

# Bosch ADS Software Update – November 2025

## Ver 6.14

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

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

Over 9,000 new special tests & 3,068 new system applications included in this update.

Also includes scan speed improvements and streamlined account management from home screen.

Software and coverage feature details provided in these release notes.



ADS X



ADS

## Feature Enhancements (Pages 1 & 2)

### Rapid Scan Improvements

- 3 brands have been the focus: Toyota/Lexus, Subaru, Nissan, and Infiniti.
- Up to 15x rapid scan improvements on certain models.
- Some generic improvements that will be seen in other brands as well.

### New user-icon added on home screen

SingleKey ID login and account management can now be accessed from the home screen. Users can now tap the new user icon circled yellow on Fig 1.1, on the ADS 625X main menu to securely sign in with their SingleKey ID, access profile information, or log off. This improvement streamlines credential management and supports secure diagnostic

#### 1. Logged-out Home Screen

When no user is signed in, the ADS 625X main menu displays a generic user icon in the top-right corner. Tapping this icon begins the SingleKey ID login process. Fig 1.1

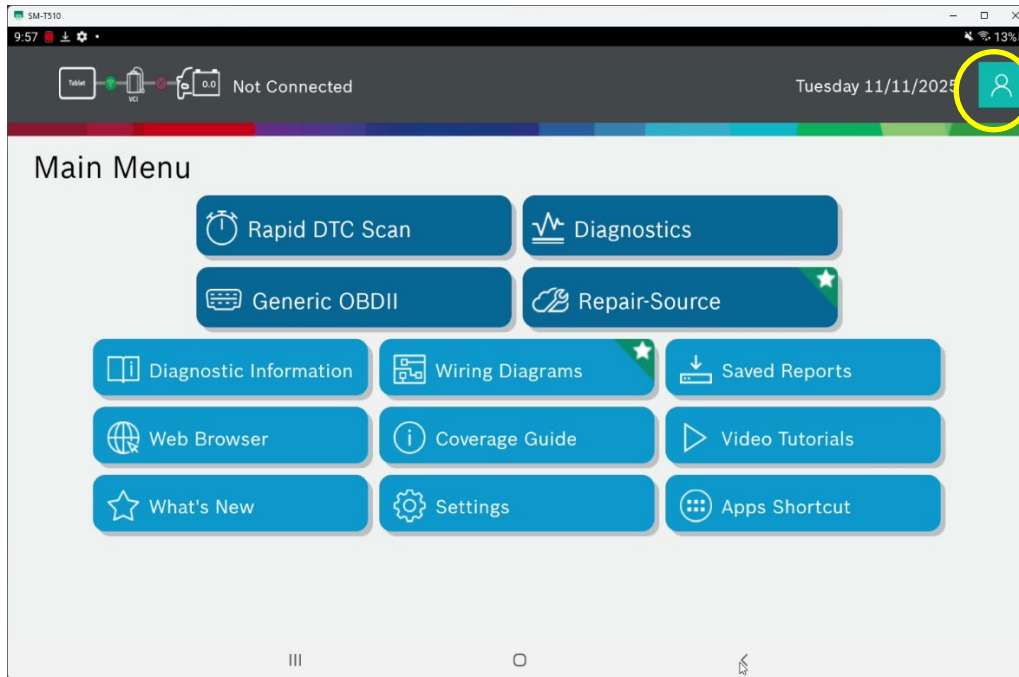


Fig 1.1

## 2. SingleKey ID Sign-In

Secure authentication. The tool opens a SingleKey ID sign-in page Fig 1.2. Users enter their email or username to be redirected to the appropriate login or sign-up page; this is consistent with the SingleKey ID login flow described in prior release notes.

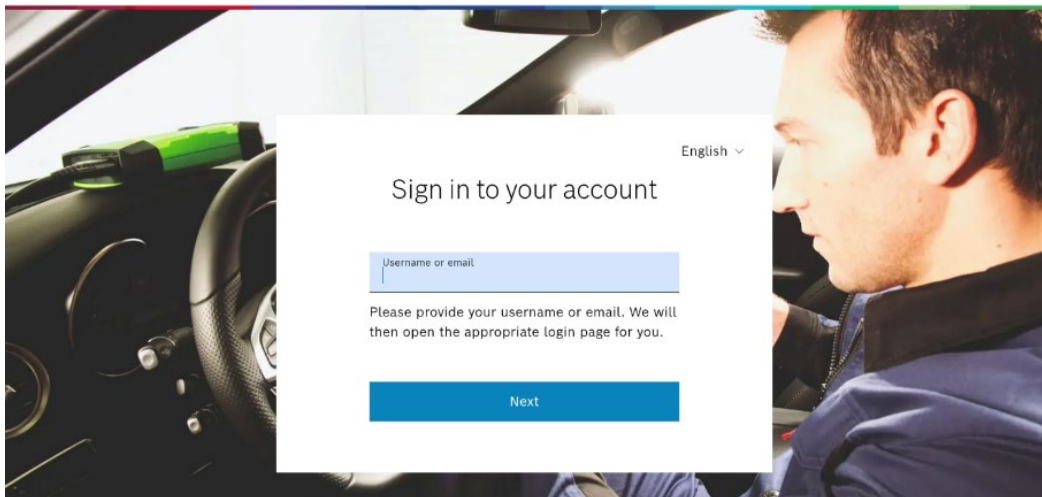


Fig 1.2

## 3. Home Screen after Login

**Visual confirmation of login.** After successful authentication, the user icon reflects the logged-in state Fig 1.3. The main menu remains unchanged, but the icon now holds the user's profile.

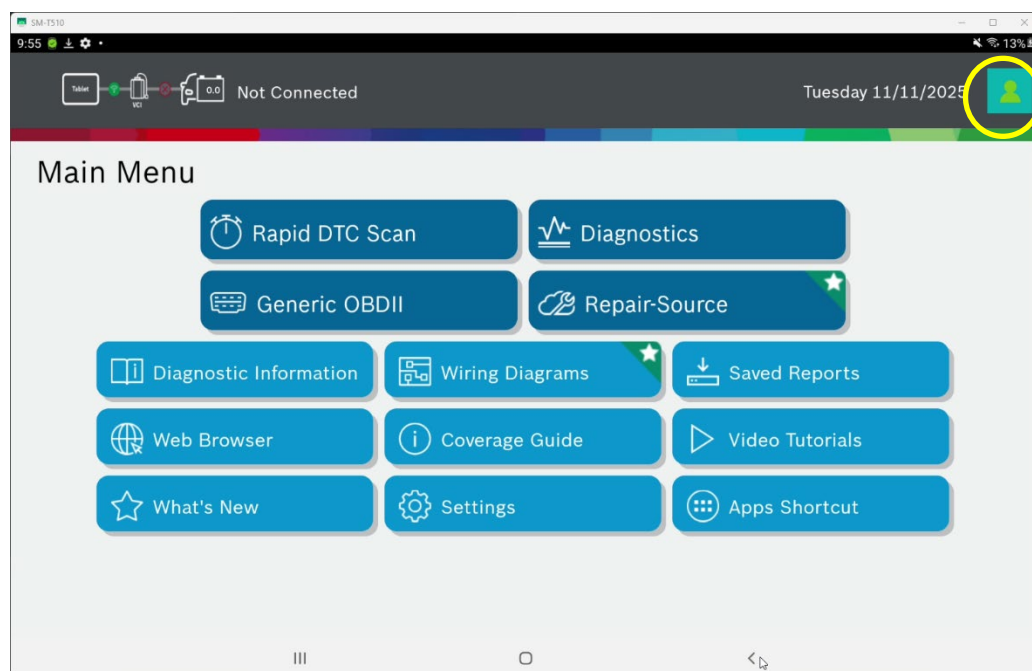


Fig 1.3

#### 4. User Management Dialog

Selecting the user icon when logged in opens a User Management dialog showing the user ID with two actions Fig 1.4: My Profile (to view or edit SingleKey ID details) and Log Off (to end the session).

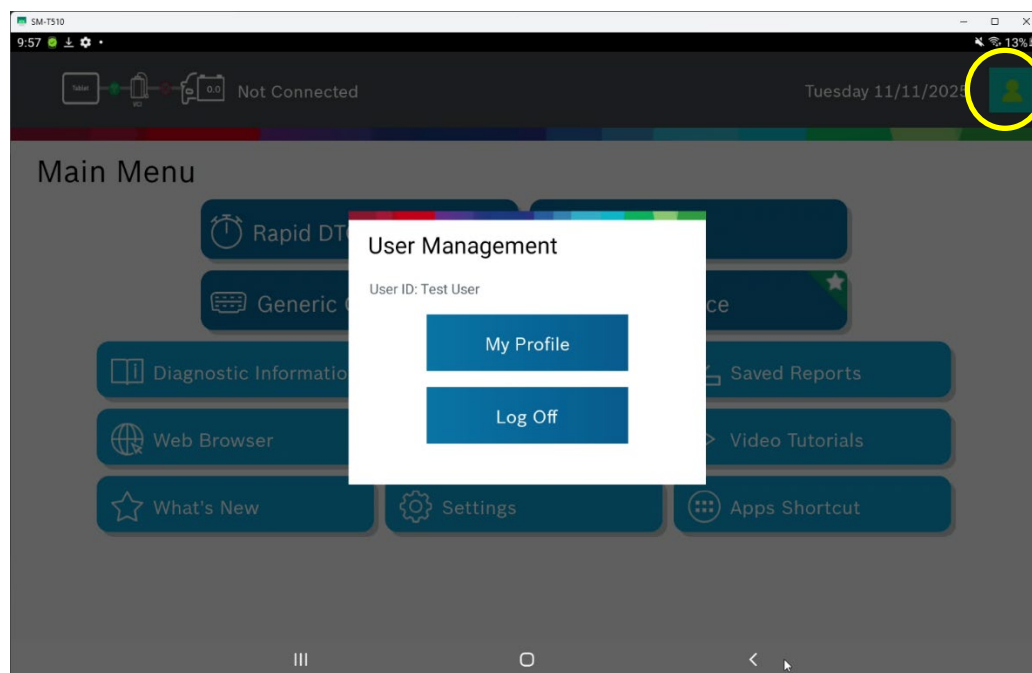


Fig 1.4

## 5. Account profile page

Choosing My Profile opens an account profile page Fig 1.5.

Fig 1.5

## Coverage Highlights (More Details start on Page 5)

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

- **Acura** – ADX, Integra, MDX, RDX, ZDX
- **Buick** – Enclave, Envision
- **Cadillac** – CT4, CT5, Escalade, Escalade ESV, Escalade IQ, Escalade IQL, Lyriq, Lyric-V, Optiq, Vistiq, XT5
- **Chevrolet** – Blazer, Blazer EV, Colorado, Corvette, Equinox EV, Silverado 2500 HD, Silverado 3500 HD, Silverado EV, Suburban, Tahoe, Trax
- **Dodge** – Durango
- **Ford** – F-250 Super Duty, F-350 Super Duty, F-450 Super Duty
- **GMC** – Acadia, Canyon, Hummer EV Pickup, Hummer EV SUV, Sierra 2500 HD, Sierra 3500 HD, Sierra EV, Yukon, Yukon XL
- **Honda** – Odyssey
- **Jeep** – Compass, Wrangler
- **Lexus** – IS350, LC500, RX350, RX350h, RX450 h+, RX500h, TX350, TX500h, TX550h+
- **RAM** – 1500
- **Toyota** – Camry, Crown, GR Corolla, GR Supra, Grand Highlander, Land Cruiser, Prius, Sequoia, Tundra

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

- **Audi** – A3 Quattro, A4 allroad, A4 Quattro, A5 Sportback, A6 allroad, A6 Quattro, A7 Sportback, A8 Quattro, Q3, Q4 e-tron, Q4 e-tron Sportback, Q5, Q5 PHEV, Q5 Sportback, Q6 e-tron, Q7, Q8, Q8 e-tron, Q8 e-tron Sportback, RS e-tron GT, RS e-tron GT Performance, RS Q8, RS3, RS5 Sportback, RS6 Avant, RS7 Sportback, S e-tron GT, S3, S4, S5 Sportback, S6, S7 Sportback, S8, SQ5 SQ5 Sportback, SQ6 e-tron, SQ7, SQ8, SQ8 e-tron, SQ8 e-tron Sportback
- **Porsche** – Cayenne, Panamera, Taycan
- **Volkswagen** – Atlas, Atlas Cross Sport, Golf R, GTI, ID.4, Jetta, Taos, Tiguan

**Multiple Models and Years Coverage added - Bi-Directional functions**

*\*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.*

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## New Coverage Details – USA Domestic

### New Chrysler/Dodge/Jeep/Ram Coverage

- Added coverage for 158 new system applications

#### 178 new Adjustment type special tests:

ABS Bleed Brakes, ABS Initialization, ABS Service Bleed, ABSO Initialization, Active Grill Shutter Replaced, Actuator Calibration, AMP Non ANC Qualifier, Auto Door Lock, Auto High Beam Demo Mode Test, Automated Bleed, Automatic Addressing, Bleed Brake Procedure, Bleed Brakes, Brake Pedal Calibration, Brake Pedal Learn, Cabin Heater Lock Reset, 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 TPM Sensor Warnings, Clear Variable Line Pressure Counters, Closed Coupled Replacement, Clutch Pedal Learn, Clutch Sensor Calibration Mode, Configure License Plate Size, Coolant Three Way Valve Replaced, Diesel Particulate Filter Regeneration, DPF Pressure Sensor Reset, DPF Regen, DPF Regen (Stationary Desoot), DPF Replacement, Driving Regeneration Request, DTCM Replacement, 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, ELSD Quicklearn, Emissions Rolls Test Mode, Enable / Disable Vehicle Features, Enable/Disable Seatbelt Minder Chime, Engine Idle Shutdown Feature Enable/Disable, EPB Service Procedures, Erase Calibration value storage, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, Exit in Plant Mode, Exit Logistic Mode, Exit Shipping Mode, FCM Enable Emissions Rolls Test Mode, Fire Protection System Activate, Fleet Pin Reset, Front Axle Disconnect Feature, GSE Injector Adaptation, Hard Stop Search, Headlamp Leveling, High Temp Cabin Valve Cal/Test, HVAC Actuator Calibration Test, Hydraulic Prove Out Test, 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, IPC Replacement, Key FOB Identification, Key Fobs Linked To Memory, KeySense PIN Reset, 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, Modify Volumetric Sensors Sensitivity, Motor Position Learn, New Engine Installed, Non-Volatile Memory Reset, OCM System Verification Test, Oil Change Light Reset, Oil Change Monitor Type, Oil Life Restore, Overboost counter reset, Phonic Wheel Ttooth Learning Reset, Pressure Sensor Calibration, Program Engine Serial Number, Program Tire Sensor Identifications, Program Tire Size, Program Variant Coding, Proxi Configuration, PTO RPM Adjustment, PTO Settings, Purge fuel circuit reset, Quick Learn, Quicklearn 62TE, Quicklearn Non RFE, Quicklearn RFE, RAM Active Air Box Calibration, Range Position Sensor Reset, RDU Replacement, Remote Start Temporary Disable, Reset Adaptive Values, Reset After Replacement Of Lambda Sensor, Reset Camshaft Adaptive, 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 SCR Mileage Counter to 200 Miles, Reset Service Information, 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, Seat Belts Alarm Enable, Seat Calibration, Sensor Wiring Test, Service Procedures, Set Max Cruise Speed, Set Max Vehicle Speed, Snorkel Output Test, Standardization, Store Learned TCU Adaptives, System Air Mass/Pressure/Ride Height Readings, TCC Break In, TCM Reset Learned Adaptives Routine, Throttle Body Self-Learn Activation, Tip Start Temporary Disable, Tire Pressure Sensor Registration, TLC Learn, Turbo Actuator Pre-Align / Self Calibrate, Turbocharger adaptive parameters reset, Turn off Gain Mode Override, Update Front and Rear Axle Nominal Tire Pressure Values, Update Pressure Thresholds, Valve Body Solenoid Learn, Valve Variator Actuator (VVA) freeze wrong request reset, VCM Adaptive Parameter Reset After Block Change, VCM Adaptive Parameter Reset After Oil Change, VGT Learn, VGT Sector Gear Hysteresis Test, View/Reset Duty Cycle Maps, VIN Lock, VVL Cam Crank Relearn, Write Pinion Factor, Write VIN

### **1825 new Actuation type special tests:**

EOBD (Electronic On Board Diagnostic) failure indication, 1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 2/4 Clutch Volume Index Check, 2-3 Skip Shift Solenoid Control State, 2-4 Solenoid, 2-4 Solenoid State, 2C Or 2-4 Solenoid, 2nd Gear Clutch Test (62TE), 2nd Gear Clutch Test (Non-RFE), 2nd Gear Clutch Test (RFE), 2nd Prime Gear Clutch Test (RFE), 2nd Row Blend Door 1, 2nd Row Blend Door 2, 2nd Row Blend Door 3, 2nd Row Blend Door 4, 2nd Row Mode Door 1, 2nd Row Mode Door 2, 2WD Rolls Mode, 2WD Test Mode, 3rd Gear Clutch Test (62TE), 3rd Gear Clutch Test (Non-RFE), 3rd Gear Clutch Test (RFE), 3rd Row Headrest Release, 3rd Row Mode Door 1 Actuator Position, 3rd Row Mode Door 2 Actuator Position, 4 Low Indicator, 4C Solenoid, 4C Solenoid State, 4th Gear Clutch Test (62TE), 4th Gear Clutch Test (Non-RFE), 4th Gear Clutch Test (RFE), 4WD, 4WD Auto, 4WD AUTO Indicator, 4WD Indicator, 4WD LED, 4WD Lock Indicator, 4WD Low, 4WD Neutral Indicator, A/C, A/C Compressor Clutch Relay Control State, A/C Request, A/C Select, ABS, Abs Failure Indicator, ABS Failure Lamp, ABS fault Lamp, ABS Lamp, ABS Light, ABS Safety lamp, A-C Button, A-C Compressor Clutch Relay Control State, AC emergency shut off, AC Indicator, A-C INDICATOR, A-C Indicator PWM, AC Off For Vehicle Manoeuvring, AC Request, A-C Request, A-C Select, ACC Enter In-Plant Mode, Accessory Backlight, ACM Wake Up, 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, Aero LED, Aero Level, Aftertreatment System Performance Test, Air Bag, Air Bag Lamp, Air Bag Light, Air Condition, Air Condition Relay Control, Air Conditioner Relay Command, Air Dam Test, Airbag failure indication, Airbag Fault Indicator, All Doors/Central Locks, All Doors-Central Locks, All LEDs On, All Stop Lights, 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 Dimming, Ambient Lamp, AMP Output Short Test, AMP Output Tone Test, ANC Output Short Test, Antenna Power, Antilock brake (ABS) failure indication, Anti-lock Brake System (ABS) safety indication, APM Status, Apply release brake rear left EPB, Apply release brake rear right EPB, Apply release electric brake EPB, 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 Routing, Audio Test, Audio Test For Subwoofer Specific, Audio Video Signal Detection, Auto - Backlight, AUTO Button, Auto High beam headlamp indication, Auto High Beam Indicator, 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, AutoApply function, Auxiliary Coolant Pump, Auxiliary Fuel Pump, AVAC Motor Central Position, AVAC Motor Down Most Position, AVAC Motor

Up Most Position, Average Ambient Temperature, AWD System Switch, BACK button, 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 - Heated Seats, Backlight Control - Other, 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-Display PWM, Backlight Control-HVAC Recirc/AC/Front Def/Rear Def, Backlight Control-LED Jewel Indicator auto, Backlight Control-LED Jewel Indicators excluding Auto, Backlight Control-Red Driver/Passenger Temp Up, Hazard, 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, Backlighting: Driver Temp Down, Pass Temp Down, Backlighting: Driver Temp Up, Pass Temp Upj., Backlighting: Knob Halo White Backlighting, Backup Alarm, Backup Lamp Left, Backup Lamp Right, BACKUP LIGHT L-R, Backup Lights, Baggage Lamps, Balance 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, Battery Voltage Output, BCI LED Control, Bed Lamp, Blind Spot Indicator State, Blower Knob - Backlight, Blower Motor Speed, Blue Cooled Seat Indicators, Blue Heated Seat Indicators, Blue Temperature Bar, Boost Low Pressure Actuator, Boost Pressure, Boost Pressure Actuator, Both Headlamps Max High Position, Both Headlamps Max Low Position, Brake Failure Indicator, Brake Indicator, Brake Light, Brake State Output, Brake Switch, Brake system failure indication [BRAKE], BRAKE Text, Brake Warning Lamp, BSM State, BSM Wake Up, BTSI, BTSI Coil Output Control, BTSI Control, BTSI Solenoid, 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 Control, 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-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, Buzzer Control, Cabin Temperature Sensor, Camera Washer, Cargo Lamp, Cargo Light, Cargo Light Indicator, CARGO LIGHTS, Catalyst Efficiency Test, CEGR H-Bridge Valve Duty Cycle, Ceiling Light, Ceiling Light Rear Left, Ceiling Light Rear Right, Center High Mount Stop Lamp, Center Stop Lamp, Central high mounted Stop Light (CHMSL), Central Lock (Pass Side), CENTRAL LOCK PASSENGER, Channel 1 Audio Control, Channel 1 Audio Output Status, Channel 10 Audio Control, Channel 10 Audio Output Status, Channel 11 Audio Control, Channel 11 Audio Output Status, Channel 12 Audio Control, Channel 12 Audio Output Status, Channel 13 Audio Output Status, Channel 14 Audio Output Status, Channel 15 Audio Output Status, Channel 16 Audio Output Status, Channel 17 Audio Output Status, Channel 18 Audio Output Status, Channel 19 Audio Output Status, Channel 2 Audio Control, Channel 2 Audio Output Status, Channel 20 Audio Output Status, Channel 21 Audio Output Status, Channel 22



Audio Output Status, Channel 23 Audio Output Status, Channel 24 Audio Output Status, Channel 3 Audio Control, Channel 3 Audio Output Status, Channel 4 Audio Control, Channel 4 Audio Output Status, Channel 5 Audio Control, Channel 5 Audio Output Status, Channel 6 Audio Control, Channel 6 Audio Output Status, Channel 7 Audio Control, Channel 7 Audio Output Status, Channel 8 Audio Control, Channel 8 Audio Output Status, Channel 9 Audio Control, Channel 9 Audio Output Status, Charge Air Cooler Coolant Pump, CHARGE PLUG LOCK, CHARGE PLUG UNLOCK, 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 Lamp, Check Engine-MIL (Malfunction Indicator Lamp), Check PCM Odometer, Chiller Shut-off Valve, CHMSL, CHMSL Control, CHMSL Lamp, Close Door, Clutch Output, 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, Cold Start Aid Driver 1 Output, Compressed Natural Gas, Compression Test, Compressor Cool Down, Compressor Current, Compressor Running, Control All Solenoids, Control the steering column, Convenience/Reading Lamp, Convenience-Reading Lamp, Coolant Bad Indicator, Coolant Fill, Coolant Fill Active Pump, 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 Lamp 2, Courtesy Lamps, Crankcase Ventilation, Crankcase Ventilation Heater, Cushion Extender Motor, Cyl 1 Deactivation Sol Cntrl State, Cyl 6 Deactivation Sol Cntrl State, Cyl 7 Deactivation Sol Cntrl State, Cylinder 1 Deactivation Solenoid Control State, Cylinder 1 UniAir valve command, Cylinder 2 UniAir valve command, Cylinder 3 UniAir valve command, Cylinder 4 Deactivation Solenoid, Cylinder 4 Deactivation Solenoid Control State, Cylinder 4 UniAir valve command, Cylinder 6 Deactivation Solenoid Control State, Cylinder 7 Deactivation Solenoid Control State, Cylinder Balance Test, DAYLIGHT LAMP LT, DAYLIGHT LAMP RT, Daylights Left, Daylights Right, DC Clutch Volume Index Check, DeadLock Relay, DEADLOCK-SECONDARY LOCK (FT), DEADLOCK-SECONDARY LOCK (RR), Dedicated DRL Lamp Left, Dedicated DRL Lamp Right, DEF (Reductant) Pressure Line Heater Test, DEF (Reductant) Tank Heater Test, DEF Dosing Injection Quantity, DEF Reductant Doser Prime Override Test, DEF Reductant Doser Pump Override Test, Defeat Engine ON, Diesel Cabin Heat 1, Diesel Cabin Heat 2, Diesel Cabin Heat 3, Diesel Cabin Heater #1, Diesel Cabin Heater #2, Diesel Cabin Heater #3, Diesel Cabin Heater 1, Diesel Cabin Heater 2, Diesel Cabin Heater 3, Diesel Cabin Heater 4, Diesel Fuel Heater Relay, Digital Inputs1 High Memory, Direct Backlight, Disable Passenger Airbag Lamp Request, Display Start Inhibit Data, Door Ajar Indicator, Door Ajar Switches, Door Ambient Light State, Door Courtesy Lamp State, Door Handle Power, Door Handle Power Control, Door Handle Verification Test, Door Open, Vehicle Does Not Lower, Door Puddle Lamp State, Door Status Led, Double Start Override Relay, DOWN Select Button, Downstream lambda probe heater command, DPF Lamp, DPF Reset Option, D-Pillar Recline Switch forward, D-Pillar Recline Switch rearward, DR Solenoid, Drive Away function, Driver Cooled Seat, Driver Door Ajar, DRIVER DOOR LOCK LED, Driver Door Lock-Unlock, Driver Door Unlock, Driver Heated Seat, Driver Heated Seat Button, Driver heated seat relay command, Driver Side Seat Belt, Driver Temp Detents, Driver Temp Down Button, Driver Temp Rotary Direction, Driver Temp Up Button, DRIVER UNLOCK, DRL, DRL Lamp, DTCM Efficiency Position, DTI FUEL TRANSFER RLY, DTI LTR CLNT PMP, DTI SPRCHRGR BPV MOTOR, DTI TPBV Status, DTI VVL SOL1, DTI VVL SOL2, DTI VVL SOL3, DTI VVL SOL4, Dual Speed Fuel Pump Relay, Dual Speed Oil Pump, Dual Speed Oil Pump Status, Dual Tank Aux LP Relay, Duct Sensor – Floor Left, Duct Sensor –

Floor Right, Duct Sensor - Panel Left, Duct Sensors -Panel Right, Dump valve command, Duty Cycle Purge Solenoid, EAC Compressor Speed Request, Easy Entry/Exit, EBD Safety Lamp, EBD Warning Light, EBL (Rear Defrost) Button, 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, ECM WAKEUP, ECO, ECO Button, ECO Indicator, ECO LED, ECO ON-OFF Indicator, ECVD Compressor PWM Command, ECVD Compressor PWM Command~ECVD Compressor PWM Command, EGR Cooler Bypass, EGR DC Motor Sol Vlv Recir Vlv, EGR Duty Cycle, EGR Hi Pressure Motor Test, EGR Positioner, EGR Throttle Valve, EGR Valve Actuator Test, EGR Valve Replaced, EGR Valve Solenoid Duty Cycle, ELCM Forced Monitor Test, Electric Motor Control, Electric Power Steering Failure Indication, Electric Thermostat Heater, Electric Thermostat Heater Solenoid, Electric Thermostat Heater Solenoid Duty Cycle, Electric Transmission Oil Pump, Electric Vacuum Pump, Electric Wastegate Valve, Electronic Brake Distribution (EBD) safety indication, Electronic Parking Brake (EPB) failure indication, Electronic Stability Control, Electronic Stability Control Off, ELSD System Function Test, EMCC VLP Solenoid, Emergency Call Backlight LED PWM, Emergency Call Green LED PWM, Emergency Call Red LED PWM, Emissions Failure Lamp, Emissions Rolls Test Mode Is Active, EMTC Encoder Power Return, EMTC Encoder Power Supply (5V), Engine After Run Coolant Pump, Engine Check Lamp [MIL], Engine Digital Fan 1, Engine Digital Fan 2, Engine Off Injector Toggle Test, Engine RPM Control, Engine Running Injector Kill Test, Engine Speed Output, Engine Temp LEDs, Engine Temperature, Engine Warm Up, Enter, Enter Button, Enter Plant Mode, EPB Auto Apply Control, EPB Button lamp, EPB Drive Away Control, EPB Failure Lamp, EPB Function Lamp, EPB Service, EPB Switch Function LED, EPB Warning Light, EQ Loudness Test, ESC, ESC - HILL HOLDER Sys Fail Indicator, ESC Disable Lamp, ESC Failure Lamp, ESC Indicator, ESC Malfunction Lamp, ESC Off, ESC OFF lamp, ESC ON-OFF Indicator, ESC Safety Lamp, ESC System Deactivation, ESC System Intervention-Failure Indication HILL HOLDER System Failure Indication, ESCL 12 Volt Feed Control, ESCL Unlock Control, ESIM Forced Monitor Test, ESM Power Supply, ESP button, ESP Light, ETC Indicator Test, ETC Lamp, ETC System Test, ETC Throttle Follower Test, EVAP Purge Valve, Evaporator Sensor Temperature, Evaporator Temperature Sensor, EVCU Wake Up, Exhaust Brake, Exhaust Brake Auto Green, Exhaust Brake Yellow, Exhaust Gas Cooler Bypass Valve, Exhaust Gas Recirculation Valve, Extend Mileage With SCR Active Faults, External Temperature, Externally Controlled Variable Displacement (ECVD) Command (DC), F L Heat Seat Request - Output, F L Vent Seat Request - Output, F R Heat Seat Request - Output, F R Vent Seat Request - Output, Faceplate Controls-Eject, FAD Feedback Voltage, FAD Lock Request, FAD Power Output, FAD Request Output, FAD Supply Voltage, Fade Settings, Fan Clutch PWM Duty Cycle Output, Fan Clutch Test, Fan Control, Fan Off Button, Fan Rotary Detents, Fan Rotary Direction, Fast Down Leveling Test, Fault Message F1 -Service Air Suspension, FCW Button, Feature Pin, First Row Driver Seatbelt Buckle Sensor-Switch, First Row Passengers Seatbelt Buckle Sensor-Switch, Flasher-Rear backup Left Light, Flasher-Rear backup Right Light, Flipper Glass 2, Fog Lamp, FOG LAMP FT LT, FOG LAMP FT RT, Fog Lamps, Fog Lights, Foot Well, Foot Well/Halo Lamps, Foot Well-Halo Lamps, Forward Collision Warning OFF, Freeze Current State, Frequency Step Selection, Frequency Step Selection Tuner FM2, Front Blower Control, Front Blower Motor, Front Blower Speed, Front Ceiling Light, Front Collision Off, Front Collision Off, Front Defrost, Front Defrost -Backlight, FRONT DEFROST button, Front Defrost Indicator, Front Defrost-Max Defrost Button, Front Driver window lifter command, Front Fog, Front Fog Lamps, Front Fog Light Left, Front Fog Light Right, Front Fog Lights, Front Left Flasher, 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 Passenger window lifter command, Front Refrigerant Shut-off Valve, Front Right Flasher, Front Vertical Motor, Front Washer, Front Wiper (High/Low), Front Wiper (High-Low),

Front Wiper (On/Off), Front Wiper (On-Off), Front Wiper Hi Speed, Front Wiper Low-Int Speed, Front Wiper Test, Front/Rear Washer, Front-Rear Park Assist Button, Front-Rear Washer, Fuel Door Lock, FUEL DOOR UNLOCK, Fuel Door Uulock, Fuel Filter Heater, FUEL FILTER HEATER - PARK (L-R), Fuel Filter Heating, Fuel filter water level warn lamp, Fuel Filter Water Level Warning Lamp, Fuel Injector, Fuel Injector 1, Fuel Injector 1 Control State, Fuel Injector 2, Fuel Injector 2 Control State, Fuel Injector 3, Fuel injector 3 Control State, Fuel Injector 4, Fuel Injector 4 Control State, Fuel Injector 5, Fuel Injector 5 Control State, Fuel Injector 6, Fuel Injector 6 Control State, Fuel Injector 7, Fuel Injector 7 Control State, Fuel Injector 8, Fuel Injector 8 Control State, Fuel Injector Balance, Fuel Injector Cleaning, Fuel Level LEDs, Fuel Level low, Fuel Level Output, Fuel Metering Unit, Fuel Metering Unit Actuator, Fuel Pre Supply Pump, Fuel Pressure Override, Fuel Pressure Regulated O/P (Bar), Fuel Pressure Regulator, Fuel Pressure Regulator Valve, Fuel Pump, Fuel Pump Relay Control State, Fuel System Run Up Test, Functional LED Illumination Level, Functional LED State, Gas Injector Relay, Gasoline Indicator, GATED PARK RELAY, Gated Park ZFII Output, Gated Park ZFII Output Control, Gear Position, Gear Selection, Generator Ramp Time, Generator Speed Threshold, Glow Lamp, Glow Plug, Glow plug indication - Cold Start inhibition, Glow Relay, Grid Test, Haptic Motor, HCSS WAKEUP, Head Lamp Wash, Head Rest Actuation, Head Rest Relay, Headlamp Washer, Heated Rear Window, Heated Seat Automatic Addressing, Heated Seat Driver High Indicator, Heated Seat Driver Low Indicator, Heated Seat Driver Med Indicator, Heated Seat LED, Heated Seat Passenger High Indicator, Heated Seat Passenger Low Indicator, Heated Seat Passenger Med Indicator, Heated Steering Wheel, Heated Steering Wheel Button, Heated Steering Wheel indicator, Heated Steering Wheel PWM Control, Heated Steering Wheel Request - Output, Heated Steering Wheel~Heated Steering Wheel, Heater EBL, Heater Rear Window, Height Sensor Check, 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, High beam headlamp indication, High Beam Indicator, High Beam Left, High Beam Light, High Beam Right, High Beams, High Beams Lights, High Pressure Fuel Rail Test, High Pressure Fuel System Test, HIGH SIDE POWER SEAT RELAY, 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-Holder Safety Lamp-Message, Hood Ajar, Horizontal Headrest Motor, Horizontal Motor, Horizontal Motor Backward/Forward, Horn, Horn relay command, HPCR Duty Cycle, HPCR Duty Cycle Output, HSD 21W 1, HSD 21W 2, HSD 21W 3, HSD 21W 4, HSD FOR LED 1, HSD FOR LED 2, HSD RELAY 1, HSD RELAY 2, HSD RELAY 3, HSD RELAY 4, HSD RELAY 5, HSD RELAY 6, HSD RELAY 8, HUD Lighting Level, HVAC A-C Indicator, HVAC AUTO Indicator, HVAC Backlight Control, HVAC Blower Knob Direction, HVAC Cool Down Test, HVAC Front DEF Indicator, HVAC Mode Button, HVAC OFF Button, HVAC Power (OFF) Button, HVAC Rear DEF Indicator, HVAC REC Indicator, HVAC SYNC Indicator, H-W Switched 12 V Supply, I/O Control All-Limp Home Mode active, I/O Control All-Red Lamp, 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, Ignition Run - Acc 1, Ignition Run - Acc 2, Ignition Run - Start, Ignition RUN/ACC 1, Ignition RUN/ACC 2, Ignition RUN/START, Ignition RUN-ACC 1, Ignition RUN-ACC 2, Ignition RUN-START, Immobilizer Antenna, Immobilizer Antenna Test, In Motion Menu, Indicator Channel, Indicator Control-A/C Indicator, Indicator Control-Auto 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 Tests, Initiate P2BA9 SCR Refill Monitor, Injector 1 coil command, Injector 1 command, Injector 2 coil command, Injector 2 command, Injector 3 coil command, Injector 3 command, Injector 4 coil command, Injector 4 command, Injector Kill Test, Inlet Metering Valve, Inlet Valve FL, Inlet Valve FR, Inlet Valve Left Front, Inlet Valve Left Front (Normally Open), Inlet Valve Left Rear, Inlet Valve Left Rear (Normally Open), Inlet Valve LF(Normally Open), Inlet Valve LR (Normally Open), Inlet Valve RF (Normally Open), Inlet Valve Right Front, Inlet Valve Right Front (Normally Open), Inlet Valve Right Rear, Inlet Valve Right Rear (Normally Open), Inlet valve RL, Inlet valve RR, Inlet Valve RR (Normally Open), Input Test, Instrument Panel Illumination Level Output, Intake Air Throttle Actuator, Intake Air Throttle Actuator Test, Intake Manifold Short Runner Valve (SRV) Solenoid Control State, Intake Manifold Short Runner Valve Solenoid, Intake Manifold Tuning Valve (MTV) Solenoid Control State, Intake Manifold Tuning Valve Solenoid, Intake Port Shut Off, Intake Throttle Duty Cycle, Intake Throttle Duty Cycle Output, Interior Ambient Lighting, Interior Convenience Lamps, Interior Convenience Lamps 2, Interior Convenience Lamps 3, Interior Panel Dimming Lamps, Interior Panel Dimming Lamps 2, Interior Vanity Lamps, Internal Night Lights, Inverter, Inverter Enable, Inverter Enable Relay, Inverter Status Indicator, IOD RELAY ON LSD, I-P Illumination, IP Run 1, IP Run 3, IP Run Start 1, IP Run Start 2, IPC Self Test, IRCM Heater, IRCM Relay Unlock Control, ITOS - Cabin Temperature, Key Pad Back Lighting, Key Solenoid Coil, Keypad Backlight Control, KeySense, KIN ACC LED State, KIN Antenna Power, KIN LED Control, KIN OFF LED, KIN OFF LED State, KIN RUN LED, KIN RUN LED State, KIN Start/Stop LED State, KIN Start-Stop Button (SSB) LED, 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 not armed- on armed- on warning, Lane Departure Warning ON-OFF Indicator, Latch Motor Cinch Direction, Latch Motor Release Direction, Lateral Anti Tilt Sensor, LC Clutch Volume Index Check, LC Solenoid, LDP Solenoid, LDW Warning Indicator, Leak Detection Pump, Leak Detection Pump Forced Monitor Test, 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), LED Intensity Output, LED Outputs, LED Test - Damping Mode Automatic Active, LED Test - Damping Mode Hard / Sport Active, LED Test - Damping Mode Soft Active, Left Rear Tail/Park Lamp, Left Air Catcher LED, Left Auxiliary High Beam, Left Backrest Heat Seat Linear PWM Request -Output, Left Backup Lamp, Left Cushion Heat Seat Linear PWM Request -Output, Left Day Light Lamp, Left Daytime Running Lamp, Left DRL Light, Left Floor Duct Sensor, Left Front Fog Lamp, Left Front Fog Lamps, Left Front Park Lamp, Left Front Park Lamps, Left Front Side Marker, Left Front Turn Lamp, Left Front Turn Signal, Left Headrest Dump, Left HID Lamp, Left High Beam, Left High Beam Lamp, Left High Beam Shutter, Left Low Beam, Left Low Beam-HID, Left Panel Duct Sensor, Left Parking Lights, Left Rear AUX Turn Lamp, Left Rear Door Lock-Unlock, Left Rear Fog Lamp, Left Rear Fog Lamps, Left Rear Park Lamp, Left Rear Tail-Park Lamp, Left Rear Turn Lamp, Left Rear Turn Lamp (BUX), Left Rear Turn/Stop Lamp, Left Rear Turn-Stop Lamp, Left Reartail-Park Lamp, Left Recliner Switch, Left Reverse Lamp, Left Reverse Lamp 2, Left Reverse Lamp State, Left Seat Back Motor Adjustment, Left Seat Latch Motor Adjustment, Left Seat Stow Motor Adjustment, Left Side Markers, Left Signal Mirrors/Side Repeaters (BUX), Left Signal Mirrors-Side Repeaters (BUX), Left Signature Lamp, Left Solar Sensor Values, Left Stop-Turn Lamp, Left Temp Down -Backlight, Left Temp Down Button, Left Temp UP -Backlight, Left Temp Up Button, Left Trailer Tow Turn/Stop Lamp, Left Trailer Tow Turn-Stop Lamp, Left Turn Indicator, Left Turn Light, Left Turn Light Status, Left Turn Lights, Left Turn Signal Indicator, Left Turn Signal Lamp, Left turn signal lamp indication, Left Vent Seat Linear PWM Request -Output, Level Not Permitted, LF Antenna Verification Test, Licence Plate Lights, License Plate Lamp, License Plate Lamp WK -Right Rear Rail Lamp WD, License Plate Lamps, License Plate Lights, Lift Pump Relay, Liftgate Release Motor, LIN Anti Tilt Sensor Check,



LIN Line Request Check, Lin Module Data, LIN Siren Check, LIN Ultrasonic Sensors Check, Linear Hall, Linear Solenoid A, Linear Solenoid B, Linear Solenoid C, Linear Solenoid D, Linear Solenoid E, Linear Solenoid F, Linear Solenoid G, Load Level, Locate Learned Keys, LOCK 4WD, Lock Doors Command, Longitudinal Anti Tilt Sensor, Low Beam Left, Low Beam Light, Low Beam Lights, Low Beam Right, Low Beams, Low Fuel, LOW LED, Low Pressure Feed Valve 1, Low Pressure Feed Valve 1 (Normally Closed), Low Pressure Feed Valve 2, Low Pressure Feed Valve 2 (Normally Closed), 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, Low Temp Passive Pump 1, Low Temp Passive Pump 2, Lower LED, Lowering, Low-Reverse Solenoid, LR Clutch Volume Index Check, LR Door Ajar, LR DOOR LOCK LED, LR Solenoid, LSD FOR LED 3, LSU Heater 1, Main Left Temperature Actuator Position, Main/Left Temp Selected, Main-Left Temp. Door Actuator Position, Main-Left Temp. Door Position, Main-Left Temperature Actuator Position, Malfunction Indicator Lamp, Master Ept Wake Up Output, Master ePT Wake Up Output 1, Memory Seat ECU Self Test, Metering Unit, Metering Unit Actuator, Middle LED, Mid-Range Settings, MIL Lamp, Mirror Direction Control, Mirror Fold, Mirror Fold Window Control, Mirror Heat State, Mirror LED, Mirror LED -Day-Night, Mirror LED Left State, Mirror LED -ON-OFF, Mirror LED Right State, MIRROR PUDDLE LIGHT L-R, Mirror Puddle Lights, Mirror Right LED State, Mirror Signal Lamp State, Mirror Vertical/Horizontal Direction, Mode, Mode 2 Actuator Position (Defrost Panel Door), Mode -Backlight, Mode Button, Mode Door 1 (Panel), Mode Door 2 (Defrost-Demist), Mode Door 3 (Floor), Mode Selection, Motor A Control, Motor B Control, Motor Brake State, Motor Control Close Output, Motor Control Open Output, Motorized Thermistor-Cabin Temp, MS Solenoid, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, Mute, MUTE button, Mute Test, Neutral, Neutral Gate Test (62TE), Neutral Gate Test (Non-RFE), Neutral Gate Test (RFE), Neutral LED, Night lighting command, NOx Sensor Replacement, O2 Heater Test, O2 Heater Tests, 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, Offroad Level 1, Offroad Level 2, 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, Oil Pressure Output, Open Door Test, Open-Close, OPTIONAL HSD 1 PWM, OPTIONAL HSD 2 PWM, ORC RELAY CONTROL, Outlet Valve FL, Outlet valve FR, Outlet valve front left activation, Outlet valve front right activation, Outlet Valve Left Front, Outlet Valve Left Front (Normally Closed), Outlet Valve Left Rear, Outlet Valve Left Rear (Normally Closed), Outlet Valve LF (Normally Closed), Outlet Valve LR (Normally Closed), Outlet valve rear left activation, Outlet valve rear right activation, Outlet Valve RF (Normally Closed), Outlet Valve Right Front, Outlet Valve Right Front (Normally Closed), Outlet Valve Right Rear, Outlet Valve Right Rear (Normally Closed), Outlet valve RL, Outlet valve RR, Outlet Valve RR (Normally Closed), Over Drive Solenoid, Over Drive Solenoid On Time, Over-Drive Solenoid, Overdrive Switch Test, Overdrive Switch Test (Non-RFE), OverDrive Switch Test (RFE), Oxygen Sensor 1 Heater, Oxygen Sensor 1/1 Heater Control State, Oxygen Sensor 1/1 Heater Duty Cycle, Oxygen Sensor 1/2 Heater Control State, Oxygen Sensor 1/2 Heater Duty Cycle, Oxygen Sensor 1-1 Heater Duty-Cycle, Oxygen Sensor 1-2 Heater Duty-Cycle, Oxygen Sensor 2 Heater, Oxygen Sensor 2/1 Heater Control State, Oxygen Sensor 2/1 Heater Duty Cycle, Oxygen Sensor 2/2 Heater Control State, Oxygen Sensor 2/2 Heater Duty Cycle, Oxygen Sensor 2-1 Heater Duty Cycle, Oxygen Sensor 2-1 Heater Duty-Cycle, Oxygen Sensor 2-2 Heater Duty Cycle, Oxygen Sensor 2-2 Heater Duty-Cycle, Oxygen System Heater Test, PARK - SIGNATURE LEFT, PARK - SIGNATURE RIGHT, Park Assist Switch Simulation, Park Lamp Rear Left, Park Lamp Rear Right,



Park LED, Park Light, Park Mode Level, Park Mode Pending, Park Pawl Actuator Control, Parking Brake And Low Brake Fluid, Parking Position Lamp Indication, PARK-SIGNATURE LEFT, PARK-SIGNATURE RIGHT, Parttime LED, Passenger Airbag (PAB) Status, Passenger Airbag LED, Passenger Cooled Seat, Passenger Door Ajar, PASSENGER DOOR LOCK LED, Passenger Door Lock-Unlock, Passenger Door Unlock, Passenger Heated Seat, Passenger Heated Seat Button, Passenger heated seat relay command, Passenger Occupant Detection Sensor (ODS), Passenger Seat Belt, Passenger Temp Detents, Passenger Temp Down Button, Passenger Temp Rotary Direction, Passenger Temp Up Button, Pedals, Pedals Forward/Backward, Permanent Static System Fault, 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, PLGM Chime Output, PLGM Drive Clutch Output, PLGM Drive Motor-Close Direction, PLGM Drive Motor-Open Direction, Pneumatic Intercooler Bypass, Pneumatic Waste Gate, Police Passenger Un-Lock Motor, Position Lamp, Position Lamp Telltale, Position Lights, Power (OFF), Power Down, Power limitation function, Power Mirror Feed Relay Control, Power On and Disable User Inputs, PPPA, PPPA ON-OFF Indicator, 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), 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, Puddle Lamp State, Pump, Pump Control, Purge canister valve command, Purge Solenoid Duty Cycle, Purge Vapors Test, PWM Fan Actuation Test, PWM Output, R L Heat Seat Request - Output, R R Heat Seat Request - Output, 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, Radio List Enter Button, Radio List-Enter Button, Radio Mute Backlight, Radio Mute Button, Radio Power Button, Radio Screen OFF Backlight, Radio Screen OFF Button, Radio Tune-Scroll Knob Direction, Radio Volume, Radio Volume Knob Direction, Rail Pressure, Rail Pressure Sensor Replacement, Raising, Raising Lowering Interrupted, 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, Read VIN, Ready, Rear Axle Lock, Rear Axle Locker Command, Rear Blend Door Output, Rear Blower CFM, Rear Blower Speed Output, Rear Blower State, Rear Defrost Backlight, Rear Defrost Button, Rear Defrost Indicator, Rear Driver Floor Duct Sensor Temperature, Rear Driver Panel Duct Sensor Temperature, Rear Fog, Rear Fog Lamps, Rear Fog Light, Rear Fog Light Status, Rear Heated Window, Rear Left Position Light, Rear Left Position Light Status, Rear Left window lifter command, Rear Left Window Manual Mode, Rear Mode Door Output, Rear Right Position Light, Rear Right Turn Lamp, Rear Right window lifter command, Rear Right Window Manual Mode, Rear Vertical Motor, Rear Window Washer, Rear Window Wiper, Rear Wiper, Recirc, Recirc -Backlight, RECIRC button, RECIRC Indicator, Recirc. Door Actuator Position, Recirculation Door Actuator Position, Recirculation LED, Recirculation Pump, Recirculation pump activation, Recliner, Recliner Motor, Red Brake Lamp, Red Hazard Button, Red Heated Seat and Steering Wheel Indicators, RED Heated Seat Indicators, Red Temperature Bar, Reduce Speed, Redundant Ignition RUN/START Feed Output Control, Redundant Ignition RUN-START Feed Output, Redundant Ignition RUN-START Feed Output

Control, Remote Start Antenna Test, Repetition driver door open for MTA (Robotic Gear), Reverse Gear Clutch Test (62TE), Reverse Gear Clutch Test (Non-RFE), Reverse Gear Clutch Test (RFE), Reverse Gear Light, Reverse Gear Light Status, Reverse Gear Lights, Reverse Lockout Solenoid, Reverse Lockout Solenoid Control State, Right Air Catcher LED, Right Auxiliary High Beam, Right Backrest Heat Seat Linear PWM Request -Output, Right Backup Lamp, Right Cushion Heat Seat Linear PWM Request -Output, Right Day Light Lamp, Right Daytime Running Lamp, Right DRL Light, Right Floor Duct Sensor, Right Front Door Handle Power, Right Front Fog Lamp, Right Front Fog Lamps, Right Front Park Lamp, Right Front Park Lamps, Right Front Side Marker, Right Front Turn Lamp, Right Front Turn Signal, Right Headrest Dump, Right HID Lamp, Right High Beam, Right High Beam Shutter, Right Low Beam, Right Low Beam-HID, Right Panel Duct Sensor, Right Parking Lights, Right Rear Door Handle Power, Right Rear Door Lock LED, Right Rear Door Lock-Unlock, Right Rear Fog Lamp, Right Rear Fog Lamps, Right Rear Park Lamp, Right Rear Tail/Park Lamp, Right Rear Tail-Park Lamp, Right Rear Turn Lamp, Right Rear Turn Lamp (BUX), Right Rear Turn/Stop Lamp, Right Rear Turn-Stop Lamp, Right Reartail-Park Lamp, Right Recliner Switch, Right Reverse Lamp, Right Reverse Lamp #2, Right Reverse Lamp 2, Right Reverse Lamp State, Right Seat Back Motor Adjustment, Right Seat Latch Motor Adjustment, Right Seat Stow Motor Adjustment, Right Side Markers, Right Signal Mirrors/Side Repeaters (BUX), Right Signal Mirrors-Side Repeaters (BUX), Right Signature Lamp, Right Solar Sensor Values, Right Stop-Turn Lamp, Right Temp Actuator Position, Right Temp Down -Backlight, Right Temp Down Button, Right Temp Up -Backlight, Right Temp Up Button, 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 Indicator, Right Turn Light, Right Turn Lights, Right Turn Signal Indicator, Right Turn Signal Lamp, Right turn signal lamp indication, Right Vent Seat Linear PWM Request, Right Vent Seat Linear PWM Request -Output, Roller Learning Shut-Off, Rotary 4 Detents, Rotary 4 Direction, RPS Power Supply (5V), RR Door Ajar, RR DOOR LOCK LED, RT-LT Sidemarkers-RT-LT Applique Parklamps, Run, Run Acc 2, Run-Start 1, SBMT, SBMT (Supply Battery Monitoring Time), SCR Inlet Temp Sensor Replacement, SCR Relay Actuation Test, Screen Off, SCREEN OFF button, Screen Test Pattern, SDAR Station Selection, Seat Belt, Seat Belt Lamp, Seat Belt Light, Seat belt unfastened Lamp, Seat Mode Switch Adjustment, Seat Position Recall, Seat Selector Switch Adjustment, 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, Seek Status Tuner AM-FM, Seek Status Tuner DAB, Select Level Switches, Select Level Switches-Damping Mode Button, Self Test, Sensor Rolls Test, Separation Valve (SV - Normally Open), SERV LED, Service Air Suspension, See Dealer Now -(Red Lamp), Service Lamp, Set Engine RPM Test, Shift Lever Position Test (62TE), Shift Lever Position Test (Non-RFE), Shift Lever Position Test (RFE), Shift Lock Command, Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid 3, Shift Solenoid 4, Shift Solenoid 5, Shift Solenoid 6, Shift Solenoid A, Short Term Control Motor Current, Shutoff Correction Quantity, Shutoff Injector Quantity, Side Marker, Side markers, Side Mirrors Heater Control, SIDE TURN LEFT, SIDE TURN RIGHT, SIGNATURE LAMP LT, SIGNATURE LAMP RT, 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, SPARE LED LAMP DRIVER, SPARE RELAY 1 LSD, SPARE RELAY 2 LSD, Speaker Quadrant Selection, Split Cooling Drive Duty Cycle, Sport ON-OFF Indicator, Spring Deflate To Atmosphere, Spring Deflate to Reservoir, SRS Indicator Lamp Request, SRS Lamp, SRV Test, Standard Vehicle Level, Start Stop LED, Start/Stop System, Starter, Starter Relay, Starter Solenoid, Starter Solenoid (High), Starter Solenoid High, Starter Status, Steering Column, Steering Wheel Linear PWM

Request -Output, Stop - Start System Active Indicator, STOP - STOP TURN LEFT, STOP - STOP TURN RIGHT, Stop / Start System Active Lamp, Stop Lamp, Stop Light, Stop Light Status, Stop Start Confirmation, Stop/Start System Active, Stop-Start Activation, Stop-Start ON-OFF Indicator, Stop-Start System Active, STOP-STOP TURN LEFT, STOP-STOP TURN RIGHT, Stop-Turn Lamp Left, Stop-Turn Lamp Right, Sun Shade Control, Sunroof Enable, SUNROOF MOTOR, Surge Solenoid Control State, 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, SYNC Indicator, System Disabled (Tire Jack Mode), System Temporarily Not Available, System Wiring Test, T Case Service Indicator Request, TAIL - SIDE MARKER LEFT, TAIL - SIDE MARKER RIGHT, Tail Gate Lock, Tail Gate Unlock, TAIL-SIDE MARKER LEFT, TAIL-SIDE MARKER RIGHT, T-Case Motor Brake HSD Output, T-Case Motor Brake LSD Duty Cycle, T-Case Motor Direction, 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 Fog Front, Telltale Glow Plug, Telltale High Beam, Telltale MIL, Telltale Seat Belt, Telltale Tire Pressure Monitor, Telltale Turn Left, Telltale Turn Right, Telltale - ESC, Telltale - ESC Off, Telltale - ESP Off, Telltale - Park, Telltale - Position Lamp, Telltale - Rear Fog, Telltale ESP/BAS, Telltale-Tire Pressure, Telltale-Tire Pressure Monitor, Telltale-Tow Mode, Temporary Remote Start Disable, Thermal System Enable, Thermistor Test, Thermostat Drive Duty Cycle, Third Row Center Seatbelt Switch, Third Row Left Seatbelt Switch, Third Row Right Seatbelt Switch, Throttle Test, Throttle Valve, Throttle Valve Actuator, Tilt Mirrors in Reverse, Timeout Time Flash To Pass, Timeout Time Paddle Shift Switches, Tire Pressure, Tire Pressure Monitoring, Tone Test, Top LED, Topper Center Mounted Stop Lamp, TOPPER CHMSL, Torque Coupling Control, TOW-HAUL, Tow-Haul Indicator, TPM Sensor Rolls Test, TPMS, TPMS Generic Failure Lamp, TPMS Generic Failure Monitoring Lamp, Trac Cntrl Outlet Vlv 1(Normal open), Trac Cntrl Outlet Vlv 2(Normal open), Traction Control Outlet Valve 1, Traction Control Outlet Valve 1 (Normally Open), Traction Control Outlet Valve 2, Traction Control Outlet Valve 2 (Normally Open), Trailer Backup Lamps, Trailer BU Lamps, Trailer Tail Lamp Relay, Transfer Case 4WD/Lock/Part Lamp, Transfer Case AWD/Auto/Full Lamp, Transfer Case Clutch Torque, Transfer Case Low Lamp Request, Transfer Case Neutral Lamp Request, Transmission Component Tests, Transmission Verification Test, Transponder Antenna Power, Treble Settings, Truck Bed Lighting Leds, Truck Cargo Lamps, Trunk Door Handle Power, Trunk Opening Relay, Trunk Release Relay, Trunk/Flipper Glass Release Motor, Trunk-Flipper Glass Release Motor, Trunk-Gate, Trunk-Liftgate Ajar, Tumble Generator Valve, Tune Knob - Backlight, Tuner Rotary Detents, Tuner Rotary Direction, Turbo/VGT Component Replacement, Turn Left, Turn Light, Turn Right, Turn Signal Lamp State, Twilight Sensor Value, UConnect Live Apps Installation, UD Clutch Volume Index Check, UD Solenoid, UGDO, UGDO Power Supply, Under Inflation Lamp, Under Inflation Monitoring Lamp, Underdrive Solenoid, Under-Drive Solenoid, Universal Garage Door Open, Unlock 1/Driver Lock, Unlock 1-Driver Lock, Unlock 2/Passenger Locks, Unlock 2-Passenger Locks, Unlock doors command, Unlock Left Rear, Unlock Left Rear Door, UNLOCK LT RR, Unlock Right Rear, Unlock Right Rear Door, UNLOCK RT RR, Unlock Run -Start, Unlock RUN-START, UP Select Button, Upstream lambda probe heater command, Urea (Reductant) Pressure Line Heater Actuation Test, Urea (Reductant) Tank Heater Actuation Test, Urea Dosing Valve Actuation Test, Vacuum Cleaner Power Saver Indicator, Vacuum Cleaner Relay Driver, Vacuum Cleaner Switch Backlight, Vacuum Pump Relay, Variable Displacement AC, Variable Swirl Actuator, Variable Swirl Valve Shutoff, Variable Valve Timing, VVT Control Valve, Vehicle Speed Output, Vehicle Speed-RPM, Vehicle Sway Green, Vehicle Sway White, Vehicle Sway Yellow, Vehicle Theft Alarm, Vertical Front, Vertical Headrest Motor, Vertical Rear, VES Display Screen Control, VES Headphone Tone Test-Headphone 1, VES Headphone Tone Test-Headphone 2, 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, VOLTAGE STABILIZER STATUS LED, Volume Knob -Backlight, Volume Rotary Detents, Volume Rotary Direction, VSO, VTA Indicator LED, VTA Lamp, 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, Washer Camera, Waste gate valve command, Wastegate Solenoid Control State, Wastegate Solenoid Duty Cycle, Water In Fuel, Water Pump Charge Air Cooling, 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, Wind shield Wash, Wind shield wiper, Window Control, Window Hall Sense Supply, Window lifter commands enable, Window lifter enable commands, Window State, Windshield heater, Windshield Heater Relay, WINDSHIELD HEATER RELAY DR, Windshield Wash, Windshield Washer, Windshield wiper, WK Head Rest Relay, Yellow A/C and Auto Indicators, Yellow Button Indicators, Yellow Fault Lamp, Yellow Lane Departure Warning Indicator, Yellow Rear Defrost Indicator, Yellow Recirc Indicator

## New Ford/Lincoln Coverage

- Added coverage for 102 new system applications

### 5 new Adjustment type special tests:

Electronic Parking Brake (EPB) Initialization, Interactive Vehicle Dynamics (IVD) Initialization Sequence, Misfire Monitor Profile Correction (Crank Relearn), Occupant Classification System Module (OCSM) Reset, Reset KAM

### 293 new Actuation type special tests:

% Of Total Fuel Mass To Be Delivered By Direct Inj -Commanded, (Cruise) Resume Switch, (Cruise) Set- Switch, (Cruise) Set+ Switch, 4WD-AWD Front Axle Disconnect - Clutch Commanded State, 4WD-AWD Front Axle Disconnect - High Level Strategy Commanded, 4WD-AWD Power Transfer Unit - Clutch Commanded State, 4WD-AWD Power Transfer Unit - High Level Strategy Commanded, 4WD-AWD Rear Differential Unit Actuator -A- Requested Torque, 4WD-AWD Transfer Case Actuator -A- Requested Torque, 4WD-AWD Transfer Case Motor Position Request, ABS Valve Power Supply, ABS Warning Lamp, A-C Recirculating Servo Position Status, Active 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, AHD (Auto Headlamp Dipped), Air Conditioning Clutch Engaged, Air Conditioning Compressor Commanded State, Air Mode Actuator, Airbag Warning Indicator, All Warning Lamps, Anti-Theft Horn Status, Auxiliary Blower Output, Auxiliary Transmission Fluid Pump Commanded, Auxiliary Transmission Fluid Pump Control % Speed - Commanded, Backward Pedal Position Control, Blind Spot Detection System Telltale, Blower Motor Speed, Brake System Fault Indicator Lamp, Cabin Coolant Heater Control, Cabin Heater Diverter Valve, Camera Power Control, CCW Relay, Center High Mounted Stop Lamp Output Control, Center Speaker Status, Center Tweeter Status, Commanded Equivalence Ratio (Air to Fuel Mixture) Bank 1, Common Vertical Horizontal Left Mirror Motor, Common Vertical Horizontal Right Mirror Motor, Continuous Vacuum Hublock Output Engaged, Coolant Overtemp, Coolant Pump -A- Control Speed - Commanded, Coolant Pump -A- is Commanded On, Coolant Pump -B- Control Speed - Commanded, Courtesy Lamps, Courtesy Puddle Step Lamps, CW Relay, DC To DC Converter Enable, Delayed Accessory Power, Demand Lamp Output, Desired Idle Speed (Rpm), Desired RPM for Idle Speed Control (High Res.), Diesel Pre-Heater, Door Ajar Warning Indicator, Driver Heated Seat, Dynamic Stability Control (DSC) Off, Eco Stop-Start, EGR Valve Position Desired, Electric Transmission Fluid Pump Control Duty Cycle - Commanded,



Engine Coolant Bypass Valve Control Output, Engine Coolant Bypass Valve -D- Output Status, Engine Idle Shutdown Extended, Engine Oil Pressure Control Duty Cycle - Commanded, EVAP Canister Vent Valve Open - Close, EVAP Purge Valve duty cycle, EVAP Vapor Blocking Valve Open - Close, Evaporative System Leak Detection Pump Commanded State, Exhaust Flow Control Valve -A- Position - Commanded, Exhaust Flow Control Valve -B- Position - Commanded, Exhaust Heat Exchanger Bypass Valve A Control Signal Duty Cycle, Fan control high speed, Fan control low speed, Fan Speed Desired, FM Radio Band, Forward Pedal Position Control, Four Wheel Drive Clutch Output, Front Fog Lamp Indicator, Front Fog Lamps Request, Front Park Lamps Output, Front Window Down Output, Front Window Up Output, Frunk Latch Relay State, Frunk Power Relay State, Fuel Fill Door Unlock Output - Commanded To Enable State, Fuel Gauge Indicator Control, Fuel Pressure Control Valve, Fuel Pump Relay, Fuel Pump, Fuel Rail Pressure Desired, Fuel Volume Control Valve, Gear Commanded, General Warning Indicator 1 (Red), General Warning Indicator 2 (Amber), Generator 2 Voltage Desired, Generator Voltage Desired, Glow Plug Voltage Commanded, Heater Control For HO2S 11 And HO2S 21, Heater Control For HO2S 12 And HO2S 22, HEV Ready Light, High Beam Indicator, Hill Descent Control, Horizontal Motor Backward, Horizontal Motor Forward, Horn Output, Horn Relay, Hybrid-EV Traction Battery Thermal System Operational Levels, Hydraulic Pump Motor, Intake Manifold Runner Control, Key (Removal) Inhibit, KOEO Self Test, KOER Self Test, Lamp Control, Lane Departure Warning Telltale, LED Backlighting, Left Blend Door Position, Left Bottom Bolster Bladder Inflate Status, Left Cursor Down Arrow, Left Cursor Left Arrow, Left Cursor OK Button, Left Cursor Right Arrow, Left Cursor Up Arrow, Left Front Defrost Output, Left Front Dump, Left Front Fog Lamp, Left Front Isolation Valve, Left Front Speaker Status, Left Front Turn Signal Lamp Status, Left Front Tweeter Status, Left Front-Right Rear Traction Control Supply 1, Left Front-Right Rear Traction Control Valve 1, Left Headlamp High Beam, Left Headlamp Low Beam, Left Rear Dump, Left Rear Isolation Valve, Left Rear Speaker Status, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Rear Tweeter Status, Left Side Bolster Bladder Inflate Status, Left Side Turn Repeater Status, Left Turn Signal Lamp Status, License Plate Lamp Output, Liftgate Release Output Status, LIGHTS ON WARNING., Line Pressure Control Desired, Load Shed Output Control, Low Fuel Warning Indication, Low Washer Fluid Warning, Lower Lumbar Bladder Inflate Status, Lumbar Forward Motor Control, Maintenance Warning Lamp, Max Defrost, Mid-Lumbar Bladder Inflate Status, Mirror Fold In Output, Mirror Fold Out Output, Motor Electronics Coolant Pump, Oil Pressure Low Indicator, Oil Pressure, On Demand Test, One-Touch Start Status, Output State Control Of Torque Converter, Over Drive (O-D) off, Passenger Heated Seat, PCM WAKEUP LINE, Performance Shift Lamp, Piston Control Valve State - Commanded, Power Fold Mirror Activation Status, Rear (Hvac) Mode Control Input, Rear Blower Control, Rear Fog Lamp Indicator, Rear Locking Diff Output Duty Cycle (Optional), Rear Motor Down, Rear Motor Up, Rear Temperature Flap Position, Rear Window Down Output, Rear Window Up Output, Recline Motor Backward, Recline Motor Forward, Reverse Lamp, Right Blend Door Position, Right Bottom Bolster Bladder Inflate Status, Right Cursor Down Arrow, Right Cursor Left Arrow, Right Cursor OK Button, Right Cursor Right Arrow, Right Cursor Up Arrow, Right Front Defrost Output, Right Front Dump, Right Front Fog Lamp, Right Front Isolation Valve, Right Front Speaker Status, Right Front Turn Signal Lamp Status, Right Front Tweeter Status, Right Front-Left Rear Traction Control Supply 2, Right Front-Left Rear Traction Control Valve 2, Right Headlamp High Beam, Right Headlamp Low Beam, Right Rear Dump, Right Rear Isolation Valve, Right Rear Speaker Status, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Rear Tweeter Status, Right Side Bolster Bladder Inflate Status, Right Side Turn Repeater Status, Right Turn Signal Lamp Status, Rod Control Valve State - Commanded, 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, Service Tool~~



Fuel Multiplier For Cylinder 1, Service Tool Fuel Multiplier For Cylinder 2, Service Tool Fuel Multiplier For Cylinder 3, Service Tool Fuel Multiplier For Cylinder 4, Service Tool Fuel Multiplier For Cylinder 5, Service Tool Fuel Multiplier For Cylinder 6, Service Tool Fuel Multiplier For Cylinder 7, Service Tool Fuel Multiplier For Cylinder 8, Shift Interlock Circuit Status, Shift Solenoid F Commanded Current, Shift Solenoid G Commanded Current, Shift Solenoid Pressure Control A, Shift Solenoid Pressure Control B, Shift Solenoid Pressure Control C, Shift Solenoid Pressure Control D, Shift Solenoid Pressure Control E, Shock Setting Button, Side Light Lamp, Side Mirror Heating Output Control, Side Mirror Turn Signal Lamp Control, Sounder Output Request, Spark Advance, Speed Control (ASLD) Switch, Speed Control Actuator Switch Off, Speed Control Actuator Switch On, Speed Control Cancel Switch, Speed Control Cancel-Resume Switch, Speed Control Gap Switch, Speed Control On-Off Cancel Switch, Speed Control On-Off Switch, Speedometer, Spotlight Mirror Output, Spotlight Switch Indicator Status, Spotlight Switch Status, 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, Subwoofer Status, Tachometer Gauge Indicator Control, Temperature Gauge, Third Row Left Speaker Status, Third Row Power Fold Seat Output, Third Row Right Speaker Status, Throttle Position - Desired, Tire Pressure Telltale Status, Torque Converter Clutch Solenoid Commanded Current, Traction Control Indicator, Traction Control Off Indicator, Trailer Brake Output Circuit Duty Cycle - Measured, Trailer Tow Park-Tail Lamp Output, Trans Hydraulic Accumulator Sol Ckt - Commanded Energized, Transfer Case Shift Motor Pos Sense - Contact Plate Power Stat, Transmission System (Mil) Fault, Transmission Temperature Gauge Pointer Position, Turbo Boost Gauge Pointer Placement Command, Turbocharger Bypass Valve 1, Turbocharger-Supercharger Wastegate -A- Commanded, Upper Lumbar Bladder Inflate Status, Variable Camshaft Timing Exhaust Angle Desired, Variable Camshaft Timing Intake Desired Angle, Variable Geometry Turbocharger Commanded, Vertical Left Mirror Motor, Vertical Right Mirror Motor, Viscous Fan Pulse Width Modulated Control - Commanded, Volume, Warning Chime Status, Warning Lamp Status 1 - Charge Warning, Water In Fuel Indicator, White Lighting (Reflective Controls) Illumination Output

## New GM Coverage

- Added coverage for 1309 new system applications

## 82 new Adjustment type special tests:

Adaptive Pressure Control Learn, Ambient Air Temperature Calculation Reset, Automated Brake Bleed, Automatic Headlamp Leveling Sensor Learn, Backup Battery Timer Reset, BARO Sensor Reset, Brake Pedal Position Sensor Learn, Brake Pedal Travel Sensor Learn, Brake Pressure Sensor Calibration, Brake System Plunger Motor Position Sensor Learn, Brake System Plunger Pressure Rise Starting Point Learn, CAN Bus Configuration Learn, Cancel Camera Learn, Clear Approach Detection Disable Reasons, Clear Disable History Data, Clear Driver Window Learned Values, Clear Left Rear Window Learned Values, Clear Manufacturer Enable Counter, Clear Passenger Window Learned Values, Clear Right Rear Window Learned Values, Clear Short Range Radar Sensor Vehicle Position, Configuration/Reset Functions, Configure New Module, Control Module Reset, Crankshaft Pos Variation Learn, Drive Motor Position Sensor Offset Reset, Engine Coolant Pump Data Reset, Engine Oil Life Reset, Front Axle Brake Pad Life Monitoring Reset, Fuel Pump Driver Control Module Configuration, Fuel Pump Trim Reset, Fuel Trim Reset, Heated Oxygen Sensor Heater Resistance Learned Values Reset, HVAC Actuators Learn, HVAC Afterblow Configuration, Hybrid/Electric Vehicle Battery Interface Control Module Over Temperature Reset, Hybrid/Electric Vehicle Battery Interface Control Module Voltage Sensor Circuits High - Low Reset, Hydraulic Test, Intake System Learned Values Reset, License Compliance Materials Download Error Counter Reset - Wireless Charging System Equipped, License Compliance Materials

Download Error Counter Reset, Liftgate Maximum Open Position Learn, Park Brake Calibration, Passenger Presence Sensor Learn, Power Steering Active Pull/Drift Compensation Learn, Power Steering Softstops Learn, Powertrain Compartment Cover Cycle Counts Reset, Powertrain Compartment Cover Drive Unit Learn, Powertrain Compartment Cover Hold Open Counter Reset, Powertrain Compartment Cover Obstacle Counter Reset, Powertrain Compartment Cover Zone Counter Reset, Radio Favorites Reset, Range Actuator Correlation Learn, Range Actuator Learn, Rear Axle Brake Pad Life Monitoring Reset, Rear Differential Hydraulic System Service Bleed, Rear Gate Driver Information Center Message Reset, Remote Vehicle Speed Limiting Reset, Request Radio Registration, Reset Event Records, Reset Functions, Reset High Voltage Disable Request After Crash Event Detected, Reset History Buffer, Reset Teen Driver Key PIN, RVS Disable History Reset, Steering Wheel Angle Sensor Centering, Steering Wheel Angle Sensor Learn, Steering Wheel Angle Sensor Offset Calibration, System Isolation / Impact Sensor Fault - Hybrid/Electric Vehicle Battery System Reset, Theft Deterrent Relearn, Throttle Body Idle Air Flow Compensation Reset, Tire Pressure Reset, Transfer Case Clutch Overtemperature Counter Reset, Transmission Adaptive Pressure Reset, Transmission Oil Life Reset, Transmission Service Fast Learn, Turbocharger Wastegate Learn, Variable Exhaust Control Valve Learn, Vehicle Dynamic Sensor Offset Calibration, Vehicle Longitudinal Accelerometer Sensor Learn, WLAN Password Reset, Yaw Rate Sensor Learn

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

A/C Compressor Clutch, ABS Pump Motor, AC Compressor Solenoid Valve, Accent Lighting 1, Accent Lighting 2, Accessory Circuit 1 Command, Accessory Circuit 2 Command, Accessory Circuit 3 Command, Accessory Circuit 4 Command, Accessory Power Mode Indicator, Accessory Power Relay, Accessory/Retained Accessory Power Relay, Activate Rear Park Brake Service Position, Air Cleaner Monitor Setup, Air Recirculation Door Motor Direction, All Indicators, Assist Step Courtesy Lamp, Audio Source Control, Automatic Transmission Auxiliary Fluid Pump, Auxiliary Blower Motor Speed Command, Auxiliary Coolant Pump, Auxiliary Ignition Run Relay, Backlight Dimming, Backup Lamps, Balance, Bass, Blower Motor Speed, Blower Motor, Brake Booster Electric Vacuum Pump, Brake Hydraulics Test, Brake System Boost Pressure Test, Brake System Hydraulics Corner Test, Cargo Lamp, Center Brake Lamp, Center High Mounted Stop Lamp, Charge Port Light Command, Child Security Lock Motors, Child Security Lock/Window Lockout Switch Indicator, Chime, Clear Advanced Parking Assist Disable History Data, Clear Parking Assist Disable History Data, Compression Test Starter Control, Control Functions, Coolant Temperature Gauge Sweep, Cooling Fan 3, Courtesy Lamps, Cylinder Deactivation System Service Bay Test, Cylinder Deactivation System, Cylinder Power Balance, Deactivate Brake Boost System, Deactivate Rear Park Brake Service Position, Depressurize Fuel System, Display Check, Door Lock / Unlock, Drive Motor Clutch Actuator, Drive Motor Clutch, Drive Unit Fluid Pump 2 Speed Command, Drive Unit Fluid Pump Speed Command, Drive Unit Fluid Pumps Speed Command for Service Fill, Drive Unit Park Control Actuator Command, Driver Mirror Fold, Driver Mirror Movement, Driver Seat Back Horizontal Movement, Driver Seat Cushion Front Vertical Movement, Driver Seat Cushion Left Front Haptic Movement, Driver Seat Cushion Left Rear Haptic Movement, Driver Seat Cushion Rear Vertical Movement, Driver Seat Cushion Right Front Haptic Movement, Driver Seat Cushion Right Rear Haptic Movement, Driver Seat Horizontal Movement, Driver Window Motor, Emblem Light, Engine Controls Ignition Supply Voltage, Engine Coolant Control Valve Mode, Engine Coolant Control Valve Position, Engine Coolant Control Valve, Engine Coolant Pump, Engine Cooling Fan 2, Engine Cooling Fan, Engine Oil Pressure Control Valve, Engine Oil Type Setup, Engine Speed, Equalize All Air Spring Pressures, Equalize Front Axle Spring Pressures, Equalize Rear Axle Spring Pressures, Erase Valet Mode Code, EVAP Canister Purge Valve, EVAP Purge Pump, EVAP Purge/Seal, EVAP Service Bay Test, Evaporative Emission Canister Purge Valve Leak Test, Evaporative Emission Canister Vent Valve, Exhaust

Camshaft Position Actuator Position, Exhaust Control Valve Position, Exit Four Corner Air Suspension Service Control Mode, Exterior Driver Door Handle Switch, Exterior Left Rear Door Handle Switch, Exterior Passenger Door Handle Switch, Exterior Right Rear Door Handle Switch, Fader Position Control, Fog Lamps, Forward Collision Alert Switch, Front Axle Differential Lock High Control Relay, Front Axle Differential Lock Indicator, Front Axle Differential Lock Low Control Relay, Front Fog Lamps, Front Suspension Position Sensor Trim Height, Fuel Control Loop Status, Fuel Injector Balance, Fuel Pressure Regulator, Fuel Pressure, Fuel Pump Speed, Fuel Pump, Fuel Rail Pressure, Fuel Trim Enable, GEN L-Terminal, Generator Regulator Setpoint, Green Indicator, Hands-Free Liftgate Sensor Lamp, Hands-Free Sensor Lamp Command, Headlamp Leveling Motors, Headlamp Washer Relay, Head-Up Display Pattern Check, High Beams, High Side Driver 1, High Side Driver 2, Horn Relay, Hybrid/Electric Vehicle Battery Pack Coolant Pump Speed, Ignition Timing Retard, Illuminate All Indicators, Inadvertent Load, Incandescent Dimming, Indicator Dimming, Info Display Dimming, Info Display Test, Instrument Cluster Dimming, Instrument Cluster Gauge Sweep, Instrument Cluster, Intake Camshaft Position Actuator Position, Intake Camshaft Position Actuator, Internal Combustion Engine Autostart/Autostop, Lane Departure Switch LED, Lane Departure Warning Indicator, Lane Departure Warning Switch, LED Backlight Dimming, Left Assist Step Motor, Left Auxiliary Daytime Running Lamps, Left Auxiliary Tail and Stop Lamp, Left Daytime Running Lamp, Left Dedicated Daytime Running Lamp, Left Fog Lamp, Left Front Air Spring Deflate, Left Front Air Spring Inflate, Left Front Audio Tone Test, Left Front Corner, Left Front Park Lamp, Left Front Park Lamp/Daytime Running Lamp, Left Front Shock Absorber Actuator, Left Front Suspension Position Sensor Trim Height, Left Front Turn Signal Lamp, Left Headlamp Low Beam, Left Headlamp Vertical Motor, Left High Beam, Left Low Beam, Left Park Brake Actuator, Left Rear Air Spring Deflate, Left Rear Air Spring Inflate, Left Rear Audio Tone Test, Left Rear Auxiliary Turn Signal Lamp, Left Rear Corner, Left Rear Park Lamp, Left Rear Shock Absorber Actuator, Left Rear Suspension Position Sensor Trim Height (mm), Left Rear Turn Signal Lamp, Left Rear Turn Signal/Stop Lamp, Left Rear Window Motor, Left Stop Lamp, Left Tail Lamp, Left Temperature Door Motor Direction, Left Trailer Tail Lamp, Left Trailer Turn Signal Lamp, Left Trailer Turn Signal/Stop Lamp Command, Left Turn Signal, Level Vehicle to Target Height, License Plate Lamps, Liftgate Lamp Command, Liftgate Open/Close, Line PC Solenoid, Line Pressure Control Solenoid Valve, Lumbar Forward/Backward, Mass Airflow Sensor, Master Cylinder Pressure Test Data, Mid-Range, Mirror Folding Control, Mode Door Position, Object Detection Alert Indicators, OnStar Buttons, Oxygen Sensor 1-1 Heater, Oxygen Sensor 1-2 Heater, Oxygen Sensor 2-1 Heater, Oxygen Sensor 2-2 Heater, Parking Assist Switch LED, Parking Lamps, Passenger Air Bag Off Indicator, Passenger Air Bag On Indicator, Passenger Mirror Fold, Passenger Mirror Movement, Passenger Seat Belt Reminder Indicator, Passenger Seat Belt Tension Sensor, Passenger Window Motor, PC Solenoid 2, PC Solenoid 3, PC Solenoid 4, PC Solenoid 5, Phone Call Test, Pneumatic Connection Pressure Test, Power Button, Power Mode Timeout, Pressure Control Solenoid Valve 2, Pressure Control Solenoid Valve 4, Proactive Alerts, Pump Motor, Radio Tuner AM Frequency, Radio Tuner FM Frequency, Range Actuator Lock, Read LIN Bus Device ID Information, Rear Axle Differential Lock Indicator, Rear Brake Caliper Piston Extend, Rear Brake Caliper Piston Retract, Rear Cross Traffic Audible Alert, Rear Defogger, Rear Defrost, Rear Differential Clutch Motor Current, Rear Differential Clutch Solenoid Valve, Rear Fog Lamp(s) Relay, Rear Mode Door Actuator Position, Rear Temperature Door Motor Direction, Rear Washer Relay, Rear Wiper, Rearview Camera Display, Red Indicator, Right Assist Step Motor, Right Auxiliary Daytime Running Lamps, Right Auxiliary Tail and Stop Lamp, Right Daytime Running Lamp, Right Dedicated Daytime Running Lamp, Right Fog Lamp, Right Front Air Spring Deflate, Right Front Air Spring Inflate, Right Front Audio Tone Test, Right Front Corner, Right Front Park Lamp, Right Front Park Lamp/Daytime Running Lamp, Right Front Shock Absorber Actuator, Right Front Suspension Position Sensor Trim Height, Right Front Turn Signal Lamp, Right Headlamp Low Beam, Right Headlamp Vertical Motor, Right High Beam, Right Low

Beam, Right Park Brake Actuator, Right Rear Air Spring Deflate, Right Rear Air Spring Inflate, Right Rear Audio Tone Test, Right Rear Auxiliary Turn Signal Lamp, Right Rear Corner, Right Rear Park Lamp, Right Rear Shock Absorber Actuator, Right Rear Suspension Position Sensor Trim Height (mm), Right Rear Turn Signal Lamp, Right Rear Turn Signal/Stop Lamp, Right Rear Window Motor, Right Side Marker Lamp Command, Right Stop Lamp, Right Tail Lamp, Right Temperature Door Position, Right Trailer Tail Lamp, Right Trailer Turn Signal Lamp, Right Trailer Turn Signal/Stop Lamp Command, Right Turn Signal, Run Crank Relay, Run/Start Power Mode Indicator, Seat Back Horizontal Movement, Seat Back Side Bolster Movement, Seat Belt Retractor Motor, Seat Cushion Front Vertical Movement, Seat Cushion Rear Vertical Movement, Seat Cushion Side Bolster Movement, Seat Horizontal Movement, Seat Lumbar Support Horizontal Movement, Seat Lumbar Support Vertical Movement, Security Indicator, Sensor Supply Voltage, Shift Solenoid 1, Shift Solenoid Valve, Shift Transmission Gear, Shock Absorber Front Left, Shock Absorber Front Right, Shock Absorber Rear Left, Shock Absorber Rear Right, Side Marker Lamps, Starter Drive, Starter Motor, Steering Column Adjustment, Steering Column Telescope In, Steering Column Telescope Out, Steering Column Tilt Down, Steering Column Tilt Up, Tachometer Gauge Sweep, TCC Pressure Control Solenoid Valve - Dynamic Test, TCC Pressure Control Solenoid Valve - Static Test, TCC Pressure Control Solenoid Valve, Test Compressor Pneumatic Operation, Throttle Actuator Control Valve, Throttle Position, Throttle Sweep, Torque Converter Clutch, Trailer Backup Lamps, Trailer Brake Duty Cycle, Trailer Fog Lamps, Trailer Left Parking Lamp Command, Trailer Park Lamps, Trailer Parking Lamp Command, Trailer Right Parking Lamp Command, Trailer Stop Lamps, Transfer Case Clutch Engagement, Transfer Case Clutch Identifier, Transfer Case Drain and Fill, Transfer Case Range, Transmission Accumulator Solenoid Valve, Transmission Control Solenoid Valve 1 Current, Transmission Control Solenoid Valve 1, Transmission Control Solenoid Valve 10, Transmission Control Solenoid Valve 2 Current, Transmission Control Solenoid Valve 2, Transmission Control Solenoid Valve 3 Current, Transmission Control Solenoid Valve 3, Transmission Control Solenoid Valve 4 Current, Transmission Control Solenoid Valve 4, Transmission Control Solenoid Valve 5 Current, Transmission Control Solenoid Valve 5, Transmission Control Solenoid Valve 6 Current, Transmission Control Solenoid Valve 6, Transmission Control Solenoid Valve 7 Current, Transmission Control Solenoid Valve 7, Transmission Control Solenoid Valve 8 Current, Transmission Control Solenoid Valve 8, Transmission Control Solenoid Valve 9, Transmission Fluid Pressure Actuator, Transport Mode, Treble, Turbo Charger / Super Charger Bypass Valve, Turbocharger Wastegate Actuator, Turbocharger Wastegate Position, Variable Exhaust Flow Control Valve, Vehicle Health Data Upload, Volume Control, Windshield Washer Pump, Windshield Washer Relay, Windshield Wiper Motor Relay, Windshield Wiper Relay

## New Coverage Details – USA Asian

### New Honda/Acura Coverage

- Added coverage for 132 new system applications

### 69 new Adjustment type special tests:

ACM Reset, 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), All Sensors Learning, Ambient Air Temperature Calculation Reset, ATF Reset, Backup Battery Timer Reset, Brake Pad Maintenance Mode, Brake Pedal Position Sensor Learn, Brake Pressure Sensor Calibration, Charge Port Temperature Rate Of Charge Too High - Level 2 Reset, Clear Short Range Radar Sensor Vehicle Position, Crank Pattern Clear, Crank Pattern Learning.,  
Customize Reset, Differential Torque Setup, Disable Height Level Control, Drive Motor Position



Sensor Offset Reset, ECM/PCM Reset, ECU Activation, Electric Waste Gate, Enable Height Level Control, Engine Oil Life Reset, G-sensor Learning, Height Sensor Articulation, HVAC Actuators Learn, HVAC Afterblow Configuration, Hybrid/Electric Vehicle Battery Contactor Open Reason History Reset, Hybrid/Electric Vehicle Battery DC Charging Disabled Reset, Hybrid/Electric Vehicle Battery Interface Control Module Over Temperature Reset, Hybrid/Electric Vehicle Battery Interface Control Module Voltage Sensor Circuits High - Low Reset, Hybrid/Electric Vehicle Range Reset, Hybrid/EV Battery Pack Charging Adaptive Learn Reset, Initialization, Learned Value Reset, Liftgate Maximum Open Position Learn, Longitudinal G Sensor Neutral Point Learn, ODS Unit Initialization, OPDS Initialization, Pop Up Hood(PUH) Calibration, Power Steering Active Pull/Drift Compensation Learn, Radio Favorites Reset, Rear Gate Driver Information Center Message Reset, Replace TCM/PCM, Reset Event Records, Reset High Voltage Disable Request After Crash Event Detected, 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, Reset Teen Driver Key PIN, Resolver Position Calibration, RVS Disable History Reset, Start Clutch Feedback Learn, Start Clutch Status Data Clear, Steering End Learning, Steering Wheel Angle Sensor Centering, Stroke Sensor Learning, SWS Initialization, System Isolation / Impact Sensor Fault - Hybrid/Electric Vehicle Battery System Reset, TCU Setup, The Wheel Size Setup For Indirect TPMS, Tire Pressure Sensor Registration With Activation Tool, Tire Pressure Sensor Registration, Tire Pressure Sensors Learn, Vehicle Dynamic Sensor Offset Calibration

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

A/C Clutch, A/C Compressor Solenoid Valve, ABS Brake Light Relay/TSA Relay Test, ABS ESS Forced Indication, ABS Solenoid Test, ABS VSA Test, ACC Alarm Test, ACC Brake Actuator, ACC Indicator Light, ACC Information Display, ACC Relay, Accessory Circuit 1 Command, Accessory Circuit 2 Command, Accessory Circuit 3 Command, Accessory Circuit 4 Command, Active Grille Air Shutter, Adjust Height Level, Air Bypass Valve Control Solenoid (ABV), Air Conditioning Compressor System Test Request, Air Conditioning Condenser Refrigerant Flow Valve - External Command, Air Conditioning Condenser Refrigerant Flow Valve - Heater Command, Air Conditioning Refrigerant Evacuation and Service Fill Request, All Injectors OFF, Ambience Valve Check, 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, Audio Source Control, Automatic Headlights, Backup Lamps, Backup Line - Headlights, Balance, Bass, Blower Motor, Boost Pressure Test, Both Sides Engagement Clutch Coil Test, Brake light relay test, Brake Pad Exchange Mode, Brake System Boost Pressure Test, BSI Buzzer Status, BSI Fail Lamp, BSI Indicator On, BSI System Fail, BSI System Status, BSI Unavailable, Cargo Light, Center High Mounted Stop Lamp, Charge Port Door Actuator Position Command, Charge Port Light Command, Clean Left Side Radar, Clean Right Side Radar, Clear Parking Assist Disable History Data, 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), Cooling Fan, Cruise Control Cancel History, CTM Buzzer Status, CTM System Fail, CTM System Status, Daytime Running Light, Deflating Air Spring and Reservoir Tank Into Ambience to the Target Pressure, Deflating Air Spring to Reservoir Tank, Deflating Reservoir Tank to the Target Pressure, DI Fuel Pressure Test, Display Check, Drive Unit Park Control Actuator Command, 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, Driver Seat Cushion Left Front

Haptic Movement, Driver Seat Cushion Right Front Haptic Movement, Drivers Window Control, DWS/Indirect TPMS Parameter Configuration Message, EGR Tests, Electric Air Conditioning Compressor Run-In, Electric Current of Linear Solenoid CPC, Electric Current of Linear Solenoid DN, Electric Current of Linear Solenoid DR, Electric Current of Linear Solenoid SC, Electronic Transmission Range Selection Request, Emblem Light, Equalize All Air Spring Pressures, Equalize Front Axle Spring Pressures, Equalize Rear Axle Spring Pressures, EVAP Solenoids Test, Exit Four Corner Air Suspension Service Control Mode, Fader Position Control, Fail Wipe Signal, Filling Air Spring, Flash Left Side Indicator, Flash Right Side Indicator, Floor Light, Fog Lamps, Foot Light, Forced Control Of Electric Current Of Linear Solenoid D, Forced Control Of Lockup Clutch, Forced non assist mode, Front ACM Solenoid, Front And Rear ACM Solenoid, Front Defrost, Front Height Motor Up / Down, Front Suspension Position Sensor Trim Height, 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, Hands-Free Sensor Lamp Command, Hazard Flashers, Head Light High, Head Light Low, Headlight Backup, Headrest Motor, Horn, Hybrid/Electric Vehicle Battery Pack Capacity Fast Learn, Hybrid/Electric Vehicle Battery Pack Coolant Pump Speed, Hybrid/Electric Vehicle Coolant Heater System Test Request, Hybrid/Electric Vehicle Propulsion System Main Coolant Control Valve Command, Hybrid/Electric Vehicle Service Coolant Fill Request, Hybrid/EV Battery Pack Active Isolation Test, IMT(IMRC) Activation, IMT(IMRC) Test, Info Display Dimming, INH Solenoid For Start Clutch Type, Initiator Operation Check, Injector Kill Test, Instrument Cluster, Intake VTC Test, Interior Light, ISO Warning Light, Keyless Buzzer, Lane Departure Switch LED, Left And Right Parking Actuator Control, Left BSI Radar Unavailable, Left Daytime Running Lamp, Left Front Air Spring Deflate, Left Front Air Spring Inflate, Left Front CAS Solenoid, Left Front Pulser, Left Front Shock Absorber Actuator, Left Front Solenoid, Left Front Suspension Position Sensor Trim Height, Left Front TCS Solenoid, Left Front Turn Signal Lamp, Left Front VSA Solenoid, Left Front Window Switch Command, Left High Beam, Left Low Beam, Left Power Mirror - Full Right/Left, Left Power Mirror - Full Up/Down, Left Power Sliding Door - Buzzer, Left Power Sliding Door - Drive Motor, Left Rear Air Spring Deflate, Left Rear Air Spring Inflate, Left Rear Power Window, Left Rear Pulser, Left Rear Shock Absorber Actuator, Left Rear Solenoid, Left Rear Suspension Position Sensor Trim Height (mm), Left Rear Turn Signal Lamp, Left Rear Turn Signal/Stop Lamp, Left Rear VSA Solenoid, Left Rear Window Switch Command, Left Rear Window, Left Side Engagement Clutch Coil Test, Left Side Indicator, Left Sliding Door - Lock/Unlock, Left Stop Lamp, Left Tail Lamp, Left Trailer Turn Signal/Stop Lamp Command, Left Turn Signal, Level Vehicle to Target Height, License Plate Lamps, Liftgate Open/Close, Lock/Unlock All Doors, Lockup Clutch, Low-Voltage Circuit Enable, MA EPS CONTROL ON/OFF, MA EPS Switching, Map Light Off, Measuring Air Suspension System, Memory Buzzer, Memory Seat Indicator 1, Memory Seat Indicator 2, Memory Switch Illumination Light, Mid-Range, No Rain Condition Signal, No Wipe Signal, Occupied Signal Output, Parking Lamps, Parking Lights, Passenger Door Power Window, Passenger Rear Door Courtesy Light, PAX System Warning Reset, Pneumatic Connection Pressure Test, Power Window Relay, Pressure Test Assistance mode, Pressure Test, Proactive Alerts, Radiator Fan, Rain Condition Signal, Rain Sensor - Front Wipers - High, Rain Sensor - Front Wipers - Intermittent - Once, Rain Sensor - Front Wipers - Low, Rear ACM Solenoid, Rear Blower, Rear Defroster, Rear Differential Air Purge, Rear Differential Oil Pressure Sensor Check, 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 Daytime Running Lamp, Right Front Air Spring Deflate, Right Front Air Spring Inflate, Right Front Pulser, Right Front Shock Absorber Actuator, Right Front Solenoid, Right Front Suspension Position Sensor Trim Height, Right Front TCS Solenoid, Right Front Turn Signal Lamp, Right Front VSA Solenoid, Right Front Window Switch Command, Right High Beam, Right Low Beam, Right Power Mirror - Full Right/Left, Right Power Mirror - Full Up/Down, Right Power Sliding

Door - Buzzer, Right Power Sliding Door - Drive Motor, Right Rear Air Spring Deflate, Right Rear Air Spring Inflate, Right Rear Power Window, Right Rear Pulser, Right Rear Shock Absorber Actuator, Right Rear Solenoid, Right Rear Suspension Position Sensor Trim Height (mm), Right Rear Turn Signal Lamp, Right Rear Turn Signal/Stop Lamp, Right Rear VSA Solenoid, Right Rear Window Switch Command, Right Rear Window, Right Side Engagement Clutch Coil Test, Right Side Indicator, Right Stop Lamp, Right Tail Lamp, Right Trailer Turn Signal/Stop Lamp Command, Right Turn Signal, S.U.E. Operation For AH-AWD, Seat Back Horizontal Movement, Seat Back Side Bolster Movement, Seat Cushion Front Vertical Movement, Seat Cushion Rear Vertical Movement, Seat Horizontal Movement, Seat Lumbar Support Horizontal Movement, Seat Lumbar Support Vertical Movement, Security Indicator, Self Diag Test, Self-Diagnostic Function, Sensor Supply Voltage, 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, Start Service Mode, Steering Column Adjustment, Stop Service Mode, Sub Throttle, Sunroof Open/Close, Tailgate, TC Bypass Valve, Throttle Actuator Control Test, Tilt Mirror, Tire Air Low Indicator, TP Position Check, TPMS Warning Light, Trailer Backup Lamps, Trailer Left Parking Lamp Command, Trailer Park Lamps, Trailer Right Parking Lamp Command, Transport Mode, Treble, 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), Windshield Washer Pump, Windshield Wiper Relay

## New Hyundai/Genesis Coverage

### 3 new Adjustment type special tests:

Change Mode of DIH and MoD actuator, Set the steering feel torque to zero, Zero Re-calibration of Occupant Classification Sensor

### 2 new Actuation type special tests:

Read VIN, Sleep Mode

## New Kia Coverage

### 3 new Adjustment type special tests:

Change Mode of DIH and MoD actuator, Set the steering feel torque to zero, Zero Re-calibration of Occupant Classification Sensor

### 1 new Actuation type special tests:

Sleep Mode

## New Nissan/Infiniti Coverage

### 142 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, 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, AP Position Learn Clear, Auto Park Inhibition, Auxiliary Gearbox Clutch Point Learning, Battery Discharge Current Integration Clear, Blow Mode, Blow Set, 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, CML Battery Discharge Current Integration Clear, CO Adjustment, Computer Programming, Confirm CVTF Deterioration, Cumulative Sub-Battery Discharge Current Clear, Decel G Sensor Calibration, Door Motor Starting Position Reset, 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, Erase Calibration Data, Erase Learning Value, Erase Memory Data, Erase Statistic Memory, Ethanol Concentration, EVAP System Close, Finish Brake Pad Replacement, FRE Memory Set, Fuel Pressure Release, Fuel Supply Prevention, FWD Clutch Point Learning, G Sensor Calibration, Gas Sensor Adjustment, GPF Service Regeneration Reset Routine Execution, High Pressure Fuel Circuit Fault Finding, High Pressure Fuel Pump Total Starts Counter Clear, Idle Air Volume Learn, Ignition Timing (ADV), Initialization Position Adjustment, Injection Pump Adaptive, Injection Timing, Interval of Oil Change (OCS) Oxidation, Launch Control Counter Reset, Longitudinal G Sensor Calibration, M/T Neutral Pos Learn, Misfire Count (Past), Misfire count (real-time), 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, Programmed Values, Programming Reinitialization, Programming Selections/Engaging Zones, REC Memory Set, Regeneration of Gasoline Particulate Filter, Reset Adaptation Values for Shift Operation, Reset Fuel And Timing Learn Tables, Reset Fuel Consumption Short Term Log, 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 Rear Temperature Correction, Set Temperature Correction, Shift Drum Reference Position, Side G Sensor Calibration, 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, 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, Teach-in Of Selection Range Sensor, Temp Set Correct In Deg C, Temp Set Correct In Deg F, 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, Write Fuel Learn Value, Write High Pressure Fuel Pump Total Starts Count, Write Saved Data, Write Starter Operation Count

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

4WD AT Flow, A/C Compressor Relay Control, A/C Compressor, A/F Sensor Heater, AAC/V Output Duty, AAC/V Output Step, ABS Motor, AC Compressor Relay, Accelerator Pedal Actuator Test 1, Accelerator Pedal Actuator Test 2, Active Grille Air Shutter, Active Grille Shutter, Advanced Homogeneous Direct Injection Angle, Advanced Stratified Direct Injection Angle, A-F Ratio Cntrl Stop Stratified Chrg Cmb Trnsfr, Air Bypass Valve Solenoid, Air Cond Rly, Air Conditioner Relay Output, Air Inlet Control Flap On Front End Panel, Air Inlet Flap, Air Pump Relay, All LCD Segments, ALL SEG, Alternator Duty Cycle, Alternator Duty, Alternator Voltage, Auto Stop Start, Boost Pressure, Booster Solenoid, Brake Operation, Brake Release, Camshaft Dephaser: Solenoid Valve Slide Movement, Camshaft Positioner, Canister Bleed Solenoid Valve, Canister



Drain Cut Valve, Catalyst Exhaust Gas Downstream O2 Resistance Heater PWM, Catalyst Exhaust Gas Upstream O2 Resistance Heater PWM, 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, Component Quantity Control Valve, Continuously Variable Valve Timing Control Side Intake, Coolant Circulation Switching S/V, Coolant Temperature, Cooling Fan, C-SCV Target Step (Bank1), C-SCV Target Step (Bank2), C-VTC Target Angle, Cylinder Cutout Test, 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, DOWNSTREAM OXYGEN SENSOR HEATING, Drive Power Distribute Torque, 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 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, 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 Valve Timing Assign Angle, Exhaust Valve Timing Control Solenoid Valve, Fan Duty Control, Fan Unit High Speed Relay, FAN UNIT HIGH SPEED, Fan Unit Low Speed Relay, FAN UNIT LOW SPEED, Flex-Fuel Additional Pump, Flex-Fuel Additional Solenoid Valve, FLYWHEEL TARGET PROGRAMMING, FPCM, 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, Fresh Air Memory, Front Buzzer, Front Left Solenoid, Front Right Solenoid, Fuel Flow Actuator, Fuel Flow Solenoid Valve, Fuel Heater Relay, Fuel Heater, Fuel Injection, 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, Heater Valve Flow, HEATING RESISTOR RELAY 1, HEATING RESISTOR RELAY 2, HEATING RESISTOR RELAY 3, High Pressure Circuit Leak Test, HPCR Fuel Act Override, HVAC Test, IACV-AAC/V Opening, Idle Target RPM, Ignition Cylinder 1, Ignition Cylinder 2, Ignition Cylinder 3, Ignition Cylinder 4, Ignition Timing (Mode 1), Ignition Timing (Mode 3), Ignition Timing Adjustment, Ignition Timing, Injection Pressure Regulator, Injector Cylinder 2, Injector Cylinder 3, Injector Cylinder 4, Injector-Cylinder 1, 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, LED, Left Solenoid, Low Pressure Fuel Pump, LPG Air Fuel Ratio Revision Value, LPG Shutoff Valve Relay, Malfunction Status Of Stop/Start System, MAP/Baro SW/V, 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, MOTORISED THROTTLE, Oxygen Sensor 1 Heater, Oxygen Sensor 2 Heater, P/REG CONT SOL/V, Partial Load Operation Crankcase Ventilation Valve, PB SW indicator ON, 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, PRES Regulator, Pressure Control Solenoid A, Pressure Control Solenoid B, Pressure Control Solenoid C, Programming CI Touch Point, PROGRAMMING THROTTLE LIMITS, PRVR Solenoid, Purg Vol Cont/V, PURG VOL CONT-V, Purging Switchover Valve, Radiator Fan Drive, Radiator Fan Output Hi, Radiator Fan Output Lo, Radiator Fan Relay Test, Radiator Fan Relay, Rear Buzzer, Rear Left Solenoid, Rear O2 Diagnosis, Rear Right Solenoid, Recycle Air Memory Switch, Reverse Gear Reset Values Of Shift Operations, Right Solenoid, 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, RTCV Hysteresis Test, SCB/V Cont SOL/V, SCR Performance, SCV Solenoid, Secondary Air Cut Solenoid, Shift Solenoid A, Shift Solenoid B, Shift Solenoid C, Shift Solenoid D, Shift Solenoid E, 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, Speed Sensor Function, Stop Current Command, Stop Lamp On Relay, Stop Light Relay, Stratified Direct Injection Timing Angle, Stratified EGR Position, Sub Fuel Cont Sol /V, Sub Fuel Pump Relay, Super Charger Clutch Relay, Supercharger Clutch Relay, SWIRL CONT SOL VALVE, Swirl Control Valve, 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, Thermostat Heater Control Solenoid Valve, Third O2 Sensor Heater, Third O2/S Diagnosis, Throttle Valve Position Setpoint, 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, Unit Characteristics Data, UPSTREAM O2 SENSOR HEATING, V/T Assign Angle, Valve Timing Sol, Variable Duct Solenoid Output, VC/V Bypass/V, VCR System, Vent Control Valve, VENT CONTROL-V, VIAS S/V-1, VIAS Solenoid, VIAS S-V-1, VIAS S-V-2, VTC Solenoid, VVL Int Exh Solenoid Simultaneous Drive, VVL Solenoid Exhaust, VVL Solenoid Intake, W/G, Wastegate Actuator, Water Temperature

## New Toyota/Lexus Coverage

- Added coverage for 743 new system applications

### 635 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 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 The VSV For Air Bleed Control, Activate/Stop/Status DSC Bleeding(HL),

Activate/Stop/Status DSC Bleeding(HR), Activate/Stop/Status DSC Bleeding(VL),  
 Activate/Stop/Status DSC Bleeding(VR), Active Rear Wing Control, Actuator Air Bleeding Pattern,  
 Add Foot Air in FACE Mode, Advanced Illumination System Setting, Advanced Park Parallel  
 Parking Control Area, Advanced Park Perpendicular Parking Control Area, Advanced Parking  
 Guidance Avoidance Distance, Advanced Parking Guidance Parallel Parking Area, Advanced  
 Parking Guidance Perpendicular Parking, AFS (Electronic Swivel) Function, AFS Function, AHS  
 Function, AHS Operation Pattern Setting, AHS Operation Vehicle Speed Setting (Pattern1), AHS  
 Operation Vehicle Speed Setting (Pattern2), AHS Operation Vehicle Speed Setting (Pattern3), Air  
 Bleed, Air Bleeding - 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  
 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, Approach Display OFF, 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, Backup Battery  
 Replacement Reset, Bad Weather Function, Battery Status Info Update, Bleed, Blower Operation  
 Setting (StopStart), Bluetooth Connection History, Body Control with Torque Demand, Body Ctrl  
 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, Closer Power Operation, Coming Home Light,  
 Commissioning Electric Parking Brake, Compressor Mode, Compressor/Air Inlet DEF operation,  
 Cruising Range Reset, 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, Deceleration Sensor Zero Point Calibration, 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, Door Unlock with 1 Motion, Double Lock, Drain System Air Bleeding Pattern, Driver  
 Seat Distance Adjust when Get Off, Driver Seat Lift Up Distance Adjust when Get Off, Driver Seat  
 RA Lumbar Support Oper, Driver Seat RA Pelvis Support Oper, Driver Seat RA Side Support Oper,  
 Driver Seatbelt Warning Buzzer Function, Driver Side Seatbelt Warning Buzzer, Driver's Door  
 Power Window Regulator Initialisation, Driving Dynamics Sensor Adjustment, DRL Function, DSC  
 Brake Bleed Procedure, ECO Drive Indicator Light, ECO Drive Indicator Zone Display Function

(Meter), ECO Drive Indicator Zone Display Function, ECO Drive Indicator Zone, ECO MODE Cancel, ECO Mode Control, ECO Mode Start Function, ECU Calibration, 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, Emblem Sensor Detection Sensitivity, Emission Gas Sensor Shift, 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 Tone Setting, Flasher Sound Volume Adjust, Flasher Sound Volume Adjustment, Follow Me Home Lighting Time, Foot/DEF Auto Mode, Foot/DEF Automatic Blow Up Function, Forced Actuator Refresh, Forget to Turn IG OFF Alarm Function, Fr Rr Buzzer Freq, Fr Rr Buzzer Volume, Fr Corner Sensor Onset Range, FR Neck Heater Auto Mode Adjustment, FR Seat A/C and Heater Sensitivity Adjust, Fr Sensor Onset Range, Fr Side Sens Actuation Setting, Fr/Rr Seat Interference Avoidance Function (D), Fr/Rr Seat Interference Avoidance Function (P), Front Brake Pad Wear Indicator Reset, Front Center Seatbelt Warning Buzzer Function, Front Driver/Pass Door Power Window Regulator Initialization, Front Passenger Side Seatbelt Warning Buzzer, Front Passenger's Door Power Window Regulator Initialisation, Front Side Dist Sensor, Front SW Auto Operation, Glass Hatch Open Function, Grill Shutter Control Mode Switching, Grill Shutter Initialization, Grille Shutter Initialization, Halogen Lamp/HID, Hazard Answer Back Function, Headlight in Conjunction with Wiper, Headlight ON in Conjunction with Wiper Function, Headlight Upper Shade Angle Setting, 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, ICS Function, ICS Stop Distance, ICS SW Status Memory, ID Registration/Tire Position Write, IG ON Key Out Warning, 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, Intuitive P/A Auto Mute Function, Ion Generate Control, IPA Obstacle Avoidance Distance, IPA Parallel Parking Control Area, IPA Perpendicular Parking Control Area, K0 Thermal Estimate Reset, Keep Sense Buzzer, Key Left in Vehicle Alarm Function, Key Low Battery Warning Function, Key Low Battery Warning, Key Remind Sound, Key Remind Volume, Keyless entry: Deactivate/activate, Kick Sensor Close Lock Function, Kick Sensor Operation Function with ACC ON, Lane Change Flashing Times Adjust, Lane Change Flashing Times Setting, Lane CHG Flash CNT, Language, Learning Value Reset, Leave Buzzer Volume, 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, Non P/R Range Rear Sensor, Object Not Moving 3s Buzz Vol, ODO Display Time After IG OFF Adjust, ODO Display Time After IG OFF Setting, 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), PBD Assist Close Operation, PBD Assist Open Operation, PBD Buzzer Function, PBD Buzzer Tone, PBD Buzzer Volume Adjust, PBD Close SW Press Condition, PBD Close SW Waiting Time, PBD Power Operation, PBD SW Operation, PBD/Emblem Sensor Function, PCS Alarm Activation Distance Retention Setting 1, PCS Alarm Activation Distance Retention Setting 3, PCS Cooperate Function, PCS Operation State Retention Setting, PCS Reminder Buzzer Sound, PCS Warning Sensitivity Retention Setting, PCS Warning Timing State Stored 3, Pilot Injection Volume 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 Back Door Opening Adjust, Power Saving Wait Time(Out Of Entry Range), Power Steering ECU Initial Setting, Power Supply Air Bleeding Pattern 1, Power Supply Air Bleeding Pattern 2, Power Window Voice Control Function, Pre Air Conditioner Defrosting Function, Prevention of Key Left in Vehicle, Prohibition Flag of FHL Function, Projection Adjustment (Distortion), Projection Adjustment (Keystone), Projection Adjustment (Tilt), Proposal Service Frequency Adjust, Proposal Service Volume Adjust, Proposal Services Function, Provision of When Door is Half Open, Proximity Sound Control (Vehicle Stationary), Proximity Sound Level Increase (Vehicle Starting), Proximity Sound Volume Adjustment, P-Seat Auto Pattern, R Wiper Stop Function at Back Door/Trunk Lid Open, RA Ottoman Operation, Rain Mode, Rain Sensor Initialization, RCTA Function, RCTAB Function, RCTAB Operation Timing Setting, RCTAB Sensitivity, 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 Seatbelt Warning Buzzer, 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, Register Transmitter ID, Relax with P-Seat Lift, Remote Air Conditioner Start Setting, Remote Air Conditioner Stop Setting, Remote Door Lock

Setting, 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, Reverse Range Front Sensor, 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 Corner Sensor Long Distance Detection (Shift R), Rr Corner Sensor Onset Range, RR Seat A/C and Heater Sensitivity Adjust, RR Seat Heater Auto Function, Rr Sensor Onset Range, 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 Belt Warning, Seat Blast Mode Setting, Seat Heater Auto Operation, Seat Lift Up Distance Adjust, Seat Move Distance, Seat Position Voice Control Function, Seat position/Tilt Telesco memory recall setting, Seat Switch Link Function, Seat Travel Distance, Seatbelt Information Indicator, Security Alarm Setting, Security Control with Mechanism Key Function, Security control with mechanism key, Security System, Sedan/Wagon Setting, Sensitivity Adjust, Sensitivity, Sensor Condition N, Sensor Unit Zero Position Compensation, Servomotor Initialization, Set Temperature Shift, S-FLOW Control Auto Function, Shade Upper Area Lighting Function, Shift Control Synchronization, Shift Lever R Signal Delay Time Adjust, Shift Linked Automatic Door Lock Function, Shift Linked Automatic Door Unlock Function, Side Sensor Alarm Function, Side Sensor Onset Range, Slide Link Cushion Length Ctrl, Slide Link Hdrest Length Ctrl, Slide Roof Open Warning Function, Slide Roof Open Warning, Slide Roof Voice Control Function, Slide/Tilt Sunroof Initialization, Software Error History, Sonar Detection/Steering Adjustment, Sonar Mode, 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, Tacho Meter Mode, Tail Remind Buzzer Function, Tail Remind Buzzer, Telematics Microphone Volume Adjust, Telematics Speaker Volume Adjust, Temporary Mute Function, Temporary Mute Reset Speed Adjust, Tire Circumference Setting, Tire Pressure Monitoring: Deactivating The Production Mode, Tire Pressure Sensor Registration, Torque Sensor Adjustment, 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), Units By Region, 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, 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 PBD Operation, Wireless Power Back Door Open, Wireless Trunk Lid Open Operation Adjust, Wireless Unlock Twice Function, Write VIN, Zero Point Calibration Sensitivity Check, Zero Point Calibration

#### **1401 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 Indicator, 4WD Warning Light, 4WD Warning, A/C Idle Up VSV, A/F Control, A/M Servo Pulse(FR D), A/M Servo Pulse(FR P), A/O Servo Pulse(FR D), A/O Servo Pulse(FR P), A/O Servo Pulse(Rr D), A/O Servo Pulse(Rr P), A/T Indicator Operation 1, A/T Indicator Operation 3, A/T Oil Temperature Operation, ABS Front Left Hold Solenoid, ABS Front Left Release Solenoid, ABS Front Right Hold Solenoid, ABS Front Right Release Solenoid, ABS Indicator Lamp, 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 Test, ABS Solenoid, ABS Warning Light, ABS Warning, A-C Driving Demand, Access to Rear Seat Signal, Accumulator Drive, Accumulator Valve, ACM Inhibit, Activate DPF Rejuvenate (PM), Activate DPF Rejuvenate (S), Activate DS1 Solenoid, Activate DS2 Solenoid, Activate DSL Solenoid, Activate EGR Cooler Bypass VSV, Activate Fuel Pressure Switching Valve, Activate Fuel Route Switching Valve Relay, Activate Lock Up, Activate S1 Solenoid, Activate S2 Solenoid, Activate S3 Solenoid, Activate S4 Solenoid, Activate SL Solenoid, Activate SL1 Solenoid, Activate SL2 Solenoid, Activate SL3 Solenoid, Activate SL4 Solenoid, Activate SL5 Solenoid, Activate SLS Solenoid, Activate SLT Solenoid, Activate SLU Solenoid, Activate SR Solenoid, Activate ST Solenoid, Activate the (Inverter) Water Pump, Activate the 4WD Lock Light, Activate The ACC Cut Relay, Activate the Air Inlet Damper Target Pulse, Activate The Air Pump Heater, Activate the Charger Cooling Fan, Activate the Circuit Relay, Activate the Coolant Water Route Switching Valve 2, Activate The Coolant Water Route Switching Valve, Activate The EGR Valve Close, Activate the Electric Heater1 Relay, Activate the Electric Heater2 Relay, Activate the Electric Heater3 Relay, Activate The Electric Water Pump, Activate The Emergency Solenoid Valve, Activate the Engine Oil Pressure Control Valve, Activate the EVAP Purge VSV, Activate The FHL, Activate The Fuel Filler Opener, Activate the Fuel Pressure Discharge, Activate The Fuel Pump Speed Control, Activate The Fuel Pump2 Speed Control, Activate The Fuel Return Pipe Valve, Activate The Fuel Vapor-Containment Valve, Activate The Heater Water Pump., Activate the In-tank Fuel Pump Relay, Activate The LPG Solenoid Valve, Activate the Mirror Heater Relay, Activate The Power Window, Activate The Pre-Stroke Control Valve, Activate the Rear AC Magnet Valve, Activate The Return Solenoid Valve, Activate the Slip Indicator Light, Activate The Solenoid (SC1), Activate The Solenoid (SC2), Activate the Solenoid (SC3), Activate the Solenoid (SL6), Activate The Solenoid (SLC), Activate The Solenoid (SLG), Activate The Solenoid (SLN), Activate the Solenoid (SLS) High/Low, Activate the Solenoid (SLS) MAX/MIN, Activate The Solenoid(Sc), Activate The Solenoid(Slp), Activate The Starter Relay, Activate the TC Terminal, Activate The Vacuum Pump, Activate The VALVEMATIC After Warm Up, Activate The VALVEMATIC Before Warm Up, Activate The VN Turbo Cleaning, Activate The VSV For AICS, Activate The VSV For Canister Control, Activate The VSV For Evap Control, Activate The VSV For Exhaust Brake, Activate The VSV For Fuel Pressure Up Control, Activate The VSV For Intake Control, Activate The VSV For Purge Cut, Activate The VSV For Swirl Control Valve,

Activate The VSV For Tank Bypass, Activate The VSV For Vent Valve, Activate The Water Flow Valve 3, Activate The Water Flow Valve 4, Activate The Water Flow Valve 5, Activate The Water Pump, Activate Vent VSV, 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 Indicator, ACTIVE TRC Warning, Actuator Test, Advanced Parking Guidance Indicator, Advice Display, AF/O2 Sensor Operation, AFS Alarm Display, AFS Indicator (Malfunction) Display, AFS OFF Indicator, AHS LH High Beam, AHS RH High Beam, Air Bypass Valve Bank 2, Air Cleaner Warning, Air Conditioner Auto Indicator, 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, 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 Light, Auto LSD Indicator Light, Auto LSD Indicator, Auto Mode, Auto Oil Supply System, Auto Power OFF Cancel, Auto-Hold Indicator Lamp, AutoHold LED Control, Automated EVAP Test, 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 Charge Warning, Auxiliary Battery Warning, AVS Comfort Indicator, AVS Sports Indicator, Back Door Power Window Down, Back Door Power Window Up, Back Door Select, Back Door Sensor Power Supply, Backup Relay, Batt Cool Down Servo Targ Pls, Battery Magnetic Valve, BDC Terminal\_15 (de-)activation, Beep, BH Operated Light, BH Standby Indicator, BH Standby Light, Blind Spot Monitor Indicator, Blower Level, Blower Motor, Brake Ejector VSV, Brake Hold Indicator, Brake Indicator Lamp, Brake Lights, Brake Line Mix-up test, Brake Lining Wear Warning, Brake Override Indicator, Brake Override Warning, Brake Warning Light, Brake Warning, BSM Indicator, BSM OFF Indicator, BSM State, 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, Catalyst OT Misfire Prevention F/C, Ceiling Light, Cent Consol Spot LGT, Center DIFF LOCK Indicator, Charge Indicator Lamp, Charge Indicator, Charge Warning (Red), Charge Warning Indicator, Charge Warning, Check Antennas, Check Display, Check Engine Lamp, Check Engine Warning, Check Mode, Check The Cylinder Compression, Clearance Light (+ Front Side Marker Light), Clearance Light, Clearance Sonar LCD Indicator, 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 Check, Compression Test, Compressor Clutch, Compressor Motor Relay, Compressor Target Speed, Connect The TC And TE1, Control The A/C Cut Signal, Control The A/C Magnet Clutch, Control the ACIS VSV Motor Duty Ratio, Control The ACM Inhibit, Control The All Cylinders Fuel Cut(CNG),



Control The C/D, Control the Cylinder#1 Fuel Cut, Control the Cylinder#2 Fuel Cut, Control the Cylinder#3 Fuel Cut, Control the Cylinder#4 Fuel Cut, Control the Cylinder#5 Fuel Cut, Control the Cylinder#6 Fuel Cut, Control the Cylinder#7 Fuel Cut, Control the Cylinder#8 Fuel Cut, Control The EGR Step Position Bank 1, Control The EGR Step Position, Control The EGR System, Control The Electric Cooling Fan, Control the Electric Thermostat Duty Ratio, Control the Engine Cooling Fan Duty Ratio, Control The ETCS Open/Close Fast Speed, Control The ETCS Open/Close Slow Speed, Control The Exhaust Exterior Valve Angle, Control the Exhaust VVT OCV Duty Ratio Bank 1, Control the Exhaust VVT OCV Duty Ratio Bank 2, Control The Fuel Pump / Speed, Control The Fuel Pump Duty Ratio (Brushless), Control the Fuel Pump Duty Ratio, Control The Idle Fuel Cut Prohibit, Control The Injection Mode, Control The Injection Volume For A/F Sensor, Control The Injection Volume(CNG), Control the Intake VVT OCV Duty Ratio Bank 1, Control the Intake VVT OCV Duty Ratio Bank 2, Control The Intercooler Water Pump, Control The Line Pressure Up, Control The Lock Up, Control the Motor/Generator Cooling Oil Pump, Control The Select Cylinder Fuel Cut, Control The Selected Cylinder Fuel Cut, Control the Shift Area (CVT), Control the Shift Position 4 Speed, Control The Shift Ratio (CVT), Control the Target Fuel Pressure Offset, Control the Transmission Oil Pump, Control The VVT Linear (Bank1), Control The VVT System (Bank1), Control the VVT-iE Linear (Bank 1), Control the VVT-iE Linear (Bank 2), Control the Wastegate Valve Duty Ratio, 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, Courtesy SW Signal, Crawl Control Light, CRAWL Indicator, CRAWL Warning 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 Relay Rear, Dehumidification Magnetic Valve, Deicer Relay Front, Delivery Heater, Delivery Shut Valve, Diesel Particulate Filter Warning, Diesel Throttle Target Angle 2, Diesel Throttle Target Angle Bank 1, Diesel Throttle Target Angle, Diffuse Pulse(R), Dim mirror, Dimmer Signal, Disconnect System Function Check, Display Mode, 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, Drift From The Lane, 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 Door Open, Driver Side Seat Belt Warning, Driver Side Seat Belt, Dr-Seat Outside Transmitter, Dr-Seat Select, D-Seat Outside Transmitter, D-Seat Select, DSS Signal Buzzer, DSU Solenoid, 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 Solenoid, ECB Utility, ECB Warning Indicator, ECB Warning Light, ECB Warning, ECO Mode Indicator, ECONO Indicator, ECT PWR Indicator, ECT SNOW Indicator, EGR Cut VSV, EGR Step Position #2 Control, EGR Step Position, 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, EV System Warning Lamp, Evaporator Magnetic Valve, Exhaust Bypass VSV Control, Exhaust Gas VSV Control, Exhaust Shutter VSV, Exhaust Solenoid1, Exhaust Solenoid2, Exhaust Switching VSV, 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 Passenger Side Door Open, Front Passenger Side Seat Belt, 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, Front/Rear Buzzer, Fr-Seat Inside Transmitter, Fuel Cap Reminder Warning, Fuel Consumption Meter Operation, Fuel Cooler VSV, Fuel Cut Bank 2 For Idle, Fuel Filler Opener, Fuel Filter Indicator, 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 Indicator (CNG), Fuel Indicator Lamp, Fuel Injector Timing, Fuel Leak Test, Fuel Lid Lock Relay, Fuel Lid Opener, Fuel Lid, Fuel Meter Operation (CNG), Fuel Meter Operation (Reductant), Fuel Meter Operation, Fuel Pressure Relief Valve Open, Fuel Pump - Duty Cycle, Fuel Pump Duty Control, Fuel Pump Duty, Fuel Pump Single Phase Energization (U Phase), Fuel Pump Single Phase Energization (V Phase), Fuel Pump Single Phase Energization (W Phase), Fuel Pump Single Phase Energization, Fuel Pump Speed Control, Fuel Vapor-Containment Valve, Fuel Warning (CNG), Glass Hatch Open, GLOW Warning, Go to Dealer Indicator, Go To Service Warning, Green Indicator, H/B Motor Relay, Hazard Answer Back, Hazard, H-B Motor Relay, HCAC System VSV, HCAC VSV Check, HCAC VSV, Head Lamp Warning Indicator, 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, Heads Up Display Indicator, Heat Exchange Shut Valve, Heater Valve, Heating Electric Expansion Valve, Heating Three-way Valve, Height Control Prohibition Switch, Height High Indicator, Height High Warning, HICM System Check, 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, Hold Lamp, Horn Relay, Horn, Hot A/M Servo Pulse(D), Hot A/M Servo Pulse(P), HV System Certification Mode Indicator, HV System Indicator (0%), HV System Indicator (100%), HV System Indicator (200%), HV System Indicator (300%), HV System Indicator (400%), HV System Indicator (-50%), HV System Indicator (MAX), HV System Indicator (MIN), HV Unit Hot Warning Indicator, 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 Indicator, Hydrogen Leak Warning, IAC Duty Ratio, ICS OFF Indicator, 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. A/T P, Indicat. Hold, Indicat. INTUITIVE P/A LCD, Indicat. Lamp O/D OFF, Indicat. Lamp VSC OFF, Indicat. Ready (EV), Indicat. VSC OFF, Indicate AFS OFF Lamp, Indicate. Pre-Collision, Indicator 2nd START, Indicator 4LO, Indicator 4WD AUTO, Indicator 4WD Lock, Indicator 4WD, Indicator AFS, Indicator Auto LSD, Indicator Brake Hold, Indicator Condition, Indicator CRAWL, Indicator Ctr DIFF LOCK, Indicator Downhill Assist Control, Indicator ECO, Indicator ECONO, Indicator EPS, Indicator EV Mode, Indicator For Lighting, Indicator GLOW, Indicator Height High, Indicator Key, Indicator Lamp Airbag, Indicator Lamp Back Door Open, Indicator Lamp Beam, Indicator Lamp Coolant Cool, Indicator Lamp Coolant Hot, Indicator Lamp Cruise, Indicator Lamp Doors All open, Indicator Lamp ECB, Indicator Lamp ECT PWR, Indicator Lamp ECT SNOW, Indicator Lamp Fr FOG, Indicator Lamp Head, Indicator Lamp Hood Door Open, Indicator Lamp Luggage Door Open, Indicator Lamp oil Level, Indicator Lamp Oil Pressure, Indicator Lamp Rr FOG, Indicator Lamp Rr Light, Indicator Lamp Slip, Indicator Lamp Tail, Indicator Lamp Washer, Indicator Lamp Water Level, Indicator Lithium Charge, Indicator MMT E Mode, Indicator MMT M Mode, Indicator Navi CVT, Indicator Oil Maintenance, Indicator Over Speed, Indicator Park, Indicator Ready(HV), Indicator Rear Differential LOCK, Indicator Rear Door LH open, Indicator Rear Door RH open, Indicator Ride Mode, Indicator SIL, Indicator Slip-OFF, Indicator Sport(CVT Sport), Indicator Tail Cancel, Indicator TEMS Comfort, Indicator Timing Belt, Indicator Tire Pressure Warning System, IndicatorHeadlamp Auto Leveling, IndicatorTEMS Sports, Initial Axis Adjust Value Display, Injection Timing #1, Injection Timing #2, Injection Timing #3, Injection Timing #4, Injection Timing #5, Injection Timing #6, Injection Timing #7, Injection Timing #8, Injection Timing Select Cylinder, Injection Volume Control, Injection Volume, Injection Way Control, 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, Intake Air VSV Control, Intake Control VSV, Intake VSV 2 Control, Intelligent Parking Assist Indicator, Intercooler Water Pump Relay, Interior Illumination Light, Interior Illumination Light1, Interior Panel Relay, Interlocking Shift OFF Display, Interlocking Shift ON Display, Intrusion Sensor Power, INTUITIVE P/A LCD OFF Indicator, INTUITIVE P-A LCD Indicator, INTUITIVE P-A LCD OFF Indicator, Ion Generator, ISC Step Position, KDSS Indicator, KDSS Warning, Key Cylinder Illumination, Latch Release Test, Latch Release, LDA Control Indicator (Left), LDA Control Indicator (Right), LDA Control Indicator, LDA Indicator (White), LDA Indicator, LDA Steering Control

Indicator, LDA Warning Indicator (Left), LDA Warning Indicator (Right), LDA Warning 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, Lock Display, Lock Faulty Display, Low Beam, Low Pressure Magnetic Valve, Low Pressure Tank Solenoid, Low-Beam Headlights, Lower Air Mix (Driver Side), Lower Air Mix (Passenger Side), Lower Back, Lower Cushion, LPG Indicator, Luggage Mode Indicator (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, Main Battery(HV) Indicator, Maintenance Indicator Lamp, Maintenance Warning, Manual EVAP System Check, Manual SW Indicator, Master Warning, Meter Day Mode Switch, Meter Display (0), Meter Display (1), Meter Display (2), Meter Display (3), Meter Display (4), Meter Display (5), Meter Display (6), Meter Display (7), Meter Display (8), Meter Display (9), Meter Display (All), Meter Display 1, Meter Display 2, 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), Multi Switch Operation, Navi CVT Indicator, Night View Indicator, Normal Sleep Mode, Not Available Display, O/D Cut Signal, 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 Meter Operation, 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, Overheat Display, P Range Display, 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, PBD Buzzer, PBD Close SW Light, PBD Clutch, PBD Motor, PBD Open/Close, PCS Buzzer, PCS OFF Warning, PCS Warning Indicator, PCS Warning, Pedestrian Protection Warning, Pelvis Support Operation, Pinion Gear Plunger (Hood Close), PKB Full Release Control, PKB Haul Display, PKB Light, PKB Lock Control, PKB Lock1, PKB Release Control, PKB Release1, 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 Meter Operation, Power Running Board Forced Retracting, Power Window SW LED, Power Windows, Power/Engine SW Light, PPS Indicator, PPS Solenoid, PPS Warning, Pre Crash Brake OFF Light, Pre-Charge Pump, Pre-crash Indicator, Prohibit the Catalyst OT Misfire Prevent Fuel Cut, Prohibit the Idle Fuel Cut, Protection Relay, 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, Purge Dilution Valve Duty Bank 2, Radar Cruise Approach Alarm Buzzer, Radar Cruise Indicator (Yellow), Radar Cruise Indicator, Radar Cruise Proximity Warning Buzzer, Radar Cruise Ready Indicator, 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 center sun blind, 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 sun blind, 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 sun blind, Rear Right Wheel Up/Down, Rear Seat Belt Warning, Rear Seat Belt, 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 window lifter: Close, Rear window lifter: Open, Rear Wiper Operation, Rear Wiper Washer Motor Relay, Rear Wiper, Red Indicator, Reductant Consumption Warning, Reductant Discharge, Reductant Filling (Pressure Keep), Reductant Injection Valve, Reductant Pipe Heater, Reductant Pump Check (Backward), Reductant Purge, Reductant Quality Warning, Reductant Tank Heater, Reductant Warning Indicator, Reductant Warning, Refresh B1, Refresh B2, Refresh B3, Refresh B4, Refresh B5, Refresh C1, Refresh C2, Refresh C3, Refresh C4, Refrigerant Gas Volume Check, Regulator Shut Valve, Relay for Interior Light Auto Cut Function, Release Display, Remote Engine Starter, Reverse Buzzer, 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 Inner Wheel Control Indicator, Rr Inner Wheel Control Warning, RR Wheel Air Bleeding Pattern, RR Wheel Up/Down, Rr-Seat Inside Transmitter, SCV Duty Ratio, Seat Backrest Recline, Seat Belt Indicator, Seat Heater Active Level, Seat Slide Operation, Secondary Air VSV Control, Security Horn 2, Security Horn, Security Indicator, Self Power Siren, Sensitivity Check, Service Function Measured Data Wheel Electronics, SET Indicator, Shift-By-Wire Warning, Shock Detection Unlock, Shoulder, Shut Off Valve, Shutter Closing Operation Fixed Length, Shutter Closing Operation Lock Detection, Shutter Half-Open Operation, Shutter Opening Operation Fixed Length, Shutter Opening Operation Lock Detection, Side Back Support, Side Cushion Support, Side Mirror Foot Light, Side Support Operation, Signal Check, SIL Down Indicator, SIL Indicator (Down), SIL Indicator (Up), SIL Up Indicator, SLC Solenoid, Slide Roof, Sliding Sunshade, Slip Control System, Slip Indicator Light, Slip Warning, SLS Pressure, Smart System Indicator, Smart System Warning, SOC Gauge (1-2), SOC Gauge (1-4), SOC Gauge (3-4), SOC Gauge (MAX), SOC Gauge (MIN), SOC Warning Indicator, SOC Warning, Solenoid (SB), Solenoid Relay, Solenoid(SB), Solenoid(ST), Sound, Speed Alarm Buzzer, Speed Meter Operation, 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,

Stoichiometric Ratio Combustion, 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 Lamp, Stop Light Relay, Stop light System Indicator Light, Stratified Charge Combustion, Stroke Simulator Cut Valve Pattern, Sub Fuel Gauge Operation (1-2), Sub Fuel Gauge Operation (1-4), Sub Fuel Gauge Operation (3-4), Sub Fuel Gauge Operation (Empty), Sub Fuel Gauge Operation (Full), Sub Fuel Gauge Operation (Sender E), Sub Fuel Gauge Operation (Sender F), Sub Fuel Gauge Operation, Sub Fuel Tank VSV, Supercharger Control, Swirl Control VSV, Tachometer Operation (0rpm), Tachometer Operation (10000rpm), Tachometer Operation (2000rpm), Tachometer Operation (3000rpm), Tachometer Operation (4000rpm), Tachometer Operation (5000rpm), Tachometer Operation (6000rpm), Tachometer Operation (7000rpm), Tachometer Operation (8000rpm), Tachometer Operation (9000rpm), Tachometer Operation, Tail Lights, Tail OFF Indicator, Tailgate Open, Taillamp Indicator, Taillight Relay, Taillight-Clearance Light, Target Fuel Pressure Control, Telesco Operation, Temporary Activation and Temporary Deactivation, Temporary Vehicle Start Up, Test Mode, Test the Turbo Charger Step Motor #2, Test The Turbo Charger Step Motor Bank 1, Test The Turbo Charger Step Motor, Tilt Operation, 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, Turbo Boost VSV Control, Turbo Pressure VSV, Turn Light LH Relay Operation, Turn Light RH Relay Operation, Turn Signal Indicator - Left, Turn Signal Indicator - Right, Unlock All Doors, Unlock Rear Lid, Upper Air Mix (Driver Side), Upper Air Mix (Passenger Side), Variable Intake VSV Control, Variable Shade Beam LH, Variable Shade Beam LH/RH, Variable Shade Beam LH-RH, Variable Shade Beam RH, Vehicle Approach Warning OFF Indicator, Vehicle Horn, Vehicle Proximity Notification System Warning, Vehicle Stop Warning, VGRS Warning, Viscous Heater, VN Turbo Open, 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 Indicator Lamp, VSC OFF Indicator Light, VSC OFF Indicator, VSC Solenoid, VSC TRC Indicator, VSC Warning Light, VSC/TRAC Off Indicator Light, VSC/TRAC Solenoid, VSC/TRC Indicator, VSC/TRC Solenoid (SMF), VSC/TRC Solenoid (SMR), VSC/TRC Solenoid (SPFL), VSC/TRC Solenoid (SPFR), VSC/TRC Solenoid (SRCF), VSC/TRC Solenoid (SRCR), VSC/TRC Solenoid (SRMF), VSC/TRC Solenoid (SRMR), VSC-TRAC Off Indicator Light, VSC-TRAC Solenoid (SMF), VSC-TRAC Solenoid (SMR), VSC-TRAC Solenoid (SPFL), VSC-TRAC Solenoid (SPFR), VSC-TRAC Solenoid (SRCF), VSC-TRAC Solenoid (SRCR), VSC-TRAC Solenoid (SRMF), VSC-TRAC Solenoid (SRMR), VSC-TRC(TRAC) Solenoid, VVT Exhaust Linear (Bank 1), VVT Exhaust Linear (Bank 2), VVT Linear (Bank 2), VVT System (Bank 2), VVTL System (Bank 1), VVTL System (Bank 2), 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), Water Temperature Meter Operation, Wheel Electronics - Warning and Calibration Data, Wheel Speed Sensor Functional Test, Wheel Speed Sensor Supply, Windscreen Washer Pump, Wing and Deflector Extend/Fold, Wing Angle, Wing Extend, Wing Fold, Wiper end position test, Wiper Motor Hi, Wiper Motor Lo, Wiper Power Relay, Wiper Service Position, Wireless Buzzer

## New Coverage Details – USA European

### New Audi Coverage

- Added coverage for 499 new system applications

#### 1687 new special tests:

Activate component protection, Activate/deactivate start/stop function, Actuator/structure-borne noise, Adaption, dyn.oil press. warn.:speed threshold, AdBlue 4-/2-way valve, AdBlue circuit: Pressure reduction, AdBlue delivery pump, Add. PTC heater 2 input, Adjust mirror upward, Adjustment: Lighting for locating vehicle, Adjustment: Locking whilst driving, After-wipe adjustment, Audio reduction adjustment, Automatic transmission oil level check, Aux.coolant pump high-temp. circ., Auxiliary/supplementary heating: Fill and bleed the component <Fuel supply pipe>, Average consumption display correction, Basic setting, charge air flow flap, Bleed cooling system, Camshaft drive timing chain: Reset adaptation values, Center vent control motor, Center vent trim, Charge air compressor bypass flap, Charge connection<BR>Charge connector lock, Charge indicator lamp 2, Circulating pump, Compressor (Passenger side multi-contour seat), Coolant pump 3, Cooling system: Bleeding, Crankcase breather heating element, Deactivate transportation mode, Defrost flap right, Diesel particulate filter adaption, Door power latching system, Drain fuel tank, Driving school acoustic warning, DS belt buckle illumination, EGR cooling switching valve, EJECT button disable adjustment, Electric coolant pump, Electric coolant pump (HV battery coolant circuit): Control, England ROW DWA alarm signal adjustment, Evap. emission control regener. valve 2, Exhaust flap control motor, Exhaust gas differential pressure sensor: Resetting, Exhaust gas turbocharger bypass valve 1, Exhaust gas turbocharger reset, Exhaust gas turbocharger test, Exterior lighting, Fault display, Fill pressure lines, Flexible SID adaption (gasoline), Fog lamp support left, Footrest adjustment, Fr.left window defroster flap CM, Acc. ped. double imp. generation, Activate/deactivate cruise control, Active accelerator pedal, Active head restraints, Adapting of control motors, AdBlue circuit leak test, AdBlue tank heating, Additional heater glow plug: Reset adaptation values, Additional interior lighting, Adjust mirror downward, Adjust mirror inward, Adjustment: Headlight washer system, Air distribution flap, Air system test, Airbag control unit: Reset counter (roll-over protection triggerings), Airbag crash signal US version, Air-conditioning system: Adaption after replacing perfume bottle 2, Alarm horn, Ambient light: Channel 1, Analogue display test, Audio data storage adjustment, Basic setting, exhaust-gas recirculation, Belt comfort fit actuator, Boost pressure control valve, Brake light, Brake-pedal position sensor: Test, Camshaft-position sensor: Adapting, Central electronics control unit: Reset learning values, Central locking, Close load compartment cover, Combustion chamber pressure sensors: Resetting, Compressor control flap basic setting, Control unit output terminal 30, Control unit: Request access authorisation, Convenience rear window wipe adjustment, Coolant shutoff valve: Actuation, Cooling system: Filling, Cylinder pressure sensors adaptation reset, Daytime driving light, Defrost flap control motor, Delete Bluetooth handsets learnt, Delete Bluetooth mobile phones learnt, Diesel particulate filter: Resetting, Diesel particulate filter: Write configuration, Display 1, Display illumination test, Door handle control ON, EGR control valve, EGR cooling bypass valve, Electric aux. fuel pump relay, Emergency braking hazard warning adjustment, Engine bearing, Engine component relay, Engine control unit: Cancel access authorisation for protected functions (SDA), A/C compressor adaptation, A/C operating/display unit: Automatic addressing, AC/heat output test, Acc. ped. press. point generation, Acoustic test signal, Activ./deactiv. Traffic Message Channel (TMC), Activate antenna 1, Activate antenna 3, Activate anti-theft alarm, Activate system, Activated charcoal filter<BR>shutoff valve, Activation: Actuator

test, Actuate charging connection 2, Actuation/charging flap unlocking 1, AdBlue dosing valve, AdBlue dosing valve: Test, AdBlue injector 2 (bank 1), Adjustment: Automatic dipped beam, Adjustment: Conv. top convenience actuation, Air flow flap control motor, Air quality sensor: Configuring, Airbag control unit: Roll-over protection test, All Warning Lamp, Alternator: Functional test, Ambient lighting, Anti-theft device, Automatic rear wiper function, Auxiliary coolant pump LT circuit, Background illumination, Battery (12V): Checking of components <Battery cells>, Battery (high-voltage): Clear fault memory after crash, Bleed fuel system, Break recommendation, Bus optical transmission power reduction, Catalytic converter bank 1: Heating phase, Central flap control motor Center, Central flap positioning motor, Central locking: Reset adaptation values, Charge connection flap, Charging flap 2 actuation signal, Close all-wheel pump solen. valve, Close charging connection flap 2, CM HUD vertical deflection mirror, Continued engine operation circuit, Control unit access authorisation: Check locking at system level, Coolant 3-way solenoid valve: Actuation, Coolant bypass valve basic setting, Coolant circulation pump 2, Coolant pump 2, Coolant switching valve 2, Cooling output test, Crankshaft trigger wheel: Adapting, Def. left matrix headlamp segment, Differential pressure sensor adaption, Dipped beam, Activate showroom mode, Activate/deactivate roller dynamometer mode, Actuator AZB, Adaptive damping system basic setting, AdBlue return delivery, Additional indicator lamp panel, Adjust mirror outward, Adjustment: Lighting on leaving vehicle, Air mix flap control motor, Alarm system LED, All actuators, Allocate control motors, Anti-theft alarm siren: Alarm detec., Battery (high-voltage): Reading out the current capacity, SOH (State of Health), Battery (high-voltage): Readout of the current capacity, Brake light: Actuation, Camshaft timing control (B1), inlet, CAN data bus: Write configuration, CAT conversion rate (bank 1), CAT conversion rate (Bank 2), Central electronics control unit: Cancel access authorisation for protected functions (SDA), Central locking LED, Charge indicator lamp 1, Close clutch, Closed circuit relay, Compressor (Driver side multi-contour seat), Compressor magnetic clutch, Compressor run-in, Control lamp button load profile, Control lamps, Convenience locking adjustment, Coolant circuit switching valve, Coolant shutoff valve, Cooling circuit control valve, Cooling system: Filling and bleeding, Crankcase breather heater 1, Dipped beam actuation, Disconnect coupler, Display 2, Display test, DWA driver door opening alarm delay adjustm., EGR low-pressure diff. press. sensor: Adapting, EGR solenoid valve, Electric air conditioner compressor, Electric automatic transmission oil pump: Test, Electric fuel pump control basic setting, Electric machine bypass valve, Emergency call system: Loudspeakers, Emission warning lamp (MIL), Enable control unit, Encoding of retrofitted components, Engine control unit: Reset misfiring counter, Engine temperature management basic setting, EVAP actuation, Evaporative emission shutoff valve, Activate display, Activate energy saving mode, Activate TV stand.country setting, Actuation/charging flap locking 2, Actuator test, Adaptation of idle speed, AdBlue injected quantity test, AdBlue tank heating 1: Actuation, Additional main beam, Adjustment: Acoustic locking signal, Adjustment: Acoustic unlocking signal, Adjustment: Ext. mirror/rear window heating, Air intake system: Test, Air supplementary heating, Airbag indicator light OFF, Alternator test 10.6 V, Analog clock, Anti-theft alarm siren/horn, Auxiliary coolant pump HT circuit, Battery (12V): Encoding, Battery replacement, Battery separation relay, Blower motor: Maximum power, Blue test pattern, Brake lining wear indicator: Resetting, CAR menu speed threshold adjustment, Central flap control motor Footw., Central locking: Remote control, Charge-air cooler clnt. mix.valve, Check link with server, Close charging connection flap 1, Compressor run-in blower voltage adaption, Control lamp (Parking assistant), Coolant circulation pump 4, Country version encoding, Crash signal/all belt tensioners, Daytime driving light actuation, Deactivate display, Differ. pressure sensor adjustment (Bank 2), Driver side door light actuation, DS window-lifter motor: Close, DWA interior monitor sensitivity adjustment, DWA tilt sensor sensitivity adjustment, Dynamic flashing, Electr. air suppl. heater actuation, Electr. vacuum pump (brake), Electric coolant pump 2, Electric drive control: Cancel access authorisation for protected functions (SDA), Electric fuel pre-supply pump, Electric fuel pump, Emblem camera, Engine control



unit: Reset self-ignition counter, Engine oil pump, bypass sol.valve, Engine suspension<BR>solenoid valve, left, Exhaust camshaft control solenoid valve, A/C compressor, Activate antenna 2, Activate/deactivate production mode, Actuate charging connection 1, Actuation/charging flap locking 1, Adaptation of service-interval display, Adaption of speed limitation, AdBlue circuit system drainage, AdBlue metered quantity measurement, Add. PTC heater 1 input, Addit. cooling medium pump relay, Additional turn signal indicator, Adjustm.: Pass.comp.sensor trigg. sensitivity, Adjustment: One-touch turn signal indication, Adjustment: Remote control conven. actuation, Adjustment: Type of alarm signal, Air conditioner control motors: Automatic addressing, Air flap actuator, Air mass meter reset, Airbag crash signal Rest of World, ASR/ESP control lamp, Auto-Hold indicator lamp, Autom. transm. adaptation values adapt., Aux.coolant pump low-temp.circuit, Auxiliary/supplementary heating: Metered quantity measurement (fuel), Bad weather light right, Basic setting, Basic setting kickdown, Bi-xenon screen, Blower motor: Half power, Bluetooth interface activation/deactivation, Camshaft timing control (bank 2) (Inlet camshaft (bank 2)), CD/DVD ejection, Central electronics control unit reset, Central locking system locking unit, Rear lid, Central locking system: close, Charging flap 1 actuation signal, Clutch actuator: Adapting, Combustion air blower, Compression test, Coolant bypass valve, Coolant pump switching valve, Cylinder head coolant valve, Deactivate gateway ctrl. unit transport mode, Diesel particulate filter regeneration: Static, Display test pattern, Door interior handle illumination, DWA primed feedback adjustment, Dynamic cornering light, EGR control motor 2, EGR valve basic setting (Bank 1), Electric brake booster: Test, Electric parking brake: Actuator test, Engine mount. sol. valve, right, Error text output, 4WD clutch solenoid valve, Activate gateway control unit transport mode, Activation tone adjustment, Active accelerator pedal activation, AdBlue injector 1 (bank 1), Additional heater, (High-voltage system): Actuation, Adjustment: Footwell lighting, Adjustment: Unlocking after key removal, Adjustment: Unlocking options, Air flow flap, Air-conditioning system control unit reset, All-whl. drive clutch sol.valve 2, Aux Pump, Auxiliary battery (12V): Switching in, Battery (high-voltage): Cancel access authorisation for protected functions (SDA), Battery adaptation, Bleed system/AdBlue circuit leak test, Bluetooth connection last device, Boost pressure actuator, Boost pressure actuator basic adjustment, Boost pressure solenoid valve, Brake booster vacuum pump, Brake booster: Cancel access authorisation, Brake-pedal position sensor: Adapting, Braking mode, Button LED, Camshaft timing control (B1), outlet, Child protection, left rear, Clutch: Reset adaptation values, Coolant pump, charge-air cooler, Corner lamps, Cornering lights, Crankcase ventilation solenoid valve, Crash signal, CU output terminal 30 controlled, Def. rght.matrix headlamp segment, Defroster flap control motor, Drive program, Driving school rem.ctrl.indic.LED, DS window-lifter motor: Opening, Dynamic light assist: Light function actuation, EGR solenoid valve: Actuation, Electric fuel pump relay, Electric thermostat, Engine mounting control 1, Engine oil cooler bypass valve, Evaporative emission control regenerat. valve, Exhaust flap Bank 2, Exhaust gas recirc. positioner 2, Exhaust gas recircul. solenoid valve 2, Exhaust gas recirculation control unit: Cleaning test, Exhaust turbocharger cntrl. valve, Expansion valve 3, Footwell lamps, Fresh air/recirculated-air flap, A/C compressor: Actuation, Activate rem.cont.sign.warng.tone, Actuate charging connect. 1 LEDs, Actuate charging connect. 2 LEDs, Actuation of all components <Radiator fans>, Actuation of all control motors, AdBlue pump/pipe heating, AdBlue tank heating 2: Actuation, AdBlue tank level reset, Adopt.of unfiltered ambient temp., Air conditioner control motors: Adapting, Airbag: Cancel access authorisation for protected functions (SDA), Air-conditioning system: Adadption after replacing perfume bottle 1, Alternator test 15.0 V, Ambient lighting: Actuation, Analog signal muting, Audio signal delay adjustment, Automatic start/stop button control lamp, Auxiliary coolant pump, Auxiliary/supplementary heating: Test, Backrest adjustment, Bad weather light left, Battery (high-voltage): Diagnosing state, Black test pattern, Bleed, Bleed pressure lines, Blinker, Bluetooth connection profile adjustment, Boost pressure actuator: Adapting, Central locking system warning lamp, Central locking system: open, Charge air cooler bypass valve, Check bus sleep mode, Child safety lock, Clean clutch, Close sun

blind, Cold start valve, Compressor run-in time adaption, Control unit box fan motor, Control unit housing fan actuation, Control unit run-on time adjustment, Coolant circulation pump, Coolant circulation pump 3, Coolant pump actuation in LT circuit, Coolant thermostat: Adapting, Crankcase breather control valve, Cruise control operating unit: activation, Cup holder ambient light, Deactivate juvenile protection, Defrost flap left, Differ. pressure sensor adjustment (Bank 1), Driver side mirror adjustment, Driver side multi-contour seat: Functional test, Driver's side exterior antenna, Driving program switch, EGR control unit low pressure: Adapting, Engine control unit: Reset start/stop data, Engine management adaptation values reset, Engine mounting control, Engine mounting control 2, Engine temp. regulation actuator, Exh. gas treatment SCR heating 3, Exhaust flap 2, Exhaust gas flap control module 2, External noise volume adjustment, Fan actuation, Fault lamp, Fixed service interval configuration, Front and rear control motor basic settings, Front door light, Front parking assist. loudspeaker, Front PS door trim ambient light., Front right window lifter switch, Front short-range camera: Test pattern, Front-passenger airbag indicator lamp (OFF), Gateway control unit reset, Hazard warning system button, Hazard warning system lamp, Hazard warning system lamp, Headlamp fan actuation, Headlamp position vertical centre, Headlight washer system relay, HV battery charging module: Cancel access authorisation for protected functions (SDA), In-cylinder flow flap 1 basic setting, Indicator light, hazard flasher, Infotainment control unit: Resetting, Injector cylinder 2, Injector cylinder 4, Injector zero quantity calibration reset, Intersection light right, Kerb parking distance adjustment, Knock sensors: Resetting, LED headlamp fan motor 4: Actuation, LED headlamp: Channel 4 actuation, LED headlamps: High-side channel 2, Left intersection light, Left trailer stop lamp, Load compartment cover basic setting, Locking with remote control opt. feedback, Loudspeaker test, LP - exhaust gas recirculation basic setting, Magnetic coupling: air conditioner, Matrix headlamp reference segment, Media play volume adjustment, Move left headlamp vertically, Mute entertainment, Oil pressure regulating valve, Oxidation catalytic converter: Resetting, Parking steering assistant cut-in speed adj., Power door latching sys.actuation, PTC add.heat. on, Display calibration, Display illumination, Display: Test, Double clutch transmission control unit.: Adapting, Drain fuel system, Driver door handle sensor, Driver side side window sun blind, EGR bypass solenoid valve, Electric fuel pump adaptation, Electric fuel pump control unit, EMC test mode, Emergency call system: Functional test, Emergency call system: Manual emergency call, Engine control unit: Activate/deactivate increased engine oil pressure for engine break-in, Engine temperat. regulation actuator, ESP test, Exh. gas treatment SCR heating 2, Exhaust flap adaption, Exhaust flap, Low-pressure exhaust gas recirculation, Exhaust gas flap control module, Exhaust gas flap control module 2: Adapting, Exhaust gas recirc. positioner 1, Exhaust gas turbocharger bypass valve, Expansion valve 2, Extend trailer coupling, Extension module, Exterior mirror heating, Fog lamp support right, Footwell lighting, Forced change-up adjustment, Fr.air/recirc.air/air fl. flap ctrl.mot., Front central locking Unlock, Front footwell lighting, Front left fog headlight, Front parking aid warning buzzer, Front passenger side door ambient light: Contour lighting, Fuel pressure regulation, Fuel quantity solenoid valve, Fuel tank shutoff valve, Function kink angle sensor, Function light 1, Head restraint adjustm. to front, Head restraint adjustment, Headlamp pos. right horiz. inner, Headlamp setting, Headlamp: Left horizontal centre position, Headlamp: Left horizontal external position, Headlight washer pump, High-voltage batt. management contr.unit: System self-test, HV battery charge, HV battery charge/discharge current, HV battery cooling system valve 1, Inflation pressure warning lamp, Infotainment/multimedia display 2: Test pattern, Injection valve, cylinder 2, Exhaust flap, Exhaust supercharger air circulation valve, Exhaust-gas turbocharger control unit 1, Fan Control, Flexible SID adaption (Diesel), Fresh air/recirculated-air flap: 50 %, Fresh-air flap / Recirculated-air flap, Front acoustic signal volume, Front control motor basic settings, Front DS door trim ambient light., Front fresh air blower, Front left turn signal indicator bulb 2, RL turn signal ind. 2 bulb, Front left window lifter switch, Front right fog headlight, Front windscreen washer pump, Fuel metering unit, Fuel metering valve, Fuel pressure control valve, Gateway: Check no-load

current, Gong, Headlamp position vertical top, Headlight basic setting, Heated rear window, Heated windshield indicator lamp, High-pressure injector (cylinder 4), Horn Output, HV batt. charge warning lamp, HV battery coolant switching valve, HV battery cooling heat exchanger, Heat exchanger shut-off valve, Individ. matrix headlamp segment, Injection valve, cylinder 1, Injection valve, cylinder 3, Injection valve, cylinder 6, Injector Buzz Test, Injector encoding, Inlet camshaft control solenoid valve, Inlet camshaft timing control (bank 2), Intake manifold flap control unit: Adapting, Intake-manifold/in-cylinder<BR>flow flap, Le. dayt.driv./side light LED power mod., Le.LED lgt.distr.: Stat.corn.lgt., LED channel 1 actuation, Left air distribution control motor, Left daytime driving/side light, Left headlamp light distribution, Left motorway light, Left rear light, Load compartment light, Locking with key switch optical feedback, Main relay, Map-controlled cooling thermostat, Maximum cooling output, Maximum vehicle speed, Move right headlamp vertically, Natural gas pressure reduction, Neutral position sensor adaptation, Fresh air/recirculated-air flap: 100 %, Fresh-air flap control motor, Front interior antenna, Front right seat ventilation, Front right side marker lamp, Front-passenger airbag indicator lamp, Fuel preheating, Fuel pump, Gasoline particulate filter regeneration: Static, Gateway: Cancel access authorisation for protected functions (SDA), Gradual rear lid closing, Headlamp pos. left vert. center, Headlamp pos. right horiz. outer, Headlamp pos. right vert. top, Headlamp: Left vertical bottom position, Headlamp: Left vertical top position, High-side channel actuation, High-voltage charging timer and high-voltage charging profile data: Reset to factory settings, Horn (Anti-theft alarm system), Horn: Actuation, HV charging cable indicator lamp, In-cylinder flow flap, Infotainment/multimedia display: Resetting, Injection valve, cylinder 4, Injection valve, cylinder 5, Interior monitor button LED, Keyless locking optical feedback, Lambda sensor ageing bank 1, sensor 2, Lamps for fog lamp actuation, Le. LED lgt. distr.: Main beam, LED channel 2 actuation, LED channel 3 actuation, LED headlamp fan motor 2: Actuation, LED headlamps: High-side channel 4, Left B-pillar/footwell<BR>shutoff flap control motor, Left racing light, Left side light: 1, Left torque request Stage 1, Left torque request Stage 2, Left transmission mounting valve, Left vent trim, Lft light distr.: Aut. main beam, Locking/unlocking visual signal adjustment, Luggage compartment cover adaptation, Maximum refrigerating output, Move left headlamp horizontally, Multi-contour seat compressor, Neutral position sensor adapting, New DPF, reset adaptation values, No-load current test, Open clutch, Output charge-air switching valve<BR>bypass flap, Parking light adjustment, Particulate filter regeneration, Exhaust flap actuator, Exhaust flap: Resetting, Exhaust gas recirculation adjustment adapt., Exhaust gas treatm. SCR injector, Exhaust gas treatment SCR heating, Exhaust gas turbocharger bypass valve 2, Exhaust gas turbocharger bypass valve: Adapting, Exhaust-gas turbocharger: Encoding, Flame monitor/glow element unit, Fragrance atomiser control motor, Fragrance blower motor, Fresh-air blower, Front driver side door ambient light: Contour lighting, Front left side marker lamp, Front left side vent control motor, Front right seat heating, Front window lifter: Lower, Fuel evaporation regeneration valve, Fuel metering pump, Fuel quantity control valve adjustment, Fuel tank breather valve, Fuel tank ventilation: Actuation, Function LED actuation<BR>Lock/SAFE, Glow plug system, HDC info lamp, Head restraint adjustment: Up, Headlamp pos. right vert. center, Headlamp position vertical bottom, High-pressure injector (cylinder 2), HV battery cell evaluation, HV battery coolant pump, HV battery cooling system valve 2, HV battery immediate charging button, HV charging connection: Reset the number of charging cable mating cycles, Indoor fragrance atomiser: Scent 2, Injector adaptation, Inlet camshaft timing control, Instrument cluster control unit: Cancel access authorisation for protected functions (SDA), Intake manifold flap, Intake manifold switching valve, Interior and function lighting, Interior rear light, Le. LED lgt. distr.: Motorw. lgt., Le. LED lgt. distr.: Racing light, Le. LED lgt. distr.: Tourist lgt., Le. lgt.distr.: Country road lgt., Le. light distr.: Light/dark lim., Left daytime driving light, Left footwell flaps, Left headlight range control Up, Left main beam, Left main beam screen, Left sliding door, Left trailer side light lamp, Electric supplementary heater, Enable / disable. Oil pressure for engine run, Engine mounting solenoid valves, Engine suspension<BR>solenoid valve, right, Engine: Reset (engine start inhibit due to

lack of operating fluid <Urea solution (AdBlue)>), Exh. gas turbocharger control motor adap., Exh. turboch. recirculation control unit: Adapting, Exhaust gas recirculation cooler: Electric coolant pump, Exhaust gas recirculation flap adaptation, Exhaust gas recirculation valve adaptation, Expansion valve 1, External noise actuator, Fixed service interval adjustment, Flexible service interval adjustment, Fold in driver side exter. mirror, Front air distribution control motor, Front axle torque request, Front central locking SAFE, Front centre console ambient light 1, Front fog headlight, Front right short-range radar sensor: Static adaptation, Front right turn signal indicator bulb 2, RR turn signal indicator 2 bulb, Front window lifter: Lift, Front windscreen washer system, Fuel high-pressure system reset, Fuel pressure reduction, Fuel pump adaptation, Gasoline particulate filter: Resetting, Gasoline particulate filter: Write configuration, Gateway: Configure pause recommendation, Glow control unit, Glow control unit 1, Glow plug warning lamp, Headlamp pos. left horiz. inner, Headlamp pos. right vert. bottom, High-pressure injector (cylinder 6), HV system: Auxiliary coolant pump, In-cylinder flow flap 2 basic setting, Indicator lamp for<BR>passenger-compartment monitoring, Injector cylinder 3, Intake manifold flap 1, Intake manifold flap control module 2: Adapting, Interval display service: Resetting, Keyless unlocking optical feedback, Lambda sensor ageing (B2, S1) function. test, Lambda sensor ageing (B2, S2) function. test, Lambda sensor ageing bank 1, sensor 1, Le. LED lgt. distr.: C. road lgt., Le. LED lgt. distr.: Urban light, LED headlamp: Design light, LED headlamps: High-side channel 1, Exhaust gas flap control module 1: Adapting, Exhaust gas recirculation valve basic setting, Exhaust gas treatment: Resetting, Extend mirror, Filler neck compar. lid unlocking, Flame sensor of<BR>supplementary/auxiliary heater, Flexible service interval configuration, Fold in pass. side exter. mirror, Footwell flap control motor, Fr.right window defrost. flap CM, Fragrance atomiser control motor: Adapting, Front central locking Lock, Front left seat ventilation, Front side light, Fuel cooling relay, Fuel low-pressure sensor: Resetting, Fuel pressure control valve adjustment, Fuel quantity control valve, Fuel tank breather valve: Actuation, Function light 2, Gradual rear lid opening, Green test pattern, Headlight washer system, Headlight washer system actuation, Head-up display self-test, Heating water valve, Humidity sensor: Configuring, HV system crash signal, Ignition lock: Check locking, Indirect ventilation vent flap, Infotainment/multimedia control unit: Restart, Injector cylinder 1, Instr. cluster all displays off, Intake manifold flap control module 1: Adapting, Inverter phase current evaluation, Lambda sensor adjustment, Lambda sensor reset, Le. LED lgt. distr.: Inters. lgt., Le.LEDlgt.distr.:All-weather lgt., Learning of info on control units fitted, LED headlamp fan motor 3: Actuation, Left headlight range control Down, Left light distr.: Urban light, Left outer brake light, Left side light: 2, Left static cornering light, Left temperature flap control motor, Left torque request Stage 3, Left turn signal indicator, Luggage compartment lighting, Mechanical system display unit 1, Microphone sensitivity adjustment, Mirror fold-in switch, Mixture correction reset, Move right headlamp horizontally, Front acoustic signal frequency, Front flashing light actuation, Front left seat heating, Front right side vent control motor, Fuel quantity control valve 2, Generate readiness code, Headlamp pos. right horiz. center, Headlight range control, Heating pump actuation, High-pressure injector (cylinder 1), High-pressure injector (cylinder 3), High-pressure injector (cylinder 5), Horn, Indoor fragrance atomiser: Scent 1, Info menu display time adjustment, Infotainment control unit: Cancel access authorisation for protected functions (SDA), Injector adjustment (Bank 1), Instrument cluster: Contour lighting, Intake air control valve, Intake manifold flap 2, Le.LED lgt.distr.: Dayt. dr.light, Le.lgt.distr.: Full b. indic.lamp, Leakage test function, LED (HV charging connection): Actuation, LED headlamp fan motor 1: Actuation, Left daytime driving light bulb 2, Left footwell flap control motor, Left open road light, Left side light/dayt. driv. light bulb 2, Left stat.crng.light act. 100%, Left trailer turn signal indicator, Left window defrost flap control motor, Lin bus 2 control motor adaption, Main beam, Maximum heat output, Metered quantity measurement/small quantity, Mirror fold-in/fold-out, MMI display temp. setting actuat., Move gear positioner to removal position, Multifunction output 1, Operating unit illumination, Outlet camshaft timing control, Parking aid, Loudspeaker, Parking light actuat. on both sides, Passenger



side multi-contour seat: Functional test, Passenger's side exterior antenna, Piston cooling nozzle solenoid valve, Power supply, terminal 15, Power window switch RL, Puddle lamp, Radiator blind: Actuation, Radiator fan relay: Stage 2, Read central electronics control unit config., Read injector codes, Rear air distribution flap control motor, Radiator blind 1, Rain/light sensor: Adapting, Rear acoustic signal volume, Rear left air distribution control motor, Rear left sun blind, Rear left window lifter: Close, Rear lid adaptation, Rear PS door trim ambient light., Rear right air distribut. control motor, Rear side light, Rear spoiler display actuation, Refrigerant shut-off valve (Air-conditioning system), Refrigerant shut-off valve 4, Reset all adaptation values, Reset control unit, Reset fuel pressure adaptation, Reset timing chain adaption values, Resetting of service-interval display, Retract trailer coupling, Ri. light distr.: Light/dark lim., Ri.LED lgt.distr.: Motorw. light, Right air distribution control motor, Right air mix flap control motor, Right motorway light, Right sd light/dayt. driv. light bulb 2, Right torque request Stage 1, Right trailer side light lamp, Roll-over bar triggering, Roof marker light, Roof sign, Secondary-air valve, Segment test, Servomotor for air flow flap,<BR>left rear, Start valid authentication, Starter generator: Functional test, Starting torque adjustment, Static test, Sun roof adaptation, Sunroof, Supplementary air heater<BR>control unit, Supplementary heater: Reset starter interlock, System functional test, Tank flap release, Telephone basic volume adjustment, Test screen, Trailer indicator lamp, Trailer reversing light, Transfer A/C control unit configuration, Turbine sol. valve turbocharger2, Turn signal indicator, Two-way radio, Valve for transmission mounting 1, Vehicle width adjustment, Water Pump, Write configuration, Injector reset, Injectors: Test, Inlet camshaft timing control (bank 1), Intake air switching valve, Keyless antennas: Access/start authorization, Left air mix flap control motor, Left center vent control motor, Left engine mounting, Left LED headlamp power module: Resetting, Left side vent control motor, Lift sunroof, Light control: Left-hand/right-hand drive resetting, LP-EGR diff. press. sens. home setting, Luggage compartment interior antenna, Main beam: Actuation, Menu-driven configuration, Metered quantity measurement/large quantity, Microph. signal via audio output, Mileage data adjustment, Mirror adjustment To left, Mirror heating, Multifunction output 2, Muting: CAN signal, Open load compartment cover, Park Distance Control switch LED, Passenger side mirror adjustment, Radiator blind adaptation, Radiator fan: Actuation 2, Rain/light sensor: Write configuration, Reading lights, Rear blower motor, Rear fresh air blower, Rear left door handle sensor, Rear left temp. flap control motor: Actuation, Rear lid lock release actuation, Rear lid: Close, Rear lid: Opening, Rear spoiler, Reset adaption to factory setting, Reset MOST bus break counter, Reset start inhibit due to lack of AdBlue, Ri. light distr.: Motorway light, Right B-pillar/footwell<BR>shutoff flap control motor, Right center vent control motor, Right daytime driving light bulb 2, Right head area heating, Right open road light, Right rear power window switch, Right sliding door, Right turn signal indicator, Seat heating, Seat memory position 2, Selector lever lock, Side marker light, Solenoid valve/exhaust flap 2, Static cornering light, Status: Charging flap release, Pulse-wheel test, Radiator blind 2, Radiator blind 2: Actuation, Radiator fan, Rear air recirculat. flap control motor, Rear air volume CM actuation, Rear central locking Lock, Rear door light, Rear dr.side PW: Closing signal, Rear left seat heating, Rear lid exterior antenna, Rear pass.side PW: Open signal, Rear right central locking motor, Rear window lifter: Lift, Rear window washer pump, Reference channel delay adjustment, Refrigerant compressor magnetic coupling, Refrigerant shut-off valve 5, Reset particulate filter adaption values, Retract display, Ri. LED lgt. distr.: Racing light, Ri. lgt. distr.: Country r. light, Right exhaust flap control motor, Right window defrost flap control motor, Running gear control unit: Adapt components <Level sensors>, Safety/gateway control unit: Enable communication, Screen wiper motor, Search illumination, Seat angle adjustment, Secondary air control val. (bank2), Secondary air pump relay, Side light actuation, Status PTC - additional heater 3, Sun roof: Opening, Supplementary heater: Encoding, Suppress mirror glare, Swirl flap basic setting (Bank 1), Test mode, Test pattern 5, Test pattern 7, Throttle valve (Bank 1), Throttle valve basic setting (Bank 1), Throttle valve control unit 1: Adapting, Tone seq.syst.activ.via horn act., Top speed configuration, Tourist light right, Tourist mode,

Transmission rapid adaption, Triggering of thermostat, Turbocharger basic setting, Turn signal lamps: Actuation, Unlock trailer coupling, Unlocking with key switch optical feedback, Vehicle electrical system control unit: Diagnosis of the system <Onboard electrical system (48V)>, Voltage converter: Functional test, White test pattern, Nozzle heating, Open sun blind, Operating unit button illuminat., Outlet camshaft timing control (bank 1), Parking light, Passenger compartment lighting, Passenger compartment lighting: Dimming, Passenger door handle sensor, Pedestrian warning system sound module: Volume adjustment, Program sensor code, PS window-lifter motor: Opening, Radiator blind 4: Actuation, Radiator blind control: Adapting, Radiator fan control, Radiator fan: Actuation, Read configuration, Read injector code, Rear central flap control motor, Rear centre belt catch light, Rear footwell lights, Rear left belt catch lighting, Rear left central locking motor, Rear left window lifter: Opening, Rear pass.side PW: Closing signal, Rear right childproof lock, Rear right head area heating: Stage 1, Rear window roller blind motor, Refrigerant shut-off valve 1, Relay for high heating output, Reset AdBlue system data, Reversible crash deactivation, Ri. lgt. distr.: Aut. main beam, Ri.LED lgt.distr.: Stat.corn.lgt., Right engine mounting, Right LED headlamp power module: Resetting, Right side light: 1, Right side vent control motor, Right temperature flap control motor, Right trailer turn signal indicator, SCR transfer pump, Seat heating actuation, Seat ventilation, Secondary air control valve, Secondary air pump relay 2, Sensor unit zero position compensation, Set AdBlue tank level to "full", Single gear indicator adjustment, Solenoid valve, exhaust flap 1, Special signal system, Steering column adjustment downwards, Steering wheel paddle adjustment, Swirl flap, Swirl flap positioner 1, Switchable water pump, Tank leakage diagnosis check valve, Tank leakage pump, Test image cyan, LED headlamps: High-side channel 3, LED, hatchback-lid defogger, Left and right turning light, Left cornering light: Dimming, Left exhaust flap control motor, Left footwell temp. flap control motor: Actuation, Left head area heating, Left light distr.: Motorway light, Left side-mounted turn signal indicator, Left tourist light, Left urban light, Left valve for engine bearing, Lighting test, Loudspeaker (Rear parking assistant), Lumbar support height adjustment, Mirror adjustment To right, Multimedia operating unit: Contour lighting, Muting characteristics adjustment, Open up display, Outlet camshaft timing control (bank 2), Park Distance Control control unit: Cancel access authorisation, Parking aid deactivation speed, Parking steering assistant control lamp, Passenger compartment lighting: Actuation, Pause display, Power supply, Racing light right, Radiator fan motor 1, Radiator fan motor 2, Radiator fan: Actuation 1, Rear acoustic signal frequency, Rear air mix flap, Rear air volume flap<BR>control motor, Rear central flap control motor 2, Rear central locking SAFE, Rear driver side door ambient light: Contour lighting, Rear indicator lamp, Rear left air vol.flap CM actuat., Rear left head area heating: Stage 1, Rear lid basic setting, Rear lid power latching system, Rear right door handle sensor, Rear right seat ventilation, Rear right window lifter: Opening, Rear temperature flap control motor, Rear vent control motor, Rear window lifter: Lower, Rear window washer system, Red test pattern, Relay, terminal 15,<BR>engine compartment, Relay: air conditioning, Reset adaption value, Reset DVD juvenile release password, Reset particulate filter (B1) adapt. values, Reset particulate filter (B2) adapt. values, Lifting magnet: selector lever lock, Lin bus 1 control motor adaption, Load compartment cover, Lumbar support longit. adjustment, Motor for oil cooler circuit, Move display to service position, Move gear positioner to neutral position, Number plate light, Oil pressure regulation switching test, Parking aid: Activation, Particle filter reg. auxiliary air valve, Particulate filter indicator lamp, Piston cooling jet actuation, Power supply with exh.disch.prot., Pressure accumulator valve, Pressure accumulator: Bleeding, Pressure test, PS window-lifter motor: Close, Quantity comparison, Radiator blind 3: Actuation, Radiator fan solenoid valve, Rear air distribution control motor, Rear DS door trim ambient light., Rear exhaust gas flap, Rear flashing light actuation, Rear fog light, Rear lid: Locking, Rear passenger side door ambient light: Contour lighting, Rear right belt catch lighting, Rear seat heating, Recirculation valve actuation, Refrigerant shut-off valve 2, Relay for low heating output, Relay for prefeed pump, remote control unit: Activate, Reset adaptation

parameters, Reset air mass meter adaptation values, Reset all counters, Reset Lambda sensor adaptation values, Reversing lamp, Reversing lamps, Ri. dayt.driv./side light LED power mod., Ri. LED lgt. distr.: Urban light, Ri. lgt. distr.: Main beam ind.l., Ri.LED lgt.distr.: Dayt. dr.light, Right main beam, Right side light: 2, Right transmission mounting valve, Right vent trim, Seat heating configuration, Secondary-air relay, Side light, Sol. valve 2, boost-press. control, Sun shade adaptation, Supplementary heater, Supplementary heater: Adaptation of the component <remote control unit>, Swirl flap basic setting, Neutral position sensor: Adapting, Open all-wheel pump solen. valve, Operating element illumination test, Oxidation catalytic converter adaption, Park distance control: Activate, Parking aid button, (Control lamp): Actuation, Passenger side side window sun blind, Power flow interrup. when stationary adjustm., Programming, trailer coupling, PS belt buckle illumination, Radiator blind, Radiator blind basic setting, Radiator-fan relay 1, Rear central locking Unlock, Rear control motor basic settings, Rear entry lights, Rear fog light actuation, Rear interior antenna, Rear right air vol.fl. CM actu., Rear right temp. flap control motor: Actuation, Rear right window lifter, Rear wiper motor, Recirculated-air flap control motor, Recirculating-air flap: fresh air, Refrigerant compressor relay, Reset after replacement crankshaft ring gear, Reset HV charge cable mating cyc., Reset injector adaptation values, Reset turbocharger adaption values, Reset wheel calibration, Retract mirror, Ri. LED lgt. distr.: C.road light, Ri. LED lgt. distr.: Tourist lgt., Right cornering light: Dimming, Right daytime driving light, Right daytime driving/side light, Right footwell flaps, Right headlight range control Up, Right rear light, Right stat.crng.light act. 100%, Right static cornering light, Rotor position reset, SCR system reset, Screen wiper motor: Adapting, Seat position Normal, Servomotor for air flow flap,<BR>right rear, Side light adjustment, Start/stop function: Activate/deactivate temporarily, Steering wheel heating, Sun roof motor, Supplem. heating pump actuation, Supplementary heater: Configuring, Switch off electrical loads, Tank leakage diagnosis pump, Taxi alarm, Terminal 58d<BR>(dimming for interior lighting), Air volume/distribut. display time adjustment, All Lamps On, Button LED blue, Button LED cyan, Button LED magenta, Cruise control indicator lamp, Wiper tray heating, Write injector codes, Active steering control unit: Reset learning values, Brake pad replacement step 2, Button LED red, Close differential lock, Convert. top compart. well motor, Convert. top compart.mot.fastener, Convertible top solenoid valve 5, Rear air mix flap control motor, Rear door sill trims lighting, Rear dr.side PW: Open signal, Rear left seat ventilation, Rear lid central locking, Rear right seat heating, Rear right window lifter: Close, Rear wiper, Refrigerant circuit: Reset refrigerant loss detection counter, Refrigerant circuit: Service mode activation, Refrigerant shut-off valve 3, Regeneration auxiliary air fan, Reset catalytic converter adaptation, Reset DPF differential press. sensor adapt., Reset rail pressure control valve, Reset SCR tank system adaptation, Reset stored temperature measured values, Ri. LED lgt. distr.: Inters. lgt., Right footwell flap control motor, Right footwell temp. flap control motor: Actuation, Right headlamp light distribution, Right light distr.: Urban light, Right main beam screen, Right outer brake light, Right side-mounted turn signal indicator, Right trailer stop lamp, Rotor position sensor test, Running gear control unit: Resetting adaptation values of the system <Adaptive damping system>, Seat depth adjustment, Stationary DPF regeneration, Steering column adjustment to front, Steering column adjustment upwards, Sun roof sun blind motor, Sun roof: Close, Swirl flap actuator, Taillamps, Tank flap locking: Actuation, Trailer brake lights, Trailer control: Overall vehicle configuration, Transfer configuration, Transmission adaptation basic setting 1, Transmission oil level test, Vertical headlamp servomotor, Warning tone generator, Write gateway control unit configuration, Activate/deactivate shipment mode, Front left loudspeaker 1, Front left mid-range loudspeaker, Front right loudspeaker 1, Front right treble loudspeaker, Hydraulic fluid pump relay, Parking lock: Activate, Pressure build-up, Tilt sensor trigger sensitivity adjustment, Trailer side light, Transmission control: Reset configuration, Turbocharger 1, Unlocking with remote control opt. feedback, Vehicle conditioning, Vent control motor, rear right, Wastegate control solenoid valve, Wheel circumference adjustment, Window lifter motors: Adapting, Windshield wiper service position adjustment, ACC button LED, Activate all LEDs, Charge air

pressure display, Coolant shut-off valve 2, Coolant shut-off valve 3, Supplementary heater circulating pump: Reset adaptation values, Supplementary heater: Test, Swirl flap positioner 2, Tail light actuation, Tank flap, Test pattern 1, Test pattern 6, Throttle valve (Bank 2), Throttle valve control unit, Throttle valve control unit 2: Adapting, Tone seq. switching (urban/rural), Touchpad illumination test, TPM individual specified pressure adjustment, Trailer socket power supply<BR>Pin 10, Trailer warning light 2, Transmission coolant valve, Transmission gear actuator solenoids: Neutral position, Transmission setting adaption, Turn signal lamps, Tyre pressure sensor adaptation, Vehicle speed, Video signal, Wake-up signal, Windscreen heater, Windscreen heater: Actuation, Write central electronics ECU config., Adjustment, Button LED white, Compass display, Convertible top flap motor, Convertible top solenoid valve 4, Electronic loudspeaker test, Front right bass loudspeaker, Reset start/stop counter, Ri. LED lgt. distr.: Main beam, Ri.LEDlgt.distr.:All-weather lgt., Right headlight range control Down, Right torque request Stage 2, Right torque request Stage 3, Right urban light, Right valve for engine bearing, Running gear control unit: Adapt components <Damper solenoid valves>, SCR catalytic converter: Test, Seat fore-and-aft adjustment, Seat height adjustment, front, Second battery, Self-test, Side marker lamps, Side/daytime driving light LED module: Signature light, Start/stop button simulation, Status: Battery charge button, Steering column adjustment to rear, Supplementary heater: Adapting, Supplementary heater: Reset adaptation values, Swirl flap basic setting (Bank 2), Tank leak unit solenoid valve, Test AdBlue metering valve spray pattern, Test image yellow, Test pattern 8, Throttle valve adaptation, Tiptronic steering wheel button adjustment, Torque converter lock-up clutch, Transmission adaptation basic setting 2, Transmission oil pressure accumulator: Pressure build-up, Transmission oil pressure accumulator: Pressure reduction, Transportation mode, Valve for boost pressure control, Valve for engine mounting 2, Valve for transmission mounting 2, Valve intake pipe change-over, Variable air intake system, Variant encoding, Voice output basic volume adjustment, Washer jet heater, Window lifter, Windshield wiper service position, Yellow warning lamp, Activate selector lever lock, Terminal 58t dimming, Test image magenta, Throttle valve basic setting, Throttle valve control unit adaptation, Throttle valve control unit reset, Transfer transmission ECU configuration, Transmission control: Perform adaptation drive, Transmission oil cooler valve, Transmission oil pump motor, Unlock right sliding door, Valve for engine mounting 1, Vehicle length adjustment, Vent control motor, rear left, Warning Message, Weapons box, Windscreen wiper, Windshield wiper heater element, Washer jet heater, Windshield wiper rest heating, Button LED green, System test, Tank shut-off valve, Temperature flap control motor, Test announcement, Test pattern 2, Test pattern 3, Test pattern 4, Throttle valve, Trailer brake actuation output, Trailer brake control, Trailer rear fog light, Trailer socket power supply<BR>Pin 9, Transfer central electronics ECU config., Transfer vehicle configuration, Transm. oil cooling circulation pump, Transmission adaptation basic setting 3, Transmission oil cooler bypass valve, Turbocharger 2, Turning light, Visual display adjustment, Windscreen wiper: Position, AdBlue delivery module heating, Air suspension compressor motor relay, Button illumination, Air flap range/tolerance limits, Brake pad approach actuation, Convertible top locking motor, Convertible top motor, Convertible top solenoid valve 6, Dash panel flap, Deactivate selector lever lock, EMF opening mode adjustment, Fan functional test, Encode electric power steering version, External AUX input volume adjustment, Front left bass loudspeaker, Front left loudspeaker 2, Left CM short closing pulse, Brake pad application actuation, Brake pad replacement step 1, Button LED yellow, Configuration, Disable all LEDs, Fr.left damper adj.val.curr. Soft, Ignition key removal lock, Left air mix flap, Rear axle differential lock: Fill the fuel <Differential gearbox oil>, Rear rght.damp.adj.val.curr. Soft, Rear right loudspeaker 2, Rear right mid-range loudspeaker, Rear right treble loudspeaker, Rear-axle differential lock oil pump bleeding, Refrigerant circuit: Service mode activation/deactivation, Main beam assist. indicator lamp, Open differential lock, Opt. transmission power reduct., Rear left loudspeaker 2, Rear left treble loudspeaker, Rear right bass loudspeaker, Right/left hand drive configuration, Fr.rght.damper adj.val.curr. Hard, Fr.rght.damper



adj.val.curr. Soft, Front right air spring valve, Interconnect. of all microphones, Front long-range night view camera: Reset to factory settings, Front right loudspeaker 2, Green function lamp, Hydraulic fluid pump relay 2, Indicator lamp select. lever pos., Front right mid-range loudspeaker, Left footwell temp. flap control motor, Oil temperature indicator, Convertible top indicator lamp, Convertible top solenoid valve 1, Convertible top solenoid valve 2, Convertible top solenoid valve 3, Fr.left damper adj.val.curr. Hard, Front left air spring valve, Front left short-range radar sensor: Static adaptation, Front left treble loudspeaker, Right B-pillar shut-off flap, Running gear control unit: Locking the system <Level control>, System remote control, Longit. accel. sensor zero pos. calibration, Microphone test, Pressure reduction, Rear axle differential lock: Adaptation of the component <Multi-function sensor>, Rear left vent control motor, Recirculated-air flap, Seat heating power stage 3 to 2 reduct. time, Selector lever moved transversely, Soft-top motor 2, Parking-brake system: Actuate, Pressure accumulator, preload pressure, Rear air volume control motor, Rear right backrest heating, Refrigerant expansion valve 1: Actuation, Right footwell temp. flap control motor, Steering basic setting, Stopwatch test, Multi-function steering wheel: Lighting, Parking-brake system: Release, Rear left mid-range loudspeaker, Refrigerant expansion valve 3: Actuation, Release left parking brake, Reset actuation counter, Rear right air spring valve, Red function lamp, Seat heating power stage 2 to 1 reduct. time, LED dimming interior mirror, LED wiper switch, Left B-pillar shut-off flap, Parking lock: Deactivate, Rear left backrest heating, Rear left bass loudspeaker, Rear left loudspeaker 1, Rear right loudspeaker 1, Rear window motor, Right air mix flap, Right CM short closing pulse, Running gear control unit: Set suspension height, Running gear control unit: Transfer configuration, Running gear control unit: Write configuration, Refrigerant expansion valve 2: Actuation, Transfer el. power steering configuration, Lettering test pattern, Rear left air spring valve, Rear left damp.adj.val.curr. Hard, Rear left damp.adj.val.curr. Soft, Warning buzzer, Unlock. the top glove compartment, Volume distribut. remote control, Rear rght.damp.adj.val.curr. Hard, Rear right vent control motor, Rear window, Rear-axle diff. lock system self-test, Red warning lamp, Refrigerant shut-off valve, Release right parking brake, Volume remote control, Windstop control motor, Camera heating, Front long-range night view camera: Transfer configuration, Camera shutter, Right backrest side bolster, Air supply solen.valve Message 3, Antenna module: Cancel access authorisation for protected functions (SDA), Assembly mounting actuators, Left seat side bolster, Lumbar support 3 air extrac.sol.val., Seat cushion air extraction sol. valve, Seat cushion ventilation sol. valve 2, Air supply solen. valve Message 1, Air supply solen.valve Message 9, Backrest side bolster air venting, Air supply solen. valve Message 4, Front long-range night view camera: Static adaptation, Air supply solen.valve Message 6, Air supply solen.valve Message 8, Center console lighting shade 2, Air suppl.sol.val. Lumbar supp. 3, Air supply solen.valve Message 5, Display: Road sign display, Air extrac.sol.val. Lumb. supp. 2, Air supply solen. valve Message 2, Belt tensioning 120 N, Lane keeping assist display, Air suppl.sol.val. Lumbar supp. 1, Belt tensioning 25 N, Rear left footwell light shade 1, Reset function, Window heating: Camera range, Pump motor, solenoid valve, Right seat side bolster, Seat cushion ventilation sol. valve 3, Green lane keep.ass. indic. lamp, Air suppl.sol.val. Lumbar supp. 2, Air supply solen.valve Message 10, Air supply solen.valve Message 7, Close window, Front left door lighting colour 1, Front ri. door lighting colour 2, Front ri. footwell light shade 1, Left backrest side bolster, Lumbar support 1 air extrac.sol.val., Seat cushion ventilation sol. valve 1, Yellow lane keep.ass. indic. lamp, Injection valve, cylinder 10, Rear left door lighting colour 1, Rear left door lighting colour 2, DC/DC converter: Cancel access authorisation for protected functions (SDA), EGR valve basic setting (Bank 2), Door sill lighting front left, Door sill lighting rear right, Front left footwell light shade 2, Fuel tank 2 switching valve, Injection valve, cylinder 12, Front ri. door lighting colour 3, Injection valve, cylinder 11, Injection valve, cylinder 9, Exhaust-gas turbocharger control<BR>unit 2, Injection valve, cylinder 8, Rear centre console ambient lighting: Shade 2, Rear centre console ambient lighting: Shade 3, Rear right door lighting colour 3, Rear right roller blind lighting, Rear centre console ambient lighting: Shade 1, Center console lighting colour 1, Center

console lighting shade 3, Door sill lighting rear left, Rear left door lighting colour 3, Rear right door lighting colour 1, Rear right footwell light shade 1, Front left door lighting colour 2, Front ri. door lighting colour 1, Glow control unit 2, Injection valve, cylinder 7, Injector adjustment (Bank 2), Front left footwell light shade 1, Front right footwell light shade 2, Throttle valve basic setting (Bank 2), Rear left roller blind lighting, Rear right door lighting colour 2, Rear roller blind lighting, Ancillary coolant pump, Door sill lighting front right, Front left door lighting colour 3, Rear left footwell light shade 2, Rear right footwell light shade 2, Steering angle initialization, Steering assistance level adjustment, Left seat backrest lock, Learn backrest end stop, Left backrest adjustment motor, Teach force limitation, Right backrest adjustment motor, Right seat backrest lock, LEDs, ESP steering wheel angle sensor adaptation

## New Mercedes Coverage

### 147 new Adjustment type special tests:

Activate Showroom Mode, Activate/Deactivate Roller Dynamometer Mode, Adapt/Matching After ECU Replacement, Adaptation Of Component 'Torque Converter Lockup Clutch', Adaptation Procedure For Torque Converter Lockup Clutch, Adaptation Via Engine Coolant Temperature, Adaptation Via Torque Ranges, Adaptation/ Matching After Control Unit Replacement, Adapting Of Control Motors, Adblue Circuit System Bleeding, Adblue Circuit System Drainage, Adblue Pump Initialization, Adblue Tank Level Sensor Calibration, Adjustment Lag Time Audio Output, Anti-Pinch Protection Teach-in Process, Assignment Of Hydraulic Shift Elements, Assyst Plus Reinitialization, Automatic Setting Air Damper Control Motors, Axle Sensor Zero Point Programming, Basic Setting, Breaking-In Of Refrigerant Compressor, Calibrate Control Unit ISM for Direct Select Module, Calibrate ECU (Intelligent Servo Module / DIRECT SELECT), Calibration Of Acceleration Sensor, Calibration Of Component 'Electric Parking Brake', Calibration Of Component ESP Control Valves, Calibration Of Steering Angle Sensor, Calibration Of Touch-Sensitive Surface, Calibration Touchpad, Confirmation Of Battery Change, Confirmation Of General Maintenance, Control Module Reset, Control Unit Calibration, Control unit re-start, Control Unit Run-On Time Adjustment, Current Menu Settings, Customer Request, Date And Time, Deactivate Transportation Mode, Deactivation of Production Mode, Definition, Display And Reset Adaptation Values, DVC/DEC Microphone Calibration, ECU Reset, Electronic Stability Program Calibration At Standstill, Enrich In Case Of Poor Fuel Quality, Enriching The Fuel-Air Mixture By 10%, Enriching The Fuel-Air Mixture By 23%, Entry Of Manufacture Date Of Headlamp, Fan Initiate/Stop, Front Control Motor Basic Settings, Fuel Adaption, Head Restraint Adjustment, Headlamp Range Adjustment, Headlight Binning (Replacement), Help, High Voltage Component Lock Engagement, High-Voltage Component Lock Disengagement, Important Information On Adaptation Limit Values, Increase Idle Speed With Range Engaged, Increase Idling Speed, Initial Startup, Initial Test/ Oil Condition Check/ Oil Level Check, Injector Quantity Adjustment, Level Calibration, Move To Calibrated Vehicle Level, Normalization of actuator motors, Normalization Of Power Window, Normalization Of Steering Column, Normalization, Octane number adjustment 89 RON, Octane number adjustment 91 RON, Octane number adjustment 93 RON, Octane number adjustment 95 RON, Oil Grade Factor, Operating Hrs Ctr Reset-Parking, Standing, Daytime Running Lights, Pairing Audio/Comand MBRACE (Internet Connection), Parking Brake Adaption, Perform Calibration, Performing Adaptation Of Transmission Control, Program Remote Control, Radio Presets AM, Radio Presets FM, Read Adjust Value, Reduce Idling Speed With Range Engaged, Reduce Idling Speed, Refrigerant Compressor Run-In, Reinitialize the Active Service System (ASSYST), Reset Adaptation Parameters, Reset Adaptation Values Converter Clutch, Reset Adaptation Values for Shift Operation, Reset Adaption To Factory Setting, Reset Auxiliary Heater Start Inhibit, Reset Circuit Adaptation Values, Reset Compressor Actuation History, Reset Control Unit, Reset Frequency Counter, Reset Idle Speed in Gear, Reset Idling Speed To Factory Setting, Reset

Learned Values, Reset Mistaken General Maintenance, Reset Of Compressor Operating Time, Reset Of Function 'Ring memory', Reset Operated Hour Counter Headlamp, Reset Operating Hours of Front Headlight, Reset reverse gear adaptations, Reset Tire Control Indicator (TCI), Reset Transmission Adaption Values, Reset Vacuum Pump Actuation Counter, Resetting Learned Values 'Deceleration Mode', Resetting Of Assignment Of Control Unit To Vehicle Side, Resetting The Service Life Data Of Automatic Transmission, Resetting The Service Life Data Of Torque Converter, Restore Calibration, SDR Clear History Get Position Start, Selector Sensor Learning, Sensor Unit Zero Position Compensation, Service Interval Display Reset, Service Interval Reset Faulty, Service Requirement, Soft ECU Reset, Solenoid Valve Calibration, Special Function VIN, Special Settings, Start Control Unit Reset, Steering Angle Initialization, Suspension Level Calibration, Swivel-Type Trailer Coupling Initialization, Teach-in After Replacement Of 'AdBlue® Metering Valve', Teach-In Of Actuator Motors After Actuator Motor Replacement, Teach-In Of Actuator Motors, Teach-in Of Drive Authorization System, Teach-in of Position Sensor of Park Pawl, Teach-in Of Selection Range Sensor, Throttle Valve Adaption, Tire Pressure Sensor Adaption, Transfer Of Manufacturer Default Settings, Transmit VIN To Control Module 'Mbrace', Trunk Lid/Liftgate Control Unit, Turnoff The Solenoid Valve Of Torque Converter Lockup Clutch, Upshifts, Valve Flushing, Variant Coding Reset, Warranty Or Goodwill Processing, Workshop Code, Write Adjust Value, Write Tire Pressure Sensor Id's

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

1st Seat Row/Trunk Refrigerator Box And Power Outlet Relay, 2nd Seat Row Cup Holder And Power Outlet Relay, A/C Water Valve, Activate 1-2 and 4-5 Shift Solenoid Valves, Activate 2-3 Shift Solenoid Valve, Activate 3-4 Shift Solenoid Valve, Activate Component Modulating Pressure Control Solenoid Valve, Activate Component Shift Pressure Control Solenoid Valve, Activate Component Torque Converter Lockup PWM Solenoid Valve, Activate Roller Dynamometer Mode, Activate The Demo Mode Of Exterior Lighting, Active Curve Lighting With Steering Angle, Active Curve Lighting, Actuation of Actuator Motor In Position P,R,N And D, Actuation Of Fan, Actuation Of Fuel Pump, Actuation Of Function Illumination, Actuation of Individual Speakers, Actuation of Output - Terminal 15, Actuation Of Speakers, Actuator Control, Actuator Motor Position, Adblue Circuit Leak Test, AdBlue Delivery Module Heating Element, AdBlue Delivery Pump, AdBlue Metering Valve, AdBlue Pressure Line Heating Element, Adblue Pressure Pipe Heating Test, AdBlue Reversing Valve, AdBlue Tank Heating Element, Adblue Tank Heating Test, Air Conditioner Performance Test, Air Cushion Actuation In Left Seat Side Bolster, Air Cushion Actuation In Lower Lumbar Support, Air Cushion Actuation In Middle Lumbar Support, Air Cushion Actuation In Right Seat Side Bolster, Air Cushion Actuation In Shoulder Area, Air Cushion Actuation In Upper Lumbar Support, Airmatic Pressure Relief Valve, Airmatic Relay, All Speaker Tests, Ambient Lighting And Warning Lamp, Ambient Lighting in Cab and Center Console, Ambient Lighting In Cockpit And Center Console, Ambient Lighting In Cockpit, Ambient Lighting In Footwell, Ambient Lighting of the Rear Doors, Ambient Lighting Rear, Antenna Measuring Drive, Antenna Test, Audio system self test, Automatic Low Beam Test, AUX Jack, Backrest Inclination Adjustment Test, Backup Camera, Blind Spot Assist (BSA) Warning Lamp, Blind Spot Assist, Blower Regulator / Blower Motor, BPC Pressure Transducer, Brake Lamp, Brightness, Button Lighting of MFL (Multifunction Steering Wheel), Button Lighting, Buzzer/Chime, Camera Cover Control Module : Self-Test, Camera Cover Control Module, Center Brake Lamp, Center Instrument Panel Speaker, Center Rear Passenger Compartment Head Restraint Adj Motor, Center Vent Flap Positioning Motor, Central Instrument Panel Speaker, Central Locking Front Control, Central Locking, Change in Oil Grade Factor, Charge Spring Accumulator, Charging Of Suspension Fluid Reservoir, Check Signal Line To Component "Audio Or COMAND", Check The CD/DVD Insert And Eject, Child Safety LED, Clear Alarm Sources, Clear Customer specific data, Closing Of Torque Converter Lockup Clutch, Color Display, ~~Combustion Engine And A/C With Integrated Control Fan Motor, Combustion Engine And~~

AC With Integrated Control Fan Motor, Compressed Air Valve Draining, Coolant Circulation Pump, Cooling Fan Motor, Current time, Current Values - Service Information, Current Values, Service Information, Daytime Running Lamps, Deep Discharge Protection, Defogger Control, Defroster Flap Actuator Motor, Defroster/Footwell/Center Air Vent Flap Actuator Motor, Delete Control Unit Type, Denormalizing Power Window, Determination Of Number Of Receivable Radio Transmitters, Determination of receivable FM radio stations, Display Lighting, Display Of Adaptation Values, Display Of Coding Data, Display Of CVN, Display of Model Check Number, Display Of SCN, Display Pattern, Display Test, Display, Display: Service, Door Ambient Lighting, Door Handle Lighting for Rear Doors, Door handle lighting for the left rear door, Door Handle Lighting, Drive Position Selection, Driver Seat Backrest Inclination Adjustment Motor, Driver Seat Cushion Length Adjustment Motor, Driver Seat Forward/Backward Adjustment Motor, Driver Seat Head Restraint Adjustment Motor, Driver Seat Height Adjustment Motor, Driver Seat Inclination Adjustment Motor, Driver Side Air Vent Ionizer, Dynamometer Mode ON/OFF, Eject Button, Electrical Self Test of microphones, Electronic Blower Regulator, Empty Fuel Tank, Enable Left Front Seat Heater, Enable Right Front Seat Heater, Engine Compartment Fuse And Relay Module, Engine Compartment Terminal 15 Relay, Engine Coolant Circulation Pump Test, Engine Fuse And Relay Module, Engine Oil Pump Valve, Exit And Warning Lamp, Exterior Door Handle Light, Exterior Mirror Adjustment, External Fan, External Feed And Supply Voltage, Fan Motor, Fan Self Test, Fan Test, Fan Tests, Fanfare Horns, FBS Status Start, FBS Status, FBS3 Activation, FBS3 Deactivate Transport Protection, FBS3 Personalization, FBS4 Data00 Request Results, FBS4 Data01 Request Results, Fill Suspension Strut - Left Front, Fill Suspension Strut - Left Rear, Fill Suspension Strut - Right Front, Fill Suspension Strut - Right Rear, Folding Exterior Mirrors, Folding In/Out of Exterior Mirrors, Footwell Lamps, Footwell Lighting, Fresh Air/Ram Air/Recirculated Air Flap Actuator Motor, Fresh Air/Recirculated Air Flap Actuator Motor, Front Door Ambient Lighting, Front Fog Lamp, Front Passenger Seat Adjustment LED, Front Power Window, Front Roller Sun Blind, Fuel Pump, Function Test of Transfer Case, Functional Lighting, Hands Free System Microphone, Heating System Shutoff Valve, High Pressure And Return Flow Pump, HU Runout Time, HV battery cell evaluation, Illuminated Door Sill Moldings, Indicator Lamps, Injectors Leak Test, Instrument Cluster Speaker, Instrument Lighting, Intelligent Light Spread, Interior Door Handle Light, Interior Fuse Box, Interior Lamps, Internal Fan, Keyless Go (KG) Key Search, Keyless Go (KG) System Test, LED Exterior Lights, LED of Switch "Child Safety Lock", LED of Switch "Left Seat Heater", LED of Switch "Mirror Selection", LED of Switch "Right Front Seat Heater", LED Switches "Left or Right Seat Adjustment", LEDs, Left A - Pillar Air Distribution Actuator Motor, Left B - Pillar Air Distribution Actuator Motor, Left Blend Air Flap Actuator Motor, Left Bypass Air Switchover Valve, Left Center Air Vent Flap Actuator Motor, Left Defroster Flap Actuator Motor, Left Exterior Mirror Ambient Lighting, Left Exterior Mirror Turn Lamp, Left Footwell Flap Actuator Motor, Left Footwell Woofer, Left Front Axle Damping Valve Unit, Left Front Headlamp, Left Front NR Valve, Left Front Reversible Emergency Tensioning Retractor, Left Front Seat Heater, Left Front Speaker Group, Left Front Tire Pressure Sensor, Left Fuse And Relay Module, Left Purge Switchover Valve, Left Quantity Control Valve, Left Rear Axle Damping Valve Unit, Left Rear Center Air Outlet Actuator Motor, Left Rear Door Lighting Switch, Left Rear Interior Lamp Unit, Left Rear Lamp Unit, Left Rear NR Valve, Left Rear Power Window, Left Rear Pressure Regulating Valve Pressure Release, Left Rear Speaker Group, Left Rear Surround Sound System Midrange Speaker, Left Rear Tire Pressure Sensor, Left Side Air Vent Flap Actuator Motor, Left Tail Lamp, Left Throttle Valve Actuator, Left Trunk Lid/Liftgate Ambient Lamp And Warning Lamp, Left Turn Signal, LF Power Window, License Plate Lamps, Liftgate Central Locking Motor, Lighting Control, Lighting Display Test, Lighting Of Component Direct Select Shift Lever, Lighting Of Component Trunk Lid Emergency Opening Switch, Lighting Of Component 'Trunk Lid/Liftgate Control Button', Low Temperature Circuit Circulation Pump 1, Low Temperature Circuit Circulation Pump 2, Low Temperature Circuit Switchover Valve, Lower Left Blend Air Flap Actuator Motor,



Lower Right Blend Air Flap Actuator Motor, LR Power Window, Map Version Update Matrix, Memory Function, Microphone Array Selftest, Microphone Selftest, Microphone Self-Test, Mirror Dimming, Mirror Glass, Mirror Heater, Mirror Lamps Of Sun Visors, Mirror Select LED, Motor Test, Multi Contour Seat Pneumatic Pump, Multifunction Display, Muting, Navigation Module, No-Load Current Shot-Off Relay, No-Load Current Shut-Off Relay, Oil Change Data, Oil Level Check, Optical Leak Test, Panoramic Sliding Sunroof, Park Distance Control Gong, Park Distance Control, Perfume Atomizer Generator, Picture Display Test, Pointer Tests, Pointer, Positive Temperature Coefficient (PTC) Heater Booster, Preinstalled NAVI Markets Request Results, Ram Air Flap Actuator Motor, Read actual electric fuel pump, Read Key Data, Read Service Needs, Reading Lamps, Rear Actuator Motor Blend Air Flap With Shutoff Function, Rear Air Distribution Flap Actuator Motor, Rear Camera Cover Motor, Rear Doors, Rear Fog Lamp, Rear Fuse Box, Rear Parking System Warning Indicator, Rear Power Window, Rear Roller Sun Blind, Rear Seat Center Head Restraint Height Adjustment Switch, Rear Seats, Rear Side Marker Lamps, Rear Turn Signal Lamp, Rear Window Heater Relay, Rear Window Roller Sun Blind Motor, Rear Window Wiper, Recalculation ASSYST PLUS, Reception Measurement, Refrigerant Compressor Magnetic Clutch, Refrigerant Compressor, Release Pressure In Suspension Strut - Left Front, Release Pressure In Suspension Strut - Left Rear, Release Pressure In Suspension Strut - Right Front, Release Pressure In Suspension Strut - Right Rear, Reserve Relay, Restart The MOST Ring, Result Of Self-Test, Reverse Lamps, Reversing Lamp, RF Power Window, Right A - Pillar Air Distribution Actuator Motor, Right B - Pillar Air Distribution Actuator Motor, Right Blend Air Flap Actuator Motor, Right Bypass Air Switchover Valve, Right Center Air Vent Flap Actuator Motor, Right Defroster Flap Actuator Motor, Right Exterior Mirror Turn Lamp, Right Footwell Flap Actuator Motor, Right Footwell Woofer, Right Front Axle Damping Valve Unit, Right Front Headlamp, Right Front NR Valve, Right Front Reversible Emergency Tensioning Retractor, Right Front Seat Heater, Right Front Speaker Group, Right Front Tire Pressure Sensor, Right Interior Rear Lamp Unit, Right Purge Switchover Valve, Right Quantity Control Valve, Right Rear Axle Damping Valve Unit, Right Rear Lamp Unit, Right Rear NR Valve, Right Rear Power Window, Right Rear Speaker Group, Right Rear Surround Sound System Midrange Speaker, Right Rear Tire Pressure Sensor, Right Side Air Vent Flap Actuator Motor, Right Tail Lamp, Right Throttle Valve Actuator, Right Turn Signal, Rotation Direction Of Component A40/9s11 (Audio/COMAND Ctrl), Routine Result Pending, Sample Display, Search Lighting, Seat Backrest Inclination Adjustment Motor, Seat Cushion Inclination Adjustment Motor, Seat Cushion Length Adjustment Motor, Seat Forward/Backward Adjustment Motor, Seat Forward/Backward Adjustment, Seat Head Restraint Adjustment Motor, Seat Head Restraint Height Adjustment Motor, Seat Head Restraint Inclination Adjustment Motor, Seat Height Adjustment Motor, Seat Height Adjustment Test, Seat Height Adjustment, Seat Inclination Adjustment Motor, Seat Inclination Adjustment, Segments On Speedometer, Self Test, Selftest, Set Factory Defaults, Set Function Mode: Control, Set Function Mode: Installation, Set Function Mode: Normal, Set Function Mode: Roll, Setting Mirror Glass, Shift Lever Switch Position, Shift Transmission to N, Side Marker Lamps, Signal Level, Signal Quality, Smooth running evaluation, Software version, Solenoid Test, Solenoid Valve Test for All Control Valves and Shift Valves, Spray Nozzle Heating And Spray Nozzle Hose Heater, Spray Nozzle Hose Heater, Static Test, Steering Column Adjustment, Steering Column In/Out Adjustment Motor, Steering Column Up/Down Adjustment Motor, Steering Wheel Heater Indicator Lamp, Steering wheel heater, Steering Wheel Vibration Motor, Steering Wheel Vibration Test, Switch and Control Lamps - Trunk Lid Emergency Opening Switch, Switch And Controls Illumination, Switch and Controls lamp, Switch and Controls Lighting Switches, Switch Lighting, Switch Off Incline Recognition For Dynamometer Mode, Switch On Display, Switch To Normal Mode, Symbol Illumination: Control, Symbol Lamp (Audio/Comand Control Panel), Symbol Lamp, System Clutch Self Test, System Self-Test, Tail Lamp/ Brake Lamp, Tail Lamps, Tailgate Control Button Light, Tank Cap Central Locking (CL/ZV) Actuator, Terminal 15R Relay, Terminal 30G Relay, Terminal 87 Status, Test

CD/DVD ejection, Test CD/DVD Feed, Test Picture Display COMAND Online, Test Picture Display, Test slot for memory card, Test USB interface, Transport Mode, Trunk Lamps, Trunk Lid Control Drive Unit, Trunk Lid Lock Motor, Trunk Lid Or Liftgate, Trunk Lid/ Liftgate Control Electric Motor, Trunk Lid/ Liftgate Control Warning Buzzer, Turn Signal Lamp, Upper And Lower Audio/COMAND Display Ambient Lighting, Upper Left Blend Air Flap Actuator Motor, Upper Right Blend Air Flap Actuator Motor, Vehicle Interior Terminal 15 Relay, Wake-Up Wire, Warning Message, Windscreen Washer Pump, Windscreen Wiper, Windshield Washer System Pump, Wiper Blade Heater, Wiper Park Position Heater Relay, Wiring Test Of The Radio Antennas

## New Porsche Coverage

- Added coverage for 36 new system applications

### 48 new Actuation type special tests:

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

## New Volkswagen Coverage

- Added coverage for 89 new system applications

### 1123 new special tests:

A/C compressor, AdBlue circuit leak test, Adjust mirror inward, Adjust mirror upward, Airbag crash signal Rest of World, Airbag: Cancel access authorisation for protected functions (SDA), Ancillary coolant pump, Audio reduction adjustment, Autom. transm. adaptation values adapt., Average consumption display correction, Belt comfort fit actuator, Bi-xenon screen, Black test pattern, Bleed cooling system, CD/DVD ejection, Central locking system: close, Central locking system: open, Close load compartment cover, Closed circuit relay, Combustion chamber pressure sensors: Resetting, Control unit: Request access authorisation, Coolant pump, Coolant thermostat: Adapting, Daytime driving light, Deactivate gateway ctrl. unit transport mode, Diesel particulate filter: Resetting, Driving program switch, Electric automatic transmission oil pump: Test, Emission warning lamp (MIL), Engine component relay, Engine noise generation actuator 1, Evaporative emission shutoff valve, Exhaust flap, Exhaust gas recirculation flap adaptation, Exhaust gas recirculation valve basic setting, Fan actuation, Flame sensor of supplementary/auxiliary heater, Front-passenger airbag indicator lamp (OFF), Fuel high-pressure system reset, Fuel quantity control valve, Fuel tank breather valve: Actuation, Glow plug warning lamp, Green test

pattern, Headlamp position vertical centre, In-cylinder flow flap 1 basic setting, Injection valve, cylinder 1, Injector encoding, Instr. cluster all displays off, Intake-manifold/in-cylinder flow flap, Interval display service: Resetting, Kerb parking distance adjustment, LED headlamp fan motor 1: Actuation, Load compartment cover basic setting, Loudspeaker test, Mechanical system display unit 1, AC/heating funct. via rem.control, Activate system, Activation tone adjustment, Actuator test, Additional heater glow plug: Reset adaptation values, Adjust mirror downward, Adjust mirror outward, Airbag control unit: Reset counter (roll-over protection triggerings), Analog clock, Auxiliary coolant pump LT circuit, Basic setting, exhaust-gas recirculation, Basic setting: clutch engagement point, Brake light, CAN data bus: Write configuration, CAT conversion rate (bank 1), CAT conversion rate (Bank 2), Control lamps, Control unit output terminal 30, Cooling system: Filling, Diesel particulate filter regeneration run, Diesel particulate filter: Write configuration, Dipped beam actuation, Display 2, EGR bypass solenoid valve, Electric coolant pump 2, Electric fuel pre-supply pump, Electric fuel pump control basic setting, Electric machine bypass valve, Emergency call system: Loudspeakers, Enable control unit, Engine temperature management basic setting, Evaporative emission control regenerat. valve, Exhaust flap actuator, Exhaust flap adaption, Exhaust flap Bank 2, Exhaust gas turbocharger bypass valve, Exhaust supercharger air circulation valve, Extend trailer coupling, Exterior mirror heating, Fan Control, Front acoustic signal volume, Front right bass loudspeaker, Gateway: Check no-load current, Gong, Gradual rear lid closing, Headlamp fan actuation, HV batt.charger connector locking, In-cylinder flow flap, Injection valve group 2 cyl. 2, Injection valve group 2 cyl. 3, Injection valve, cylinder 3, Injector zero quantity calibration reset, Inlet camshaft control solenoid valve, Inlet camshaft timing control (bank 1), Intake manifold flap, LED channel 3 actuation, ACC button LED, Adaptation of idle speed, AdBlue circuit: Pressure reduction, AdBlue pump/pipe heating, Additional heater heating element 2, Additional indicator lamp panel, All actuators, Alternator test 10.6 V, Aux.coolant pump high-temp. circ., Aux.coolant pump low-temp.circuit, Auxiliary/supplementary heating: Test, Boost pressure control adaptation, Camshaft timing control (bank 2) (Inlet camshaft (bank 2)), Close clutch, Close sun blind, Compression test, Control lamp (Parking assistant), Control unit run-on time adjustment, Coolant circuit switching valve, Coolant pump switching valve, Cooling system: Filling and bleeding, Country version encoding, Driver side door light actuation, EGR control motor 2, Electric fuel pump, Exhaust camshaft control solenoid valve, Exhaust gas recirculation valve adaptation, Exhaust-gas turbocharger control unit 1, Fault display, Flame monitor/glow element unit, Flexible service interval configuration, Fresh-air blower, Front central locking Lock, Fuel evaporation regeneration valve, Fuel low-pressure sensor: Resetting, Fuel pressure control valve, Gateway: Configure pause recommendation, Headlamp position vertical bottom, Headlamp position vertical top, Injector adaptation, LED channel 1 actuation, LED headlamp: Design light, LED headlamps: High-side channel 1, LED headlamps: High-side channel 3, Left trailer side light lamp, Main beam, Multi-function steering wheel: Lighting, Open sun blind, Passenger door handle sensor, Programming, trailer coupling, PS window-lifter motor: Close, Rear central locking SAFE, Rear lid basic setting, Rear right door handle sensor, Relay for prefeed pump, Right trailer turn signal indicator, Activate gateway control unit transport mode, Activate/deactivate start/stop function, Active accelerator pedal activation, Actuation of all components <Radiator fans>, Alternator test 15.0 V, Analog signal muting, Average computation of the function <Fuel consumption>: correction, Basic setting, charge air flow flap, Brake booster solenoid valve, Camshaft timing control (B1), inlet, Clean clutch, Coolant circulation pump, Coolant shutoff valve, Corner lamps, Crash signal, Drive program, Driver's side exterior antenna, Dynamic light assist: Light function actuation, EGR low-pressure diff. press. sensor: Adapting, EGR positioner, Exh. gas turbocharger control motor adap., Front acoustic signal frequency, Front central locking SAFE, Front-passenger airbag indicator lamp, Fuel preheating, Glow control unit 1, Gradual rear lid opening, Ignition key removal lock, Ignition lock: Check locking, Injection valve group 2 cyl. 4, Injection valve, cylinder 4, Lambda sensor ageing (B2, S2) function. test, LED headlamp fan motor

2: Actuation, LED headlamps: High-side channel 4, Left stat.crng.light act. 100%, Left turn signal indicator, Loudspeaker (Rear parking assistant), Luggage compartment cover adaptation, Lumbar support height adjustment, Maximum vehicle speed, Microphone sensitivity adjustment, Mirror adjustment To right, Noise reduction, Parking steering assistant control lamp, Pause display, PS window-lifter motor: Opening, Radiator blind basic setting, Radiator fan, Radiator-fan relay 1, Read configuration, Read injector code, Read injector codes, Rear central locking Lock, Rear central locking Unlock, Rear lid exterior antenna, Rear lid power latching system, A/C compressor: Actuation, Activate rem.cont.sign.warng.tone, AdBlue dosing valve, Additional heater heating element 1, Additional main beam, Analogue display test, Audio signal delay adjustment, Aux Pump, Auxiliary coolant pump HT circuit, Backrest adjustment, Battery (12V): Checking of components <Battery cells>, Battery adaptation, Bleed fuel system, Bleed system/AdBlue circuit leak test, Blue test pattern, Boost pressure actuator, Boost pressure actuator: Adapting, Brake booster vacuum pump, Braking mode, Child safety lock, Control unit access authorisation: Check locking at system level, Coolant pump 2, Coolant switching valve 2, Crash signal/all belt tensioners, Cruise control operating unit: activation, Display 1, Double clutch transmission control unit.: Adapting, Drain fuel system, DS window-lifter motor: Close, DS window-lifter motor: Opening, EGR control unit low pressure: Adapting, Emergency call system: Functional test, Enable / disable. Oil pressure for engine run, Engine temp. regulation actuator, Exh.gas turbocharger solen.air rec.valve, Exhaust turbocharger cntrl. valve, Front door light, Front left treble loudspeaker, Front window lifter: Lower, Fuel pressure reduction, Fuel tank shutoff valve, Gasoline particulate filter: Resetting, Gasoline particulate filter: Write configuration, Gateway control unit reset, Head restraint adjustm. to front, In-cylinder flow flap 2 basic setting, Injection valve group 2 cyl. 1, Injection valve, cylinder 2, Injectors: Test, Intake manifold switchover, Lambda sensor ageing bank 1, sensor 2, LED headlamp fan motor 4: Actuation, LED headlamp: Channel 4 actuation, LED headlamps: High-side channel 2, LED wiper switch, Acoustic test signal, Activate component protection, Activated charcoal filter<BR>shutoff valve, Actuator/structure-borne noise, Adaptation of service-interval display, AdBlue 4-/2-way valve, AdBlue tank level reset, Blinker, Bluetooth connection profile adjustment, Boost pressure limit. sol.valve 2, Camshaft timing control (B2), inlet, Compressor control flap, Compressor magnetic clutch basic setting, Control engine sound system A, Control unit box fan motor, Coolant bypass valve, Cruise control indicator lamp, EGR solenoid valve, Engine control unit: Activate/deactivate increased engine oil pressure for engine break-in, Engine: Reset (engine start inhibit due to lack of operating fluid <Urea solution (AdBlue)>), Exhaust gas recirculation cooler: Electric coolant pump, Exhaust gas turbocharger reset, Fixed service interval adjustment, Flexible service interval adjustment, Front central locking Unlock, Front left bass loudspeaker, Front left mid-range loudspeaker, Front right mid-range loudspeaker, Front right treble loudspeaker, Front window lifter: Lift, Fuel pump adaptation, Function kink angle sensor, Function light 1, Gong control, Head restraint adjustment, Headlight range control, Intake air switching valve, Lambda sensor ageing (B2, S1) function. test, Lambda sensor ageing bank 1, sensor 1, Lift sunroof, Metered quantity measurement/large quantity, Mirror adjustment To left, Move gear positioner to removal position, Muting: CAN signal, Neutral position sensor: Adapting, Outlet camshaft timing control (bank 1), Park distance control: Activate, Parking light, Passengerâ€™s side exterior antenna, Radiator blind adaptation, Rear dr.side PW: Open signal, Rear indicator lamp, Rear left door handle sensor, Rear lid: Close, Activate/deactiv. pass.compartm.suppl.heater, Activation: Actuator test, AdBlue circuit system drainage, AdBlue dosing valve: Test, AdBlue metered quantity measurement, Addit. cooling medium pump relay, Air intake system: Test, Air mass meter reset, Airbag control unit: Roll-over protection test, Airbag crash signal US version, Airbag indicator light OFF, Alternator: Functional test, Anti-theft device, Auxiliary/supplementary heating: Metered quantity measurement (fuel), Basic setting, Basic setting kickdown, Camshaft-position sensor: Adapting, Combustion air blower, Compressor control flap basic setting, Daytime driving light actuation, Diesel particulate filter regeneration: Static, Display



illumination, Display: Test, DPF regeneration whilst driving, Dynamic cornering light, EGR control valve, EGR cooling bypass valve, Electric fuel pump control unit, Electric fuel pump relay, Emergency call system: Manual emergency call, Emergency call system: Resetting after replacement of the component <Emergency battery (low voltage)>, Engine management adaptation values reset, Error text output, Exh. gas treatment SCR heating 2, Exhaust flap 2, Exhaust gas recirc. positioner 1, Exhaust gas recircul. solenoid valve 2, Exhaust gas recirculation control unit: Cleaning test, Exhaust gas treatment SCR heating, Extend mirror, Fault lamp, Front interior antenna, Fuel metering pump, Function light 2, Gas tank 1 stop valve, Gasoline particulate filter regeneration: Static, Glow plug system, HV batt.charging func. rem.ctrl., Injector reset, Lambda sensor reset, Learning of info on control units fitted, LED headlamp fan motor 3: Actuation, Left outer brake light, Microph. signal via audio output, Mirror heating, Activate/deactivate cruise control, AdBlue injected quantity test, AdBlue tank heating, Automatic transmission oil level check, Auxiliary/supplementary heating: Fill and bleed the component <Fuel supply pipe>, Bluetooth connection last device, Boost pressure actuator basic adjustment, Break recommendation, Camshaft drive timing chain: Reset adaptation values, Central locking: Remote control, Check link with server, Circulating pump, Coolant pump, charge-air cooler, Cooling system: Bleeding, Crankshaft trigger wheel: Adapting, CU output terminal 30 controlled, Cylinder pressure sensors adaptation reset, Diesel particulate filter adaption, Drain fuel tank, Driver door handle sensor, DS belt buckle illumination, Dynamic flashing, EGR cooling switching valve, Electric coolant pump, Electric fuel pump adaptation, Electronic loudspeaker test, Engine control unit: Cancel access authorisation for protected functions (SDA), Engine control unit: Reset self-ignition counter, Engine mounting control, Fixed service interval configuration, Footrest adjustment, Front parking assist. loudspeaker, Fuel pressure regulation, Fuel tank breather valve, Gateway: Cancel access authorisation for protected functions (SDA), Generate readiness code, High-side channel actuation, Instrument cluster control unit: Cancel access authorisation for protected functions (SDA), LED channel 2 actuation, Left trailer turn signal indicator, LP-EGR diff. press. sens. home setting, Luggage compartment interior antenna, Menu-driven configuration, Metered quantity measurement/small quantity, Mirror fold-in/fold-out, Move gear positioner to neutral position, Neutral position sensor adapting, Oil pressure regulation switching test, Open clutch, Open load compartment cover, Particulate filter regeneration, Piston cooling jet actuation, Online service transmiss. config., Parking aid deactivation speed, Parking steering assistant cut-in speed adj., Passenger compartment lighting, PS belt buckle illumination, Radiator fan motor 1, Radiator-fan relay 2, Rear acoustic signal volume, Rear centre belt catch light, Rear interior antenna, Rear side light, Red test pattern, Reset control unit, Reset fuel pressure adaptation, Resetting of service-interval display, Right trailer side light lamp, SCR catalytic converter: Test, Seat depth adjustment, Seat fore-and-aft adjustment, Segment test, Start/stop function: Activate/deactivate temporarily, System remote control, Test image cyan, Test image magenta, Trailer reversing light, Turbocharger recirc.-air valve, Warning Message, Secondary-air relay, Solenoid valve, exhaust flap 1, Stationary DPF regeneration, Steering wheel paddle adjustment, Sun shade adaptation, Supplem. heating pump actuation, Swirl flap basic setting, Throttle valve adaptation, Throttle valve control unit adaptation, Transmission adaptation basic setting 3, Transmission oil pressure accumulator: Pressure reduction, Turbocharger 1, LP - exhaust gas recirculation basic setting, Main relay, Media play volume adjustment, Muting, Natural gas pressure reduction, Neutral position sensor adaptation, Operating unit button illuminat., Particulate filter fault lamp, Quantity comparison, Radiator blind 2: Actuation, Radiator fan: Actuation, Radiator fan: Actuation 2, Rear fog light, Rear left belt catch lighting, Reset all adaptation values, Retract trailer coupling, Safety/gateway control unit: Enable communication, Secondary-air valve, Set AdBlue tank level to "full", Side marker light, Tank leakage diagnosis check valve, Trailer rear fog light, Transmission control: Reset configuration, Turn signal lamps, Vehicle width adjustment, Visual display adjustment, Wheel circumference adjustment, White test pattern, Rear pass.side PW: Closing signal, Rear pass.side

PW: Open signal, Rear right bass loudspeaker, Rear window lifter: Lift, Rear window lifter: Lower, Reference channel delay adjustment, Refrigerant compressor magnetic coupling, Regeneration auxiliary air fan, Relay for high heating output, Reset adaption value, Reset AdBlue system data, Reset after replacement crankshaft ring gear, Reset injector adaptation values, Retract mirror, Start/stop button simulation, Steering wheel heating, Supplementary heater: Encoding, Supplementary heater: Reset adaptation values, Switchable water pump, Tank leakage pump, Telephone op. unit button illum., Test AdBlue metering valve spray pattern, Test sound, Trailer side light, Transfer configuration, Transfer transmission ECU configuration, Transmission oil level test, Turbocharger bypass solenoid valve, Unlock trailer coupling, Valve for engine mounting 1, Vehicle electrical system control unit: Diagnosis of the system <Onboard electrical system (48V)>, Vehicle length adjustment, Vertical headlamp servomotor, Voice output basic volume adjustment, Volume distribut. remote control, Warning tone generator, Left trailer stop lamp, Lumbar support longit. adjustment, Microphone test, New DPF, reset adaptation values, No-load current test, Oil pressure regulating valve, Oxidation catalytic converter: Resetting, Particulate filter indicator lamp, Power supply, Radiator fan: Actuation 1, Rear acoustic signal frequency, Rear door light, Rear left bass loudspeaker, Rear left treble loudspeaker, Rear right belt catch lighting, Rear right mid-range loudspeaker, Relay for low heating output, Remote control vehicle locking, Reset adaption to factory setting, Reset air mass meter adaptation values, Seat height adjustment, front, Selector lever lock, Side light, Sun roof: Opening, Supplementary heater: Test, Tank leak unit solenoid valve, Telephone basic volume adjustment, Test image yellow, Throttle valve, Throttle valve control motor, Trailer indicator lamp, Transmission gear actuator solenoids: Neutral position, Valve for engine mounting 2, Volume remote control, Write injector codes, Radiator blind, Reversible crash deactivation, SCR heating 3 actuation, Side marker lamps, Supplementary heater: Configuring, Throttle valve basic setting, AC/heat output test, Activate TV stand.country setting, Adjustment: Automatic dipped beam, Adjustment: Conv. top convenience actuation, Adjustment: Headlight washer system, Adjustment: Locking whilst driving, Air conditioner control motors: Adapting, Air flow flap control motor, Air quality sensor: Configuring, Rear lid: Opening, Refrigerant compressor relay, Reset DPF differential press. sensor adapt., Reset rail pressure control valve, Reset start inhibit due to lack of AdBlue, Reset start/stop counter, Self-test, Supplementary heater circulating pump: Reset adaptation values, Supplementary heater: Adapting, Tank leakage diagnosis solen. valve, Torque converter lock-up clutch, Trailer brake lights, Trailer warning light 2, Transmission adaptation basic setting 2, Transmission coolant valve, Transmission oil pressure accumulator: Pressure build-up, Valve for boost pressure control, Vehicle conditioning, Multi-contour seat compressor, Mute entertainment, Particle filter reg. auxiliary air valve, Radiator blind actuation, Rear dr.side PW: Closing signal, Rear lid adaptation, Reset adaptation parameters, Reset Lambda sensor adaptation values, Reset particulate filter adaption values, Reset turbocharger adaption values, Reversing lamps, SCR system reset, Search illumination, Secondary air solen. valve, Start valid authentication, Sun roof adaptation, Supplementary heater: Adaptation of the component <remote control unit>, Supplementary heater: Reset starter interlock, System functional test, Tank leakage diagnosis pump, Tank shut-off valve, Terminal 58t dimming, Test announcement, Test screen, Throttle valve control unit, Throttle valve control unit reset, Top speed configuration, Trailer brake actuation output, Transfer vehicle configuration, Transmission control: Perform adaptation drive, Transmission oil cooler bypass valve, Transmission rapid adaption, Turbocharger basic setting, Piston cooling nozzle solenoid valve, Radiator blind: Actuation, Rear exhaust gas flap, Rear left mid-range loudspeaker, Rear right treble loudspeaker, Reset timing chain adaption values, Right outer brake light, Right trailer stop lamp, Right turn signal indicator, Seat angle adjustment, Secondary air pump relay, Static cornering light, Sun roof: Close, Trailer brake control, Trailer socket power supply<BR>Pin 10, Trailer socket power supply<BR>Pin 9, Transfer engine control unit config., Transmission adaptation basic setting 1, Transmission setting adaption, Triggering of thermostat, Wake-up signal, Write configuration, Write gateway control unit

configuration, Ambient lighting, Central flap control motor Center, Central flap positioning motor, Close differential lock, Cooling output test, Def. left matrix headlamp segment, Driver side mirror adjustment, Fog lamp support right, Footwell lighting, Fr.air/recirc.air/air fl. flap ctrl.mot., Head restraint adjustment: Up, Headlamp setting, Headlamp: Left horizontal centre position, Headlight washer pump, Adjustment: Ext. mirror/rear window heating, Adjustment: Unlocking after key removal, Air supplementary heating, Air-conditioning system control unit reset, Auxiliary battery (12V): Switching in, Battery (high-voltage): Cancel access authorisation for protected functions (SDA), Blower motor: Maximum power, Button LED cyan, Button LED red, Button LED white, Button LED yellow, Cornering lights, Def. rght.matrix headlamp segment, Additional turn signal indicator, After-wipe adjustment, Battery (high-voltage): Reading out the current capacity, SOH (State of Health), Compressor magnetic clutch, Continued engine operation circuit, Coolant shut-off valve 2, Coolant shut-off valve 3, Deactivate transportation mode, Defrost flap right, Door interior handle illumination, Driving school rem.ctrl.indic.LED, Electric supplementary heater, Exterior lighting, Fold in driver side exter. mirror, Fr.left window defroster flap CM, Front left seat heating, Activate energy saving mode, Additional interior lighting, Adjustment: Lighting on leaving vehicle, Adjustment: One-touch turn signal indication, Adjustment: Remote control conven. actuation, Button LED blue, Central electronics control unit: Cancel access authorisation for protected functions (SDA), Compressor (Driver side multi-contour seat), Compressor run-in time adaption, Activate showroom mode, Adjustment: Acoustic locking signal, Adjustment: Unlocking options, Air distribution flap, Antenna module: Cancel access authorisation for protected functions (SDA), Brake-pedal position sensor: Test, HV battery charge/discharge current, HV battery cooling system valve 1, Inflation pressure warning lamp, Left air mix flap control motor, Left center vent control motor, Left tourist light, Light control: Left-hand/right-hand drive resetting, Matrix headlamp reference segment, MMI display temp. setting actuat., Racing light right, Rear blower motor, Rear left temp. flap control motor: Actuation, Rear seat heating, Rear spoiler, Refrigerant circuit: Service mode activation/deactivation, Refrigerant shut-off valve 2, Ri. light distr.: Motorway light, Right headlight range control Down, Right rear power window switch, Seat heating, Seat memory position 2, A/C compressor adaptation, Activate antenna 2, Adaptive damping system basic setting, Adjustment: Lighting for locating vehicle, Adopt.of unfiltered ambient temp., Anti-theft alarm siren: Alarm detec., Bad weather light left, Blower motor: Half power, Center vent control motor, Compressor (Passenger side multi-contour seat), Defrost flap left, Dipped beam, Door power latching system, Driver side side window sun blind, Driving school acoustic warning, External noise actuator, Footwell flap control motor, Fresh air/recirculated-air flap: 100 %, Front flashing light actuation, Front fog headlight, Activate antenna 1, Activate antenna 3, Adjustment: Acoustic unlocking signal, Adjustment: Footwell lighting, Air flap actuator, Air flow flap, Air mix flap control motor, Automatic rear wiper function, Button LED magenta, Central electronics control unit: Reset learning values, Central flap control motor Footw., Central locking, Convenience rear window wipe adjustment, Activate/deactivate production mode, Activate/deactivate roller dynamometer mode, Actuation of all control motors, Adjustm.: Pass.comp.sensor trigg. sensitivity, Adjustment: Type of alarm signal, Alarm horn, Bad weather light right, Battery (high-voltage): Diagnosing state, Battery (high-voltage): Readout of the current capacity, Battery separation relay, Button LED green, Central locking LED, Central locking system warning lamp, Compressor run-in, Compressor run-in blower voltage adaption, Convenience locking adjustment, Cooling circuit control valve, Electric coolant pump (HV battery coolant circuit): Control, Driver side multi-contour seat: Functional test, Footwell lamps, Fresh-air flap control motor, Front air distribution control motor, Front right seat heating, Front right seat ventilation, Headlamp pos. right horiz. outer, Headlamp pos. right vert. top, Headlamp: Left vertical bottom position, Headlamp: Left vertical top position, Interior monitor button LED, Le. LED lgt. distr.: Tourist lgt., Left racing light, Left static cornering light, Locking/unlocking visual signal adjustment, Maximum refrigerating output, Move left headlamp horizontally, Headlamp pos. left horiz. inner, Headlamp pos. left vert. center, Headlamp pos. right

horiz. inner, Headlamp pos. right vert. bottom, High-voltage batt. management contr.unit: System self-test, HV battery cooling heat exchanger, Heat exchanger shut-off valve, Le. LED lgt. distr.: C. road lgt., Le. LED lgt. distr.: Main beam, Left light distr.: Motorway light, Passenger side multi-contour seat: Functional test, Power supply, terminal 15, Power window switch RL, Puddle lamp, Rear air distribution flap control motor, Rear door sill trims lighting, Rear left air vol.flap CM actuat., Rear left central locking motor, Rear left seat ventilation, Rear right head area heating: Stage 1, Rear right seat heating, Rear right window lifter: Opening, Refrigerant expansion valve 3: Actuation, Refrigerant shut-off valve 3, Ri.LEDlgt.distr.:All-weather lgt., Right footwell temp. flap control motor: Actuation, Running gear control unit: Adapt components <Damper solenoid valves>, Running gear control unit: Resetting adaptation values of the system <Adaptive damping system>, Second battery, Compass display, Electr. air suppl. heater actuation, Emergency braking hazard warning adjustment, External noise volume adjustment, Front left window lifter switch, Front right window lifter switch, Headlight basic setting, Heated rear window, Intersection light right, Le. lgt.distr.: Country road lgt., Le. light distr.: Light/dark lim., LED dimming interior mirror, Tank flap, Tone seq. switching (urban/rural), TPM individual specified pressure adjustment, Vehicle speed, Windscreen heater, Write central electronics ECU config., Convertible top solenoid valve 1, Convertible top solenoid valve 2, Encoding of retrofitted components, Headlamp pos. right horiz. center, Horn, Indicator lamp for<BR>passenger-compartment monitoring, Individ. matrix headlamp segment, Le.LED lgt.distr.: Dayt. dr.light, Left and right turning light, Left footwell temp. flap control motor: Actuation, Left urban light, Lft light distr.: Aut. main beam, Maximum heat output, Pedestrian warning system sound module: Volume adjustment, Rear air mix flap, Rear right seat ventilation, Rear right window lifter: Close, Rear temperature flap control motor, Rear vent control motor, Rear wiper, Refrigerant shut-off valve 5, Relay, terminal 15,<BR>engine compartment, Ri. LED lgt. distr.: Inters. lgt., Ri. LED lgt. distr.: Main beam, Right headlamp light distribution, Right urban light, Side light adjustment, Test mode, Defrost flap control motor, EMC test mode, Fold in pass. side exter. mirror, Front and rear control motor basic settings, Front left side vent control motor, Function LED actuation<BR>Lock/SAFE, Hazard warning system button, Hazard warning system lamp, Hazard warning system lamp, Headlamp pos. right vert. center, Headlamp: Left horizontal external position, Headlight washer system relay, Heating water valve, HV battery cell evaluation, HV battery coolant pump, HV battery cooling system valve 2, Indicator light, hazard flasher, Le. LED lgt. distr.: Motorw. lgt., Le. LED lgt. distr.: Racing light, Left footwell flaps, Left light distr.: Urban light, Left main beam, Pressure accumulator valve, Fog lamp support left, Fr.right window defrost. flap CM, Front left seat ventilation, Front windscreen washer pump, Heated windshield indicator lamp, HV battery charge, HV battery coolant switching valve, Indirect ventilation vent flap, Le. LED lgt. distr.: Inters. lgt., Le.LEDlgt.distr.:All-weather lgt., Le.lgt.distr.: Full b. indic.lamp, Left headlamp light distribution, Left headlight range control Down, Left motorway light, Left open road light, Load compartment cover, Luggage compartment lighting, Maximum cooling output, Move right headlamp horizontally, Nozzle heating, Passenger compartment lighting: Dimming, Program sensor code, Read central electronics control unit config., Rear window roller blind motor, Refrigerant shut-off valve 1, Parking light adjustment, Rear air distribution control motor, Rear left head area heating: Stage 1, Rear left seat heating, Rear window washer pump, Refrigerant expansion valve 1: Actuation, Ri. LED lgt. distr.: Racing light, Ri. lgt. distr.: Country r. light, Right light distr.: Urban light, Right motorway light, Right/left-hand drive configuration, Running gear control unit: Adapt components <Level sensors>, Screen wiper motor, Status PTC - additional heater 3, Supplementary heater, Suppress mirror glare, Tone seq.syst.activ.via horn act., Tourist light right, Tourist mode, Window lifter, Convertible top flap motor, Filler neck compar. lid unlocking, Fresh air/recirculated-air flap: 50 %, Fresh-air flap / Recirculated-air flap, Front control motor basic settings, Front fresh air blower, Front right side vent control motor, Front side light, Horn Output, Le. LED lgt. distr.: Urban light, Le.LED lgt.distr.: Stat.corn.lgt., LED, hatchback-lid defogger, Left temperature flap control motor, Lin bus 2 control motor adaption, Load compartment light, Main



beam assist. indicator lamp, Mirror fold-in switch, Move right headlamp vertically, Open differential lock, Operating unit illumination, Yellow warning lamp, Hydraulic fluid pump relay, Passenger side side window sun blind, Power door latching sys.actuation, Pressure accumulator: Bleeding, Rear air mix flap control motor, Rear central flap control motor, Rear central flap control motor 2, Rear left window lifter: Close, Rear left window lifter: Opening, Rear right air vol.fl. CM actuat., Rear right central locking motor, Rear right temp. flap control motor: Actuation, Rear wiper motor, Recirculated-air flap control motor, Recirculating-air flap: fresh air, Ri. LED lgt. distr.: C.road light, Ri. lgt. distr.: Aut. main beam, Ri.LED lgt.distr.: Stat.corn.lgt., Right daytime driving light, Right headlight range control Up, Right stat.crng.light act. 100%, Right static cornering light, Right temperature flap control motor, Seat heating actuation, Seat position Normal, Special signal system, Sun roof motor, Terminal 58d<BR>(dimming for interior lighting), Tilt sensor trigger sensitivity adjustment, Rear lid central locking, Refrigerant shut-off valve, Rear air volume CM actuation, Rear control motor basic settings, Rear left sun blind, Rear right window lifter, Rear spoiler display actuation, Refrigerant expansion valve 2: Actuation, Refrigerant shut-off valve (Air-conditioning system), Reset all counters, Ri. LED lgt. distr.: Tourist lgt., Right center vent control motor, Right footwell flaps, Right main beam, Roof sign, Seat heating configuration, Sunroof, Turning light, Unlock right sliding door, Water Pump, Window lifter motors: Adapting, Windscreen wiper, Windshield wiper rest heating, Ri.LED lgt.distr.: Motorw. light, Right air mix flap control motor, Sun roof sun blind motor, Switch off electrical loads, Taxi alarm, Turn signal indicator, Variant encoding, Washer jet heater, Weapons box, Left daytime driving light, Left headlight range control Up, Left intersection light, Lin bus 1 control motor adaption, Magnetic coupling: air conditioner, Move left headlamp vertically, Passenger side mirror adjustment, Power supply with exh.disch.prot., PTC add.heat. on, Rain/light sensor: Adapting, Rear flashing light actuation, Rear fresh air blower, Rear lid: Locking, Refrigerant shut-off valve 4, remote control unit: Activate, Ri. LED lgt. distr.: Urban light, Ri. lgt. distr.: Main beam ind.l., Ri. light distr.: Light/dark lim., Ri.LED lgt.distr.: Dayt. dr.light, Right open road light, Temperature flap control motor, Windshield wiper service position, Charge indicator lamp 2, Control lamp button load profile, Actuate charging connect. 2 LEDs, Charge indicator lamp 1, Windscreen heater: Actuation, Windshield wiper service position adjustment, Convertible top locking motor, Convertible top solenoid valve 5, Transfer A/C control unit configuration, Transfer central electronics ECU config., Two-way radio, Convertible top solenoid valve 3, Convertible top solenoid valve 4, Actuate charging connect. 1 LEDs, Close charging connection flap 1, Close charging connection flap 2, Actuate charging connection 2, Charge connection flap, Park Distance Control control unit: Cancel access authorisation, Actuate charging connection 1, Front left loudspeaker 2, Rear window motor, HV charging cable indicator lamp, Button LED, HV batt. charge warning lamp, Rear right loudspeaker 2, Charge air pressure display, HV battery immediate charging button, Reset HV charge cable mating cyc., Bus optical transmission power reduction, Opt. transmission power reduct., Rear left loudspeaker 1, ESP steering wheel angle sensor adaptation, Front right loudspeaker 1, EJECT button disable adjustment, Front right loudspeaker 2, Rear right loudspeaker 1, Steering angle initialization, Steering assistance level adjustment, Warning buzzer, Deactivate service mode, Lettering test pattern, Rear left loudspeaker 2, Stopwatch test, Leakage test function, Open sliding door, Front left loudspeaker 1, Simulation: Rear button, Oil temperature indicator, Close all-wheel pump solen. valve, Close sliding door, Configuration, Front indicator lamp, Simulation: Front button, Brake pad replacement step 1, Open all-wheel pump solen. valve, Reset actuation counter, Front axle torque request, Activate service position, Sliding door clutch, Sliding door motor, Brake pad replacement step 2, Longit. accel. sensor zero pos. calibration, Sliding door locking pawl, Warning tone generator (Sliding door)

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