

VOLKSWAGEN

AKTIENGESELLSCHAFT

Diagnostic system “professional” VAS 6150B with VAS-PC



Diagnostic system "professional" VAS 6150B with VAS-PC diagnosis software.

With diagnostic system VAS 6150B, you are equipped with the latest diagnosis generation.

More innovation for workshop operations

The launch of VAS 6150B assures further development in terms of the latest diagnosis competency. In addition to high efficiency, the start phase includes low cost and thereby value for money advantages.

Versatile use

Thanks to modular test instrument technology, VAS 6150B can be used alongside VAS 6160 or the trusted diagnostic unit VAS 5052A for all diagnosis and technical measuring tasks.

The best solution for your workshop – can be used with flexibility

Connection of hybrid testing module VAS 6558 or test instrument box VAS 6356 and also vehicle communication via remote diagnosis head VAS 5054A (wireless).

In addition to the diagnosis software, other systems used in the Volkswagen organisation, such as ELSA, can also be installed on VAS 6150B.

Due to the anti-glare feature, and the latest Intel® HS 3000 graphics, text on the 14" HD display screen is now easier to read in sunlight. Lighter and easier to handle than before, the VAS 6150B is also sturdy and suitable for workshop use at the same time.



Latest technology for your workshop

The unit can be used in a variety of ways, meaning that one laptop is required for all tasks.

VAS 6150B is "semi-rugged", which means that it is designed to be tougher than a standard laptop.

All of the main components are protected against vibration and even a drop from up to 2.5 feet (76 cm).

The display is mounted in a hard-wearing and impact-resistant magnesium housing.

The screen is much sharper thanks to the 14" HD display with anti-glare and the latest Intel® HD 3000 graphics.

Overall, the unit is even lighter and easier to handle, while remaining as sturdy and workshop-compatible as before.

The hard-drive is installed in vibration absorbent foam and is connected to the motherboard with flexible wiring. Shatter-proof rubber guards protect all interfaces and connections. The keyboard and touchpad are also protected against water splashes.



Diagnostic system "professional" (wireless) VAS 6150B

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VAS 6150B shown with available workshop equipment.

**VAS 6556
Equipment Trolley**



**VAS 6558
Hybrid test module**



**VAS 6356
Test instrument box**



**VAS 5903
Battery charger**





Perceptible weight reduction increases mobility in use. Simply lighter with perfect handling for daily work routines.

Diagnostic system "professional" VAS 6150B. Efficiency in workshop operations was the high demand during development.

HIGHLIGHTS

- 14.0" LCD display with HD resolution (1366 x 768)
- High-end dual core processor Intel® Core i5 2520M (2.5 GHz)
- 4 GB DDR3 SD-RAM
- 320 GB SATA vibration-protected hard-drive
- SD XC card reader (reverse compatible to SD and SDHC)
- Impact resistant up to 2.5 feet (76 cm)
- Rugged USB connector
- Splash-protected keyboard and touchpad
- Up to 7 hours battery time



Technical Specifications

CPU	Intel® Core™ i5-2520M (2.5 GHz)
CACHE	3MB Intel® Smart Cache
Core Logic	Intel® 6 Series Express-Chipset QM67
1st Memory	4GB(DDR3)
MAX. Memory	8GB(DDR3)
Video	Intel® HD Graphics 3000
VRAM	UMA
LCD	UMA
Resolution	Active matrix (TFT) LCD, 1366x768 Pixel
HDD	HDD: 320GB
ODD	Multi (PATA)
Antennas	3 (WLANx2, BT)
WLAN module	abgn
Bluetooth	V2.1+EDR (Class 1)
Dimensions	341 x 48-55 x 281 mm (incl. carrying handle)
Battery	Li/Io (10.8V, typical: 6.750mAh/min.6.300mAh)
Weight	5.84 lbs. / 2.65Kg (incl. carrying handle)
Card Slot	1x PC Card, 1 x SD/SDXC Card
WWAN (option)	None
GPS	None
USB	USB 2.0 x 3, USB 3.0 x 1, Rugged USB
FireWire IEEE 1394	None
LAN	RJ45 (IEEE 802.3 10base-T/IEEE 802.3u 100base-TX/IEEE 802.3ab 1000base-T)
Modem	None
DCIN , AC Adaptor	Type A (15.6V/7.05A), 110W
Serial	RS-232C x 2
Audio /MIC	Stereo x 1 / Stereo x 2
CRT	15 pin, VGA
Interface	USB x 5, Serial, RGB, Headphones, Mic, LAN, SD
Keyboard	88 keys
OS	XP Pro -SP3, Windows 7

Product data sheet

Design and features

- 14.0" LCD display in 16:9 format with HD resolution (1366 x 768)
- Latest generation high end dual core processor for notebooks Intel® Core i5 2520M (2.50 GHz)
- 4 GB DDR3 SD-RAM
- 320 GB SATA vibration-protected hard-drive
- SD XC card reader (reverse compatible to SD and SDHC)
- Impact resistant up to 2.5 feet (76 cm)
- Splash-protected keyboard and touchpad
- Up to 7 hours battery time



Items supplied

- Laptop, 3x USB 2.0, 1x USB 3.0, 1x rugged USB, 1x VGA, 1x serial port, 1x LAN RJ-45, 1x HDMI port, 1x DC-in
- Docking station, 3x USB 2.0, 1x USB 3.0, 1x VGA, 1x serial port, 1x LAN RJ-45, 1x HDMI port, 1x DC-in inc. update licence for Win 7, with downgrade to XP
- Multi-range mains unit
- Rechargeable lithium-ion cell with up to 7 hour battery life
- Remote diagnosis head VAS 5054A (wireless) inc. 9.8 feet (3 m) USB cable with rugged USB connector

Recommended accessories

- Equipment trolley VAS 6556, ASE 465 842 00 023

Warranty

- 24 months (unit)
- 12 months (rechargeable battery)



Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.
- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

Cautions & Warnings

- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.
- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

Cautions & Warnings

- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

I have read and I understand these Cautions and Warnings.

