DiCE, new car communication tool, replaces VCT2000

Background:

VCT2000 was developed as a communication tool between VADIS and vehicles for the introduction of S80 in 1998. Electronics and functionality have developed since then and we need a more up-to-date product. The new product is called DiCE.

DiCE is a trademark and stands for Diagnostic Communication Equipment.

It is mandatory to have DICE to comply with Volvo standards. The mandatory DICE Basic Kit and a number of DICE products will be sent to you automatically. There is no need to place an order unless you want even more DiCE products for your workshop.

Once DiCE has been implemented in all workshops all over the world, we will stop supporting VCT2000. When you replace a VCT2000 with a DiCE, you will get a cut-in price equal to the residual value of your VCT2000 if you send it in to Volvo. This price reduction is already factored into the price of Basic Kit and Superseding DICE. The procedure to use is described under "36002170 Superseding DICE".

Note! Read through this Tool Bulletin thoroughly in order to fully understand what you need and what procedure to follow.

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Part number 9513000 is only used when there is no VCT2000 to trade in.

**Car communication**

DiCE, Diagnostic Communication Equipment, is an equipment that enables wireless, high-speed communication between VIDA and the vehicle. The DiCE is connected to the OBD connector in the vehicle and is suspended in the vehicle.

DiCE can also be used together with USB cable 9510002 in markets that do not allow wireless Bluetooth technology or if cable is preferred.

One VIDA station can serve a number of DiCEs, which makes it possible for a number of mechanics to use the same VIDA station simultaneously.

**Warranty timer**

DiCE has a built-in warranty timer which starts the first time you use the DiCE. This means that you can store DiCE prior to initial use as the warranty period does not start until it is used for the first time.

DiCE has a two year warranty.

DiCE is also prepared for future needs with flexible memory capacity and additional features.

One DiCE is included in the DiCE Basic Kit.

The size of the housing is 140 x 88 x 50 mm

The weight of the housing is 265 g

The weight of the entire unit, including cable, is 560g

The cable is 2 metres long.

DiCE is CE and FCC approved.

**9513001 DiCE Test Unit**

DiCE Test Unit is used for fault tracing all DiCE equipment, including cables.

The minimum requirement is one DiCE Test Unit per workshop.

One DiCE Test Unit is included in the basic kit.

The size of the housing is 75 x 85 x 35 mm
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9513002 USB Cable

This cable is used if you do not want to use wireless communication or if you are not allowed to use Bluetooth in your market.

Only a few markets do not allow wireless Bluetooth technology.

The cable is specially made for workshop use and is of a robust design that is not available on the market. It also has a strain relief in order to protect the computer's USB connector from being accidentally damaged.

The cable is 5 metres long.

One USB Cable is included in the DiCE Basic Kit.

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9513003 USB Cable

This cable is used for DiCE software updates, self-tests and fault tracing.

The cable is specially made for workshop use and is of a robust design that is not available on the market.

The cable is 1 metre long.

One USB Cable is included in the DiCE Basic Kit.
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**9513004 Power Supply Cable**

This cable is used for DiCE fault tracing and software updates, but not during normal DiCE usage. The cable is connected to the DiCE or DiCE Test Unit and to a 12-volt car battery. The cable is specially made for workshop use and is of a robust design that is not available on the market. Instead of this cable an AC/DC adapter, 9 -18 volts 12VA can be used. The cable is 3 metres long. One Power Supply Cable is included in the DiCE Basic Kit.

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**9513005 Bluetooth Unit**

The Bluetooth Unit is connected to the VIDA station to enable wireless communication with DiCE and the vehicle. It has a standard USB connector and is connected to the computer via an extension cable. Different cable length is used depending on whether a benchtop or a laptop computer is used. One Bluetooth Unit is included in the DiCE Basic Kit.
9513006 USB Cable

The USB Cable is used to connect the Bluetooth Unit to a VIDA benchtop computer.
The cable is a standard type that can be purchased in the market.
One USB Cable is included in the DiCE Basic Kit.

9513007 USB Cable, 0.7 metre

The USB Cable is used for connecting the Bluetooth Unit to a VIDA laptop computer.
The cable is a standard type that can be purchased in the market.

36002169 DiCE Basic Kit contents (one of each)

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<tr>
<th>Part number</th>
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<td>9513006</td>
<td><strong>USB Cable</strong>, for Bluetooth Unit, 2 metres</td>
</tr>
</tbody>
</table>

**Note!**

One VCT2000 shall be returned as core in exchange for the DiCE Basic Kit, with core number 36008169.

### 36002170 Superseding DiCE

This part number contains one DiCE 9513000. When this part number is ordered, a discounted price reflecting the refund value of an old VCT2000 is invoiced. This means that you have to send in an old VCT2000 as core following normal exchange routines. If you need more information, consult the Spare Parts Manager of your company as he/she uses this “exchange” routine for remanufactured spare parts.

If you do not send in a core, you will be surcharged the difference in price between a DiCE 9513000 and a 36002170.

### 36008170 VCT2000 Core

The VCT2000 must be returned through the Exchange return flow under part number 36008170.

### 8252233 Exchange DiCE

This Exchange DiCE is a remanufactured product with the same performance and quality as a new or better performance and quality if updates have been implemented.

Exchange is ordered if a DiCE fails and is found to be faulty during testing.

Core number is 825 8233.