening Angle Target, N range display, Night Brightness Check: Dark, Night Brightness Check: Most Bright, Night Brightness Check: Most Dark, Night Brightness Check: Standard, No-key warning, Noon Brightness Check: Bright, Noon Brightness Check: Dark, Noon Brightness Check: Most Bright, Noon Brightness Check: Most Dark, Noon Brightness Check: Standard, Odometer numerical device display 0, Odometer numerical device display 1, Odometer numerical device display 2, Odometer numerical device display 3, Odometer numerical device display 4, Odometer numerical device display 6, Odometer numerical device display 7, Odometer numerical device display 8, Odometer numerical device display 9, Oil Pressure, P Range Display, Part Number, Passenger Door, Passenger Seat Mirror Operation Test, P-CR OFF, Position light, Power Meter (100%), Power Meter (-100%), Power Windows Tests, Primary Down Solenoid, Primary Up Solenoid, Quantity of Sunload Setting, R range display, Radiator Fan Relay, Range Display Test, Rear Defogger, Rear Differential Inspection Mode, Rear Fog Lamp Indicator, Rear Left Door, Rear Right Door, Recline Motor Backward, Recline Motor Forward, Right Steering Responsive Headlight, ROM ID, Seat Slide Backward, Seat Slide Forward, Secondary Solenoid Current, SET Indicator, Shift Indicator Lamp, Shift Lock Solenoid, Software Information, Software version, Sounder Output, Speaker Output Check(Harman/Kardon Audio Speakers), Speaker Output Check, Speaker Output Volume Adjustment, Speedometer test, SRH OFF, SRVD OFF, SRVD, Tachometer test, Temp Gauge: C-Lock, Temp Gauge: C-Point, Temp Gauge: Dial 1 Instructions, Temp Gauge: Dial 2 Instructions,

Temp Gauge: H-Lock, Temp Gauge: H-Point, Temp Gauge: Intermediate Stability Indication, Temp Gauge: Z-Point, TPMS Warning Light, Trip meter numerical device display 0, Trip meter numerical device display 1, Trip meter numerical device display 2, Trip meter numerical device display 3, Trip meter numerical device display 4, Trip meter numerical device display 5, Trip meter numerical device display 6, Trip meter numerical device display 7, Trip meter numerical device display 8, Trip meter numerical device display 9, Trunk open, Trunk Unlock Actuator, Turn Left Signal, Turn Right Signal, Up range display, VDC Function Check Mode, VDC OFF indicator, VDC operation/failure indicator, Warning Lamp, Washer Fluid Low Indicator, Water temperature (COOL) indicator, Water temperature (HOT) warning

## New Toyota/Lexus Coverage

- Added coverage for 1364 new system applications

### 578 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, A/T Compensation Code Reset, Accumulator Zero Down, aCol Function, Activate Parking Brake After Pad Replacement, Activate Parking Brake For Pad Replacement, Activate The EGR Valve Close Bank 1, Activate The VN Turbo Open Bank 1, Activate/Stop/Status DSC Bleeding(HL), Activate/Stop/Status DSC Bleeding(HR), Activate/Stop/Status DSC Bleeding(VL), Activate/Stop/Status DSC Bleeding(VR), 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, 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 - 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 Bleeding, 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 Auto Cancel, Air Purifier, All Readiness, All Unlock/Open-Close, Ambient lighting adaptation, Ambient lighting: Automatic addressing, Ambient Temperature Adjustment, Ambient Temperature Shift, Assembly Position Of Window Lifters, AT Code Registration, ATF Thermal Degradation Estimate Reset, Audio Information Display Function, Auto A/C, Auto Door Lock Pattern Setting (Speed), Auto Door Lock, Auto Entry Cancel 2 Setting, Auto Entry Cancel Setting, Auto Fold Mirror, Auto LightOff Timer, Auto Lock Time, Auto Lock, 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 when D-Door Open, Automatic Door Unlock Function, Automatic Door Unlock Setting, Automatic Light Off Timing Setting, Automatic Mirror Fold Setting, Back Door Power Window Down, Back Door Power Window Up, Backup Battery Replacement Reset, Bad Weather Function, Battery Status Info Update, Bleed, Blower Operation Setting (StopStart), Bluetooth Connection History, Body Control with Torque Demand, Brake Fluid Flush Reminder (CBS) Reset, Brake Line Air Bleeding, Brake Pedal Pos. Sensor Zero Pos. Compensat., 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, Camera Synchronous Error History, Center Console Spot Light, Central electronics control unit reset, Clear Abnormal Operation History, Clearance Warning Buzzer Volume, Close ALL P/W Function, Coming Home

Light, Commissioning Electric Parking Brake, Compressor Mode, Compressor/Air Inlet DEF operation, Customize Setting Initialization, CVT Oil Pressure Calibration, 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 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, Daytime Running Light Function, DCM Operation History, Deactivate Parking Brake For Pad Replacement, DEF(PSW/Lock) Mode Setting, Delay of Monitoring, Destination Setting, Detection of Vehicle, Diagnostic Mode, Disassembly position of window lifters, 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 Sensor Touch Time Adjust, 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's Door Power Window Regulator Initialisation, Driving Dynamics Sensor Adjustment, DRL Function, DSC Brake Bleed Procedure, ECO Drive Indicator Zone Display Function (Meter), ECO Drive Indicator Zone Display Function, ECO MODE Cancel, ECO Mode Control, ECO Mode Start Function, ECU Data Initialization, ECU Data Save And Write, ECU Reset, Efficient Ventilation Mode, Electric Parking Brake System: Test Mode Procedure, Electrical Steering Column Adjustment Standardization, Electronic Swivel Function, Emission Gas Sensor Shift, Engine Revolution (For Judging Stable Combustion), Entry Delay Time, Entry Delay, Entry Unlock Twice Function, EPB Initialize, EPS: Steering Start-Up, ESB Hydraulic-System Bleeding, ESP Control Unit: Restart, ESP Interchange Test, ESP Sensor Ring Test, EV Mode Cruising Range Reset, 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 Volume Adjust, 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 Neck Heater Auto Mode Adjustment, FR Seat A/C and Heater Sensitivity Adjust, Fr/Rr Seat Interference Avoidance Function (D), Fr/Rr Seat Interference Avoidance Function (P), Front Brake Pad Wear Indicator Reset, Front Center Seatbelt Warning Buzzer Function, Front Driver/Pass Door Power Window Regulator Initialization, Front Passenger's Door Power Window Regulator Initialisation, Front SW Auto Operation, Glass Hatch Open Function, 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, Heavy Knock History, Height Offset Rear Wheels, Height Sensor Initialization, High Voltage Fuse Accumulated Load History Reset, HWD Auto Function, I/L ON W/Door Key Unlock, I/L when ACC OFF, ID Registration/Tire Position Write, Ignition Available Area Setting (Back Door Type), Ignition Available Area Setting (Trunk Lid Type), Illumination System, Initialise puncture indicator, Initialization Of Both Rear Window Lifters, Initialization, Injection Timing Value, Injection Timing, 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 (Window Open), Intrusion Sensor Sensitivity Level, Intrusion Sensor Sound Detection Function, Intrusion Win Opened, Ion Generate Control, IPA Obstacle Avoidance Distance, IPA Parallel Parking Control Area, IPA Perpendicular Parking Control Area, K0 Thermal Estimate Reset, Key Left in Vehicle Alarm Function, Key Low Battery Warning Function, Key Low Battery Warning, Keyless entry: Deactivate/activate, Kick Sensor Operation Function with ACC ON, Lane Change Flashing Times Adjust, Lane CHG Flash CNT, Light Auto OFF Delay Setting, Light Auto OFF Delay, Light Blink Clearance Lights at Unlock Function, Light Control Glass Brightness Memory Function, Light Control Glass Voice Control Function, Light Control, 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, ODO Display Time After IG OFF Adjust, Open Door Warning Function, Operation History Clear, Optical Disc Error History, 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, Oxygen Supply, P Auto Operation Interference Avoidance 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 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 From Driver, P Window Auto Down, P Window Auto Up From Driver, P Window Auto Up, 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 Adjust, Parking Brake Service Mode, 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, Passive Mode (Security System), 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 Select Cylinder, Pilot Injection Volume Value, Pilot Injection Volume, PKSA (O) Auto Mute Function, PKSA (O) Forward Detection Image Display, PKSA (O) Image Display when Away from the Obstacle, PKSA (O) Judgment of Obstacle on Course, PKSA (O) Switch State Stored, PKSB (O) Function, PKSB (O) Target Stopping Distance, PKSB (P) Function, PKSB (P) Target Stopping Distance, PKSB (P) Width Adjustment (Y Axis), PKSB (V) Function, PKSB (V) Operation Timing Setting, PKSB (V) Sensitivity, PKSB Switch State Stored, Power Saving Wait Time(Out Of Entry Range), Power Steering ECU Initial Setting, Power Supply Air Bleeding Pattern 1, Power Supply Air Bleeding Pattern 2, Power Window Voice Control Function, 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 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 SW Operating Condition Setting (LH),



PSD SW Operating Condition Setting (RH), 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, RDC Initialization, Rear A/P HI Set, Rear Brake Pad Wear Indicator Reset, Rear Center Seatbelt Warning Buzzer Function, Rear Curtain Close Relay, Rear Curtain Open Relay, Rear Driver/Pass Side Door Pwr Window Regulator Initialization, Rear Left Seatbelt Warning Buzzer Function, Rear Right Seatbelt Warning Buzzer Function, Rear Seat Interference Avoidance Function (P), 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, Refrigerant Pressure History Clear, Refrigerant Shortage Check, Relax with P-Seat Lift, 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 Control Unit, Reset Memory, Reset puncture indicator, Reset Starter Lock, Residential Area Mode Setting, Response Time Adjust, Reverse Buzzer Setting, Reverse Coupled Actuation Mirror Angle Setting, Reverse Coupled Actuation Mirror Angle, Right Headlight Shade Angle Setting, RL Seat A/C and Heater Sensitivity Adjust, RL Seat Heater Auto Function, RL Window Auto Down From Driver, RL Window Auto Down, RL Window Auto Up From Driver, RL Window Auto Up, Roof Opened Intrusion Function, Room Light when Aprchd, R-pos to Rear Sun Shade COM, RR Seat A/C and Heater Sensitivity Adjust, RR Seat Heater Auto Function, RR Window Auto Down From Driver, RR Window Auto Down, RR Window Auto Up From Driver, RR Window Auto Up, 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 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, Security Alarm Setting, Security Control with Mechanism Key Function, Security control with mechanism key, Security System, Sedan/Wagon Setting, Sensitivity Adjust, Sensitivity, Sensor Unit Zero Position Compensation, Servomotor Initialization, Set Temperature Shift, S-FLOW Control Auto Function, Shade Upper Area Lighting Function, Shift Lever R Signal Delay Time Adjust, Shift Linked Automatic Door Lock Function, Shift Linked Automatic Door Unlock Function, Slide Link Cushion Length Ctrl, Slide Link Hdrest Length Ctrl, Slide Roof Open Warning Function, Slide Roof Open Warning, Slide Roof Voice Control Function, Slide/Tilt Sunroof Initialization, Software Error History, 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 column adjustment adaptation, Steering column adjustment initialisation, 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 Battery Type, Switch Grille Shutter Control Mode, Switch Oil Maintenance Display, T1 RoomLamp BatterySave, Tail Remind Buzzer Function, Telematics Microphone Volume Adjust, Telematics Speaker Volume Adjust, Tire Circumference Setting, Tire Pressure Monitoring: Deactivating The Production Mode, Tire Pressure Sensor Registration, Torque Sensor Adjustment, Total Warm-up Time Setting, Touch Activation Over Threshold, Town Mode, TPMS/RDC - Reset Production Mode, Traffic Sign Recognition Animation Function, Trunk Lid Linked with Door Lock Function, Trunk Lid Open Mode Function, Trunk Lid Operation by Electrical Key Function, Trunk Lid Operation by Entry Function, Trunk Lid Operation, Trunk Link with Door Lock, Tunnel Beam Function, Turn by Turn Animation Function, Ultrasonic Sensor (Front Center) Detection Range, Ultrasonic Sensor (Front Corner) Detection Range, Ultrasonic Sensor (Rear Center) Detection Range, Ultrasonic Sensor (Rear Corner) Detection Range, Ultrasonic Sensor (Side) Alarm Detection Range, Ultrasonic Sensor (Side) Alarm

Function, Ultrasonic Sensor Actuation (Shift N), Unlock 2 Operation, Unlock Key Twice Function, Unlock Key Twice, 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, Valve current adapting, 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 Function, Warning by Horn, Warning Time, Window lifter motors: Adapting, Window Lifter Standard Initialization, Window Open Warning Function, Window Open Warning, Windshield Wiper Service Position Adjustment, 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 Setting, Wireless Buzzer Volume, Wireless Control Function, Wireless Control, Wireless Glass Hatch Open Operation Adjust, Wireless Glass Hatch Open, Wireless Key Related Close, Wireless Key Related Open, Wireless Key Related Operation, Wireless Lock Function with Doors Open, Wireless Trunk Lid Open Operation Adjust, Wireless Unlock Twice Function, Zero Point Calibration

### **1051 new Actuation type special tests:**

2nd START Indicator, 4LO Indicator, 4WD AUTO Indicator, 4WD Auto Mode Indicator, 4WD Control Prevention Mode, 4WD Indicator (Green), 4WD Indicator (Yellow), 4WD Lock Indicator, 4WD Warning Light, 4WD Warning, 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 Pump Activation Test (5 seconds), ABS Rear Left Hold Solenoid, ABS Rear Right Hold Solenoid, ABS Rear Right Release 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 Solenoid, ABS Warning Light, ABS Warning, A-C Driving Demand, Access to Rear Seat Signal, Accumulator Drive, Accumulator Valve, ACM Inhibit, Activate S1 Solenoid, Activate S2 Solenoid, Activate S3 Solenoid, Activate S4 Solenoid, Activate SL Solenoid, Activate SL1 Solenoid, Activate SL2 Solenoid, Activate SL3 Solenoid, Activate SL4 Solenoid, Activate SL5 Solenoid, Activate SLT Solenoid, Activate SLU Solenoid, Activate SR 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 Charger Cooling Fan, Activate the Circuit Relay, Activate the Coolant Water Route Switching Valve 2, Activate The Coolant Water Route Switching Valve, Activate the Electric Heater1 Relay, Activate the Electric Heater2 Relay, Activate the Electric Heater3 Relay, Activate The Electric Water Pump, 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 Vapor-Containment Valve, Activate The Heater Water Pump., Activate the Mirror Heater Relay, Activate The Power Window, Activate the Rear AC Magnet 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 (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 VSV For Intake Control, Activate The VSV For Swirl Control Valve, Activate The VSV For Vent Valve, Activate The Water Pump, 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), Active TRC Indicator, ACTIVE TRC Warning, Actuator Test, 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 Bank 2, Air Inlet Damper (Rear), Air Inlet Damper Control Servo

Motor, Air Inlet, 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(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 Rear FOOT (Driver Side), Air Outlet Rear FOOT (Passenger Side), Air Outlet Servometer Pulse (D), Air Purifier Mode, Air Purifier(Ion), Air Suspension Indicator (HI), Air Suspension Indicator (LO), Air Suspension Indicator (N), Airbag Warning, All Indicator, Alternator Voltage Control, ARS Warning Light, Ashtray Light, ASL Indicator, ASL Warning, 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 LSD Indicator Light, Auto LSD Indicator, Auto Mode, Auto Power OFF Cancel, Auto-Hold Indicator Lamp, AutoHold LED Control, Automatic High Beam Indicator (Green), Automatic High Beam Indicator (Yellow), Automatic High Beam Indicator, Automatic High Beam Operation, Automatic High Beam Switch Light, Automatic High Beam, Auxiliary Battery Warning, AVS Comfort Indicator, AVS Sports Indicator, Back Door Select, Back Door Sensor Power Supply, Batt Cool Down Servo Targ Pls, Battery Magnetic Valve, BDC Terminal\_15 (de-)activation, Beep, BH Operated Light, BH Standby Indicator, BH Standby Light, Blower Level, Blower Motor, Brake Hold Indicator, Brake Lights, Brake Line Mix-up test, Brake Override Warning, Brake Warning Light, Brake Warning, BSM Indicator, BSM OFF Indicator, BSM Warning, Buzzer Operation (1.6khz, Vol S, W-O Damping), Buzzer Operation (2.0khz, Vol S, W-O Damping), Buzzer Operation (2.4khz, Vol L, W-O Damping), Buzzer Operation (800hz, Vol L, W- Damping), Buzzer Operation (800hz, Vol L, W-O Damping), Buzzer Operation (800hz, Vol S, W- Damping), Buzzer Operation (800hz, Vol S, W-O Damping), Buzzer, Cancel Communication Function Pausing, Cargo Light, Ceiling Light, Cent Consol Spot LGT, Center DIFF LOCK Indicator, Charge Indicator, Charge Warning (Red), Charge Warning, Check Antennas, Check Engine Warning, Check Mode, Check The Cylinder Compression, Clearance Light (+ Front Side Marker Light), Clearance Light, CNG Mode Indicator, Collision Door Lock Release, Color Test Screen (Adjustment), Color Test Screen (Black), Color Test Screen (Blue), Color Test Screen (Color Bars), Color Test Screen (Green), Color Test Screen (Red), Color Test Screen (White), Compression Test, Compressor Clutch, Compressor Motor Relay, Compressor Target Speed, Connect The TC And TE1, Control the ACIS VSV Motor Duty Ratio, Control The ACM Inhibit, Control The EGR Step Position Bank 1, Control The EGR Step Position, Control the Electric Thermostat Duty Ratio, Control the Engine Cooling Fan Duty Ratio, Control The ETCS Open/Close Fast Speed, Control The ETCS Open/Close Slow Speed, Control the Exhaust VVT OCV Duty Ratio Bank 1, Control the Exhaust VVT OCV Duty Ratio Bank 2, Control The Fuel Pump Duty Ratio (Brushless), Control the Fuel Pump Duty Ratio, Control The Injection Mode, Control The Injection Volume For A/F Sensor, Control the Intake VVT OCV Duty Ratio Bank 1, Control the Intake VVT OCV Duty Ratio Bank 2, Control the Motor/Generator Cooling Oil Pump, Control The Select Cylinder Fuel Cut, Control the Shift Area (CVT), Control the Target Fuel Pressure Offset, Control the Transmission Oil Pump, Control the Wastegate Valve Duty Ratio, Control Valve In A/C Compressor, 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 (Dim), Cornering Light-Front Side Illuminate Light, Courtesy Light, Crawl Control Light, CRAWL Indicator, CRAWL Warning, Cruise Control-PCS-LKA Buzzer, Cruise Indicator (Yellow), Cruise Indicator, Cushion Length, D-4S (A/F Control), D-4S (Fuel Cut), D-4S (Injection Volume), DAB Indicator Light, Damper Step FL (Electric Current), Damper Step FL,

Damper Step FR (Electric Current), Damper Step FR, Damper Step RL (Electric Current), Damper Step RL, Damper Step RR (Electric Current), Damper Step RR, Day/Night Time signal, Daytime Running Light, DCM Firmware Update, D-Door Unlock, DEF A/O Servo Pulse(D), Defogger Control, Defogger Relay Rear, Dehumidification Magnetic Valve, Deicer Relay Front, Delivery Heater, Diesel Particulate Filter Warning, Diesel Throttle Target Angle Bank 1, Diffuse Pulse(R), Dim mirror, Dimmer Signal, Disconnect System Function Check, Door Illumination 1, Door Illumination 2, Door Lock Indicator, Door Lock, Door Lock/Unlock Status Lamp, Door Open Warning, Door Unlock, Downhill Assist Control Indicator, Downhill Assist Control Light, Downhill Assist Control Warning, Drift From The Lane Indicator, Drift From The Lane Warning, Drive Swivel Motor LH LEFT, Drive Swivel Motor LH, Drive Swivel Motor RH RIGHT, Drive Swivel Motor RH, Drive The Leveling Motor, Driver Seat Sensor Power Supply, Driver Side Seat Belt Warning, Dr-Seat Outside Transmitter, Dr-Seat Select, D-Seat Outside Transmitter, D-Seat Select, DSS Signal Buzzer, Easy Access Buckle, EBS Relay, ECB Control Invalid, ECB Main Relay 2, ECB Main Relay, ECB Main Relay2, ECB Motor Relay, ECB Motor Relay2, ECB Solenoid (SC1), ECB Solenoid (SC2), ECB Solenoid (SCC), ECB Solenoid (SGH), ECB Solenoid (SLA) Valve Close, ECB Solenoid (SLA), ECB Solenoid (SLAFL) Valve Close, ECB Solenoid (SLAFL) Valve Open, ECB Solenoid (SLAFL), ECB Solenoid (SLAFL2), ECB Solenoid (SLAFR) Valve Close, ECB Solenoid (SLAFR) Valve Open, ECB Solenoid (SLAFR), ECB Solenoid (SLAFR2), ECB Solenoid (SLARL) Valve Close, ECB Solenoid (SLARL) Valve Open, ECB Solenoid (SLARL), ECB Solenoid (SLARL2), ECB Solenoid (SLARR) Valve Close, ECB Solenoid (SLARR) Valve Open, ECB Solenoid (SLARR), ECB Solenoid (SLARR2), ECB Solenoid (SLR) Valve Close, ECB Solenoid (SLR), ECB Solenoid (SLRFL) Valve Close, ECB Solenoid (SLRFL) Valve Open, ECB Solenoid (SLRFL), ECB Solenoid (SLRFL2), ECB Solenoid (SLRFR) Valve Close, ECB Solenoid (SLRFR) Valve Open, ECB Solenoid (SLRFR), ECB Solenoid (SLRFR2), ECB Solenoid (SLRRL) Valve Close, ECB Solenoid (SLRRL) Valve Open, ECB Solenoid (SLRRL), ECB Solenoid (SLRRL2), ECB Solenoid (SLRRR) Valve Close, ECB Solenoid (SLRRR) Valve Open, ECB Solenoid (SLRRR), ECB Solenoid (SLRRR2), ECB Solenoid (SMC), ECB Solenoid (SMC/SRC/SCC), ECB Solenoid (SMC1), ECB Solenoid (SMC2), ECB Solenoid (SMC-SRC-SCC), ECB Solenoid (SRC), ECB Solenoid (SSA), ECB Solenoid (SSC), ECB Utility, ECB Warning Indicator, ECB Warning Light, ECB Warning, ECO Mode Indicator, ECONO Indicator, ECT PWR Indicator, ECT SNOW Indicator, Electric Heater1, Electric Heater2, Electric Heater3, Electric Water Heater, Electrical Fan, Electromagnetic Oil Pump, Emergency Call Cancellation, Emergency Exit Warning, Emission Pulse(R), Enforced Driving FHL Warning Trigger, EPB Auto OFF Indicator, EPB Control Switch, EPB Warning Light, EPS Warning, ESP Test, EV Drive Indicator, EV Mode Indicator, Evaporator Magnetic Valve, Exhaust Solenoid1, Exhaust Solenoid2, EXO, Extended Illumination 1, Extended Illumination 2, Exterior Lighting SW, Exterior mirror test, Exterior mirror: System self-test, Extra High Beam, Face A/O Servo Pulse(D), Face A/O Servo Pulse(P), FL Gas Spring Switch Valve, FL Wheel Up/Down, Flash Handle Fold, Flash Handle Return, Fog Lights, Fold/Unfold Mirrors, Foot A/O Servo Pulse(D), Foot A/O Servo Pulse(P), Foot Light, 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 Door Power Windows Regulator Initialisation, Front Evaporator Magnetic Valve, Front Fog Lamp Indicator, Front Fog Light Relay, Front Fog Light, Front Foot Light, Front Footwell Lights, 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 Sliding Sunshade, Front Vertical Operation, Front Washer Relay, Front Washer, Front Wheel Up by Accumulator, Front Wheel

Up/Down, Front Wiper Hi Operation, Front Wiper Lo Operation, Fr-Seat Inside Transmitter, Fuel Cap Reminder Warning, Fuel Filter Warning, Fuel Gauge Indicator, Fuel Gauge Operation (1-2), Fuel Gauge Operation (1-4), Fuel Gauge Operation (3-4), Fuel Gauge Operation (Empty), Fuel Gauge Operation (Full), Fuel Gauge Operation (Sender E), Fuel Gauge Operation (Sender F), Fuel Gauge Operation (Warning), Fuel Gauge Operation For CNG (1-2), Fuel Gauge Operation For CNG (1-4), Fuel Gauge Operation For CNG (3-4), Fuel Gauge Operation For CNG (Empty), Fuel Gauge Operation For CNG (Full), Fuel Gauge Operation For CNG (Sender E), Fuel Gauge Operation For CNG (Sender F), Fuel Gauge Operation For CNG (Warning), Fuel Lid Lock Relay, Fuel Lid Opener, Fuel Lid, Fuel Pump - Duty Cycle, Fuel Pump Single Phase Energization, Fuel Warning (CNG), Glass Hatch Open, GLOW Warning, Go To Service Warning, Green Indicator, H/B Motor Relay, Hazard Answer Back, Hazard, H-B Motor Relay, Head Light Hi, Head Up Display Indicator, Headlamp Indicator, Headlight Cleaner, Headlight High Beam, Headlight Indicator, Headlight Leveling Indicator Display, Headlight Leveling Indicator, Headlight Leveling Initialize Incomplete Display, Headlight Low Beam, Headlight Relay, Headlight Relay-Light Power Supply Relay, Headlight System Malfunction Display, Headlight Washer System, Headrest Front-Rear, Headrest Motor, Heat Exchange Shut Valve, Heater Valve, Heating Electric Expansion Valve, Heating Three-way Valve, Height Control Prohibition Switch, Height High Indicator, Height High Warning, High Beam Headlight, High Beam Indicator, High Beam LH, High Beam RH, High Pressure Magnetic Valve, High Voltage Electric Heater, High-Beam Headlights, Hill Hold Control Button Led, Hold Indicator, Horn, 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, ICS OFF Warning, IG OFF P/W Control Permission Output, IG OFF P-W Control Permission Output, IGP Signal, Illuminated Entry System, Illumination Module A1, Illumination Module A2, Illumination Module A3, Illumination Module A4, Illumination Module B1, Illumination Module B2, Illumination Module B3, Illumination Module B4, Immobilizer Indicator, iMT Indicator (Green), iMT Indicator (Yellow), Indicat. Lamp VSC OFF, Indicate AFS OFF Lamp, Indicator Condition, Indicator For Lighting, Initial Axis Adjust Value Display, Injection Timing Select Cylinder, Injection Volume, Injector Compensation, Inside Handle Illumination, Inside Handle Light, Inside Luggage Tuner Power Supply ON, Inside Luggage Tuner Power Supply, Inside Trunk/Backdoor Transmitter, Inspection Mode, Instrument Panel Illumination, Intercooler Water Pump Relay, Interior Illumination Light, Interior Illumination Light1, Interior Panel Relay, Intrusion Sensor Power, INTUITIVE P-A LCD Indicator, INTUITIVE P-A LCD OFF Indicator, Ion Generator, KDSS Warning, Key Cylinder Illumination, LDA Indicator (White), LDA Indicator, LDA Steering Control Indicator, LDA Warning, LED Headlamp Warning, Left 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 Glass Relay, Light Control Switch (DOWN), Light Control Switch (Single), Light Control Switch (UP), Limited Power Indicator, Lithium Battery Check Indicator, Lithium Battery Hot Indicator, Load Specification Information, Locator Lighting, Lock All Doors, Lock and Enable, 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 (Yellow), Luggage Mode Indicator, Lumbar Bottom, Lumbar Lift, Lumbar Middle, Lumbar Slide, Lumbar Upper, LWR Reference Run, M/H Bypass Cool Servo Pls, M/H Bypass Hot Servo Pls, Magnetic Clutch Relay, Magnetic Valve Operation, Maintenance Warning, Master Warning, Meter Day Mode Switch, Meter Display (0), Meter Display (1), Meter Display (2),

Meter Display (3), Meter Display (4), Meter Display (5), Meter Display (6), Meter Display (7), Meter Display (8), Meter Display (9), Meter Display (All), Middle Pressure Magnetic Valve, Mirror Fold Signal, Mirror Fold, Mirror Heater Relay, Mirror Heater, Mirror Heating, Mirror Left/Right, Mirror Return Signal, Mirror Return, Mirror Up/Down, MMT E Mode Warning, Motor Relay Control, Motor Relay, 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, Multi Channel SW, Multi Display All (White), Multi Display Default Screen, Multi Display Select Switch, Multi Switch (Back), Multi Switch (Down), Multi Switch (Enter), Multi Switch (Left), Multi Switch (Right), Multi Switch (Top), Multi Switch (Up), Navi CVT Indicator, Night View Indicator, Normal Sleep Mode, O-D OFF Indicator, ODO-TRIP Change Switch, OFF Road Guidance Indicator, OFF Road Guidance Warning, Oil Level Warning, Oil Pressure Meter Operation (1-2), Oil Pressure Meter Operation (1-4), Oil Pressure Meter Operation (3-4), Oil Pressure Meter Operation (HIGH), Oil Pressure Meter Operation (LOW), Oil Pressure Warning, Oil Pump, Open Door Warning, Ottoman, Outer Mirror Reverse Light, Outside Mirror Footwell Lights, Outside Trunk/Backdoor Transmitter, Over Speed Indicator, Overhead Tuner Power Supply ON, Overhead Tuner Power Supply, P Range Indicator, P Supply for Steering Lock, Panel Light, Park Warning, Passenger Seat Operation Switch Indicator, Passenger Seat Sensor Power Supply, Passenger Side Seat Belt Warning, PCS Buzzer, PCS OFF Warning, PCS Warning, Pedestrian Protection Warning, Pelvis Support Operation, Pinion Gear Plunger (Hood Close), PKB Full Release Control, PKB Light, PKB Lock Control, PKB Release Control, Power Down, Power For BDoor Sens, Power For DR-Seat Sens, Power For Intrusion Sensor2, Power For PR-Seat Sens, Power For P-Seat Sens, Power For Tilt Sensor, Power Running Board Forced Retracting, Power Window SW LED, Power Windows, Power/Engine SW Light, PPS Solenoid, PPS Warning, Pre Crash Brake OFF Light, Pre-Charge Pump, Prohibit the Catalyst OT Misfire Prevent Fuel Cut, Prohibit the Idle Fuel Cut, Proximity Sound (Low Speed), Proximity Sound (Vehicle Stationary), Proximity Sound Indicator, Pr-Seat Outside Transmitter, Pr-Seat Select, P-Seat Outside Transmitter, P-Seat Select, PTC Heater, Pulse-wheel test, Pump Check Pattern, Pump Control, Pump Motor Relay, Radar Cruise Approach Alarm Buzzer, Radar Cruise Indicator (Yellow), Radar Cruise Indicator, Radar Cruise Proximity Warning Buzzer, Radar Cruise Stop Buzzer, Radar Cruise Stop Keeping Announce Buzzer, 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 Relay, Rear Defogger, Rear DIFF LOCK Indicator, Rear Driver and Passenger Window Regulator Initialization, Rear Driver Side Power Window Close, Rear Driver Side Power Window Open, Rear Driver Side Sensor Power Supply, Rear Driver's Door Power Window Regulator Initialisation, Rear Fog Lamp Indicator, Rear Fog Lamp, Rear Fog Light Relay, Rear Fog Light, Rear Gate Solenoid, Rear Gate Valve, Rear Inner Wheel Control Indicator, Rear Inner Wheel Control Warning, Rear Inverter Cooling Fan, 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 Passenger Side Power Window Close, Rear Passenger Side Power Window Open, Rear Passenger Side Sensor Power Supply, Rear Passenger's Door Power Window Regulator Initialisation, 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 Washer, Rear Welcome Light, Rear Wheel Up by Accumulator, Rear Wheel Up/Down, Rear Wiper Operation, Rear Wiper Washer Motor Relay, Rear Wiper, Red Indicator, Reductant Discharge, Reductant Filling (Pressure Keep), Reductant Injection Valve, Reductant Pipe Heater, Reductant Pump Check (Backward), Reductant Purge, Reductant Tank Heater, Reductant Warning, Refresh B1, Refresh B2, Refresh B3, Refresh B4, Refresh B5, Refresh C1, Refresh C2, Refresh C3, Refresh C4, Refrigerant Gas Volume Check,

Relay for Interior Light Auto Cut Function, Remote Engine Starter, Reverse Gear Signal, Reverse Signal, RH Courtesy Light, RH Mirror Right/Left, RH Mirror Up/Down, Ride Mode Indicator, Right Front Seat Heater, 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, Rr-Seat Inside Transmitter, Seat Backrest Recline, Seat Heater Active Level, Seat Slide Operation, Security Horn 2, Security Horn, Security Indicator, Self Power Siren, Service Function Measured Data Wheel Electronics, SET Indicator, Shift-By-Wire Warning, Shock Detection Unlock, Shoulder, Side Back Support, Side Cushion Support, Side Mirror Foot Light, Side Support Operation, Signal Check, SIL Indicator (Down), SIL Indicator (Up), Slide Roof, Sliding Sunshade, Slip Indicator Light, Slip Warning, Smart System Indicator, Smart System Warning, SOC Gauge (1-2), SOC Gauge (1-4), SOC Gauge (3-4), SOC Gauge (MAX), SOC Gauge (MIN), SOC Warning, Solenoid Relay, Sound, Speed Signal Input (0), Speed Signal Input (120), Speed Signal Input (160), Speed Signal Input (200), Speed Signal Input (240), Speed Signal Input (280), Speed Signal Input (320), Speed Signal Input (360), Speed Signal Input (40), Speed Signal Input (400), Speed Signal Input (80), Speedometer Operation (0km-H,0mph), Speedometer Operation (120km-H,120mph), Speedometer Operation (160km-H,160mph), Speedometer Operation (200km-H,200mph), Speedometer Operation (240km-H,240mph), Speedometer Operation (280km-H,280mph), Speedometer Operation (320km-H,320mph), Speedometer Operation (360km-H,360mph), Speedometer Operation (400km-H,400mph), Speedometer Operation (40km-H,40mph), Speedometer Operation (80km-H,80mph), Sport Indicator (CVT Sport), Start SW Light Power Supply, Starter (Hood Close), Starter Motor Drive Magnet Switch (Hood Close), Steering Heater Indicator (Yellow), Steering Heater, Step Light, Stop Start Buzzer, Stop Start Permit Cond (A/C), Stop Start Permit Cond (ABS), Stop Start Permit Cond (Battery), Stop Start Permit Cond (Engine), Stop Start Precondition2 (Control), Stop And Start OFF Indicator, Stop And Start ON Indicator, Stop Lamp Relay, Stop Light Relay, Stop light System Indicator Light, Stroke Simulator Cut Valve Pattern, Sub Fuel Gauge Operation (1-2), Sub Fuel Gauge Operation (1-4), Sub Fuel Gauge Operation (3-4), Sub Fuel Gauge Operation (Empty), Sub Fuel Gauge Operation (Full), Sub Fuel Gauge Operation (Sender E), Sub Fuel Gauge Operation (Sender F), Tachometer Operation (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), Tail Lights, Tailgate Open, Taillamp Indicator, Taillight Relay, Taillight-Clearance Light, Temporary Activation and Temporary Deactivation, Temporary Vehicle Start Up, Test The Turbo Charger Step Motor Bank 1, Timer Switch (00), Timer Switch (H), Timer Switch (M), Timer Switch (Single), Timing Belt Warning, Tire Pressure Indicator, Tire Pressure 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), Trailer Reverse Assistant Light, TRC OFF Indicator Light, TRC(TRAC) Motor Relay, TRC(TRAC) OFF Indicator Light, Trip Reset Switch, Trunk And Back-Door Open, Turn Light LH Relay Operation, Turn Light RH Relay Operation, Unlock All Doors, Upper Air Mix (Driver Side), Upper Air Mix (Passenger Side), 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, Volt Meter Operation (0V), Volt Meter Operation (12V), Volt Meter Operation (15V), Volt Meter Operation (18V), Volt Meter Operation (3V), Volt Meter Operation (6V), Volt Meter Operation (9V), VSC OFF Indicator Light, VSC OFF Indicator, VSC 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, Washer Nozzle Heater, Washer Warning, Water Level Warning, Water Pump, Water Temperature Meter Operation (110C,230F), Water Temperature Meter Operation (120C,248F), Water Temperature Meter Operation (127C,260F), Water Temperature Meter Operation (50C,122F), Water Temperature Meter Operation (60C,140F), Water Temperature Meter Operation (70C,158F), Water Temperature Meter Operation (80C,176F), Water Temperature Meter Operation (Middle), Wheel Electronics - Warning and Calibration Data, Wheel Speed Sensor Functional Test, Wheel Speed Sensor Supply, Windscreen Washer Pump, Wiper Motor Hi, Wiper Motor Lo, Wiper Power Relay, Wiper Service Position, Wireless Buzzer

## New Coverage Details – USA European

### New Audi Coverage

#### 1670 new Adjustment type special tests:

A/C Comfort Parameter For Start/Stop Function, A/C Compressor Adaptation, AAU CL Address, ABS Pumping Characteristic, Accumulator bleeding, Accumulator Charging And Deactivate Self-Levelling, Accumulator charging, Acknowledge Comfort Closing With Flashing Light, Activ./deactiv. Traffic Message Channel (TMC), Activate Air Suspension, Activate Display, Activate shipping mode, Activate Showroom Mode, Activate test mode, Activate/Deactivate Cruise Control, 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 Shipment Mode, Activate/Deactivate Water Droplet Removal, Activation Deactivation Of Popups For Active Tracking Services, Activation Time Of Basic Adjustment Air Conditioner Compressor Run In, Activation Time To Open Rear Lid With Remote Control, Activation Tone Adjustment, Active Noise Cancellation EOL Test, Actuation Time To Open Rear Lid With Remote Control, Actuator Test Increment, Actuator Test Passes, Actuator Test Start Frequency, Actuator Test Stop Frequency, Adapt Automatic Rear Lid Locking At 5 km/h, Adapt Cardan Sync, Adapt Convenience Blinking Cycles, Adapt DPF Adaptation Values, Adapt Fuel Consumption Indicator, Adapt Fuel Gauge, 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 Heater, Adaptation - After Run Time For Auxiliary Heater With A/C, Adaptation - Auxiliary Heating Retrofit Without CAN, Adaptation - Basic Setting Running Time For Compressor Break-In, Adaptation - Blower Reduction During Slow Driving, Adaptation - Compressor Activation In Efficiency Mode, Adaptation - Compressor Ratio For Torque Calculation, Adaptation - Duration Of Compressor Run-In, Adaptation - Electro Magnetic Tolerance Mode Of Actuator Motors, Adaptation - End Stops Of Position Sensors In Vents, Adaptation - End Values Of Position Sensors In Vents, Adaptation - Front Windshield Heater, Adaptation - Humidity Management, Adaptation - Interior Air Conditioning Status, Adaptation - Maximum Running Time For Pump After Run, Adaptation - MMI Display Time At Temperature Adjustment, Adaptation - MMI Display Time, Adaptation - MMI Display Unit For Rear Control, Adaptation - Reducing Window Condensation At High Air Humidity, Adaptation - Reset Adaptation Value Of Vent Position Sensors, Adaptation - Seat Heating Activation, Adaptation - Seat Ventilation Activation Level, Adaptation - Stop Enable For Start/Stop Function, Adaptation - Tolerance Range For Flap End Stops, Adaptation - Windshield Defogger Takeover, Adaptation (10) / Long Adaptation (0A), Adaptation



Acknowledgement Comfort Locking, Adaptation Acoustic Feedback When Locking, Adaptation Acoustic Feedback When Unlocking, Adaptation -Activation Temperature Seat Heating, Adaptation -Activation Temperature Seat Ventilation, 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 Of Air Flow In Footwell, Adaptation Of Blower Voltage During Compressor Break In, Adaptation Of Coolant Pump, Adaptation Of Fresh Air Blower Voltage, Adaptation Of Idle Speed, Adaptation Of Service-Interval Display, Adaptation Of Temperature Characteristic In Summer Mode, Adaptation Of Temperature Characteristic In Winter Mode, Adaptation -Seat Heating Activation Level, Adaptation Steering Wheel Heater, Adaptation Unlocking Via Access And Start Authorization, Adapting Battery Monitoring (Sounder), Adapting End Stops, Adapting Of Control Motors, Adapting Single Door Unlock, Adaption After Adjustment, Adaption Function Reset, Adaption Of Radiator Shutter Control, Adaptive Brake Light, Adaptive Starting Assistant, Additional Features, Additional Functions, Adjustable Rear Spoiler Control Unit Data Set 1, Adjustable Rear Spoiler Control Unit Data Set 2, Adjustment Of Brake Pressure Sensor, Adjustment Of Center Body Vent Blower With Voice Control, Adjustment Of Lateral Acceleration Sensor, Adjustment Of Longitudinal Acceleration Sensor, Adjustment Of Rotation Rate Lateral/Longit. Acc. Sensor, Adjustment Of Steering Angle Sensor, Adjustment Of Vehicle Level Sensors, Adjustment Range Front (High Value), Adjustment Range Front (Low Value), Adjustment Range Rear (High Value), Adjustment Range Rear (Low Value), Adjustment, Adjustment: Locking Whilst Driving, Adjustment: Remote Control Conven. Actuation, Adjustment: Unlocking After Key Removal, Adjustment: Unlocking Options, After Run Of Auxiliary Heater Or Auxiliary Ventilation, After Run Time Of PTC Auxiliary Heater With AC Off, Air Conditioner Compressor Inlet Time, Air Conditioner Compressor Run In, Automatic Start, Air Conditioner Control Motors: Adapting, Air Conditioner Heater Output Test, Air Conditioning Adaptation - Production Mode, Air Quality Sensor Adjustment, Air Spring Strut Bleeding, Front Axle, Air Spring Strut Bleeding, Rear Axle, Air Spring Strut Bleeding, Rear Left, Air Spring Strut Bleeding, Rear Right, Air Spring Strut Charging, Front Axle, Air Spring Strut Charging, Rear Axle, Air Spring Strut Charging, Rear Left, Air Spring Strut Charging, Rear Right, Air Volume/distribut. Display Time Adjustment, Alarm Delay, Alarm Horn Adjustment, Allocate Control Motors, Ambient Light Threshold Coming/Leaving-Home, Analog 1, Analysis 13, Analysis 7, Angular Gear Ratio, Antenna Diagnosis, Anti-Theft Alarm Delay, Anti-theft Alarm Vehicle Inclination Sensor, Anti-theft System Interior Monitoring, Anti-Theft-System Alarm Delay, Application Characteristics, ASAM / ODX File Version, 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, Audio Data Storage Adjustment, Audio Parameter Setting, Audio Reduction Adjustment, Audio Volume Lowering, 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 Trans Kick-Down (TCM), Auto Trans Kick-Down(ECM), Auto-Lock, Automatic Addressing Of Control Motors Of Air Condition, Automatic Addressing, Automatic Air Recirculation Mode Of A/C At Wipe/Wash Function, Automatic Rear Window Wiping with Reverse Gear, Automatic Recirculation Mode Of A/C When Driving In Reverse, Automatic Zero Potential Check, Auto-Unlock, Auxiliary Air Heating Test, Auxiliary Heating Run On Time, Auxiliary Heating, Auxiliary Heating/Residual Heat With Air Flow Button Activation, Average consumption display correction, Background Scan Time Interval, Backup Battery Reset State Of Health, Backup DNS Server, Backup Power Threshold, Backup-Camera Shut-Off Speed,

Basic Distance Value for Inspection, Basic Distance Value for Oil Change, Basic Setting - Calibrate All Wheel Drive Clutch Pump, Basic Setting - Head Light Adjustment, Basic Setting - Resetting All Adaptations Values, Basic Setting / Bleeding Brake System, Basic Setting A/C Actuator Motor In, Basic Setting A/C Actuator Motor, Basic Setting A/C Compressor Break In, Basic Setting A/C Compressor Break, Basic Setting A/C Flap Door End Stops, Basic Setting A/C Flap Motor, Basic Setting Brake Bleeding, Basic Setting Brake Pedal Position Sensor, Basic Setting Brake Pressure Sensor, Basic Setting Electrically Adjustable Steering Column, Basic Setting Exhaust-Gas Recirculation, Basic Setting Headlamps, Basic Setting Headlight, Basic Setting Hydraulic Connections, Basic Setting Integrated Parking Brake, Basic Setting Kickdown, Basic Setting Of Cut-Out Valves, Basic Setting Of Intake Valves, Basic Setting Quit, Basic Setting Seat Occupied Recognition, Basic Setting Steering Angle Sender, 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, Basic Setting/Bleed Brake System, Basic Settings (04), Basic Time Value for Inspection, Basic Time Value for Oil Change, Battery BOX Serial Number, Battery Information/Replacement, Battery Monitoring Via Alarm Sounder, Battery Replacement, Battery Separating Deactivation, Battery Separating Relay Deactivation, Battery Serial Number, Beginning Summer Time Month, Bleed Brakes, Bleed Fuel System, Bleed Pressure Lines, Bleed, Blower Max Voltage Limit During Auxiliary Heating/Ventilation, Blower Voltage During AC Compressor Run In, Blower Voltage Limitation For STH STL Or Residual Heat, Blower Voltage With Voice Control, Bluetooth Audio Codec, Bluetooth interface activation/deactivation, 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, Braking to Standstill, Brightness Class Headlight Adaption, Bus Optical Transmission Power Reduction, Calculation Consumption Efficiency History, Calibrate Parking Brake, Calibrate Steering Angle Sensor, Calibration Control Units For Heater Element, Calibration End Stops Of Air Condition Flaps, Calibration Height Values, Calibration Of Stop Positions, Calibration Of Tyre Pressures, Calibration Operating And Display Units For Air Conditioning, Calibration Seat Fan Rear, Calibration Seat Fan, Call Auto Answer Time, Callback Time Dropped Call, Camera/Video Brightness, Camera/Video Contrast, Camera/Video Saturation, Camshaft Adjustment (Exhaust), Camshaft Adjustment (Intake), CAN Signal Transmitting Delay Of Car Roll Away Warning, CAN Signal Transmitting Duration Of Automatic Terminal 15 Shutoff, CAN Signal Transmitting Duration Of Comfort Switch Off, CAN Stop Tx Delay Time, CAN Timeout Service Key Message, CAN Timeout Trigger, Cancel Manual ECall Timer, CAN-Databus Comfort (Installation List), CAN-Databus Infotainment (Installation List), CAN-Databus Powertrain (Installation List), CAN-Extended Usage, CAR Menu Speed Threshold Adjustment, Carbon Mass (DPF Replacement), Carbon Mass (ECM/DPF Replacement), CAT Conversion Rate (Bank 1), CAT Conversion Rate (Bank 2), 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, Central Locking Test Sequence, Changeover To Normal Ride Control Operation, Charge Pressure Control, 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 Counter Of Valve Activations, Clear Duration Mode And Control Activities, clear duration mode, Clear Sporadic Light Off Detection Information, Clear VIN, Climate Compressor Torque Calibration, Close Rear Parking Brake (After Pad Change/Repair), CMC Registration, Coding Container Part Number, Coding Container Version, Coding Maintenance Interval Extension, Collision Prevention 1 (Special Methods 1), Collision Prevention 2 (Front-Assist), Comfort CAN-Databus, Comfort

Function (Remote Control), Comfort Functions, Comfort Menu, 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), Component Update Confirmation, Compressor Control In Efficiency Mode, Compressor Run-In Blower Voltage Adaption, Compressor Run-In Time Adaption, Compressor Run-In, Compressor Run-In/Air Conditioning, Configuration, Confirmation Sound, Constant Damper Current Front Left, Constant Damper Current Front Right, Constant Damper Current Rear Left, Constant Damper Current Rear Right, Consumption Correction, Conti Debug Switch, Control Module Address Reset, Control Of Warning Light, Coolant Circulation Pump Overshoot Time, Coolant Circulation Pump, Overload Time, Coolant Circulation Pump, RPM, Coolant Temperature Calibration, Coolant Valve Adaption, Cooling Output Test, Correction Factor Consumption And Operating Range Electric, Correction Factor Consumption And Operating Range Gas, Correction Factor Consumption And Operating Range, Correction Value LED Dimming, Counter Reset For Refrigerant Loss Detection, Counter Sporadic MOST Open Circuit, Country Setting, Country Version Encoding, Cruise Control Operating Unit: Activation, Curve Light Offset Left, Curve Light Offset Right, Cycle Time For Voltage Monitoring During Sleep Mode, Cyclic Interior Scan During Clamp 15 On, Date (Day/Month), Date (Year), Date Day, Date Month, Date Year, Day Counter, Daytime Running Lights Dimming (Fog Lights), Daytime Running Lights Dimming (High Beam), Daytime Running Lights Dimming (Low Beam), Daytime Running Lights, Deactivate Display, Deactivate ESP System/Function Test, Deactivate Factory Mode, Deactivate Juvenile Protection, Deactivate shipping mode, Deactivate test mode, Deactivation Of Longitudinal Acceleration Sensor, Deactivation Temperature For Solar Roof, Deactivation Time Vip Sliding Door, Debounce Time Detection, Debounce Time Driver Presence, Debounce Time Reverse Gear Detection, Defuel Threshold, Delay Time Alarm Activation, Delay Time Crash Unlocking, Delay Time Terminal 15 S Shut Down After Leaving Vehicle, Delay Time Terminal 15 S Shut Down By BEM, Delay Timer Before ECU Goes Off, Delayed Accessory Power After Clamp 15 Off Com, Delayed Accessory Power After Clamp 15 Off Edge, Delayed Accessory Power After Clamp 15 Off, Delete Bluetooth Handsets Learnt, Delete Bluetooth Mobile Phones Learnt, Delete Commonness Counter For Start/Stop, Delete Error Memory Dev, Delete fault memory, Delete Iccpd Error Memory, Delta Value LED Dimming Curve First Point 40 Percent Dimming, Delta Value LED Dimming Curve Forth Point 100 Percent Dimming, Delta Value LED Dimming Curve Second Point 60 Percent Dimming, Delta Value LED Dimming Curve Third Point 80 Percent Dimming, Desulphurisation Nox Storage Catalyst Bank 1, Development Function Deactivation, Diagnostic: Wait Time After Power On, Diesel Particle Filter (DPF) Service Regeneration, Diesel particulate filter regeneration run, Dim Value Light Module 2, Dimming Coefficient Green Functional Illumination For Operating Unit, Dimming Coefficient Red Functional Illumination For Operating Unit, Direct Test Mode Input, Directional Stability Correction Offset Value, Display Calibration, Display Correction Consumption And Range, Display Correction Fuel Gauge, Display Duration Emergency Off, Display Duration Error Mode 2 SPN, Display Duration Please Engage P, Display Fade Down, Display Illumination Test, Display Time Splash Screen, Distance (in 10km), Distance Impulse Number, Distance Since Inspection, Doorknob Contact Sensor Disconnecting Time, DPF Regeneration While Driving, DPF Service Regeneration, Drain Fuel Tank, Drive Select Standard Setting (Key 1), Drive Select Standard Setting (Key 2), Drive Select Standard Setting (Key 3), Drive Select Standard Setting (Key 4), Driver Steering Recommendation (DSR), Driving Follow Up Time, Driving Profile For Distance To Empty Calculation CNG, Driving Profile For Distance To Empty Calculation LPG, Driving Profile For Distance To Empty Calculation, Duration A CAN Wake Up For Engine ECU Wake Up, Duration For Basic Setting Of Compressor Running In, Duration Maneuver Situation, Duration To ZAT Continuous Actuation Detection, Duration To ZAT Multi Actuation Detection, Duration ZAT Debounce, ~~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 Control Strategy, Dynamic Start of Injection Adjustment, Dynamic Steering Recommendation, Dynamometer Mode, Early Summer Time Sunday, EC Interior Mirror Turn Down, Ecall Auto Dial Attempts, Ecall Automatic Crash Notification Phone Number 1, Ecall Automatic Crash Notification Phone Number 2, ECall Call Back Delay, Ecall Delay Time, Ecall Dial Duration, Ecall Manual Dial Attempts, Ecall Test Number, ECU D, ECU Serial Number, ECU W, EEPROM Address, EEPROM Output, EGR Low Pressure Valve Reset, EGR Valve Reset, EJECT Button Disable Adjustment, Electric Fuel Pump Control Basic Setting, Electric Power Steering: Configuring, Electric Power Steering: Encoding, Electrically Adjustable Steering Column Easy Entry, Electrically Adjustable Steering Column Soft Stop, Electro Magnetic Tolerance Mode Of Actuator Motors, Electro Mechanical Parking Brake Deceleration Level, Electromechanical Parking Brake Operational Test, Electronic Stability Program: Activate Brake Dynamometer Mode, Electronic Throttle (Kick-Down Adaptation), Electronic Throttle (Throttle Body Adaptation), Emergency Battery, Emergency Braking Intensity, Emergency Call 1 Roaming, Emergency Call 1, Emergency Call 2, Emergency Call Autorepeat, Emergency Call SMS 1, Emergency Call System: Resetting After Replacement Of The Compo, Emergency Call Test Number EU ECall, Emergency Call Test Number, Emergency charging, Emergency Number, EMF Opening Mode Adjustment, Emission Reduction (EVAP Valve Test), Emission Reduction (Exhaust Gas Recirculation), Emission Reduction (Leak Diagnostic System), Emission Reduction (Secondary Air Injection: Bank 1/3), Emission Reduction (Secondary Air Injection: Bank 2/4), Enabling Code For Vehicle Tracking System, Encoding Of Retrofitted Components, End Of Summer Time Month, End Of Summer Time Sunday, Energy Management Shut-Off Priority Counter, Engine Cooling (Map Cooling), Engine Type Adaption, England ROW DWA Alarm Signal Adjustment, Environment Scan Cyclic Step1, Environment Scan Cyclic Step2, Environment Scan Duration Step1, Environment Scan Duration Step2, Environment Scan Level Bem, Environment Scan Responselevel Reduction, Environment Scan Start Delay Time, Erase Error Table, Error Mask 1, Error Mask 2, Error Mask 3, Error Mask, ESI Maximum Mileage To Next Service, ESI Maximum Time To Next Service, ESI Mileage Since Last Service Event, ESI Minimum Mileage To Next Service, ESI Minimum Time To Next Service, ESI Oil Thermal Wear, ESI Soot Contamination, ESI Time Since Last Service Event, ESP steering wheel angle sensor adaptation, ESP-Data (Brakes), ESP-Data (Powertrain), EU ECall Test Mode Trigger Counter, EU ECall Test Mode Trigger Timer, Evac And Fill Byte, Evaporative Emission Control Functional Test, Evaporative Emission Control Regenerat. Valve, Exhaust Gas Recirculation (EGR) Low Pressure Valve Adaptation, Exhaust Gas Recirculation (EGR) Low Pressure Valve, Exhaust Gas Recirculation (EGR) Valve Adaptation, Exhaust Gas Recirculation (EGR) Valve Alignment, Exhaust Gas Recirculation (EGR), Exhaust Gas Recirculation Valve Basic Setting, Exhaust Gas Temperature Sensor Test, Exhaust Pressure Control Motor Adaptation, Extended Electronic Differential Lock (XDS), External Noise Volume Adjustment, Factory Mode, Fatigue Detection / Rest Assist, Field Test Mode Time, FIX Maximum Distance To Next Mileage Based Service Event, FIX Maximum Time To Next Time Based Service Event, FIX Mileage Since Last Mileage Based Service Event, FIX Resetvalue Distance To Next Mileage Based Service Events, FIX Resetvalue Time To Next Mileage Based Service Events, FIX Time Since Last Time Based Service Event, Fixed Service Interval Adjustment, Flap Motors Address Lookup/Initiation, Flexible Service Interval Adjustment, Flexible SID Adaption (Diesel), Flexible SID Adaption (gasoline), Fog Light Cold Diagnosis, Footwell Lighting Dimming (With Open Door), Footwell Lighting Dimming (with Terminal 58d), Footwell Lighting Dimming, Force Auto Adjust, Fragrancing System Replacing Cartridge In Aroma Receptacle 2, Fragrancing System Replacing Cartridge In Aroma Uptake 1, Friction Coefficient Grade EOL, Front And Rear Control Motor Basic Settings, Front Axle SPECIFIED Pressure Comfort, Front Axle SPECIFIED Pressure Fully Loaded, Front Axle SPECIFIED Pressure Partially Loaded, Front Axle SPECIFIED Pressure Standard, 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 Left Seat Heating Memory Function Setting, 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 Injection (Fuel Pump Adaptation), Fuel Injection (Fuel Supply System), Fuel Pressure Regulator Valve Adaptation, Fuel Pressure Regulator Valve Reset, Fuel Pump Alignment, Fuel Supply Pump Activation, Fuel Supply System (Fuel Pressure Reduction), Fuel Supply System (Intake Runner Flap Adaptation: Bank 1), Fuel Supply System (Intake Runner Flap Adaptation: Bank 2), Fuel Supply System Diagnosis, Fuel Tank Capacity, 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, Gear Selector Adaptation, Generate Readiness, Generator Load Calibration, Geofencing Position Timeout, Glass Variant, Gnss Data Rate, Gnss Min Elevation, Go To High Level And Deactivate Self-Levelling Permanent, Go To High Level And Deactivate Self-Levelling, Go To High Level, Go To Normal Level And Deactivate Self Levelling, Go To Normal Level And Deactivate Self-Levelling Permanent, Go To Normal Level With Narrow Control Tolerance, Go To Normal Level, Go To Preliminary Stage For Calibration In Production, Go To Preliminary Stage For Calibration In Service, Go to production reference level, GSM Antenna Switch Speed Delay, GSM Antenna Switch Speed Limit, GSM Antenna Switch Time Limit, Halogen Headlights, Head Light Washer System Adaptation In Production Mode, Headlamp setting, Headlight Adjustment Position, Headlight Adjustment, Headlight Basic Setting, Headlight Position Learning, Headlight Washer Activation Delay, Headlight Washer Activation Time, Heater/Air Conditioning, Height Calibration Front Left, Height Calibration Front Right, Height Calibration Rear Left, Height Calibration Rear Right, Hella Debug Switch, High Voltage Heater 2 Routine, Highbeam with Assistance Driving Light, Highway/Comfort Blinking, Hill Hold Assist (HHA), History Data Reset, HV Battery Charge, HV Battery Control Unit Initialization, Hydraulic Brake Assist (HBA), Hydraulic Brake Assistant (Special Methods 2), Hydraulic System Bleed, Hydraulic System Release Pressure, Hydraulic Unit Disconnecting Valve Adjustment, Hydraulic Unit Intake Valve Adjustment, Idle Speed Adjustment, Idle Stabilization Deactivated / Active Charcoal Valve Closed, Ignition (Knock Sensor Test - Short Trip), Ignore Compressor Shut-Off Via Engine Control Module, Illumination Parameter String, Immobilizer (Key Adaptation), Immobilizer (Vehicle Data Learning), Immobilizer Status, Inclination Sensor Sensitivity, In-Cylinder Flow Flap 1 Basic Setting, In-Cylinder Flow Flap 2 Basic Setting, Info Menu Display Time Adjustment, Infotainment CAN-Databus, Init E Range Calculation, Init E Range Standard Value, Injector Calibration (Cylinder 1), Injector Calibration (Cylinder 2), Injector Calibration (Cylinder 3), Injector Calibration (Cylinder 4), Inlet Camshaft Timing Control (bank 1), Installation Dynamic Chassis Control (DCC), Installation Lane Assist, Installation Park Steer Assist (PLA), Installation Park Steer Assist, Int Mem Transmit Attempts, Int Mem Transmit Interval, Intake Manifold Runner/Motor Adaptation, Intake Manifold Runner/Motor Reset, Interior Monitoring Data Set, Interior Monitoring Sensitivity, Interior Monitoring, Interior Scan: Deceleration After Comfort Closing, Interior Scan: Max Engine Speed For Standing Engine, Interior Scan: Opening Threshold Sliding Roof, Interior Scan: Opening Threshold Window Lifter, Interior Scan: Speed Threshold, Interior Scans Clamp 15 Break At Active Message, Interior Scans Clamp 15 Retry At Active Message, Internal, Interval Display Service: Resetting, Invalid Position Threshold, Kerb Parking Distance Adjustment, Key FOB Clearing, Key FOB Matching, Key Identification Transponder ID, Key Minder: Delay Reunlocking Tailgate, Key Minder: P Keyless Event Search Holding Time, Key Minder: P Keyless Event Search Retries, Key Position Locating, Keyless Locking Optical Feedback, Keyless Unlocking Optical Feedback, Kick-Down Adaptation, Kiss Point Basic Setting, Knockout Test Mode, Knockout Timer, Knockout Tmr, Lambda Control (Aging Check: Bank 1 Sensor 3), Lambda Control (Aging Check: Bank 1/2 Sensor 1), Lambda Control (Aging Check: Bank 1/3 Sensor 2), Lambda Control (Aging Check: Bank 2 Sensor 1), Lambda Control (Aging

Check: Bank 2/4 Sensor 2), Lambda Control (Catalytic Conversion Test Bank 1), Lambda Control (Catalytic Conversion Test Bank 1/2), Lambda Control (Catalytic Conversion Test Bank 2/4), Lambda Control (Catalytic Converter Thermal Diagnosis Bank 1), Lambda Control (Delta Lambda Bank 1/3), Lambda Control (Delta Lambda Bank 2/4), Lambda Control (Sensor Exchange), Lambda Control (Sensor Readiness - After Catalyst), Lambda Control Shut-Off, Lambda Sensor Ageing (B2 S1) Function. Test, Lambda Sensor Ageing (B2 S2) Function. Test, Lambda Sensor Ageing Bank 1 Sensor 1, Lambda Sensor Ageing Bank 1 Sensor 2, Language, Lat. Accel. Sensor Zero Pos. Calibration, Leak Diagnostic And Secondary Air Injection, Learn Normal Level, Learned Values (Vehicle Data), Learned Values Reset, Leaving Home Activation/Deactivation, Leaving Home Time, Leaving Warning Delay, Leaving-Home Time, LED Dimming Curve First Point 20 Percent Dimming, Left Front Wheel/Height Calibration, Left Rear Wheel/Height Calibration, Level Control System Deactivation / Jack Mode, Lf Shutdown Timeout 2nd Operation, Light Configuration Externally Rear, Light Configuration Other, Light Configuration Outer Front, Light, Lin Bus 1 Control Motor Adaption, Lin Bus 2 Control Motor Adaption, 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) or Coding II(11), Longit. Accel. Sensor Zero Pos. Calibration, Loudness Actuator For Exterior Noise Uds, Loudness Actuator For Structure Borne Sound, Low Beam Response (Terminal 15), Low Beam Response, Low Confidence Threshold, LWR Offset Left, LWR Offset Right, Manual ECall Cancellation Time, Manual ECall Trigger Time, Manufactor Specific Connect App Screening, Material Index, Maximum Compressor Speed At Speed Less Than 15 Km H, Maximum Gateway Response Time, Maximum Mileage to Service, Maximum Speed Limiter, Maximum Time to Service, MCTX Pause For Go / Key Minder, MCTX Pause For Go Authentication, MCTX Pause, MCTX Settling Phase, Media Country Code HMI, Media Country Code, Menu-Driven Configuration, Microphone Sensitivity, MIL Enabling, Mileage (Since Service), Mileage, Mileage/Odometer, Min Receptiontime Vit, Min Time For Terminal 50 Request, Minimal Opening Angle Of Flaps, Minimum Holdtime Ak, Minimum Mileage to Service, Minimum Time to Service, MMI Display Time During Rear Zone Adjustment, MMI Display Time For Quadrologic Functions, MMI Display Time For Temperature Adjustment, Mobile Country Code, Mobile Phone Network Provider Customer Paid, Mobile Phone Network Provider, Most Ring Break Detection, Mounting Parts, Mounting Position Calibration, Move Display To Service Position, Moving Indicator Threshold, Mute Delay, Muting Characteristics Adjustment, NAR Parking Light Deactivation, Natural Gas Pressure Reduction, Navigation System Calibration Reset, 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, NightVision Video Image Shift, Nominal Pressure Line Choice At EOL, Nominal Voltage Dimming, Normalization, NOX Sensor Offset, Nox Storage Catalyst Bank 1, NOx Storage Catalytic Converter Regeneration While Driving, Null Balance Seat Occupied Recognition, Null Balancing Steering Wheel Angle Sensor, Number Of Multiple ZAT Activations To Emergency Shutoff, Number Of Navigation Destinations, Number Of Simultaneously To Be Adapted Keys, Number Of ZAT Activations To DTC, OBD Channel, Off Timer Inside Light Light Module 2, Off Timer Inside Light, Oil Ash Volume (ECM Replacement), Oil Minimum Detection, Oil Quality, Oil Temperature/Level Sensor Installation, Online Service Backend Primary Hostname, Online Service Backend Secondary Hostname, Open Coupling For Car Manufacture, Open Rear Parking Brake (Prior Pad Change/Repair), Open Up Display, Operating And Display Unit 1 Proximity Sensor Basic Adaptation, Operating Element Illumination Test, Optical Illustration, Optical Performance, Outside Temperature Threshold For Activation Of PTC Auxiliary Heater, Overboost (OB)/Overload Operation, Overshoot Time Additional Heating, P A Debouncing Brake Gearbox Can, P A Limit Message Counter, P A Protocol Error Max, P Damping Display, P Dimming Default Pwm, P HMI Display, P K I Offset, P K I, P K P, P N Error P Locked, P Performance Lrh, P Pwm Lrh, P S NWDF

Spg, P T Blinker Err Alarm Clock Hanging Off, P T Blinker Err Flashing Horn Hangs On, P T Blinker Err Gra Hangs Off, P T Blinker Err Gra Hangs On, P T Blinker Err Unplausible, P T Debounce Time Overvoltage, P T Debounce Time Undervoltage, P T Debouncing P Unplausible, P T Debouncing Ride, P T Detection Ride, P T Dimming Caster, P T Err Plaus, P T Ezs Debounce, P T Ezs Err Unplausible, P T Fas Debounce, P T Gra Ea Error, P T Gra Lever Debounce, P T Gra Lever Err El Interruption, P T Gra Lever Err El Short Circuit, P T Gra Lever Err Gra Hangs Off, P T Gra Lever Err Gra Hangs On, P T Gra Lever Err Unplausible, P T Gra Tip, P T Horn Debounce, P T Horn Err Horn Hangs Off, P T Horn Err Horn Hangs On, P T Horn Err Note, P T Horn India Debounce, P T Indicator Gra Debounce, P T Limit V, P T Lin Err Kl15mfl Short Circuit Off, P T Lin Err Kl15mfl Short Circuit On, P T Lin Err Short Circuit, P T Lin Sleepframe Kl15 Off, P T Lrh Interruption Debounce, P T Lrh Regulator I Factor, P T Lrh Regulator I Offset, P T Lrh Regulator P Factor, P T Lrh Regulator Temp Request 1, P T Lrh Regulator Temp Request 2, P T Lrh Regulator Temp Request 3, P T Lrh Short Circuit Debounce, P T P Locks Debounce, P T P Locks Err El Short Circuit, P T P Locks Err Unplausible In Parking Position Off, P T P Locks Err Unplausible In Parking Position On, P T P Locks Err Unplausible Off, P T P Locks Err Unplausible On, P T Plaus Start, P T S Contact Caster, P T Start Delay Lin Kom, P T Target 0, P T Target 1, P T Target 2, P T Turn Signal Blocking Time, P T Turn Signal Debounce, P T Turn Signal Err El Break, P T Turn Signal Err El Short Circuit, P T Turn Signal Err Flashing Horn Hangs Off, P T Turn Signal Err High Beam Hangs Off, P T Turn Signal Err High Beam Hangs On, P T Turn Signal Err Wake-Up Contact On, P T Voltage Lower Threshold Funct, P T Voltage Lower Threshold, P T Voltage Upper Threshold Funct, P T Voltage Upper Threshold, P T Washing Front Bew, P T Wiper Debounce, P T Wiper Err El Interruption, P T Wiper Err El Short Circuit, P T Wiper Err Interval Poti Hangs Off, P T Wiper Err Interval Poti Hangs On, P T Wiper Err Mfa Hangs Ein, P T Wiper Err Mfa Hangs Off, P T Wiper Err Swipe Hangs Off, P T Wiper Err Swipe Hangs On, P T Wiper Err Unplausible, P T Wiper Err Washing Hangs Off, P T Wiper Err Washing Hangs On, P T Wiper Interval Debounce, P T Wiper Winter Position, P T Zss Err Interruption, P T Zss Err Short Circuit A, P T Zss Err Short Circuit Off, P Temp Steering Wheel Heating Off, P Time Temperature Static Lrh, P W Brightness Factor, P W Dimming Offset, P W Limit Detected Mfl Type, P Wash Warning, Pad Thickness, Parameter Animation, Parameter Climatic Comfort For Start / Stop Function, Parameter Defogging For Start / Stop Function, Parameter Evaporator Dew Point Sailing Function, 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 Hmi, Parameter Read Adaptation, Parameters Water Mass Sailing Function, Parental Management Level Reset, Parking Aid Deactivation Speed, Parking Brake Function Test, Parking Brake Initialisation, Parking Brake Release (Brake Pedal), Parking Brake Release (Message), Parking Brake Release (Seatbelt), Parking Steering Assistant Cut-In Speed Adj., Particulate Filter Regeneration, Passenger Detection Multi Contour Seat, Passenger Seat Occupation Recognition Sensor Deactivation, Passive Entry Exit: Control By Pulling The Door Handle During Active DSL Timeout, Passive Entry Exit: Entry Request E Sliding Door Active Time, Passive Entry Exit: Minimum Activity Time Locking Sensor, Passive Entry Exit: PARA T TIMOUT PROXIMITY ENTRY, Passive Entry Exit: T ACT OP 2, Password Customer Paid Connection, Path, Pdm Defragmentation, Personalization (Key 1), Personalization (Key 2), Personalization (Key 3), Personalization (Key 4), Personalized Settings User Account 1 Name, Personalized Settings User Account 1, Personalized Settings User Account 2 Name, Personalized Settings User Account 2, Personalized Settings User Account 3 Name, Personalized Settings User Account 3, Personalized Settings User Account 4 Name, Personalized Settings User Account 4, Personalized Settings User Account 5 Name, Personalized Settings User Account 5, Personalized Settings User Account 6 Name, Personalized Settings User Account 6, Personalized Settings User Account 7 Name, PLA Dev Msg, PLA Minimum Speed Limitation, Platform Identifcation, 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, Position Distance, Post Test Registration Time, Potentiometer And Flap Alignment, Potentiometer Flap Motor Alignment, Power Adjustable Steering Column Control Module Basic Setting, Power Steering Control Module Adaptation, Power Sunroof Control Module Basic Setting, Powertrain CAN-Databus, Pre-Glow Period, Pressure Accumulator Preload Pressure, Pressure Reduction, Production Mode, Production Process Data 1, Production Routine Blower Regulation, Production Routine Blower Voltage, Production Routine Nominal Temperature Inside, Production Routine Rear Blower Voltage, Program Sensor Code, Protection CAN Wakeup, Protection RH850 WakeUp, Proximity Sensor: Comfort Exit Enlargement, Proximity Sensor: Duration Of Proximity Signal, Proximity Sensor: Lower Limit Proximity Pulse, Proximity Sensor: Lower Limit Pulse, Proximity Sensor: Max Vehicle Speed For A Standing Vehicle, Proximity Sensor: Max. Intermission Length Diagnostic, Proximity Sensor: Max. Length Of Diagnostic Pulse, Proximity Sensor: Max. Length Of Entry Pulse, Proximity Sensor: Max. Length Of Exit Pulse, Proximity Sensor: Max. Length Of Signal Hall Sensor, Proximity Sensor: Max. Pulse Length Of Proximity Pulse, Proximity Sensor: Max. Pulse Length, Proximity Sensor: Max. Signal Length, Proximity Sensor: Max. Tolerance Data Bit Length, Proximity Sensor: Min Vehicle Speed For A Driving Vehicle, Proximity Sensor: Min. Engine Speed For A Running Engine, Proximity Sensor: Min. Length Of Diagnostic Pulse, Proximity Sensor: Min. Length Of Entry Pulse, Proximity Sensor: Min. Length Of Exit Pulse, Proximity Sensor: Min. Tolerance Data Bit Length, Proximity Sensor: SP X2, Proximity Sensor: SP X3, Proximity Sensor: SP X4, Proximity Sensor: SP X5, Proximity Sensor: SP X6, Proximity Sensor: SP X7, Proximity Sensor: Time Power On, Proximity Sensor: Timer Value For Exit Reverse Option BCM: Par T Comfort Conversation, Proximity Sensor: Timer Value For Exit Reverse Option, Proximity Sensor: Turn Off Limit From Battery Manager, Proximity Sensor: Upper Limit Intermission Length, Pump Calibration, PWM To Level Scaling Factor Front, PWM To Level Scaling Factor Rear, Quantity Comparison, Quick Quiescent Current Analysis, Quickstart - Reset Of Adaption Values, Rain/Light Sensor Setup, Rain/light Sensor: Adapting, Read And Write Of Oil Aging Values, Read Injector Codes, Readiness Code (Automatic "End Of Line" Check), Readiness Test, Rear Axle Full Deceleration Adjustment, Rear Axle SPECIFIED Pressure Comfort, Rear Axle SPECIFIED Pressure Fully Loaded, Rear Axle SPECIFIED Pressure Partially Loaded, Rear Axle SPECIFIED Pressure Standard, 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 Brake Adaptation, Rear Lid Opening Sender Application Data Identification, Rear Lid Opening Transmitter 1 AS, Rear Lid Opening Transmitter 1 Burst Length, Rear Lid Opening Transmitter 1 Timer 1, Rear Lid Opening Transmitter 1 Timer 2, Rear Lid Opening Transmitter 1 Timer 3, Rear Lid Opening Transmitter 1 Timer 4, Rear Lid Opening Transmitter 1 Timer 5, Rear Lid Opening Transmitter 1 Treshold 1, Rear Lid Opening Transmitter 1 Treshold 2, Rear Lid Opening Transmitter 1 Treshold 3, Rear Lid Opening Transmitter 1 Treshold 4, Rear Lid Opening Transmitter 1 Treshold 5, Rear Lid Opening Transmitter 1 Vref, Rear Lid Opening Transmitter 2 AS, Rear Lid Opening Transmitter 2 Burst Length, Rear Lid Opening Transmitter 2 Timer 1, Rear Lid Opening Transmitter 2 Timer 2, Rear Lid Opening Transmitter 2 Timer 3, Rear Lid Opening Transmitter 2 Timer 5, Rear Lid Opening Transmitter 2 Timers 4, Rear Lid Opening Transmitter 2 Treshold 1, Rear Lid Opening Transmitter 2 Treshold 2, Rear Lid Opening Transmitter 2 Treshold 3, Rear Lid Opening Transmitter 2 Treshold 4, Rear Lid Opening Transmitter 2 Treshold 5, Rear Lid Opening Transmitter 2 Vref, Rear Lid Opening Transmitter Checksum, Rear Lid Opening Transmitter Comparisson, Rear Lid Opening Transmitter Cycle Protection Activ Treshold, Rear Lid Opening Transmitter Cycle Protection Deactiv Treshold, Rear Lid Opening Transmitter Cycle Protection Decrement Interval, Rear Lid Opening Transmitter Cycle Protection Decrement Value, Rear Lid Opening Transmitter Cycle Protection Increment Value, Rear Lid Opening Transmitter Duration Sensor Request, Rear Lid Opening Transmitter Fusion Timer A1, Rear Lid Opening Transmitter Fusion Timer A2, Rear Lid



Opening Transmitter Vehicle Type, Rear Lid Power Opening Control Unit Checksum, Rear Lid Power Opening Control Unit Data Set Version, Rear Lid Power Opening Control Unit Duration Status Request, Rear Lid Power Opening Control Unit Foot Gesture Detection Evaluation, Rear Lid Power Opening Control Unit Foot Gesture Detection Timer Value 1, Rear Lid Power Opening Control Unit Foot Gesture Detection Timer Value 2, Rear Lid Power Opening Control Unit Play Protection Decrement Interval, Rear Lid Power Opening Control Unit Play Protection Decrement Value, Rear Lid Power Opening Control Unit Play Protection Increment Value, Rear Lid Power Opening Control Unit Reset All Counters, Rear Lid Power Opening Control Unit Threshold Play Protection Active, Rear Lid Power Opening Control Unit Threshold Play Protection Inactive, 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 Parameter, 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 Parameters, 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 Lid Power Opening Control Unit Vehicle Type, 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 Brake Adaptation, Rear Right Wheel/Height Calibration, 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, Redial Time Call Initiation, Redial Time Dropped Call, Redial Time Free Line, Reduced Application Force For Auto Hold Up And Downhill Swell, Reduced Current For Transponder ID Request, Reference Channel Delay, Reference Point Production, Referencing LKL1, Referencing LKL2, Reload Pressure Sensor Identification, Remote Clock, Remote Control Adaptation, Remote Control Erasing, Remote Control Matching, Remote Control Rear Lid Operating Time, Remote Door Unlock Door Status Update Delay, Remote Speed Alert Minimum Speed Limit, Remote Start Nominal Temperature, Remote Start Temperature Seat Heating, Remote Start Temperature Seat Ventilation, Remote Start Window Heating Temperature, Remote Vehicle Disabling Maximum Speed Limit, Remote Vehicle Disabling Minimum Clamp 15 Off Time, Remote Vehicle Tracking Position Timeout, Replace Control Unit: Transfer Configuration, Reset Adaptation Parameters, Reset Adaption To Factory Setting, Reset Adaption Value, Reset Adaption Values Potentiometers In Vents, Reset All Counters, Reset Battery Charging Profiles, Reset Battery Charging Timer, Reset Clutch Values, Reset Clutch Wear, Reset Control Unit, Reset Counter For Mechanical Stress, Reset Dead Reckoning Calibration, Reset DPF Differential Press. Sensor Adapt., Reset DVD Juvenile Release Password, Reset Emergency Battery History, Reset Energy Management Counter, Reset Exhaust Flap Control Module, Reset Factory Defaults, Reset Frequency Counter, Reset Fuel Pressure Adaptation, Reset Headlight Regulation Counter, Reset Highest Appeared Brake Temperature, reset lock sensors, Reset Master Slave Assignment, Reset

Of Adaption Value Current Linearization, Reset Of Adaption Value EDL Closed, Reset Of Adaption Value EDL Open, Reset Of Adaption Values Gear Box, Reset Of Adaption Values Oil Ageing, Reset of Adaption Values, Reset of Adjustment/Calibration Values, Reset Of All Adaptions, Reset Of All Air Condition Counters, Reset Of All Counters, Reset Of Central Signal Processing Adaption Values, Reset Of ECU In Delivery State Of Manufacturer, 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 Steering Support Adaption Values, Reset Of The Reversible Overcurrent Cutoff, Reset Of Tick Learner, Reset Of Tire Not Fixed Detection Adaption Values, Reset Of Zero Point Brake Pedal Position Sender, Reset Particulate Filter Adaption Values, Reset Plug-in Cycles of Charging Socket, Reset Side Window Blind Normalisation Driver Rear, Reset Side Window Blind Normalisation Passenger Rear, Reset Standardization, Reset Start Inhibit Due To Lack Of AdBlue, Reset Stored Temperature Measured Values, Reset Temperature Model, Reset To Factory Setting, Reset To Factory Settings, Reset Wheel Calibration, Reset Window Regulator Adaption Driver Side Front, Reset Window Regulator Adaption Driver Side Rear, Reset Window Regulator Adaption Passenger Side Rear, Reset Window Regulator Normalisation Driver Side Front, Reset Window Regulator Normalisation Driver Side Rear, Reset Window Regulator Normalisation Passenger Side Rear, Resetting Of Service-Interval Display, Retract Display, Reversing Threshold Driver Side Front, Reversing Threshold Driver Side Rear, Reversing Threshold Passenger Side Rear, Right Front Wheel/Height Calibration, Rka Reset Dynamic Data, RKA Simulation Mode, RLE Simulation Mode, Roller Test Stand Mode, Roll-Over Bars Deactivation, Roll-Over Bars Trigger Counter Reset, Roof Blind Go To Service Position, Roof Blind Normalisation, Roof Blind Reset Normalisation, Roof Crash Detection Speed Limit, Roof Roller Blind Basic Setting, Roof Shade Control Module Adaptation, Roof Shades Basic Setting, RPM Threshold Engine Running, RTM Request Cycle Time, Safe Con?rmation, Scan Error Time, Scan Procedure: Current Limiting On Under Voltage At Go Protocol, Scan Procedure: Cycle Convenience Coverage Limiting, Scan Procedure: Number Of Repeats, Scan Procedure: P Keyless Event Search Retries Pause, Scan Procedure: Timeout Authentication Result, Scan Procedure: Timeout Control, Scan Procedure: Timeout ID Transmitter Ready To Receive After LF Error Combination, Scan Procedure: Timeout ID Transmitter Ready To Receive After LF Error Go, Scan Procedure: Timeout LF Repetition, Scan Velocity Threshold, ScanProcedure: Timeout Entry Response, ScanProcedure: Timeout Response, Screen Wiper Motor: Adapting, SDARS Preactivated Subscription, Seat Heating Power Stage 2 To 1 Reduct. Time, Seat Heating Power Stage 3 To 2 Reduct. Time, Seat Occupied Recognition Control Module Basic Setting, Seat Occupied Recognition Reset, Seat Occupied Recognition, Seatbelt Warning, Security Access (16) Adaptation (10) / Long Adaptation (0A), Security Access(16) Basic Settings (04), Select Characteristics Curve, Selective (Single) Door Locking, Selector Lever Basic Setting, Self Leveling Suspension Calibration to Determine Axle Load, Self-Levelling Suspension Activation, Self-Levelling Suspension Calibration Reset, Self-Levelling Suspension Calibration, Self-Levelling Suspension Deactivation Permanent, Self-Levelling Suspension Deactivation, Sensor Plausibility Enabling, Sensor Unit Zero Position Compensation, Serial Tracing, Service Early Warning In Days, Service Early Warning Prediction, Service Key Clear Data, Service Light Reset, Service Range, Service Reminder, Service Reminder: Distance to Inspection "INSP 01", Service Reminder: Distance to Oil Service "OIL", Service Reminder: Max. Distance to Inspection "INSP 01", Service Reminder: Max. Distance to Oil Service "OIL", Service Reminder: Max. Time to Inspection "INSP 02", Service Reminder: Time to Inspection "INSP 02", Servo Pump Load Calibration, Set Actuator Volume, Set AdBlue Tank Level To "Full", Set And Reset Parking Brake Motor Piston, Set Development Mode Minimum Speed Limitation, Set Number 2 For Info Call, Set Number 2 For Service Call, Set Number For Info Call, Set Number For Service Call, Set Number Of Wheel Counting Impulse, Set Number Roaming For Info Call, Set Number Roaming For Service Call, Set Pay TMC, Set PLA WPCA Car Corr Factor Development, Set PLA WPCA Min Change

Limit Development, Settime Trigger Entry Vehicle, Settime Trigger Exit Vehicle, Setting Center Chest Vents At Voice Control, Showroom Effect, Shut Down AP, Shutdown Wait Time, SIA: Service Time SIA, SIA: Service Track SIA, SID Maximum Mileage To Next Oil Service, SID Maximum Time To Next Oil Service, Side Marker Lights, Side Window Blind Normalisation Driver Rear, Side Window Blind Normalisation Passenger Rear, Sliding Roof Basic Setting, Sliding Sunroof Basic Setting, Sliding Sunroof Go To Service Position, Sliding Sunroof Normalisation, Sliding Sunroof Reset Normalisation, SLWR Counter Left, SLWR Counter Right, SMS Call Delay, Softgab In, Softgab Out, Softgap Down, Soot Entry, Softgab Up, Special ID PQ25 Calibration, Specified Pressure Front Axle 1, Specified Pressure Front Axle 2, Specified Pressure Front Axle 3, Specified Pressure Line Selection At EOL, Specified Pressure Rear Axle 1, Specified Pressure Rear Axle 2, Specified Pressure Rear Axle 3, Specified Tire Pressure at Full Load (Front Axle), Specified Tire Pressure at Full Load (Rear Axle), Specified Tire Pressure at Partial Load (Front Axle), Specified Tire Pressure at Partial Load (Rear Axle), Speed Adaptation Of Coolant Pump, Speed limit Maneuver Situation, Speed Shutoff Threshold Compressor Run In, Speed Threshold 1, Speed Threshold 2, Speed Threshold 3, Speed Threshold For Driving Cycle Detection, Speed Threshold For Moving Vehicle Detection, Speed Threshold For Start Request Plausibility, Speed Threshold For Terminal 15 Emergency Shutoff, Speed Threshold, Speed Value For Testing Mode, Standard Dimming Value ZAT, Start Brake Pad Replacement Mode, Start of Injection, Starting Conditions, Starting Torque Calibration, Starting Vibration Reduction Adjustment, Start-Up Coolant Circuits Filling, Start-Up Refrigerant Circuit Filling, Start-Up Refrigerant-And Coolant Circuits Filling, Startup Screen Sticker HMI, Static Calibration Routine Overrun, Static Calibration Routine, Stationary DPF Regeneration, Statistic Phev Mileage, Steer To Center Position, Steering Angle Initialization, Steering Angle Sender - Reset Zero Point, Steering Angle Sender - Set Zero Point, Steering Angle Sensor Alignment, Steering Angle Sensor Basic Setting, Steering Angle Sensor Calibration, Steering Angle Sensor, Steering Assist Without Engine Running, Steering Assistance Level Adjustment, Steering Column Basic Setting, Steering Wheel Angle Correction For Steering Wheel Deviation Production, Steering Wheel Angle Sensor Adaptation, STH Post Heating Time Duration, Stop Limit Of Potentiometers In Vents, Stop Routine Coolant Circuit Filling Flushing, Stop Routine Refrigerant Circuit Filling Flushing, Stop Value Of Potentiometers In Vents, Storing Air Recirculation Function After Terminal 15 Off, Structure-Borne Noise Volume Adjustment, SuFK Developement Massage, Sun Roof Basic Setting, Sun Shade Basic Setting, Sunroof Control Module/No Basic Setting, Sunroof Shade Control Module Basic Setting, Swap Function Activate, SWaP Function Crypt Data ID, SWaP Function Transfer Crypt Data, Swirl Flap Basic Setting, Switch-Off Delay (Low Beam), System Data Part 11 Rear, System Data Part 12 Rear, System Data Part 14 Rear, System Data Part 7, System Data Part 8, System Parameters Part 10 Rear, System Shut-off, System Test Turbo Charger Bypass Flap, Tail Light Dimming, Take Back Of The Reversible Crash Cutoff, Tank Characteristic (Additional Functions), Tank Characteristic (Dry Calibration), Tank Characteristic (Fuel Level Sensor 1), Tank Characteristic (Fuel Level Sensor 2), Tank Characteristic (Fuel Level Sensor), Tank Characteristic (Full Calibration), Tank Characteristic (Not Detectable Tank Volume), Tank Characteristic (Wet Calibration), Target Soc Production Mode, Telephone Basic Volume, Telephone Handset Connect, Temperature Clamping After Evaporator, Temperature Compressor For Speed Increase, Temperature Reference, Temperature Threshold For Activation Of Auxiliary Heater, Terminal 61 Function Enabling, Terminal S Timeout, Test Mode End Distance, Test Mode Trigger Time, Test Registration Period, Thermal Load, Throttle Body Alignment, Throttle Body, Throttle Valve Adaption, Throttle Valve Basic Setting, Throttle Valve Control Module Adaptation, Throttle Valve Control Module Reset, Tilt Sensor Sensitivity, Time For Compressor At Terminal 15 On, Time For Neck Heating Power Reduction Level 2 To Level 1, Time For Neck Heating Power Reduction Level 3 To Level 2, Time For Seat Heating Power Reduction In Highest Level, Time For Seat Heating Power Reduction Level 2 To Level 1, Time For Seat Heating Power Reduction Level 3 To Level 2, Time Frame VIP Kick Forecast, Time Sensor Power Off

Group 2, Time Setup (Hour), Time Setup (Minute), Time Since Inspection, Time since Service, Time To Drive Cycle Detection, Time To Ignore Ignition Trigger, Time To ZAT Open Circuit Detection, Time To ZAT Short Circuit Fault Detection, Time ZAT Actuation Detection, Time ZAT Lock After Emergency Shutoff, Time ZAT Lock After Normal Shutoff, Time, Time, Hour, Time, Minute, Timeframe Request Immobilizer Terminal Approval, Timeout Convenience Coverage Limiting, Timeout Trigger Terminal Deactivation Central Locking, Timer Sporadic MOST Open Circuit, Tire Diameter, Tire Pressure Adaptation, Tire Pressure Control Monitoring, Tire Pressure Monitoring System (Tpms) Reset, Tire Pressure Monitoring System Configuration, Toggle Offtime Other Door Handle, Toggle Offtime Same Door Handle, Tolerance Band Of Basic Adjustment Flap End Stops, Tolerance Band Of Flap End Stops, Tolerance Compressor Speed In Compressor Inlet, Tolerance Compressor Speed In Normal Service, Tolerance Range For Flap End Stops, Tolerance Time For Compressor Speed Variance, Torque Limitation, Torque Steer Compensation (TSC), Total Consumption, Touchpad Illumination Test, Tourist Solution, TPM Individual Specified Pressure Adjustment, Tracking Assistant Activation Request, Tracking Assistant Check Contract Duration, Tracking Assistant Program Driver Cards, Tracking Assistant Self Test, Tracking Assistant Send Test Message, Trailer Stabilization Enabling, Trailer Stabilization, Transfer Configuration, Transmission Grade (Front Window), Transmission Ratio Engine Air Conditioner Compressor, Transmission Ratio Of AC Compressor, Transmission Ration Engine Air Conditioner Compressor, Transmission Type, Transport/Service Mode, Transportation Mode, Travel/Tourist Mode, Trigger CAN Speed, Turbo Charger Boost Control Reset, Turbo Charger Boost Control Solenoid Adaptation, Turbocharger Basic Setting, Turn Signal Dimming, Turn Signals in Side Rear View Mirror, Tyre Pressure Sensor Adaptation, 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, Unrestricted Addressing Of Actuator Motors, Uphill Assist Gradient Threshold, Upper Limit Of Air Regulation Downstream Of Evaporator, User Profile Name Customer Paid Connection, User Profile Name, User Profile Password, V Limit KL30 Disconnect, Vacuum Level / Hydraulic Brake Booster (HBO/HBV), Vacuum Pump For Brake System, Vacuum Pump Test (Short Trip), Variant Encoding, Variants Reduction, Vehicle Equipment Code And Production Number Combination, Vehicle Excess Length, Vehicle Excess Width, Vehicle Health Report, Vehicle Identification Number Programming, Vehicle Identification Number Provisional, Vehicle Identification Number, Vehicle Length Adjustment, Vehicle Mileage Challenge Adaptation, Vehicle Not Cooling, Vehicle Not Heating, Vehicle Road Curb Distance, Vehicle Width Adjustment, Vent ESP Hydraulic System, Visual Comfort Operating/Closing Confirmation, Visual Display Adjustment, Visual Feedback When Locking/Unlocking, Visual Locking Confirmation, Voice Output Basic Volume, Voice Output External Emergency Speaker, Voltage Monitoring: Overvoltage Delta, Voltage Monitoring: Overvoltage For KESSY ECU, Voltage Monitoring: Overvoltage For Keyless Go, Voltage Monitoring: Overvoltage Jumpstart 2 Delta, Voltage Monitoring: Undervoltage Delta, Voltage Monitoring: Undervoltage For KESSY ECU, Voltage Monitoring: Undervoltage For Keyless Go, Voltage Monitoring: Undervoltage Jumpstart 1 Delta, Volume Of Fuel Tank, Volume Offset, Volume with Convertible Top Open, VW ECU Hardware Version Number, Warning Lamp Enabling, Warning Lamp Test, Wheel / Tire Description, Wheel Alignment, Wheel Base, Wheel Circumference Adjustment, Wheel Circumference, Wheel Set Selection, Wheel/Height Calibration Confirmation, Wind Deflector Denormalisation, Wind Deflector Normalisation, Wind Deflector Original Position, Wind Deflector Service Position, Window Condensation Parameter For Start/Stop Function, Window Regulator Adaption Driver Side Front, Window Regulator Adaption Driver Side Rear, Window Regulator Adaption Passenger Side Rear, Window Regulator VW Settings Driver Side Rear, 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 2, Wiper Motor Control Unit Data Set 3, Wiper Motor Control Unit Data Set 4, Wiper Motor Control Unit Data Set, Wiper Setup, WIV: Distance From Inspection, WIV: Max Value Km Mileage / Inspection, WIV: Max Value Of Time Between Inspections, WIV: Min Value Of The Time Between The Inspections, WIV: Min. Km Driving Performance / Inspection, WIV: Russian Entry, WIV: Thermal Load, WIV: Time From Inspection, WIV: Total Consumption, Write Configuration, Write Injector Codes, Write Key Content, ZAT Clamp 58xt Signal Factor, ZAT Clamp 58xt Signal Offset, ZAT First Case Time High Low State, ZAT First Rise Time Low High State, ZAT Init Value, ZAT Motor Signal Timer 1, ZAT Motor Signal Timer 2, ZAT Nominal Voltage, ZAT Post Carridge During Clamp 15 Off, ZAT Pwm Offset 1 Lower Limit, ZAT Pwm Offset 2 Lower Limit, ZAT Pwm Peak1 Upper Limit, ZAT Pwm Peak2 Upper Limit, ZAT Second Case Time High Low State

### **1965 new Actuation type special tests:**

1000W PTC Auxiliary Air Heater, 3rd Brake Light, 5th Camera Activation Request Control Value 1, A/C Clutch Relay Control Circuit, A/C Compressor Engagement, A/C Compressor Regulator Valve, ABS Motor, ABS Return Flow Pump Control Value On OFF, ABS Return Flow Pump VW Local Control State, AC Compressor Control Valve, Ac/heat Output Test, Acc Button Led, Acoustic Check Of Loudspeaker Channel 1 Test, Acoustic Check Of Loudspeaker Channel 10 Test, Acoustic Check Of Loudspeaker Channel 11 Test, Acoustic Check Of Loudspeaker Channel 12 Test, Acoustic Check Of Loudspeaker Channel 13 Test, Acoustic Check Of Loudspeaker Channel 14 Test, Acoustic Check Of Loudspeaker Channel 15 Test, Acoustic Check Of Loudspeaker Channel 16 Test, Acoustic Check Of Loudspeaker Channel 17 Test, Acoustic Check Of Loudspeaker Channel 18 Test, Acoustic Check Of Loudspeaker Channel 19 Test, Acoustic Check Of Loudspeaker Channel 2 Test, Acoustic Check Of Loudspeaker Channel 20 Test, Acoustic Check Of Loudspeaker Channel 21 Test, Acoustic Check Of Loudspeaker Channel 22 Test, Acoustic Check Of Loudspeaker Channel 23 Test, Acoustic Check Of Loudspeaker Channel 24 Test, Acoustic Check Of Loudspeaker Channel 3 Test, Acoustic Check Of Loudspeaker Channel 4 Test, Acoustic Check Of Loudspeaker Channel 5 Test, Acoustic Check Of Loudspeaker Channel 6 Test, Acoustic Check Of Loudspeaker Channel 7 Test, Acoustic Check Of Loudspeaker Channel 8 Test, Acoustic Check Of Loudspeaker Channel 9 Test, Acoustic feedback buzzer - Chime, Acoustic feedback Chime, Acoustic feedback of the turn signal, Acoustic Gong, Acoustic Signal Sensor, Activate Anti-Theft Alarm, Activate ESP System/Function Test, Activation Emergency Brake, Activation Jerky Braking Movement, Activation Of Anti Theft Alarm System Control Value, Activation Of Parking Spot Search Park Assist Control Value, Actuate Vehicle Front Left Control Value Onoff, Actuate Vehicle Front Right Control Value Onoff, Actuate Vehicle Rear Left Control Value, Actuate Vehicle Rear Right Control Value Onoff, 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 Ri Emb (2), Actuation Ri Emb, Actuation Rr Emb (2), Actuation Rr Emb, Actuation Vacuum Pump1, Actuation Vacuum Pump2, Actuator 1 For engine noise generation Control Value, Actuator B-pillar foot left rear flap position, Actuator B-pillar foot right rear flap position, Actuator For Structure-Borne Sound Control Value, Actuator For Structure-Borne Sound, Actuator Structure-Borne Noise, Actuator Test LED Bar Control Value Frequency, Actuatoric Test Actuationtime, Actuatoric Test Control Value Actuationtime, Actuatoric Test Control Value Delaytime, Actuatoric Test Delaytime, Add Highbeam Test Controlstate Data 2, Additional Air Heating Control Value On Off, Additional Air Heating Input Output Control Parameter, Additional Air Heating VW Common Control State, Additional Air Heating, Additional Heater Activation Test Control Value, Additional Heater Activation Test Input Output Ctrl Parameter, Additional Light Functions Test Control Value, Additional Main Beam Test Control Value, Adjust Mirror Inward, Adjustable Rear Spoiler Indicator Light Test Control Value, Adopt.of Unfiltered Ambient Temp., 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 Cond Performance Tst Fr And Rr VW Com Ctrl St, Air Condit. Compressor Actuation, Air Condition Compressor Activation Control Value On Off, Air Condition Compressor Activation Input Output Ctrl Parameter, Air Condition Compressor Activation Setpoint, Air Condition Compressor Activation VW Common Control State, Air Condition Compressor Activation, Air Conditioner Compressor Regulating Valve Test Control Value, Air Conditioner Performance Test Control Value On Off, Air Conditioner Performance Test Input Output Control Parameter, Air Conditioner Performance Test VW Common Control State, Air Conditioner Performance Test, Air Dist Flap Front Ctrl Motor Input Output Control Parameter, Air Distribution Flap Front Control Motor Footwell Setpoint, Air Distribution Flap Front Control Motor Setpoint, Air Distribution Flap Rear Control Motor Control Value On Off, Air Distribution Flap Rear Control Motor Setpoint, Air Distribution Front Control Motor Control Value On Off, Air Distribution Front Control Motor Setpoint, Air Flap Actuator, Air Flap Range/Tolerance Limits, Air Flow Flap Control Motor, Air Flow Flap Positioning Motor Control Value On Off, Air Flow Flap, Air Recirculation Flap Control Motor, Air Recirculation Flap Positioning Mot VW Com Ctrl St, Air Recirculation Flap Positioning Motor Control Value On Off, Air Recirculation Flap Positioning Motor Setpoint, Air Spr Additional Vol Vlv 1 Actuation Tst Ctrl Val Onoff, Air Spr Additional Vol Vlv 2 Actuation Tst Ctrl Val Onoff, Air Spr Additional Vol Vlv 3 Actuation Tst Ctrl Val Onoff, Air Spr Additional Vol Vlv 4 Actuation Tst Ctrl Val Onoff, Air Supplementary Heating, Air Suspension Compressor Relay, Air Suspension Valve Front Left, Air Suspension Valve Front Right, Air Suspension Valve Rear Left, Air Suspension Valve Rear Right, Airflow Vlv Ctrl Hyb Batterie Airflow Vlv Tar Pos, Alarm Horn Test Control Value, Alarm Horn, 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, Analog Clock, Analog display for fuel supply, Analog Display For Rotational Speed, Analog Display For Speed, Analog Indicators, Analog Instruments, Analogue display for coolant temperature VW Com Ctrl St, Analogue display For speed, 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, Anti-Theft Device, Antn Pow Adjustment Loop Test VW Common Ctrl State Trans Power, Anzeigetest Sitzheizungsstufe Hinten LED-Anzeige Sitzheizung Hi, 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, Area Center Console Rear Left Control Value, Area Center Console Rear Right Control Value, arial at bumper for access and start authority-activate, arial at luggage space for access and start authority-activate, arial driver side for access and start authority-activate, arial passenger side for access and start authority-activate, arial 1 in cabin room for access and state authority-activate, arial 2 in cabin room for access and state authority-activate, ASR/ESP Control Lamp, Assembly Mountings Actuators, Auto-Hold Function Lamp (Activation), Auto-Hold Indicator Lamp, Auto-Lock/Unlock for Rear Lid, Automatic Activation Of All Control Motors Control Value On Off, Automatic Calibration Headlamp Test Mode Control Value, Automatic Day Night Exterior Mirror Test Control Value, Auxiliary Air Heating Controlled Test Control Value On Off, Auxiliary Air Heating Test Control Value, Auxiliary Coolant Pump Relay,

Auxiliary Fuel Pump Relay, Auxiliary Heater Heater Element, Axle Differential Lock Check Control Value Open Close, Backlight Control Value Backlightonoff, Backlight Control Value, Backrest Heating Fond Left Control Value On Off, Backrest Heating Fond Right Control Value On Off, Back-Up Lights Left, Back-Up Lights Right, Back-Up Lights, Balacing Mode Cell 1 Balancing, Balacing Mode Cell 2 Balancing, Balacing Mode Cell 3 Balancing, Balacing Mode Cell 4 Balancing, Bank 1 Camshaft A (Intake) Position Actuator, Bass Speaker Front Left Control Value, Bass Speaker Front Left, Bass Speaker Front Right Control Value, Bass Speaker Front Right, Bass Speaker Front, Bass Speaker Rear Left Control Value, Bass Speaker Rear Right Control Value, Battery Capacity Display Test, Belt Feeding Device Test Control Value, Belt Indicator Lamp, Blinker Rear Left, Blinker Rear Right, Blinkers Bulb Front Left, Blinkers Bulb Front Right, Blinkers, Blower Activation Control Value On Off, Blower Activation Input Output Control Parameter, Blower Activation Setpoint, Blower Activation tension, Blower Front Intervallbetrieb, Blower Front Setpoint, Blower Rear Intervallbetrieb, Blower Rear Setpoint, Boost Pressure Control Solenoid Valve, Brake Indicator Lamp, 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 By ECD, Brake Light Left, Brake Light Right, Brake Light Test Control Value, Brake Light, Brake Lights, Brake Pedal Appliance Control Value Brake Light Activation, Brake Pedal Appliance Control Value PAR Control, Brake System Warning Lamp Brake System Warning Lamp, Brake System Warning Lamp, Brake Wear Indicator Lamp, Bumper Light Rear Left, Bumper Light Rear Right, Button Automated Driving Lighting 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 Control Value, Button Indicator Light Test Indicator Lights, Button Lighting, Buzz Test Control Value, Buzz Test, cabin room scan keyminder, cabin room scan transponder id request, Cabin Room Scan Keyminder Control Cyclic On Off Time, Cabin Room Scan Keyminder Timeparameter, Cabin Room Scan Transponder Id Request Timeparameter, Cabn Room Scan Trans ID Req Ctrl Cyclic On Off Time, Camera Heating Control Value, Camera Shutter, Camshaft Adjustment, CAN-Powertrain: Sleep Acknowledge Bit (Terminal 15 OFF), CD/DVD Ejection, 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, Center Console Area Front Left Control Value, Center Midrange/Treble Speaker, Center Speaker Control Value, Center Speaker, Central Flap Control Motor, Central Flap Positioning Motor, Central Locking Aerial Diagnosis Control Value, Central Locking Front Control Actuation Time, Central Locking Front Control Start Parameter, Central Locking Indicator Lamp, Central Locking Indicator Light Test Control Value, Central Locking Motors, Central Locking Rear Control Actuation Time, Central Locking Rear Control Start Parameter, 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, Rear Lid, Central Locking System: Close, Central Locking System: Open, Central Locking Test Control Value, Central Locking Unlock Doors Control Value, Central Locking: Lock, Central Locking: Unlock, Central Vents Control Motor, Centre Left Vent Positioning Motor Control Value On Off, Centre Right Vent Positioning Motor Control Value On Off, Centre Vent Positioning Motor Control Value On Off, Charge Flap Lock A Control Value Connector Locking, Charge Flap Lock B Control Value Connector Locking, Charging Con A

Ind Lights Tst Ctrl Val Con Lck, Charging Con A Lck Tst Ctrl Val Con Lck, Charging Con B Ind Lights Tst Ctrl Val Con Lck, 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 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 Ctrl Value Connector Locking, Charging Cur DC DC Converter Ctrl Val Set Charging Cur DCDC, Check DPF Ash Load, Check Link With Server, Child Lock Indicator Light Left, Child Lock Indicator Light Right, Child Safety Lock, Childproof Lock Test Control Value, Childproof Lock, Close Sliding Roof Signal, Close Sun Blind, Close Sunroof, Close Windows and Roof Signal, Clutch 2 For All Wheel Drive, Clutch Actuator Value, Clutch Valve 2 For Four-Wheel Drive, Clutch Valve For Four-Wheel Drive, Cold Air Flap Control Motor Front, 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, Compression Test, Compressor (driver Side Multi-Contour Seat), Compressor (passenger Side Multi-Contour Seat), Compressor For Multi Contour St Dr Sd Actuation Test Ctrl Value, Compressor Level Control Relay, Compressor Run-In/Cooling Check, 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 for two-wheel and handbrake VW Com Ctrl St, Control Head Function Lamp (Activation), Control KL 30G Control Value, Control lamp For belt warning, Control lamp for brake pad, Control lamp For dual-circuit and handbrake system, Control lamp for fuel reserve, Control lamp for oil level, Control lamp for oil pressure, Control lamp for overheating, Control lamp For parking brake, Control lamp for pre-glow time, Control lamp for wash water shortage, Control Line For Dynamic Flashing Light Test Control Value, Control Module Cooling Fan, 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 Position Confirmation, Control Position Front Left, Control Position Front Right, Control Position Rear Left, Control Position Rear Right, Control Supply Voltage Vip, Control Unit Cooling Fan Control Value On Off, Control Unit For Fragrancing System Test Control Value, Control Valve Rear Axle Control Value On OFF, Control Wheel Pressure Wheel Pressure, Control Wheel Pressure Wheel, 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, Cool Pmp For Lo Temp Circuit Act Tst Inp O-P Ctrl Parameter, Cool Pmp Lo Temp Cir Act Tst Ctrl Val On Off, Cool Pump For Lo Temp Circuit Actuator Test Ctrl Value On Off, Coolant Change Over Valve 3 Test Control Value On Off, Coolant Change Over Valve 5 Test Control Value On Off, Coolant Circulation Pump 2 Test Control Value On Off, Coolant Circulation Pump 2 Test Input Output Control Parameter, Coolant Circulation Pump 3 Control Value On Off, Coolant Circulation Pump 3 Input Output Control Parameter, Coolant Circulation Pump Control Value 1, Coolant Circulation Pump Control Value On Off, Coolant Circulation Pump Control Value, Coolant Circulation Pump Input Output Control Parameter, Coolant Circulation Pump, Coolant Fan Control Circuit 1, Coolant Fan Control Module, Coolant Fan, Coolant Pump Control Circuit, Coolant Pump Control HV Batterie Pump Duty, Coolant Relay High-Output Preheating, Coolant Relay Low-Output Preheating, Coolant Shut-Off Valve Control Value, Coolant Shut-Off Valve, Coolant Temperature Gauge, Coolant Valve 1 Test Control Value On Off, Coolant Valve 2 Test Control Value On Off, Coolant Valve 3 Test Control Value On Off, Coolant Valve 4 Test Control Value On Off, Coolant Valve 5 Test Control Value On Off, Coolant Valve 6 Test Control Value On Off, Coolant Valve 7 Test Control Value On Off, Coolant Valve Test Control Value On Off, Cooling Fan 1 Control Circuit, Cooling Fan Control Circuit, 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, Cruise Control Indicator Lamp Control Value, Cruise Control Indicator Lamp, Cruise Control Switch Illumination Bulb Control Value, 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, Current Reduced Laser Light Control Control Value, Curve Lighting Warning Light, Cutoff Valve 1 Refrigerant Test Input Output Control Parameter, Cutoff Valve 1 Refrigerant Test VW Common Control State, Cutoff Valve 1 Refrigerant Test, Cutoff Valve 2 Refrigerant Test Input Output Control Parameter, Cutoff Valve 2 Refrigerant Test VW Common Control State, Cutoff Valve 2 Refrigerant Test, Damper Front Left (Hard), Damper Front Left (Soft), Damper Front Right (Hard), Damper Front Right (Soft), Damper Rear Left (Hard), Damper Rear Left (Soft), Damper Rear Right (Hard), Damper Rear Right (Soft), Damper Valve Current Front Left Control Value Current, Damper Valve Current Front Right Control Value Current, Damper Valve Current Rear Left Control Value Current, Damper Valve Current Rear Right Control Value Current, 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 Light Test 2 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, Daytimerunninglight Test Controlstate Data 2, Defined Segment Control Matrix Headlamp Left Control Value, Defined Segment Control Matrix Headlamp Left, Defined Segment Control Matrix Headlamp Right Control Value, Defined Segment Control Matrix Headlamp Right, Defrost Flap Control Motor, Defroster Button Indicator Light Test Control Value, Defroster Flap Control Motor Control Value On Off, Defroster Flap Control Motor Input Output Control Parameter, Defroster Flap Control Motor Setpoint, Defroster Flap Control Motor, Designlight Test Controlstate Data 2, Diesel Particle Filter Indicator Lamp, 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 Left Static Cornering Lighting Dimming Target Value, Dimming Lt Static Cornering Lighting Ctrl Value Dimming Target, Dimming Lt Static Corng Lightng Ctrl Val Dimming Tar, Dimming Right Static Cornering Lighting Control Value, Dimming Right Static Cornering Lighting Dimming Target Value, Dimming Rt Static Cornering Lighting Ctrl Value Dimming Target, Dimming Rt Static Corng Lightng Ctrl Val Dimming Tar, Dimming Terminal 58t Control Value On Off, Dimming Terminal 58T, Dipped Beam, Direction Indicator Left, Direction Indicator Right, Display 1, Display and Operating Unit Front, Display For Lane Departure Warning Control Value, Display Road Sign In Dash Panel Insert Control Value, Display Road Sign In Dash Panel Insert, Display Test 1 Control Value Display, Display Test 1 Display, Display Test 2 Control Value Display, Display Test 2 Display, Display Test 3 Control Value Display, Display Test 5 Display, Display Test Ctrl Unit Dash Panel Insert Control Value Display, Display Test Retractable 1 Display State, Display Test Retractable 1 Retractable Display, Display Test Retractable 2 Display State, Display Test Retractable 2 Retractable Display, Display Test, Display Test, Text, Display: Black Segments, Display: Red Segments, 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 Exterior Handle Switch Control Motor Test Control Value, Door Handle Control On, Door Illumination Front Actuation Time, Door Illumination Front Start Parameter, Door Illumination Rear Actuation Time, Door Illumination Rear Start Parameter, door knob electronics door behind right check, door knob electronics driver side check, door knob electronics passenger side check, Door Knob Electronics: Door Behind Left Check, Door Warning Light, Doors Not Closed Signal, Double Bass Speaker 1 Front Left Control Value, Double Bass Speaker 1 Front Right Control Value, Double Bass Speaker 2 Front Right Control Value, Double Subwoofer Speaker 1 Control Value, Double Subwoofer Speaker 2 Control Value, Doubler Bass Speaker 2 Front Left Control Value, Dr Hazard Warn At Danger Coli Wt A Person Tst Ctrl Val, Driv.side Window Lifter, Closing, Driv.side Window Lifter, Opening, Driver Assistance Systems CAN-Extended Separator, Driver Hazard Warning At Danger Of Collision With A Person Test, Driver Side Multi-Contour Seat: Functional Test, 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, DTC 01486 ESP Function Test, Dynamic Cornering Light: Adjust to Steering Angle Dependent Pos, Dynamic Cornering Light: Adjusting to Center Position, Dynamic Cornering Light: Adjusting to Inner Position, Dynamic Cornering Light: Adjusting to Outer Position, Dynamic Cornering Light: Position Left, Dynamic Cornering Light: Position Right, Dynamic Headlight Range Control Test Control Value, Dynamic Light Function Test Control Value, 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, Elec Air Cond Comp Tst VW Com Ctrl St, Elec Air Conditioner Compressor Test Inp Output Ctrl Parameter, Electrical Air Conditioner Compressor Test Control Value On Off, Electrically Adjustable Steering Column Test Control Value, EMC Mode Flap Control Motors Test Control Value On Off, EMC Mode Flap Control Motors Test VW Common Control State, EMC Mode Flap Control Motors Test, EMC Mode Flap Ctrl Motors Test Input Output Control Parameter, Emc Test Mode, Emergency Brake Signal Control State, Emergency Brake Signal Control Value On OFF, Emergency Brake Signal VW Local Control State, Emergency Call Establishment Test Control Value, Emergency Call System: Functional Test, Emergency Call System: Manual Emergency Call, Emergency Flashers Control Lamp, Emergency Flashers Indicator Lamp, Enabling For External Systems Test Control Value, Eng Sound Generation Tst Tone Ctrl Val Chn Selcn, Eng Sound Generation Tst Tone Ctrl Val Frequence Tone Selcn, Eng Sound Generation Tst Tone Ctrl Val Frequence Tone Selection, Eng Sound Generation Tst Tone Ctrl Val Vol Selcn, Engine Compartment Light, Engine Components Voltage Supply Relay, Engine Mount 1 Control Value, Engine Mount 1, Engine Mount 2 Control Value, Engine Mount 2, Engine Overheating Warning Lamp, Engine Sound Generation Test Tone Ctrl Value Channel Selection, Engine Sound Generation Test Tone Ctrl Value Volume Selection, Enrgy Consumer Switchoff Ctrl Val Cen Lck Rr Rt, Entry And Start Authorisation Aerials Diagnosis Control Value, Entry Exit Scan At Back Control Cyclic On Off Time, Entry Exit Scan At Back Timeparameter, Entry Exit Scan At Back, Entry Exit Scan At Driver Door Control Cyclic On Off Time, Entry Exit Scan At Driver Door Timeparameter, Entry Exit Scan At Driver Door, Entry Exit Scan At Passenger Door Control Cyclic On Off Time, Entry Exit Scan At Passenger Door Timeparameter, Entry Exit Scan At Passenger Door, 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, Erweiterte Stellglieddiagnose ABS Pump Motor (2), Erweiterte Stellglieddiagnose ABS

Pump Motor, Erweiterte Stellglieddiagnose Front Left ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Front Left ABS Inlet Valve, Erweiterte Stellglieddiagnose Front Left ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Front Left ABS Outlet Valve, Erweiterte Stellglieddiagnose Front Right ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Front Right ABS Inlet Valve, Erweiterte Stellglieddiagnose Front Right ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Front Right ABS Outlet Valve, Erweiterte Stellglieddiagnose Rear Left ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Rear Left ABS Inlet Valve, Erweiterte Stellglieddiagnose Rear Left ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Rear Left ABS Outlet Valve, Erweiterte Stellglieddiagnose Rear Right ABS Inlet Valve (2), Erweiterte Stellglieddiagnose Rear Right ABS Inlet Valve, Erweiterte Stellglieddiagnose Rear Right ABS Outlet Valve (2), Erweiterte Stellglieddiagnose Rear Right ABS Outlet Valve, Erweiterte Stellglieddiagnose TC ISO 1 Valve (2), Erweiterte Stellglieddiagnose TC ISO 1 Valve, Erweiterte Stellglieddiagnose TC ISO 2 Valve (2), Erweiterte Stellglieddiagnose TC ISO 2 Valve, Erweiterte Stellglieddiagnose TC Supply 1 Valve (2), Erweiterte Stellglieddiagnose TC Supply 1 Valve, Erweiterte Stellglieddiagnose TC Supply 2 Valve (2), Erweiterte Stellglieddiagnose TC Supply 2 Valve, ESP Road Test, ESP Test, ESP-Data (Brake), ESP-Data (Variants), EVAP Leak Detection Pump Sense Circuit, EVAP System Purge Control Valve, Example Input Output Identifier Controlstate, Exhaust Gas Recirculation Cooler Switch-Over Valve, Exhaust Gas Recirculation Cooling Switch-Over Valve, Exhaust Gas Recirculation Valve, Exhaust Pressure Control Valve, Extend Mirror, Extender Module Test Control Value, Exterior Ambient Lighting, Exterior Light Entire Test Control Value, Exterior Lighting, Exterior Mirror Automatic Dimming, Fail Safe Light Test Control Value, FAN 1 2 Test Controlstate Data 2, Fan 1 Control Circuit, FAN 1 Test Controlstate Data 2, FAN 2 Test Controlstate Data 2, FAN 3 Test Controlstate Data 2, FAN 4 Test Controlstate Data 2, Fan Control 1 Control Value On Off, Fan Control 1 Input Output Control Parameter, Fan Control 2 Control Value On Off, Fan Control 2 Input Output Control Parameter, Fan Control Relay Test Control Value On Off, Fan Control, Fill Pressure Lines, Flap Def FL Intervallbetrieb, Flap Def FL Klappenposition, Flap Dif Mid FL Intervallbetrieb, Flap Dif Mid FL Klappenposition, Flap Dif Mid FR Intervallbetrieb, Flap Dif Mid FR Klappenposition, Flap Distrib BL Intervallbetrieb, Flap Distrib BL Klappenposition, Flap Distrib BR Intervallbetrieb, Flap Distrib BR Klappenposition, Flap Floor FL Intervallbetrieb, Flap Floor FL Klappenposition, Flap Floor FR Intervallbetrieb, Flap Floor FR Klappenposition, Flap Head Up Display Test Control Value, Flap Lim BL Intervallbetrieb, Flap Lim BL Klappenposition, Flap Lim BR Intervallbetrieb, Flap Lim BR Klappenposition, Flap Mid BL Intervallbetrieb, Flap Mid BL Klappenposition, Flap Mid BR Intervallbetrieb, Flap Mid BR Klappenposition, Flap Mid FL Intervallbetrieb, Flap Mid FL Klappenposition, Flap Mid FR Intervallbetrieb, Flap Mid FR Klappenposition, Flap Pers Mid BLH Intervallbetrieb, Flap Pers Mid BLH Klappenposition, Flap Pers Mid BLV Intervallbetrieb, Flap Pers Mid BLV Klappenposition, Flap Pers Mid BRH Intervallbetrieb, Flap Pers Mid BRH Klappenposition, Flap Pers Mid BRV Intervallbetrieb, Flap Pers Mid BRV Klappenposition, Flap Pers Mid FLH Intervallbetrieb, Flap Pers Mid FLH Klappenposition, Flap Pers Mid FLV Intervallbetrieb, Flap Pers Mid FLV Klappenposition, Flap Pers Mid FRH Intervallbetrieb, Flap Pers Mid FRH Klappenposition, Flap Pers Mid FRV Intervallbetrieb, Flap Pers Mid FRV Klappenposition, Flap Pers Side FLH Intervallbetrieb, Flap Pers Side FLH Klappenposition, Flap Pers Side FLV Intervallbetrieb, Flap Pers Side FLV Klappenposition, Flap Pers Side FRH Intervallbetrieb, Flap Pers Side FRH Klappenposition, Flap Pers Side FRV Intervallbetrieb, Flap Pers Side FRV Klappenposition, Flap Ram Air FL Intervallbetrieb, Flap Ram Air FL Klappenposition, Flap Recirc B Intervallbetrieb, Flap Recirc B Klappenposition, Flap Recirc F Intervallbetrieb, Flap Recirc F Klappenposition, Flap Side FL Intervallbetrieb, Flap Side FL Klappenposition, Flap Side FR Intervallbetrieb, Flap Side FR Klappenposition, Flap Temp BL Intervallbetrieb, Flap Temp BL Klappenposition, Flap Temp BR Intervallbetrieb, Flap Temp BR Klappenposition, Flap Temp FL Intervallbetrieb, Flap Temp FL Klappenposition, Flap Temp Floor FL Intervallbetrieb, Flap Temp Floor FL Klappenposition, Flap Temp Floor FR Intervallbetrieb, Flap

Temp Floor FR Klappenposition, Flap Temp FR Intervallbetrieb, Flap Temp FR Klappenposition, Flap Temp Mid B Intervallbetrieb, Flap Temp Mid B Klappenposition, 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 Light, Left, Fog Light, Right, Fog Lights Rear Left, Fog Lights Rear Right, Fog Lights Rear, Fog Lights, Fog-Lamps Bulb Left, Fog-Lamps Bulb Right, Footwell Flap Control Motor Left, Footwell Flap Control Motor Right, Footwell Flap Positioning Motor Actuation Control Value On Off, 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 Front, Footwell Lights Rear, Footwell Lights, Footwell Vent Positioning Motor Rear, Fr Wash Pmp Ctrl Heat Wip Arms Tst Ctrl Val, Fr.left Damper Adj.val.curr. Hard, Fr.left Damper Adj.val.curr. Soft, Fr.rght.damper Adj.val.curr. Hard, Fr.rght.damper Adj.val.curr. Soft, Fresh Air - Air Recirculation - Air Flow Flap Ctrl Mot Setpoint, Fresh Air Blower Front, Fresh Air Blower Rear Tension, Fresh Air Blower, Fresh Air Flap Positioning Motor Control Value On Off, Front Acoustic Signal Frequency, Front Acoustic Signal Volume, Front Axle Damper Ventilation/Bleeding, Front Axle Damper Ventilation/Filling, Front Axle Torque Request, Front Centre Console Ambient Light 1, Front DS Door Trim Ambient Light., Front Fog Lights, Front Footwell Lighting, Front Fresh Air Blower, 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 Air Spring Valve, Front Left Turn Signal Indicator Lamp 2, Rear Left Indicator La, Front Lid Release Motor Control Value, Front Parking Aid Loudspeaker Control Value, Front Parking Aid Loudspeaker VW Common Control State, Front Parking Aid Loudspeaker, 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 Air Spring Valve, Front Right Center Console Area Control Value, Front Right Turn Signal Indicator Lamp 2, Rear Right Indicator, 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, Frs Air - Air Recirculation - Air Flow Flap Ctrl Mot Inp O-P Co, Frs Air - Air Recirculation - Air Flow Flap Ctrl Mot Setpoint, Frs./air Rec/air Flw.fl.ctrl.mot., Fuel Injector 1, Fuel Injector 2, Fuel Injector 3, Fuel Injector 4, Fuel Level Display, Fuel Pressure Reduction, Fuel Pressure Regulator Valve, Fuel Pump Electronics Signal Line, Fuel Pump Relay Control Circuit, Fuel Pump Relay, Fuel Pump, 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 Fun Lamp For Autohold Button, Function Lamp For Autohold Button, Function Lamp Parking Brake Button, Function Lamps (Deactivation), 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 (w/o Reverse Gear), Function Test All Valves Control Value On Off, Function Test All Valves Input Output Control Parameter, Function Test Ebkv Stage, Further Function Lights, FV Safe State Simulation Control Value, Gear Selection Value 1, Gear Selection Value 2, Gear Selection Value 3, Gearbob Hydraulic Pump, Generator: Speci?ed Generator Voltage 10.6 V, Generator: Speci?ed Generator Voltage 15.0 V, Glovebox Unlocking Motor, Glow Plug Control Module, Glow Plug Indicator Light, Glow Plug Pre-Heat Indicator, Glow Plug Relay, Gong, Green Function Lamp Control State, Green Indicator Lamp Control Value On Off, Green Indicator Lamp For Lane Departure Warning Control Value, Green Indicator Lamp For Lane Departure Warning, Haldex

Trans Act Ctrl Val Haldex Trans Act, Hat Shelf Speaker, 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, Headlamp Fan 1 Test Control Value, Headlamp Fan 2 Test Control Value, Headlamp Fans Test Control Value, Headlamp Left High Beam Segment Control Test Control Value, Headlamp Left Low Beam Segment Control Test Control Value, Headlamp Pos. Left Vert. Bottom, Headlamp Pos. Left Vert. Center, Headlamp Pos. Left Vert. Top, Headlamp Pos. Right Vert. Bottom, Headlamp Pos. Right Vert. Center, Headlamp Pos. Right Vert. Top, Headlamp Right High Beam Segment Control Test Control Value, Headlamp Right Low Beam Segment Control Test Control Value, Headlight Left Power Supply Test Control Value, Headlight Range Control: Adjusting to Delivery Position, Headlight Range Control: Adjusting to Lowered Position, Headlight Range Control: Adjusting to Raised Position, Headlight Range Control: Adjusting to Specified Position, Headlight Right Power Supply Test Control Value, Headlight Washer Pump, Headlight Washer System, Headlight Washer Test Control Value, Heat Regulation Valve Left, Heat Regulation Valve Right, Heated Front Window Indicator Light Test Control Value, Heated Front Window Test Control Value, Heated Rear Window Activation, Heated Rear Window Indicator Light Test Control Value, Heated Rear Window Test Control Value, Heated Rear Window, Heated Seat Front Left, Heated Seat Front Right, Heated Seat Level 2 to 1 Reduction Time, Heated Seat Level 3 to 2 Reduction Time, Heated Seat Thumb Wheel Temp Setting 2, Heated Seat Thumb Wheel Temp Setting 3, Heated Steering Wheel Activation Control Value, Heated Steering Wheel, Heated Steering Wheel, Activation Control Value LRH, Heated Steering Wheel, Activation, Heated Windscreen Relay Test Control Value, Heated Windshield, Heated Wiper Rack Test Control Value, Heated Wiper Rack Test Input Output Control Parameter, Heating Element Door Test Control Value Heating Element 1 Door, Heating Element Door Test Control Value Heating Element 2 Door, Heating Test Control Value, High Beam Test Control Value, High Beam, High Pressure Valve Rear Axle Control Value On OFF, High Voltage Heater Test Control Value On Off, High Voltage Heater Test Input Output Control Parameter, High Voltage Heater Test, High-Beam Headlight, Left, High-Beam Headlight, Right, Highbeam Test Controlstate Data 2, High-Beams Bulb Left, High-Beams Bulb Right, High-Output Coolant Preheat Relay, Highside Channel 1 Test Control Value, Highside Channel 2 Test Control Value, Highside Channel 3 Test Control Value, Highside Channel 4 Test Control Value, Highside Channel Test Control Value, Hill Descent Assist Indicator Light Test Control Value, Hill Hold Control (HHC), Hill Hold Control Button Led, Hill Hold Control Indicator Lamp, Horn Relay, Horn, Htd Str Wheel, Act Inp O-P Ctrl Parameter, 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 Battery Charge/discharge Current, Hv Battery: Fan Actuation, Hv Battery: Vent Flap 1, Hv Battery: Vent Flap 2, HVAC Test, Hyb EV Bat Pack Cool Ctrl Vlv A Tst Ctrl Val On Off, Hyb EV Bat Pack Cool Ctrl Vlv B Tst Ctrl Val On Off, Hyb EV Bat Pack Cool Ctrl Vlv B Tst Inp O-P Control Parameter, Hyb EV Bat Pack Cool Ctrl Vlv C Tst Ctrl Val On Off, Hyb EV Battery Pack Cool Ctrl Valve A Test Control Value On Off, Hyb EV Battery Pack Cool Ctrl Valve B Test Control Value On Off, Hyb EV Battery Pack Cool Ctrl Valve C Test Control Value On Off, Hydraulic Pump Hydraulic Pump, Ign Ky Withdrawal Lock, Act VW Com Ctrl St, Ignition Key Removal Lock, Illum Op And Disp Tst Ctrl Val On Off, Illum Op And Disp Tst VW Com Ctrl St, Illum Telephone Op Functional Illum Op, Illumination Control Value, Illumination Operating And Disp Unit Test VW Common Ctrl State, Illumination Operating And Display Unit Test Ctrl Value On Off, Illumination Periodic Signal Control Value, Illumination Selector Lever Position Display Unit Data, Illumination, Inclination Sensor Indicator Light, 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 Rr Tilting

Sunroof Tst Ctrl Val On Off, Ind Lmp Strt St Op Or Elec Dr Tst Ctrl Val, Indicator Lamp Auto Hold Control Value, 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 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, Indirect Ventilation Flap Control Motor, Indirect Ventilation Flap Motor Setpoint, Individual Segment Control Matrix Headlamp Control Value, Individual Segment Control Matrix Headlamp, 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 Function Lamp (Activation), Instrument Cluster Lamp Test, Instrument Cluster Red Malfunction Lamp (Activation), Instrument Cluster Yellow Malfunction Lamp (Activation), 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, Intake Manifold Flap, Intake Manifold Runner, Interior Aerial 1 For Entry And Start System Diag Ctrl Value, Interior Aerial 2 For Entry And Start System Diag Ctrl Value, Interior Ambient Lighting, Interior And Function Lighting, Interior Door Handle Illumination, Interior Illumination, Interior Light Dimming Test Control Value, Interior Lighting (Terminal 30), Interior Lighting, Interior Lights Dimming (Terminal 58d), Interior Lights Dimming, Interior Monitoring Indicator Light Test Control Value, Interior Monitoring Indicator Light, Interior Monitoring System Indicator Lamp, Interior Monitoring Vehicle Type, Interior Rear Light, Interior Temp Sensor Fan, Internal Blower Control Control Value Fan Level, Internal Blower Control Control Value On Off, Internal Blower Control Fan Level, Internal Blower Control, Ionisator Front Ionisator Aus-An, Ionisator Rear Ionisator Aus-An, Ioniser Test Control Value, Ionizer Test Control Value, Keyless Antennas: Access/start Authorization, Lamp For Signature Light Left Power Supply Test Control Value, Lamp For Signature Light Right Power Supply Test Control Value, Lamp Test, Lamps For Vent Illumination Test Control Value, Lane Change Assist Warning Lamp In Driver Side Exterior Mirror, Lane Change Assist Warning Lamp In Front Pass Side Ext Mirror, Lane Change Assist Warning Lamp Instrument Cluster, Lane Change Assist Warning Lamp, Lane Chng Asst Warn Lmp In Lt Extrior Mir Ctrl Val On Off, Lane Chng Asst Warn Lmp In Lt Extrior Mir Ctrl Val, Lane Chng Asst Warn Lmp In Rt Extrior Mir Ctrl Val, Lane Chng Asst Warn Lmp Inst Clus Ctrl Val, Lane Departure Warning Indicator, Lck Elec Act Ctrl Val Haldex Trans Act, Idle speed, Le. Dayt.driv./side Light Led Power Mod., LED Channel 1 Test Control Value, LED Channel 2 Test Control Value, LED Channel 3 Test Control Value, LED Channel 4 Test Control Value, LED Door Opening Alert Test Control Value, Led Headlamp Power Module Left Power Supply Test Control Value, Led Headlamp Power Module Right Power Supply Test Control Value, Led Wiper Switch, LED-Ring Of Adaptive Cruise Control, Left Cornering Light: Dimming, Left Daytime Driving Light Bulb 2, Left Daytime Driving Light, Left Daytime Driving/side Light, Left Footwell Flap Positioning Motor Control Value On Off, Left Head Area Heating, Left Indirect Ventilation Flap Motor Control Value On Off, Left Main Beam Screen, Left Rear Light, Left Rear Upper Body Vent Motor Control Value On Off, Left Side Light/dayt. Driv. Light Bulb 2, Left Side Light: 1, Left Side Light: 2, Left Side Vent Motor Control Value On Off, Left Temperature Flap Control Motor Control Value On Off, Left Temperature Flap Control Motor Setpoint, Left Temperature Flap Ctrl Motor Input Output Control Parameter, Left Window Defroster Flap Positioning Motor Ctrl Value On Off, Lens Heater Control Value, Level/Suspension Control Relay, License Plate Light, License-Plate Lights, Lift Sunroof, Light Control Module Left Power Supply Test Control Value, Light Control Module Right Power Supply Test Control Value, Light Dist Left

Headlamp Ctrl Value Light Distribution Target, Light Dist Lt Headlamp Ctrl Val Light Dist Tar, Light Dist Lt Headlamp Light Dist Tar Val, Light Dist Right Headlamp Ctrl Value Light Distribution Target, Light Dist Rt Headlamp Ctrl Val Light Dist Tar, Light Dist Rt Headlamp Light Dist Tar Val, Light Dist Rt LED Headlamp Ctrl Val Light Dist Tar, Light Distribution Left Headlamp Control Value, Light Distribution Left Led Headlamp Control Value, Light Distribution Right Headlamp Control Value, Light Distribution Right Led Headlamp Control Value, Lighting/Illumination, LIN Heck-PTC Kanal A Control State, LIN Heck-PTC Kanal B Control State, Line diagnostics Control Value, LKL1 Actuator Diagnosis Control Value LED, LKL2 Actuator Diagnosis Control Value LED, Load Management, Lock Solenoids For Selector Lever Data, Logic Channel 1 Test Control Value, Logic Channel 2 Test Control Value, Loudspeaker Test Acoustic Loudspeaker Test Channel Selection, Loudspeaker Test Acoustic Test Frequency, Loudspeaker Test Acs Ctrl Val Loudspeaker Test Chn Selection, Loudspeaker Test, Low Beam Entire Control Value, Low Beam Lamp Left, Low Beam Lamp Right, Low Beam Re?ector Motor Left, Low Beam Re?ector Motor Right, Low Beam Shutter Left Test Control Value, Low Beam Shutter Right Test Control Value, Low Beams (Left/Right), Lowbeam Test Controlstate Data 2, Lower Beam Left Test Control Value, Lower Beam Right Test Control Value, Lower Beam Test Control Value Side Selection, Lower Beam Test Control Value Start Parameter, Lower Beam Test Control Value, Lower Vehicle Front Left Control Value Onoff, Lower Vehicle Front Right Control Value Onoff, Lower Vehicle Rear Left Control Value, Lower Vehicle Rear Right Control Value Onoff, Low-Output Coolant Preheat Relay, Lt B-Pillar And Footwell Shut Off Flap Motor Ctrl Value On Off, Lt B-Pillar And FW Shut Off Flap Mot Ctrl Val On Off, Lt Footwell Temperature Flap Positioning Mot Ctrl Value On Off, Lt FW Temp Flap Positioning Mot Ctrl Val On Off, Lt Win Defroster Flap Positioning Mot Ctrl Val On Off, 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, Luggage Compartment Illumination Front Test Control Value, Luggage Compartment Light Test Control Value, LWR Position Test Controlstate Data 2, Magnetic Clutch For Air Condition Control Value, Magnetic Clutch For Air Condition Input Output Ctrl Parameter, Magnetic Clutch For Air Condition Setpoint, Magnetic Clutch For Air Condition VW Common Control State, Magnetic Clutch For Air Condition, Main Beam Activation Control Value, Main Beam Activation, Main Beam Left Test Control Value, Main Beam Right Test Control Value, Main Beam Test Control Value Side Selection, Main Beam Test Control Value Start Parameter, Main Beam, Malfunction Indication Light, Malfunction Indicator Lamp, Manoeuvre Light Request Control Value 1, Matrixbeam Test Control Value, Maximum Cooling Output, Maximum Heat Output, Maximum Heater Output, Maximum Refrigerating Output, Mechanical System Display Unit 1, Microphone Test, Midrange Speaker Front Left Control Value, Midrange Speaker Front Left, Midrange Speaker Front Right Control Value, Midrange Speaker Front Right, Midrange Speaker Front, Midrange Speaker Rear Left Control Value, Midrange Speaker Rear Left, Midrange Speaker Rear Right Control Value, Midrange Speaker Rear Right, Midrange/Woofer Loudspeaker Rear Left, Midrange/Woofer Loudspeaker Rear Right, Midrange/Woofer Loudspeaker Rear, Mirror Adjusting Motor, Mirror Adjustment Move Down Actuation Time, Mirror Adjustment Move Down Start Parameter, Mirror Adjustment Move Left Actuation Time, Mirror Adjustment Move Left Start Parameter, Mirror Adjustment Move Right Actuation Time, Mirror Adjustment Move Right Start Parameter, Mirror Adjustment Move Up Actuation Time, Mirror Adjustment Move Up Start Parameter, Mirror Adjustment Test Control Value, Mirror Dimming Control Value, Mirror Folding (In) Motors, Mirror Folding (Out) Motors, Mirror Folding Control Actuation Time, Mirror Folding Control Control Value, Mirror Folding Control Start Parameter, Mirror Folding Motor, Mirror Function Test, Mirror Heater, Mirror Heating Control Actuation Time, Mirror Heating Control Control Value, Mirror Heating Control Start Parameter, Mirror Heating, MMI Display Request, Temperature Driver, Mmi Display Temp. Setting Actuat., Move Headlamp Vertically Test Control Value, Move Left Headlamp Horizontally Control Value, Move Left Headlamp Horizontally Horizontal Target Positon, Move Left Headlamp Horizontally, Move Left Headlamp Vertically Control Value Vertical Position, Move Left

Headlamp Vertically Control Value, Move Left Headlamp Vertically Vertical Positon, Move Left Headlamp Vertically, Move Lt Headlamp Horizontally Ctrl Val Horizontal Tar Pos, Move Lt Headlamp Horizontally Ctrl Val Horizontal Tar Position, Move Lt Headlamp Vertically In Mm Dev Vert Positon, Move Right Headlamp Horizontally Control Value, Move Right Headlamp Horizontally Horizontal Target Positon, Move Right Headlamp Horizontally, Move Right Headlamp Vertically Control Value Vertical Position, Move Right Headlamp Vertically Control Value, Move Right Headlamp Vertically Vertical Positon, Move Right Headlamp Vertically, Move Rt Headlamp Horizontally Ctrl Val Horizontal Tar Pos, Move Rt Headlamp Horizontally Ctrl Val Horizontal Tar Position, Move Rt Headlamp Vertically In Mm Dev Vert Positon, Multi Contour Seat Driver Side System Function Test Ctrl Value, Multi Contour Seat Passenger Side System Fun Test Ctrl Value, Multi Contour St Dr Sd Sys Fun Tst Ctrl Val, Multi Contour St Pass Sd Sys Fun Tst Ctrl Val, Multifunction Steering Wheel, Dimming, Multimedia Operating Unit: Contour Lighting, Mute Entertainment, Near Field Communication Antenna Test Control Value, Neck Heating Left Control Value, Neck Heating Right Control Value, Normal Level Enabling, Oil Level Warning Lamp, Oil-Pressure Indicator Lamp, Online Service Transmiss. Config., Op And Disp A-C Rr Haptic FB Tst Ctrl Val, Op And Disp A-C Rr Speaker Tst Ctrl Val, Op And Disp Units For Air Conditioning Speaker Test Ctrl Value, Open Sun Blind, Open Sunroof, Operating And Display Units For A-C Speaker Test Control Value, Operating Unit Button Illuminat., Operating Unit Illumination, 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, Parallel Parking Assistance Indicator Lamp, Park Assist Activation Of Partner Control Units Control Value, 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, Park Lck Sol Tst Ctrl Val ENUM Park Lck Sol, Parked Wiper And Washer let Heating Test Control Value, Parking Aid Activation Control Value, Parking Aid Activation VW Common Control State, Parking Aid Activation, Parking Aid Button Indicator Light Test Control Value 1, Parking Aid Button Indicator Light Test, Parking Aid Button, (control Lamp): Actuation, Parking Aid Warning Chime Front, Parking Aid Warning Chime, Parking Aid Warning Lamp Control Value, Parking Aid Warning Lamp VW Common Control State, Parking Aid Warning Lamp, Parking Aid, Loudspeaker, Parking Aid: Activation, Parking Assistant Indicator Lamp, Parking Assistant Warning Lamp Control Value, Parking Assistant Warning Lamp, Parking Brake Button Led, Parking Brake Close (Activation), Parking Brake Close (Deactivation), Parking Brake Close Left (Activation), Parking Brake Close Right (Activation), Parking Brake Electric Motor Speed, Parking Brake Indicator Lamp, Parking Brake Motor Direction Of Rotation, Parking Brake Motor Maximum Current, Parking Brake Motor PWM Pulse Duty Factor 1, Parking Brake Motors Closing Stepwise, Parking Brake Motors 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 Light Test 2 Control Value, Parking Light Test Control Value, Parking Lights LED Module Control Circuit Left, Parking Lights LED Module Control Circuit Right, Parking Lights Left Front, Parking Lights Left, Parking Lights Right Front, Parking Lights Right, Parking Lights, Parking Lock Solenoid Test Parking Lock Solenoid Test, Parking Steering Ass. Indic. Lamp, Parking-Aid Indicator Lamp, Pass Actual Ambient Temp Value Input Output Ctrl Parameter, Pass Actual Ambient Temperature Value Angle Type, Pass Actual Ambient Temperature Value Control Value On Off, Passenger Side Multi-Contour Seat: Functional Test, Permanent Driving Lights Test Control Value, Pilot lamp for pre-glow time, Pixel Error Test, Pixel Failure Test Control Value, Position Front Window Wiper Test Control Value, Positioning Mot Air Recirculation Flap VW Com Ctrl St, Positioning Mot Center Lt Vent Flap VW Com Ctrl St, Positioning Mot Center Rt Vent Flap VW Com Ctrl St, Positioning Mot Indirect Vent Flap VW Com Ctrl St, Positioning Mot Lt FW Flap VW Com Ctrl St, Positioning Mot Lt FW Temp Flap VW Com Ctrl St, Positioning Mot Lt Sd Vent Flap VW Com Ctrl St, Positioning Mot Lt Temp Flap VW Com Ctrl St, Positioning Mot Rr Lt Air Vol Flap VW Com Ctrl St, Positioning Mot Rr Lt Temp Flap VW Com Ctrl St, Positioning Mot Rr Rt Air Vol Flap VW Com Ctrl St, Positioning Mot Rr Rt Temp Flap VW Com Ctrl St, Positioning Mot Rr Temp Flap VW Com Ctrl St, Positioning Mot Rt FW Flap VW Com Ctrl St, Positioning Mot Rt FW Temp Flap VW Com Ctrl St, Positioning Mot Rt Sd Vent Flap VW Com Ctrl St, Positioning Mot Rt Temp Flap VW Com Ctrl St, Positioning Motor For Defroster Flap, Positioning Motor For Fresh Air Flap, Positionlight Test Controlstate Data 2, Power Latching System Short Test Control Value, Power Latching System Test Control Value, Power Sockets Control Test Control Value, Power Supply LMS Left Control Value, Power Supply LMS Right Control Value, Powermeter Display Test, Preheating Indicator Lamp, Premium Testbild 1, Premium Testbild 2, Premium Testbild 3, Pressure Build-Up, Pressure Memory Test, Pressure Reservoir Check, Pressure Reservoir Ventilation/Bleeding, Pressure Reservoir Ventilation/Filling, Pressure Test, PTC 1500W Setpoint, Pulse-wheel test, Pump 1 Refrigerant Circulation Test Input Output Ctrl Parameter, Pump 2 Refrigerant Circulation Test Input Output Ctrl Parameter, 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, Quiescent Current Analysis, Radiator Fan Actuation 1, Radiator Fan Actuation 2, Radiator Fan Actuation, Radiator fan control 1 start parameter, Radiator fan control 2 start parameters, Radiator Fan, Radiator Shutter Control Control Value On Off, Radiator Shutter Control Input Output Control Parameter, Range Display Test, Read Configuration, Reading Lights, Rear Acoustic Signal Frequency, Rear Acoustic Signal Volume, Rear Air Diffus Positioning Motor Control Value On Off, Rear Air Recirculation Flap Positioning Motor Ctrl Value On Off, Rear Axle Damper Ventilation/Bleeding, Rear Axle Damper Ventilation/Filling, Rear Blower Activation Control Value On Off, Rear Blower Activation Input Output Control Parameter, Rear Blower Activation Setpoint, Rear Dr.side Pw: Closing Signal, Rear Dr.side Pw: Open Signal, Rear DS Door Trim Ambient Light., Rear Fog Light, Rear Footwell Lights, Rear Indicator Lamp, 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 Air Spring Valve, Rear Left Damp.adj.val.curr. Hard, Rear Left Damp.adj.val.curr. Soft, Rear Left Lock Motor, Rear Left Temperature Flap Positioning Motor Ctrl Value On Off, Rear Lid Connection Test Control Value Orientation Value, Rear Lid Power Latching Test Control Value, Rear Light Test Control Value, Rear Parking Aid Loudspeaker Control Value, Rear Parking Aid Loudspeaker VW Common Control State, Rear Parking Aid Loudspeaker, Rear PS Door Trim Ambient Light., Rear Rght.damp.adj.val.curr. Hard, Rear Rght.damp.adj.val.curr. Soft, 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 Air Spring Valve, Rear Right Lock Motor, Rear Right Temperature Flap Positioning Motor Ctrl Value On Off, Rear Roller Blind Test Control Value, Rear Spoiler Indicator Light Test Control Value, Rear Spoiler Position Test Control Value, Rear Spoiler, Rear Sunroof: Close/Lower, Rear Sunroof: Open/Raise, Rear Temperature Flap Positioning Motor Control Value On Off, Rear Washing Test Control Value, Rear Window Heater, Rear Window Roller Blind Motor, Rear Window Washer Pump, Rear Window Wiper Switch Illumination Bulb Control Value, Rear Windshield Unlocking Control Circuit, Rear Wiper, Rear-Window Defogger, Red Function Lamp Control State, Red Indicator Lamp Control Value On Off, Red Warning Lamp Control State, Red Warning Lamp Control Value On Off, Reference Segment Control Matrix Headlamp Control Value, Reference Segment Control Matrix Headlamp, Refrigerant Compressor, Refrigerant Expansion Valve 1 Test Control Value On Off, Refrigerant Expansion Valve 1 Test Input Output Ctrl Parameter, Refrigerant Expansion Valve 2 Test Control Value On Off, Refrigerant Expansion Valve 2 Test Input Output Ctrl Parameter, Refrigerant Expansion Valve 3 Test Control Value On Off, Refrigerant Expansion Valve 3 Test Input Output Ctrl Parameter, Refrigerant Shut Off Valve 1 Test Control Value On Off, Refrigerant Shut Off Valve 1 Test Control Value, Refrigerant Shut Off Valve 2 Test Control Value On Off, Refrigerant Shut Off Valve 2 Test Control Value, Refrigerant Shut Off Valve 3 Test Control Value On Off, Refrigerant Shut Off Valve 3 Test Input Output Ctrl Parameter, Refrigerant Shut Off Valve 4 Test Control Value On Off, Refrigerant Shut Off Valve 4 Test Input Output Ctrl Parameter, Refrigerant Shut Off Valve 5 Test Control Value On Off, Refrigerant Shut Off Valve 5 Test Input Output Ctrl Parameter, Refrigerant Shut Off Valves Dynmc Test Inp O-P Ctrl Parameter, Refrigerant Shut Off Valves Dynmc Tst Comp Pow Lim 1, Refrigerant Shut Off Valves Dynmc Tst Compressor Pow Limitation, Refrigerant Valves Supply Voltage Test Control Value On Off, Regulating Flap Control Unit / Motor, 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 Balance Control Soundposition, Remote Freq Selection DAB Band III Ctrl Value Freq DAB Band 3, Remote Frequency Selection AM Frequency AM, Remote Frequency Selection DAB Band III Frequency DAB Band 3, Remote Frequency Selection DAB Band L Frequency DAB L Band, Remote Frequency Selection FM Control Value Frequency FM, Remote Frequency Selection FM Frequency FM, Remote Set AF Control Value State, Remote Set AF State, Remote Set Bass Sound Settings, Remote Set DAB Announcement Control Value Alarm, Remote Set DAB Announcement Control Value Area Weather Flash, Remote Set DAB Announcement Control Value Event Announcement, Remote Set DAB Announcement Control Value Financial Report, Remote Set DAB Announcement Control Value News Flash, Remote Set DAB Announcement Control Value Programs Info, Remote Set DAB Announcement Control Value Road Traffic Flash, Remote Set DAB Announcement Control Value Special Event, Remote Set DAB Announcement Control Value Sport Report, Remote Set DAB Announcement Control Value Transport Flash, Remote Set DAB Announcement Control Value Warning Service, Remote Set DAB Linking Control Value Mode, Remote Set DAB Linking Mode, Remote Set DAB Mute Control Value DAB Mute, Remote Set DAB Mute DAB Mute, Remote Set DRC DRC State, Remote Set Dyn ZF State, Remote Set GALA Gala State, Remote Set GALA, Remote Set Hidden Tune Control Value Hidden Tune, Remote Set Hidden Tune Hidden Tune, Remote Set Highcut State, Remote Set Lband L Band Selection, Remote Set Loudness State, Remote Set Loudness, Remote Set Middle Sound Settings, Remote Set Mute Mute State, Remote Set Phase Diversity On Off Tuner, Remote Set Sound Settings Set Bass, Remote Set Sound Settings Set Middle, Remote Set Sound Settings Set Treble, Remote Set TP Control Value State, Remote Set TP State, Remote Set Treble Sound Settings, Remote Source Selection Control Value Source Selection, Remote Source Selection Source Selection, Remote Start Kl 15 Request Control Value, Remote Start Or Pre Conditioning Relay Control Value, Remote Voice Control Control Value Speech Dialog State, Remote Voice Control Speech Dialog State, Remotes KL15-Anfo Von FFB-Einscha (High-P-Ctrl Val, Request Cleaning Laser Scanner

Test Control Value, Reserve Fuel Lamp, Reserved VW Common Control State, Retract Mirror, Reversing Light Test Control Value Side Selection, Reversing Light Test Control Value Start Parameter, Reversing Light Test Control Value, Reversing Light, 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, Ri, Dayt.driv./side Light Led Power Mod., Right B-Pillar And Footwell Shut Off Flap Mot Ctrl Value On Off, Right Cornering Light: Dimming, Right Daytime Driving Light Bulb 2, Right Daytime Driving Light, Right Daytime Driving/side Light, Right Footwell Flap Positioning Motor Control Value On Off, Right Head Area Heating, Right Indirect Ventilation Flap Motor Control Value On Off, Right Main Beam Screen, Right Rear Light, Right Rear Upper Body Vent Motor Control Value On Off, Right Sd Light/dayt. Driv. Light Bulb 2, Right Side Light: 1, Right Side Light: 2, Right Side Vent Motor Control Value On Off, Right Temperature Flap Control Motor Control Value On Off, Right Temperature Flap Control Motor Setpoint, Right Temperature Flap Ctrl Mot Input Output Control Parameter, Right Window Defroster Flap Positioning Motor Ctrl Value On Off, Roller Test Bench Mode, Roof Blind Test Control Value Direction Of Movement, Roof Blinds: Close, Roof Blinds: Open, Roof Contour Lighting Test Control Value, Roof Marker Light, Roof Roller Blind Test Control Value, Rr Air Recirculation Flap Positioning Mot Ctrl Val On Off, Rr Lt Temp Flap Positioning Mot Ctrl Val On Off, Rr Rt Temp Flap Positioning Mot Ctrl Val On Off, Rt B-Pillar And FW Shut Off Flap Mot Ctrl Val On Off, Rt Footwell Temperature Flap Positioning Mot Ctrl Value On Off, Rt FW Temp Flap Positioning Mot Ctrl Val On Off, Rt Win Defroster Flap Positioning Mot Ctrl Val On Off, RTA Warn Signal Control Value, Safe Indicator Light, Safety/Deadbolt Locks Activation, Search Illumination, Search Lighting For Operating Elements Test Ctrl Value On Off, Seat And Surface Heatings Test Control Value, Seat Backrest Fan 1 Left Control Value, Seat Backrest Fan 1 Rear Left Test Control Value, Seat Backrest Fan 1 Rear Right Test Control Value, Seat Backrest Fan 1 Right Control Value, Seat Backrest Fan 2 Left Control Value, Seat Backrest Fan 2 Rear Left Test Control Value, Seat Backrest Fan 2 Rear Right Test Control Value, Seat Backrest Fan 2 Right Control Value, Seat Backrest Heating Left Test Control Value, Seat Backrest Heating Left Test Input Output Control Parameter, Seat Backrest Heating Right Test Control Value, Seat Backrest Heating Right Test Input Output Control Parameter, Seat Cushion Fan 1 Left Control Value, Seat Cushion Fan 1 Rear Left Test Control Value, Seat Cushion Fan 1 Rear Right Test Control Value, Seat Cushion Fan 1 Right Control Value, Seat Cushion Fan 2 Left Control Value, Seat Cushion Fan 2 Rear Left Test Control Value, Seat Cushion Fan 2 Rear Right Test Control Value, Seat Cushion Fan 2 Right Control Value, Seat Cushion Heating Left Test Control Value, Seat Cushion Heating Left Test Input Output Control Parameter, Seat Cushion Heating Right Test Control Value, Seat Cushion Heating Right Test Input Output Control Parameter, Seat Heating Enabling, Seat Heating Entire Test Control Value, Seat Heating Entire Test Input Output Control Parameter, Seat Heating Front Left Setpoint, Seat Heating Front Left Test Control Value, Seat Heating Front Right Setpoint, Seat Heating Front Right Test Control Value, Seat heating level Rear LED indicator Seat heating Hi, Seat Heating Rear Left Control Value On Off, Seat Heating Rear Left Input Output Control Parameter, Seat Heating Rear Left VW Common Control State, Seat Heating Rear Left, Seat Heating Rear Right Control Value On Off, Seat Heating Rear Right Input Output Control Parameter, Seat Heating Rear Right VW Common Control State, Seat Heating Rear Right, Seat Heating Rear, Seat Heating Release Test Control Value, Seat Heating, Seat Movement Relay Disabling, Seat Ventilation Entire Test Control Value, Seat Ventilation, Secondary Air Injection Solenoid Valve, Secondary Air Pump Relay, Segment Test Color, Segment Test Control Value Color, Segment Test Control Value On Off, Segment Test Kopie Von, Segment Test VW Common Control State, Segment Test, Segmenttest, Sel Lvl Rng Disp Ctrl Val ENUM Sel Lvl Rng Disp, Selector Lever Range Display Actuation, Self Test Ground Cabling Control Value Currentsource, Send Current Map, Send Reference Map, Sensor For Fine Dust Content Pump Test Control Value, ~~Sensor For Fine Dust Content Valve Test Control Value, Servomotor B-column foot right rear~~

Intermittent operation, Servomotor B-Pillar-Foot Left Rear Intermittent operation, Servotronic Steering: Full Assistance, Servotronic Steering: No Assistance, SH Front Left, SH Front Right, Shft Lck Act Transversal Tst Ctrl Val ENUM Man Lane Lck, Shft Lck Sol Tst Ctrl Val (Shift Lck Sol Test) ENUM Shiftlock, Shift Lock Solenoid Test Shift Lock Solenoid Test, Shift Valve 2 Refrigerant Test Control Value On Off, 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, Shut Off Valve For Refrigerant Test Control Value On Off, Shutter Control Value, Side Light Left 2 Test Control Value, Side Light Left Test Control Value, Side Light Right 2 Test Control Value, Side Light Right Test Control Value, Side Light Test 2 Control Value, Side Light Test Control Value, Side Marker Front Left Test Control Value, Side Marker Front Right Test Control Value, Side Marker Light Blub Front Left, Side Marker Light Blub Front Right, Side Marker Light Test Control Value, Side Shades Motor, Side Window Blind Test Control Value, Side-Blinkers Bulb Left, Side-Blinkers Bulb Right, Side-Marker Lamp, Left Front, Side-Marker Lamp, Right Front, Sidemarker Test Controlstate Data 2, Signal Horn Control Circuit, Signature Light Test Control Value, SIH Rear Left Control Value 1, SIH Rear Left Control Value, SIH Rear Right Control Value 1, SIH Rear Right Control Value, SIL Rear Left (LLR LS1 Li) Control Value, SIL Rear Left(LLR LL1 Li) Control Value, SIL Rear Right (LLR RL1 Re) Control Value, SIL Rear Right (LLR RS1 Re) Control Value, SL Front Left, SL Front Right, Sliding Roof Function Request Disable, Sliding Sunroof Opening, Sliding Sunroof Test 2 Control Value Direction Of Movement, Sliding Sunroof Test Control Value, Sounder Control Value On Off, Special Function II, Special Functions, Speed Change Of Mirror Adjustment Motor Test Control Value, Speed Indicator, Srch Lightng Op Elements Tst Ctrl Val On Off, Start/stop Indicator Lamp, Static Cornering Light Left: Down/Dim, Static Cornering Light Left: Up/Bright, Static Cornering Light Right: Down/Dim, Static Cornering Light Right: Up/Bright, Static Cornering Light Test Control Value Side Selection, Static Cornering Light Test Control Value Start Parameter, Static Cornering Lighting Test 2 Control Value, Static Cornerlight Test Controlstate Data 2, Static Headlight Range Control Test Control Value, Static Test, Stationary Cornering Lamp, Steering Column Adjust. Downwards, Steering Column Adjustm. To Front, Steering Column Adjustm. To Rear, Steering Column Adjustm. Upwards, Steering Wheel Heating (2), Steering Wheel Heating, Steering Wheel Vibration Control Value, Steering Wheel Vibration, Subwoofer Speaker Control Value, Subwoofer, Sup V 2 Ctrl Motors Air Cond Tst Ctrl Val, Sup V 2 For Ctrl Motors Of Air Condition Test Control Value, Sup V Ctrl Motors Air Cond Tst Ctrl Val, Sup Voltage For Ctrl Motors Of Air Condition Test Control Value, Supply Voltage For Air Condition Sensors Test Control Value, Suppress Mirror Glare, Surface Heating Entire Test Control Value, Swinging Logo Test Control Value 1, Swinging Logo Test, Switch and Instrument Lighting, Switch Between Antennas, Switch Control Control Value Status Switch, Switch Search And Functional Lights Entire Test Control Value, System Adjustment Control Value, System Adjustment, System Check For Boosting Function Control Value Onoff, System Function Test Deactivation, System function test, System Identification, Tachometer, Tail Lights Left, Tail Lights Right, Taillights, Tank Characteristic (Fuel Level Sensor 3), Tank Characteristic (Fuel Level Sensor 4), Tank Flap Locking: Actuation, Tank Flap Release, Tank Flap Test Sequence 1 Control Value, Tank Flap, TCS And ESP Indicator Light Test Control Value, Temperature Flap Control Motor Control Value On Off, Temperature Flap Control Motor Setpoint, Temperature Flap Control Motor, Temperature Flap Motor Left, Temperature Flap Motor Right, Temperature Flap Rear Control Motor Setpoint, Temperature Flap Rear Ctrl Motor Input Output Control Parameter, Temperature Flap Servomotor: Left, Terminal 30 Interior Lighting Test Control Value, Terminal 58s, Terminal 58st, Terminal 58xs Test Control Value, Terminal 58xt Test Control Value, Test Accumulator And Compressor Control Value Onoff, Test Image In Middle Display, Test Images Control Value, Test Images, Test picture in center display, Test Screen, Test Sound, Testbild Im Mitteldisplay, Testbild Schachbrettmuster Invers, Testbild Schachbrettmuster, Theft Protection Control Value, Theft Protection, Throttle Body Module Control Circuit, Tire Pressure Monitoring, Tiredness Detection Switch Off / On, Topview Camera Cleaning

Request Control Value 1, 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, Tourist Mode, 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 Control State, Transmission Power Test VW Common Ctrl State Transmission Power, Treble Bass Horn Test Control Value, Treble Speaker Front Left, Treble Speaker Front Right, Treble Speaker Front, Treble Speaker Rear Left, Treble Speaker Rear Right, Treble Speaker Rear, Trunk Light Left, Trunk Light Right, Trunk Light, Trunk Locking Module, Trunk Motor, Trunk Remote Unlocking, Turbocharger Bypass Valve Control Circuit, Turn Signal Front Left 2 Test Control Value, Turn Signal Front Right 2 Test Control Value, Turn Signal Lamp Acoustic Signal, Turn Signal Light Test Control Value, Turn Signal Side Left Test Control Value, Turn Signal Side Right Test Control Value, Turn Signals Left, Turn Signals Right, Turn Signals Test Control Value Side Selection, Turn Signals Test Control Value Start Parameter, TV Camera Activation Request Control Value 1, Tweeter Speaker Front Left Control Value, Tweeter Speaker Front Left, Tweeter Speaker Front Right Control Value, Tweeter Speaker Front Right, Tweeter Speaker Motor Fr Right Ctrl Value Retractable Speaker, Tweeter Speaker Motor Front Left Ctrl Value Retractable Speaker, Tweeter Speaker Motor Front Left Retractable Speaker, Tweeter Speaker Motor Front Left, Tweeter Speaker Motor Front Right Retractable Speaker, Tweeter Speaker Motor Front Right, Tweeter Speaker Rear Left Control Value, Tweeter Speaker Rear Left, Tweeter Speaker Rear Right Control Value, Tweeter Speaker Rear Right, Underfloor Lighting Test Control Value, Unlock Charging Plug Test, Vacuum Pump For Brakes Actuation Control Value On OFF, Valet Parking Indicator Lamp, Valet Parking Warning Lamp Control Value, 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 Inclination Sensor Indicator Lamp, Vehicle Lowering Front Left, Vehicle Lowering Front Right, Vehicle Lowering Rear Left, Vehicle Lowering Rear Right, 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, Visual Comfort Operation/Closing Confirmation, Wakeup Cable Activation Of BCM, Warning Beeper Warning Beeper, Warning Beeper, Warning Buzzer, Warning Lamp For Adaptive Light Test Control Value, Warning Lamp, Warning Lamps, Warning Tone Generator, Washer Fluid Level Indicator Lamp, Washer Jet Heating Test Control Value, Washer Jet Heating Test Input Output Control Parameter, Water Pump Setpoint, Water Valve Setpoint, Wheel Speed Sensor Test Executiontime, Wheel Speed Sensors Index Error Test Control Value Axle, Wind Deflector Movement Control Value Direction Of Movement, Window Head Up Display Test Control Value, Window Regulator Front Down Actuation Time, Window Regulator Front Down Start Parameter, Window Regulator Front Up Actuation Time, Window Regulator Front Up Start Parameter, Window Regulator Lowering, Window Regulator Motor, Window Regulator Raising, Window Regulator Rear Down Actuation Time, Window Regulator Rear Down Start Parameter, Window Regulator Rear Up Actuation Time, Window Regulator Rear Up Start Parameter, Window Regulator Test Driver Side Front Control Value, Window Regulator Test Driver Side Rear Control Value, Window Regulator Test Passenger Side Rear Control Value, Window Shade Motor Rear, Window Wiper Front Position Test Control Value, Window Wiper Front Test Control Value Wiper Cycles, Window Wiper Front Test Control Value Wiping Level, Window Wiper Front Test Control Value, Window Wiper Module Rear Test Control Value, Window Wiper System Rear Test Control Value, Windscreen Heater For Camera Control Value, Windscreen Heater For Camera, Windscreen Heater For Lane Departure Warning, Windscreen Heating Control Value, Windscreen Heating Input Output Control Parameter, Windscreen Wiper: Position, Windshield Washer Jet Heating, Windshield Washer Pump Front, Windshield Washer Pump Rear, Windshield Washer Pump, Windshield Wiper Heater Element,

Washer Jet Heater, Windshield Wiper Motor Stage 1, Windshield Wiper Motor Stage 2, Windshield Wiper Motor, Windshield wiper, Wiper Interval Rear, Wiper: Upper Reverse Point, Woofer Speaker Front Left Control Value, Woofer Speaker Front Left, Woofer Speaker Front Right Control Value, Woofer Speaker Front Right, Woofer Speaker Rear Left Control Value, Woofer Speaker Rear Left, Woofer Speaker Rear Right Control Value, Woofer Speaker Rear Right, Yellow Indicator Lamp For Lane Departure Warning Control Value, Yellow Indicator Lamp For Lane Departure Warning, Yellow Lane Keep.ass. Indic. Lamp, Yellow Warning Lamp Control State, Yellow Warning Lamp Control Value On Off, Yellow Warning Lamp Control Value VW Common Control State, Yellow Warning Lamp Control Value

## New BMW Coverage

- Added coverage for 68 new system applications

### 300 new Adjustment type special tests:

A/C Air Distribution Flap Test, A/C Compressor Adaptation, A/C compressor run-in protection, Activate electric fuel pump, Activate HUD, Activate intelligent alternator control, Activate Parking Brake After Pad Replacement, Activate Parking Brake For Pad Replacement, 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(VL), Activate/Stop/Status DSC Bleeding(VR), Adaptation (10) / Long Adaptation (0A), 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 Wastegate Linkage, Adjusting The Electromotive Throttle Controller, Air Conditioner Control Motors: Adapt Positions To The System, Air Conditioner Control Motors: Adapting, Air Conditioner Control Motors: Service Position Activation, Air Mix Flap Initialization, Airbag Configuration, Air-Conditioning System Control Unit Reset, 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 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 (2nd Battery), Battery Replacement, Bleed Cooling System, Bleed Fuel System, Bleed, Bluetooth Activate/Deactivate, Bluetooth interface activation/deactivation, 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, CAN Learning Messages Reset, Central electronics control unit reset, Charge air suspension struts, Classic Memory Reset, Clearing Adaptation Values, Clutch Parameters Adaptation, 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, Delete Adaptations, Delete the personal profile, Diesel particulate filter regeneration run, Diesel Particulate Filter Regeneration, 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, ECU Reset, EGR valve mounting position, Electric power steering: Restart, Electrical Steering Column Adjustment Standardization, EPS: Steering Start-Up, ESB Hydraulic-System Bleeding, ESP Control Unit: Restart, ESP Interchange Test, ESP Sensor Ring Test,

Exhaust flap adaptation, Exhaust Gas Analysis Maintenance Reset, Exhaust Gas Recirculation Valve Basic Setting, Factory Mode, First initialization, Footwell Lighting Dimming (With Open Door), Footwell Lighting Dimming (with Terminal 58d), Front Brake Pad Wear Indicator Reset, Front Driver/Pass Door Power Window Regulator Initialization, Front left short-range radar sensor: Restart, Front Passenger's Door Power Window Regulator Initialisation, Front right short-range radar sensor: Restart, Fuel Consumption Display Adjustment, Head Restraint Adjustment, Headlight range control functional test, Headlight Washer Activation Delay, Head-up display test, High-pressure pump adaptation, HVAC: Installation Position of Flap Motors, ICM Sensor Adjustment, Idle Adjustment, Idle Speed Adjust, Idle Speed Set Point, IMA CYL 7, IMA CYL 8, Inclination Sensor Sensitivity, Initialise puncture indicator, Initialization of all window lifters, Initialization Of Both Rear Window Lifters, Initialization of Soft Top, Initialization SCR tank system, Initialize New Fuel Pump, Injector Quantity Adjustment, Inspection/Service Interval Reset, Instrument cluster: Date/time configuration, Interior Monitoring Sensitivity, Key adaptation, Keyless entry: Deactivate/activate, Knock Sensor Adaptation, 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), Metered quantity measurement, Microfilter Reset, Microphone Sensitivity Adjustment, Mixture Adaptation, 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 Sensor Adapting, Newly Address The Air Distribution Flap Motors, 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, Program Injector 1, Program Injector 2, Program Injector 3, Program Injector 4, Program Injector 5, 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 Brake Pad Wear Indicator Reset, Rear Driver/Pass Side Door Pwr Window Regulator Initialization, Rear left short-range radar sensor: Restart, Rear right short-range radar sensor: Restart, Rear Window Outside Mirror Heater Activation Time, Registration after SCR CAT change, Registration starter exchange, Remote Control Adaptation, Replace Injector1, Replace Injector2, Replace Injector3, Replace Injector4, Replace refrigerant, Reset Adaptation Parameters, Reset Adaptation Value, Reset adaptation values air mass system, Reset Adaptation Values, 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 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 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 Start Inhibit Due To Lack Of AdBlue, Reset Start/Stop Counter, Reset Starter Lock, Reset Steering Angle Calibration, 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 uneven running segment times, Reset valve lift adaptation, Reset VVT minimum lift adaptation, Resetting adaptation values start/stop pct., Resistances of airbag igniter circuits, SCR-tank system initialisation, Seat Control Unit Initialization, Seat Occupancy Detection, Front Passenger, 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 - 4 Cylinder, Spark duration diagnosis, Spark Plug Maintenance Reset, Start Auto-address for Flap Motors, State Inspection Reminder Reset, Steering Angle Sensor Adjustment, Steering column adjustment adaptation, Steering column adjustment initialisation, Suction jet pump activation, Supplementary Heater: Reset Starter Interlock, Teach-in Exhaust Flap Or Move It Into Installation Position, Test AdBlue metering valve spray pattern, Test of transmission parking lock, Throttle Valve Adaptation, Throttle Valve Basic Setting, Tire Pressure Monitoring: Deactivating The Production Mode, Tire Pressure Sensor Registration, TPMS/RDC - Reset Production Mode, 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, Turbocharger adjustment, Valve current adapting, Valve lift control end stop run-in, Valvetronic Limit Position Learning Mode, Valvetronic Running-in Phase, VANOS Adaptation, Variable camshaft timing adaptation, Variable tract intake manifold adaptation, Visual Comfort Operating/Closing Confirmation, Visual Locking Confirmation, Window lifter motors: Adapting, Window Lifter Standard Initialization, Windshield Wiper Service Position Adjustment, Zero Speed Learning

### 530 new Actuation type special tests:

A/C Compressor, 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 - UMLAUC, 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, Electric Fuel Pump, Actuator Test, Additional EGR Cooler Bypass, Additional Water Pump for Low-temperature EGR Circuit, Air Flap 1, Air Flow Control 2, Air Intake Test(Analog; Gen. 2), Air Suspension Sensor Initialization, Air Valve 2, Air Valve, AKKS Status, Alarm System Emergency Power Siren, Alarm System Light-Emitting Diode, Ambient lighting\_, Audio system self test, Auto-Hold Indicator Lamp, AutoHold LED Control, Automatic Engine Start / Stop, Automatic Engine Stop Disable, Auxiliary Heater, Auxiliary Water Pump Low Temp EGR Circuit - Status, Backrest Adjustment, Backrest Adjustment: Width, Backrest Head Adjustment, Backup lamp, BDC Terminal\_15 (de-)activation, Black Test Card, Blow by Heater, BlowBy Heating Element Status, Blower at 80%, Blue Test Card, Boost Pressure Actuator, Boost Pressure Plate 1 Trigger, Boost Pressure Regulator 1, Boost Pressure Regulator 2, Boost Pressure Regulator Offset, Brake Lights, Brake Line Mix-up test, Button LED, Button Lighting, Camera functional test, Check Antennas, Close Slide / Tilt Sunroof (SHD), Close Sliding Head Liner (ESH), Close Window, Clutch Function Test With Delete Angle, Clutch Function Test, Compressor Bypass Valve, Compressor Bypass, Compressor Clutch, Consumption Curve, Control Auxiliary Fan, Control Device Replacement Without Value Transfer, Control Flap Motor Addressing - Direction of Movement, 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 Circuit Thermostat, Coolant System Ventilation, Coolant Temp Operation, Cooling System Ventilation, Cornering Light Functional Test, Cornering Light, Crank Case Vent Heater, Cruise Control Marking Test, Cylinder Homogeneous Equality Function,



Daytime Driving Light, Deactivate Hard Disk Protection Mode, Defroster Flap 100%, Defroster Flap at 0%, Delete Coupled Bluetooth Devices, Detection Gasoline In Oil, Determining The Injector, Diagnosis Module, Tank Leakage : Heating, Diagnosis Module, Tank Leakage : Pump, Diagnosis Module, Tank Leakage : Valve, Dim mirror, Dipped Beam, Disable The Oil Level Sensors, 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, Divert Air Solenoid Valve, Driver Seat Normalization, Driver side mirror adjustment, DXC Status, Dynamic-Pressure Flap at 0%, Dynamic-Pressure Flap at 100%, E-Box Fan Control, EGR Bypass Flap, EGR Control, EGR Valve, Electric Auxiliary Water Pump-LIN, Electric Coolant Pump, Electric Fan Actuation, Electric Fan Relay, Electric Fuel Pump on FPC, Electric Fuel Pump, Electric Valve On Active Tank (SCR), Electrical Fan, Electronic Ride Height Control (EHC): Ride Height Sensors, Electronics Box Fan, Emblem camera, Emergency Function Auxiliary Water Pump, Emergency Loudspeaker Test, Emission Warning Lamp (MIL), Ended All Actuators Started with Diagnostic, Engine Malfunction Lamp, Engine Mounting, Engine Oil Quantity, ESP Test, Evaluate the Battery State of Charge, Exhaust Flap, Exhaust Gas Recirculation, Exhaust Gas Temp Sensor before OxiCat Status, Exhaust Gas Temperature Pre DPF, Expansion Tank Valve Status, Ext.mirror lane change ass.indic., Exterior mirror 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, FDC Status, FGR Status, FIGA Function DSC Status, FKA Blower, Flap Motor Opening - Bel Left Middle, Flap Motor Opening - Bel Left Outside, Flap Motor Opening - Bel Left, Flap Motor Opening - Bel Right Middle, Flap Motor Opening - Bel Right Outside, Flap Motor Opening - Bel Right, 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, Footwell Flap, Front Left, at 0%, Footwell Flap, Front Left, at 100%, Footwell Flap, Front Right, at 0%, Footwell Flap, Front Right, at 100%, Footwell Flap, Rear Right, at 0%, Fresh Air and Recirculated Air Flap at 0%, Fresh Air and Recirculated Air Flap at 100%, Front Blower, Front Door Power Windows Regulator Initialisation, Front Fog Light, Front Left Seat Heater Button, Front Left Seat Heating, Front Right Seat Heater Button, Front Right Seat Heating, Front surrndg.area cam.test image, Front windscreen washer pump, Fuel Evaporation Regeneration Valve, Fuel Filter Heater Status, Fuel Filter Heating, Fuel Injector 1, Fuel Injector 2, Fuel Injector 3, Fuel Injector 4, Fuel Injector 5, Fuel Injector 6, Fuel Pressure Regulator, Fuel pump - CAN, Fuel Pump (EKPS) Activation - 120 L/hr, Fuel Pump Activation - Full Load, Fuel Pump Reset, Fuel Pump Timeout, Fuel Pump, Fuel Quality Recognition, Fuel Tank Ventilation Valve, Functional Display, GBX Position Sensor Status, Gear Change Idle Speed Activation, Gear Oil Pump Relay, Generator - Exciter Current Limit, Generator - Load Response, Generator - Nominal Voltage, Generator Control, Glow Plug Relay, Green Test Card, GSG Status, Hazard warning system, Headlight Washer System, Heated Rear Window, Heating valve, Heating-Heater Relay (SCR), Heating-pressure line (SCR), Heating-tank (SCR), Heating-tank 2 (SCR), HFM-Disconnection, High Pressure Compressor Bypass 1, High Pressure Compressor Bypass 2, High Pressure Pump Relay, High Pressure VNT, High Pressure VNT1, High Pressure VNT2, High-Beam Headlights, Hill Hold Control Button Led, Horn, HUD Full Brightness, IBS Current Measurement Control, 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 Left Seat Ventilation 1) Control, Illumination (LED Left Seat Ventilation 2) Control, Illumination (LED Left Seat Ventilation 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 Right Seat Ventilation 1) Control, Illumination (LED Right Seat Ventilation 2) Control, Illumination (LED Right Seat Ventilation 3) Control, Illumination (LED Space) 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), Injector Cylinder 1: Deactivation, Injector Cylinder 2: Deactivation, Injector Cylinder 3: Deactivation, Injector Cylinder 4: Deactivation, Instrument Cluster Self Test, Insulation Test of Cooling Media Compressor - Active High-Side, Insulation Test of Cooling Media Compressor - Active Low-Side, Insulation Test of Cooling Media Compressor - No Active, Issue Front PDC Signal Tone, Lambda Probe Heating Before Kat (Bank1), Lambda Probe Heating Before Kat (Bank2), Lambda Sensor Heater 2 (Bank 1), LED headlamp test, Left And Right Turning Light, Left ext.mirror camera test image, Left surrndg.area cam. test image, Load Pressure Plate Low Pressure, Load Pressure Plate, Locator Lighting, Lock All Doors, Lock and Enable, Low Pressure Compressor Bypass 1, Low-Beam Headlights, Lower Slide / Tilt Sunroof Glass (SHD), Low-temperature EGR Valve Circuit, Lumbar Support Adjustment, LWR Reference Run, Main Beam, Malfunction Indicator Lamp Test, Measure, Measured Data Wheel Electronics, Metering in the AGA (SCR), MIL Lamp, Mirror fold-in/fold-out, Mirror Heating, Mixed Air Flaps at 0%, Mixed Air Flaps at 100%, Most 3DB, Motor Fan Relay, 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 DEAKT, MSA2 DEAK DFSP, MSA2 DEAK EA, MSA2 DEAK EV, MSA2 DEAK FAV, MSA2 DEAK SAV, Normal Sleep Mode, No-Signal Test Screen, OBD Readiness Values 2, Offset Error in Combined Fuel Pressure and Fuel Temp Sensor, Oil Pressure Control Trigger, Oil Pressure Control, Oil Pressure Lamp, Oil Pressure Valve (Regulated Oil Pressure System) Control, Open and Close Radiator Blind, Open Slide / Tilt Sunroof glass (SHD), Open Sliding Head Liner (ESH), OTUR Offset Value, 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 light\_, Passenger compartment lighting\_, Passenger side mirror adjustment, PCU on CAN Status, PCU/DCDC Converter Status, Persistent Activation and Persistent Deactivation, Piston Cooling Valve, Power Down, Prefeed Pressure Sensor Status, Pressure Sensor on Particulate Filter Status, Prime Line, Pulse-wheel test, Pump - Passive Tank (SCR), Pump Control, Pump-active Tank (SCR), PWM Fuel Pump Timeout, PWM Fuel Pump, QLT Status, Quantity control valve HDP5, Quantity Control Valve Trigger, Radiator Fan, Raise Slide / Tilt Sunroof glass (SHD), Read actual electric fuel pump, Read Configuration, Read Manufacturer-Specific Data of Flap Motor, 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 sun blind, Rear Lift / Lower Sequence, Rear Passenger Compartment Footwell Flap Left 0%, Rear Passenger Compartment Footwell Flap Right 100%, Rear Passenger Side Power Window Close, Rear Passenger Side Power Window Open, Rear Passenger's Door Power Window Regulator Initialisation, Rear right sun shade, Rear Rotation Angle Control, Rear Window Washer Pump, Rear Window Wiper Relay, Rear Wiper, Red Test Card, Refrigerant Circuit Switch Valve, Release of Manual Shift Gate, Reversing camera

heating, Reversing Camera Test Image, Reversing mirror adjustment, Rght.ext.mirror camera test image, Rght.surrndg.area cam. test image, 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, Front, Seat Ventilation Left Button, Seat Ventilation Right Button, 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 the Running-in Protection for Air-conditioning Compressor, Set Voltage BSD, Shut-off Injector 5, Shut-off Injector 6, SHZH Dosing Pump, SHZH Fuel Warm-Up, SHZH Gluestift, SHZH Test Run, 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 - 4 Cylinder, Smooth running evaluation, Solenoid Valve, Tank Ventilation, Solenoid Valve,Secondary Air, Sound damper, Speed Cooling Media Compressor, Spin Flap, Start Relay, Start Station Search, Starter, Start-up lane change warning sensors, Station Search For Strongest TV Channel, Steering Column Height Adjustment, Steering Wheel Vibration, Stepper Motors Self Test, Stop lamps, Stratification Flap, Front Left, at 0%, Stratification Flap, Front Left, at 100%, Stratification Flap, Front Right, at 0%, Stratification Flap, Front Right, at 100%, Stratification Flap, Rear Left, at 0%, Stratification Flap, Rear Left, at 100%, Stratification Flap, Rear Right, at 0%, Stratification Flap, Rear Right, at 100%, Supply Injection, Ignition Relay HDPI, Suppress Mirror Glare, Switch On/Off Radio Data System, Switch On/Off Traffic Reports, System Lamp Test, System Self-Test, System Test, Tail Lights, Tank Ventilation Valve Actuation, Temporary Activation and Temporary Deactivation, Test CD/DVD ejection, Test pattern 1, Test pattern 2, Test Pump Available Control, Test Tone With 10,000 Hz, Test Tone With 100 Hz, Test Tone With 1000 Hz, Thermostat Control, Throttle Control, Throttle Valve Actuation 100%, Throttle Valve, Throttle Valve, Bank 2, Time Controlled Sleep Mode, Transfer Pump, Trigger Motor Bearings, Tuner Frequency 88.9 MHz, Turbocharger Coolant Pump, Turn signal lamps, Turn-Signal Indicator Light (Flashing To Indicate Defect), Turn-Signal Indicator Light (Normal Flashing), Unlock All Doors, Valve Coolant Expansion Tank, Vanos Exhaust Valve, Vanos Intake Valve, Variable Intake System 1, Variable Intake System 2, VDM: Study the Adjustment Value, Ventilation Flap, Left, at 0%, Ventilation Flap, Left, at 100%, Ventilation Flap, Right, at 0%, Ventilation Flap, Right, at 100%, VTG Function Check, VVT (VANOS) Relief Relay, VVT Deviation, VVT High Current Control, VVT Tests, Washer Pump, Headlights, Water Pump Control, Wheel Electronics - Warning and Calibration Data, Wheel Speed Sensor Functional Test, Wheel Speed Sensor Supply, Windscreen Washer Pump, Wiper Service Position, Wiper: Stage 1, Wiper: Stage 2

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