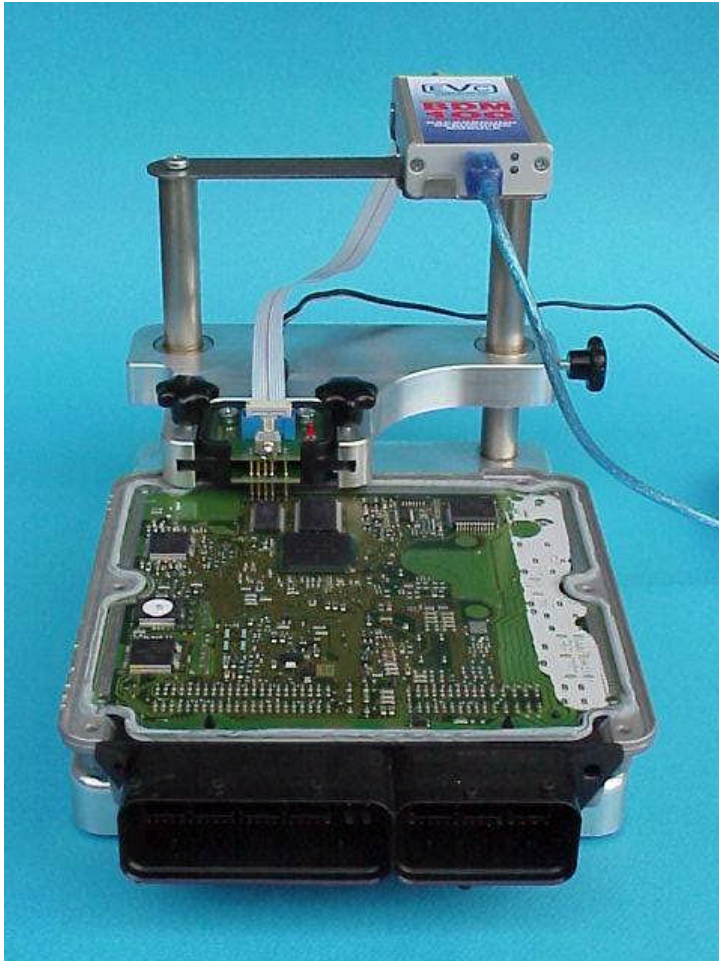


BDM 100 programming system



After the security entries for the OBD2 programming get more and more difficult, a new possibility has come up for chiptuning of ECUs with Motorola MPC555 - 565.

This generation of Motorola processors contain 448KB - 1MB Flash memory. That memory cannot be read and programmed with an eeprom programmer. Therefore it is possible over the so called BDM interface, which must be implemented on every ECU board. For that purpose there are mostly 10 solder pads on the PCB.

Alternative there are ECUs with 12 or 14 solder pads, which can be supplied with operating voltage over these pads.

The BDM100 connects these solder pads of the BDM port with the WinOLS PC over the USB bus. The BDM100 gets its operating voltage from the USB bus. The ECU needs its own supply voltage of +12 volts.

To connect the ECU the positioning frame BDM140.K with the corresponding probe BDM141 - BDM144 will be needed.













Currently these ECUs are successfully tested at the BDM100 (**new**):

Producer	Name	Example car	Processor	Eeprom	EEeprom	Probe
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Bosch	EDC16	VAG, BMW, MB, PSA	MPC556	AM29BL802	ST95320	BDM143
Bosch	EDC16+	PSA, BMW	MPC562	M58BW016	ST95160	BDM143
Bosch	EDC16+	VAG	MPC564	M58BW016	ST95320	BDM143
Bosch	ME9 Volvo	Volvo Benziner	MPC562	M58BW016	ST95080	BDM143
Bosch	ME9 BMW	BMW R4 + V8	MPC555	2 x 28F800F3	ST95160	BDM143
Bosch	ME9 BMW	BMW R4 + V8	MPC564	M58BW016	-	BDM143
Bosch	ME9 MB	MB SLK350	MPC564	M58BW016	ST95160	BDM143
Bosch	MED9 VAG	VAG 1.6/2.0L FSI	MPC562	M58BW016	ST95160	BDM143
Bosch	EDC7	MAN, Iveco	MPC556	-	ST95640	BDM143
Bosch	BMS-K	BMW K1200RS	MPC562	M58BW016	-	BDM143
Caterpillar	?	Massey Ferguson	MPC555	-	AT25640	BDM142*
Delphi		Ford Mondeo TDCI	MPC555	-	-	BDM142*
Marelli	MJD	Opel, Fiat	MPC555	-	ST95320	BDM144*
Siemens	SID201	Jaguar 2.7D	MPC563	M58BW016	ST95320	BDM141*
Siemens	SID803	Volvo Diesel	MPC555	AM29BL802	ST95320	BDM141*
Siemens	MS45	BMW 6- Zyl.	MPC555	AM29BL802	ST95320	BDM141*
Siemens	MSS65	BMW M5 V10	MPC563 x 2	AM29BDD160 x 2	-	BDM141* + BDM144*
Siemens	SIM266	MB A200	MPC561	AM29BDD160	-	BDM145*
Siemens	Simos 6.x	Audi A6 2.4L V6	MPC561	AM29BDD160	-	BDM146*
Siemens	PPD1.1	VAG 2.0 TDI	MPC561	AM29BDD160	-	BDM144*
Siemens	MSV70	BMW 3.0i	MPC563	AM29BDD160	ST95320	BDM141*

* external power supply necessary.

To modify Bosch EDC16 you need [BDM100.K](#), [BDM140.K](#) and [BDM143](#).

Article-No.	Description	
BDM100.K	USB BDM interface, incl. OLS313 and BDM110	
BDM112	Power supply adaptor for non-Bosch-ECUs	
BDM120	Adapter for Bosch ECUs, if no BDM140 / BDM143 is used	
BDM123	Adapter for Ford Visteon PCM-122 ECUs with 30 pin connector	
BDM140.K	Positioning frame with ball bearing slider	
BDM141	Probe for ECUs with original BDM pinout Pitch 1,27mm, pin1 in back position, without power supply for the ECU	
BDM142	Probe for ECUs with original BDM pinout Pitch 2,54mm (z.B. Delphi), without power supply for the ECU	
BDM143	Probe for all Bosch ECUs, with power supply for the ECU	
BDM144	Probe for ECUs with original BDM pinout Pitch 1,27mm, pin1 in front position, turned by 180° compared with BDM141, without power supply for the ECU	
BDM145	Special probe for Siemens SIM266 ECUs in Mercedes A200 / B200, without power supply for the ECU	
BDM146	Special probe for Siemens Simos 6.x ECUs in Audi A6 2.4L V6, without power supply for the ECU	
BDM110	Interface cable for ECUs with original BDM pinout, 10pin - 10pin	
OLS313	USB cable, blue, length 3 meter	

Actual prices on request!