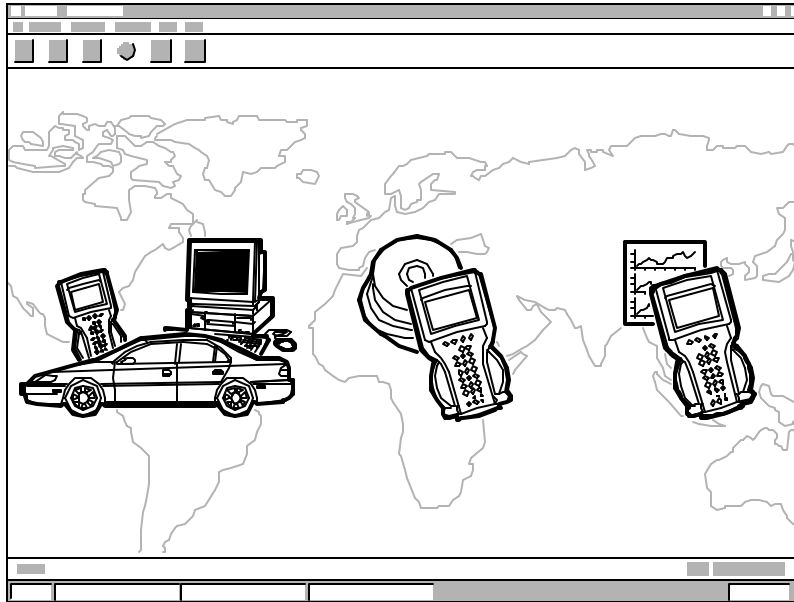**TECHNICAL NEWS**

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Market: all

TIS 2000 (Technical Information System)

E100D003

Cars affected

All Saab 9-3 and 9-5.

Background

TIS 2000 is a computer system that will be supplied together with the WIS CD. It is intended for reprogramming control modules, updating Tech 2 and to show/store snapshots. The applications included are based on Windows95/NT4 and are used with the Tech 2 diagnostic tool.

Note

After the introduction of TIS 2000, Tech 2 updates will be carried out with the "Software Download" tool found in TIS 2000.

A hardware key must be connected in order to transfer software to control modules. This hardware key, which is connected to the computer, must be registered before TIS 2000 will work.

There are three different functions in TIS 2000:

- **Service Programming (SPS)**

  Service Programming is a system for reprogramming various control modules in the car.

  Control modules that can be reprogrammed at present are Trionic T7, ACC and EDC15.

- **Updating Tech 2**

  Software Download is a programming system for Tech 2. It makes it possible to update Tech 2 with the latest software or to change language.

- **Load Snapshot/Replay**

  Load Snapshot/Replay is an application that improves the user's possibility of saving and analysing values recorded from Tech 2. More information on TIS 2000 can be found in the Service Manual.

Parts required

WIS-CD (March -99)

(16) 86 12 558 Hardware key, ordered as special tool from the spares store

Service Manual TIS 2000

The WIS-CD and Service Manual TIS 2000 are supplied in accordance with current subscriptions for workshop information.

System requirements (PC)

- Standard PC with TCP/IP protocol installed. Windows NT4 or Windows 95

- CD-ROM drive

- Processor .... i486dx2 66MHz (Pentium 90 MHz recommended)

- RAM memory .... 16 Mb

- Hard drive .... 200 Mb free storage space

- Graphics .... VGA (SVGA recommended)

• One free serial port (for hardware key and Tech 2)

Installation

Ensure that TCP/IP has been installed. Insert the CD into the drive. After updating WIS you will be asked to install TIS 2000. Follow the instruction on the screen. If installing on a computer with Windows NT4, the Service Pack 4 must not have been installed. We recommend installing Service Pack 3.

Note

Internet Explorer 3.02 will be installed automatically if it has not previously been installed. A minimum Internet Explorer installation must be present before TIS 2000 will work.

SPS

Brief Description

In this case, Tech 2 functions only as a data carrier. Data from the control module in question is read first and then TIS 2000 is started with Tech 2 and data will be input from which the correct application can be selected. A few simple questions must be answered in TIS 2000 before the correct application can be selected. The selected application is stored temporarily in Tech 2 before being downloaded to the relevant control module in the car.

When should a control module be reprogrammed?

A new version of a certain program always means that a number of errors and functions have been corrected. A major reason for reprogramming is after customer complaints concerning functional disorders that can not be traced to a particular fault. Before reprogramming, the system must have been checked carefully and any defective components rectified.