

































All values measured to ground unl

Conn./Plug/Pin	Pin Information	Test Equipment/Pins	Conditions	Test
<u>N10/2</u>				
1.1	Circuit 15 power input	1.2  1.1	Ignition: On	12 V
1.2	Main ground to W6	 1.2		0 Ohm
1.3	Fuel pump voltage supply	1.2  1.3	Engine running	12 V
1.4	Circuit 87 power input	1.2  1.4	Ignition: On	12 V
1.5	Circuit 15R power output	1.2  1.5	Key in position "1"	12 V
1.6	Circuit 15R power output	1.2  1.6	Key in position "1"	12 V
1.7	Fuel pump activation signal input	1.2  1.7	Key in position "1"	12 V
2.1	CAN Class B bus (low side)			Note
2.2	CAN Class B bus (high side)			See
2.4	Fuel gauge level sensor 1 signal input	2.4  2.5	B4/1 disconnected Fuel level at max. Fuel level at min.	10 C > 21
2.5	Fuel gauge level sensor supply output		see Pin 2.4	
2.6	Fuel gauge level sensor 2 signal input	2.6  2.5	see Pin 2.4	
2.7	Stop lamp signal input	1.2  2.7	Ignition: On brakes applied	12 V
2.3, 2.8-12				Note
3.1	Pin not used			
3.2	Circuit 30 main power input	1.2  3.2		12 V
3.3	Pin not used			
10.1	CAN Class B bus (high side)			Note
10.2	CAN Class B bus (low side)			See
14.1	Right brake lamp voltage supply	1.2  14.1	Brake pedal depressed	12 V E4e:
14.2	Right rear turn signal lamp 1 voltage supply	1.2  14.2	Hazard flasher on: or Ignition on: Right turn signal on	12 V E4e: Note
14.3	Right rear turn signal lamp 2 voltage supply	1.2  14.3	see pin 14.2	
14.4	Left tail/parking lamp voltage supply	1.2  14.4	Parking lights on	12 V E3e:
14.5	Pin not used			
14.6	Left rear turn signal lamp 2 voltage supply	1.2  14.6	Hazard flasher on: or Ignition on Left turn signal on	12 V E3e: Note
14.7	Pin not used			
14.8	Right backup lamp voltage supply	1.2  14.8	Ignition on: Gear shift lever in position "R"	12 V E4e:

14.9	Left rear fog lamp voltage supply	1.2  14.9	Ignition on Rear fog lamp on	12 V E3e†
14.10	Right tail/parking lamp voltage supply	1.2  14.10	Parking lights on	12 V E4e‡
14.11	Left rear turn signal lamp 1 voltage supply	1.2  14.11	Hazard flasher on: or Ignition on Left turn signal on	12 V E3e† Note
14.12	Right rear fog lamp voltage supply	1.2  14.12	Ignition on: Rear fog lamp on	12 V E4e‡
14.13	Left backup lamp voltage supply	1.2  14.13	Ignition on: Gear shift lever in position "R"	12 V E3e†
14.14	Left brake lamp voltage supply	1.2  14.14	Brake pedal depressed	12 V E3e†
20.1-2, 5				Note
20.3	Circuit 30 main power output	1.2  20.3		12 V
20.4	Pin not used			
21.1-3				Note
21.4	Trunk lid contact switch ground signal input	 21.4	Switch depressed	0 Oh
21.5	Trunk lid outer operation switch ground signal input	 21.5	Switch depressed	0 Oh
21.7,11	Pawl rotary tumber switch	No reliable test		
21.12-13	Pins not used			
21.14	Left license plate lamp voltage supply output	1.2  21.14	Right standing/ parking lights on	12 V E19/
21.15-19	Pins not used			
21.20	Right license plate lamp voltage supply output	1.2  21.20	Right standing/ parking lights on	12 V E19/
21.21	Trunk lid ambient light voltage supply output	1.2  21.21	Right standing/ parking lights on	12 V E40
21.22	Center high mounted stop lamp voltage supply output	1.2  21.22	Brake pedal depressed	12 V
21.23-28	Pins not used			
24.1	Pin not used			
24.2	Trunk lamp voltage supply output	1.2  24.2	Depending on setting of dimming value and ambient brightness	Vari
24.3	Trunk lamp voltage supply output		Depending on setting of dimming value and ambient brightness	Vari
24.4-5	Pins not used			
26.1	Circuit 15R power output	1.2  26.1	Key in position "1"	12 V
26.2-3	Pins not used			
Note 1	For pins of the other connectors see diagrams PE54.21-U-2108DB and DC			
Note 2	Turn signal/hazard warning			

flasher frequencies:
1.5 Hz (90/min) with all turn lights
ok.
3.0 Hz (180/min) one or more
turn lights defective.

Note 3

Mid speed data transfer bus input
and output, shares data with
other ECMs
See PE00.19-U-2300DA - DC

No reliable test. Also check continuity to
other ECMs.

5 VA
bus.