

### Diagnosis - Diagnostic Trouble Code (DTC) Memory

#### CAUTION!

On vehicles with ME-SFI (for identification see: control module box), the base module (BM) (N16/1) is not equipped with DTC memory. DTC's can only be retrieved by performing the Electrical Test Program 23.

#### Test Preparation for DTC Readout

1. Connect impulse counter scan tool and adapter or HHT to data link connector (X11/4) as shown in section 0.

#### Note:

Connect yellow wire from impulse counter scan tool as follows:

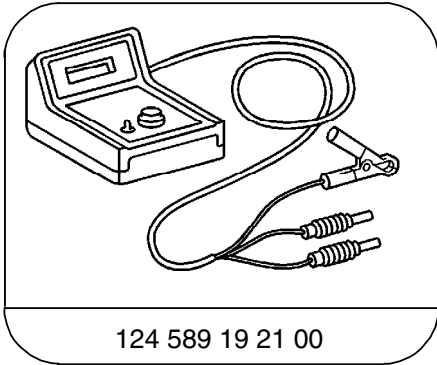
Base module (BM) (N16/1)	socket 8
ABS or ASR control module (N30 or N30/1) or ASR/SPS control module (N47-1) or ESP/SPS control module (N47-5)	socket 6
SPS control module (N49/1)	socket 12
ADS control module (N51)	socket 11
EDS control module (N39), LH-SFI or Right LH-SFI control module (N3/1 or N3/3), ME-SFI (Engine 119) or ME-SFI (Engine 120) right engine control module (N3/10, N3/12)	socket 4
Left LH-SFI control module (N3/2) or ME-SFI (Engine 120) left engine control module (N3/11)	socket 5

2. Ignition: **ON**
3. Read DTC memory (as applicable) for appropriately connected:  
BM, ABS or ASR, ASR/SPS, ESP/SPS, ME-SFI, ADS, LH-SFI control  
modules.

## 1.1 Base Module (BM)

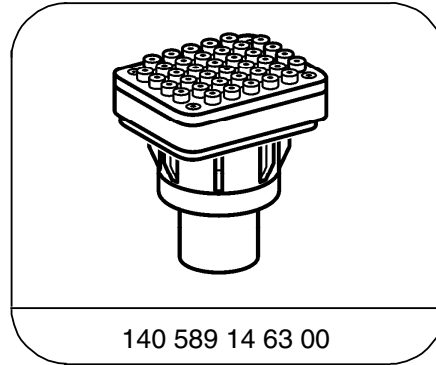
Models 124.034/036, 129.067/076, 140 (EDS, LH-SFI, ME-SFI)

### Special Tools



124 589 19 21 00

Pulse counter



140 589 14 63 00

Adapter

### Equipment



Description	
Hand-Held Tester (HHT) <sup>1)</sup>	see applicable Service Information in groups 58 and 99

<sup>1)</sup> Available through the MBUSA Standard Equipment Program.

## 1.1 Base Module (BM)

## Models 124.034/036, 129.067/076, 140 (EDS, LH-SFI, ME-SFI)

### Diagnosis – Diagnostic Trouble Code (DTC) Memory

DTC 		Possible cause	Test step/Remedy <sup>1)</sup>
001	01	No fault in system.	In case of complaint: 23 (entire test)
005	05	Maximum allowable temperature in module box (F23) exceeded <sup>2)</sup> .	23⇒ 19.0
006	06	A/C electromagnetic clutch (A9k1) jammed or poly-V-belt broken.	23⇒ 15.0, visually inspect compressor and poly-V-belt
007	07	Poly-V-belt slips.	23⇒ 15.0, check poly-V-belt tension
008	08	<b>Engine 120:</b> Left LH-SFI control module (N3/2) voltage supply, open circuit.	23⇒ 4.0
009	09	<b>Engine 104, 119:</b> LH-SFI control module (N3/1) voltage supply, open circuit. <b>Engine 120:</b> Right LH-SFI control module (N3/3) voltage supply, open circuit.	23⇒ 3.0
010	010	Base module (N16/1) voltage supply output fuse F2, open circuit.	23⇒ 6.0, 8.0
011	011	Base module (N16/1) voltage supply output fuse F3, open circuit.	23⇒ 11.0
012	012	Base module (N16/1) voltage supply output fuse F1, open circuit.	23⇒ 10.0
013	013	Base module (N16/1) voltage supply output fuse F4, open circuit.	23⇒ 5.0, 7.0
015	015	Kickdown switch (transmission mode) (S16/7), short circuit.	23⇒ 20.0
016	016	A/C electromagnetic clutch (A9k1), short circuit.	23⇒ 15.0
017	017	Module box blower motor (M2/2), short circuit <sup>2)</sup> .	23⇒ 19.0

<sup>1)</sup> Observe Preparation for Test, see 22.

<sup>2)</sup> Module box blower motor was phased out of production on model 140 starting M.Y. 1994.