

**Fluke 83 multimeter**

- [general information](#)

**US 1115 LED tester**

- [general information](#)

**VAG 1551 Diagnostic tester**

- [general information](#)

**VAG 1598 Test box**

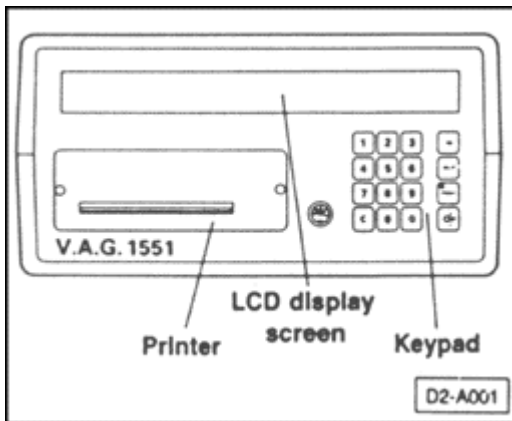
- [general information](#)

**VW 1594 Adapter kit**

- [general information](#)

**Volkswagen B3 Passat**  
**Diagnosis, Fault Memory - Passat**  
**VAG 1551 Diagnostic tester, general information (Page 00-1)**

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The **VAG 1551** tester is a diagnostic tool that reads system faults recorded by control units equipped with permanent fault memories.

**VAG 1551 tester, features and operation**



**Cancel (or Clear) key**

- push this key to cancel an input or to stop the program from running



**Q (or Enter) key**

- push this key after making inputs
- push this key anytime a **Q** is displayed in the upper right hand corner of the LCD display



**Arrow (or Run) key**

- push this key to advance to the next step in your sequence
- push this key anytime the **➡** is displayed in the upper right hand corner of the LCD displayed



**Help key**

- pushing this key also selects the printer function
- push this key to obtain additional operating instructions or explanations of tester functions
- push this key to obtain hints for possible problems when the **VAG 1551** does not respond the way you think it should.
- push this key to obtain a list of the Address Words and Function Words to supply the **VAG 1551** when it asks for them



**Print key**

- push this key whenever you want a printed copy of the information in the display window

**Note**

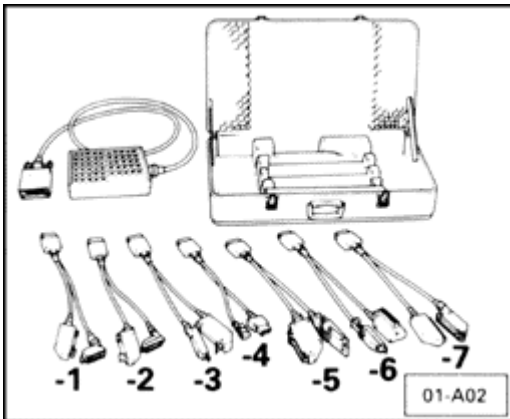
The printer is **ON** whenever the LED in the button is lit.

**Printer paper advance key**

- push this key to advance the paper **BEFORE** you tear it off of the tester

**Volkswagen B3 Passat**  
**Diagnosis, Fault Memory - Passat**  
**VAG 1598 Text box, general information (Page 00-2)**

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The **VAG 1598** test box and adaptor set was introduced in May of 1989. It consists of a main harness with test box (that universally connects to all of the adaptor harnesses) and a set of adaptor harnesses. A hardshell storage case is provided to protect the set when not in use.

The **VAG 1598** is used in conjunction with several other pieces of test equipment consisting of:

- **US 1119** multimeter
- **US 1115** LED tester
- **VW 1594** adaptor wire kit

**Note**

*New adaptor harnesses will be made available for the **VAG 1598** in the future as new applications require them.*

**VAG 1598 advantages:**

- the fragile terminals in the control unit connector no longer risk damage from test leads and probe connections. Connections formerly made on the control unit connector are now made on the **VAG 1598** test box which has large conveniently accessible terminals
- raised, highly visible numbers on the test box eliminate any uncertainty as to connector terminal numbering
- certain components (e.g. Hall sender) can now be checked dynamically (engine running)
- electrically checking miniature and unusual size terminals is now made possible regardless of terminal size
- standard size adaptors are used to make and test all connections resulting in dependable, accurate measurements

## Volkswagen B3 Passat

### Diagnosis, Fault Memory - Passat

#### Electrical test equipment, general information (Page 00-3)

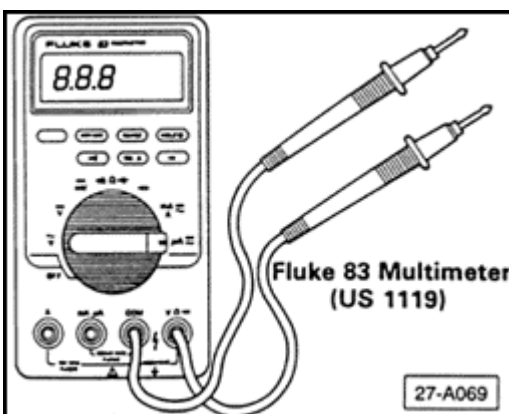
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- use the **US 1115 LED tester (VAG 1527B)** to indicate voltage presence as required by the troubleshooting procedures



- always use the **VW 1594** adaptor kit to make connections between the test instruments (**Fluke 83** multimeter and **US 1115 LED tester**) and the test point



- perform all measurements using the **Fluke 83** multimeter (**US 1119** or equivalent)
  - specified values are valid within an ambient temperature range of 0 to +40° C (32 to 104° F)
  - if a measured value deviates from a specified value, check the wiring to the component using the wiring diagram
  - if a measured value deviates only slightly from the specified value, clean the tester terminals, connectors and measuring leads and then repeat test. Before replacing the component, check wires and connections especially for values specified at less

than 10 Ohms

**CAUTION!**

***Switch the multimeter to the appropriate measuring range before connecting the test leads to avoid damaging the electronic components.***