

### Diagnosis – Function Test




#### General Note:

The trip computer control module (N41) has the following functions:

- Calculate and display momentary and average fuel consumption
- Calculate and display estimated range
- Display time
- Display date
- ATA monitoring with glass break sensor
- ATA monitoring with incline sensor

Trip computer control module (N41) receives all the information via CAN data bus (Figure 1 11)

### Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
<b>Trip computer control module (N41)</b> Display, Voltage supply	Ignition: <b>On</b> switch (S2) in position 1 circuit 15R	All functions of trip computer will be activated in display for about 1 sec. (Figure 1 21)	If no function is activated: Voltage supply 23 ⇒ 1 If only some functions are not activated: Trip computer control module (N41)
<b>Trip computer control module (N41)</b> Fuel consumption signal	Engine: <b>On at idle</b> Momentary fuel consumption mode on the trip computer display. Speedometer display in the instrument cluster (A1) operational  Engine: <b>On</b> Momentary fuel consumption mode. Speedometer operational. Vehicle coasting with engine speed of approx. 2000 rpm	Trip computer displays maximum fuel consumption value (0.0 mil/gal; 99l/km)  Trip computer displays minimum fuel consumption value (70 mil/gal; 0.0 l/km)   The values correspond to the time of supplement edition (August 97) and they may change	Engine control module (N3/10) Trip computer control module (N41)

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

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#### Model 163

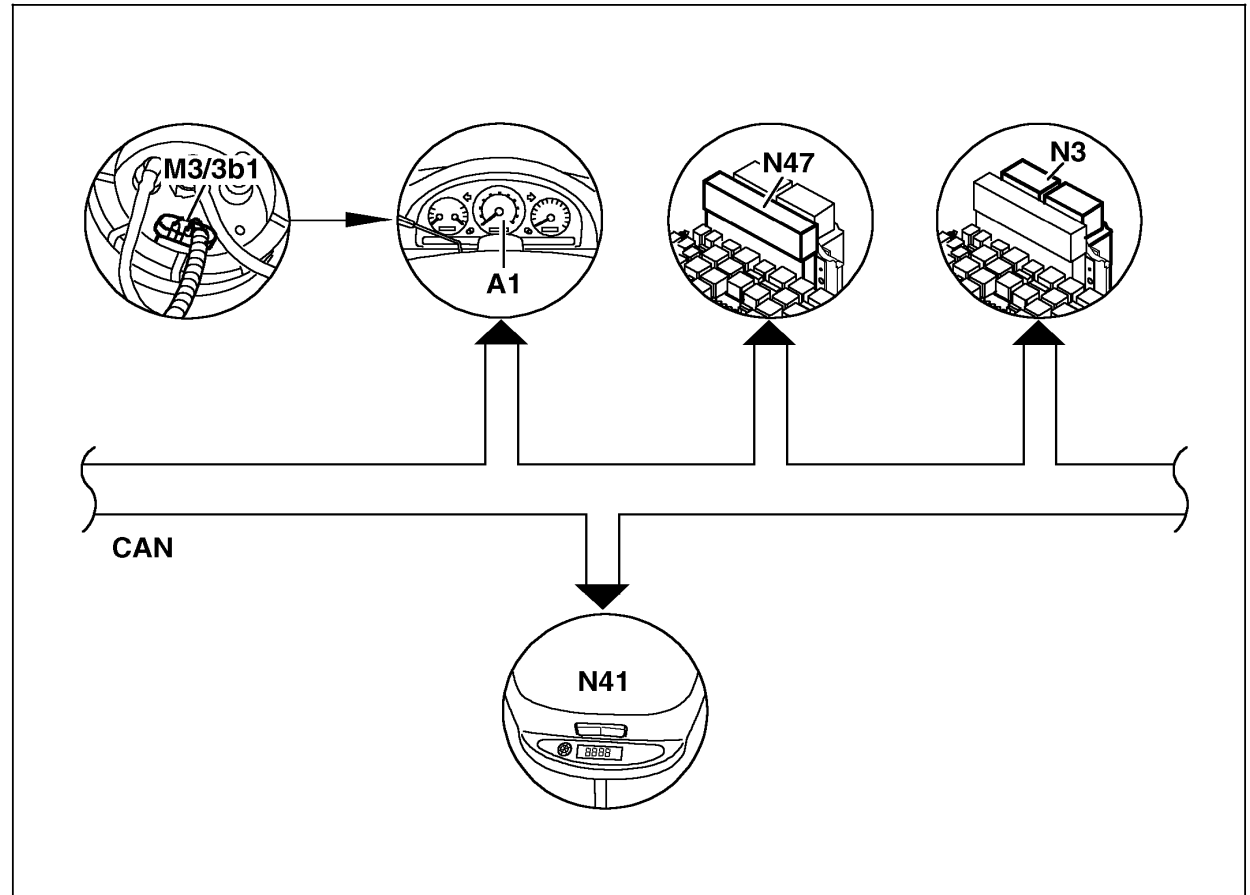


Figure 1

- A1 Instrument Cluster (IC)
- M3/3b1 Fuel level sensor
- N3/10 Engine control module (ME-SFI)
- N41 Trip computer control module
- N47 Traction systems control module

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