



HGS Software-News

Diagnostic devices



Additions And Modifications In Software Version 59

Things to know – an overview

New

| General

- Alternative sorting of all columns in Vehicle selection, e.g. chronological listing of year of production

| mega macs 56 BIKE

- Measuring technology for pressure measurement & guided measurements

| mega macs 66 / mega macs 56 / mega macs PC

- New data categories for driver assistance systems & light

Modifications

| Renault Scénic-IV

- No more error messages when deleting trouble codes in all systems.

| BPC-Tool Firmware 2.1E

- Adjustment of backlighting and system noise detection

| mega macs 42 SE

- The HGS key enables transfer of protocols together with Car History.

| Car History

- Long parameter titles are saved in their entirety.

| mega macs 42 | Car History

- The odometer reading can be saved and printed.

| Renault Kadjar | Car History

- The values from the basic setting of calibrating the camera ECU can be saved.

| mega macs 66 | Car History

- Parameters are once more visible in their entirety above the play button.

| mega macs 66 / mega macs 56 / mega macs PC

- The license number can be reset in the menu for country specific vehicle search.

| Guided Measurements

- Automatic selection of options
- During a measurement procedure the changeover between vehicle types (passenger car/motorcycle) is now locked.
- The system failure encountered during battery diagnostics has been resolved.



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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** (Giulia (952), 952), (Giulietta (940), 940), (Stelvio (949), 949)
- | **Parameters** (Giulia (952), 952), (Giulietta (940), 940), (Stelvio (949), 949)
- | **Actuators** (Giulietta (940), 940)
- | **Basic settings**
 - Initializing the high-pressure EGR valve ((Giulietta (940), 940))
 - Initializing the clutch pedal position ((Giulietta (940), 940))
 - Initializing the mass airflow sensor ((Giulietta (940), 940))
 - Resetting differential pressure sensor learning values ((Giulietta (940), 940))
 - Learning the lambda sensor ((Giulietta (940), 940))
 - Regenerating the soot particulate filter ((Giulietta (940), 940))
 - Initializing the neutral position sensor ((Giulietta (940), 940))
 - Resetting engine adaptation values of auxiliary aggregates/systems ((Giulietta (940), 940))
 - Initializing the fuel high-pressure sensor ((Giulietta (940), 940))
 - Initializing the low pressure EGR valve ((Giulietta (940), 940))
- | **Codings**
 - Coding injectors ((Giulietta (940), 940))
 - Coding the instrument cluster ((Mito (955), 955), (Giulietta (940), 940))
- | **Service resets**

Audi

- | **Trouble codes** (A4, 8K), (A5, 8F), (A5, 8T), (Q5, 8R), (Q5, FY), (TT, FV)
- | **Parameters** (A4, 8K), (A5, 8F), (A5, 8T), (Q5, 8R), (Q5, FY), (TT, FV)
- | **Actuators** (A4, 8K), (A5, 8F), (A5, 8T), (Q5, 8R), (Q5, FY)
- | **Basic settings**
 - Adjusting the headlights ((e-tron, GE))
 - Checking emergency battery of emergency call system/telematics system ((Q7, 4M), (A4, 8W), (S4, 8W), (A5, F5), (S5, F5), (Q5, FY), (RS5, F5), (RS4, 8W), (A8, 4N), (A6, 4A), (A7, 4K), (Q8, 4M), (S6, 4A), (S7, 4K), (e-tron, GE))
 - Bleeding the cooling system ((A4, 8K))



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Resetting the diesel exhaust fluid level ((A6, 4A), (A7, 4K), (A4, 8W), (Q5, FY))

Replacing emergency battery of emergency call system/telematics system ((Q7, 4M), (A4, 8W), (S4, 8W), (A5, F5), (S5, F5), (Q5, FY), (RS5, F5), (RS4, 8W), (A8, 4N), (A6, 4A), (A7, 4K), (Q8, 4M), (S6, 4A), (S7, 4K), (e-tron, GE))

Adapting the DEF injection system ((Q5, 8R))

Fronteckradar kalibrieren ((Q7, 4M), (A8, 4N), (A6, 4A), (A7, 4K), (Q8, 4M), (S6, 4A), (S7, 4K), (e-tron, GE))

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

| Codings

Adapting the trailer hitch to advanced driver assistance systems ((A8, 4N), (Q8, 4M))

De/activating the trailer hitch ((A8, 4N), (Q8, 4M))

| Service resets

BMW

| Trouble codes

(X1, F48), (X6, G06), (X7, G07)

| Parameters

(1 Ser., F40), (X1, F48), (X5, G05), (X6, G06), (X7, G07)

| Actuators

(1 Ser., F40), (X1, F48), (X6, G06), (X7, G07)

| Basic settings

Initializing the SCR system ((3 Ser., F31), (3 Ser., F30), (4 Ser., F32), (4 Ser., F36), (4 Ser., F33), (3 Ser., F34))

Calibrating the steering-angle sensor ((X1, F48))

Resetting reference values ((X1, F48))

Activating the fuel pump ((X1, F48))

Bleeding the fuel system ((X5, F15))

Resetting engine adaptation values ((X1, F48))

Resetting the ECU ((X1, F48))

Adapting the headlight motor ((X1, F48))

Initializing the turn signal front ((X1, F48))

Learning the power windows ((X1, F48), (X6, G06))

Initializing the electronic stability control sensors ((X1, F48))

Adapting the electronic damper control ((X1, F48))

Initializing the rain sensor ((X6, G06))

Reset equipment variant ((X1, F48))

Gearbox bleeding ((X1, F48))

Resetting the mixture adjustment ((1 Ser., F40))

Resetting the pulse-generator ring adaptation ((1 Ser., F40), (X1, F48))

Unlocking the electric auxiliary heater ((X6, G06))



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- Calibrating the front camera ((X1, F48), (X6, G06))
- Draining/filling the refrigerant circuit ((X6, G06))
- Resetting the mixture adjustment ((X1, F48))
- Initializing the air distribution flaps ((X1, F48))
- Resetting fuel system adaptation values ((X1, F48))
- De/activating the parking brake service mode ((7 Ser., G11), (7 Ser., G12), (X5, G05), (3 Ser., G20), (X7, G07), (3 Ser., G21), (8 Ser., F92), (X6, G06))
- Resetting learned values of throttle valve actuator ((2 Ser., F45), (2 Ser., F46), (X1, F48), (X2, F39), (3 Ser., G20), (Z4, G29), (1 Ser., F40), (3 Ser., G21))
- Initializing the tilt/slide sunroof ((1 Ser., F40))
- Adapting the A/C compressor ((X1, F48), (X6, G06))
- Configuring the head-up display ((X1, F48))
- Initializing the glow plugs ((3 Ser., G20), (3 Ser., G21))
- Activating the assembly position of the exhaust gas flap actuator ((X6, G06))
- Adapt shifting speed regulation ((X1, F48))
- Resetting learned values of the transmission ECU ((X1, F48))
- Moving the air distribution flaps to service position ((X6, G06))
- Setting vehicle into sleep mode ((X1, F48))
- Resetting the valve stroke adaptation initialization values ((Z4, G29), (1 Ser., F40), (X1, F48))
- Initializing the rain/light sensor ((X1, F48))
- Initializing the exhaust gas flap ((X6, G06))
- Initialize acceleration sensor ((X1, F48))
- Special bleeding ((X1, F48))
- Resetting transfer case adaptation values ((X1, F48))
- Calibrating the radar sensor ((X1, F48), (X6, G06))
- Resetting the quantity mean value adaptation ((X1, F48))
- Initializing the gear sensor ((1 Ser., F40), (X1, F48))
- Resetting transfer case adaptation values ((X7, G07), (X6, G06))
- Standardizing the liftgate ((X1, F48), (X6, G06))
- Adapting the active roll stabilizer ((5 Ser., E60), (5 Ser., E61))
- Reset fuel pump learning values ((1 Ser., F40))
- Initializing the variable valve lift ((1 Ser., F40), (X1, F48))
- Unlocking aux. heater/independent car heater ((X6, G06))
- Configuring the lane change assist ((X6, G06))
- De/activating the parking brake service mode ((X1, F48))
- Readdressing air distribution flaps ((X1, F48))
- Deactivating the service mode of SCR ECU ((3 Ser., F30), (3 Ser., F31), (3 Ser., F34), (4 Ser., F32), (4 Ser., F33), (4 Ser., F36), (X6, G06))



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Bleeding the cooling system ((5 Ser., G31), (5 Ser., G30), (X3, G01), (X4, G02), (3 Ser., G20), (3 Ser., G21))

Adapting the variable camshaft timing ((X1, F48))

Interchanged brake pipe check ((X1, F48))

Initializing the sunroof actuator ((X1, F48))

Adjusting the boost control rod ((1 Ser., F40), (X1, F48))

Resetting starter learning values ((X1, F48))

Unlocking aux. heater/independent car heater ((X1, F48))

Calibrating the rearview camera/all-round vision camera ((7 Ser., G11), (7 Ser., G12), (5 Ser., G31), (5 Ser., G30), (X3, G01), (6 Ser., G32), (X4, G02), (8 Ser., G15), (X5, G05), (8 Ser., G14), (X7, G07), (8 Ser., G16), (X1, F48), (X6, G06))

Initializing pre-programmed keys ((X1, F48))

Initializing the neutral position sensor ((X1, F48))

Resetting differential pressure sensor learning values ((8 Ser., G15), (Z4, G29), (8 Ser., G14), (8 Ser., G16))

- | **Codings**
 - Registering the battery ((1 Ser., F40), (X1, F48), (X6, G06))
 - Coding injectors ((1 Ser., F40), (X1, F48))
 - Coding the idle rpm ((1 Ser., F40), (X1, F48))
- | **Service resets**
 - (1 Ser., F40), (X1, F48), (X2, F39), (X6, G06)

Dacia

- | **Trouble codes**
 - (Duster-II,)
- | **Parameters**
 - (Duster-II,)
- | **Actuators**
 - (Duster-II,)
- | **Basic settings**
 - Learning the steering-angle sensor ((Duster-II,))
- | **Codings**
 - Airbag ECU locking/unlocking ((Duster-II,))
- | **Service resets**
 -

DS Automobiles

- | **Trouble codes**
 - (DS3 Crossback, U)
- | **Parameters**
 - (DS3 Crossback, U), (DS7, J)
- | **Actuators**
 - (DS3 Crossback, U), (DS7, J)



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| Basic settings

- Replacing the lean NOx catalyst ((DS3 Crossback, U))
- Initializing the transmission selector actuator ((DS7, J))
- Adapting the accelerator sensor ((DS3 Crossback, U))
- Learning the flywheel ((DS7, J), (DS3 Crossback, U))
- Adapting the clutch biting point ((DS3 Crossback, U))
- Replacing the exhaust manifold ((DS7, J), (DS3 Crossback, U))
- Resetting the diesel exhaust fluid level ((DS7, J), (DS3 Crossback, U))
- Learning the throttle valve ((DS3 Crossback, U))
- Initializing the DeNOx system ((DS7, J), (DS3 Crossback, U))
- Resetting the knock counter ((DS3 Crossback, U))
- Adapting the clutch biting point ((DS7, J))
- Deactivating the torque limitation ((DS3 Crossback, U))
- Initialize starter ((DS3 Crossback, U))
- Adapting the longitudinal acceleration sensor ((DS7, J), (DS3 Crossback, U))
- Adapting the turbine wheel shut-off valve ((DS7, J), (DS3 Crossback, U))
- Replacing the particle filter ((DS3 Crossback, U))
- Initializing the air distribution flaps ((DS7, J))
- Calibrating the night vision assist ((DS7, J))
- Learning the turbocharger ((DS7, J), (DS3 Crossback, U))
- Calibrating the steering-angle sensor ((DS7, J))
- Bleeding the fuel presupply system ((DS7, J), (DS3 Crossback, U))
- Notbremsassistent reaktivieren ((DS3 Crossback, U))
- Zähler Duftpatronenblock zurücksetzen ((DS3 Crossback, U))
- Replacing transmission components ((DS7, J))
- Bleeding the fuel system ((DS7, J), (DS3 Crossback, U))
- Resetting the misfire counter ((DS3 Crossback, U))
- Cleaning EGR valve ((DS7, J), (DS3 Crossback, U))
- Initializing the fuel level ((DS3 Crossback, U))
- Replace brake parts ((DS7, J), (DS3 Crossback, U))
- Activating the wiper service position ((DS7, J))
- Initializing the rain/light sensor ((DS7, J), (DS3 Crossback, U))
- Initializing the air metering system ((DS7, J), (DS3 Crossback, U))
- Initialising adaptive functions ((DS7, J))
- Removing/installing the gear selector lever ((DS7, J))
- Replace the battery. ((DS7, J), (DS3 Crossback, U))
- Calibrating the radar sensor ((DS7, J), (DS3 Crossback, U))
- Cleaning the EGR cooler switchover valve ((DS7, J), (DS3 Crossback, U))



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- Replace cylinder head ((DS7, J), (DS3 Crossback, U))
- Calibrating the rearview camera/all-round vision camera ((DS7, J))
- Self-adaptation of A/C system ((DS3 Crossback, U))
- Learning the injection valve ((DS3 Crossback, U))
- Initializing the alternator ((DS7, J), (DS3 Crossback, U))
- Bleeding the ABS/ESC system ((DS7, J), (DS3 Crossback, U))
- Leaving the ECO mode ((DS7, J), (DS3 Crossback, U))
- Calibrating the cornering light ((DS7, J))
- Bleeding the cooling system ((DS7, J), (DS3 Crossback, U))
- Initializing the night vision camera ECU ((DS7, J))
- Calibrating the camera ECU ((DS3 Crossback, U))
- Initializing the EGR valve ((DS7, J), (DS3 Crossback, U))
- Activating the start/stop function ((DS7, J), (DS3 Crossback, U))
- Reconnecting the battery ((DS7, J), (DS3 Crossback, U))
- Regenerating the soot particulate filter at standstill ((DS7, J), (DS3 Crossback, U))
- Learning the turbocharger ((DS7, J), (DS3 Crossback, U))
- Resetting starter learning values ((DS7, J))

| Codings

- Coding the trailer hitch ((DS7, J), (DS3 Crossback, U))
- Coding the keys ((DS7, J))
- Registering the battery ((DS3 Crossback, U))
- Locking the airbag ECU ((DS7, J), (DS3 Crossback, U))
- Deactivating/activating the transport mode ((DS3 Crossback, U))
- Unlocking the airbag ECU ((DS7, J), (DS3 Crossback, U))
- Synchronisation of the remote control ((DS7, J))
- Coding injectors ((DS7, J), (DS3 Crossback, U))
- Coding the alarm sound ((DS7, J))

| Service resets

((DS3 Crossback, U), (DS7, J))

Fiat

| Trouble codes

((500L (330), 330), (500X (334), 330), (500X (334), 334), (Doblo (152/263), 263), (Ducato-VI (290), 290 (EU6)), (Panda (319), 312), (Panda (319), 319), (Tipo (356), 356))

| Parameters

((500L (330), 330), (500X (334), 330), (500X (334), 334), (Doblo (152/263), 263), (Ducato-VI (290), 290 (EU6)), (Panda (319), 312), (Panda (319), 319))

| Actuators

| Basic settings

Bleeding the regeneration additive pump/line ((Scudo (270), 270))



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Diagnostic devices



- Regenerating the soot particulate filter ((Scudo (270), 270))
- Performing transmission adaptations ((Panda (319), 319), (Panda (319), 312))
- Resetting the variable turbocharger adaptation values ((Scudo (270), 270))

- | **Codings**
 - Coding the instrument cluster ((Ducato-V (250), 250FL), (500L (330), 330), (Ducato-VI (290), 290 (EU5)), (500X (334), 334), (Ducato-VI (290), 290 (EU6)), (500X (334), 330))
 - Proxy alignment ((Ducato-V (250), 250FL), (Ducato-VI (290), 290 (EU5)), (Ducato-VI (290), 290 (EU6)))

- | **Service resets**

Hyundai

- | **Trouble codes**
 - ((i10, AC3), (i30 / i30cw, PD), (Ioniq, AE), (Ioniq, AE EV), (Ioniq, AE HEV), (Kona, OS), (Santa Fe, CM))
- | **Parameters**
 - ((i10, AC3), (i30 / i30cw, PD), (Ioniq, AE EV), (Kona, OS), (Santa Fe, CM))
- | **Actuators**
 - ((i10, AC3), (i30 / i30cw, PD), (Ioniq, AE), (Ioniq, AE EV), (Ioniq, AE HEV), (Kona, OS), (Santa Fe, CM))
- | **Basic settings**
 - Resetting transfer case adaptation values ((i30 / i30cw, PD))
 - Adapting the accelerator sensor ((i30 / i30cw, GD))
 - Resetting the ECU ((i30 / i30cw, PD))
 - Learning the lambda sensor ((i30 / i30cw, GD))
 - Bleeding the fuel system ((i30 / i30cw, GD))
 - Gearbox bleeding ((i30 / i30cw, PD))
 - Learning the throttle valve ((i30 / i30cw, GD))
 - Initializing the fuel high-pressure sensor ((i30 / i30cw, GD))
 - Resetting self-adaptation parameters ((i30 / i30cw, PD))
 - Initializing the mass airflow sensor ((i30 / i30cw, GD))
 - Learning the turbocharger ((i30 / i30cw, GD))
 - Calibrating the steering-angle sensor ((i10, AC3))
 - Learning the steering-angle sensor ((Kona, OS), (i10, AC3))
 - Learning the steering-angle sensor ((Santa Fe, CM))
 - Adapting the longitudinal acceleration sensor ((i30 / i30cw, PD))
 - Configuring the head-up display ((Kona, OS))
 - Regenerating the soot particulate filter ((Santa Fe, CM), (i30 / i30cw, GD), (i30 / i30cw, PD), (i10, AC3))
 - Resetting gearbox learning values ((Santa Fe, CM))
 - Bleeding the ABS/ESC system ((Santa Fe, CM))
 - Adapting the longitudinal acceleration sensor ((i10, AC3))



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| Codings

| Service resets

Kia

| Trouble codes (Carens, UN), (Niro, DE HEV), (Optima, JF), (Sorento, XM)

| Parameters (Carens, UN), (Niro, DE HEV), (Optima, JF), (Sorento, XM)

| Actuators (Carens, UN), (Niro, DE HEV)

| Basic settings

- Adapting the longitudinal acceleration sensor ((Niro, DE HEV))
- Resetting self-adaptation parameters ((Optima, JF))
- Bleeding the cooling system ((Niro, DE HEV))
- Calibrate radar dynamically ((Niro, DE HEV))
- Resetting throttle valve adaptation values ((Carens, UN))
- Calibrating the steering-angle sensor ((Niro, DE HEV))
- Learning the steering-angle sensor ((Niro, DE HEV))
- Learning the lambda sensor ((Carens, UN))
- Replacing the particle filter ((Carens, UN))
- Calibrating the camera ECU ((Niro, DE HEV))
- Regenerating the soot particulate filter ((Carens, UN))
- Initializing the brake-pressure sensor ((Niro, DE HEV))
- Adapting the swirl control valve ((Carens, UN))
- Initializing the EGR valve ((Carens, UN))
- Initializing the mass airflow sensor ((Carens, UN))
- Resetting soot particulate filter regeneration counter ((Venga, YN), (Rio, UB), (Cee'd / Pro Cee'd, JD))
- Initializing the fuel high-pressure sensor ((Carens, UN))
- Initializing the differential pressure sensor ((Carens, UN))

| Codings Coding injectors ((Carens, UN))

| Service resets (Cee'd / Pro Cee'd, JD), (Sorento, XM)

Land-Rover

| Trouble codes

| Parameters



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| Actuators

| Basic settings

Adapting the longitudinal acceleration sensor ((Range Rover Evoque-I, L538))

Initializing the yaw rate sensor ((Range Rover Evoque-I, L538))

De/activating the parking brake service mode ((Range Rover Evoque-I, L538))

| Codings

| Service resets

Lexus

| Trouble codes

(CT, ZWA10), (ES, AXZH10), (LX, VDJ201), (RX, AGL20), (RX, AGL25), (RX, GYL26)

| Parameters

(CT, ZWA10), (ES, AXZH10), (LX, VDJ201), (RX, AGL20), (RX, AGL25), (RX, GYL26)

| Actuators

(CT, ZWA10), (ES, AXZH10), (RX, GYL26)

| Basic settings

Deactivating the electronic stability control ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

Initializing the yaw rate sensor ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

Adjusting the headlights ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

Initializing the air distribution flaps ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

De/activating the electric parking brake service mode ((ES, AXZH10))

Calibrating the camera ECU ((RC, AVC10L), (CT, ZWA10))

Deactivating the service mode ((RX, GYL26))

Bleeding the brake system ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

Resetting adaptation values of ABS ECU ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

Configuring the lane change assist ((RX, GYL26))

Deactivating the electro-hydraulic brake ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

| Codings

Coding the comfort opening/closing system ((ES, AXZH10), (CT, ZWA10))

Saving camera and object positions ((CT, ZWA10))

Coding the wheel valves ((RX, GYL26), (ES, AXZH10), (CT, ZWA10))

| Service resets

MAN

| Trouble codes

| Parameters

| Actuators



Diagnostic devices

| Basic settings

Learning the intake port shut-off ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Learning the power windows ((Sprinter, 907131,907133,907135,907231,907233,907235), (Sprinter, 907633,907635,907637), (Sprinter, 907133,907135,907233,907235), (Sprinter, 907643,907645,907647), (Sprinter, 907143,907145,907243,907245), (Sprinter, 907653,907655,907657), (Sprinter, 907153,907155,907253,907255), (Sprinter, 907733,907735), (Sprinter, 907631,907633,907635,907637), (Sprinter, 907721,907723), (GLB-Klasse, 247646), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (CLA-Klasse, 118615), (B-Klasse, 247086))

Lernwerte schwenkbare Anhängerkupplung zurücksetzen ((C-Klasse, 205009), (C-Klasse, 205066), (C-Klasse, 205040), (C-Klasse, 205036), (C-Klasse, 205042), (C-Klasse, 205037), (C-Klasse, 205012), (C-Klasse, 205008), (C-Klasse, 205045), (C-Klasse, 205004), (C-Klasse, 205204), (C-Klasse, 205240), (C-Klasse, 205044), (C-Klasse, 205003), (C-Klasse, 205048), (C-Klasse, 205007), (C-Klasse, 205247), (C-Klasse, 205207), (C-Klasse, 205287), (C-Klasse, 205087), (C-Klasse, 205208), (C-Klasse, 205209), (C-Klasse, 205266), (C-Klasse, 205237), (C-Klasse, 205212), (C-Klasse, 205342), (C-Klasse, 205304), (C-Klasse, 205345), (C-Klasse, 205308), (C-Klasse, 205348), (C-Klasse, 205043), (C-Klasse, 205005), (C-Klasse, 205064), (C-Klasse, 205264), (C-Klasse, 205205), (C-Klasse, 205243), (C-Klasse, 205448), (C-Klasse, 205464), (C-Klasse, 205466), (C-Klasse, 205405), (C-Klasse, 205443), (C-Klasse, 205408), (C-Klasse, 205445), (C-Klasse, 205404), (C-Klasse, 205440), (C-Klasse, 205442), (C-Klasse, 205340), (C-Klasse, 205343), (C-Klasse, 205305), (C-Klasse, 205309), (C-Klasse, 205366), (C-Klasse, 205364), (C-Klasse, 205242), (C-Klasse, 205245), (C-Klasse, 205086), (C-Klasse, 205387), (C-Klasse, 205047), (C-Klasse, 205286), (C-Klasse, 205386), (C-Klasse, 205), (C-Klasse, 205244), (C-Klasse, 205248), (C-Klasse, 205236), (C-Klasse, 205486), (C-Klasse, 205487), (C-Klasse, 205203))

Activating the fuel pump ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the oxidation catalyst upon engine ECU replacement ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the oxidation catalyst ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Learning the lambda sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Bleeding the fuel system ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the fuel pressure sensor or the fuel rail ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the differential pressure sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the high-pressure EGR valve ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Resetting the fuel low pressure adaptation values ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the soot particulate filter upon engine ECU replacement ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Resetting long-term adaptation values of diesel exhaust fluid dosing module ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Adapting the pressure-regulating valve ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the mass airflow sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))



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Diagnostic devices



- Initializing the boost pressure regulator ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- HFM drift compensation ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting learned values of NOx sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Initializing the soot particulate filter ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting air filter learned values ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Initializing the low pressure EGR valve ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting counter for synchronization loss of crankshaft/camshaft ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Learning throttle valve stop ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting learned values of camshaft sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Adapting the SCR catalyst upon replacement ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Adapting the temperature sensor before SCR catalyst ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Initializing the diesel exhaust fluid injector ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting adaptation values of the short-range radar ((GLB-Klasse, 247646), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (CLA-Klasse, 118615), (B-Klasse, 247086))
- Reset learned values of injectors. ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Adapting the exhaust gas flap actuator ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting exhaust-gas temperature sensor adaptation values of soot particulate filter ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Initializing the gear sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Initializing the exhaust temperature sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting high-pressure fuel pump adaptation values ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Resetting the impact mode ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Initializing the clutch pedal position ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))
- Adjusting the headlights ((Sprinter, 907131,907133,907135,907231,907233,907235), (Sprinter, 907633,907635,907637), (Sprinter, 907133,907135,907233,907235), (Sprinter, 907643,907645,907647), (Sprinter, 907143,907145,907243,907245), (Sprinter, 907653,907655,907657), (Sprinter, 907153,907155,907253,907255), (Sprinter, 907733,907735), (Sprinter, 907631,907633,907635,907637), (Sprinter, 907721,907723), (GLB-Klasse, 247646), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (CLA-Klasse, 118615), (B-Klasse, 247086))



Diagnostic devices

Calibrating the zero fuel qty ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Resetting the variable turbocharger adaptation values ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Resetting the quantity mean value adaptation ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Calibrating the camera ECU ((Sprinter, 907131,907133,907135,907231,907233,907235), (Sprinter, 907633,907635,907637), (Sprinter, 907133,907135,907233,907235), (Sprinter, 907643,907645,907647), (Sprinter, 907143,907145,907243,907245), (Sprinter, 907653,907655,907657), (Sprinter, 907153,907155,907253,907255), (Sprinter, 907733,907735), (Sprinter, 907631,907633,907635,907637), (Sprinter, 907721,907723), (GLB-Klasse, 247646), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (CLA-Klasse, 118615), (B-Klasse, 247086))

Initializing the EGR valve ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Regenerating the soot particulate filter during driving ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the adaptive cruise control ((S-Klasse, 217378), (S-Klasse, 217377), (S-Klasse, 217379), (S-Klasse, 217385), (GLC-Klasse, 253905), (GLC-Klasse, 253946), (GLC-Klasse, 253909), (GLC-Klasse, 253949), (GLC-Klasse, 253954), (S-Klasse, 217478), (S-Klasse, 217477), (S-Klasse, 217479), (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), (S-Klasse, 217482), (S-Klasse, 217383), (S-Klasse, 217387), (S-Klasse, 217386), (S-Klasse, 217388), (S-Klasse, 217483), (S-Klasse, 217487), (S-Klasse, 217488), (GLC-Klasse, 253323), (GLB-Klasse, 247646), (S-Klasse, 222004,222104), (S-Klasse, 222032,222132), (S-Klasse, 222065,222165), (S-Klasse, 222057,222157), (S-Klasse, 222082,222182), (S-Klasse, 222076,222176), (S-Klasse, 222079,222179), (S-Klasse, 222077,222177), (S-Klasse, 222033,222133), (S-Klasse, 222085,222185), (S-Klasse, 222078,222178), (S-Klasse, 222176), (S-Klasse, 222067,222167), (S-Klasse, 222063,222163), (S-Klasse, 217382), (S-Klasse, 222967), (S-Klasse, 217384), (S-Klasse, 222982), (S-Klasse, 222976), (S-Klasse, 222062,222162), (GLC-Klasse, 253925), (S-Klasse, 222985), (S-Klasse, 222983), (S-Klasse, 222980), (S-Klasse, 222964), (S-Klasse, 222986), (S-Klasse, 222035,222135), (S-Klasse, 217364), (S-Klasse, 222021,222121), (S-Klasse, 222059,222159), (S-Klasse, 222064,222164), (S-Klasse, 222086,222186), (S-Klasse, 222188), (S-Klasse, 222020,222120), (S-Klasse, 222058,222158), (S-Klasse, 222066,222166), (S-Klasse, 222060,222016), (S-Klasse, 222083,222183), (S-Klasse, 222073,222173), (S-Klasse, 222187), (S-Klasse, 222034,222134), (S-Klasse, 222179), (GLC-Klasse, 253388), (GLC-Klasse, 253988), (GLC-Klasse, 253989), (GLC-Klasse, 253389), (GLC-Klasse, 253943), (GLC-Klasse, 253380), (A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613), (CLA-Klasse, 118615), (B-Klasse, 247086))

Initializing the neutral position sensor ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Initializing the fuel quantity adjuster ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))

Codings

Coding the rain/light sensor ((Sprinter, 907131,907133,907135,907231,907233,907235), (Sprinter, 907633,907635,907637), (Sprinter, 907133,907135,907233,907235), (Sprinter, 907643,907645,907647), (Sprinter, 907143,907145,907243,907245), (Sprinter, 907653,907655,907657), (Sprinter, 907153,907155,907253,907255), (Sprinter, 907733,907735), (Sprinter, 907631,907633,907635,907637), (Sprinter, 907721,907723), (GLB-Klasse, 247646), (A-Klasse, 177013), (A-Klasse, 177015), (B-Klasse, 247086))

Coding injectors ((A-Klasse, 177013), (A-Klasse, 177015), (CLA-Klasse, 118613))



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Diagnostic devices

| Service resets

Mini

- | **Trouble codes** (F54 Clubman, F54)
- | **Parameters** (F54 Clubman, F54)
- | **Actuators** (F54 Clubman, F54)
- | **Basic settings**
 - Bleeding the regeneration additive pump/line ((F54 Clubman, F54))
 - Resetting learned values of the regeneration additive system ((F54 Clubman, F54))
 - De/activating the parking brake service mode ((F54 Clubman, F54))
 - Initializing the ride height sensor ((F54 Clubman, F54))
 - Resetting the ECU ((F54 Clubman, F54))
 - Resetting learned values of throttle valve actuator ((F60 Countryman, F60))
 - Resetting the rain/light sensor ((F54 Clubman, F54))
 - Interchanged brake pipe check ((F54 Clubman, F54))
 - Initializing the sunroof actuator ((F54 Clubman, F54))
 - Learning the power windows ((F54 Clubman, F54))
 - Resetting transfer case adaptation values ((F54 Clubman, F54))
 - Adjusting the boost control rod ((F54 Clubman, F54))
 - Bleeding the transfer case ((F54 Clubman, F54))
 - Resetting gearbox learning values ((F54 Clubman, F54))
 - Bleeding the brake system ((F54 Clubman, F54))
 - Calibrating the front camera ((F54 Clubman, F54))
 - Initializing the neutral position sensor ((F54 Clubman, F54))
 - Adapting the headlight motor ((F54 Clubman, F54))
- | **Codings** Registering the battery ((F54 Clubman, F54))
- | **Service resets** (F54 Clubman, F54)

Mitsubishi

- | **Trouble codes**
- | **Parameters**
- | **Actuators**
- | **Basic settings** Resetting learned values of the battery monitoring ECU ((Outlander, CW))



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Diagnostic devices



| Codings

| Service resets

Nissan

| Trouble codes

| Parameters

| Actuators

| **Basic settings** Regenerating the soot particulate filter ((Navara, D23))
Resetting the start inhibitor of DEF injection system ((Navara, D23))

| Codings

| Service resets

Opel/Vauxhall

| **Trouble codes** (Ampera, D1J), (Ampera-E, 1G0), (Meriva-A, X 01)

| **Parameters** (Ampera, D1J), (Ampera-E, 1G0)

| **Actuators**

| **Basic settings** Initialising the particle filter ((Corsa-D, S07))
Initialize preheating relay ((Corsa-D, S07))
Learning the flywheel ((Meriva-B, S-D), (Corsa-D, S07))
Adapting the accelerator sensor ((Corsa-D, S07))
Learning the lambda sensor ((Meriva-B, S-D), (Corsa-D, S07))
Adapting crankshaft sensor ((Meriva-B, S-D))
Initializing the fuel pressure sensor or the fuel rail ((Meriva-B, S-D))
Initializing the fuel high-pressure sensor ((Corsa-D, S07))
Initializing the differential pressure sensor ((Corsa-D, S07))
Resetting catalyst adaptation values ((Meriva-B, S-D))
Initializing the mass airflow sensor ((Meriva-B, S-D), (Corsa-D, S07))
Learning the turbocharger ((Meriva-B, S-D), (Corsa-D, S07))
Replacing the lean NOx catalyst ((Meriva-B, S-D))
Learning the throttle valve ((Meriva-B, S-D), (Corsa-D, S07))
Resetting learned values of NOx adsorption catalyst ((Meriva-B, S-D))



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Diagnostic devices



Resetting the particulate filter learning values ((Meriva-B, S-D))
 Regenerating the soot particulate filter ((Corsa-D, S07))
 Learning low injection quantity ((Corsa-D, S07))
 Reset learned values of glow plugs. ((Meriva-B, S-D))
 Learning the fuel pressure regulator ((Meriva-B, S-D))
 Learning the crankshaft position ((Corsa-D, S07))
 Initializing the exhaust temperature sensor ((Meriva-B, S-D), (Corsa-D, S07))
 Calibrating the front camera ((Ampera-E, 1G0))
 Initializing the EGR valve ((Meriva-B, S-D), (Corsa-D, S07))

- | **Codings** Coding injectors ((Corsa-D, S07))
- | **Service resets** (Ampera, D1J), (Meriva-B, S-D)

Peugeot

- | **Trouble codes** (2008, U), (208, U), (3008, M), (308, L), (508, F), (Boxer-III, Y (EU5)), (Boxer-III, Y (EU6))
- | **Parameters** (2008, U), (208, U), (3008, M), (308, L), (508, F), (Boxer-III, Y (EU5)), (Boxer-III, Y (EU6))
- | **Actuators** (2008, U), (3008, M), (308, L), (508, F)
- | **Basic settings** Replacing the lean NOx catalyst ((308, L), (208, U), (2008, U))
 Initializing the rain/light sensor ((2008, U), (508, F))
 Learning the flywheel ((308, L), (2008, U))
 Adapting the clutch biting point ((308, L), (2008, U))
 Locking the airbag ECU ((2008, U), (508, F))
 Resetting the diesel exhaust fluid level ((2008, U))
 Notbremsassistent reaktivieren ((Expert-IV, V), (Traveller, V), (3008, M), (5008, M), (308, L), (Rifter, E), (508, F), (208, U), (2008, U))
 Initializing the transmission selector actuator ((508, F))
 Resetting the knock counter ((208, C), (2008, CU), (Partner-III, 7), (3008, M), (5008, M), (308, L), (2008, U))
 Replace brake parts ((2008, U), (508, F))
 Deactivating the torque limitation ((208, C), (2008, CU), (Partner-III, 7), (3008, M), (5008, M), (308, L), (2008, U))
 Initialize starter ((308, L), (2008, U))
 Replacing the exhaust manifold ((308, L), (2008, U))
 Calibrating the steering-angle sensor ((508, F))
 Zähler Duftpatronenblock zurücksetzen ((208, U), (2008, U))
 Initializing the night vision camera ECU ((508, F))



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Diagnostic devices



- Adapting the accelerator sensor ((308, L), (2008, U))
- Reconnecting the battery ((2008, U))
- Learning the turbocharger ((308, L), (2008, U))
- Adapting the turbine wheel shut-off valve ((308, L), (2008, U))
- Bleeding the fuel presupply system ((2008, U))
- Learning the throttle valve ((308, L), (508, F), (3008, M), (2008, U))
- Learning the steering-angle sensor ((Bipper, A))
- Replacing transmission components ((508, F))
- Calibrating the rearview camera/all-round vision camera ((508, F))
- Adapting the clutch assembly ((308, L), (508, F), (3008, M))
- Bleeding the fuel system ((2008, U))
- Resetting the misfire counter ((208, C), (2008, CU), (Partner-III, 7), (3008, M), (5008, M), (308, L), (2008, U))
- Cleaning EGR valve ((2008, U))
- Initializing the fuel level ((2008, U), (508, F))
- Unlocking the airbag ECU ((2008, U), (508, F))
- Adapting the longitudinal acceleration sensor ((2008, U), (508, F))
- Initializing the air metering system ((2008, U))
- Initialising adaptive functions ((301, DD), (308, 4), (308, L))
- Removing/installing the gear selector lever ((508, F))
- Replace the battery. ((308, L), (508, F), (3008, M), (2008, U))
- Initializing the A/C flap actuators ((2008, U), (508, F))
- Initializing the alternator ((308, L), (508, F), (3008, M), (2008, U))
- Cleaning the EGR cooler switchover valve ((2008, U))
- Calibrating the radar sensor ((2008, U), (508, F))
- Replace cylinder head ((308, L), (2008, U))
- Initializing the variable valve lift ((308, L), (508, F), (3008, M))
- Learning the injection valve ((308, L), (2008, U))
- Initializing the DeNOx system ((2008, U))
- Bleeding the ABS/ESC system ((2008, U), (508, F))
- Leaving the ECO mode ((2008, U), (508, F))
- Calibrating the cornering light ((508, F))
- Bleeding the cooling system ((2008, U))
- Resetting headlight leveling adaptation values ((2008, U))
- Replacing the particle filter ((308, L), (208, U), (2008, U))
- Calibrating the camera ECU ((308, L), (3008, M), (208, U), (2008, U), (508, F))
- Initializing the EGR valve ((2008, U))
- Activating the start/stop function ((308, L), (2008, U))



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Diagnostic devices



Calibrating the night vision assist ((508, F))
 Regenerating the soot particulate filter at standstill ((308, L), (208, U), (2008, U))
 Learning the turbocharger ((2008, U))

| Codings

Coding the trailer hitch ((2008, U), (508, F))
 Registering the battery ((2008, U), (508, F))
 Locking the airbag ECU ((508, F))
 Deactivating/activating the transport mode ((5008, 0A), (508, 8), (3008, 0U), (Partner-III, 7), (3008, HU), (308, 4), (208, C), (301, DD), (407, 6), (307, 3), (207, W), (807, E), (RCZ, 4), (2008, CU), (Expert-IV, V), (Traveller, V), (3008, M), (5008, M), (308, L), (RCZ, 4J), (2008, C), (Rifter, E), (508, F), (208, U), (2008, U))
 Unlocking the airbag ECU ((508, F))
 Coding injectors ((Partner-III, 7))
 Coding the alarm sound ((508, F))

| Service resets

((2008, U), (508, F))

Porsche

| Trouble codes

((Boxster 718 (982), 982), (Cayenne (9Yx), 9YB), (Cayman (987), 987), (Cayman 718 (982), 982))

| Parameters

((911 (991), 991), (Boxster 718 (982), 982), (Cayenne (9Yx), 9YA), (Cayenne (9Yx), 9YB), (Cayman (987), 987), (Cayman 718 (982), 982), (Panamera (971), 971))

| Actuators

((911 (991), 991), (Boxster 718 (982), 982), (Cayman 718 (982), 982))

| Basic settings

Performing the parking brake bedding-in drive ((Boxster 718 (982), 982), (Cayman 718 (982), 982))
 Initializing the adaptive cruise control sensor ((Boxster 718 (982), 982), (Cayman 718 (982), 982))
 Actuating the installation/removal position of the parking brake ((Boxster 718 (982), 982), (Cayman 718 (982), 982))
 Calibrating the front camera ((Boxster 718 (982), 982), (Cayman 718 (982), 982))
 Adjust clearance of parking brake ((Boxster 718 (982), 982), (Cayman 718 (982), 982))
 Calibrating the parking brake ((Boxster 718 (982), 982), (Cayman 718 (982), 982))

| Codings

Registering the battery ((Boxster 718 (982), 982), (Cayman 718 (982), 982))

| Service resets

((Boxster 718 (982), 982), (Cayman 718 (982), 982))



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Diagnostic devices



Renault

| | |
|-----------------------|--|
| Trouble codes | (Captur-I, J5M0), (Clio-IV, BHMA), (Koleos-II, HCAK) |
| Parameters | (Captur-I, J5M0), (Clio-IV, BHMA), (Koleos-II, HCAK) |
| Actuators | (Captur-I, J5M0), (Clio-IV, BHMA), (Koleos-II, HCA7), (Talisman, LPNC) |
| Basic settings | <p>Learning the flywheel ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Initializing the exhaust gas flap ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Learning the lambda sensor ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Initializing the ride height sensor ((Koleos-II, HCA7))</p> <p>Initializing the fuel pressure sensor or the fuel rail ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Initializing the differential pressure sensor ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>After particulate filter replacement ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Initializing the air distribution flaps ((Koleos-II, HCA7))</p> <p>Initializing the mass airflow sensor ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01))</p> <p>Learning the steering-angle sensor ((Fluence, L30Z,LZBZ,LZL6), (Captur-I, J5NE), (Captur-I, J5NK), (Koleos-II, HCA7))</p> <p>Adapting the clutch assembly ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Clio-IV, BHN4), (Clio-IV, BHN3), (Clio-IV, KHN4), (Clio-IV, KHN3), (Captur-I, J5NE), (Captur-I, J5NK))</p> <p>Regenerating the soot particulate filter ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Kadjar, HLA6), (Alaskan, U3MD), (Alaskan, U3MB))</p> <p>Calibrating the camera and radar system ((Koleos-II, HCA7))</p> <p>Initializing the intake-air flap ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Resetting catalyst adaptation values ((Koleos-II, HCA4))</p> <p>Initializing the swirl flap ((Koleos-II, HCA4))</p> <p>Standardizing the liftgate ((Koleos-II, HCA7))</p> <p>Resetting high-pressure fuel pump adaptation values ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4), (Koleos-II, HCA7))</p> <p>Initializing the low pressure EGR valve ((Koleos-II, HCA4))</p> <p>Bleeding the ABS/ESC system ((Koleos-II, HCA7))</p> <p>De/activating the parking brake service mode ((Koleos-II, HCA7))</p> <p>Resetting catalyst adaptation values ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01))</p> <p>Initializing the EGR valve ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4))</p> <p>Bleeding the ABS hydraulic unit ((Captur-I, J5NE), (Captur-I, J5NK))</p> <p>Reset low-pressure EGR learned values ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01))</p> <p>Resetting starter learning values ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Koleos-II, HCA4), (Koleos-II, HCA7))</p> |



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Diagnostic devices



- | **Codings**
 - De/activating the trailer hitch ((Koleos-II, HCA7))
 - Coding the language version ((Captur-I, J5M1,J5NF), (Captur-I, J5NE), (Captur-I, J5NK), (Koleos-II, HCA7))
 - Coding instrument cluster units ((Captur-I, J5NE), (Captur-I, J5NK), (Koleos-II, HCA7))
 - Coding the tire size ((Clio-IV, 5R0J,5RBJ,5RDJ,5RJJ,5RKJ), (Clio-IV, 7R0J,7RBJ,7RDJ,7R,JJ,7RKJ,KHAJ), (Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Clio-IV, BHN4), (Clio-IV, BHN3), (Clio-IV, KHN4), (Clio-IV, KHN3), (Koleos-II, HCA7))
 - Airbag ECU locking/unlocking ((Captur-I, J5NE), (Captur-I, J5NK), (Koleos-II, HCA7))
 - Coding the wheel sets (summer/winter) ((Captur-I, J5M1,J5NF), (Captur-I, J5NE), (Captur-I, J5NK))
 - Coding the wheel valves ((Captur-I, J5NE), (Captur-I, J5NK))
 - Adapting the trailer hitch to advanced driver assistance systems ((Koleos-II, HCA7))
 - Coding the country version ((Koleos-II, HCA7))
 - Coding the language version ((Clio-IV, 5R0J,5RBJ,5RDJ,5RJJ,5RKJ), (Clio-IV, 7R0J,7RBJ,7RDJ,7R,JJ,7RKJ,KHAJ), (Clio-IV, 7R01,KHMR), (Clio-IV, 5R01), (Clio-IV, BHN4), (Clio-IV, BHN3), (Clio-IV, KHN4), (Clio-IV, KHN3))
 - Coding injectors ((Clio-IV, 7R01,KHMR), (Clio-IV, 5R01))

- | **Service resets**
 - (Captur-I, J5NE), (Koleos-II, HCA7)

- Seat**

- | **Trouble codes**
 - (Mii, KE), (Mii, KF)

- | **Parameters**
 - (Mii, KE), (Mii, KF)

- | **Actuators**
 - (Mii, KE)

- | **Basic settings**
 - Initializing the ESC sensors ((Mii, KE))
 - Learning the steering-angle sensor ((Mii, KE))
 - Calibrating the camera ECU ((Mii, KE))
 - Initializing the brake-pressure sensor ((Mii, KE))
 - Adapting the electronic climate control ((Mii, KF), (Mii, KE))
 - Resetting the impact mode ((Mii, KF), (Toledo, KG), (Leon, 5F), (Ibiza, KJ), (Arona, KJ), (Ateca, KH), (Mii, KE))
 - Performing the initial run-in of the air conditioning compressor ((Mii, KF))

- | **Codings**
 - Registering the battery ((Mii, KE))
 - Coding the gateway installation list ((Mii, KE))
 - Deactivating/activating the transport mode ((Mii, KE))
 - Coding the parking assist ((Mii, KE))

- | **Service resets**
 - (Mii, KE), (Mii, KF)



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Diagnostic devices



Skoda

- | **Trouble codes** (Citigo, NE), (Octavia, NX)
- | **Parameters** (Citigo, NE), (Octavia, NX)
- | **Actuators** (Citigo, NE), (Octavia, NX)
- | **Basic settings**
 - Initializing the lateral acceleration sensor ((Octavia, 1Z))
 - Regenerating the soot particulate filter ((Octavia, NX))
 - Initializing the ESC sensors ((Citigo, NE))
 - Reset learned values of injectors. ((Octavia, NX))
 - Burning off aux. heater/independent car heater ((Octavia, NX))
 - Adapting the soot particulate filter ((Octavia, NX))
 - Resetting the start inhibitor of DEF injection system ((Octavia, NX))
 - Learning the throttle valve ((Octavia, NX))
 - Learning the steering-angle sensor ((Citigo, NE))
 - Performing engine adaptations ((Octavia, NX))
 - Initializing the brake-pressure sensor ((Citigo, NE))
 - Performing the initial run-in of the air conditioning compressor ((Citigo, NF), (Octavia, NX))
 - Initializing the adaptive cruise control ((Octavia, NX))
 - Reducing fuel high pressure ((Octavia, NX))
 - Activating the retrofitted parking heater ((Octavia, NX))
 - Initializing the oxidation catalyst ((Octavia, NX))
 - Adapting the electronic climate control ((Citigo, NF), (Citigo, NE), (Octavia, NX))
 - Resetting the impact mode ((Citigo, NF), (Octavia, 5E), (Kodiaq, NS), (Karoq, NU), (Fabia, NJ), (Rapid, NH), (Superb, 3V), (Citigo, NE))
 - Initializing the neutral position sensor ((Octavia, NX))
 - Resetting the diesel exhaust fluid level ((Octavia, NX))
 - Adapting the radiator shutter ((Octavia, NX))
 - Adjusting the headlights ((Octavia, NX))
 - Bleeding the cooling system ((Octavia, NX))
 - Calibrating the camera ECU ((Citigo, NE), (Octavia, NX))
 - Adapting the fuel burning heater remote control ((Octavia, NX))
 - Unlocking aux. heater/independent car heater ((Octavia, NX))



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- | **Codings**
 - Registering the battery ((Citigo, NE))
 - Coding the rain/light sensor ((Octavia, NX))
 - Deactivating/activating the transport mode ((Citigo, NE))
 - Coding injectors ((Octavia, NX))
 - Coding the gateway installation list ((Citigo, NE))
 - Coding the parking assist ((Citigo, NE))
- | **Service resets**
 - (Citigo, NE), (Citigo, NF), (Octavia, NX)

Suzuki

- | **Trouble codes**
 - (Grand Vitara, JT), (Splash, EX), (Swift, NZ)
- | **Parameters**
 - (Grand Vitara, JT), (Splash, EX), (Swift, NZ)
- | **Actuators**
 - (Splash, EX), (Swift, NZ)
- | **Basic settings**
 - Initializing the rain/light sensor ((Swift, NZ))
 - After particulate filter replacement ((Grand Vitara, JT))
 - Initializing the electronic stability control sensors ((Swift, NZ))
 - Regenerating the soot particulate filter ((Grand Vitara, JT))
 - After particulate filter regeneration ((Grand Vitara, JT))
 - Resetting EGR valve learning values ((Grand Vitara, JT))
 - Reset learned values of intake-air flap. ((Grand Vitara, JT))
 - Initialize starter ((Swift, NZ))
- | **Codings**
 - Coding injectors ((Grand Vitara, JT), (Swift, NZ))
- | **Service resets**
 - (Swift, NZ)

Toyota

- | **Trouble codes**
 - (Auris, NRE185L), (Auris, ZWE186L), (C-HR, MAXH10), (Mirai, JPD10L), (RAV 4, ZSA4), (Yaris, MXHP10)
- | **Parameters**
 - (Auris, NRE185L), (Auris, ZWE186L), (C-HR, MAXH10), (Mirai, JPD10L), (Yaris, MXHP10)
- | **Actuators**
 - (Auris, NRE185L), (Auris, ZWE186L), (C-HR, MAXH10), (Mirai, JPD10L), (Yaris, MXHP10)
- | **Basic settings**
 - Service mode (engine immobilizer can be deactivated > gasoline engine runs) ((Yaris, MXHP10), (C-HR, MAXH10))
 - Initializing the yaw rate sensor ((Mirai, JPD10L), (Auris, NRE185L))
 - Adjusting the headlights ((Mirai, JPD10L), (Auris, NRE185L), (C-HR, MAXH10))



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Start authorization upon battery replacement ((Auris, ZRE152,ZWE150), (Prius, ZVW35), (Yaris, NHP130), (Prius, ZVW30), (RAV 4, AVA42L), (RAV 4, AVA44L), (Highlander, GVU58), (RAV 4, AVA44))

De-energizing the hybrid/electric vehicle ((Prius, ZVW30), (Auris, ZRE152,ZWE150), (Prius, ZVW35), (Prius, ZVW40), (Yaris, NHP130), (RAV 4, AVA42L), (RAV 4, AVA44L), (RAV 4, AVA44))

Learning the steering-angle sensor ((Mirai, JPD10L), (Auris, NRE185L), (C-HR, MAXH10))

Initializing the A/C flap actuators ((Mirai, JPD10L), (Auris, NRE185L), (C-HR, MAXH10))

Calibrating the radar sensor ((Camry, AXVA70), (Camry, AXVH71), (C-HR, MAXH10))

Releasing the hybrid drive ((Prius, ZVW35), (Prius, ZVW30), (RAV 4, AVA42L), (RAV 4, AVA44L), (RAV 4, AVA44))

Calibrating the camera ECU ((Camry, ASV50), (Camry, AXVA70), (Camry, AXVH71), (Auris, NRE185L), (C-HR, MAXH10))

Bleeding the brake system ((Mirai, JPD10L), (Auris, NRE185L), (C-HR, MAXH10))

Resetting adaptation values of ABS ECU ((Mirai, JPD10L), (Auris, NRE185L))

Configuring the lane change assist ((Camry, AXVA70), (Camry, AXVH71), (C-HR, MAXH10))

Deactivating the electro-hydraulic brake ((Mirai, JPD10L), (Auris, NRE185L))

Resetting learned values of the battery monitoring ECU ((Prius, ZVW35), (Prius, ZVW30))

Activating the roller test stand mode ((Mirai, JPD10L))

| Codings

Coding the wheel valves ((Mirai, JPD10L), (Auris, NRE185L))

Saving camera and object positions ((Mirai, JPD10L))

Coding the tire pressure check ((C-HR, MAXH10))

Coding the remote control ((Mirai, JPD10L), (Auris, NRE185L), (C-HR, MAXH10))

| Service resets

Volkswagen

| Trouble codes

(Golf8, CD), (Passat, 3G), (Passat, CB), (T-Roc, A1), (T-Roc, AC), (Touareg, CR), (Transporter, SH), (Transporter, SJ), (up!, BL)

| Parameters

(Golf8, CD), (Passat, CB), (T-Roc, A1), (T-Roc, AC), (Touareg, CR), (Transporter, SH), (Transporter, SJ), (up!, BL)

| Actuators

(Golf8, CD), (Passat, CB), (T-Roc, A1), (T-Roc, AC), (Touareg, CR), (Transporter, SH), (Transporter, SJ), (up!, BL)

| Basic settings

Initializing the adaptive cruise control ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))

Resetting timing chain adaptation values ((T-Roc, A1))

Regenerating the soot particulate filter ((Passat, CB), (Golf8, CD), (T-Roc, AC))

Resetting engine adaptation values ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1))



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Initializing the oxidation catalyst ((Transporter, SH), (Transporter, SJ), (Golf8, CD))

Reset learned values of injectors. ((Golf8, CD), (T-Roc, AC))

Bleeding the fuel system ((Passat, CB), (Golf8, CD))

Burning off aux. heater/independent car heater ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))

Regenerating the soot particulate filter ((Transporter, SH), (Transporter, SJ))

Performing transmission adaptations ((Passat, CB), (T-Roc, A1), (T-Roc, AC))

Initializing the seat belt tensioner ECU ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))

Calibrating the parking brake ((Passat, CB), (T-Roc, A1), (T-Roc, AC))

Initialize actuator of coolant temperature control ((T-Roc, A1))

Adapting the soot particulate filter ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))

Calibrating the steering-angle sensor ((Passat, CB))

Resetting the start inhibitor of DEF injection system ((Golf8, CD))

Learning the throttle valve ((Golf8, CD), (T-Roc, A1), (T-Roc, AC))

Learning the steering-angle sensor ((Crafter, SY), (Crafter, SZ), (Transporter, SH), (Transporter, SJ), (up!, BL), (T-Roc, A1), (T-Roc, AC))

Performing engine adaptations ((Passat, CB), (Golf8, CD))

Initializing the brake-pressure sensor ((Passat, CB), (up!, BL), (T-Roc, A1), (T-Roc, AC))

Initializing the boost pressure regulator ((T-Roc, AC))

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

Performing the initial run-in of the air conditioning compressor ((up!, 12), (Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))

Retracting parking brake ((Passat, CB), (T-Roc, A1), (T-Roc, AC))

Special bleeding ((Golf6, AJ), (Golf6, 51), (Golf6, 5K), (Golf6, 52))

Reducing fuel high pressure ((Golf8, CD), (T-Roc, A1), (T-Roc, AC))

Initializing the A/C flap actuators ((Passat, CB), (T-Roc, A1), (T-Roc, AC))

Activating the retrofitted parking heater ((Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))

Initializing the ESC sensors ((Transporter, SH), (Transporter, SJ), (Passat, CB), (up!, BL), (T-Roc, A1), (T-Roc, AC))

Adapting the electronic climate control ((up!, 12), (up!, BL), (Transporter, SH), (Transporter, SJ), (Golf8, CD))

Configuring the lane change assist ((Transporter, SF), (Passat, CB))

Adjust headlight with/without dynamic light control (DLA) ((T-Roc, A1), (T-Roc, AC))

Initializing the air distribution flap actuator ((Transporter, SH), (Transporter, SJ))

Resetting the impact mode ((up!, 12), (up!, BL), (Crafter, SY), (Crafter, SZ), (Golf7, AN), (Arteon, 3H), (Golf7, BV), (Golf7, BQ), (Golf7, AM), (Golf7, 5G), (Polo, AW), (T-Roc, A1), (Passat, 3G), (Golf7, BA), (Touran, 5T), (Tiguan, BW), (Tiguan, AD), (Passat, CB), (T-Roc, AC))

Initializing the neutral position sensor ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))



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Resetting the diesel exhaust fluid level ((Golf8, CD))
Adapting the radiator shutter ((Golf8, CD), (T-Roc, AC))
Adjusting the headlights ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD))
Adapting oil pressure for engine run-in ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Bleeding the cooling system ((Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))
Calibrating the camera ECU ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (up!, BL), (T-Roc, A1), (T-Roc, AC))
Adapting the fuel burning heater remote control ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))
Extending parking brake ((Passat, CB), (T-Roc, A1), (T-Roc, AC))
Adapting the DEF injection system ((Transporter, SH), (Transporter, SJ), (Passat, CB))
Unlocking aux. heater/independent car heater ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))
Fronteckradar kalibrieren ((Touareg, CR))
Initializing the transmission ECU ((Transporter, SH), (Transporter, SJ))

| Codings

Adjust parking assistance volume ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))
General ECU replacement ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Coding the language version ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Registering the battery ((up!, BL), (Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Expert mode ECU coding ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Coding the rain/light sensor ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD), (T-Roc, A1), (T-Roc, AC))
Deactivating/activating the transport mode ((Transporter, SH), (Transporter, SJ), (Passat, CB), (up!, BL), (T-Roc, A1), (T-Roc, AC))
Coding the trailer detection ((Passat, CB), (T-Roc, A1), (T-Roc, AC))
Adapting the trailer hitch to advanced driver assistance systems ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Coding injectors ((Transporter, SH), (Transporter, SJ), (Passat, CB), (Golf8, CD))
De/activating the trailer hitch ((Transporter, SH), (Transporter, SJ), (Passat, CB), (T-Roc, A1), (T-Roc, AC))
Coding the gateway installation list ((Transporter, SH), (Transporter, SJ), (Passat, CB), (up!, BL), (T-Roc, A1), (T-Roc, AC))
Coding the parking assist ((up!, BL))

| Service resets

(Golf8, CD), (Passat, CB), (T-Roc, A1), (Transporter, SH), (Transporter, SJ), (up!, 12), (up!, BL)



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Diagnostic devices



Volvo

| | |
|-----------------------|--|
| Trouble codes | (S60-II, FS), (S60-III, ZS), (S90-II, PS), (V60-I, GWAA), (V60-II, ZW), (V90-II, PW), (XC40, XZ), (XC60-II, UZ), (XC90-II, LC,LF) |
| Parameters | (S60-II, FS), (V70-III, BW), (XC60-I, DZ), (XC60-II, UZ), (XC90-II, LC,LE,LF) |
| Actuators | (S60-II, FS), (XC60-II, UZ), (XC90-II, LC,LE,LF) |
| Basic settings | <p>Resetting throttle valve adaptation values ((V60-I, FW), (V60-I, GWAA), (V60-I, GW), (S60-II, FS), (V60-I, F))</p> <p>Initializing lateral/longitudinal/rotation acceleration sensor ((S60-II, FS))</p> <p>Resetting rear-axle differential adaptation values ((XC60-II, UZ), (XC90-II, LC,LE,LF))</p> <p>Adapting the turbocharger controller ((XC70-III, BZ))</p> <p>Learning the lambda sensor ((XC70-III, BZ))</p> <p>Adapting the swirl channel flap ((XC70-III, BZ))</p> <p>Resetting soot particulate filter regeneration counter ((S60-II, FS))</p> <p>Resetting oxygen sensor adaptation values ((S60-II, FS))</p> <p>Resetting learned values of the battery monitoring ECU ((XC60-II, UZ), (XC90-II, LC,LE,LF), (XC90-II, LC,LF), (S60-II, FS))</p> <p>Initializing ride height sensors ((XC60-II, UZ), (XC90-II, LC,LE,LF))</p> <p>Performing engine adaptations ((XC90-II, LC,LE,LF))</p> <p>Resetting mass airflow sensor adaptation values ((V60-I, FW), (V60-I, GWAA), (V60-I, GW), (S60-II, FS), (V60-I, F))</p> <p>Resetting the gearbox oil ageing counter ((S60-II, FS))</p> <p>Initializing the suspension system ((S60-II, FS))</p> <p>Performing auxiliary heater function test ((S60-II, FS))</p> <p>De/activating the parking brake service mode ((XC90-II, LC,LE,LF))</p> <p>Resetting learned values of throttle valve actuator ((V70-III, BW), (XC70-III, BZ), (S80-II, AR,AS), (S60-II, FS))</p> <p>Learning the steering-angle sensor ((XC60-II, UZ), (XC90-II, LC,LE,LF))</p> <p>Resetting the particulate filter learning values ((XC70-III, BZ))</p> <p>Changing automatic transmission fluid ((XC60-II, UZ), (XC90-II, LC,LE,LF))</p> <p>Regenerating the soot particulate filter ((S60-II, FS))</p> <p>Initializing the boost pressure regulator ((S60-II, FS))</p> <p>Resetting gearbox learning values ((XC90-II, LC,LE,LF), (S60-II, FS))</p> <p>Resetting gearbox learning values ((V60-I, FW), (V60-I, GWAA), (V60-I, GW), (S60-II, FS), (V60-I, F), (XC60-II, UZ))</p> <p>Resetting adaptation values of electromechanical power steering ((XC60-II, UZ), (XC90-II, LC,LE,LF))</p> <p>Adjusting the xenon headlight ((S60-II, FS))</p> <p>Bleeding the transfer case oil pump ((XC60-II, UZ), (XC90-II, LC,LE,LF))</p> |



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- Reset the telephone book ((S60-II, FS))
- Calibrating the camera and radar system ((XC60-II, UZ), (XC90-II, LC,LE,LF), (S60-II, FS))
- Draining the battery discharge in differential gear ((S60-II, FS))
- Resetting learned values of ABS hydraulic unit ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Initialize acceleration sensor ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Resetting differential pressure sensor learning values ((S60-II, FS))
- Calibrating the compass in the interior rear-view mirror ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Resetting the air flow sensor adaptation values ((XC70-III, BZ))
- Resetting brake system adaptation values ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Resetting differential pressure sensor learning values ((XC70-III, BZ))
- Calibrate rearview camera ((S60-II, FS))
- Adapting the pressure control valve ((XC70-III, BZ))
- Resetting EGR valve learning values ((V60-I, GW), (S80-II, AR,AS), (V60-I, FW), (S60-II, FS))
- Initializing the A/C flap actuators ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Resetting learned values of side obstacle detection ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Learning the brake pedal position ((XC60-II, UZ), (XC90-II, LC,LE,LF), (XC90-II, LC,LF))
- De/activating the parking brake service mode ((XC60-II, UZ), (S60-II, FS))
- Readdressing air distribution flaps ((S60-II, FS))
- Resetting the tire pressure monitoring ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Resetting mass airflow sensor adaptation values ((S60-II, FS))
- Initializing the sunroof actuator ((XC60-II, UZ), (XC90-II, LC,LE,LF), (XC90-II, LC,LF))
- Resetting neutral position sensor adaptation values ((XC90-II, LC,LE,LF))
- Calibrating the rearview camera/all-round vision camera ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Identifying new A/C components ((XC60-II, UZ), (XC90-II, LC,LE,LF))
- Resetting the soot particulate filter ((V70-III, BW), (S80-II, AR,AS))

| Codings

| Service resets

((S60-II, FS), (XC60-II, UZ), (XC90-II, LC,LE,LF))