



HGS Software-News

Diagnostic devices



Additions And Modifications In Software Version 60

Things to know – an overview

New

| General

- Support of country-specific units for component test values.

| mega macs 56

- Vehicle information with new data type ADAS & Light.

| mega macs 56 BIKE

- Vehicle adapter Piaggio Group and standard adapter Euro 5 OBD II without additional voltage supply.

| mega macs 77

- Indication of the measured battery voltage at the VCI plug.

Modifications

| mega macs BIKE

- The symbol is placed according to the active vehicle type top right in the status bar.

| mega macs 42 SE

- The kilometer/mileage reading is indicated on the hard-copy printout.
- The VIN source is indicated on the hard-copy printout.

| mega macs 42 SE, mega macs 66

- The device crash during the global check has been repaired.

| mega macs 56 BIKE

- The zero point of pressure in the basic setting has been corrected in the Measurements menu.
- The guided measurement function has been integrated.

| mega macs 56, mega macs PC, mega macs 42 SE

- Automatic restart after VCI update via USB.

| mega macs 56

- The device crash in case of missing VCI connection in the course of camera calibration has been repaired.

| mega macs 56 with MT 56

- USB data transfer rate has been improved.

| mega macs 66, mega macs 56

- The source of kilometer/mileage reading is indicated on the hard-copy printout.
- The invalid selection has been removed when the vehicle type is changed.

| mega macs 66

- The device crash during installation check has been repaired.



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| Car History

- Saving angular values in the Cloud during camera calibration has been supplemented.
- Implausible data during saving of the kilometer/mileage reading are prevented.

| Guided Measurements

- The depiction of the TDC search in case of negative value has been adapted.

| PassThru

- A blocking CAN fault in the PassThru proceeding has been repaired.

| mega macs 77

- Improvement of the measurements autoselect.
- The diagnostic selection under Global check has been repaired.
- Depiction of dialogs and buttons has been adapted.
- Signal evaluation and navigation of records of measurements and parameters in the Car History have been extended.
- Indication of buttons in the vehicle selection menu has been corrected.



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Functions according to manufacturer

This list merely gives a basic overview of the scope of our data additions. A complete list with all the model additions for every manufacturer would be simply too extensive.

Extended and revised manufacturers

Alfa Romeo

- | **Trouble codes** (147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (166 (936), 936), (Giulia (952), 952), (Giulietta (940), 940), (GT (937), 937), (Mito (955), 955), (Spider (916), 916), (Spider (939), 939), (Stelvio (949), 949))
- | **Parameters** (147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (166 (936), 936), (Giulia (952), 952), (Giulietta (940), 940), (GT (937), 937), (Mito (955), 955), (Spider (916), 916), (Spider (939), 939), (Stelvio (949), 949))
- | **Actuators** (147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (166 (936), 936), (Giulia (952), 952), (Giulietta (940), 940), (GT (937), 937), (Mito (955), 955), (Spider (916), 916), (Spider (939), 939), (Stelvio (949), 949))
- | **Basic settings**
 - Learning the steering-angle sensor ((147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (GT (937), 937))
 - Idle rpm self-adaptation ((156 (932), 932 '98->))
 - Replacing the lean NOx catalyst ((Giulia (952), 952))
 - Initializing the brake-pressure sensor ((159 (939), 939))
 - Adapting the camshaft ((Giulia (952), 952))
 - Initializing lateral/longitudinal/rotation acceleration sensor ((159 (939), 939))
 - Activating the fuel pump ((Giulia (952), 952))
 - Resetting engine adaptation values ((Giulia (952), 952), (Giulietta (940), 940))
 - Initializing the ABS/ESC system ((159 (939), 939))
 - Learning the lambda sensor ((Giulia (952), 952))
 - Bleeding the fuel system ((Giulia (952), 952))
 - Initializing the fuel high-pressure sensor ((Giulia (952), 952))
 - Calibrating the steering-angle sensor ((Giulietta (940), 940), (Spider (939), 939))
 - Initializing the high-pressure EGR valve ((Giulia (952), 952))
 - Initializing the oil level sensor ((Giulia (952), 952))
 - Adapting the accelerator sensor ((156 (932), 932 '98->))
 - Initializing the mass airflow sensor ((Giulia (952), 952))
 - Learning the turbocharger ((Giulia (952), 952))
 - CFC - new actuators ((147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (GT (937), 937))
 - Learning the throttle valve ((Giulia (952), 952))



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- Learning the steering-angle sensor ((159 (939), 939), (Giulia (952), 952), (Stelvio (949), 949))
 - Reset learning values ((147 (937), 937), (156 (932), 932 '02->), (GT (937), 937), (Spider (916), 916))
 - Regenerating the soot particulate filter ((147 (937), 937), (159 (939), 939), (166 (936), 936), (Giulia (952), 952), (Spider (939), 939))
 - Replacing the rear brake linings ((Giulia (952), 952), (Stelvio (949), 949))
 - Calculating the wear index ((147 (937), 937), (GT (937), 937))
 - Selespeed adaptation ((Giulietta (940), 940))
 - Initializing the yaw rate sensor ((Giulia (952), 952), (Mito (955), 955), (Stelvio (949), 949))
 - Initializing the adaptive cruise control ((Giulia (952), 952), (Stelvio (949), 949))
 - Resetting all engine adaptation values ((156 (932), 932 '98->))
 - Resetting differential pressure sensor learning values ((159 (939), 939))
 - Initializing the A/C flap actuators ((Giulia (952), 952))
 - Initializing the alternator ((Giulia (952), 952))
 - Resetting the odometer to 0 ((147 (937), 937), (159 (939), 939), (GT (937), 937))
 - Bleeding the clutch ((147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (Giulietta (940), 940), (Mito (955), 955))
 - Calibrating the steering-angle sensor ((Mito (955), 955))
 - Resetting learned values of idle speed stabilizer ((156 (932), 932 '98->))
 - Initializing the clutch pedal position ((Giulietta (940), 940))
 - Reducing system pressure in transmission ((147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (Giulietta (940), 940), (GT (937), 937))
 - Calibrating the parking brake ((Giulia (952), 952), (Stelvio (949), 949))
 - CFC self-adjustment band end/inspection ((147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (GT (937), 937), (Mito (955), 955))
 - Replacing the rear brake disc ((Giulia (952), 952), (Stelvio (949), 949))
 - Resetting catalyst adaptation values ((Giulia (952), 952))
 - Resetting the tire pressure monitoring ((Mito (955), 955))
 - Calibrating the camera ECU ((Giulia (952), 952), (Stelvio (949), 949))
 - Bleeding the ABS hydraulic unit ((Giulia (952), 952), (Stelvio (949), 949))
 - Releasing the clutch self-adjustment ((147 (937), 937), (159 (939), 939), (GT (937), 937))
 - Replacing the rear brake caliper ((Giulia (952), 952), (Stelvio (949), 949))
 - Replacing the differential pressure sensor ((Giulia (952), 952))
 - Resetting headlight leveling adaptation values ((Giulia (952), 952))
 - Initializing the neutral position sensor ((Giulietta (940), 940), (Mito (955), 955))
 - Calibrating the tire pressure monitoring system ((Mito (955), 955))
- Codings**
- Coding the trailer hitch ((159 (939), 939), (Giulia (952), 952))
 - Coding the keys ((147 (937), 937), (159 (939), 939), (Mito (955), 955), (Spider (939), 939))



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Coding injectors ((147 (937), 937), (156 (932), 932 '02->), (159 (939), 939), (166 (936), 936), (Giulia (952), 952), (Spider (939), 939))

Coding the tire pressure check ((Giulia (952), 952))

Coding the country version ((Mito (955), 955))

Coding the instrument cluster ((Giulietta (940), 940), (Mito (955), 955))

Registering the battery ((147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (166 (936), 936), (Giulietta (940), 940), (GT (937), 937), (Mito (955), 955), (Spider (916), 916), (Spider (939), 939))

Proxy alignment ((Giulietta (940), 940), (Mito (955), 955))

| Service resets

(147 (937), 937), (156 (932), 932 '02->), (156 (932), 932 '98->), (159 (939), 939), (Giulia (952), 952), (Giulietta (940), 940), (GT (937), 937), (Mito (955), 955), (Spider (939), 939), (Stelvio (949), 949))

Audi

| Trouble codes

(A1, GB), (A3, 8P), (A3, 8V), (A3, 8Y), (A4, 8E), (A4, 8H), (A4, 8W), (A5, F5), (A6, 4A), (A6, 4B), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (Q8, 4M), (RS3, 8V), (RS4, 8H), (S3, 8Y), (S4, 8H), (S6, 4A), (TT, 8J), (TT, 8N), (TT, FV)

| Parameters

(A1, GB), (A3, 8P), (A3, 8V), (A3, 8Y), (A4, 8E), (A4, 8H), (A4, 8W), (A5, F5), (A6, 4A), (A6, 4B), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (Q8, 4M), (RS3, 8V), (RS4, 8H), (S3, 8Y), (S4, 8H), (S6, 4A), (TT, 8J), (TT, 8N), (TT, FV)

| Actuators

(A1, GB), (A3, 8P), (A3, 8V), (A3, 8Y), (A4, 8E), (A4, 8H), (A4, 8W), (A5, F5), (A6, 4A), (A6, 4B), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (Q8, 4M), (RS3, 8V), (RS4, 8H), (S3, 8Y), (S4, 8H), (S6, 4A), (TT, 8J), (TT, 8N), (TT, FV)

| Basic settings

Resetting fuel system adaptation values ((A3, 8P))

Regenerating the soot particulate filter ((A1, GB), (A3, 8V), (Q2, GA), (Q5, FY))

Initializing the ESC sensors ((A1, GB), (A3, 8V), (RS3, 8V), (A4, 8E), (Q2, GA), (TT, 8J), (TT, FV))

Initialize 4WD clutch oil pump ((Q3, 8U), (RS Q3, 8U), (A3, 8V), (S3, 8V), (TT, FV), (RS3, 8V), (Q2, GA), (Q3, F3), (RS Q3, F3), (A3, 8Y), (S3, 8Y), (TT, 8J))

Regenerating the soot particulate filter ((A4, 8E))

Changing and checking DCT fluid ((A4, 8W), (A5, F5), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (Q5, FY))

Initializing the boost pressure regulator ((Q5, 8R), (A5, 8F), (A5, 8T), (A4, 8K), (A4, 8W), (A5, F5), (A1, GB), (A3, 8V), (A7, 4K), (Q3, 8U), (TT, 8J), (TT, FV))

Locking/unlocking the ride height leveling ((Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE), (Q5, FY))

Standardizing the liftgate ((A6, 4G), (A7, 4G), (Q3, 8U))

Initialize actuator of coolant temperature control ((A4, 8W), (A5, F5), (A3, 8V), (A7, 4K), (Q5, 8R), (TT, 8J), (TT, FV))

Adapting the soot particulate filter ((A4, 8W), (A3, 8Y), (A1, GB), (A3, 8P), (A3, 8V), (A4, 8E), (A5, F5), (S6, 4A), (A7, 4K), (Q2, GA), (Q5, FY), (TT, FV))



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Learning the steering-angle sensor ((A4, 8W), (A5, F5), (Q8, 4M), (A1, GB), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE), (Q3, 8U), (Q5, FY))

Resetting gen. ECU learning values ((A3, 8P), (A4, 8E), (A6, 4G), (A7, 4G), (Q3, 8U), (Q5, 8R), (Q7, 4L))

Adapting the longitudinal acceleration sensor ((A3, 8P))

Adapting travel sensors ((A6, 4G), (A7, 4G), (Q5, 8R))

Initializing the exhaust gas flap ((A6, 4A))

Filling/topping up the rear axle differential ((A4, 8K), (A5, 8F), (A5, 8T), (S5, 8T), (A8, 4H), (A7, 4G), (S4, 8K), (A6, 4G), (Q5, 8R), (S7, 4G), (S6, 4G), (RS7, 4G), (RS5, 8T), (S5, 8F), (RS6, 4G), (S8, 4H), (RS4, 8K), (RS5, 8F))

TESTING LAMBDA-CONVERSION BANK 1 ((A4, 8E), (A6, 4B), (TT, 8N))

Putting the 48 V system back into operation ((A4, 8W), (A5, F5), (Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N))

Resetting the impact mode ((A3, 8V), (TT, FV), (S3, 8V), (RS3, 8V), (Q2, GA), (RS Q3, F3), (A1, GB), (TT, 8J))

Adapting the normal position of ride-height levelling ((A6, 4B), (A6, 4G), (A7, 4G), (Q7, 4L))

Zero reset of longitudinal acceleration sensor (MK20) ((TT, 8N))

Activating the roller test stand mode ((Q3, 8U))

Calibrating the camera ECU ((A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Adapting the DEF injection system ((A3, 8V), (A4, 8W), (A5, F5), (S6, 4A), (A6, 4A), (Q2, GA), (Q5, FY))

Checking the gearbox oil level ((A3, 8P))

Initializing the lateral acceleration sensor ((A3, 8P), (Q3, 8U), (TT, 8N))

Service position of air conditioning actuators ((Q7, 4L))

Resetting engine adaptation values ((A4, 8W), (A5, F5), (A3, 8V), (RS3, 8V), (S6, 4A), (A6, 4A), (A7, 4K), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))

Adapting the electronic damper control ((A3, 8P))

Adapting the gear actuator ((A6, 4G), (A7, 4G), (Q5, 8R))

Adapt the intake manifold flap ((A3, 8P), (A5, F5), (A6, 4G), (Q3, 8U), (Q7, 4L))

Multitronic transmission adaptation drive cycle ((A4, 8E), (A6, 4B), (A6, 4G), (A7, 4G))

Adapting the clutch biting point ((A6, 4G), (A7, 4G), (Q5, 8R))

Resetting the start inhibitor of DEF injection system ((A3, 8Y), (A4, 8W), (A6, 4A), (Q2, GA))

Reset learned values of injectors. ((A3, 8Y), (A1, GB))

Brake-pressure sensor (MK60) ((TT, 8N))

Performing engine adaptations ((A3, 8Y), (A3, 8V), (A4, 8W), (A5, F5), (Q2, GA), (Q5, FY))

Calibrating the lane departure warning system camera ((Q5, 8R), (Q7, 4L))

Performing the initial run-in of the air conditioning compressor ((A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))

Adjust waste gate valve ((A3, 8P))



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- Check lambda ageing bank 1 before catalyst ((A4, 8E), (A6, 4B), (TT, 8N))
- Resetting the refrigerant loss counter ((Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE))
- Initializing adaptation values of mechatronic unit ((A6, 4G), (A7, 4G), (Q5, 8R))
- Initializing the A/C flap actuators ((Q5, FY))
- Learning the turbocharger ((Q5, 8R), (A5, 8T), (A5, 8F), (A3, 8P), (A6, 4A))
- Test of secondary air valve bank 2 ((A4, 8E), (A6, 4B))
- Test of lambda status probe 1 + 2 ((A6, 4B), (TT, 8N))
- Adapting the cabin fragrance system ((Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE))
- Adapting the radiator shutter ((A4, 8W), (A5, F5), (A3, 8Y), (A1, GB), (S6, 4A), (A6, 4A), (A7, 4K))
- Zero reset of longitudinal acceleration sensor (MK60) ((TT, 8N))
- Adjusting the headlights ((A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, FY), (TT, 8J), (TT, FV))
- Adapting oil pressure for engine run-in ((A4, 8W), (A5, F5), (A1, GB), (A3, 8V), (RS3, 8V), (S6, 4A), (A6, 4A), (A7, 4K), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))
- Bleeding the cooling system ((A4, 8W), (A5, F5), (A3, 8Y), (A1, GB), (A3, 8V), (RS3, 8V), (S6, 4A), (A6, 4A), (A7, 4K), (Q2, GA), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))
- De-energizing the 48 V system ((A4, 8W), (A5, F5), (Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N))
- Filling/bleeding the pneumatic suspension system ((A6, 4B), (A6, 4G), (A7, 4G), (Q7, 4L))
- Unlocking/locking the self-steering rear axle ((Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N))
- Initializing the transmission ECU ((A3, 8P), (Q3, 8U), (TT, 8N))
- Checking emergency battery of emergency call system/telematics system ((A4, 8W), (A5, F5), (Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE), (Q5, FY))
- Resetting the diesel exhaust fluid level ((A3, 8Y), (A4, 8W), (Q2, GA))
- Filling/bleeding the cooling system ((A4, 8W))
- Check lambda ageing bank 2 before catalyst ((A4, 8E), (A6, 4B))
- Regenerating the soot particulate filter ((A3, 8Y), (A3, 8P), (A4, 8W), (A5, F5), (S6, 4A), (A6, 4A))
- Performing transmission adaptations ((A1, GB), (A3, 8V), (RS3, 8V), (Q2, GA), (TT, 8J), (TT, FV))
- Initializing the seat belt tensioner ECU ((A1, GB), (A3, 8V), (RS3, 8V), (Q2, GA), (TT, 8J), (TT, FV))
- Bringing gear actuator of direct shift transmission in neutral position ((A3, 8P))
- Learning the throttle valve ((A3, 8P), (A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (A1, GB), (A3, 8V), (A4, 8E), (A6, 4G), (A6, 4A), (A7, 4G), (A7, 4K), (A8, 4N), (Q3, 8U), (Q5, 8R), (TT, 8J), (TT, FV), (TT, 8N))
- Initializing the brake-pressure sensor ((A3, 8P), (A3, 8V), (RS3, 8V), (Q2, GA), (Q3, 8U), (TT, 8J), (TT, FV))
- Test of lambda controller after CAT ((TT, 8N))



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Resetting gearbox learning values ((A4, 8E), (A6, 4B))

Initializing the high-pressure fuel pump ((A6, 4A))

Test of lambda controller before CAT ((A6, 4B), (TT, 8N))

Initialize minimum quantity deviation of the injectors ((A3, 8P))

Retracting parking brake ((A4, 8W), (A5, F5), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))

Reducing fuel high pressure ((A1, 8X), (A4, 8W), (A5, F5), (A3, 8Y), (A1, GB), (A3, 8V), (A6, 4A), (A7, 4K), (Q3, 8U), (Q5, 8R), (TT, 8J), (TT, FV))

Test of secondary air valve bank 1 ((A4, 8E), (A6, 4B))

Configuring the lane change assist ((A4, 8W), (A5, F5), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Resetting timing chain adaptation values ((Q5, 8R), (A4, 8K), (A5, 8T), (A5, 8F), (A4, 8W), (A5, F5), (A3, 8V), (A7, 4K), (TT, 8J), (TT, FV))

Initializing the neutral position sensor ((A4, 8W), (A5, F5), (A3, 8Y), (A1, GB), (A3, 8V), (A3, 8P), (A7, 4K), (Q2, GA), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))

Checking oxygen sensor (bank 2) before catalyst ((A4, 8E), (A6, 4B), (TT, 8N))

Initializing the EGR valve ((A3, 8P))

Checking learned values of oxygen sensor before catalyst ((A6, 4B), (TT, 8N))

Adapting the fuel burning heater remote control ((A3, 8P), (A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q5, 8R), (Q5, FY), (Q7, 4L))

Unlocking aux. heater/independent car heater ((A3, 8P), (A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q5, 8R), (Q5, FY), (Q7, 4L))

Calibrating the front edge radar ((Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE))

Initializing the fuel quantity adjuster ((A6, 4A))

Initializing the adaptive cruise control ((A4, 8W), (A5, F5), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q5, 8R), (Q5, FY), (Q7, 4L))

Initializing the drive position sensor ((A6, 4G), (A7, 4G), (Q5, 8R))

Checking oxygen sensor (bank 2) after catalyst ((A4, 8E), (A6, 4B))

Initializing the oxidation catalyst ((A3, 8Y))

Reset exhaust-gas aftertreatment filter learning values ((A4, 8W), (A6, 4A))

Brake-pressure sensor (MK20) ((TT, 8N))

Adapting the electro-mechanical power steering ((A3, 8P))

Bleeding the fuel system ((A3, 8Y), (A1, GB), (A3, 8P), (A3, 8V), (A4, 8W), (A4, 8E), (A5, F5), (S6, 4A), (A6, 4A), (Q2, GA), (Q5, FY))

Burning off aux. heater/independent car heater ((A3, 8P), (A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q5, 8R), (Q5, FY))



Diagnostic devices

Learning the steering-angle sensor ((A3, 8P), (A3, 8V), (RS3, 8V), (A4, 8E), (A5, F5), (A6, 4B), (A6, 4G), (A7, 4G), (Q2, GA), (Q5, 8R), (Q7, 4L), (TT, 8J), (TT, FV), (TT, 8N))

Special bleeding (MK60) ((TT, 8N))

Adjusting the xenon headlight ((A3, 8P), (A4, 8E), (A6, 4B), (Q5, 8R), (Q7, 4L), (TT, 8N))

Initializing the oil pressure sensor/oil temperature sensor of rear axle differential ((A4, 8K), (A5, 8F), (A5, 8T), (S5, 8T), (A8, 4H), (A7, 4G), (S4, 8K), (A6, 4G), (Q5, 8R), (S7, 4G), (S6, 4G), (RS7, 4G), (RS5, 8T), (S5, 8F), (RS6, 4G), (S8, 4H), (RS4, 8K), (RS5, 8F))

Adapting the exhaust gas pressure sensor ((A3, 8P), (A3, 8V), (A4, 8E), (A6, 4A))

EGR test ((A4, 8E), (A6, 4B))

Initializing the adaptive cruise control ((A3, 8Y), (S3, 8Y), (TT, 8J), (TT, FV))

Special bleeding ((A3, 8P))

Activating the retrofitted parking heater ((A3, 8Y), (S3, 8Y), (A3, 8V), (RS3, 8V), (A6, 4G), (A7, 4G), (Q2, GA), (Q5, 8R), (Q7, 4L), (TT, 8J), (TT, FV))

Checking lambda conversion bank 2 ((A4, 8E), (A6, 4B))

Adapting the electronic climate control ((A3, 8P), (A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A4, 8E), (A6, 4A), (S6, 4A), (A6, 4B), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q7, 4L), (TT, 8J), (TT, FV), (TT, 8N))

Replacing emergency battery of emergency call system/telematics system ((A4, 8W), (A5, F5), (Q8, 4M), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE), (Q5, FY))

Extending parking brake ((A4, 8W), (A5, F5), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (TT, 8J), (TT, FV))

TDI start of injection ((A6, 4B))

Calibrating the parking brake ((A4, 8W), (Q8, 4M), (A3, 8V), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, FY), (TT, 8J), (TT, FV))

| Codings

Coding the keys ((A6, 4B))

Deactivating/activating the alternating park position ((A3, 8P), (Q5, 8R), (Q7, 4L))

Coding the ABS ECU (Bosch) ((A4, 8E), (A6, 4B))

Variable service interval coding ((A3, 8P), (A4, 8E), (A6, 4B))

Coding the door ECU RR ((A3, 8P))

Deactivating cruise control ((A4, 8E), (A6, 4B), (TT, 8N))

Coding the central comfort module ((A4, 8E))

Coding the headlight leveling system ((A3, 8P), (A4, 8E), (A6, 4B), (Q5, 8R), (Q7, 4L))

Activating cruise control ((A4, 8E), (A6, 4B), (TT, 8N))

Adapting the power steering after replacement ((A3, 8P))

Deactivating the alternating park position of wipers ((Q3, 8U))

Coding injectors ((A3, 8Y), (A3, 8P), (A3, 8V), (A4, 8W), (A5, F5), (A6, 4A), (Q2, GA), (Q5, FY))

Coding the body control module ((A4, 8E))

Coding the ACC ((A3, 8P), (A4, 8E), (A6, 4B), (TT, 8N))



Diagnostic devices

General ECU replacement ((A3, 8P), (A4, 8W), (A5, F5), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A4, 8E), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Expert mode ECU coding ((A3, 8P), (A4, 8W), (A5, F5), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A4, 8E), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Coding the rain/light sensor ((A3, 8P), (A4, 8W), (A5, F5), (A3, 8Y), (S3, 8Y), (Q8, 4M), (A1, GB), (A3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Deactivating/activating the transport mode ((A4, 8W), (A5, F5), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Adapting immobiliser to engine ECU ((A6, 4B))

Replacing the headlight/power module ((A3, 8V), (A7, 4G))

Coding the language version of instrument cluster ((A3, 8P), (A1, GB), (A3, 8V), (RS3, 8V), (A4, 8E), (A6, 4B), (Q2, GA), (TT, 8J), (TT, FV))

Coding the parking brake ECU ((Q3, 8U))

Coding the engine ECU ((A3, 8P), (A4, 8E), (A6, 4B), (TT, 8N))

Coding the fuel burning heater ((A3, 8P), (A6, 4G), (A7, 4G), (Q5, 8R))

Adjust parking assistance volume ((A3, 8P), (A3, 8Y), (S3, 8Y), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4G), (A7, 4G), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q7, 4L), (TT, 8J), (TT, FV))

Coding the door ECU FR ((A3, 8P))

Coding the steering-column module ((A3, 8P), (A4, 8E), (Q3, 8U), (Q5, 8R), (Q7, 4L))

De-/activating the cruise control ((A3, 8P), (A3, 8V), (RS3, 8V), (A4, 8E), (Q3, 8U), (Q5, 8R), (Q7, 4L), (TT, 8J), (TT, FV))

Coding the door ECU FL ((A3, 8P))

Coding the Multitronic transmission ECU ((A4, 8E))

Coding the gearbox ECU ((A3, 8P), (A4, 8E), (A6, 4B), (TT, 8N))

Synchronisation of the remote control ((A3, 8P), (A4, 8E), (A6, 4B))

Registering the battery ((A3, 8P), (A4, 8W), (A5, F5), (Q8, 4M), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (TT, 8J), (TT, FV))

Coding the lane change assist ((A6, 4G), (A7, 4G), (Q5, 8R))

Coding the parking assist ((A3, 8P))

Coding the radio ((A3, 8P), (A4, 8E), (A6, 4B), (TT, 8N))

Coding the radio remote control ((A3, 8P), (A4, 8E), (A6, 4B), (TT, 8N))

Coding the trailer detection ((A4, 8W), (A5, F5), (Q8, 4M), (A3, 8P), (A3, 8V), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (e-tron, GE), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L))

Coding the ABS ECU ((A3, 8P), (A4, 8E), (A6, 4B), (TT, 8N))

Adapting the trailer hitch to advanced driver assistance systems ((A4, 8W), (A5, F5), (Q8, 4M), (A3, 8V), (RS3, 8V), (A6, 4A), (S6, 4A), (A7, 4K), (A8, 4N), (Q2, GA), (Q3, 8U), (Q5, FY))



Diagnostic devices

Coding the gateway installation list ((A3, 8P), (A1, GB), (A3, 8V), (RS3, 8V), (A6, 4G), (A7, 4G), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q7, 4L), (TT, 8J), (TT, FV))

Coding the rear camera system ((A6, 4G), (A7, 4G), (Q5, 8R))

Coding the adaptive cruise control ((Q7, 4L))

Coding the door ECU RL ((A3, 8P))

De/activating the trailer hitch ((A3, 8P), (A4, 8W), (A5, F5), (Q8, 4M), (A3, 8V), (RS3, 8V), (A4, 8E), (A6, 4A), (S6, 4A), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L))

EJECT button un/locking ((A3, 8P), (A6, 4G), (A7, 4G), (Q5, 8R), (Q7, 4L))

Replacing the airbag ECU ((A3, 8P))

| Service resets

(A1, GB), (A3, 8P), (A3, 8V), (A3, 8Y), (A4, 8E), (A4, 8W), (A5, F5), (A6, 4A), (A6, 4B), (A6, 4G), (A7, 4G), (A7, 4K), (A8, 4N), (Q2, GA), (Q3, 8U), (Q5, 8R), (Q5, FY), (Q7, 4L), (Q8, 4M), (RS3, 8V), (S3, 8Y), (S6, 4A), (TT, 8J), (TT, 8N), (TT, FV)

BMW

| Trouble codes

(1 Ser., E87), (2 Ser., F22), (2 Ser., F44), (2 Ser., F46), (3 Ser., E90), (3 Ser., E91), (3 Ser., F30), (3 Ser., F31), (3 Ser., F34), (3 Ser., G20), (3 Ser., G21), (4 Ser., F32), (4 Ser., F33), (4 Ser., F36), (4 Ser., G22), (5 Ser., E61), (5 Ser., G30), (5 Ser., G31), (6 Ser., E63), (6 Ser., E64), (6 Ser., F13), (6 Ser., G32), (7 Ser., G11), (7 Ser., G12), (8 Ser., F92), (8 Ser., F93), (8 Ser., G14), (8 Ser., G15), (8 Ser., G16), (X1, F48), (X2, F39), (X3, E83), (X3, F25), (X3, F97), (X3, G01), (X4, F98), (X4, G02), (X5, F95), (X5, G05), (X6, HY), (X6, F86), (X6, G06), (X7, G07), (Z4, G29)

| Parameters

(1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., E91), (3 Ser., F30), (3 Ser., F31), (3 Ser., F34), (3 Ser., G20), (3 Ser., G21), (4 Ser., F32), (4 Ser., F33), (4 Ser., F36), (4 Ser., G22), (5 Ser., E61), (5 Ser., G30), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., F92), (8 Ser., F93), (8 Ser., G14), (8 Ser., G15), (X1, F48), (X2, F39), (X3, E83), (X3, F25), (X3, F97), (X3, G01), (X4, F98), (X5, F95), (X5, G05), (X6, HY), (X6, F86), (X6, G06), (Z4, G29)

| Actuators

(1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., E91), (3 Ser., F30), (3 Ser., F31), (3 Ser., F34), (3 Ser., G20), (3 Ser., G21), (4 Ser., F32), (4 Ser., F33), (4 Ser., F36), (5 Ser., E61), (5 Ser., G30), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., F92), (8 Ser., F93), (8 Ser., G14), (8 Ser., G15), (X1, F48), (X2, F39), (X3, E83), (X3, F25), (X3, F97), (X3, G01), (X4, F98), (X5, F95), (X5, G05), (X6, HY), (X6, F86), (X6, G06), (Z4, G29)

| Basic settings

Adapting the longitudinal acceleration sensor ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X6, HY))

Taking the self-steering rear axle into operation ((X5, F95), (X6, F86))

Resetting reference values ((X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., F31), (X3, F97), (X4, F98))

Taking the active steering into operation ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X6, HY))

Initializing the air suspension ((X3, G01), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98))

Adjusting the starting torque ((2 Ser., F46), (3 Ser., F30), (X1, F48))



Diagnostic devices

Learning the power windows ((X5, G05), (3 Ser., G21), (X1, F48), (X2, F39), (X3, G01), (1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, E83), (X3, F25), (X3, F97), (X4, F98), (X6, HY), (X6, G06), (Z4, G29))

Deactivating the service mode ((3 Ser., G21), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (8 Ser., G14), (8 Ser., G15), (X5, G05))

Adapting the active roll stabilizer ((5 Ser., E61))

Initializing the rain sensor ((X5, G05), (3 Ser., G21), (X3, G01), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98), (X6, G06), (Z4, G29))

Adapting the A/C compressor ((X5, G05), (3 Ser., G21), (X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86), (X6, G06), (Z4, G29))

Calibrate rearview camera ((2 Ser., F22))

Standardizing the liftgate ((8 Ser., G14))

Calibrating the night vision assist ((5 Ser., G30), (5 Ser., G5L), (8 Ser., F92), (8 Ser., F93), (X3, F25), (X5, F95), (X6, F86))

Resetting fuel system adaptation values ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., G21), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X1, F48), (X3, F97), (X4, F98), (X5, G05), (Z4, G29))

Learning the steering-angle sensor ((2 Ser., F46), (4 Ser., F36))

Adapting the longitudinal acceleration sensor ((2 Ser., F22))

Initializing the electronic stability control sensors ((X1, F48), (X3, G01), (2 Ser., F46), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98))

Regenerating the soot particulate filter ((1 Ser., E87), (2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., E91), (X1, F48), (X3, E83), (X5, G05))

Resetting the transport mode of ride height leveling / ride height leveling ECU ((2 Ser., F22), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (8 Ser., G15), (X6, HY))

Initialize classification resistance of transfer case ((3 Ser., E90), (3 Ser., E91), (X3, E83))

Initializing the rain/light sensor ((2 Ser., F44), (X1, F48), (X2, F39), (4 Ser., G22), (1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, F25), (X5, F95), (X6, HY), (X6, F86))

Filling/bleeding the pneumatic suspension system ((X5, G05), (X3, G01), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F97), (X4, F98), (X5, F95), (X6, F86))

Initializing the gear sensor ((2 Ser., F46), (3 Ser., G20), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X1, F48))

Bleeding the fuel system ((3 Ser., G20), (X5, G05))

Resetting the central gateway module ((5 Ser., E61), (6 Ser., E63), (6 Ser., E64))

Filling/bleeding the diesel exhaust fluid line ((3 Ser., G21), (X3, G01), (2 Ser., F46), (3 Ser., F30), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X1, F48), (X3, F97), (X4, F98))

Resetting the DME adaptation values ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., F30), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64))



Diagnostic devices

Unlocking aux. heater/independent car heater ((X5, G05), (3 Ser., G21), (X3, G01), (1 Ser., E87), (3 Ser., E90), (3 Ser., G20), (3 Ser., E91), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, E83), (X3, F97), (X4, F98), (X6, HY), (X6, G06))

Bleeding the ABS/ESC system ((X2, F39), (2 Ser., F22), (8 Ser., G14))

Deactivating the service mode of SCR ECU ((3 Ser., F30), (X6, G06))

Adapting the variable camshaft timing ((3 Ser., G21), (2 Ser., F22), (3 Ser., G20), (3 Ser., F34), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98), (Z4, G29))

Resetting learned values of fuel pressure regulator ((1 Ser., E87), (3 Ser., E91), (X3, E83))

Bleeding the fuel system ((1 Ser., E87), (2 Ser., F46), (3 Ser., F30), (3 Ser., E91), (X1, F48), (X3, E83))

Reset fuel pump learning values ((1 Ser., E87))

Resetting transfer case adaptation values ((X6, G06))

Resetting the body control module ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (X6, HY))

Deactivating the transport mode ((X5, G05), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., F92), (8 Ser., F93))

Resetting engine adaptation values ((3 Ser., G20), (3 Ser., E91), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36))

Performing initial run-in of variable valve lift ((3 Ser., E90), (3 Ser., E91))

Initializing the turn signal front ((X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., F31), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98))

De-standardizing the tilt/slide sunroof ECU ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (X6, HY))

Request "Regenerate nitrogen oxide catalyst" ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64))

Adapting the electronic damper control ((X1, F48), (X2, F39), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X5, F95), (X6, F86))

Unlocking the electric auxiliary heater ((X5, G05), (3 Ser., G21), (X3, G01), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F97), (X4, F98), (X6, G06), (Z4, G29))

Resetting the shock absorber ECU ((5 Ser., E61), (6 Ser., E63), (6 Ser., E64))

De/activating the parking brake service mode ((X5, G05), (4 Ser., G22), (3 Ser., G20), (3 Ser., G21), (7 Ser., 7L), (8 Ser., G14), (8 Ser., F92), (8 Ser., F93), (X6, G06))

Reset learning values ((2 Ser., F22), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31))

Initializing the glow plugs ((2 Ser., F46), (X1, F48))

Activating the assembly position of the exhaust gas flap actuator ((3 Ser., G21), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (Z4, G29))

Initializing the angular offset between the crankshaft and camshaft ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (X1, F48), (X5, G05))

Clearing the list of stored Bluetooth devices ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X5, F95), (X6, HY), (X6, F86))



Diagnostic devices

Configuring the lane change assist ((3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, F25), (X5, F95), (X6, F86))

Initializing the ride height sensor ((X2, F39), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., E61), (X5, F95), (X6, F86))

Initializing the tilt/slide sunroof manually ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, E83), (X6, HY))

Unlocking aux. heater/independent car heater ((X1, F48), (X2, F39), (2 Ser., F22), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (8 Ser., G14), (X3, F25))

Standardizing the liftgate ((X5, G05), (3 Ser., G21), (X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., F31), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86), (X6, G06))

Learning the power windows ((1 Ser., E87), (2 Ser., F46), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, F25), (X5, F95), (X6, F86))

Reset fuel pump learning values ((3 Ser., G21))

Resetting learned values of swirl flap actuators ((1 Ser., E87), (3 Ser., E91), (X3, E83))

Bleeding the cooling system ((1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X1, F48), (X5, G05))

Adapting ETC components ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, E83), (X6, HY))

Replacing the particle filter ((1 Ser., E87), (2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., E91), (X1, F48), (X3, E83), (X3, F25), (X5, G05))

Adjusting the boost control rod ((3 Ser., G21), (3 Ser., G20), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98))

Adapting the N position sensor ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (X3, E83))

Initialize acceleration sensor ((Z4, G29))

Initializing the neutral position sensor ((X1, F48), (X2, F39), (2 Ser., F46))

Resetting the immobilizer ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, E83), (X6, HY))

Restarting the transmission ECU ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, E83), (X6, HY))

Replacing the lean NOx catalyst ((3 Ser., G20), (X5, G05))

Reactivating the ECU output after short circuit ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (X3, E83), (X6, HY))

Calibrating the parking brake ((X5, F95), (X6, F86))

Aiming the headlights for targeted lighting ((3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (X5, F95), (X6, F86))

Resetting the ECU ((X5, G05), (X1, F48), (X2, F39), (X3, G01), (1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, E83), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, HY), (X6, F86), (Z4, G29))



Diagnostic devices

Reset exhaust-gas aftertreatment learning values ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (X1, F48), (X5, G05))

Gearbox bleeding ((X1, F48), (X2, F39), (2 Ser., F46))

Resetting long-term adaptation values of diesel exhaust fluid dosing module ((3 Ser., G20), (X5, G05))

Calibrating the front camera ((2 Ser., F44), (4 Ser., G22), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, F25), (X5, F95), (X6, HY), (X6, F86))

Resetting the mixture adjustment ((8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98))

Initializing the air distribution flaps ((X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98), (X5, F95), (X6, F86))

Resetting learned values of NOx sensor ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64))

Resetting learned values of throttle valve actuator ((3 Ser., G21), (3 Ser., G20), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98), (Z4, G29))

Initializing the tilt/slide sunroof ((2 Ser., F22), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, F25), (X5, F95), (X6, F86))

Changing automatic transmission fluid ((X3, G01), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98))

Configuring the head-up display ((X1, F48), (X2, F39), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, F25))

Initializing the brake-pressure sensor ((2 Ser., F22))

Resetting the footwell module ECU ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (X6, HY))

Resetting gearbox learning values ((8 Ser., G15), (X5, G05), (3 Ser., G20), (8 Ser., G14), (X7, G07), (3 Ser., G21), (8 Ser., G16), (X6, G06), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, F25))

Resetting gearbox learning values ((X2, F39), (2 Ser., F22))

Activating the axle alignment mode for self-steering rear axle ((5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X5, F95), (X6, F86))

Moving the air distribution flaps to service position ((X5, G05), (3 Ser., G21), (X3, G01), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F97), (X4, F98), (X6, G06))

Resetting the valve stroke adaptation initialization values ((2 Ser., F45), (2 Ser., F46), (5 Ser., G31), (5 Ser., G30), (X2, F39), (3 Ser., G20), (3 Ser., G21), (5 Ser., G5L), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98), (Z4, G29))

Resetting learned values upon VTG oil change ((2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (X3, E83), (X6, HY))

Resetting learned values of light module ECU ((5 Ser., E61), (6 Ser., E63), (6 Ser., E64))

Learning the steering-angle sensor ((2 Ser., F22), (X6, HY))

Initialize minimum quantity deviation of the injectors ((X5, G05))

Initialize acceleration sensor ((3 Ser., F30), (3 Ser., G20), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36))

Initializing the lateral acceleration sensor ((X6, HY))



Diagnostic devices

- Resetting the quantity mean value adaptation ((1 Ser., E87), (3 Ser., G20), (3 Ser., E91), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, E83))
- Bleeding the brake system ((X3, G01), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G15), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86))
- Configuring the lane change assist ((X5, G05), (X3, G01), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98), (X6, G06))
- Actuating the assembly position of the EGR valve ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (X1, F48), (X5, G05))
- Initializing the variable valve lift ((Z4, G29), (3 Ser., G21), (1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F97), (X4, F98))
- EMF workshop mode ((2 Ser., F22), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (X6, HY))
- De/activating the parking brake service mode ((X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (8 Ser., G15), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86))
- Readdressing air distribution flaps ((X1, F48), (X2, F39), (2 Ser., F46), (4 Ser., F33), (X5, F95), (X6, F86))
- Resetting mass airflow sensor adaptation values ((1 Ser., E87), (3 Ser., E91), (X3, E83))
- Interchanged brake pipe check ((X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86))
- Moving the exhaust back pressure flap actuator to assembly position ((X5, G05))
- Resetting learned values of the transmission ECU ((X1, F48), (X3, G01), (1 Ser., E87), (2 Ser., F46), (3 Ser., E90), (3 Ser., E91), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (X3, E83), (X3, F97), (X4, F98), (X6, HY))
- Adapting the headlight motor ((X1, F48), (X2, F39), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, F25), (X5, F95), (X6, F86))
- Initializing the lateral acceleration sensor ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64))
- Calibrating the tire pressure monitoring system manually ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (X3, E83))
- Initializing pre-programmed keys ((X1, F48), (2 Ser., F46))
- Resetting the transport mode ((3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X3, F25))
- Resetting starter learning values ((2 Ser., F46), (X1, F48), (X5, F95))
- Activating the roller test stand mode ((3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X5, F95), (X6, F86))
- Initializing the overhead control panel ((2 Ser., F22), (X6, HY))
- Initializing the SCR system ((3 Ser., G21), (X3, G01), (3 Ser., F30), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98), (X5, F95))
- Activating the fuel pump ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X1, F48), (X5, G05))
- Reset equipment variant ((3 Ser., G20), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36))



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- Resetting EGR valve learning values ((1 Ser., E87), (2 Ser., F46), (3 Ser., F30), (3 Ser., E91), (X1, F48), (X3, E83), (X5, G05))
- Initializing the valve stroke adaptation ((2 Ser., F45), (2 Ser., F46), (5 Ser., G31), (5 Ser., G30), (X2, F39), (3 Ser., G20), (Z4, G29), (3 Ser., G21), (5 Ser., G5L))
- Resetting the mixture adjustment ((3 Ser., G21), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (Z4, G29))
- Resetting the pulse-generator ring adaptation ((3 Ser., G21), (2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X1, F48), (X3, F97), (X4, F98), (X5, G05), (Z4, G29))
- Resetting the EGS oil change ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, E83), (X6, HY))
- Draining/filling the refrigerant circuit ((X5, G05), (3 Ser., G21), (3 Ser., G20), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X6, G06))
- Resetting the overhead control panel ECU ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (X6, HY))
- Initializing the sunroof actuator ((X1, F48))
- Calibrating the steering-angle sensor ((X1, F48), (X2, F39), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (X3, F25))
- Resetting the start inhibitor of DEF injection system ((3 Ser., G20), (X5, G05))
- Resetting learned values of NOx adsorption catalyst ((3 Ser., E91))
- Learning the steering-angle sensor ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64))
- Initializing the tilt/slide sunroof ((X3, G01), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X3, F97), (X4, F98))
- Bleeding the electronic stability control ((5 Ser., E61), (6 Ser., E63), (6 Ser., E64))
- Resetting transfer case adaptation values ((X5, G05), (3 Ser., G21), (X1, F48), (X2, F39), (X3, G01), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, E83), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, HY), (X6, F86))
- Resetting learned values of the DEF injection system ((3 Ser., G21), (X3, G01), (2 Ser., F46), (3 Ser., F30), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X1, F48), (X3, F97), (X4, F98), (X5, F95))
- Bleeding the ABS/ESC system ((1 Ser., E87), (2 Ser., F46), (3 Ser., E90), (3 Ser., E91), (X6, HY))
- Adjusting the xenon headlight ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64))
- Setting vehicle into sleep mode ((X5, G05), (X1, F48), (X2, F39), (X3, G01), (2 Ser., F22), (2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., F31), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86), (Z4, G29))
- Initializing the brake-pressure sensor ((1 Ser., E87), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X6, HY))
- Adapting the induction system ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (X1, F48), (X5, G05))
- Special bleeding ((X1, F48), (X3, E83))



Diagnostic devices

Calibrating the radar sensor ((X5, G05), (3 Ser., G21), (2 Ser., F44), (X1, F48), (X2, F39), (X3, G01), (4 Ser., G22), (2 Ser., F22), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, HY), (X6, F86), (X6, G06), (Z4, G29))

Calibrating the front camera ((X5, G05), (3 Ser., G21), (X1, F48), (X2, F39), (X3, G01), (2 Ser., F22), (3 Ser., G20), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (8 Ser., F92), (8 Ser., F93), (X3, F97), (X4, F98), (X6, G06), (Z4, G29))

Initializing the adaptive suspension control ((X3, F25))

De-energizing the hybrid/electric vehicle ((X6, HY))

Adapt shifting speed regulation ((2 Ser., F46), (3 Ser., F30), (3 Ser., G20), (3 Ser., G21), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (X1, F48))

Resetting the error counter of the steering column locking ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X6, HY))

Calibrating the rearview camera/all-round vision camera ((X5, G05), (X1, F48), (X2, F39), (X3, G01), (2 Ser., F46), (3 Ser., F30), (3 Ser., F34), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, F86), (X6, G06))

Calibrating the tire pressure monitoring system ((5 Ser., E61), (6 Ser., E63), (6 Ser., E64))

Resetting differential pressure sensor learning values ((Z4, G29))

Codings

Registering the battery ((7 Ser., G11), (7 Ser., G12), (8 Ser., G15), (3 Ser., G20), (X5, G05), (8 Ser., G14), (3 Ser., G21), (8 Ser., G16), (X1, F48), (X2, F39), (X3, G01), (1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., F92), (8 Ser., F93), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X6, HY), (X6, F86), (X6, G06), (Z4, G29))

Deactivating/activating the transport mode ((5 Ser., G30), (5 Ser., G5L), (7 Ser., 7L), (X4, F98))

Coding the idle rpm ((3 Ser., G21), (X1, F48), (X2, F39), (X3, G01), (1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., G30), (5 Ser., G5L), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., G14), (8 Ser., G15), (X3, F25), (X3, F97), (X4, F98), (X5, F95), (X5, G05), (X6, HY))

Coding the radio remote control ((1 Ser., E87), (2 Ser., F22), (3 Ser., E90), (3 Ser., E91), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X6, HY))

Coding injectors ((X1, F48), (X2, F39), (1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., F30), (3 Ser., G20), (3 Ser., F34), (3 Ser., E91), (3 Ser., F31), (4 Ser., F33), (4 Ser., F32), (4 Ser., F36), (5 Ser., E61), (6 Ser., E63), (6 Ser., E64), (X3, E83), (X3, F25), (X5, F95), (X5, G05))

Coding the EGR valve ((3 Ser., F30), (X5, F95))

Deactivating the transport mode ((X3, G01), (X3, F97))

Service resets

(1 Ser., E87), (2 Ser., F22), (2 Ser., F46), (3 Ser., E90), (3 Ser., E91), (3 Ser., F30), (3 Ser., F31), (3 Ser., F34), (3 Ser., G20), (3 Ser., G21), (4 Ser., F32), (4 Ser., F33), (4 Ser., F36), (5 Ser., E61), (5 Ser., G30), (6 Ser., E63), (6 Ser., E64), (7 Ser., 7L), (8 Ser., F92), (8 Ser., F93), (8 Ser., G14), (8 Ser., G15), (X1, F48), (X2, F39), (X3, E83), (X3, F25), (X3, F97), (X3, G01), (X4, F98), (X5, F95), (X5, G05), (X6, HY), (X6, F86), (X6, G06), (X7, G07), (Z4, G29))



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Diagnostic devices



Dacia

- | **Trouble codes** (Logan-I, LS0R), (Sandero-I, BS0R)
- | **Parameters** (Logan-I, LS0R), (Sandero-I, BS0R)
- | **Actuators** (Logan-I, B8MG)
- | **Basic settings**
- | **Codings**
- | **Service resets**

DS Automobiles

- | **Trouble codes** (- OBD -, E-OBD), (OBD Schnellstart, E-OBD)
- | **Parameters** (- OBD -, E-OBD), (OBD Schnellstart, E-OBD)
- | **Actuators**
- | **Basic settings**
- | **Codings**
- | **Service resets**

Fiat

- | **Trouble codes** (500L (330), 330), (500X (334), 334), (Doblo (152/263), 263), (Ducato-VI (290), 290 (EU5)), (Ducato-VI (290), 290 (EU6))
- | **Parameters** (500L (330), 330), (500X (334), 334), (Doblo (152/263), 263), (Ducato-VI (290), 290 (EU5)), (Ducato-VI (290), 290 (EU6))
- | **Actuators** (500X (334), 334), (Doblo (152/263), 263)
- | **Basic settings**
 - Initializing the high-pressure EGR valve ((Doblo (152/263), 263), (500X (334), 334))
 - Initializing the clutch pedal position ((Doblo (152/263), 263), (500X (334), 334))
 - Learning the lambda sensor ((500X (334), 334))
 - Initialising the particle filter ((500X (334), 334))
 - Initializing the differential pressure sensor ((500X (334), 334))
 - Initializing the temperature sensor downstream SCR catalyst ((Doblo (152/263), 263))
 - Initializing the fuel high-pressure sensor ((Doblo (152/263), 263))
 - Resetting mass airflow sensor adaptation values ((Doblo (152/263), 263), (500X (334), 334))



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- Resetting engine adaptation values ((Doblo (152/263), 263))
- Learning the throttle valve ((Doblo (152/263), 263))
- Resetting engine adaptation values of auxiliary aggregates/systems ((Doblo (152/263), 263))
- Initializing the alternator ((Doblo (152/263), 263))
- Initializing the adaptive cruise control ((Tipo (356), 356))
- Regenerating the soot particulate filter ((Doblo (152/263), 263), (500X (334), 334))
- Initializing the low pressure EGR valve ((500X (334), 334))
- Replacing the lambda probe ((Doblo (152/263), 263))
- Replacing the differential pressure sensor ((Doblo (152/263), 263))
- Initializing the fuel high-pressure sensor ((500X (334), 334))
- Adapting the temperature sensor before SCR catalyst ((Doblo (152/263), 263))
- Initializing the neutral position sensor ((Doblo (152/263), 263), (500X (334), 334))

- | **Codings**
 - Coding injectors ((500X (334), 334))
 - Coding injectors ((Doblo (152/263), 263), (500X (334), 334))
- | **Service resets**
 - (Doblo (152/263), 263)

Ford

- | **Trouble codes**
 - (Ecosport, JK8), (Focus 06, HN), (Kuga 03, DFK), (Mondeo 05, BA7-CNG), (Mustang 06, LAE), (Puma 02, J2K)
- | **Parameters**
 - (Focus 06, HN), (Kuga 03, DFK), (Mondeo 05, BA7-CNG), (Mustang 06, LAE), (Puma 02, J2K), (Ranger 05, 2AB)
- | **Actuators**
- | **Basic settings**
 - Adapting the longitudinal acceleration sensor ((Mustang 06, LAE))
 - Calibrating the lane departure warning system camera ((Mustang 06, LAE), (Kuga 03, DFK), (Puma 02, J2K))
 - Teach-in battery sensor module ((Kuga 03, DFK), (Puma 02, J2K))
- | **Codings**
- | **Service resets**

Hyundai

- | **Trouble codes**
 - (H-1 / Starex, TQ), (i10, IA), (i20, PB), (i30 / i30cw, FD), (ix20, JC)
- | **Parameters**
 - (H-1 / Starex, TQ), (i10, IA), (i20, PB), (i30 / i30cw, FD), (ix20, JC)



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Diagnostic devices



Actuators	(i10, IA), (i20, PB), (i30 / i30cw, FD), (ix20, JC)
Basic settings	<p>Replacing the fuel pressure sensor ((i30 / i30cw, FD))</p> <p>Resetting engine adaptation values ((Tucson, TL), (i10, IA))</p> <p>Initializing the high-pressure fuel pump ((i20, GB))</p> <p>Learning the lambda sensor ((i20, GB), (ix20, JC))</p> <p>Bleeding the fuel system ((ix20, JC))</p> <p>Adapting the diesel exhaust fluid tank ((H-1 / Starex, TQ), (Tucson, TL), (Santa Fe, TM))</p> <p>Resetting oxygen sensor adaptation values ((i30 / i30cw, FD))</p> <p>Initializing the fuel high-pressure sensor ((i20, GB), (ix20, JC))</p> <p>Initializing the differential pressure sensor ((i20, GB), (ix20, JC))</p> <p>After particulate filter replacement ((i30 / i30cw, FD))</p> <p>Initializing the swirl control valve ((i30 / i30cw, FD))</p> <p>Initializing the mass airflow sensor ((i30 / i30cw, FD), (i20, GB), (ix20, JC))</p> <p>Learning the turbocharger ((ix20, JC))</p> <p>Calibrating the camera ECU ((i10, IA))</p> <p>Resetting learned values of NOx adsorption catalyst ((i20, GB))</p> <p>Adapting the longitudinal acceleration sensor ((i10, IA))</p> <p>Reset learning values ((i30 / i30cw, FD), (i20, PB))</p> <p>Regenerating the soot particulate filter ((i30 / i30cw, FD), (ix20, JC))</p> <p>Resetting gearbox learning values ((i10, IA))</p> <p>Learning the throttle valve ((i20, GB), (ix20, JC))</p> <p>Teach-in clutch system ((Tucson, TL), (Veloster, FS), (i40 / i40cw, VF))</p> <p>Adapting the accelerator sensor ((ix20, JC))</p> <p>Initializing the swirl flap ((ix20, JC))</p> <p>Filling/bleeding the diesel exhaust fluid line ((H-1 / Starex, TQ), (Tucson, TL), (Santa Fe, TM))</p> <p>Initializing the diesel exhaust fluid pump module ((H-1 / Starex, TQ), (Tucson, TL), (Santa Fe, TM))</p> <p>Initializing the brake-pressure sensor ((i10, IA))</p> <p>Replacing the particle filter ((i20, GB), (ix20, JC))</p> <p>Initializing the lateral acceleration sensor ((i10, IA))</p> <p>Initializing the EGR valve ((i20, GB), (ix20, JC))</p> <p>Bleeding the ABS hydraulic unit ((i10, IA))</p> <p>Initializing the diesel exhaust fluid injector ((H-1 / Starex, TQ), (Tucson, TL), (Santa Fe, TM))</p> <p>Learning the steering-angle sensor ((i10, IA))</p> <p>Resetting differential pressure sensor learning values ((i30 / i30cw, FD))</p>



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Diagnostic devices



- | **Codings** Coding injectors ((ix20, JC))
Coding the wheel valves ((i10, IA))
- | **Service resets** (i10, AC3), (i10, IA)

Kia

- | **Trouble codes** (Niro, DE HEV), (Sorento, UM), (Soul, PS), (Stinger, CK)
- | **Parameters** (Niro, DE HEV), (Sorento, UM), (Soul, PS), (Stinger, CK)
- | **Actuators** (Niro, DE HEV), (Sorento, UM), (Soul, PS)
- | **Basic settings** Initializing the diesel exhaust fluid pump module ((Sportage, QL), (Stinger, CK))
Initializing ride height sensors ((Sorento, UM))
Filling/bleeding the diesel exhaust fluid line ((Sportage, QL), (Stinger, CK))
Resetting throttle valve adaptation values ((Soul, PS))
Learning the turbocharger ((Soul, PS))
Resetting the swirl flap adaptation values ((Soul, PS))
Adapting the accelerator sensor ((Soul, PS))
Resetting mass airflow sensor adaptation values ((Soul, PS))
Learning the lambda sensor ((Soul, PS))
Replacing the particle filter ((Soul, PS))
Regenerating the soot particulate filter ((Soul, PS))
Initializing the diesel exhaust fluid injector ((Sportage, QL), (Stinger, CK))
Bleeding the fuel system ((Soul, PS))
Adapting the diesel exhaust fluid tank ((Sportage, QL), (Stinger, CK))
Resetting EGR valve learning values ((Soul, PS))
Initializing the fuel high-pressure sensor ((Soul, PS))
Initializing the differential pressure sensor ((Soul, PS))

- | **Codings** Coding injectors ((Soul, PS))
- | **Service resets** (Stonic, YB)

Lexus

- | **Trouble codes** (NX, AGZ10L), (NX, AGZ15L), (NX, AYZ10L), (NX, AYZ15L), (RX, AGL20), (RX, AGL25), (RX, AGZ20), (RX, AGZ25), (RX, GGL20), (RX, GGL25), (RX, GYL20), (RX, GYL25), (RX, GYL26), (UX, MZAH10)
- | **Parameters** (NX, AGZ10L), (NX, AYZ10L), (NX, AYZ15L), (UX, MZAH10)



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Diagnostic devices



Actuators	(NX, AYZ10L), (NX, AYZ15L), (UX, MZAH10)
Basic settings	<p>Deactivating the electronic stability control ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Initializing the yaw rate sensor ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Resetting catalyst adaptation values ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Adjusting the headlights ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Initializing the air distribution flaps ((RX, AGZ20), (RX, AGZ25))</p> <p>De/activating the electric parking brake service mode ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Calibrating the radar sensor ((NX, AGZ10L), (NX, AGZ15L), (RX, GGL20), (RX, GGL25), (RX, GYL20), (RX, GYL25), (RX, AGZ20), (RX, AGZ25), (RX, GYL26), (RX, AGL20), (RX, AGL25), (NX, AYZ10L), (NX, AYZ15L))</p> <p>Calibrating the camera ECU ((NX, AGZ10L), (NX, AGZ15L), (NX, AYZ10L), (NX, AYZ15L))</p> <p>Bleeding the brake system ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Resetting adaptation values of ABS ECU ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Configuring the lane change assist ((NX, AYZ10L), (NX, AYZ15L))</p>
Codings	<p>Coding the comfort opening/closing system ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Coding the interior lighting ((NX, AYZ10L), (NX, AYZ15L))</p> <p>Coding the wheel valves ((NX, AYZ10L), (NX, AYZ15L))</p>
Service resets	
 MAN	
Trouble codes	(- OBD -, E-OBD), (OBD Schnellstart, E-OBD), (TGE, UY)
Parameters	(- OBD -, E-OBD), (OBD Schnellstart, E-OBD), (TGE, UY)
Actuators	(TGE, UY)
Basic settings	<p>Initializing the adaptive cruise control ((TGE, UY))</p> <p>Initializing the ESC sensors ((TGE, UY))</p> <p>Learning the steering-angle sensor ((TGE, UY))</p> <p>Calibrating the camera ECU ((TGE, UY))</p> <p>Initialize 4WD clutch oil pump ((TGE, UZ), (TGE, UY))</p> <p>Resetting the impact mode ((TGE, UY))</p>



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Diagnostic devices

- | **Codings**
 - Adjust parking assistance volume ((TGE, UY))
 - General ECU replacement ((TGE, UY))
 - Coding the language version ((TGE, UY))
 - Registering the battery ((TGE, UY))
 - Expert mode ECU coding ((TGE, UY))
 - Coding the rain/light sensor ((TGE, UY))
 - Deactivating/activating the transport mode ((TGE, UY))
 - Coding the trailer detection ((TGE, UY))
 - Adapting the trailer hitch to advanced driver assistance systems ((TGE, UY))
 - De/activating the trailer hitch ((TGE, UY))
 - Coding the gateway installation list ((TGE, UY))

- | **Service resets**
 - (TGE, UY)

- Mazda**

- | **Trouble codes**
 - (CX-5, KF)
- | **Parameters**
 - (CX-5, KF)
- | **Actuators**
 - (CX-5, KF)
- | **Basic settings**
 - Initializing the lateral acceleration sensor ((CX-5, KF))
 - Initializing the yaw rate sensor ((CX-5, KF))
 - Resetting adaptation values of the short-range radar ((CX-5, KF))
 - Calibrating the camera ECU ((CX-5, KF))
 - Calibrating the camera ((CX-5, KF))
 - Adapting the longitudinal acceleration sensor ((CX-5, KF))
 - Initializing the adaptive cruise control ((CX-5, KF))
 - Initializing the brake-pressure sensor ((CX-5, KF))
 - Configuring the lane change assist ((CX-5, KF))
 - Resetting headlight leveling adaptation values ((CX-5, KF))

- | **Codings**
 - Coding the traction control system ((CX-5, KF))
- | **Service resets**



Diagnostic devices

Mercedes

- | **Trouble codes** (A-Klasse, 177003), (B-Klasse, 247045), (C-Klasse, 205477), (C-Klasse, 205009), (CLA-Klasse, 118384), (CLS-Klasse, 257321), (E-Klasse, 213), (EQC, 293890,293891), (G-Klasse, 463276), (GLA-Klasse, 247746), (GLC-Klasse, 253905), (GLE-Klasse, 167119), (GLS-Klasse, 167921), (Sprinter, 910040,910141,910143,910143,910641,910643), (V-Klasse, 447601,447603,447605,447701,447703,447705)
- | **Parameters** (B-Klasse, 247045), (E-Klasse, 213), (G-Klasse, 463277), (GLA-Klasse, 247746), (GLC-Klasse, 253923), (V-Klasse, 447601,447603,447605,447701,447703,447705)
- | **Actuators** (E-Klasse, 213), (G-Klasse, 463277), (GLA-Klasse, 247712), (GLC-Klasse, 253923), (V-Klasse, 447601,447603,447605,447701,447703,447705)
- | **Basic settings**

Learning the intake port shut-off ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the adaptive cruise control ((GLC-Klasse, 253905), (GLC-Klasse, 253946), (GLC-Klasse, 253909), (GLC-Klasse, 253949), (GLC-Klasse, 253954), (GLC-Klasse, 253964), (GLC-Klasse, 253303,253305), (GLC-Klasse, 253309), (GLC-Klasse, 253301), (GLC-Klasse, 253325), (GLC-Klasse, 253346), (GLC-Klasse, 253349), (GLC-Klasse, 253364), (GLC-Klasse, 253354), (GLC-Klasse, 253904), (GLC-Klasse, 253901), (C-Klasse, 205477), (C-Klasse, 205377), (C-Klasse, 205314), (C-Klasse, 205378), (C-Klasse, 205064), (C-Klasse, 205464), (C-Klasse, 205364), (C-Klasse, 205264), (C-Klasse, 205483), (C-Klasse, 205383), (GLE-Klasse, 167119), (GLE-Klasse, 167121), (GLE-Klasse, 167123), (GLE-Klasse, 167148), (GLE-Klasse, 167149), (GLE-Klasse, 167159), (GLS-Klasse, 167921), (GLS-Klasse, 167923), (GLS-Klasse, 167959), (C-Klasse, 205418), (C-Klasse, 205340), (C-Klasse, 205440), (C-Klasse, 205318), (C-Klasse, 205466), (C-Klasse, 205066), (C-Klasse, 205240), (C-Klasse, 205044), (C-Klasse, 205216), (C-Klasse, 205019), (C-Klasse, 205266), (C-Klasse, 205040), (C-Klasse, 205018), (C-Klasse, 205016), (EQC, 293890,293891), (GLS-Klasse, 167986), (C-Klasse, 205075), (C-Klasse, 205076), (C-Klasse, 205476), (C-Klasse, 205376), (C-Klasse, 205276), (GLC-Klasse, 253323), (GLC-Klasse, 253923), (GLE-Klasse, 167161), (GLB-Klasse, 247610), (GLB-Klasse, 247612), (GLB-Klasse, 247613), (GLB-Klasse, 247615), (GLB-Klasse, 247687), (GLB-Klasse, 247647), (GLB-Klasse, 247651), (GLB-Klasse, 247646), (GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253925), (A-Klasse, 177003), (A-Klasse, 177046), (A-Klasse, 177087), (C-Klasse, 205078), (C-Klasse, 205077), (C-Klasse, 205014), (C-Klasse, 205214), (C-Klasse, 205278), (C-Klasse, 205414), (C-Klasse, 205478), (C-Klasse, 205277), (GLC-Klasse, 253388), (GLC-Klasse, 253988), (GLC-Klasse, 253989), (GLC-Klasse, 253389), (GLC-Klasse, 253943), (G-Klasse, 463276), (C-Klasse, 205000), (C-Klasse, 205001), (C-Klasse, 205011), (C-Klasse, 205015), (C-Klasse, 205083), (C-Klasse, 205200), (C-Klasse, 205201), (C-Klasse, 205211), (C-Klasse, 205283), (A-Klasse, 177082), (A-Klasse, 177084), (A-Klasse, 177044), (A-Klasse, 177045), (A-Klasse, 177047), (A-Klasse, 177012), (A-Klasse, 177014), (A-Klasse, 177145), (A-Klasse, 177147), (A-Klasse, 177151), (C-Klasse, 205401), (C-Klasse, 205411), (C-Klasse, 205487), (C-Klasse, 205486), (C-Klasse, 205415), (C-Klasse, 205301), (C-Klasse, 205311), (C-Klasse, 205386), (C-Klasse, 205387), (C-Klasse, 205244), (C-Klasse, 205287), (C-Klasse, 205286), (C-Klasse, 205218), (C-Klasse, 205219), (C-Klasse, 205086), (C-Klasse, 205087), (B-Klasse, 247045), (B-Klasse, 247047), (B-Klasse, 247082), (B-Klasse, 247084), (B-Klasse, 247003), (B-Klasse, 247087), (B-Klasse, 247012), (B-Klasse, 247014), (CLA-Klasse, 118384), (CLA-Klasse, 118303), (CLA-Klasse, 118312), (CLA-Klasse, 118314), (CLA-Klasse, 118344), (CLA-Klasse, 118345), (CLA-Klasse, 118346), (CLA-Klasse, 118347), (CLA-Klasse, 118351), (CLA-Klasse, 118353), (CLA-Klasse, 118354), (CLA-Klasse, 118387), (B-Klasse, 247015), (B-Klasse, 247013), (B-Klasse, 247002), (B-Klasse, 247046), (C-Klasse, 205013), (C-Klasse, 205084), (C-Klasse, 205213), (C-Klasse, 205284), (CLA-Klasse, 118651), (CLA-Klasse, 118684), (CLA-Klasse, 118603),



Diagnostic devices

(CLA-Klasse, 118687), (CLA-Klasse, 118612), (CLA-Klasse, 118644), (CLA-Klasse, 118614), (CLA-Klasse, 118646), (CLA-Klasse, 118647), (C-Klasse, 205319), (C-Klasse, 205315), (C-Klasse, 205275), (GLC-Klasse, 253380), (C-Klasse, 205384), (C-Klasse, 205484), (A-Klasse, 177086), (A-Klasse, 177186), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (CLA-Klasse, 118615), (B-Klasse, 247086), (G-Klasse, 463277), (G-Klasse, 463349), (G-Klasse, 463350))

Learning the power windows ((GLC-Klasse, 253923), (GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (G-Klasse, 463277), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

HFM drift compensation ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Activating the fuel pump ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting the counter for headlight cooling fan operating hours ((E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Initializing the oxidation catalyst upon engine ECU replacement ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the oxidation catalyst ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Learning the lambda sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the steering angle sensor manually ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349))

Reset exhaust-gas aftertreatment learning values ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349))

Bleeding the fuel system ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initialize tire pressure sensors ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349))

Initializing the fuel pressure sensor or the fuel rail ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))



Diagnostic devices

Initializing the differential pressure sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the high-pressure EGR valve ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting the fuel low pressure adaptation values ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the soot particulate filter upon engine ECU replacement ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting long-term adaptation values of diesel exhaust fluid dosing module ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Adapting the pressure-regulating valve ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the mass airflow sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the boost pressure regulator ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting the counter for headlight operating hours ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Resetting learned values of NOx sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the soot particulate filter ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Fill the DEF tank ((C-Klasse, 204200), (E-Klasse, 212003), (E-Klasse, 212025), (E-Klasse, 207425), (E-Klasse, 207302), (E-Klasse, 207303), (E-Klasse, 207422), (E-Klasse, 207322), (E-Klasse, 212205), (E-Klasse, 212202), (E-Klasse, 212203), (E-Klasse, 212225), (E-Klasse, 212224), (E-Klasse, 212289), (E-Klasse, 212005), (E-Klasse, 212002), (E-Klasse, 212024), (E-Klasse, 212089), (C-Klasse, 204282), (C-Klasse, 204292), (C-Klasse, 204082), (C-Klasse, 204092), (E-Klasse, 207402), (E-Klasse, 207403), (E-Klasse, 212222), (C-Klasse, 204203),



Diagnostic devices

(C-Klasse, 204220), (C-Klasse, 204225), (C-Klasse, 204223), (C-Klasse, 204000), (C-Klasse, 204022), (GLK-Klasse, 204901), (GLK-Klasse, 204984), (GLK-Klasse, 204982), (GLK-Klasse, 204992), (GLK-Klasse, 204983), (C-Klasse, 204086), (C-Klasse, 204286), (GLK-Klasse, 204999), (E-Klasse, 212284), (E-Klasse, 212020), (C-Klasse, 204302), (C-Klasse, 204023), (E-Klasse, 212223), (C-Klasse, 204020), (E-Klasse, 212227), (E-Klasse, 212277), (E-Klasse, 212098), (E-Klasse, 212226), (E-Klasse, 212294), (E-Klasse, 212026), (C-Klasse, 204284), (C-Klasse, 204084), (GLK-Klasse, 204984,204997), (GLK-Klasse, 204997), (E-Klasse, 212094), (GLK-Klasse, 204904), (GLK-Klasse, 204993), (E-Klasse, 212021), (E-Klasse, 212084), (GLK-Klasse, 204997,204984), (GLK-Klasse, 204986), (GLA-Klasse, 156908), (GLA-Klasse, 156903), (GLA-Klasse, 156902), (GLA-Klasse, 156905), (E-Klasse, 207301), (E-Klasse, 212204), (E-Klasse, 212201), (E-Klasse, 212001), (E-Klasse, 212006), (E-Klasse, 212003,212203), (E-Klasse, 212027,212227), (E-Klasse, 212004), (E-Klasse, 212027), (E-Klasse, 207426), (E-Klasse, 207403,207404), (E-Klasse, 207401), (E-Klasse, 207401,207402), (E-Klasse, 207326), (C-Klasse, 205009), (C-Klasse, 205036), (C-Klasse, 205037), (C-Klasse, 205012), (C-Klasse, 205008), (C-Klasse, 205004), (C-Klasse, 205204), (C-Klasse, 205003), (C-Klasse, 205007), (E-Klasse, 212011), (GLE-Klasse, 166004), (GLE-Klasse, 166024), (GLE-Klasse, 166006), (GLE-Klasse, 292324), (C-Klasse, 205207), (C-Klasse, 205208), (C-Klasse, 205209), (C-Klasse, 205237), (C-Klasse, 205212), (GLC-Klasse, 253905), (GLC-Klasse, 253909), (C-Klasse, 205304), (C-Klasse, 205308), (C-Klasse, 205005), (C-Klasse, 205205), (E-Klasse, 207304), (E-Klasse, 212220,212221), (C-Klasse, 205405), (C-Klasse, 205408), (C-Klasse, 205404), (C-Klasse, 205305), (C-Klasse, 205309), (GLC-Klasse, 253303,253305), (GLC-Klasse, 253309), (GLC-Klasse, 253301), (GLC-Klasse, 253325), (GLC-Klasse, 253904), (GLC-Klasse, 253901), (E-Klasse, 212211), (E-Klasse, 238314), (E-Klasse, 238334), (E-Klasse, 238315), (E-Klasse, 238414), (C-Klasse, 205314), (E-Klasse, 238318), (E-Klasse, 213023), (E-Klasse, 238418), (GLE-Klasse, 167119), (GLE-Klasse, 167121), (GLE-Klasse, 167123), (GLS-Klasse, 167921), (GLS-Klasse, 167923), (C-Klasse, 205418), (C-Klasse, 205318), (C-Klasse, 205216), (C-Klasse, 205019), (C-Klasse, 205018), (C-Klasse, 205016), (GLC-Klasse, 253323), (GLC-Klasse, 253923), (GLB-Klasse, 247610), (GLB-Klasse, 247612), (GLB-Klasse, 247613), (GLB-Klasse, 247615), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253349), (ML-Klasse, 166004), (ML-Klasse, 166024), (CLS-Klasse, 218323), (G-Klasse, 463340,463341), (C-Klasse, 204289), (C-Klasse, 204089), (C-Klasse, 204222), (G-Klasse, 463341), (B-Klasse, 246200), (GLK-Klasse, 204902), (G-Klasse, 463340), (G-Klasse, 463303), (B-Klasse, 246201), (C-Klasse, 204202), (C-Klasse, 204201), (C-Klasse, 204025), (C-Klasse, 204001), (C-Klasse, 204002), (G-Klasse, 463041), (E-Klasse, 212282), (E-Klasse, 212293), (E-Klasse, 212023), (E-Klasse, 212082), (E-Klasse, 212093), (G-Klasse, 463306), (G-Klasse, 463346), (CLS-Klasse, 218303), (E-Klasse, 207423), (C-Klasse, 204303), (E-Klasse, 207323), (C-Klasse, 204003), (CLS-Klasse, 218393), (SLK/SLC-Klasse, 172403), (A-Klasse, 176012), (A-Klasse, 176001), (C-Klasse, 204008), (GLK-Klasse, 204984,204997), (A-Klasse, 176000), (A-Klasse, 176003), (B-Klasse, 246212), (B-Klasse, 246203), (CLS-Klasse, 218993), (GL-Klasse, 166824), (CLS-Klasse, 218326), (CLA-Klasse, 117303), (CLS-Klasse, 218923), (CLS-Klasse, 218903), (E-Klasse, 212298), (A-Klasse, 176), (A-Klasse, 176005), (A-Klasse, 176002), (B-Klasse, 246211), (A-Klasse, 176008), (S-Klasse, 222004,222104), (S-Klasse, 222032,222132), (S-Klasse, 222033,222133), (CLS-Klasse, 218394), (A-Klasse, 176011), (CLS-Klasse, 218397), (CLS-Klasse, 218301), (CLS-Klasse, 218304), (CLA-Klasse, 117302), (CLA-Klasse, 117305), (CLA-Klasse, 117308), (CLA-Klasse, 117312), (CLA-Klasse, 117301), (E-Klasse, 212082,212282), (E-Klasse, 212205,212206), (E-Klasse, 212002,212202), (E-Klasse, 212297), (V-Klasse, 447601,447603,447605,447701,447703,447705), (V-Klasse, 447701,447703,447705), (V-Klasse, 447703,447701), (V-Klasse, 447803,447801), (V-Klasse, 447813,447811,447815,447.701,447703,447705), (V-Klasse, 447813,447701,447703,447705,447811,447815), (V-Klasse, 447813), (V-Klasse, 447813,447811,447815), (V-Klasse, 447813,447811,477815), (B-Klasse, 246208), (C-Klasse,), (C-Klasse, 204), (ML-Klasse, 166), (GL-Klasse, 166823,166824), (GLA-Klasse, 156912), (B-Klasse, 246205), (B-Klasse, 246202), (CLS-Klasse, 218926), (SLK/SLC-Klasse, 172404), (CLA-Klasse, 117905), (CLA-Klasse, 117902), (CLA-Klasse, 117903), (CLA-Klasse, 117912), (V-Klasse, 447811,447813,447815,447801,447803), (V-Klasse, 447705,447701,447703), (V-Klasse, 447811,477813,447801,447803), (V-Klasse, 447815,447813,447811), (V-Klasse, 447811,447813,447815), (V-Klasse, 447811,447813), (V-Klasse,



Diagnostic devices

447811,447813,447801,447803), (CLS-Klasse, 218997), (E-Klasse, 213004), (C-Klasse, 205), (CLS-Klasse, 218901), (E-Klasse, 212097), (V-Klasse, 447705), (V-Klasse, 447701,447702,447703,447704,447705), (V-Klasse, 447811,447812,447813,447814,447815), (G-Klasse, 463348), (V-Klasse, 447801,447803,447811,477813), (C-Klasse, 205236), (V-Klasse, 447711,447713,447701,447703), (V-Klasse, 447815,447811,447813), (V-Klasse, 447711,447713), (E-Klasse, 213204), (E-Klasse, 213031), (E-Klasse, 213033), (CLS-Klasse, 218994), (E-Klasse, 213005,213017), (C-Klasse, 205203), (V-Klasse, 447701,447703), (E-Klasse, 213013), (E-Klasse, 213205,213217), (E-Klasse, 213237), (E-Klasse, 213237,213234), (E-Klasse, 213213), (E-Klasse, 213231,213233), (E-Klasse, 213034), (E-Klasse, 213034,213037), (E-Klasse, 213104), (E-Klasse, 213131), (E-Klasse, 213205), (E-Klasse, 213234), (CLA-Klasse, 117908), (GLC-Klasse, 253925), (V-Klasse, 447), (E-Klasse, 238434), (S-Klasse, 222035,222135), (A-Klasse, 177003), (C-Klasse, 205014), (C-Klasse, 205214), (C-Klasse, 205414), (E-Klasse, 213008), (E-Klasse, 213208), (S-Klasse, 222021,222121), (S-Klasse, 222020,222120), (S-Klasse, 222034,222134), (E-Klasse, 238415), (CLS-Klasse, 257321), (CLS-Klasse, 257323), (C-Klasse, 205000), (C-Klasse, 205001), (C-Klasse, 205011), (C-Klasse, 205015), (C-Klasse, 205200), (C-Klasse, 205201), (C-Klasse, 205211), (X-Klasse, 470252), (V-Klasse, 639/2), (A-Klasse, 177012), (A-Klasse, 177014), (C-Klasse, 205401), (C-Klasse, 205411), (C-Klasse, 205415), (C-Klasse, 205301), (C-Klasse, 205311), (C-Klasse, 205218), (E-Klasse, 213012), (E-Klasse, 213016), (E-Klasse, 213022), (E-Klasse, 213020,213024), (CLS-Klasse, 257320), (B-Klasse, 247003), (B-Klasse, 247012), (B-Klasse, 247014), (CLA-Klasse, 118303), (CLA-Klasse, 118312), (CLA-Klasse, 118314), (X-Klasse, 471210), (X-Klasse, 471230), (X-Klasse, 471231), (X-Klasse, 471252), (B-Klasse, 247015), (B-Klasse, 247013), (B-Klasse, 247002), (CLS-Klasse, 257318), (V-Klasse, 447701,447703,447705), (B-Klasse, 246), (C-Klasse, 205013), (C-Klasse, 205213), (CLA-Klasse, 118603), (CLA-Klasse, 118612), (CLA-Klasse, 118614), (C-Klasse, 205315), (V-Klasse, 447703), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (E-Klasse, 213011), (E-Klasse, 213), (E-Klasse, 213211), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting air filter learned values ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the low pressure EGR valve ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting counter for synchronization loss of crankshaft/camshaft ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Learning throttle valve stop ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting learned values of camshaft sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Adapting the SCR catalyst upon replacement ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))



Diagnostic devices

Adapting the temperature sensor before SCR catalyst ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Regenerating the soot particulate filter during driving ((GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting adaptation values of the short-range radar ((GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247))

Reset learned values of injectors. ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Adapting the exhaust gas flap actuator ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the clutch pedal position ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting exhaust-gas temperature sensor adaptation values of soot particulate filter ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the gear sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the exhaust temperature sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Calibrate rearview camera ((E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Resetting high-pressure fuel pump adaptation values ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting the impact mode ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Adaptations of diesel exhaust fluid ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349))



Diagnostic devices

Adjusting the headlights ((GLC-Klasse, 253923), (GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Calibrating the zero fuel qty ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting the variable turbocharger adaptation values ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Resetting the quantity mean value adaptation ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Calibrating the camera ECU ((GLE-Klasse, 292324), (GLE-Klasse, 292356), (GLE-Klasse, 292364), (GLE-Klasse, 292373), (GLE-Klasse, 292374), (GLE-Klasse, 292375), (GLC-Klasse, 253905), (GLC-Klasse, 253946), (GLC-Klasse, 253909), (GLC-Klasse, 253949), (GLC-Klasse, 253954), (GLC-Klasse, 253964), (GLC-Klasse, 253303,253305), (GLC-Klasse, 253309), (GLC-Klasse, 253301), (GLC-Klasse, 253325), (GLC-Klasse, 253346), (GLC-Klasse, 253349), (GLC-Klasse, 253364), (GLC-Klasse, 253354), (GLC-Klasse, 253904), (GLC-Klasse, 253901), (GLE-Klasse, 292362), (GLC-Klasse, 253323), (GLC-Klasse, 253923), (GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253925), (GLC-Klasse, 253388), (GLC-Klasse, 253988), (GLC-Klasse, 253989), (GLC-Klasse, 253389), (GLC-Klasse, 253943), (CLS-Klasse, 257321), (CLS-Klasse, 257323), (CLS-Klasse, 257359), (CLS-Klasse, 257361), (CLS-Klasse, 257350), (CLS-Klasse, 257320), (CLS-Klasse, 257318), (CLS-Klasse, 257351), (GLC-Klasse, 253380), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (G-Klasse, 463277), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the EGR valve ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Initializing the diesel exhaust fluid injector ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

Actuating the installation/removal position of the parking brake ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Initializing the adaptive cruise control ((GLC-Klasse, 253923), (GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Calibrating the camera ((E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Initializing the neutral position sensor ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))



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Initializing the fuel quantity adjuster ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

| Codings

Coding the rain/light sensor of windshield ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Registering the battery ((GLC-Klasse, 253923), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213211), (E-Klasse, 213016))

Coding the rain/light sensor ((GLA-Klasse, 247746), (GLA-Klasse, 247787), (GLA-Klasse, 247747), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (G-Klasse, 463277), (G-Klasse, 463349), (G-Klasse, 463350))

Coding injectors ((GLC-Klasse, 253923), (GLA-Klasse, 247712), (GLA-Klasse, 247713), (GLA-Klasse, 247714), (GLA-Klasse, 247), (GLC-Klasse, 253309), (GLC-Klasse, 253349), (E-Klasse, 213011), (E-Klasse, 213023), (E-Klasse, 213), (E-Klasse, 213211), (E-Klasse, 213016), (G-Klasse, 463349), (G-Klasse, 463350))

| Service resets

(E-Klasse, 213), (G-Klasse, 463277), (GLC-Klasse, 253923)

Mini

| Trouble codes

(F56 One/Cooper, F56)

| Parameters

(F56 One/Cooper, F56)

| Actuators

(F56 One/Cooper, F56)

| Basic settings

Initializing the overhead control panel ((F56 One/Cooper, F56))

Initializing the rain/light sensor ((F56 One/Cooper, F56))

Adapting the A/C compressor ((F56 One/Cooper, F56))

Calibrating the front camera ((F56 One/Cooper, F56))

De/activating the parking brake service mode ((F56 One/Cooper, F56))

Initializing the air distribution flaps ((F56 One/Cooper, F56))

Resetting the ECU ((F56 One/Cooper, F56))

Interchanged brake pipe check ((F56 One/Cooper, F56))

Learning the power windows ((F56 One/Cooper, F56))

Adapting the headlight motor ((F56 One/Cooper, F56))

Initializing the valve stroke adaptation ((F56 One/Cooper, F56), (F55 One/Cooper, F55), (F54 Clubman, F54), (F57 Cabrio, F57), (F60 Countryman, F60))

Bleeding the ABS/ESC system ((F56 One/Cooper, F56))

Initializing the air distribution flap actuator ((F56 One/Cooper, F56))

Learning the steering-angle sensor ((F56 One/Cooper, F56))

Unlocking aux. heater/independent car heater ((F56 One/Cooper, F56))



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Diagnostic devices



| Codings

| Service resets (F56 One/Cooper, F56)

Nissan

| Trouble codes (Navara, D40)

| Parameters

| Actuators

| Basic settings

| Codings

| Service resets

Opel/Vauxhall

| Trouble codes (Antara, L07)

| Parameters (Antara, L07)

| Actuators (Antara, L07)

| Basic settings

- Learning the lambda sensor heater ((Antara, L07))
- Resetting the mixture adjustment ((Antara, L07))
- Initializing the high-pressure fuel pump ((Antara, L07))
- Learning the lambda sensor ((Antara, L07))
- Reset learned values of injectors. ((Antara, L07))
- Initializing the fuel pressure sensor or the fuel rail ((Antara, L07))
- Initializing the differential pressure sensor ((Antara, L07))
- Resetting self-adaptation parameters ((Antara, L07))
- Initializing the swirl control valve ((Antara, L07))
- Initializing the mass airflow sensor ((Antara, L07))
- Learning the turbocharger ((Antara, L07))
- Learning the throttle valve ((Antara, L07))
- Resetting learned values of NOx adsorption catalyst ((Antara, L07))
- Resetting the particulate filter learning values ((Astra-H, A04), (Zafira-B, A05), (Antara, L07))
- Resetting the diesel exhaust fluid system data ((Antara, L07))
- Initializing the crankshaft position sensor ((Antara, L07))



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Diagnostic devices



- Resetting rail pressure ((Zafira-B, A05))
- Learning the fuel pressure regulator ((Antara, L07))
- Resetting mass airflow sensor adaptation values ((Zafira-B, A05))
- Reset parking assist trouble code memory ((Antara, L07))
- Teach-in boost pressure sensor ((Antara, L07))
- Reset the adaptation values of NOx sensor 2. ((Antara, L07))
- Resetting oxygen sensor adaptation values ((Antara, L07))
- Resetting differential pressure sensor learning values ((Astra-H, A04), (Zafira-B, A05))
- Initializing the exhaust temperature sensor ((Antara, L07))
- Reset the adaptation values of NOx sensor 1. ((Antara, L07))
- Learning the steering-angle sensor ((Antara, L07))
- Initializing the clutch pedal position ((Antara, L07), (Adam, M13))
- Learning the brake pedal position ((Antara, L07))
- Resetting catalyst adaptation values ((Zafira-B, A05), (Antara, L07))
- Regenerating the soot particulate filter ((Zafira-B, A05), (Antara, L07))
- Resetting all systems ((Zafira-B, A05))
- Initializing the EGR valve ((Antara, L07))
- Initializing the neutral position sensor ((Antara, L07))

- | **Codings**
 - Coding the keys ((Astra-H, A04), (Vectra-B, J96), (Vectra-B, B), (Vectra-B, J96/KOMBI), (Astra-H, P-J/SW))
 - Coding the idle rpm ((Antara, L07))
 - Coding injectors ((Antara, L07))

- | **Service resets** (Antara, L07)

Peugeot

- | **Trouble codes** (308, 4)
- | **Parameters** (308, 4)
- | **Actuators** (308, 4)
- | **Basic settings**
 - Replacing engine parts ((308, 4))
 - Adapting the clutch biting point ((308, 4))
 - Filling the regeneration additive container ((308, 4))
 - Locking the airbag ECU ((308, 4))
 - Resetting the diesel exhaust fluid level ((308, 4))
 - Initializing the DeNOx system ((308, 4))



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Diagnostic devices



- Performing transmission adaptations ((308, 4))
- Calibrating the steering-angle sensor ((308, 4))
- Replace auxiliary drive belt ((3008, 0U), (5008, 0A), (508, 8))
- Adapting the longitudinal acceleration sensor ((308, 4))
- Replace brake parts ((308, 4))
- Unlocking the airbag ECU ((308, 4))
- Initializing the power window anti-pinch protection ((308, 4))
- Initializing the rain/light sensor ((308, 4))
- Initializing the air metering system ((308, 4))
- Special bleeding ((308, 4))
- Initializing the A/C flap actuators ((308, 4))
- Calibrating the radar sensor ((308, 4))
- Initializing the fuel level ((308, 4))
- Reactivating the emergency brake assistant ((308, 4))
- Adjusting the headlights ((308, 4))
- Leaving the ECO mode ((308, 4))
- Emptying/filling the diesel exhaust fluid tank ((308, 4))
- Calibrating the camera ECU ((308, 4))
- Initializing the EGR valve ((308, 4))
- Activating the start/stop function ((308, 4))

| Codings

- Coding the trailer hitch ((308, 4))
- Coding the intrusion monitoring ((308, 4))
- Coding injectors ((308, 4), (308, L))
- Coding the keys ((308, 4))
- Coding the remote control ((308, 4))
- Coding transmission readings ((308, 4))
- Deactivating/activating the transport mode ((308, 4))
- Registering the battery ((308, 4))
- Coding the alarm sound ((308, 4))

| Service resets

(308, 4)

Porsche

| Trouble codes

(Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB), (Macan (95B), 95B)

| Parameters

(Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB), (Macan (95B), 95B), (Panamera (971), 971)



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Diagnostic devices



- | **Actuators** (Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB), (Macan (95B), 95B), (Panamera (971), 971))
- | **Basic settings**
 - Initializing the adaptive cruise control ((Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB))
 - Regenerating the soot particulate filter ((Macan (95B), 95B))
 - Adapting the soot particulate filter ((Macan (95B), 95B))
 - Initializing the drive position sensor ((Macan (95B), 95B))
 - Initializing the adaptive cruise control sensor ((Macan (95B), 95B))
 - Initialize actuator of coolant temperature control ((Macan (95B), 95B))
 - Adapting oil pressure for engine run-in ((Macan (95B), 95B))
 - Resetting engine adaptation values ((Macan (95B), 95B))
 - Learning the throttle valve ((Macan (95B), 95B))
 - Reducing fuel high pressure ((Macan (95B), 95B))
 - Resetting timing chain adaptation values ((Macan (95B), 95B))
 - Performing engine adaptations ((Macan (95B), 95B))
 - Calibrating the camera ECU ((Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB))
 - Adapting the radiator shutter ((Macan (95B), 95B))
 - Initializing the boost pressure regulator ((Macan (95B), 95B))
 - Extending parking brake ((Macan (95B), 95B))
 - Adapting the clutch biting point ((Macan (95B), 95B))
 - Calibrating the front camera ((Macan (95B), 95B))
 - Retracting parking brake ((Macan (95B), 95B))
 - Resetting self-adaptation parameters ((Macan (95B), 95B))
 - Parking brake maintenance work ((Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB))
- | **Codings**
 - Registering the battery ((Macan (95B), 95B), (Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB))
 - Coding the rain/light sensor ((Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB))
 - Deactivating/activating the transport mode ((Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB))
- | **Service resets** (Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB), (Macan (95B), 95B))

Renault

- | **Trouble codes** (Captur-II,), (Clio-V, RJA), (Koleos-II, HCAN), (Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Trafic-III, JGMJ), (Zoe, BFMC,BFMD)
- | **Parameters** (Captur-II,), (Clio-V, RJA), (Koleos-II, HCAN), (Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Trafic-III, JGMJ), (Zoe, BFMC,BFMD)
- | **Actuators** (Captur-II,), (Clio-V, RJA), (Espace-V, JRAL), (Kadjar, HLA7), (Koleos-II, HCA7), (Megane-IV, K9A2), (Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Talisman, LPA7), (Trafic-III, JGMJ), (Zoe, BFMC,BFMD)



Diagnostic devices

Basic settings

Adapting the camshaft ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Clio-V, RJA), (Captur-II,))

De-energizing the hybrid/electric vehicle ((Zoe, BFMC,BFMD))

Initializing the rain/light sensor ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))

Resetting oxygen sensor adaptation values ((Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9A7,R9A7), (Scenic-IV, J9A8,R9A8), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Learning the steering-angle sensor ((Kadjar, HLA4), (Kadjar, HLMR), (Kadjar, HLA3), (Kadjar, HLMH), (Kadjar, HLNB), (Kadjar, HLNC), (Kadjar, HLA6), (Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Zoe, BFMC,BFMD))

Initializing the exhaust gas flap ((Trafic-III, JGMJ), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Trafic-III, JGMK,JGMS), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting the diesel exhaust fluid level ((Trafic-III, JGMJ), (Trafic-III, JGMN), (Trafic-III, JGML))

Reset learned values of intake-air flap. ((Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9A7,R9A7), (Scenic-IV, J9A8,R9A8), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Initializing the ride height sensor ((Koleos-II, HCAN))

Initializing the fuel pressure sensor or the fuel rail ((Trafic-III, JGMJ), (Captur-I, J5NJ), (Captur-I, J5NK), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLNB), (Kadjar, HLNC), (Kadjar, HLA6), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9NC), (Megane-IV, B9A2), (Megane-IV, B9A6), (Scenic-IV, J9A9,J9N9), (Trafic-III, JGMK,JGMS), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9NB,R9NB), (Scenic-IV, J9NC), (Talisman, LPAL), (Talisman, LPAM), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Captur-I, J5NE), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting learned values of fuel pressure regulator ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))

Initializing the differential pressure sensor ((Trafic-III, JGMJ), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting boost pressure controller learned values ((Twingo-III, BCM1), (Twingo-III, BCM8), (Captur-I, J5NJ), (Captur-I, J5NK), (Kadjar, HLNB), (Kadjar, HLNC), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-



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IV, K9NC), (Megane-IV, K9NB), (Megane-IV, B9NC), (Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-IV, J9A9,J9N9), (Scenic-IV, J9NB,R9NB), (Scenic-IV, J9NC), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Captur-I, J5NE))

Learning throttle valve stop ((Captur-I, J5NJ), (Captur-I, J5NK), (Kadjar, HLNB), (Kadjar, HLNC), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, B9NC), (Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-IV, J9A9,J9N9), (Scenic-IV, J9NB,R9NB), (Scenic-IV, J9NC), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Captur-I, J5NE))

After particulate filter replacement ((Trafic-III, JGMJ), (Captur-I, J5NJ), (Captur-I, J5NK), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLNB), (Kadjar, HLNC), (Kadjar, HLA6), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9NC), (Megane-IV, B9A2), (Megane-IV, B9A6), (Scenic-IV, J9A9,J9N9), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9NB,R9NB), (Scenic-IV, J9NC), (Talisman, LPAL), (Talisman, LPAM), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Captur-I, J5NE), (Koleos-II, HCA7), (Koleos-II, HCAN))

Initializing the air distribution flaps ((Koleos-II, HCAN))

Initializing the mass airflow sensor ((Trafic-III, JGMJ), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9A7,R9A7), (Scenic-IV, J9A8,R9A8), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting the start inhibitor of DEF injection system ((Trafic-III, JGMJ), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Trafic-III, JGMK,JGMS), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9A7,R9A7), (Scenic-IV, J9A8,R9A8), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML))

De/activating the parking brake service mode ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Clio-V, RJA), (Captur-II,), (Zoe, BFMC,BFMD))

Learning the steering-angle sensor ((Trafic-III, JGMJ), (Trafic-III, JGMK,JGMS), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCAN))

Calibrating rear radar sensors ((Clio-V, RJA), (Captur-II,))

Regenerating the soot particulate filter ((Trafic-III, JGMJ), (Captur-I, J5NJ), (Captur-I, J5NK), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLNB), (Kadjar, HLNC), (Kadjar, HLA6), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9NC), (Megane-IV, B9A2), (Megane-IV, B9A6), (Scenic-IV, J9A9,J9N9), (Trafic-III, JGMK,JGMS), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9NB,R9NB), (Scenic-IV, J9NC), (Talisman, LPAL), (Talisman, LPAM), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Captur-I, J5NE), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting gearbox learning values ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))

Learning the flywheel ((Trafic-III, JGMJ))

Resetting learned values of camshaft sensor ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))



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Initializing the starter ring gear ((Captur-I, J5NJ), (Captur-I, J5NK), (Kadjar, HLNb), (Kadjar, HLNC), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, B9NC), (Scenic-IV, J9A9, J9N9), (Scenic-IV, J9NB, R9NB), (Scenic-IV, J9NC), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Captur-I, J5NE))

Calibrating the camera and radar system ((Koleos-II, HCAN))

Calibrate radar dynamically ((Clio-V, RJA), (Captur-II,), (Zoe, BFMC, BFMD))

Initializing the intake cam phaser ((Captur-I, J5NJ), (Captur-I, J5NK), (Kadjar, HLNb), (Kadjar, HLNC), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, B9NC), (Scenic-IV, J9A9, J9N9), (Scenic-IV, J9NB, R9NB), (Scenic-IV, J9NC), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Captur-I, J5NE))

Initializing the intake-air flap ((Trafic-III, JGMJ), (Trafic-III, JGMK, JGMS))

Initializing the lateral acceleration sensor ((Scenic-III, JZ09, JZ11, JZ0Z, JZ1Z, JZD1), (Scenic-III, JZ11, JZ0Z, JZ1Z, JZD1))

Learning the turbocharger ((Clio-V, RJA), (Captur-II,))

Initializing the swirl flap ((Trafic-III, JGMJ), (Trafic-III, JGMK, JGMS))

After particulate filter regeneration ((Scenic-II, JM0L), (Scenic-II, JM1D), (Scenic-II, JM15), (Scenic-II, JM16), (Scenic-II, JM17), (Megane-II, CM17), (Megane-II, EM17), (Megane-II, KM17), (Megane-II, LM17), (Scenic-II, JM14), (Megane-II, KM0L), (Megane-II, KM14), (Megane-II, KM1D), (Megane-II, KM1K), (Megane-II, BM0L), (Megane-II, BM14), (Megane-II, BM17), (Megane-II, BM1D), (Megane-II, BM1K), (Megane-II, CM0L), (Megane-II, CM14), (Megane-II, CM1D), (Megane-II, CM1K), (Megane-II, EM14), (Megane-II, EM1D), (Megane-II, EM1K), (Megane-II, LM0L), (Megane-II, LM13), (Megane-II, LM14), (Megane-II, LM1D), (Megane-II, LM1K), (Scenic-II, JM1K), (Scenic-II, JM1G), (Megane-II, BMSD), (Megane-II, BMPK), (Megane-II, BMSK), (Megane-II, LMKD), (Megane-II, LMPK), (Megane-II, BMS7), (Megane-II, BM1W), (Megane-II, CM1W), (Megane-II, BM1K, BMSK), (Megane-II, LM1K, LMSK), (Megane-II, KM1K, KMSK), (Megane-II, EM1K, EMSK), (Scenic-II, JM14, JMG4, JMJ4, JMK4, JMS4, JMT4), (Scenic-II, JM1K, JMGK, JMJK, JMSK), (Megane-II, EM14, EMK4, EMS4), (Megane-II, KM1D, KM1G, KM2C, KMKD, KMSD, KMSG), (Megane-II, BMKD, BMSD, BMSG, CMKD, CMSD, CMSG))

Unlocking aux. heater/independent car heater ((Trafic-III, JGMJ), (Trafic-III, JGMN), (Trafic-III, JGML))

Standardizing the liftgate ((Koleos-II, HCAN))

Reset learned values of the EGR bypass valve ((Trafic-III, JGMJ), (Trafic-III, JGMK, JGMS))

Resetting EGR valve learning values ((Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9A7, R9A7), (Scenic-IV, J9A8, R9A8), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting learned values of steering angle sensor ((Scenic-III, JZ09, JZ11, JZ0Z, JZ1Z, JZD1), (Scenic-III, JZ11, JZ0Z, JZ1Z, JZD1))

Resetting high-pressure fuel pump adaptation values ((Trafic-III, JGMJ), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Trafic-III, JGMK, JGMS), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Scenic-IV, J9A7, R9A7), (Scenic-IV, J9A8, R9A8), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))



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Bleeding the ABS/ESC system ((Koleos-II, HCAN))

De/activating the parking brake service mode ((Koleos-II, HCAN))

Calibrating the camera ECU ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Clio-V, RJA), (Captur-II,), (Zoe, BFMC,BFMD))

Initializing the EGR valve ((Trafic-III, JGMJ), (Trafic-III, JGMK,JGMS))

Bleeding the ABS hydraulic unit ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1), (Clio-V, RJA), (Captur-II,), (Zoe, BFMC,BFMD))

Resetting camshaft adaptation values ((Clio-V, RJA), (Captur-II,))

Regenerating the soot particulate filter ((Scenic-II, JM0L), (Scenic-II, JM1D), (Scenic-II, JM15), (Scenic-II, JM16), (Scenic-II, JM17), (Megane-II, CM17), (Megane-II, EM17), (Megane-II, KM17), (Megane-II, LM17), (Scenic-II, JM14), (Megane-II, KM0L), (Megane-II, KM14), (Megane-II, KM1D), (Megane-II, KM1K), (Megane-II, BM0L), (Megane-II, BM14), (Megane-II, BM17), (Megane-II, BM1D), (Megane-II, BM1K), (Megane-II, CM0L), (Megane-II, CM14), (Megane-II, CM1D), (Megane-II, CM1K), (Megane-II, EM14), (Megane-II, EM1D), (Megane-II, EM1K), (Megane-II, LM0L), (Megane-II, LM13), (Megane-II, LM14), (Megane-II, LM1D), (Megane-II, LM1K), (Scenic-II, JM1K), (Scenic-II, JM1G), (Megane-II, BMSD), (Megane-II, BMPK), (Megane-II, BMSK), (Megane-II, LMKD), (Megane-II, LMPK), (Megane-II, BMS7), (Megane-II, BM1W), (Megane-II, CM1W), (Megane-II, BM1K,BMSK), (Megane-II, LM1K,LMSK), (Megane-II, KM1K,KMSK), (Megane-II, EM1K,EMSK), (Scenic-II, JM14,JMG4,JMJ4,JMK4,JMS4,JMT4), (Scenic-II, JM1K,JMGK,JMJK,JMSK), (Megane-II, EM14,EMK4,EMS4), (Megane-II, KM1D,KM1G,KM2C,KMKD,KMSD,KMSG), (Megane-II, BMKD,BMSD,BMSG,CMKD,CMSD,CMSG))

Reset low-pressure EGR learned values ((Trafic-III, JGMJ), (Espace-V, JRAL), (Espace-V, JRAM), (Kadjar, HLA6), (Megane-IV, K9A2), (Megane-IV, K9A6), (Megane-IV, B9A2), (Megane-IV, B9A6), (Talisman, LPA7), (Talisman, LPA8), (Talisman, KPA7), (Talisman, LPAL), (Talisman, LPAM), (Clio-V, RJA), (Captur-II,), (Kadjar, HLA7), (Talisman, KPAM), (Talisman, KPAL), (Megane-IV, B9A7), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCA7), (Koleos-II, HCAN))

Resetting starter learning values ((Trafic-III, JGMJ), (Captur-I, J5NJ), (Captur-I, J5NK), (Kadjar, HLNb), (Kadjar, HLNC), (Megane-IV, B9N8), (Megane-IV, B9N9), (Megane-IV, B9NB), (Megane-IV, K9N8), (Megane-IV, K9N9), (Megane-IV, K9NC), (Megane-IV, K9NB), (Megane-IV, B9NC), (Scenic-IV, J9A9,J9N9), (Trafic-III, JGMK,JGMS), (Scenic-IV, J9NB,R9NB), (Scenic-IV, J9NC), (Talisman, LPNC), (Clio-V, RJA), (Captur-II,), (Trafic-III, JGMN), (Trafic-III, JGML), (Captur-I, J5NE), (Koleos-II, HCAN))

| Codings

De/activating the trailer hitch ((Koleos-II, HCAN))

Coding the language version ((Trafic-III, JGMJ), (Clio-V, RJA), (Captur-II,), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCAN), (Zoe, BFMC,BFMD))

Coding injectors ((Trafic-III, JGMJ), (Clio-V, RJA), (Captur-II,), (Trafic-III, JGMN), (Trafic-III, JGML))

Coding the wheel valves ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))

Registering the battery ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))

Coding the tire size ((Trafic-III, JGMJ), (Clio-V, RJA), (Captur-II,), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCAN), (Zoe, BFMC,BFMD))

Switching on/off the automatic parking brake application ((Clio-V, RJA), (Zoe, BFMC,BFMD))

Airbag ECU locking/unlocking ((Trafic-III, JGMJ), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCAN))



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Coding the wheel sets (summer/winter) ((Scenic-III, JZ09,JZ11,JZ0Z,JZ1Z,JZD1), (Scenic-III, JZ11,JZ0Z,JZ1Z,JZD1))

Adapting the trailer hitch to advanced driver assistance systems ((Clio-V, RJA), (Captur-II,), (Koleos-II, HCAN))

Coding the country version ((Koleos-II, HCAN))

Coding instrument cluster units ((Trafic-III, JGMJ), (Clio-V, RJA), (Captur-II,), (Trafic-III, JGMN), (Trafic-III, JGML), (Koleos-II, HCAN), (Zoe, BFMC,BFMD))

Code trailer stability program ((Trafic-III, JGMJ), (Trafic-III, JGMN), (Trafic-III, JGML))

| **Service resets** (Koleos-II, HCAN), (Trafic-III, JGMJ)

Seat

| **Trouble codes** (Alhambra, 7V), (Altea, 5P), (Ateca, KH), (Cordoba, 6K), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F), (Leon, KL)

| **Parameters** (Alhambra, 7V), (Altea, 5P), (Ateca, KH), (Cordoba, 6K), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F), (Leon, KL)

| **Actuators** (Alhambra, 7V), (Altea, 5P), (Ateca, KH), (Cordoba, 6K), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F), (Leon, KL)

| **Basic settings**

- Initializing the adaptive cruise control ((Ateca, KH), (Leon, 5F))
- Initializing the lateral acceleration sensor ((Alhambra, 7V), (Altea, 5P))
- Unlocking aux. heater/independent car heater ((Leon, 5F))
- TESTING LAMBDA-CONVERSION BANK 1 ((Cordoba, 6K))
- Resetting fuel system adaptation values ((Altea, 5P), (Ibiza, 6J))
- Resetting the start inhibitor of DEF injection system ((Leon, KL))
- Regenerating the soot particulate filter ((Ateca, KH), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Resetting engine adaptation values ((Exeo, 3R), (Ibiza, 6J), (Leon, 5F))
- Initializing the ESC sensors ((Ateca, KH), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F))
- Resetting gen. ECU learning values ((Altea, 5P), (Exeo, 3R), (Ibiza, 6J))
- Checking the gearbox oil level ((Altea, 5P))
- Adapting the electro-mechanical power steering ((Altea, 5P))
- Bleeding the fuel system ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Resetting oxygen sensor adaptation values ((Altea, 5P))
- Regenerating the soot particulate filter ((Altea, 5P), (Ibiza, 6J), (Leon, KL))
- Burning off aux. heater/independent car heater ((Altea, 5P), (Ateca, KH), (Leon, 5F), (Leon, KL))
- Performing transmission adaptations ((Ateca, KH), (Ibiza, 6J), (Leon, 5F))
- Initializing the seat belt tensioner ECU ((Ateca, KH), (Leon, 5F))
- Performing engine adaptations ((Leon, 5F), (Leon, KL))



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- Bringing gear actuator of direct shift transmission in neutral position ((Ibiza, 6J))
- Calibrating the parking brake ((Ateca, KH), (Leon, 5F))
- Adjust headlight with/without dynamic light control (DLA) ((Ateca, KH), (Ibiza, 6J), (Leon, 5F))
- Adapting the soot particulate filter ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Calibrating the steering-angle sensor ((Ibiza, 6J), (Leon, 5F))
- Learning the steering-angle sensor ((Ateca, KH))
- Learning the throttle valve ((Alhambra, 7V), (Altea, 5P), (Ateca, KH), (Cordoba, 6K), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Learning the steering-angle sensor ((Alhambra, 7V), (Altea, 5P), (Exeo, 3R), (Ibiza, 6J))
- Adapting the longitudinal acceleration sensor ((Alhambra, 7V), (Altea, 5P))
- Reset learned values of injectors. ((Ateca, KH), (Leon, KL))
- Initializing the brake-pressure sensor ((Alhambra, 7V), (Altea, 5P), (Ateca, KH), (Leon, 5F))
- Initializing the boost pressure regulator ((Ateca, KH), (Leon, 5F))
- Resetting gearbox learning values ((Alhambra, 7V))
- Adjusting the xenon headlight ((Alhambra, 7V), (Altea, 5P), (Exeo, 3R), (Ibiza, 6J))
- Initializing the adaptive cruise control ((Leon, KL))
- Performing the initial run-in of the air conditioning compressor ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Adjust waste gate valve ((Altea, 5P))
- Check lambda ageing bank 1 before catalyst ((Alhambra, 7V), (Cordoba, 6K))
- EGR test ((Cordoba, 6K))
- Retracting parking brake ((Ateca, KH), (Leon, 5F))
- Special bleeding ((Altea, 5P))
- Reducing fuel high pressure ((Toledo, KG), (Ateca, KH), (Leon, 5F), (Leon, KL))
- Initializing the A/C flap actuators ((Altea, 5P), (Ibiza, 6J))
- Activating the retrofitted parking heater ((Ateca, KH), (Leon, 5F), (Leon, KL))
- Learning the turbocharger ((Altea, 5P), (Ibiza, 6J))
- Initializing the oxidation catalyst ((Leon, KL))
- Adapting the electronic climate control ((Altea, 5P), (Ateca, KH), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Initialize 4WD clutch oil pump ((Alhambra, 7V), (Leon, 5F), (Ateca, KH), (Tarraco, KN), (Leon, KL))
- Resetting timing chain adaptation values ((Leon, 5F))
- Resetting the impact mode ((Leon, 5F), (Toledo, KG), (Ateca, KH), (Ibiza, 6J))
- Initializing the neutral position sensor ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
- Checking oxygen sensor (bank 2) before catalyst ((Alhambra, 7V))
- Adjusting the headlights ((Leon, KL))



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Diagnostic devices



Resetting the diesel exhaust fluid level ((Leon, KL))
Initializing the EGR valve ((Altea, 5P), (Cordoba, 6K), (Ibiza, 6J))
Initialize actuator of coolant temperature control ((Leon, 5F))
Adapting the radiator shutter ((Ateca, KH), (Leon, KL))
Adapting oil pressure for engine run-in ((Ibiza, 6P), (Leon, 5F))
Adapt the intake manifold flap ((Exeo, 3R), (Ibiza, 6J))
Bleeding the cooling system ((Ateca, KH), (Leon, 5F), (Leon, KL))
Activating the roller test stand mode ((Altea, 5P))
Calibrating the camera ECU ((Ateca, KH), (Leon, 5F), (Leon, KL))
Adapting the fuel burning heater remote control ((Altea, 5P), (Ateca, KH), (Leon, 5F), (Leon, KL))
Extending parking brake ((Ateca, KH), (Leon, 5F))
Adapting the DEF injection system ((Leon, 5F))
Unlocking aux. heater/independent car heater ((Altea, 5P), (Ateca, KH), (Leon, KL))
Adapting the exhaust gas pressure sensor ((Altea, 5P), (Ibiza, 6J), (Leon, 5F))
Resetting the engine ECU learning values (SIMOS) ((Alhambra, 7V))
Initializing the transmission ECU ((Altea, 5P), (Ibiza, 6J))

| Codings

Adjust parking assistance volume ((Alhambra, 7V), (Altea, 5P), (Ateca, KH), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
Coding the language version ((Ateca, KH), (Ibiza, 6J), (Leon, 5F))
Coding the keys ((Cordoba, 6K))
Variable service interval coding ((Altea, 5P), (Cordoba, 6K), (Ibiza, 6J))
Coding the door ECU RR ((Altea, 5P))
Coding the headlight leveling system ((Altea, 5P), (Exeo, 3R))
Code light control ((Alhambra, 7V))
Adapting the power steering after replacement ((Altea, 5P))
Deactivating the alternating park position of wipers ((Altea, 5P))
Coding injectors ((Altea, 5P), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
Coding the body control module ((Exeo, 3R))
General ECU replacement ((Altea, 5P), (Ateca, KH), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F))
Coding the gearbox ECU ((Alhambra, 7V), (Altea, 5P))
Coding the rain/light sensor ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F), (Leon, KL))
Deactivating/activating the transport mode ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F))
Adapting immobiliser to engine ECU ((Cordoba, 6K))
Replacing the headlight/power module ((Altea, 5P), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F))
Coding the language version of instrument cluster ((Altea, 5P), (Exeo, 3R), (Ibiza, 6J))
Coding the engine ECU ((Alhambra, 7V), (Ibiza, 6J))
Coding the fuel burning heater ((Altea, 5P))



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Diagnostic devices



- Coding the trailer hitch ((Alhambra, 7V), (Exeo, 3R), (Ibiza, 6J))
- Coding the remote control ((Alhambra, 7V))
- Coding the steering-column module ((Altea, 5P), (Exeo, 3R))
- De-/activating the cruise control ((Alhambra, 7V), (Altea, 5P), (Ibiza, 6J), (Leon, 5F))
- Coding the door ECU FL ((Altea, 5P))
- Coding the central comfort module ((Exeo, 3R))
- Expert mode ECU coding ((Altea, 5P), (Ateca, KH), (Exeo, 3R), (Ibiza, 6J), (Leon, 5F))
- Registering the battery ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F))
- Coding the parking assist ((Exeo, 3R))
- Coding the radio ((Alhambra, 7V))
- Coding the radio remote control ((Altea, 5P), (Ibiza, 6J))
- Coding the trailer detection ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F))
- Coding the ABS ECU ((Alhambra, 7V), (Altea, 5P), (Exeo, 3R))
- Adapting the trailer hitch to advanced driver assistance systems ((Ateca, KH), (Leon, 5F))
- Coding the gateway installation list ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F))
- Coding the door ECU FR ((Altea, 5P))
- Coding the door ECU RL ((Altea, 5P))
- Coding the power steering ((Ibiza, 6J))
- De-/activating the trailer hitch ((Altea, 5P), (Ateca, KH), (Ibiza, 6J), (Leon, 5F))
- De-/activating daytime running lights ((Altea, 5P))

Service resets (Alhambra, 7V), (Altea, 5P), (Arona, KJ), (Ateca, KH), (Cordoba, 6K), (Exeo, 3R), (Ibiza, 6J), (Ibiza, KJ), (Leon, 5F), (Leon, KL), (Tarraco, KN)

Skoda

Trouble codes (Fabia,), (Fabia, 5J), (Fabia, 6Y), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 1U), (Octavia, 5E), (Octavia, NX), (Rapid, NA), (Rapid, NH), (Scala, NW), (Superb, 3T), (Superb, 3V)

Parameters (Fabia,), (Fabia, 5J), (Fabia, 6Y), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 1U), (Octavia, 5E), (Octavia, NX), (Rapid, NA), (Rapid, NH), (Scala, NW), (Superb, 3T), (Superb, 3V)

Actuators (Fabia,), (Fabia, 5J), (Fabia, 6Y), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 1U), (Octavia, 5E), (Octavia, NX), (Rapid, NA), (Rapid, NH), (Superb, 3T), (Superb, 3V)

Basic settings

- Initializing the adaptive cruise control ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))
- Initializing the lateral acceleration sensor ((Octavia, 1U), (Superb, 3T))
- TESTING LAMBDA-CONVERSION BANK 1 ((Fabia,), (Octavia, 1U))
- Resetting fuel system adaptation values ((Rapid, NA), (Rapid, NH), (Superb, 3T))
- Resetting the start inhibitor of DEF injection system ((Superb, 3V))



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- Regenerating the soot particulate filter ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Superb, 3V))
- Resetting engine adaptation values ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))
- Initializing the ESC sensors ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))
- Resetting gen. ECU learning values ((Fabia,), (Fabia, 5J), (Rapid, NA), (Rapid, NH), (Superb, 3T))
- Zero reset of longitudinal acceleration sensor (MK60) ((Octavia, 1U))
- Checking the gearbox oil level ((Superb, 3T))
- Regenerating the soot particulate filter ((Fabia,))
- Brake-pressure sensor (MK20) ((Octavia, 1U))
- Bleeding the fuel system ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T), (Superb, 3V))
- Burning off aux. heater/independent car heater ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Octavia, NX), (Superb, 3T))
- Regenerating the soot particulate filter ((Rapid, NA), (Rapid, NH), (Superb, 3T))
- Performing transmission adaptations ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))
- Initializing the seat belt tensioner ECU ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E))
- Special bleeding (MK60) ((Octavia, 1U))
- Bringing gear actuator of direct shift transmission in neutral position ((Fabia,), (Fabia, 5J), (Rapid, NA), (Rapid, NH))
- Standardizing the liftgate ((Octavia, 5E), (Superb, 3T))
- Adjusting pressure capsule of turbocharger ((Rapid, NA), (Rapid, NH))
- Adapt the intake manifold flap ((Fabia,), (Superb, 3T))
- Initialize actuator of coolant temperature control ((Superb, 3V), (Octavia, 5E))
- Adapting the soot particulate filter ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T), (Superb, 3V))
- Learning the steering-angle sensor ((Kodiaq, NS), (Superb, 3T))
- Learning the throttle valve ((Superb, 3V), (Fabia,), (Fabia, 6Y), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 1U), (Octavia, 5E), (Rapid, NH), (Octavia, NX), (Superb, 3T))
- Brake-pressure sensor (MK60) ((Octavia, 1U))
- Learning the steering-angle sensor ((Superb, 3V), (Fabia,), (Fabia, 6Y), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Octavia, 1U), (Octavia, 5E))
- Performing engine adaptations ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Superb, 3V))
- Reset learned values of injectors. ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Superb, 3V))
- Initializing the brake-pressure sensor ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH), (Superb, 3T))
- Initializing the boost pressure regulator ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))



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Diagnostic devices



Resetting gearbox learning values ((Fabia,), (Fabia, 6Y), (Octavia, 1U))
Adjusting the xenon headlight ((Octavia, 1U), (Superb, 3T))
Initializing the adaptive cruise control ((Octavia, NX))
Adapting the exhaust gas pressure sensor ((Fabia,), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))
Adjust waste gate valve ((Superb, 3T))
Initializing the tilt/slide sunroof ((Superb, 3T))
Learning the turbocharger ((Superb, 3T))
Initialize minimum quantity deviation of the injectors ((Rapid, NA), (Rapid, NH))
Resetting the soot load compensation ((Fabia,))
Retracting parking brake ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E))
Reducing fuel high pressure ((Octavia, 1Z), (Yeti, 5L), (Rapid, NH), (Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E))
Initializing the A/C flap actuators ((Superb, 3V), (Karoq, NU), (Superb, 3T))
Activating the retrofitted parking heater ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Octavia, NX))
Initializing the EGR valve ((Superb, 3T))
Initializing the oxidation catalyst ((Superb, 3V))
Adapting the electronic climate control ((Fabia,), (Fabia, 6Y), (Fabia, 5J), (Fabia, NJ), (Kodiaq, NS), (Octavia, 1U), (Octavia, 5E), (Rapid, NA), (Octavia, NX), (Rapid, NH))
Initialize 4WD clutch oil pump ((Yeti, 5L), (Kodiaq, NS), (Octavia, 5E), (Superb, 3V), (Karoq, NU))
Adjust headlight with/without dynamic light control (DLA) ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E))
Resetting timing chain adaptation values ((Superb, 3V), (Octavia, 5E))
Resetting the impact mode ((Kodiaq, NS), (Octavia, 5E), (Fabia, NJ), (Superb, 3V), (Rapid, NH), (Scala, NW), (Karoq, NU))
Initializing the neutral position sensor ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))
Resetting the diesel exhaust fluid level ((Superb, 3V))
Adapting the radiator shutter ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Superb, 3V))
Adjusting the headlights ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Octavia, NX))
Zero reset of longitudinal acceleration sensor (MK20) ((Octavia, 1U))
Adapting oil pressure for engine run-in ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))
Bleeding the cooling system ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E))
Performing the initial run-in of the air conditioning compressor ((Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Octavia, NX), (Rapid, NH), (Superb, 3T))
Activating the roller test stand mode ((Octavia, 1Z), (Superb, 3T))
Calibrating the camera ECU ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Octavia, NX))



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Adapting the fuel burning heater remote control ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Octavia, NX), (Superb, 3T))

Extending parking brake ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E))

Adapting the DEF injection system ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Superb, 3V))

Unlocking aux. heater/independent car heater ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Octavia, NX), (Superb, 3T))

Initializing the transmission ECU ((Fabia,), (Fabia, 5J), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Calibrating the parking brake ((Superb, 3V), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E))

| Codings

Coding the keys ((Fabia,), (Octavia, 1U))

Coding the language version ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))

Deactivating/activating the alternating park position ((Rapid, NA), (Rapid, NH), (Superb, 3T))

Coding the ABS ECU (Bosch) ((Fabia,), (Fabia, 6Y), (Octavia, 1U))

Variable service interval coding ((Fabia,), (Fabia, 6Y), (Fabia, 5J), (Octavia, 1U), (Superb, 3T))

Coding the trailer hitch ((Rapid, NA), (Rapid, NH))

Coding the headlight leveling system ((Fabia,), (Fabia, 5J), (Superb, 3T))

Code light control ((Octavia, 1U))

Adapting the power steering after replacement ((Superb, 3T))

Coding injectors ((Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T), (Superb, 3V))

General ECU replacement ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

De/activating the trailer hitch ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH), (Superb, 3T))

Expert mode ECU coding ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Coding the rain/light sensor ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Octavia, NX), (Rapid, NH), (Superb, 3T))

Deactivating/activating the transport mode ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Adapting immobiliser to engine ECU ((Fabia,), (Fabia, 5J), (Octavia, 1U))

Replacing the headlight/power module ((Fabia,), (Fabia, 5J), (Octavia, 5E))

Coding the language version of instrument cluster ((Fabia,), (Fabia, 5J), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Coding the engine ECU ((Fabia,), (Octavia, 1U))

Coding the fuel burning heater ((Superb, 3T))

Adjust parking assistance volume ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Coding the steering-column module ((Superb, 3T))



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Diagnostic devices



De-/activating the cruise control ((Fabia,), (Fabia, 5J), (Fabia, NJ), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Deactivating cruise control ((Fabia,), (Fabia, 6Y), (Octavia, 1U))

Coding the central comfort module ((Fabia,), (Fabia, 6Y))

Coding the gearbox ECU ((Fabia,), (Fabia, 6Y), (Fabia, 5J), (Octavia, 1U))

Registering the battery ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Coding the parking assist ((Octavia, 1Z), (Fabia,), (Fabia, 5J))

Coding the radio remote control ((Fabia,), (Fabia, 6Y), (Fabia, 5J), (Octavia, 1U), (Rapid, NA), (Rapid, NH), (Superb, 3T))

Coding the trailer detection ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))

Coding the ABS ECU ((Fabia,), (Fabia, 6Y), (Fabia, 5J), (Octavia, 1U))

Adapting the trailer hitch to advanced driver assistance systems ((Superb, 3V), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NH))

Coding the power steering ((Fabia,), (Fabia, 6Y), (Fabia, 5J))

Activating cruise control ((Fabia,), (Fabia, 6Y), (Octavia, 1U))

Coding the gateway installation list ((Superb, 3V), (Fabia,), (Fabia, 5J), (Fabia, NJ), (Karoq, NU), (Kodiaq, NS), (Octavia, 5E), (Rapid, NA), (Rapid, NH), (Superb, 3T))

| Service resets

(Fabia,), (Fabia, 5J), (Fabia, 6Y), (Fabia, NJ), (Kamiiq, NW), (Karoq, NU), (Kodiaq, NS), (Octavia, 1U), (Octavia, 5E), (Octavia, NX), (Rapid, NA), (Rapid, NH), (Scala, NW), (Superb, 3T), (Superb, 3V)

Suzuki

| Trouble codes

(Swift, MA)

| Parameters

(Swift, MA)

| Actuators

| Basic settings

| Codings

| Service resets



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Diagnostic devices



Toyota

Trouble codes

(4Runner, TRN280), (4Runner, TRN285), (Auris, AZE154H), (Auris, AZE156H), (Auris, GRE156H), (Auris, NRE185L), (Auris, NZE151), (Auris, NZE154), (Auris, NZE181), (Auris, NZE184), (Auris, WWE185), (Auris, ZRE152), (Auris, ZRE154), (Auris, ZRE186), (Avensis, ADT271), (Avensis, AZT270), (Avensis, WWT271), (Avensis, ZRT271), (C-HR, MAXH10), (C-HR, NGX10L), (C-HR, NGX50), (C-HR, NGX50L), (C-HR, ZGX10), (C-HR, ZGX10L), (C-HR, ZGX11), (C-HR, ZGX50L), (C-HR, ZYX10L), (Camry, ACV40), (Camry, ACV41), (Camry, AHV40), (Camry, ASV40), (Camry, ASV50), (Camry, ASV51), (Camry, AVV50), (Camry, AXVA70), (Camry, AXVH71), (Camry, GSV40), (Camry, GSV50), (Corolla,), (Corolla, AZE141), (Corolla, AZE151), (Corolla, NKE165), (Corolla, NRE150), (Corolla, NRE160), (Corolla, NRE161), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NZE141), (Corolla, NZE144), (Corolla, NZE15), (Corolla, NZE161), (Corolla, NZE164), (Corolla, ZEW211), (Corolla, ZRE142), (Corolla, ZRE143), (Corolla, ZRE144), (Corolla, ZRE152), (Corolla, ZRE153), (Corolla, ZRE154), (Corolla, ZRE162), (Corolla, ZRE170), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE173), (Corolla, ZRE210), (Corolla, ZZE122), (Corolla, ZZE141), (Corolla, ZZE142), (Corolla, ZZE150), (Highlander, ASU50L), (Highlander, ASU55L), (Highlander, GUV58), (Hilux, GUN), (Hilux, GUN1), (Hilux, GUN125), (Hilux, GUN135), (IQ,), (Land Cruiser, GDJ15), (Prius, ZVW30), (Prius, ZVW40), (Prius, ZVW50), (Prius, ZVW51), (Prius, ZVW52), (Prius, ZVW52L), (Proace, MDX), (Proace, MDZ), (RAV 4, ALA49), (RAV 4, AVA44), (RAV 4, AVA44L), (RAV 4, ZSA4), (Yaris, MXHP10), (Yaris, MXPA11), (Yaris, NSP131)

Parameters

(4Runner, TRN280), (4Runner, TRN285), (Auris, AZE154H), (Auris, AZE156H), (Auris, GRE156H), (Auris, NRE185L), (Auris, NZE151), (Auris, NZE154), (Auris, NZE181), (Auris, NZE184), (Auris, WWE185), (Auris, ZRE152), (Auris, ZRE154), (Auris, ZRE186), (Avensis, ADT271), (Avensis, AZT270), (Avensis, WWT271), (Avensis, ZRT271), (C-HR, NGX50), (C-HR, ZGX11), (Camry, ACV40), (Camry, ACV41), (Camry, AHV40), (Camry, ASV40), (Camry, ASV50), (Camry, ASV51), (Camry, AVV50), (Camry, AXVH71), (Camry, GSV40), (Camry, GSV50), (Corolla,), (Corolla, AZE141), (Corolla, AZE151), (Corolla, NKE165), (Corolla, NRE150), (Corolla, NRE160), (Corolla, NRE161), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NZE141), (Corolla, NZE144), (Corolla, NZE15), (Corolla, NZE161), (Corolla, NZE164), (Corolla, ZEW211), (Corolla, ZRE142), (Corolla, ZRE143), (Corolla, ZRE144), (Corolla, ZRE152), (Corolla, ZRE153), (Corolla, ZRE154), (Corolla, ZRE162), (Corolla, ZRE170), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE173), (Corolla, ZRE210), (Corolla, ZZE122), (Corolla, ZZE141), (Corolla, ZZE142), (Corolla, ZZE150), (Hilux, GUN), (Hilux, GUN1), (Hilux, GUN125), (Hilux, GUN135), (IQ,), (Proace, MDX), (Proace, MDZ), (Yaris, MXHP10), (Yaris, MXPA11), (Yaris, NSP131)

Actuators

(4Runner, TRN280), (4Runner, TRN285), (Auris, AZE154H), (Auris, AZE156H), (Auris, GRE156H), (Auris, NRE185L), (Auris, NZE151), (Auris, NZE154), (Auris, NZE181), (Auris, NZE184), (Auris, WWE185), (Auris, ZRE152), (Auris, ZRE154), (Auris, ZRE186), (Avensis, ADT271), (Avensis, AZT270), (Avensis, WWT271), (Avensis, ZRT271), (C-HR, NGX50), (C-HR, ZGX11), (Camry, ASV40), (Camry, ASV50), (Camry, ASV51), (Camry, AVV50), (Camry, AXVH71), (Camry, GSV40), (Camry, GSV50), (Corolla,), (Corolla, AZE141), (Corolla, AZE151), (Corolla, NKE165), (Corolla, NRE150), (Corolla, NRE160), (Corolla, NRE161), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NZE161), (Corolla, NZE164), (Corolla, ZEW211), (Corolla, ZRE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, ZRE162), (Corolla, ZRE170), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE173), (Corolla, ZRE210), (Corolla, ZZE122), (Corolla, ZZE141), (Corolla, ZZE142), (IQ,), (Proace, MDX), (Proace, MDZ), (Yaris, MXPA11), (Yaris, NSP131)

Basic settings

Replacing engine parts ((Proace, MDZ))
Calibrating the steering-angle sensor ((Proace, MDX))
Initializing the rain/light sensor ((Proace, MDZ))
Resetting oxygen sensor adaptation values ((Auris, WWE185), (Avensis, WWT271))



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Diagnostic devices



- Filling the regeneration additive container ((Proace, MDZ))
- Replacing the regeneration additive pump ((Proace, MDZ))
- Locking the airbag ECU ((Proace, MDX), (Proace, MDZ))
- Replacing the regeneration additive container ((Proace, MDX))
- Initializing the sensor group ((Camry, ACV41), (Camry, ACV40), (Camry, AHV40))
- Initializing the DeNOx system ((Auris, WWE185), (Avensis, WWT271))
- Initializing the transmission selector actuator ((Proace, MDZ))
- Replace brake parts ((Proace, MDZ))
- Replacing/filling the regeneration additive container ((Proace, MDX))
- Leaving the ECO mode ((Proace, MDZ))
- Initializing the differential pressure sensor ((Proace, MDX))
- Adapting the longitudinal acceleration sensor ((Proace, MDZ))
- Replacing transmission components ((Proace, MDZ))
- Deactivating the electronic stability control ((Auris, NRE185L), (Auris, WWE185))
- Calibrating the front camera ((Proace, MDZ))
- Replacing the particle filter ((Proace, MDX), (Proace, MDZ))
- Initializing the air distribution flaps ((Auris, NRE185L), (Corolla, ZRE210), (4Runner, TRN280), (4Runner, TRN285), (Auris, WWE185), (C-HR, NGX50), (C-HR, ZGX11), (Camry, ASV40), (Camry, ASV51), (Camry, ASV50), (Camry, AVV50), (Camry, GSV50), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Corolla, ZEW211), (Yaris, NSP131))
- Initializing the mass airflow sensor ((Proace, MDX))
- Learning the turbocharger ((Proace, MDZ))
- Adapting the clutch biting point ((Corolla, ZZE122), (Corolla, ZZE142))
- Learning the steering-angle sensor ((Auris, NRE185L), (Avensis, ZRT271), (Corolla, ZRE210), (4Runner, TRN280), (4Runner, TRN285), (Auris, WWE185), (Avensis, WWT271), (C-HR, NGX50), (C-HR, ZGX11), (Camry, ASV40), (Camry, ASV51), (Camry, ASV50), (Camry, AVV50), (Camry, GSV50), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Corolla, ZEW211), (Yaris, NSP131))
- De/activating the electric parking brake service mode ((Avensis, ZRT271), (Avensis, WWT271), (Avensis, AZT270))
- Resetting the particulate filter learning values ((Auris, WWE185), (Avensis, WWT271))
- Regenerating the soot particulate filter ((Proace, MDZ))
- Calibrating the steering-angle sensor ((Proace, MDZ))
- Cleaning EGR valve ((Proace, MDZ))



Diagnostic devices

Resetting adaptation values of ABS ECU ((4Runner, TRN280), (4Runner, TRN285), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Yaris, NSP131))

Learning the clutch position ((Corolla, ZZE122), (Corolla, ZZE142), (Yaris, NSP131))

Unlocking the airbag ECU ((Proace, MDX), (Proace, MDZ))

Bleeding the regeneration additive pump/line ((Proace, MDZ))

Regenerating the DeNOx catalyst ((Proace, MDZ))

Initializing the yaw rate sensor ((Auris, NRE185L), (Avensis, ZRT271), (4Runner, TRN280), (4Runner, TRN285), (Auris, NZE151), (Auris, NZE154), (Auris, ZRE152), (Auris, ZRE154), (Auris, AZE156H), (Auris, AZE154H), (Auris, GRE156H), (Auris, NZE181), (Auris, NZE184), (Auris, WWE185), (Auris, ZRE186), (Avensis, WWT271), (Avensis, AZT270), (Avensis, ADT271), (Camry, ASV40), (Camry, GSV40), (Camry, ASV51), (Camry, ASV50), (Camry, GSV50), (Corolla,), (Corolla, ZRE144), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, NZE15), (Corolla, ZRE152), (Corolla, ZRE154), (Corolla, AZE151), (Corolla, NZE141), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE150), (Corolla, NZE144), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla, ZRE173), (IQ,), (Yaris, NSP131))

Removing/installing the gear selector lever ((Proace, MDZ))

Learn transmission hydraulics ((Corolla, ZZE122), (Corolla, ZZE142), (Yaris, NSP131))

Emptying/filling the diesel exhaust fluid tank ((Proace, MDZ))

Initializing the A/C flap actuators ((Proace, MDZ), (Yaris, NSP131))

Calibrating the radar sensor ((Hilux, GUN135), (Hilux, GUN), (Hilux, GUN125), (Hilux, GUN1), (Corolla, ZRE210), (C-HR, NGX50), (C-HR, ZGX11), (Camry, AXVH71), (Corolla, NRE214H), (Corolla, ZEW211))

Bleeding the brake system ((4Runner, TRN280), (4Runner, TRN285), (C-HR, NGX50), (C-HR, ZGX11), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Yaris, NSP131))

Bleeding the ABS/ESC system ((Avensis, ZRT271), (Avensis, WWT271), (Avensis, AZT270), (Proace, MDX))

Configuring the lane change assist ((Corolla, ZRE210), (C-HR, NGX50), (C-HR, ZGX11), (Camry, AXVH71), (Corolla, NRE214H), (Corolla, ZEW211))

Resetting EGR valve learning values ((Auris, WWE185), (Avensis, WWT271))

Resetting learned values of steering angle sensor ((Proace, MDX))

Resetting high-pressure fuel pump adaptation values ((Auris, WWE185), (Avensis, WWT271))

Initializing the fuel level ((Proace, MDX), (Proace, MDZ))

Initializing the transmission ECU ((Corolla, ZZE122), (Corolla, ZZE142), (Yaris, NSP131))

Resetting learned values of swirl flap actuators ((Auris, WWE185), (Avensis, WWT271))



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Diagnostic devices



Adjusting the headlights ((Auris, NRE185L), (Auris, WWE185), (Avensis, WWT271), (C-HR, NGX50), (Camry, ASV40), (Camry, ASV51), (Camry, ASV50), (Camry, AVV50), (Camry, GSV50))

Bleeding the ABS/ESC system ((Proace, MDZ))

Resetting the variable turbocharger adaptation values ((Auris, WWE185), (Avensis, WWT271))

Learning the N position of gearbox ((Corolla, ZZE122), (Corolla, ZZE142))

Activating the roller test stand mode ((Auris, NZE181), (Auris, NZE184), (Auris, ZRE186), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173))

Resetting learned values of fuel pressure regulator ((Auris, WWE185), (Avensis, WWT271))

Calibrating the camera ECU ((Auris, NRE185L), (Avensis, ZRT271), (Corolla, ZRE210), (Auris, NZE181), (Auris, NZE184), (Auris, WWE185), (Auris, ZRE186), (Avensis, WWT271), (C-HR, NGX50), (C-HR, ZGX11), (Camry, AXVH71), (Camry, ASV40), (Camry, ASV51), (Camry, ASV50), (Camry, AVV50), (Camry, GSV50), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Corolla, ZEW211), (Yaris, NSP131))

Initializing the EGR valve ((Proace, MDX))

Activating the start/stop function ((Proace, MDZ))

Regenerating the soot particulate filter during driving ((Proace, MDX))

Gears (comprehensive learning procedure) ((Corolla, ZZE122), (Corolla, ZZE142), (Yaris, NSP131))

Resetting differential pressure sensor learning values ((Auris, WWE185), (Avensis, WWT271))

Regenerating the soot particulate filter at standstill ((Proace, MDX))

Resetting starter learning values ((Auris, NRE185L), (Avensis, ZRT271), (Auris, NZE151), (Auris, NZE154), (Auris, ZRE152), (Auris, ZRE154), (Auris, AZE156H), (Auris, AZE154H), (Auris, GRE156H), (Auris, WWE185), (Avensis, WWT271), (Avensis, AZT270), (Avensis, ADT271), (IQ,))

Activating the roller test stand mode ((Avensis, ZRT271), (4Runner, TRN280), (4Runner, TRN285), (Auris, NZE151), (Auris, NZE154), (Auris, ZRE152), (Auris, ZRE154), (Auris, AZE156H), (Auris, AZE154H), (Auris, GRE156H), (Avensis, WWT271), (Avensis, AZT270), (Camry, ASV40), (Camry, GSV40), (Camry, ASV51), (Camry, ASV50), (Camry, GSV50), (Corolla,), (Corolla, ZRE144), (Corolla, NZE15), (Corolla, ZRE152), (Corolla, ZRE154), (Corolla, NZE141), (Corolla, ZZE150), (Corolla, NZE144), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Yaris, NSP131))

| Codings

Coding the trailer hitch ((Proace, MDZ))

Coding the comfort opening/closing system ((Auris, NRE185L), (Avensis, ZRT271), (Auris, NZE151), (Auris, NZE154), (Auris, ZRE152), (Auris, ZRE154), (Auris, AZE156H), (Auris, AZE154H), (Auris, GRE156H), (Auris, NZE181), (Auris, NZE184), (Auris, ZRE186), (Avensis, WWT271), (Avensis, AZT270), (Avensis, ADT271), (C-HR, NGX50), (C-HR, ZGX11), (IQ,), (Yaris, NSP131))



Diagnostic devices

Registering the battery ((Proace, MDZ))

Coding the interior lighting ((Auris, NRE185L), (Avensis, ZRT271), (Auris, NZE151), (Auris, NZE154), (Auris, ZRE152), (Auris, ZRE154), (Auris, AZE156H), (Auris, AZE154H), (Auris, GRE156H), (Auris, NZE181), (Auris, NZE184), (Auris, ZRE186), (Avensis, WWT271), (Avensis, AZT270), (Avensis, ADT271), (C-HR, NGX50), (C-HR, ZGX11), (IQ,), (Yaris, NSP131))

Coding the tire pressure check ((Auris, NZE181), (Auris, NZE184), (Auris, ZRE186))

Coding the remote control ((Auris, NRE185L), (Corolla, ZRE210), (4Runner, TRN280), (4Runner, TRN285), (Auris, WWE185), (C-HR, NGX50), (C-HR, ZGX11), (Camry, AXVH71), (Camry, AVV50), (Camry, GSV50), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NRE214H), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Corolla, ZEW211), (Yaris, NSP131))

Coding the wheel valves ((Auris, NRE185L), (4Runner, TRN280), (4Runner, TRN285), (Auris, WWE185), (C-HR, NGX50), (C-HR, ZGX11), (Camry, AXVH71), (Camry, ASV40), (Camry, ASV51), (Camry, ASV50), (Camry, AVV50), (Camry, GSV50), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173), (Yaris, NSP131))

Saving camera and object positions ((Camry, AVV50), (Camry, GSV50), (Corolla, NZE161), (Corolla, NZE164), (Corolla, NKE165), (Corolla, ZRE162), (Corolla, AZE151), (Corolla, NZE140), (Corolla, NRE150), (Corolla, ZZE141), (Corolla, ZRE142), (Corolla, ZZE142), (Corolla, ZRE143), (Corolla, ZRE153), (Corolla, AZE141), (Corolla, NRE160), (Corolla, NRE161), (Corolla, ZRE171), (Corolla, ZRE172), (Corolla, ZRE170), (Corolla,), (Corolla, ZRE173))

Coding the intrusion monitoring ((Proace, MDZ))

Coding the VIN ((Proace, MDZ))

Coding injectors ((Auris, WWE185), (Avensis, WWT271), (Proace, MDX), (Proace, MDZ))

Configuring the key warning ((Auris, ZRE152), (Auris, AZE156H), (Auris, AZE154H), (Auris, GRE156H), (Avensis, ADT271), (Camry, GSV40), (IQ,))

Coding the body control module ((Proace, MDX))

| Service resets (Avensis, WWT271), (Proace, MDZ)

Volkswagen

| Trouble codes (Amarok, 2H), (Amarok, S6/S7), (Arteon, 3H), (Bora,), (Caddy, SA), (Crafter,), (Crafter, 2E), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter, SC), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Golf8, CD), (ID.3, E1), (Lupo,), (Passat, 36), (Passat, 3G), (Passat, CB), (Polo, 6C), (Scirocco, 13), (T-Roc, A1), (Tiguan, AD), (Touareg, 7L), (Touareg, CR), (Transporter, 70), (Transporter, 7D), (up!, 12)

| Parameters (Amarok, 2H), (Amarok, S6/S7), (Arteon, 3H), (Bora,), (Caddy, SA), (Crafter,), (Crafter, 2E), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter, SC), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV),



Diagnostic devices

(Golf8, CD), (ID.3, E1), (Lupo,), (Passat, 36), (Passat, 3G), (Passat, CB), (Polo, 6C), (Scirocco, 13), (T-Roc, A1), (Tiguan, AD), (Touareg, 7L), (Touareg, CR), (Transporter, 70), (Transporter, 7D), (up!, 12)

Actuators

(Amarok, 2H), (Amarok, S6/S7), (Arteon, 3H), (Bora,), (Caddy, SA), (Crafter,), (Crafter, 2E), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter, SC), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Golf8, CD), (ID.3, E1), (Lupo,), (Passat, 36), (Passat, 3G), (Passat, CB), (Polo, 6C), (Scirocco, 13), (T-Roc, A1), (Tiguan, AD), (Touareg, 7L), (Touareg, CR), (Transporter, 70), (Transporter, 7D), (up!, 12)

Basic settings

Resetting fuel system adaptation values ((Crafter, 2E), (Amarok, 2H), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC))

Regenerating the soot particulate filter ((T-Roc, A1), (Touareg, CR), (Passat, CB), (Passat, 3G), (Crafter, 2E), (Golf8, CD), (Arteon, 3H), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf7, AUV), (Crafter, SC), (Tiguan, AD))

Initializing the ESC sensors ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Polo, 6C), (Tiguan, AD))

Zero reset of longitudinal acceleration sensor (MK60) ((Bora,), (Touareg, 7L))

Initialize tire pressure sensors ((Golf5, 1KM))

Initializing the boost pressure regulator ((Scirocco, 13), (Passat, CB), (Arteon, 3H), (Golf7,), (Golf7, AUV), (up!, 12), (Passat, 3G), (Polo, 6C), (T-Roc, A1), (Tiguan, AD))

Performing engine adaptations ((T-Roc, A1), (Passat, CB), (Passat, 3G), (Arteon, 3H), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Crafter, SC), (Golf8, CD))

Initialize actuator of coolant temperature control ((Passat, CB), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Polo, 6C))

Adapting the soot particulate filter ((Caddy, 2C), (Amarok, S6/S7), (Touran, 1T), (T-Roc, A1), (Passat, CB), (Passat, 3G), (Crafter, 2E), (Golf8, CD), (Arteon, 3H), (Amarok, 2H), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf7, AUV), (Crafter, SC), (Polo, 6C), (Tiguan, AD))

Learning the steering-angle sensor ((Tiguan, AD))

Resetting gen. ECU learning values ((Scirocco, 13), (Amarok, 2H), (Amarok, S6/S7), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (up!, 12), (Passat, 36), (Touareg, 7L))

Initializing the air distribution flap actuator ((Crafter,), (Crafter, SZN1E,SZN2E), (Crafter, SC))

Adapting the longitudinal acceleration sensor ((Fox, 5Z))

Initializing the exhaust gas flap ((Touareg, CR))

Calibrating the camera ECU ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Crafter, 2E), (Golf8, CD), (ID.3, E1), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Tiguan, AD), (Touareg, 7L))

TESTING LAMBDA-CONVERSION BANK 1 ((Bora,))

Initialize 4WD clutch oil pump ((Tiguan, 5N), (Sharan, 7N), (Golf7, 5G), (Golf7, BA), (Golf7, AM), (Golf7, BE), (Passat, 3G), (Caddy, SA), (Tiguan, AD), (Transporter, SF), (Crafter, SY), (Crafter, SZ), (Golf7, AN), (Golf7, BV), (Transporter, SG), (Golf7, BQ), (Arteon, 3H), (Tiguan, BW), (T-Roc, A1), (Golf7,), (Passat, CB), (Transporter, SH), (Transporter, SJ), (Golf8, CD), (T-Roc, AC), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf7, AUV), (Crafter, SC))



Diagnostic devices

Resetting the impact mode ((Golf7, AM), (Passat, 3G), (Touran, 5T), (Golf7, 5G), (Tiguan, AD), (Golf7, BV), (Golf7, BQ), (Golf7, BE), (Golf7, BA), (Tiguan, BW), (Golf7, AN), (Golf7,), (T-Roc, A1), (Passat, CB), (Arteon, 3H), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf7, AUV), (Crafter, SC), (up!, 12), (Polo, 6C))

Adapting the normal position of ride-height levelling ((Touareg, 7L))

Zero reset of longitudinal acceleration sensor (MK20) ((Bora,))

Adapting the variable camshaft timing ((Caddy, SA))

Activating the roller test stand mode ((Scirocco, 13), (Amarok, 2H), (Golf6, 5K))

Checking learned values of oxygen sensor before catalyst ((Bora,))

Adapting the DEF injection system ((T-Roc, A1), (Touareg, CR), (Passat, CB), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Crafter, SC))

Checking the gearbox oil level ((Caddy, SA), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Scirocco, 13))

Initializing lateral/longitudinal/rotation acceleration sensor ((Crafter, 2E), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC))

Initializing the lateral acceleration sensor ((Scirocco, 13), (Amarok, 2H), (Bora,), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Touareg, 7L))

Service position of air conditioning actuators ((Touareg, 7L))

Resetting engine adaptation values ((T-Roc, A1), (Scirocco, 13), (Passat, CB), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 3G), (Polo, 6C))

Adapting the electronic damper control ((Scirocco, 13), (Golf6, 5K))

Checking the ash buildup of soot particulate filter ((Crafter, 2E), (Amarok, 2H), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC))

Adapt the intake manifold flap ((Amarok, 2H), (Fox, 5Z), (Passat, 36), (Touareg, 7L))

Resetting the start inhibitor of DEF injection system ((Touareg, CR), (Passat, 3G), (Arteon, 3H), (Golf8, CD))

Reset learned values of injectors. ((Golf8, CD), (Arteon, 3H), (Golf7, AUV), (Tiguan, AD))

Brake-pressure sensor (MK60) ((Bora,))

Locking/unlocking the ride height leveling ((Touareg, CR))

Calibrating the lane departure warning system camera ((Passat, 36))

Performing the initial run-in of the air conditioning compressor ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Polo, 6C), (Scirocco, 13), (Tiguan, AD))

Check lambda ageing bank 1 before catalyst ((Bora,), (Lupo,), (Transporter, 7D), (Transporter, 70))

Initializing the tilt/slide sunroof ((Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Scirocco, 13))

Resetting the refrigerant loss counter ((Touareg, CR))

Initializing the A/C flap actuators ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Golf6, 5K), (Polo, 6C), (Scirocco, 13), (Tiguan, AD))

Learning the turbocharger ((Caddy, 2C), (Touran, 1T), (Caddy, SA))



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Diagnostic devices



Test of lambda status probe 1 + 2 ((Bora,), (Lupo,))

Adapting the radiator shutter ((Golf7, 5G), (Golf7, BA), (Golf7, AM), (Golf7, AN), (Golf7, BQ), (Golf7, BV), (Touareg, CR), (Golf8, CD), (Arteon, 3H), (Golf7, AUV), (Tiguan, AD))

Adjusting the headlights ((Passat, 3G), (Touareg, CR), (Passat, CB), (Golf8, CD), (Caddy, SA))

Adapting oil pressure for engine run-in ((Golf7, BA), (Golf7, AM), (Polo, 6C), (Golf7, BV), (Golf7, BQ), (Golf7, AN), (T-Roc, A1), (Scirocco, 13), (Passat, CB), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 3G))

Bleeding the cooling system ((T-Roc, A1), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Amarok, S6/S7), (Caddy, SA), (Golf7,), (Golf7, AUV), (Polo, 6C), (Tiguan, AD))

Filling/bleeding the pneumatic suspension system ((Touareg, 7L))

Unlocking/locking the self-steering rear axle ((Touareg, CR))

Calibrating the tire pressure monitoring system ((Scirocco, 13), (Golf5, 1K), (Golf6, 5K), (Passat, 36))

Resetting the diesel exhaust fluid level ((Passat, 3G), (Arteon, 3H), (Golf8, CD))

Resetting oxygen sensor adaptation values ((Caddy, 2C), (Touran, 1T), (Crafter, 2E), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC))

Regenerating the soot particulate filter ((Caddy, 2C), (Amarok, S6/S7), (Touran, 1T), (Amarok, 2H), (Caddy, SA))

Performing transmission adaptations ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Crafter, 2E), (Arteon, 3H), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Golf7,), (Golf7, AUV), (up!, 12), (Polo, 6C), (Tiguan, AD))

Initializing the seat belt tensioner ECU ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Tiguan, AD))

Bringing gear actuator of direct shift transmission in neutral position ((Scirocco, 13), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (up!, 12))

Learning the turbocharger ((Touareg, CR))

Learning the throttle valve ((Scirocco, 13), (Passat, CB), (Crafter, 2E), (Golf8, CD), (Arteon, 3H), (Amarok, 2H), (Bora,), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Fox, 5Z), (Golf6, 5K), (Golf7,), (Golf7, AUV), (up!, 12), (Lupo,), (Passat, 36), (Passat, 3G), (Polo, 6C), (T-Roc, A1), (Tiguan, AD), (Transporter, 7D), (Transporter, 70))

Initializing the brake-pressure sensor ((T-Roc, A1), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (up!, 12), (Passat, 36), (Tiguan, AD), (Touareg, 7L))

Adapting the aux. heater ((Passat, 36))

Test of lambda controller after CAT ((Bora,))

Resetting gearbox learning values ((Bora,), (Lupo,), (Passat, 36), (Transporter, 7D), (Transporter, 70))

Initializing the high-pressure fuel pump ((Touareg, CR))

Test of lambda controller before CAT ((Bora,))

Initialize minimum quantity deviation of the injectors ((Caddy, SA))

Retracting parking brake ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Passat, 36), (Tiguan, AD))

Initializing the transmission ECU ((Scirocco, 13), (Caddy, SA), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36))



Diagnostic devices

Reducing fuel high pressure ((Golf6, AJ), (Tiguan, 5N), (Golf6, 51), (Jetta, 16), (Jetta, 1K), (Passat, 3C), (Scirocco, 13), (Golf6, 52), (Golf5, 5M), (Golf5, 1K), (Golf6, 5K), (Passat, 36), (Eos, 1F), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Passat, 3G), (Polo, 6C), (Tiguan, AD))

Test of secondary air valve bank 1 ((Bora,))

2.TDI start of injection ((Transporter, 70))

Configuring the lane change assist ((Touareg, CR), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Passat, 36), (Tiguan, AD), (Touareg, 7L))

Resetting timing chain adaptation values ((Passat, CB), (Golf7,), (Golf7, AUV), (Polo, 6C))

Initializing the neutral position sensor ((T-Roc, A1), (Scirocco, 13), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 3G), (Polo, 6C), (Tiguan, AD))

Checking oxygen sensor (bank 2) before catalyst ((Bora,), (Transporter, 7D), (Transporter, 70))

Initializing the EGR valve ((Caddy, 2C), (Touran, 1T), (Crafter, 2E), (Amarok, 2H), (Bora,), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Golf6, 5K), (Lupo,))

Spark adjustment ((Transporter, 7D), (Transporter, 70))

Adapting the fuel burning heater remote control ((T-Roc, A1), (Touareg, CR), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Tiguan, AD), (Touareg, 7L))

Unlocking aux. heater/independent car heater ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Scirocco, 13), (Tiguan, AD), (Touareg, 7L))

Calibrating the front edge radar ((Touareg, CR))

Resetting the engine ECU learning values (SIMOS) ((Transporter, 7D), (Transporter, 70))

Initializing the fuel quantity adjuster ((Touareg, CR))

Initializing the adaptive cruise control ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (ID.3, E1), (Arteon, 3H), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Polo, 6C), (Tiguan, AD))

Initializing the oxidation catalyst ((Passat, 3G), (Arteon, 3H), (Golf8, CD))

Reset exhaust-gas aftertreatment filter learning values ((Touareg, CR))

Brake-pressure sensor (MK20) ((Bora,))

Adapting the electro-mechanical power steering ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Bleeding the fuel system ((Caddy, 2C), (Touran, 1T), (Transporter, SG), (Transporter, SF), (T-Roc, A1), (Touareg, CR), (Passat, CB), (Passat, 3G), (Crafter, 2E), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Golf5, 1K), (Golf5, 1KM), (Golf7, AUV), (Tiguan, AD), (Golf8, CD))

Burning off aux. heater/independent car heater ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Scirocco, 13), (Tiguan, AD), (Touareg, 7L))

Calibrating the steering-angle sensor ((Passat, 3G), (Passat, CB), (Arteon, 3H), (Golf5, 1K), (Golf5, 1KM), (Golf7,), (Golf7, AUV), (Polo, 6C), (Scirocco, 13))



Diagnostic devices

Learning the steering-angle sensor ((Caddy, SA), (Transporter, SF), (Transporter, SG), (T-Roc, A1), (Touareg, CR), (Scirocco, 13), (Amarok, 2H), (Bora,), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Fox, 5Z), (Golf6, 5K), (Crafter, SC), (up!, 12), (Passat, 36), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

Special bleeding (MK60) ((Bora,))

Resetting air filter learned values ((Crafter, 2E), (Amarok, 2H), (Amarok, S6/S7), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC))

Adjusting the xenon headlight ((Scirocco, 13), (Bora,), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Touareg, 7L))

Adapting the exhaust gas pressure sensor ((Caddy, 2C), (Caddy, 2K), (Touran, 1T), (Touareg, CR), (Crafter, 2E), (Amarok, 2H), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC))

Initializing the adaptive cruise control ((Golf8, CD), (Caddy, SA))

Special bleeding ((Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Scirocco, 13), (Touareg, 7L))

Activating the retrofitted parking heater ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Golf8, CD), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Tiguan, AD))

Adapting the electronic climate control ((Touareg, CR), (Scirocco, 13), (Passat, CB), (Crafter, 2E), (Golf8, CD), (ID.3, E1), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Bora,), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter,), (Crafter, SZN1E,SZN2E), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Lupo,), (Passat, 36), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

1.TDI start of injection ((Transporter, 70))

Extending parking brake ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Passat, 36), (Tiguan, AD))

Calibrating the parking brake ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Passat, 36), (Tiguan, AD))

Adjust headlight with/without dynamic light control (DLA) ((T-Roc, A1), (Arteon, 3H), (Golf7,), (Golf7, AUV), (Passat, 36), (Polo, 6C), (Tiguan, AD))

| Codings

Coding the trailer hitch ((Crafter, 2E), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the language version ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (Polo, 6C), (Tiguan, AD))

Deactivating/activating the alternating park position ((Passat, 36))

Coding the keys ((Bora,), (Transporter, 7D), (Transporter, 70))

Variable service interval coding ((Scirocco, 13), (Amarok, 2H), (Bora,), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

Coding the door ECU RR ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the headlight leveling system ((Scirocco, 13), (Golf5, 1K), (Golf5, 1KM), (Touareg, 7L))

Activating cruise control ((Bora,), (Fox, 5Z), (Lupo,), (Transporter, 7D), (Transporter, 70))

Code light control ((Bora,), (Touareg, 7L))

Adapting the power steering after replacement ((Passat, 36), (CC, 35), (CC, 35), (Scirocco, 13), (Caddy, SA), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K))



Diagnostic devices

Deactivating the alternating park position of wipers ((Scirocco, 13), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K))

Coding injectors ((Touran, 1T), (T-Roc, A1), (Touareg, CR), (Passat, CB), (Passat, 3G), (Crafter, 2E), (Arteon, 3H), (Golf8, CD), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter,), (Crafter, SZN1E,SZN2E), (Crafter, SC))

Coding the body control module ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the ACC ((Bora,), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Passat, 36), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

General ECU replacement ((T-Roc, A1), (Touareg, CR), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 36), (Polo, 6C), (Tiguan, AD), (Touareg, 7L))

Expert mode ECU coding ((T-Roc, A1), (Touareg, CR), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 36), (Polo, 6C), (Tiguan, AD), (Touareg, 7L))

Coding the rain/light sensor ((T-Roc, A1), (Touareg, CR), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Golf8, CD), (ID.3, E1), (Arteon, 3H), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Polo, 6C), (Tiguan, AD), (Touareg, 7L))

Deactivating/activating the transport mode ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 36), (Polo, 6C), (Scirocco, 13), (Tiguan, AD))

Adapting immobiliser to engine ECU ((Bora,), (Transporter, 7D), (Transporter, 70))

Replacing the headlight/power module ((Golf6, 5K), (Golf7,), (Golf7, AUV), (Passat, 36), (Scirocco, 13))

Coding the language version of instrument cluster ((Scirocco, 13), (Amarok, 2H), (Amarok, S6/S7), (Bora,), (Caddy, SA), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Transporter, 7D), (Transporter, 70))

Coding the parking brake ECU ((Passat, 36))

Coding the engine ECU ((Bora,), (Fox, 5Z), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

Coding the door ECU FL ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the fuel burning heater ((Scirocco, 13), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36))

Adjust parking assistance volume ((T-Roc, A1), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Golf8, CD), (ID.3, E1), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Polo, 6C), (Tiguan, AD))

Coding the remote control ((Amarok, 2H), (Amarok, S6/S7))

Coding the steering-column module ((Scirocco, 13), (Caddy, SA), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36))

De-/activating the cruise control ((Scirocco, 13), (Amarok, 2H), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Polo, 6C), (Touareg, 7L))



Diagnostic devices

Adapting the trailer hitch to advanced driver assistance systems ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Polo, 6C), (Tiguan, AD))

Coding the central comfort module ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the gearbox ECU ((Bora,), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Lupo,), (Passat, 36), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

Registering the battery ((T-Roc, A1), (Touareg, CR), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Polo, 6C), (Tiguan, AD))

Coding the ABS ECU (2. generation) ((Bora,))

Coding the parking assist ((Amarok, 2H), (Amarok, S6/S7), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (up!, 12), (Scirocco, 13))

Coding the radio ((Bora,), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Lupo,), (Passat, 36))

Coding the ABS ECU (1. generation) ((Bora,))

Coding the radio remote control ((Scirocco, 13), (Bora,), (Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Passat, 36), (Transporter, 7D), (Transporter, 70))

Coding the trailer detection ((T-Roc, A1), (Touareg, CR), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Passat, 36), (Polo, 6C), (Scirocco, 13), (Tiguan, AD))

Coding the ABS ECU ((Fox, 5Z), (Golf5, 1K), (Golf5, 1KM), (Lupo,), (Passat, 36), (Touareg, 7L), (Transporter, 7D), (Transporter, 70))

Deactivating cruise control ((Bora,), (Fox, 5Z), (Lupo,), (Transporter, 7D), (Transporter, 70))

Coding the door ECU FR ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the door ECU RL ((Golf5, 1K), (Golf5, 1KM), (Passat, 36))

Coding the power steering ((Fox, 5Z))

De/activating the trailer hitch ((T-Roc, A1), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (Polo, 6C), (Scirocco, 13), (Tiguan, AD))

Coding the gateway installation list ((T-Roc, A1), (Scirocco, 13), (Passat, 3G), (Passat, CB), (Arteon, 3H), (Amarok, 2H), (Amarok, S6/S7), (Caddy, SA), (Crafter,), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Crafter, SC), (up!, 12), (Passat, 36), (Polo, 6C), (Tiguan, AD))

Replacing the airbag ECU ((Golf5, 1K), (Golf5, 1KM))

Coding the instrument cluster ((Transporter, 7D), (Transporter, 70))

Service resets

(Amarok, 2H), (Amarok, S6/S7), (Arteon, 3H), (Bora,), (Caddy, SA), (Crafter,), (Crafter, 2E), (Crafter, 2EC2-FAC), (Crafter, 2FJE2-FAC), (Crafter, SC), (Crafter, SYN1E,SYN2E), (Crafter, SZN1E,SZN2E), (Golf5, 1K), (Golf5, 1KM), (Golf6, 5K), (Golf7,), (Golf7, AUV), (Golf8, CD), (Lupo,), (Passat, 36), (Passat, 3G), (Passat, CB), (Polo, 6C), (Polo, AW), (Scirocco, 13), (T-Cross, C1), (T-Roc, A1), (T-Roc, AC), (Tiguan, AD), (Touareg, 7L), (Touareg, CR), (Touran, 5T), (Transporter, 70), (Transporter, 7D), (up!, 12)



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Diagnostic devices



Volvo

Trouble codes	(S80-I, TS), (V40-II, MV), (V60-II, ZW), (V70-III, BW), (V90-II, PZ), (XC40, XZ), (XC60-II, UZ), (XC90-II, LC,LF)
Parameters	(S80-I, TS), (V40-II, MV), (V60-II, ZW), (V70-III, BW), (V90-II, PZ), (XC40, XZ), (XC60-II, UZ), (XC90-I, CM,CR,CT,CZ), (XC90-II, LC,LF)
Actuators	(S80-I, TS), (V40-II, MV), (V60-II, ZW), (V90-II, PZ), (XC40, XZ), (XC60-II, UZ), (XC90-II, LC,LF)
Basic settings	<p>Resetting throttle valve adaptation values ((V60-I, FW), (V60-I, GW), (V60-I, FZ), (S60-II, FS))</p> <p>Resetting fuel system adaptation values ((V60-I, FW), (V60-I, FZ))</p> <p>Resetting rear-axle differential adaptation values ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))</p> <p>Adapting the installation position of side obstacle detection ECU ((XC60-II, UZ))</p> <p>Adapting the turbocharger controller ((V70-III, BW))</p> <p>Adapting the installation position of side obstacle detection ECU ((XC40, XZ))</p> <p>Learning the lambda sensor ((V70-III, BW))</p> <p>Resetting EGR valve learning values ((V60-I, FW), (V60-I, FZ))</p> <p>Adapting the swirl channel flap ((V70-III, BW))</p> <p>Resetting learned values of side obstacle detection ((XC60-II, UZ), (XC40, XZ))</p> <p>Reset learned values of injectors. ((V40-II, MV), (V40-II, MZ))</p> <p>Resetting learned values of the battery monitoring ECU ((V40-II, MV), (V40-II, MZ), (V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))</p> <p>Initializing ride height sensors ((V70-III, BW), (V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))</p> <p>Performing engine adaptations ((XC60-II, UZ))</p> <p>Resetting mass airflow sensor adaptation values ((V60-I, FW), (V60-I, GW), (V60-I, FZ), (S60-II, FS))</p> <p>Initializing the air distribution flaps ((V70-III, BW))</p> <p>Learning the steering-angle sensor ((V60-II, ZW))</p> <p>De/activating the parking brake service mode ((V60-II, ZW), (V90-II, PZ), (XC90-II, LC,LF), (XC40, XZ))</p> <p>Resetting learned values of throttle valve actuator ((V70-III, BW))</p> <p>Learning the steering-angle sensor ((V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))</p> <p>Resetting the particulate filter learning values ((V70-III, BW))</p> <p>Changing automatic transmission fluid ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))</p> <p>Regenerating the soot particulate filter ((V70-III, BW), (V70-II, SW), (V70-II, SZ), (S60-I, RS), (S80-II, AR,AS), (XC70-II, SZ), (XC90-I, CM,CR,CT,CZ), (S60-II, FS))</p> <p>Resetting gearbox learning values ((V70-III, BW), (V40-II, MV), (V40-II, MZ), (V60-II, ZW), (V90-II, PZ), (XC90-II, LC,LF), (XC40, XZ))</p> <p>Resetting gearbox learning values ((V60-I, FW), (V60-I, GW), (V60-I, FZ), (S60-II, FS), (XC60-II, UZ))</p>



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Diagnostic devices



- Resetting adaptation values of electromechanical power steering ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Bleeding the transfer case oil pump ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Adapting the longitudinal acceleration sensor ((V70-III, BW))
- Initializing the A/C flap actuators ((XC40, XZ))
- Calibrating the camera and radar system ((V40-II, MV), (V40-II, MZ), (V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Resetting learned values of ABS hydraulic unit ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))
- Reset learned values of injectors. ((V60-I, FW), (V60-I, FZ))
- Initialize acceleration sensor ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Calibrating the compass in the interior rear-view mirror ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Resetting the air flow sensor adaptation values ((V70-III, BW))
- Resetting brake system adaptation values ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))
- Resetting differential pressure sensor learning values ((V70-III, BW))
- Initializing lateral/longitudinal/rotation acceleration sensor ((V40-II, MV), (V40-II, MZ))
- Adapting the pressure control valve ((V70-III, BW))
- Resetting EGR valve learning values ((V60-I, FW), (V60-I, GW), (V60-I, FZ), (S60-II, FS), (XC40, XZ))
- Initializing the A/C flap actuators ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))
- Resetting the impact mode ((V70-III, BW))
- Activating the gear indicator in instrument cluster ((V60-II, ZW), (V90-II, PZ))
- Resetting learned values of side obstacle detection ((V60-II, ZW), (V90-II, PZ), (XC90-II, LC,LF))
- Learning the brake pedal position ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- De/activating the parking brake service mode ((XC60-II, UZ))
- Resetting the air-fuel ratio adaptation values ((V60-II, ZW), (V90-II, PZ))
- Resetting the tire pressure monitoring ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Initialize acceleration sensor ((XC40, XZ))
- Initializing the sunroof actuator ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))
- Resetting neutral position sensor adaptation values ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC40, XZ))
- Calibrating the rearview camera/all-round vision camera ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF))
- Identifying new A/C components ((V60-II, ZW), (V90-II, PZ), (XC60-II, UZ), (XC90-II, LC,LF), (XC40, XZ))



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Resetting the soot particulate filter ((V60-I, FW), (V60-I, FZ))

Initializing the air conditioning ECU ((V40-II, MV), (V40-II, MZ))

| Codings

| Service resets

((V40-II, MV), (V60-II, ZW), (V90-II, PZ), (XC40, XZ), (XC60-II, UZ), (XC90-II, LC,LF))