

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Notes	Test step/Remedy ¹⁾
Trip computer control module (N41) not functioning at all	Voltage supply, trip computer control module (N41)		23 ⇒ 1.0
Date in display does not function	If the clock in the instrument cluster (IC) does not function: Instrument cluster (IC) otherwise: N41	Synchronization signal for advancing the date comes from the instrument cluster (A1) via CAN data bus	Instrument cluster (IC) section 1.15 A1 N41
Trip time in display does not function	N41	This function is calculated entirely within the trip computer control module (N41)	N41
Following functions of trip computer not possible: <ul style="list-style-type: none"> • momentary fuel consumption • average fuel consumption • range function 	If the speed display in the instrument cluster also does not function: Traction system control module (N47) otherwise: Engine control module (N3/10) CAN data bus	The required signals for these function of the trip computer come from the traction systems control module (N47) and from the engine control module (N3/10) via CAN data bus	DM AD42.35-P-1001BZ Read out VSS actual value signal using HHT from instrument cluster (A1) or traction systems control module (N47) Read out fuel consumption actual value signal using HHT from engine control module (N47) 23 ⇒ 2.0
Following functions of trip computer not possible: <ul style="list-style-type: none"> • momentary fuel consumption • average fuel consumption or <ul style="list-style-type: none"> • both functions 	N41		N41

¹⁾ Observe Preparation for Test, see 22.

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Complaint/Problem	Possible cause	Notes	Test step/Remedy ¹⁾
Only range functions of trip computer not possible	If the fuel gauge in the instrument cluster also does not function: Fuel level sensor (M3/3b1) A1 otherwise: N41	The required signals come from the instrument cluster (A1), traction systems control module (N47) and from the engine control module (N3/10) via CAN data bus	Instrument cluster (IC) section 1.15 Read out fuel level sensor actual value signal using HHT from instrument cluster (A1) option N41
"FUEL" flashes in display with trip computer in the range function although, fuel level is above the reserve due to refueling	If the fuel gauge in the instrument cluster also does not function: Fuel level sensor (M3/3b1) A1 otherwise: N41		Instrument cluster (IC) section 1.15 Read out fuel level sensor actual value signal using HHT from instrument cluster (A1) option N41
"FUEL" does not flashes in display with trip computer in the range function although, fuel level is clearly in the reserve range	If the fuel gauge in the instrument cluster also does not function: Fuel level sensor (M3/3b1) A1 otherwise: N41		Instrument cluster (IC) section 1.15 Read out fuel level sensor actual value signal using HHT from instrument cluster (A1) option N41

¹⁾ Observe Preparation for Test, see 22.