

MTS 6531 VCI



en User Manual MTS 6531 VCI

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1. Symbols Used

1.1 Warning Notices - Structure and Meaning Warning notices warn of dangers to the user or people in the vicinity. Warning notices also indicate the consequences of the hazard as well as preventive action. Warning notices have the following structure:

Warning	ng KEY WORD – Nature and source of hazard!	
symbo l	Consequences of hazard in the event of failure to	
	observe action and information given.	
	Í Hazard prevention action and information.	

The key word indicates the likelihood of occurrence and the severity of the hazard in the event of non-observance:

Key word	Probability of occurrence	Severity of danger if instructions not observed
DANGER	Immediate impending danger	Death or severe injury
WARNING	Possible impending danger	Death or severe injury
CAUTION	Possible dangerous situation	Minor injury

1.2 Symbols in this Document

Symbol	Designation	Explanation
!	Attention	Warns about possible property damage.
i	Information	Practical hints and other useful information.

1.3 Symbols on the Product

Observe all warning notices on products and ensure they remain legible. Important Information

User Information 2.

To increase effectiveness with the VCI, users should familiarize themselves with the format and information contained in this guide. Every attempt has been made to provide complete and accurate technical information based on factory service information available at the time of publication. However, the right is reserved to make changes at any time without notice.

Before starting up, connecting and operating Bosch products it is absolutely essential that the operating instructions/owner's manual and, in particular, the safety instructions are studied carefully. By doing so you can eradicate any uncertainties in handling Bosch products and thus associated safety risks upfront; something which is in the interests of your own safety and will ultimately help avoid damage to the device. When a Bosch product is handed over to another person, not only the operating instructions but also the safety instructions and information on its designated use must be handed over to the person.

3. Safety Instructions

Please read and review all instructions, warnings and information included in this manual prior to start-up, connection and operation of the MTS 6531 Vehicle Communication Interface.

This user manual is written for safe convenient setup and use of the product. We recommend that you carefully read the manual prior to using the MTS 6531 and software.



DANGER - High Electrical Voltage Certain risk of personal injury or death

Always consult the vehicle's service manual for safety precautions and procedures when working with high voltage vehicle systems and/or passive restraint devices such as airbags, preten-



WARNING - Dangerous Exhaust Gas Possible risk of personal injury or death

sioners and other deployable devices.

When performing any checks with the engine running in an enclosed space such as a garage, be sure there is proper ventilation. Never inhale exhaust gases; they contain carbon monoxide - a colorless, odorless, extremely dangerous gas which can cause unconsciousness or death



WARNING - Parking Brake Possible risk of personal injury

> To help avoid personal injury, always set the parking brake securely and block the drive wheels before performing any checks or repairs on the vehicle.



CAUTION - Battery Clamps - Polarity Possible risk of personal injury

Do not clasp battery clamps together when connected simultaneously to the vehicle's 12 volt cigarette lighter or power supply. Reverse polarity in the vehicle's cigarette lighter may be present. Damage could occur to the VCI or to the vehicle. Make sure all cables and adapters are firmly connected before starting to use the VCI Always read the instructions completely before attempting a new procedure.

3.1 **Electromagnetic Compatibility**

The MTS 6531 satisfies the requirements of the EMC directive 2004/108/EG.

The MTS 6531 is a class/category A product as defined by EN 55 022. The MTS 6531 may cause high-frequency household interference (radio interference) so that interference suppression may be necessary. In such cases the user may be required to take the appropriate action.

3.2 **Electronic Waste Disposal**

This MTS 6531 is subject to European guidelines 2002/96/EG (WEEE). Old electrical and electronic devices, including cables and accessories or batteries must be disposed of separately from

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normal household waste. Please use the return and collection systems in place for disposal in your area.

Damage to the environment and hazards to personal health are prevented by properly disposing of the MTS 6531.

3.3 FCC Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his or her expense.

All work conducted on electrical devices may be performed by persons with sufficient knowledge and experience in the field of electronics.

3.3.1 WiFi Compliance

This equipment complies with the following worldwide wireless standards.





















3.3.2 Safety/Environmental Compliance
This equipment complies with the following worldwide safety and environmental standards.



4. Product Description

4.1 Overview

The MTS 6531 Vehicle Communication Interface (VCI) is used by professional technicians as an aid in diagnosing and repairing automotive electrical and electronic systems. The MTS 6531 is designed to connect the vehicle to a host PC computer application which then functions though the MTS 6531 for data transfer and Electronic Control Unit (ECU) reprogramming.

Using the VCI Manager PC application software, you configure the MTS 6531 to communicate with a host computer. The MTS 6531 is capable of communicating over a USB cable or wireless (WLAN).

4.2 User group

The product may be used by skilled and instructed personnel only. Personnel scheduled to be trained, familiarized, instructed or to take part in a general training course may only work with the product under the supervision of an experienced person.

4.3 PC System Requirements

The MTS 6531 VCI Software runs on a PC/Laptop. The user interacts with the MTS 6531 VCI software for device setup, and configuration for J2534 data transfer and ECU reprogramming.

The following table lists the minimum PC/laptop requirements for installing and running the MTS 6531 VCI Software:

Item	System requirements
Operating System	WIN 7, WIN 8, Or WIN 10 (32 bit and 64 bit PCs)
Available hard disk space	100 MB or greater
RAM	512 MB or greater
CPU	1 GHZ or higher
Communication Ports	2 USB
Video Resolution	1024 x 768 or higher

4.4 MTS 6531 Kit Contents

The MTS 6531 Base Kit includes cables and hardware needed to transfer data and reprogram ECUs on vehicles through the DLC cable.



The MTS 6531 kit is available in three different configurations:

Non-Wireless kit (Bosch p/n 1699200467) - which includes the MTS 6531 VCI assembly without USB Wireless adapters. The USB Wireless adapters are optional accessories. The Self Test Adapter is sold separately.

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