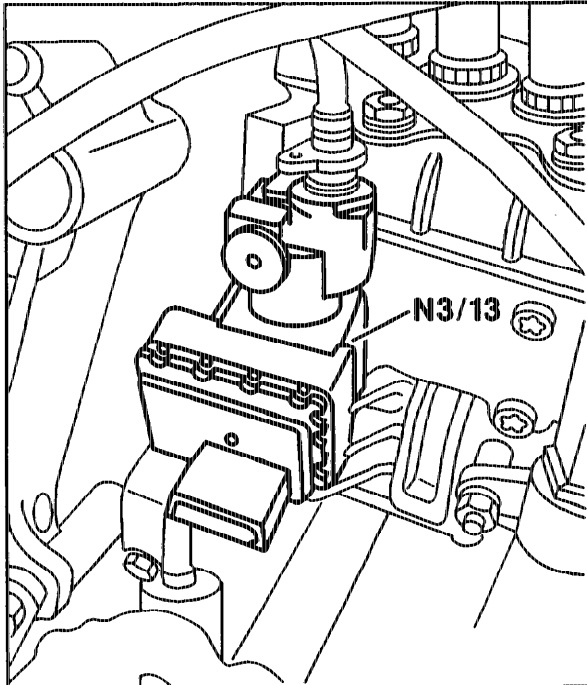


## 07.1-8823 Removing and Installing DSV Control Module, Engine 603.971

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Operation no. of operation texts and work units or standard texts  
and flat rates: ..... 07-8823



P07-6702-15

Vehicle identification number (VIN) ..... read with HHT from DSV control module (N3/13) (see menu prompting in HHT, section diesel engine, "DSV" system, version coding).

### Note

The DSV control module (N3/13) and the RCL control module are assigned by means of an identification. This identification cannot be erased (see HHT actual values "drive authorization system" menu point 3 identification). It is therefore **not** possible to replace the DSV control module (N3/13) or the RCL control module with parts from another car as a check.

DSV control module ..... remove, install; chisel securing bolt loose for this purpose (sheer bolt NP part no. 601 990 07 63).

**Note**

Before first starting, the identification of the DSV control module (N3/13) with the RCL module must be started with the HHT.

If it is necessary to perform adjustment work on the injection pump (pump removed), the DSV control module (N3/13) must be unbolted.

If a new DSV control module (N3/13) is installed for test purposes, it is **essential** to identify but not to interlock the control module. If the DSV control module (N3/13) does not remain in the car, the identification is retained until the data are overridden during the next identification process. This process can be repeated as often as desired until final interlocking is performed. If a control module is not interlocked, **not more than 40 starts or ignition ON/OFF may be performed otherwise the control modules will then be permanently Interlocked.**

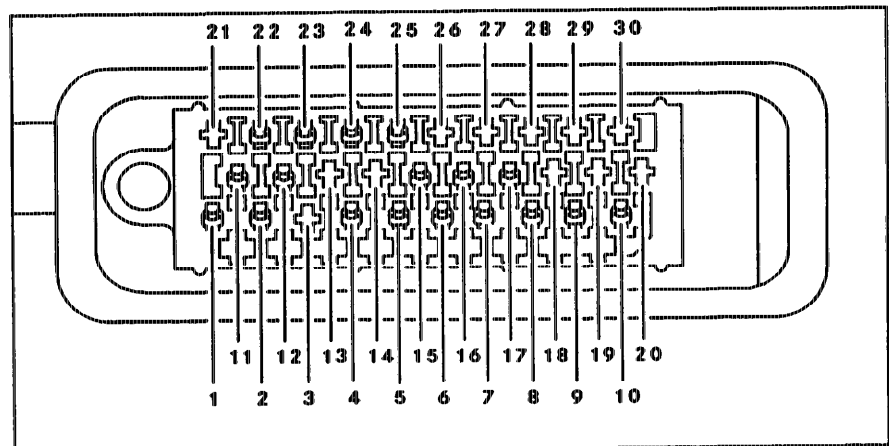
**False memory**

Pulse readout	Possible cause
P0600	CAN databus
P1611	Control unit or not coded
P1622	Injection pump shutoff valve
P1629	Starting without drive authorization signal
P1630	Drive authorization signal

Test

Pulse readout	Test step/ Test scope	Tester/ Test connection	Operation/ Requirement	Specifi- cation	Possible cause/ Remedy
P0600	CAN databus 1.0 Voltage supply	N3/13x1 1 —(←(V)→)— 4	Ignition: ON	11-14V	Fuse x26 x26/2 Wiring
	1.1 Resistance	N3/13x1 5 —(←(Ω)→)— 6	Ignition: OFF	$120 \pm 2 \Omega$	Control module N54 x26/2 Wiring
	1.2 Wiring	N3/13x1 1 —(←(Ω)→)— ⊥	Ignition: OFF	$< 1 \Omega$	Wiring W11
P0600	2 DSV control module Wiring	x26/2 24 —(←(Ω)→)— 25	Ignition: OFF	$120 \pm 2 \Omega$	DSV control module N3/13 Wiring
P1611	Control module or not coded	-	-	-	Replace DSV control module N3/13
P1622	Injection pump shutoff valve	-	-	-	Replace DSV control module N3/13
P1629	Starting without drive auth- orization signal	-	-	-	See actual value display on HHT
P1630	Drive authorization signal	-	-	-	See actual value display on HHT

Engine separation point  
connector X26/2



P07.10-0222-33

**Actual value readout on HHT**

**Meanings of actual value displays in HHT**

- 70** YES Identification has already taken place.  
NO Non-identified control module with first installation on new control module.
  
- 71** YES No more new identification possible.  
NO Identification can be re-started. The control module is automatically interlocked after 40 starts or ignition ON/OFF.
  
- 72** YES Fuel shutoff valve is switched to open. Engine can be started.  
NO Fuel shutoff valve (N3/13y1) has not switched. Engine starts but cannot be revved up.
  
- 73** YES RCL closed, car locked.  
No start enabled,  
Open car with RCL.  
NO RCL not closed, car opened with RCL.

WFS	Actual values	1/1
70	Identification programmed	YES/NO
71	Programming interlocked	YES/NO
72	Start enable	YES/NO
73	Car locked	YES/NO