

PC Series Diagnostic Tester

The **PC Series Diagnostic Tester**—a tester for passive safety system (SRS) components—is an advanced diagnostic device designed to operate in a low-voltage DC environment (below 15V). It is intended for diagnosing faults in SRS systems and is designed for use under controlled conditions by qualified personnel, such as in automotive repair shops. The device allows to confirm or rule out damage to a specific vehicle component - depending on the tester, this could be a seat belt buckle, airbag, seat belt pretensioner or battery safety terminal.

The PC Series Diagnostic Tester is not an OEM device, nor is it a replacement for any component of the SRS system. After completing the diagnostic process, the device must be disconnected, and the original SRS component should be reconnected.

When connected to a vehicle's SRS wiring, the device sends a signal to the airbag control unit identical to that of a functional component. If, after connecting the tester, the fault code for a given component can be cleared from the airbag control unit, this indicates that the original component is faulty. If the fault code cannot be cleared, the issue likely lies elsewhere—for example, in the vehicle's wiring or the airbag control unit itself.

The PC Series Diagnostic Tester is not intended for permanent installation in a vehicle.

The PC Series device can be used to test the following components:

- Seat belt buckle sensors
- Airbags
- Seat belt pretensioners
- Battery safety terminals



The device is equipped with two wires. Depending on the version, the wire colors may vary:

- red and black
- yellow and blue
- black and black

Depending on the tester variant, the wires may be terminated in the following way:

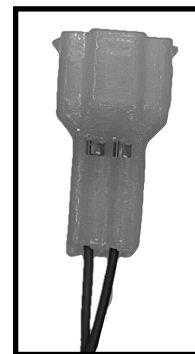
1. No termination - the wire ends are stripped
2. Metal pins - the same as those used in original vehicle components
3. Plug(s) - the same as those used in original vehicle components



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Safety

After unpacking, visually inspect the device. If the device appears damaged, do not use it.

1. Important note

Please read this manual carefully. This is a necessary condition for safe and proper use of the device. Keep the manual as a source of information. Please follow the safety rules and warnings.

2. Intended use

Compliance with the instructions for use in accordance with the intended purpose is a condition for proper and safe use of the device. The device must be installed and used as described in this manual.

3. User group restriction

This device may only be operated by adults who possess the necessary knowledge and qualifications for working with the SRS system in a vehicle. Children and minors must not play with the device.

Installation process

General Safety Guidelines

Installation must be performed by a person familiar with SRS systems and in possession of the correct wiring diagrams for the vehicle in which the tester is being connected.

Before starting work, perform the following steps:

- Turn off the ignition
- Properly disconnect the ground cable from the main battery
- Properly disconnect the ground cable from the additional battery (if present)
- Wait at least 5 seconds

After completing the work:

- Ensure that all SRS system components have been correctly reinstalled (if they were disconnected during tester connection)
- Reconnect all plugs that were disconnected during the tester installation

Operating rules and safety instructions:

Perform system testing only when all components and connectors are properly connected. Use only approved test equipment. Do not perform the test with passengers inside the vehicle. The use of unauthorized diagnostic tools may trigger airbag deployment or seat belt pretensioners. Warning! Risk of injury due to ejection of components with uncontrolled triggering of airbags and seat belt tensioners. Do not use the device if it or its wiring appears damaged. In case of damage, contact the seller or manufacturer.

Connecting the seat belt buckle sensor tester

Read the general safety guidelines, operating rules and safety instructions before beginning!!!

Locate the connection point for the seat belt buckle sensor under the seat.

Depending on the tester version (with pins or connector), proceed as follows:

Wires with pins:

1. Check if the wire colors in the original sensor match those of the tester and if they are positioned the same way in the connector. If they do not match, stop using the tester immediately and contact the seller or manufacturer. If the colors match, proceed with the instructions below.
2. Disconnect the seat belt buckle sensor connector from the vehicle wiring.
3. Note the position of each wire in the connector.
4. Remove the wires from the buckle sensor connector.
5. Insert the tester wires into the connector according to the previously noted order.
6. Connect the connector to the vehicle wiring.

Tester ended with connector:

1. Check if the wire colors in the original sensor match those of the tester and if they are positioned the same way in the connector. If they do not match, stop using the tester immediately and contact the seller or manufacturer. If the colors match, proceed with the instructions below.
2. Disconnect the seat belt buckle sensor connector from the vehicle's wiring.
3. Connect the tester's plug to the vehicle wiring.

Connecting the airbag / seat belt pretensioner / battery safety terminal BST Tester

Read the general safety guidelines, operating rules and safety instructions before beginning!!!

1. Locate the component in the vehicle that you wish to test.
2. Disconnect the component from the vehicle's electrical system.
3. Connect the tester in place of the tested component. Ensure the tester's wires are securely connected to the vehicle's wiring. Properly insulate the connections to prevent any short circuits.

WEEE Information and Environmental Protection

Damaged or used device should be handed over to a certified electronic waste collection point or taken to a local recycling facility, in accordance with the waste disposal regulations in your country. This procedure is required under the provisions of Directive 2012/19/EU (WEEE) of the European Parliament and of the Council on waste electrical and electronic equipment and its corresponding national regulations.



Manufacturer:

KDL Technologies Krystian Rzepka
Księcia Bolesława 7D/163
01-494 Warsaw
Poland

 biuro@kdl-tech.pl

 www.kdl-tech.pl

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