
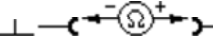










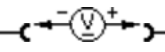
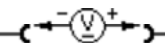
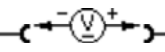
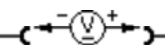
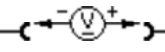
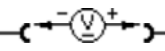
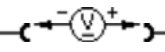
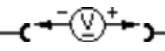
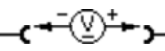
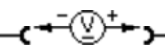
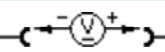
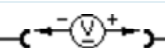
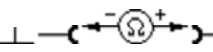
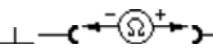
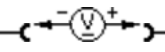



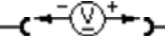



All values measured to ground unless otherwise noted				
Conn./Plug/Pin	Pin Information	Test Equipment/Pins	Conditions	Test values/Comments
N10/2				
1.1	Circuit 15 power input	1.2  1.1	Ignition: On	12 VDC
1.2	Main ground to W6	 1.2		0 Ohm
1.3	Fuel pump voltage supply	1.2  1.3	Engine running	12 VDC
1.4	Circuit 87 power input	1.2  1.4	Ignition: On	12 VDC
1.5	Circuit 15R power output	1.2  1.5	Key in position "1"	12 VDC
1.6	Circuit 15R power output	1.2  1.6	Key in position "1"	12 VDC
1.7	Fuel pump activation signal input	1.2  1.7	Key in position "1"	12 VDC
2.1	CAN Class B bus (low side)			Note 3
2.2	CAN Class B bus (high side)			See pin 2.1
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 Ohm > 210 Ohm
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 VDC
2.3, 2.8-12				Note 1
3.1	Pin not used			
3.2	Circuit 30 main power input	1.2  3.2		12 VDC at all times
3.3	Pin not used			
10.1	CAN Class B bus (high side)			Note 3
10.2	CAN Class B bus (low side)			See pin 10.1
14.1	Right brake lamp voltage supply	1.2  14.1	Brake pedal depressed	12 VDC E4e4 illuminated

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 VDC intermittent E4e1 flashes Note 2
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 VDC E3e2 illuminated
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 VDC intermittent E3e1 flashes Note 2
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 VDC E4e3 illuminated
14.9	Left rear fog lamp voltage supply	1.2  14.9	Ignition on Rear fog lamp on	12 VDC E3e5 illuminated
14.10	Right tail/parking lamp voltage supply	1.2  14.10	Parking lights on	12 VDC E4e2 illuminated
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 VDC intermittent E3e1 flashes Note 2
14.12	Right rear fog lamp voltage supply	1.2  14.12	Ignition on: Rear fog lamp on	12 VDC E4e5 illuminated
14.13	Left backup lamp voltage supply	1.2  14.13	Ignition on: Gear shift lever in position "R"	12 VDC E3e3 illuminated
14.14	Left brake lamp voltage supply	1.2  14.14	Brake pedal depressed	12 VDC E3e4 illuminated
20.1-2, 5				Note 1
20.3	Circuit 30 main power output	1.2  20.3		12 VDC at all times
20.4	Pin not used			
21.1-3				Note 1
21.4	Trunk lid contact switch ground signal input	 21.4	Switch depressed	0 Ohm
21.5	Trunk lid outer operation switch ground signal input	 21.5	Switch depressed	0 Ohm
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 VDC E19/1 illuminated
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 VDC E19/2 illuminated
21.21	Trunk lid ambient light voltage supply output	1.2  21.21	Right standing/ parking lights on	12 VDC E40 illuminated
21.22	Center high mounted stop lamp voltage supply output	1.2  21.22	Brake pedal depressed	12 VDC
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	Varies from 0.5-12 VDC
24.3	Trunk lamp voltage supply output		Depending on setting of dimming value and ambient brightness	Varies from 0.5-12 VDC,
24.4-5	Pins not used			
26.1	Circuit 15R power output	1.2  26.1	Key in position "1"	12 VDC
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 VAC when data is on bus.