

BT529

USER MANUAL



Automotive Professional Diagnostic Tool

powerful function

- | | |
|---|---|
| 01 Precisely measure battery performance parameters (Voltage, Internal Resistance, Remaining CCA, SOC, and SOH) | 07 Enhanced OBD II mode 6 |
| 02 supports all 10 modes of OBD II functionality | 08 EVAP System leak test |
| 03 Diagnose and clear trouble codes | 09 Reads live PCM data stream |
| 04 views freeze frame data | 10 Retrieves vehicle information (VIN, CALID and CVN) |
| 05 Displays monitor and I/M readiness status (emissions) | 11 Testing of components |
| 06 Displays live O2 sensor test data | 12 F1 /F2 Custom shortcut keys |

protocol support

1. SAE J1850 PWM (41.6 kbaud)	6. ISO15765-4 CAN (11 bit ID, 500 kbaud)
2. SAE J1850 VPW (10.4 kbaud)	7. ISO15765-4 CAN (29 bit ID, 500 kbaud)
3. ISO9141-2 (5 baud init, 10.4 kbaud)	8. ISO15765-4 CAN (11 bit ID, 250 kbaud)
4. ISO14230-4 KWP (5 baud init, 10.4 kbaud)	9. ISO15765-4 CAN (29 bit ID, 250 kbaud)
5. ISO14230-4 KWP (fast init, 10.4 kbaud)	

product specification parameter

- ◆ Display: 2.8-inch, 320x240 pixel display
- ◆ Operating Temperature: 0°C to 60°C (32°F to 140°F)
- ◆ Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- ◆ Power: 5.0V to 30.0V provided via vehicle battery
- ◆ Dimensions (LxWxH): 146mm (5.7") x 86mm (3.3") x 27mm (1.06")
- ◆ Net Weight: 333g (0.7lb)

DIAGNOSTIC TOOL

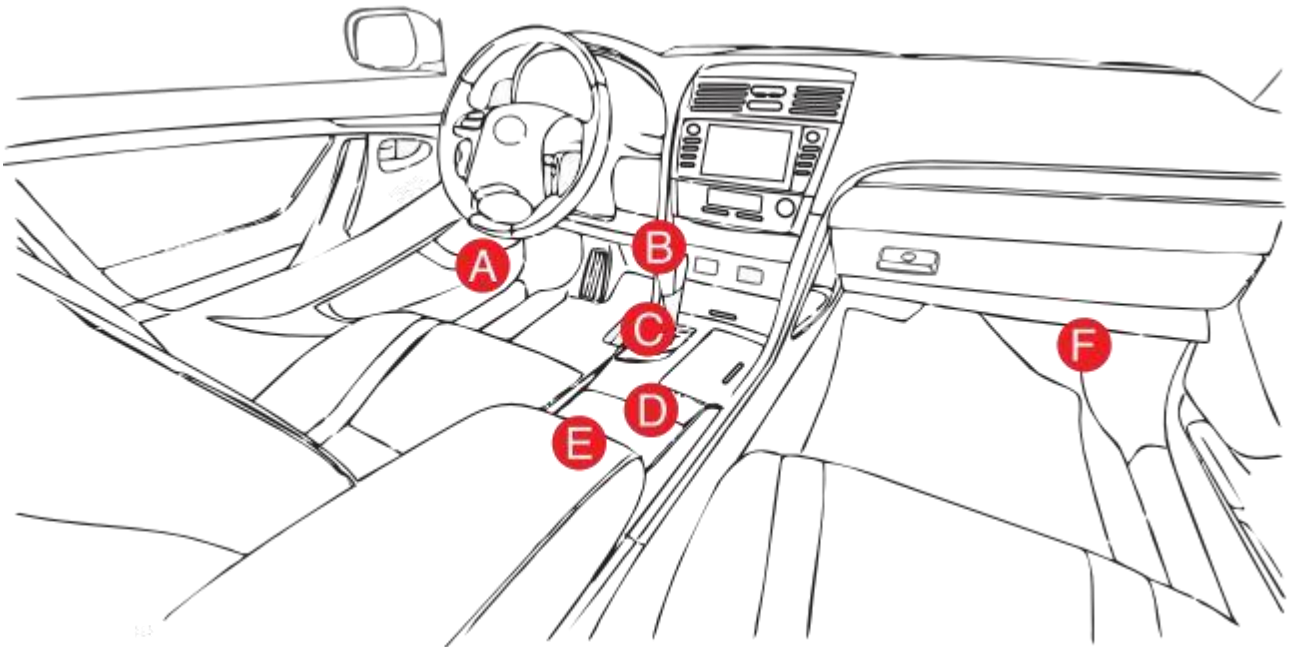
Easy to connect and use

1 . preparation

- 1 . 1 Turn the vehicle ignition on .
- 1 . 2 vehicle battery voltage range should be 5 - 30 volts o .
- 1 . 3 Throttle should be in a closed position .

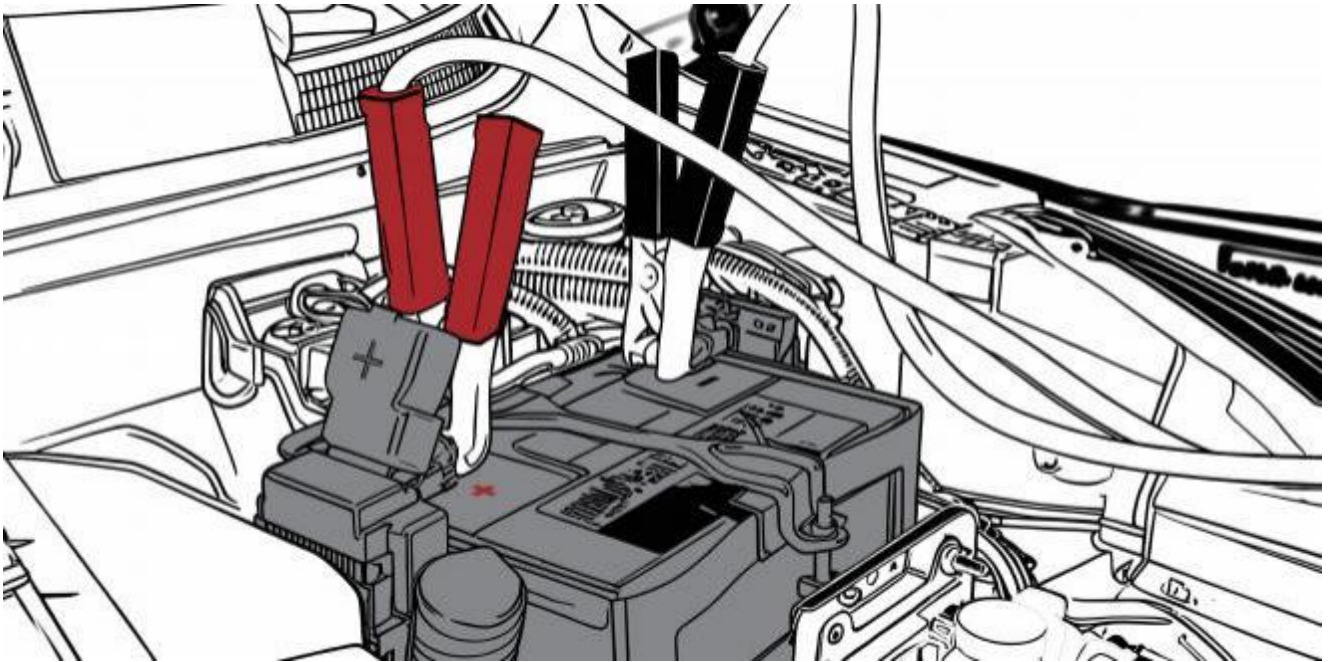
2 . vehicle connection

- 2 . 1 Locate vehicle ' s DLC Socket: The DLC (Diagnostic Link connector) is usually located 12 inches from the center of the steering wheel, under or around the driver ' s side for most vehicles . If the DLC Cannot be found , refer to the vehicle ' s service manual for the location .



- 2 . 2 connect the diagnostic cable to the vehicle ' s DLC , the tool will be automatically powered up.
- 2 . 3 The tool is now ready to work.

Battery Performance Test



I. Pre-Test Preparation:

1. Vehicle Status Confirmation:

Ensure the vehicle is turned off, with the ignition switch in the "OFF" position.

2. Equipment Check:

Connect the red battery clamp to the battery positive (+) terminal and the black battery clamp to the battery negative (-) terminal.

II. Test Procedure

1. From the main menu, select the "Battery Performance Test" function. Follow the on-screen prompts to select the corresponding battery type (e.g., Standard Lead-Acid/AGM/Gel) and its rated CCA (Cold Cranking Amps) value.

2. Keep the vehicle stationary and initiate the test. The device will automatically measure parameters such as voltage, internal resistance, and CCA, generating a diagnostic report that includes the State of Health (SOH) and State of Charge (SOC).

Warning:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.