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Advanced Technology for the Marine and Automotive Industry

TDB014

The OBD Port Testerr

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The OBD Port Tester connects to a vehicle's OBDII / EOBD connector and lets you easily diagnose electrical faults.

- Instantly check power and ground circuits
- Identify communication link protocols
- Constantly monitors Battery Voltage via display

RED LED

- Automatically turn-ON as soon as you plugged into DLC- Turn DIM when low battery voltage. Alarm will beep (below 12V)
- Turn DIM when wiring to DLC pin 16 is faulty or grounds circuit has resistance issue

GREEN LED's

- Automatically turn-on as soon as you plugged into DLC.
- Ground LED's (Pin 4 and 5) are connected to battery voltage through pin 16. If a ground supply is on pin 4 this WILL NOT affect LED on pin 5.
- A DIM single green LED will indicate a circuit problem with the circuit.

BLUE LED's

- LED's should flash when serial data voltage pulses are present in the data line.
- LED's are assigned on pins 2, 6, 7 and 10 to indicate communication.
- They will TURN ON depending on your vehicle make, year and model.

NOTE : For some vehicle models, no LED's are displayed or multiple blue LEDs will turn-on as soon as the OBD Port Tester is connected and you switch on the ignition.

NOTE : The brightness of the LEDs depends on the nature of the signal it is displaying.

The OBD Port Tester can identify immediately the protocol used.

YELLOW LED's (Pins 1, 3, 8, 9, 11, 12, and 13)

- Some will flash when your vehicle manufacturer uses one of the pins.

Pin No.	SAE Designation	Pin No.	SAE Designation
1	Discretionary	10	Bus-Line of SAE J1850 (PWM)
2	Bus + Line of SAE J1850 (PWM/VPW)	11	Discretionary
3	Discretionary	12	Discretionary
4	Chassis Ground	13	Discretionary
5	Signal Ground	14	CAN Low of SAE J2284 (ISO 15765-4)
6	CAN High of SAE J2284 (ISO 15765-4)	15	L Line of ISO 9141-2 and ISO 14230-4
7	K Line of ISO 9141-2 and ISO 14230-4	16	Unswitched Vehicle Battery Positive
8	Discretionary		
9	Discretionary		

Pins listed as "Discretionary" indicate that the vehicle manufacturers may use them for specified purpose. Check with the manufacturer's specifications for these connections. For voltage and current limits, refer to SAE J1962 (ISO 15031-3.3). Test tool must not draw more than 1.5 amps through the pin number 5.