



# HGS-PATCHNOTE EUR mega macs PC



## Additions and modifications in software version 50

### 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

- | **Basic settings**                      Releasing the self-adjustment of clutch (147 (Selespeed), GT (JTS))



# HGS-PATCHNOTE EUR mega macs PC



## Audi

<b>Trouble codes</b>	A3/S3/RS3 (8V, 85), A4 (8W), A6 (4G), A7 (4G), A8 (4H), Q7 (4M), R8 (4S), TT (FV)
<b>Parameters</b>	A3/S3/RS3 (8V, 85), A4 (8W), A6 (4G), A7 (4G), A8 (4H), Q7 (4M), R8 (4S), TT (FV)
<b>Actuators</b>	A3/S3/RS3 (8V, 85), A4 (8W), A6 (4G), A7 (4G), A8 (4H), Q7 (4M), R8 (4S), TT (FV)
<b>Basic settings</b>	Initializing the adaptive cruise control (Q7 (4M), TT (FV)) Initializing the throttle valve (Q7 (4M), R8 (4S)) Performing the initial run-in of the air conditioning compressor (A4 (8W)) Performing the initial run-in of the air conditioning compressor (Q7 (4M), R8 (4S)) Parking brake extending (Q7 (4M), R8 (4S)) Parking brake retraction (Q7 (4M), R8 (4S)) Calibrating the front camera (Q7 (4M), TT (FV)) Adapting the DEF injection system (A4 (8W), Q7 (4M)) Standardizing the A/C flap actuators (A4 (8W)) Standardizing the A/C flap actuators (Q7 (4M), R8 (4S)) Bleeding the fuel system (A4 (8W), Q7 (4M)) Adapting the radiator shutter (Q7 (4M)) Bleeding the cooling system (A4 (8W), Q7 (4M)) Adjusting the LED headlights (A4 (8W), Q7 (4M)) Initializing the steering angle sensor (A1 (8X), A4 (8W), Q7 (4M)) Resetting learned values of the engine ECU (A4 (8W), Q7 (4M)) Configuring/calibrating the matrix LED headlights (A4 (8W), Q7 (4M)) Performing engine adaptations (A4 (8W)) Adapting the diesel particulate filter (A4 (8W), Q7 (4M)) Regenerating the diesel particulate filter (A4 (8W), Q7 (4M)) Learning the intake manifold flap (Q7 (4M)) Adapting the fuel burning heater remote control (A3/S3/RS3 (8V, 85)) Unlocking the parking heater/auxiliary heater (A3/S3/RS3 (8V, 85)) Burning off the fuel burning heater/auxiliary heater (A3/S3/RS3 (8V, 85)) Adjusting the xenon headlights (A4 (8W), Q7 (4M))
<b>Codings</b>	Performing the battery registration (A4 (8W), Q7 (4M)) Coding injectors (A4 (8W), Q7 (4M)) Coding the expert mode of ECUs (Q7 (4M), R8 (4S)) Coding ECUs upon replacement (Q7 (4M), R8 (4S)) De/activating the transport mode (Q7 (4M), R8 (4S))
<b>Service resets</b>	Performing the service reset (Q7 (4M), R8 (4S))



# HGS-PATCHNOTE

## EUR

### mega macs PC



## BMW

- Trouble codes** 1 Series (E81, E82, E87, E88, F20, F21), 2 Series (F22, F23, F45, F46), 3 Series (E46, E90, E91, E92, E93, F30, F31, F34, F35), 4 Series (F32, F33, F36), 5 Series (E60, E61, F07, F10, F11, F18), 6 Series (E63, F06, F12, F13), 7 Series (F01, F02, F04, G11, G12), X1 (E84, F48), X3 (F25), X4 (F26), X5 (E70, F15), X6 (F16), Z4 (E89)
- Parameters** 1 Series (F20, F21), 2 Series (F22, F23, F45, F46), 3 Series (E46, E90, F30, F31, F34, F35), 4 Series (F32, F33, F36), 5 Series (F07, F10, F11, F18), 6 Series (E63, F06, F12, F13), 7 Series (F01, F02, F04, G11, G12), X1 (F48), X3 (F25), X4 (F26), X5 (F15), X6 (F16), Z4 (E89)
- Actuators** 1 Series (F20, F21), 2 Series (F22, F23, F45, F46), 3 Series (F30, F31, F34, F35), 4 Series (F32, F33, F36), 5 Series (F07, F10, F11, F18), 6 Series (E63, F06, F12, F13), 7 Series (F01, F02, F04, G11, G12), X1 (F48), X3 (F25), X4 (F26), X5 (F15), X6 (F16), Z4 (E89)
- Codings** Coding injectors (1 Series with N55 engine (F20, F21), 6 Series with N55 engine (F06, F12, F13))
- Test functions**

Performing the energy diagnostics (6 Series (F06, F12, F13), X1 (F48), Z4 (E86))

Performing engine-smoothness control (1 Series (F20, F21), 2 Series (F22, F23, F45, F46), 3 Series (F30, F31, F34), 4 Series (F33, F36), 5 Series (F07, F10, F11), X1 (F48), X3 (F25), X4 (F26), X5 (F15))

Start/stop system diagnosis (1 Series (F20, F21), 2 Series (F22, F23, F45, F46), 3 Series (F30, F31, F34), 4 Series (F33, F36), 5 Series (F07, F10, F11), X1 (F48), X3 (F25), X4 (F26), X5 (F15))

## Chevrolet

- Trouble codes** Captiva (II)
- Parameters** Captiva (II)
- Basic settings**

Calibrating the parking brake (Captiva (II))

Initializing tire pressure sensors (Orlando, Trax)

Regenerating the diesel particulate filter (Trax)

Deleting adaptation values of front camera (Orlando)

Initializing the lane departure warning system camera (Orlando)

Activating the service mode of parking brake cable pull (Captiva (II))

Tensioning the parking brake cable pull upon service (Captiva (II))

Replacing the parking brake cable pull (Captiva (II))
- Service resets**

Releasing the parking brake cable pull manually (Captiva (II))

Tensioning the parking brake cable pull manually (Captiva (II))



# HGS-PATCHNOTE EUR mega macs PC



## Citroën

<b>Trouble codes</b>	C1 (II), C3 (III), C4 Picasso (I), C5 (III), C8, C-Crosser, DS3, DS4, Jumpy (III)
<b>Parameters</b>	C1 (II), C3 (II + III), C4 (I + II), C4 Aircross, C4 Picasso (I), C5 (III), C8, C-Crosser, DS3, DS4, DS5, Jumpy (III)
<b>Actuators</b>	C3 (II + III), C4-Aircross, C4 Picasso (I + II), C5 (II + III), C8, C-Crosser, DS3, DS4, DS5, Jumpy (III)
<b>Basic settings</b>	<p>Initializing the exhaust manifold (C3 (III), C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS3, DS4, DS5, Jumpy(III))</p> <p>Initializing adaptive functions (C4 Aircross)</p> <p>Initializing the additive container/pump/cable upon replacement (C4 (I), C4 Picasso (I), C5 (III), C8, DS4, DS5, Jumpy (III))</p> <p>Initializing the EGR cooler (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Initializing the EGR valve (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Replacing the auxiliary drive belt (C4 (I), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, DS5 Hybrid, Jumpy(III))</p> <p>Initializing the battery current sensor (C4 Aircross)</p> <p>Initializing the vehicle electrical system battery (C3 (III), DS3)</p> <p>Initializing the throttle valve (C3 (III), DS3)</p> <p>Initializing the injectors (C3 (III), C4 (I), C4 Picasso (I), C5 (II + III), C8, DS3, DS4, DS5, Jumpy (III))</p> <p>Initializing the accelerator pedal (C3 (III), DS3)</p> <p>Calibrating the front camera (C1 (II))</p> <p>Initializing the alternator (C3 (III), DS3, DS5 Hybrid)</p> <p>Initializing the high-pressure fuel pump (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Initializing the fuel rail (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Adapting the clutch (C3 (III), DS3)</p> <p>Initializing the oxygen sensor (C4 (I + II), C5 (II + III), C8, Jumpy (III))</p> <p>Resetting learned values of the transmission ECU (C3 (II + III), C4 Picasso (I), C5 (II), C8, Xsara Picasso)</p> <p>Adapting the headlight leveling (C-Crosser)</p> <p>Initializing the air metering system (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Initializing the mass airflow sensor (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Initializing the cylinder block (C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p> <p>Adapting the camshafts (C3 (III), DS3)</p> <p>Filling the regeneration additive container (C4 (I), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))</p>



# HGS-PATCHNOTE EUR mega macs PC



Initializing the diesel particulate filter (C4 (I), C4 Picasso (I), C5 (II + III), C8, DS4, DS5, Jumpy (III))

Forcing particulate filter regeneration when driving (C4, C5 (III), Jumpy)

Forcing diesel particulate filter regeneration at standstill (C4, C5 (III), Jumpy)

Initializing the wipers (C4 Picasso (I), C5 (III), C6)

Adapting the flywheel (C3 (III), DS3)

Initializing the starter (C3 (III), DS3)

Adapting the turbocharger (C3 (III), C4 (I + II), C4 Picasso (I), C5 (II + III), C8, DS3, DS4, DS5, Jumpy (III))

Initializing the cylinder head (C3 (III), C4 (I), C4 Picasso (I), C5 (II + III), C8, DS3, DS4, DS5, Jumpy (III))

## | Codings

Coding the additive quantity (C3 (III), C4 Picasso)

Coding injectors (C4 Aircross, C5 (III), C-Crosser, DS4, DS5)

Coding the wheel valves (Jumpy (III))

Coding the keys (Jumper (III))

## | Service resets

Performing automatic service resets (C4 (II), C4 Cactus, C4-Picasso (II), DS4, DS5)

Resetting the oil aging counter of transmission (4AL) (C3 (III), C4 Picasso, C5 (II + III), C6, C8, DS5, Xsara Picasso)

## | Test functions

Performing the compression test (C5 (III), DS4, DS5)

Performing the pressure build-up/drop test for the fuel pressure (C5 (III), DS4, DS5)

Coding the test for injector cutoff (C5 (III), DS4, DS5)

## Fiat

### | Trouble codes

Ducato (280) Aut. transmission, Doblo (223) Parking assistance

### | Parameters

Ducato (280) Aut. transmission

### | Actuators

Thesis (JTD)

### | Basic settings

Releasing the self-adjustment of the clutch (Idea (JTD), Punto (JTD 188))



# HGS-PATCHNOTE EUR mega macs PC



## Ford

- | **Trouble codes** Galaxy (IV), C-Max (III + IV), Focus (V), Mondeo (V), S-Max (II), Transit (IX), Tourneo Connect (II)
- | **Parameters** Galaxy (IV), C-Max (III + IV), Focus (V), Mondeo (V), S-Max (II), Transit (IX), Tourneo Connect (II)
- | **Basic settings**
  - Initializing the ABS control unit (C-Max (IV), Focus (V))
  - Resetting the battery sensor (Galaxy (IV), S-Max (II))
  - Resetting the battery sensor (Galaxy (IV), S-Max (II))
  - Initializing the brake-pressure sensor (C-Max (IV), Focus (V))
  - Initializing the electrically activated liftgate (C-Max (IV))
  - Resetting the indicator lamp "Water in fuel" (Tourneo Connect (II))
  - Adapting the radiator shutter (Kuga (II))
  - Calibrating the steering wheel position sensor (C-Max (IV), Focus (V))
  - Initializing the steering angle sensor (C-Max (IV), Focus (V))
  - Resetting learned values of the EGR valve (Tourneo Connect (II))
  - Resetting learned values of the injection pump (Tourneo Connect (II))
  - Resetting learned values of injectors 1 to 4 (Kuga (II))
  - Resetting the knock sensor adaptation value (Tourneo Connect (II))
  - Resetting learned values of the engine ECU (Tourneo Connect (II))
  - Resetting learned values of the diesel particulate filter (Tourneo Connect (II))
  - Resetting learned values of the front and rear NOx sensor (Kuga (II))
  - Calibrating lateral and longitudinal acceleration sensor (C-Max (IV), Focus (V))
  - Initializing/activating the tire pressure sensors (C-Max (IV), Focus (V), Galaxy (IV), S-Max (II))
  - Regenerating the diesel particulate filter (Tourneo Connect (II))
  - Initializing the power windows (C-Max (IV), Focus (V), Galaxy (IV), S-Max (II))
  - Initializing the tilt/slide sunroof (C-Max (IV), Focus (V), Galaxy (IV), S-Max (II))
  - Calibrating the lane departure warning system camera (C-Max (IV), Focus (V), Galaxy (IV), S-Max (II))
  - Service mode of parking brake (Galaxy (IV), Mondeo (V), S-Max (II))
- | **Codings** Performing the battery registration (C-Max (IV), Focus (V))
- | **Service resets** Performing the service reset (C-Max (IV), Focus (V))



# HGS-PATCHNOTE EUR mega macs PC



## Honda

<b>Trouble codes</b>	Jazz (GK)
<b>Parameters</b>	Jazz (GK)
<b>Actuators</b>	Jazz (GK)
<b>Basic settings</b>	Calibrating the front camera (Jazz (GK))
<b>Service resets</b>	Performing the service reset (CRV, CRZ, HRV, Insight, Jazz)

## Hyundai

<b>Trouble codes</b>	i10, i20, i40, ix20, Genesis, Santa Fe, Sonata, Tucson (II), Veloster
<b>Parameters</b>	i10, i20, i40, ix20, Tucson (II), Veloster
<b>Actuators</b>	i20, i40, ix20, Santa Fe, Tucson (II), Veloster
<b>Basic settings</b>	Calibrating the ASP (i20, i40, ix20) Initializing the transmission ECU (ix20) Calibrating the camera (dynamic) (Genesis, Tucson (II)) Calibrating the camera (static) (Genesis, Sonata, Tucson (II)) Performing the compression test (Tucson (II)) Calibrating the steering angle sensor (i20, i40, Tucson (II)) Resetting learned values of the ABS control unit (Tucson (II)) Resetting learned values of the four-wheel drive ECU (Tucson (II)) Resetting learned values of the transmission ECU (Tucson (II), Veloster) Resetting learned values of the engine ECU (Tucson (II)) Resetting learning values of the tire pressure check (Tucson (II), Veloster) Resetting learned values of the lane departure warning (Tucson (II)) Initializing the engine ECU (i20, ix20)
<b>Codings</b>	Coding the injectors (Tucson (II)) Coding the wheel valves (i10, i40, ix20, Santa Fe, Tucson (II), Veloster)



# HGS-PATCHNOTE EUR mega macs PC



## Jaguar

<b>Trouble codes</b>	X 150 XK, X 250 XF, X 350 XJ, X 760 XE, X 152 F-Type, X 200 S-Type, X 202 S-Type, X 351 new XJ, X 400 X-Type
<b>Parameters</b>	X 250 XF, X 350 XJ, X 760 XE, X 200 S-Type
<b>Basic settings</b>	Initializing the throttle valve actuator (X 760 XE) Resetting learned values of the powertrain control module (X 760 XE) Performing tank leak diagnosis (X 250 XF, ) De/activating the parking brake service mode ABS (X 760 XE)
<b>Codings</b>	Coding the battery registration (X 760 XE) Replacing the tire pressure sensor (X 760 XE)
<b>Service resets</b>	Performing the service reset (X 250 XF, X 350 XJ, X 200 S-Type)





# HGS-PATCHNOTE EUR mega macs PC



## Jeep

<b>Trouble codes</b>	Cherokee (KL), Compass (MK), Grand Cherokee (WK), Renegade (BU), Wrangler (JK)
<b>Parameters</b>	Cherokee (KL), Compass (MK), Grand Cherokee (WK), Wrangler (JK)
<b>Actuators</b>	Cherokee (KL), Compass (MK), Grand Cherokee (WK), Renegade (BU), Wrangler (JK)
<b>Basic settings</b>	Bleeding the ABS/ESC system (Compass (MK), Grand Cherokee (WK), Wrangler (JK)) Initializing the wheel speed sensors (Grand Cherokee (WK)) Initializing the brake-pressure sensor (Grand Cherokee (WK)) Adapting the swirl flaps (Compass (MK)) Replacing the throttle valve actuator (Grand Cherokee (WK)) Initializing the injector (Cherokee (KL)) Adapting the diesel exhaust fluid tank (Grand Cherokee (WK)) Adapting the additive dosing module (Grand Cherokee (WK)) Filling the diesel exhaust fluid tank (Grand Cherokee (WK)) Standardizing the A/C flap actuators (Compass (MK), Wrangler (JK)) Adapting the A/C compressor (Wrangler (JK)) Replacing the fuel supply pump (Compass (MK)) Initializing the crankshaft position sensor (Grand Cherokee (WK), Wrangler (JK)) Bleeding the cooling system (Compass (MK)) Initializing the boost pressure regulator (Compass (MK)) Initializing the oxygen sensor (Wrangler (JK)) Replacing the oxygen sensor (Cherokee (KL), Grand Cherokee (WK)) Resetting learned values of emission-relevant components (Cherokee (KL), Grand Cherokee (WK)) Resetting learned values of the EGR valve (Compass (MK), Grand Cherokee (WK)) Resetting learned values of the ABS control unit (Wrangler (JK)) Resetting learned values of DEF pump (Grand Cherokee (WK)) Resetting learned values of the catalytic converter (Cherokee (KL), Grand Cherokee (WK), Wrangler (JK)) Resetting learned values of the fuel quantity (Cherokee (KL), Wrangler (JK)) Resetting learned values of the oxygen sensor (Grand Cherokee (WK)) Resetting learned values of the mass airflow sensor (Grand Cherokee (WK)) Resetting learned values of NOx sensor (Grand Cherokee (WK)) Initializing the mass airflow sensor (Cherokee (KL)) Resetting the quantity mean value adaptation (Grand Cherokee (WK), Wrangler (JK)) Initializing minimum injection quantities (Compass (MK)) Replacing the neutral position sensor (Cherokee (KL))



# HGS-PATCHNOTE EUR mega macs PC



Initializing the lean NOx catalyst (Grand Cherokee (WK))  
Zero fuel quantity calibration (Grand Cherokee (WK))  
Cleaning the oil control valve (Grand Cherokee (WK), Wrangler (JK))  
Initializing the diesel particulate filter (Grand Cherokee (WK))  
Replacing the particulate filter (Cherokee (KL), Wrangler (JK))  
Upon particulate filter replacement (Compass (MK), Grand Cherokee (WK))  
Regenerating the diesel particulate filter (Cherokee (KL), Compass (MK), Grand Cherokee (WK))  
Cleaning the oil control valve 2 (Grand Cherokee (WK), Wrangler (JK))

## | Codings

Unlocking all doors (Wrangler (JK))  
Coding the automatic locking of doors (Wrangler (JK))  
Coding instrument cluster units (Wrangler (JK))  
Coding injectors (Grand Cherokee (WK), Wrangler (JK), Compass (MK))  
Configuring the gateway (Wrangler (JK))  
Coding the country version (Wrangler (JK), Compass (MK))  
Coding the tire pressure monitoring system manually (Wrangler (JK))  
Coding the language version of the instrument cluster (Wrangler (JK))  
Confirmation of c/locking with hazard warning system (Wrangler (JK), Compass (MK))

## | Service resets

Resetting the oil change service (Compass (MK))  
Performing the service reset (Grand Cherokee (WK), Renegade (BU), Wrangler (JK))

## Kia

### | Trouble codes

Sportage

### | Parameters

Sportage

### | Actuators

Sportage

### | Basic settings

Calibrating the camera (dynamic) (Sportage)  
Calibrating the camera (static) (Sportage)  
Initializing the steering angle sensor (Sportage)

### | Codings

Coding the wheel valves (Sportage)

## Lancia

### | Basic settings

Releasing the self-adjustment of the clutch (Ypsilon (II))



# HGS-PATCHNOTE EUR mega macs PC



## Land Rover

<b>Trouble codes</b>	Defender, Discovery (III), Discovery Sport, Freelander (II), Land Rover (II, III, IV), Range Rover, Range Rover (III, IV, V), Range Rover Evoque, Range Rover Sport, Range Rover Sport (IV, V)
<b>Parameters</b>	Defender, Discovery (III), Discovery Sport, Freelander (II), Land Rover (II, III, IV), Range Rover, Range Rover (III, IV, V), Range Rover Evoque, Range Rover Sport, Range Rover Sport (IV, V)
<b>Actuators</b>	Discovery Sport, Freelander (II), Land Rover (III), Range Rover (IV, V), Range Rover Evoque, Range Rover Sport (IV, V)
<b>Basic settings</b>	<p>Performing the leak test of high-pressure pump (Defender)</p> <p>Initializing the particulate filter differential pressure sensor upon replacement (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Initializing the fuel quantity control valve (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Calibrating the steering angle sensor (Discovery Sport, Range Rover (VI))</p> <p>Resetting learned values of the EGR valve (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting learned values of the throttle actuator (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting learned values of the fuel supply pump (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting learned values of the oxygen sensor (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting learned values of the oxidation catalytic converter (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting learned values of the powertrain control module ECU (Defender, Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting transfer case adaptation values (Land Rover (III), Range Rover (III), Range Rover Sport, Range Rover Sport (V))</p> <p>Initializing the rain sensor (Land Rover (III), Range Rover (III), Range Rover Sport, Range Rover Sport (V))</p> <p>Regenerating the particulate filter dynamically (Defender, Discovery Sport, Range Rover (V, VI), Range Rover Sport (V))</p> <p>Initializing the particulate filter upon replacement (Defender, Range Rover (V, VI), Range Rover Sport (V))</p> <p>Calibrating the power windows of driver/passenger door (Discovery Sport)</p> <p>Initializing the sunroof (Range Rover (IV, V), Range Rover Sport (IV, V))</p> <p>Initializing the turbocharger cutoff valve (Range Rover (V, VI), Range Rover Sport (V))</p> <p>Resetting the warning light "Water in fuel" (Range Rover (V, VI), Range Rover Sport (V))</p> <p>De/activating the service mode of ABS control unit (Discovery Sport)</p>



# HGS-PATCHNOTE EUR mega macs PC



- Codings** Coding the injectors (Defender, Discovery Sport, Range Rover (V, VI), Range Rover Sport (V))  
Replacing the tire pressure sensor (Discovery Sport)
- Service resets** Resetting the oil wear value (Discovery Sport, Range Rover (V, VI), Range Rover Sport (V))  
Performing the service reset (Freelander (II), Range Rover Evoque)

## Lexus

- Actuators** GRS 430 (UZS), RX 350 (GGL), RX 400h (MHU), RX 450h (GYL), SC 430
- Basic settings**
  - Deactivating the electro-hydraulic brake (CT 200h (ZWA), GS 450h (GWS), LS 600h (UVF), RX 400h (MHU), RX 450h (GYL))
  - Deactivating the electronic stability control (CT 200h (ZWA), GS 450h (GWS), LS 600h (UVF), RX 400h (MHU), RX 450h (GYL))
  - Calibrating the front camera (NX (AGZ, AYZ))
  - Initializing the yaw rate sensor (CT 200h (ZWA), GS 450h (GWS), LS 600h (UVF), RX 400h (MHU), RX 450h (GYL))
  - Resetting learned values of the ABS control unit (CT 200h (ZWA), GS 450h (GWS), LS 600h (UVF), RX 400h (MHU), RX 450h (GYL))
  - Service mode (engine immobilizer can be deactivated > gasoline engine runs) (RX 400h (MHU), RX 450h (GYL))



# HGS-PATCHNOTE EUR mega macs PC

## Mazda

<b>Trouble codes</b>	CX-3, Mazda2 (DJ), MX-5 (ND)
<b>Parameters</b>	CX-3
<b>Basic settings</b>	Initializing the brake-pressure sensor (CX-3, MX-5, Mazda2) Initializing the throttle valve (CX-3) Calibrating the front camera (CX-3, MX-5, Mazda2) Initializing the yaw rate sensor (CX-3, MX-5, Mazda2) Resetting learned values of the EGR valve (CX-3) Resetting learned values of injectors (CX-3) Resetting learned values of fuel pump (CX-3) Resetting learned values of the oxygen sensor (CX-3) Resetting headlight leveling adaptation values (CX-3, MX-5, Mazda2) Resetting learned values of the mass airflow sensor (CX-3) Resetting learned values of the engine ECU (CX-3) Resetting learned values of the diesel particulate filter (CX-3) Initializing the lateral/longitudinal acceleration sensor (CX-3, MX-5, Mazda2) Resetting soot load compensation (CX-3) Regenerating the diesel particulate filter (CX-3) Adapting the turbocharger (CX-3)
<b>Codings</b>	Various encoding processes performed (CX-3) Coding injectors (CX-3) Setting the engine oil monitoring function (CX-3, MX-5, Mazda2)
<b>Service resets</b>	Various service resets done (CX-3) Resetting oil quality (CX-3)



# HGS-PATCHNOTE EUR mega macs PC



## Mercedes

<b>Trouble codes</b>	BM117 / 156 / 166 / 171 / 172 / 176 / 203 / 204 / X204 / 205 / 207 / 209 / 212 / 216 / 217 / 218 / 219 / 222 / 230 / 231 / 246 / 251 / 253 / 292 / 415 / 447 / 639 / 906 / 906 (III)
<b>Parameters</b>	BM117 / 156 / 166 / 171 / 172 / 176 / 203 / 204 / X204 / 205 / 207 / 212 / 216 / 217 / 218 / 222 / 231 / 246 / 253 / 292 / 447 / 639 / 906 / 906 (III)
<b>Actuators</b>	BM117 / 156 / 166 / 171 / 172 / 176 / 203 / 204 / X204 / 205 / 207 / 212 / 216 / 217 / 218 / 222 / 246 / 253 / 292 / 447 / 639 / 906 / 906 (III)
<b>Basic settings</b>	<p>Initializing the exhaust gas flap actuator (BM117)</p> <p>Adaptation drive cycle for Distronic (BM117 / 156 / 172 / 176 / 207 / 217 / 231 / 246 / 292)</p> <p>Initializing the adaptive cruise control (BM164 / 209 / 216 / 219 / 230 / 251)</p> <p>Initializing the EGR valve (BM207)</p> <p>Resetting the counter for xenon lamp operating hours (BM207)</p> <p>Initializing the diesel particulate filter differential pressure sensor (BM207)</p> <p>Initializing the throttle valve (BM207)</p> <p>Adapting the pressure-regulating valve (BM207)</p> <p>Adapting the intake port shut-off (BM205)</p> <p>Performing the A/C compressor run-in (BM207)</p> <p>Resetting the injection quantity mean value (BM207)</p> <p>Initial filling of the diesel exhaust fluid tank (BM447)</p> <p>Resetting the diesel exhaust fluid level (BM166 / 205 / 222 / 447)</p> <p>Checking transmission oil level (BM171 / 204 / 207)</p> <p>Resetting the limit value for warning notice of diesel exhaust fluid (BM447)</p> <p>Initializing the diesel exhaust fluid level sensor (BM447)</p> <p>Initializing the diesel exhaust fluid level sensor (BM166 / 205 / 222)</p> <p>Adapting the hot-film air mass sensor (BM207)</p> <p>Calibrating the camera ECU (BM292 / 253)</p> <p>Calibrating the night vision assist camera (BM207 / 217)</p> <p>Initializing the air conditioning actuators (BM207)</p> <p>Performing the compression test (BM207)</p> <p>Activating the fuel pump (BM205 / 207)</p> <p>Bleeding the fuel circuit (BM205)</p> <p>Resetting the air-suspension compressor run-time (BM166 / 207)</p> <p>Initializing the steering angle sensor (BM117 / 156 / 166 / 176 / 204 / X204 / 207 / 218 / 246 / 231)</p> <p>Resetting the learned values for DEF dosing module (BM205)</p> <p>Resetting the learned values for DEF injector (BM205 / 447 / 906)</p> <p>Resetting learned values of DEF pump (BM166 / 205 / 222 / 447 / 906)</p>



# HGS-PATCHNOTE

## EUR

### mega macs PC



- Resetting learned values of the oxygen sensor (BM205)
- Resetting learned values of the air filter (BM205 / 207)
- Resetting learned values of camshaft sensor (BM205)
- Placing the electric parking brake in installation position (BM447)
- Calibrating the multi-function camera Mono (BM166 / 207 / 216 / 217 / 253 / 292)
- Calibrating the multi-function camera Stereo (BM166 / 207 / 217 / 253 / 292)
- Upon particulate filter replacement (BM205)
- Resetting Neck-Pro headrests (BM204)
- Initializing the oxidation catalyst upon replacement (BM205)
- Initializing the tire pressure manually (BM207 / 217)
- Calibrating the rearview camera (BM117 / 156 / 166 / 172 / 176 / 204 / x204 / 205 / 217 / 218 / 231 / 246 / 253)
- Initializing the diesel particulate filter EGR low-pressure valve (BM117)
- Regenerating the diesel particulate filter (BM207)
- Adjusting the headlights (BM207)
- Adapting the SCR catalyst upon replacement (BM205)
- Standardizing the loading space cover actuator (BM207)
- Standardizing the EGR low-pressure valve actuator (BM117)
- Temperature sensor before SCR catalyst (BM205 / 447)
- Adapting the touch-sensitive surface of the touchpad (BM222)
- Calibrating the all-round vision camera (BM217)
  
- Codings**
  - Coding the trailer hitch (BM207)
  
- Service resets**
  - Registering the digital maintenance book (BM207)
  - Resetting the diesel exhaust fluid (BM166 / 207)
  - Performing the manual service reset (BM207 / 415)
  - Reading out the service tasks (BM166 / 207)
  - Performing the service reset (BM166 / 207)
  - Resetting the inadvertent reset of the service (BM166 / 207)



# HGS-PATCHNOTE EUR mega macs PC



## Mini

- | **Trouble codes** Mini Cabrio (R57, F57), Mini Clubman (R55), Mini Countryman (R60), Mini Coupe (R58), Mini One (R56), Mini Roadster (R59), Mini Paceman (R61)
- | **Parameters** Mini Cabrio (F57), Mini Clubman (F54), Mini One (F55, F56)
- | **Actuators** Mini One (F55, F56)
- | **Basic settings**
  - Starting torque adjustment (Mini Cabrio (F57), Mini Clubman (F54))
  - Initializing the EGR valve (Mini Cabrio (F57), Mini Clubman (F54))
  - Resetting the equipment version (Mini Cabrio (F57), Mini Clubman (F54))
  - Bleeding the braking system (Mini Cabrio (R57), Mini Clubman (R55), Mini Countryman (R60), Mini Coupe (R58), Mini One (R56), Mini Roadster (R59), Mini Paceman (R61))
  - Activating the fuel pump (Mini Cabrio (F57), Mini Clubman (F54))
  - Activating the fuel pump (Mini Cabrio (F57), Mini Clubman (F54))
  - Bleeding the fuel system (Mini Cabrio (F57), Mini Clubman (F54))
  - Bleeding the cooling system (Mini Cabrio (F57), Mini Clubman (F54))
  - Resetting learned values of the exhaust system (Mini Cabrio (F57), Mini Clubman (F54))
  - Reset adaptation values of induction system (Mini Cabrio (F57), Mini Clubman (F54))
  - Resetting learned values of the fuel system (Mini Cabrio (F57), Mini Clubman (F54))
  - Resetting learned values of minimum injection quantities (Mini Cabrio (F57), Mini Clubman (F54))
  - Resetting learned values (Mini Cabrio (F57), Mini Clubman (F54))
  - Actuating the assembly position of the EGR valve (Mini Cabrio (F57), Mini Clubman (F54), Mini One (F55, F56))
  - Adapting the variable camshaft timing (Mini Cabrio (F57), Mini Clubman (F54))
  - Upon particulate filter replacement (Mini Cabrio (F57), Mini Clubman (F54))
  - Regenerating the diesel particulate filter (Mini Cabrio (F57), Mini Clubman (F54))
  - Adapting shifting speed regulation (Mini Cabrio (F57), Mini Clubman (F54))
  - Adapting the variable valve lift (Mini Cabrio (F57), Mini Clubman (F54))
  - Interchanged brake pipe check (Mini Cabrio (F57))
  - Service mode of parking brake (Mini Cabrio (F57))
- | **Codings** Performing the battery registration (Mini Cabrio (F57), Mini Clubman (F54))





# HGS-PATCHNOTE EUR mega macs PC



## | Service resets

Service interval reset (Mini Cabrio (F57), Mini Clubman (F54))

## | Test functions

Performing the energy diagnostics (Mini Cabrio (F57), Mini Clubman (F54))

Quick test of all ECUs (Mini Cabrio (R57), Mini Clubman (R55), Mini Countryman (R60), Mini Coupe (R58), Mini One (R56), Mini Roadster (R59), Mini Paceman (R61))

Performing engine-smoothness control (Mini Cabrio (F57), Mini Clubman (F54), Mini One (F55, F56))

Resetting learned values (Mini Cabrio (F57), Mini Clubman (F54))

Start/stop system diagnosis (Mini Cabrio (F57), Mini Clubman (F54), Mini One (F55, F56))



# HGS-PATCHNOTE EUR mega macs PC



## Nissan

<b>Trouble codes</b>	Pulsar (C13M), Qashqai (J11)
<b>Parameters</b>	Pulsar (C13M), Qashqai (J11)
<b>Actuators</b>	Pulsar (C13M), Qashqai (J11)
<b>Basic settings</b>	<p>Initializing the exhaust gas flap (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the intake-air flap (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the diesel particulate filter differential pressure sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Resetting the fuel trim (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the height sensor upon replacement (Pulsar (C13M))</p> <p>Initializing the high-pressure fuel pump (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the fuel pressure sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Activating the fuel pump (Pulsar (C13M), Qashqai (J11))</p> <p>Adapting the clutch pedal sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the crankshaft position sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the boost pressure sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Calibrating the longitudinal/lateral acceleration sensor (Pulsar (C13M))</p> <p>Initializing the steering angle sensor (Pulsar (C13M))</p> <p>Resetting the learned values of the EGR bypass valve (Pulsar (C13M), Qashqai (J11))</p> <p>Resetting learned values of the EGR valve (Pulsar (C13M), Qashqai (J11))</p> <p>Resetting learned values of the oxygen sensor (Qashqai (J11))</p> <p>Resetting learned values of low pressure EGR valve (Pulsar (C13M), Qashqai (J11))</p> <p>Resetting starter learned values (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the mass airflow sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the camshaft sensor (Pulsar (C13M), Qashqai (J11))</p> <p>Initializing the rain/light sensor (Pulsar (C13M))</p> <p>Upon particulate filter replacement (Pulsar (C13M), Qashqai (J11))</p> <p>After particulate filter regeneration (Pulsar (C13M))</p> <p>Regenerating the diesel particulate filter (Pulsar (C13M), Qashqai (J11))</p> <p>Adapting the turbocharger (Pulsar (C13M), Qashqai (J11))</p>
<b>Codings</b>	Coding injectors (Pulsar (C13M), Qashqai (J11))
<b>Service resets</b>	Service interval reset (Pulsar (C13M), Qashqai (J11))



# HGS-PATCHNOTE EUR mega macs PC



## Opel

<b>Trouble codes</b>	Astra-K, Karl, Movano-B, Zafira-B
<b>Parameters</b>	Zafira-B
<b>Actuators</b>	Astra-K, Zafira-B
<b>Basic settings</b>	Calibrating the adaptive cruise control (Astra-J, Insignia, Zafira-C) Initializing the EGR valve (Movano-B) ASG – Bleeding the clutch hydraulic system (Zafira-B) ASG – Initializing the transmission parameters (Zafira-B) ASG – Clutch gripping point recognition (Zafira-B) Resetting the outside temperature sensor (Adam) Deleting data of previous front camera deactivations (Astra-K, Karl) Initializing the throttle valve (Movano-B) Calibrating the front camera (Astra-K, Karl) Resetting the fuel trim (Adam) Aborting the camera calibration (Astra-K, Karl) Initializing the air conditioning actuators (Adam, Ampera, Astra-J, Astra-K, Cascada, Corsa-E, Insignia, Karl, Meriva-B, Mokka, Zafira-C) Initializing the fuel pressure regulator (Adam, Movano-B) Initializing the fuel injector for diesel particulate filter (Movano-B) Initializing the high-pressure fuel pump (Movano-B) Initializing the crankshaft position (Adam, Movano-B) Initializing the oxygen sensor heater (Adam) Idle adaptation (Adam) Initializing the steering angle sensor (Antara) Resetting learned values of the throttle actuator (Adam) Resetting learning values of fuel pressure sensor (Adam) Resetting learned values of minimum injection quantity (Adam) Resetting learned values of variable turbocharger (Adam) Initializing the mass airflow sensor (Movano-B) Initializing the neutral position sensor (Adam) Adapting the transmission clutch position (Adam) Calibrating the tire pressure monitoring system (Adam, Astra-J, Astra-K, Cascada, Corsa-E, Insignia, Karl, Zafira-C) Regenerating the diesel particulate filter (Astra-J, Cascada, Insignia, Zafira-C)



# HGS-PATCHNOTE EUR mega macs PC



<b>Codings</b>	Coding injectors (Movano-B) Coding the idle speed (Adam)
<b>Service resets</b>	Performing the manual service reset (Movano-B) Resetting engine oil service life (Adam, Astra-K, Karl)
<b>Peugeot</b>	
<b>Trouble codes</b>	Partner (III) (Electric)
<b>Parameters</b>	Partner (III) (Electric)
<b>Actuators</b>	Partner (III) (Electric)
<b>Basic settings</b>	Accessory drive belt (508 Hybrid, 3008 Hybrid, Partner (III)) Initializing the diesel particulate filter differential pressure sensor (4008) De-energizing the vehicle (Partner (III)) Standardizing the fresh-air flap (407) Calibrating the front camera (108) Replacing the fuel supply pump (4008) Calibrating the steering angle sensor (4008) Resetting learned values of the battery monitoring ECU (4008) Initializing minimum injection quantities (4008) Forcing particulate filter regeneration during driving (4008) Replacing the particulate filter (4008) Initializing the wiper motor (3008, 5008) System malfunction service of Diesel particulate filter (4008)
<b>Codings</b>	Coding the additive quantity (Partner (III)) Coding injectors (4007, 4008)
<b>Service resets</b>	Resetting learned values of the oil quality (307)
<b>Test functions</b>	Performing the leak test of fuel line (4008)



# HGS-PATCHNOTE EUR mega macs PC



## Porsche

- | Trouble codes** 911 (991), 911 Carrera 4, 911 Carrera 4S, 911 Carrera S, 911 GT3, 911 GT3 RS, 911 Turbo, 911 Turbo S, Boxster (981), Boxster GTS, Boxster S, Boxster Spyder, Cayenne (92A), Cayenne GTS, Cayenne S, Cayenne S Hybrid, Cayenne Turbo, Cayenne Turbo S, Macan (95B), Macan GTS, Macan S, Panamera (970), Panamera 4, Panamera 4S, Panamera GTS, Panamera S, Panamera S Hybrid, Panamera Turbo, Panamera Turbo S
- | Parameters** 911 (991), 911 Carrera 4, 911 Carrera 4S, 911 Carrera S, 911 GT3, 911 GT3 RS, 911 Turbo, 911 Turbo S, Cayenne (92A), Cayenne GTS, Cayenne S, Cayenne S Hybrid, Cayenne Turbo, Cayenne Turbo S, Macan (95B), Macan GTS, Macan S, Panamera (970), Panamera 4, Panamera 4S, Panamera GTS, Panamera S, Panamera S Hybrid, Panamera Turbo, Panamera Turbo S
- | Actuators** 911 (991), 911 Carrera 4, 911 Carrera 4S, 911 Carrera S, 911 GT3, 911 GT3 RS, 911 Turbo, 911 Turbo S, Cayenne (92A), Cayenne GTS, Cayenne S, Cayenne S Hybrid, Cayenne Turbo, Cayenne Turbo S, Macan (95B), Macan GTS, Macan S, Panamera (970), Panamera 4, Panamera 4S, Panamera GTS, Panamera S, Panamera S Hybrid, Panamera Turbo, Panamera Turbo S
- | Basic settings**
  - Initializing the throttle valves (Cayenne (92A), Panamera (970))
  - Resetting the diesel exhaust fluid level (Cayenne (92A))
  - Adapting the DEF injection system (Cayenne (92A))
  - Adapting the radiator shutter (Cayenne (92A))
  - Resetting the start inhibitor of DEF injection system (Cayenne (92A))



# HGS-PATCHNOTE EUR mega macs PC



## Renault

<b>Trouble codes</b>	Espace (IV, V), Fluence, Kadjar
<b>Parameters</b>	Espace (IV, V), Fluence, Kadjar
<b>Actuators</b>	Espace (IV, V), Fluence, Kadjar
<b>Basic settings</b>	<p>Initializing the exhaust gas flap (Kadjar)</p> <p>Initializing the low setting of the exhaust flap (Fluence)</p> <p>Initializing the exhaust gas back pressure sensor (Fluence)</p> <p>Bleeding the ABS hydraulic unit (Kadjar)</p> <p>Adapting the oxygen sensor (Espace (IV), )</p> <p>Initializing the EGR bypass solenoid valve (Espace (IV, V), )</p> <p>Initializing the EGR valve (Espace (V), Fluence, Kadjar)</p> <p>Initializing the intake-air flap (Fluence)</p> <p>Initializing the exhaust camshaft sensor (Kadjar)</p> <p>Resetting the operating counter of the high-pressure pump (Espace (V))</p> <p>Initializing the diesel particulate filter differential pressure sensor (Espace (IV, V), Fluence, Kadjar)</p> <p>Initializing the throttle stop (Kadjar)</p> <p>Adapting the injection pump pressure regulation (Fluence)</p> <p>Performing the basic setting of the engine adjustment (Fluence)</p> <p>Initializing the intake camshaft sensor (Kadjar)</p> <p>Adapting the injection pump (Espace (V), Fluence, Kadjar)</p> <p>Initializing the ride height sensor (Espace (V))</p> <p>Calibrating the front camera statically (Espace (V), Kadjar)</p> <p>Initializing the catalyst (Espace (V), Kadjar)</p> <p>Initializing the knock sensor (Fluence)</p> <p>Initializing the fuel pressure sensor (Espace (IV, V), Kadjar)</p> <p>Initializing the fuel quantity control valve of injection pump (Fluence)</p> <p>Activating the fuel pump (Fluence)</p> <p>Resetting the learned value of injectors (Fluence)</p> <p>Resetting the learned value of fuel pressure sensor (Fluence)</p> <p>Resetting the learned value of the air intake flap in case of malfunction (Fluence)</p> <p>Initializing the boost pressure control valve (Kadjar)</p> <p>Initializing the boost pressure sensor (Fluence)</p> <p>Initializing the oxygen sensor (Espace (V), Fluence, Kadjar)</p> <p>Calibrating the steering angle sensor (Espace (V), Kadjar)</p> <p>Resetting learned values of the EGR valve (Espace (IV), Fluence)</p>



# HGS-PATCHNOTE EUR mega macs PC



Deleting learned values of the pressure-regulating valve (Fluence)  
Resetting learned values of fuel injector of particulate filter (Fluence)  
Resetting learned values of mixture regulation of the injectors upon replacement (Kadjar)  
Initializing the air intake flap (Espace (IV, V), Fluence, Kadjar)  
Initializing the mass airflow sensor (Espace (IV), Fluence, Kadjar)  
Adapting the low-pressure EGR valve (Fluence, Kadjar)  
Initializing the camshaft sensor (Fluence)  
Initializing the cam phaser solenoid valve (Kadjar)  
Initializing the steering angle sensor position (Espace (V), Kadjar)  
Initializing the particulate filter upon replacement (Fluence, Kadjar)  
Regenerating the particulate filter upon replacement (Espace (IV, V), Fluence)  
Regenerating the diesel particulate filter (Espace (IV, V), Kadjar)  
Initializing the swirl flap (Espace (V), Fluence, Kadjar)  
Initializing the starter ring gear (Espace (IV, V), Fluence, Kadjar)  
Adapting the electric circuit of injector (Fluence)  
Adapting the turbocharger (Fluence)  
De/activating the parking brake service mode (Espace (V), Kadjar)

## | Codings

Locking/unlocking the airbag ECU (Espace (V), Kadjar)  
De/activating the trailer hitch (AHK) (Espace (V), Kadjar)  
Coding the parking assist (Kadjar)  
Coding the trailer stability program (Espace (V))  
Coding the injectors (Espace (IV, V), Fluence, Kadjar)  
Coding units of measure (Espace (V), Kadjar)  
Coding the language version of the instrument cluster (Espace (V), Kadjar)  
Coding the speedometer index (Espace (V), Kadjar)

## | Service resets

Performing the manual service reset (Espace (V), Kadjar)

## Seat

## | Basic settings

Initializing the brake-pressure sensor (Mii (KF))  
Initializing the ESC sensors (Mii (KF))  
Initializing the steering angle sensor (Mii (KF))



# HGS-PATCHNOTE EUR mega macs PC

## Skoda

Trouble codes	Superb (3V)
Parameters	Superb (3V)
Actuators	Superb (3V)
Basic settings	Initializing the brake-pressure sensor (Citigo (NF)) Initializing the ESC sensors (Citigo (NF)) Initializing the steering angle sensor (Citigo (NF)) Adapting the parking heater remote control (Octavia (5E), Superb (3V)) Unlocking the parking heater/auxiliary heater (Octavia (5E), Superb (3V)) Regenerating the parking heater/auxiliary heater (Octavia (5E), Superb (3V))

## Smart

Trouble codes	MC01, Fortwo (450)
Basic settings	Adapting the transmission (Fortwo (451)) Opening the clutch (Fortwo (451)) Closing the clutch (Fortwo (451)) Adapting the clutch biting point (Fortwo (451))

## SsangYong

Trouble codes	Korando, Kyron, Rexton (II), Rodius
Parameters	Korando, Kyron, Rexton (II), Rodius
Actuators	Korando, Kyron, Rexton (II), Rodius
Basic settings	Bleeding the ABS/DSC hydraulic unit (Korando, Kyron, Rexton (II), Rodius) Initializing the lateral/longitudinal acceleration sensor (Korando, Kyron, Rexton (II), Rodius) Initializing the brake-pressure sensor (Korando, Kyron, Rexton (II), Rodius)

## Suzuki

Trouble codes	Grand Vitara
---------------	--------------





# HGS-PATCHNOTE EUR mega macs PC



## Toyota

<b>Trouble codes</b>	Avensis (WWT271), RAV4 Hybrid (AVA44)
<b>Parameters</b>	Avensis (WWT271), RAV4 Hybrid (AVA44)
<b>Actuators</b>	Avensis (WWT271), RAV4 Hybrid (AVA44)
<b>Basic settings</b>	<p>Calibrating the front camera (Safety Sense) (Auris (ADE, NDE, NRE, WWE, ZRE), Avensis (ADT, AZT, ZRT), Avensis Hybrid (ZWE186), Aygo (KGB40, PAB40), RAV4 Hybrid (AVA44), Yaris (NHP, NLP, NSP, KSP))</p> <p>Resetting learned values of the EGR valve (Avensis (WWT271))</p> <p>Resetting learned values of the differential pressure sensor of the diesel particulate filter (Avensis (WWT271))</p> <p>Resetting learned values of the de-NOx system (Avensis (WWT271))</p> <p>Resetting learned values of fuel pressure regulator (Avensis (WWT271))</p> <p>Resetting high-pressure fuel pump adaptation values (Avensis (WWT271))</p> <p>Resetting learned values of the oxygen sensor (Avensis (WWT271))</p> <p>Resetting learned values of the diesel particulate filter (Avensis (WWT271))</p> <p>Resetting learned values of the swirl flap actuator (Avensis (WWT271))</p> <p>Resetting learned values of the turbocharger (Avensis (WWT271))</p>



# HGS-PATCHNOTE EUR mega macs PC



## Volkswagen

<b>Trouble codes</b>	CC (35), Golf 7 (5G, BA, AM, BE), Jetta (16), Passat (3G), T6 (SG, SF)
<b>Parameters</b>	CC (35), Golf 7 (5G, BA, AM, BE), Jetta (16), Passat (3G), Touran (5T)
<b>Actuators</b>	CC (35), Golf 7 (5G, BA, AM, BE), Passat (3G), Touran (5T)
<b>Basic settings</b>	<p>Initializing the exhaust gas back pressure sensor (CC (35))</p> <p>Initializing the adaptive cruise control (Phaeton (3D), Touran (5T))</p> <p>Initializing the EGR valve (CC (35))</p> <p>Initializing the brake-pressure sensor (up!( 12))</p> <p>Initializing the throttle valve (CC (35), Golf 7 (5G, AM, BA, BE))</p> <p>Initializing the ESC sensors (up!( 12))</p> <p>Calibrating the front camera (Phaeton (3D), Touran (5T))</p> <p>Adapting the DEF injection system (CC (35))</p> <p>Bleeding the cooling system (CC (35), Golf 7 (5G, AM, BA, BE))</p> <p>Initializing the steering angle sensor (up!( 12))</p> <p>Resetting learned values of the engine ECU (CC (35))</p> <p>Adapting the diesel particulate filter (CC (35))</p> <p>Regenerating the diesel particulate filter (CC (35))</p> <p>Unlocking the parking heater/auxiliary heater (Golf 7 (5G, AM, BA, BE), Passat (3G), Touran (5T), T6 (SF, SG))</p> <p>Regenerating the parking heater/auxiliary heater (Golf 7 (5G, AM, BA, BE), Passat (3G), Touran (5T), T6 (SF, SG))</p> <p>Adapting the turbocharger (CC (35))</p> <p>Standardizing the auxiliary heater remote control (Golf 7 (5G, AM, BA, BE), Passat (3G), Touran (5T), T6 (SF, SG))</p>
<b>Codings</b>	<p>De-/Activating radar distance sensors (Phaeton (3D))</p> <p>Coding injectors (CC (35))</p> <p>Coding the radio remote control (CC (35), Caddy (9K), Passat (36, 3C))</p> <p>Coding the headlight leveling system (Golf 6 (51, 52, 5K, AJ), , Tiguan (5N), Touran (1T))</p> <p>Coding the rain/light sensor (Sharan (7N))</p>



# HGS-PATCHNOTE EUR mega macs PC



## Volvo

<b>Trouble codes</b>	C30, C70 (II), S40 (I), S40 (II), S60 (I), S80 (I), V40 (I), V50, V70 (II), XC70 (II), XC90
<b>Parameters</b>	C30, C70 (II), S40 (I), S40 (II), S60 (I), S80 (I), V40 (I), V50, V70 (II), XC70 (II), XC90
<b>Actuators</b>	C30, C70 (II), S40 (I), S40 (II), S60 (I), S80 (I), V40 (I), V50, V70 (II), XC70 (II), XC90
<b>Basic settings</b>	Initializing the ride height sensor (xenon headlights) (C30, C70, S40 (II), V50) Resetting the fluid level of the regeneration additive system (C30, C70, S40, V50) Resetting the air conditioning actuators (S60 (I), S80 (I), V70 (II), XC70 (II), XC90 (I)) Calibrating the rearview camera (from model year on 2014 V70 (III), XC60, XC70 (III))



## HGS-PATCHNOTE EUR mega macs PC



### 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.

### Technical data

---

The technical data field is an exclusive list of applications of various manufacturers. Here you will find new functions and detailed extensions to the prevailing vehicle types.

[Click here to call up the detailed technical data.](#)



# HGS-PATCHNOTE EUR mega macs PC



## Tabular overview of the update version 50

Supplementations and new functions							
Manufacturer	Trouble codes	Parameters	Actuators	Basic settings	Codings	Service resets	Test function
Alfa Romeo	●	●	●	●	●	●	●
Audi	●	●	●	●	●	●	●
BMW	●	●	●	●	●	●	●
Chrysler	●	●	●	●	●	●	●
Citroën	●	●	●	●	●	●	●
Dodge	●	●	●	●	●	●	●
Fiat	●	●	●	●	●	●	●
Ford	●	●	●	●	●	●	●
Honda	●	●	●	●	●	●	●
Isuzu	●	●	●	●	●	●	●
Jeep	●	●	●	●	●	●	●
Kia	●	●	●	●	●	●	●
Lancia	●	●	●	●	●	●	●
Lexus	●	●	●	●	●	●	●
Mazda	●	●	●	●	●	●	●
Mercedes	●	●	●	●	●	●	●
Mini	●	●	●	●	●	●	●
Mitsubishi	●	●	●	●	●	●	●
Nissan	●	●	●	●	●	●	●
OBD	●	●	●	●	●	●	●
Opel	●	●	●	●	●	●	●
Peugeot	●	●	●	●	●	●	●
Porsche	●	●	●	●	●	●	●
Saab	●	●	●	●	●	●	●



# HGS-PATCHNOTE EUR mega macs PC

Supplementations and new functions							
Manufactu- rer	Trouble codes	Parameters	Actuators	Basic settings	Codings	Service resets	Test function
Seat	●	●	●	●	●	●	●
Skoda	●	●	●	●	●	●	●
Smart	●	●	●	●	●	●	●
Subaru	●	●	●	●	●	●	●
Toyota	●	●	●	●	●	●	●
Volkswagen	●	●	●	●	●	●	●
Volvo	●	●	●	●	●	●	●

Symbols: ● New data/function    ● Complemented data/function    ● Existing data/function    ● Data/function not present