

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 **D**iagnostic **C**ommunication **E**quipment.

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.

Content overview

Part number	Description
9513000	DiCE
9513001	DiCE Test Unit
9513002	USB Cable, 5 metres
9513003	USB Cable, 1 metre
9513004	Power Supply Cable
9513005	Bluetooth Unit
9513006	USB cable, 2 metres
9513007	USB cable, 0.7 metre
36002169	DiCE Basic Kit
36002170	Superseding DiCE
8252233	DiCE Exchange

Service personnel: Please circulate, read and initial

Service Manager	Parts Manager	Workshop Manager	Workshop Foreman	Service Technicians								

9513000 DiCE

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

Car communication

DiCE, **D**iagnostic **C**ommunication **E**quipment, 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 951 0002 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.

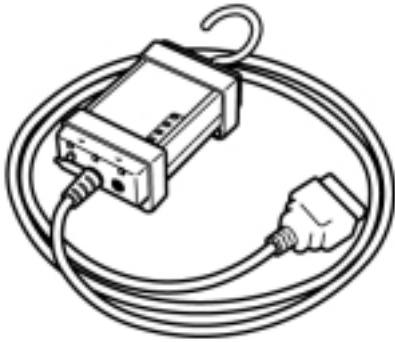
The size of the housing is 140 x 88 x 50 mm

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.



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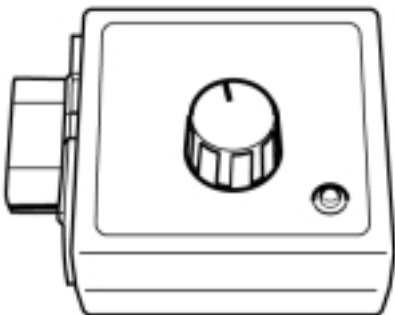
9513001 DiCE Test Unit

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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3**9513002 USB Cable**

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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.

4**9513003 USB Cable**

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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.

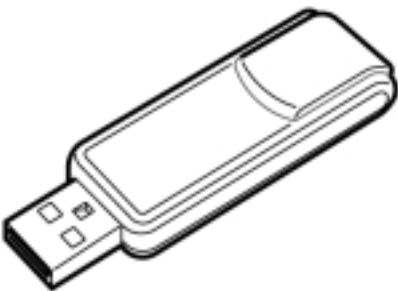
The cable is 3 metres long.

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.

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9513006 USB Cable

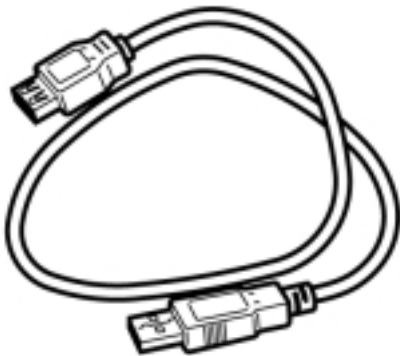
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The USB Cable is used to connect the Bluetooth Unit to a VIDA benchtop computer.

The cable is a standard type that can be purchased in the market.

One USB Cable is included in the DiCE Basic Kit.

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9513007 USB Cable, 0.7 metre

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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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Part number	Designation
9513000	DICE (DiCE, Diagnostic Communication Equipment)
9513001	DiCE Test Unit
9513002	USB Cable , for car communication, 5 metres
9513003	USB Cable , 1 metre
9513004	Power Supply Cable

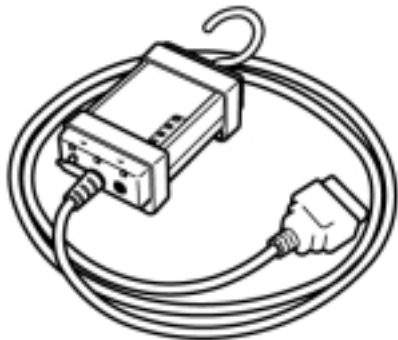
9513005	Bluetooth Unit
9513006	USB Cable , for Bluetooth Unit, 2 metres
Note!	One VCT2000 shall be returned as core in exchange for the DiCE Basic Kit, with core number 36008169.

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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.



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36008170 VCT2000 Core

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

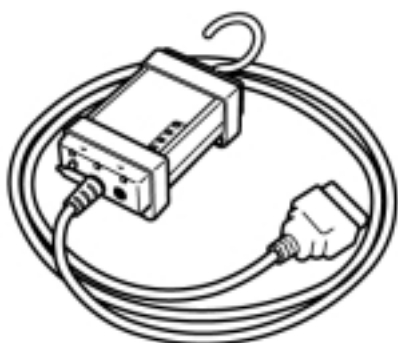
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8252233 Exchange DiCE

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.



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