

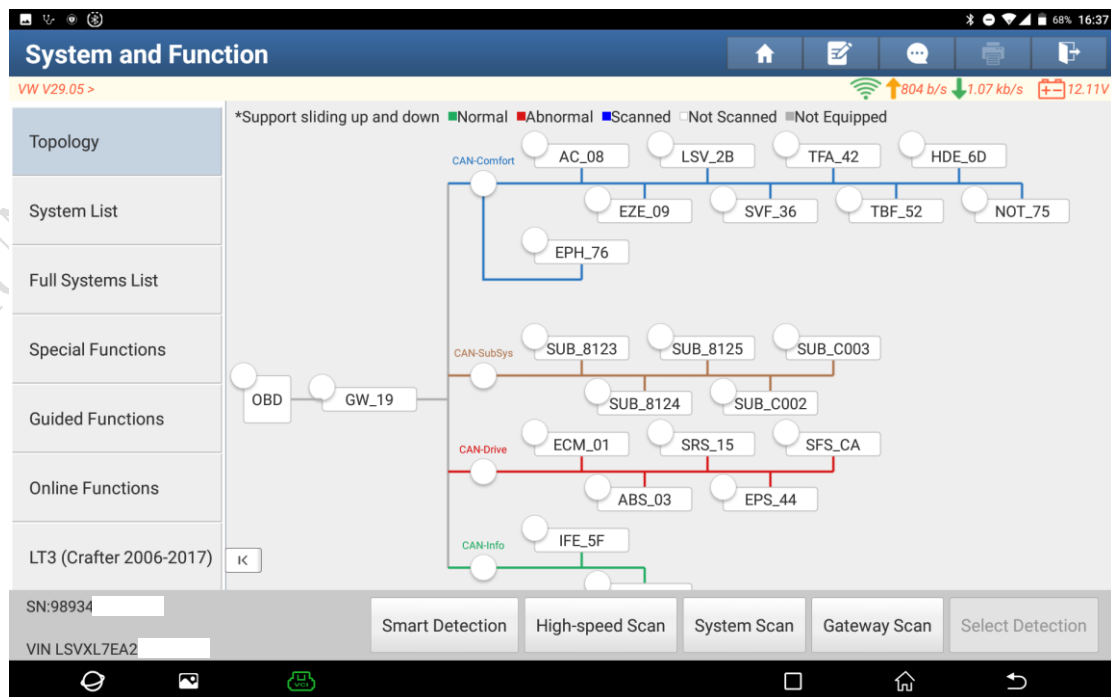
VW/Audi SFD (Vehicle Diagnostic Protection) Unlocking Operation Instructions

Function Execution Background

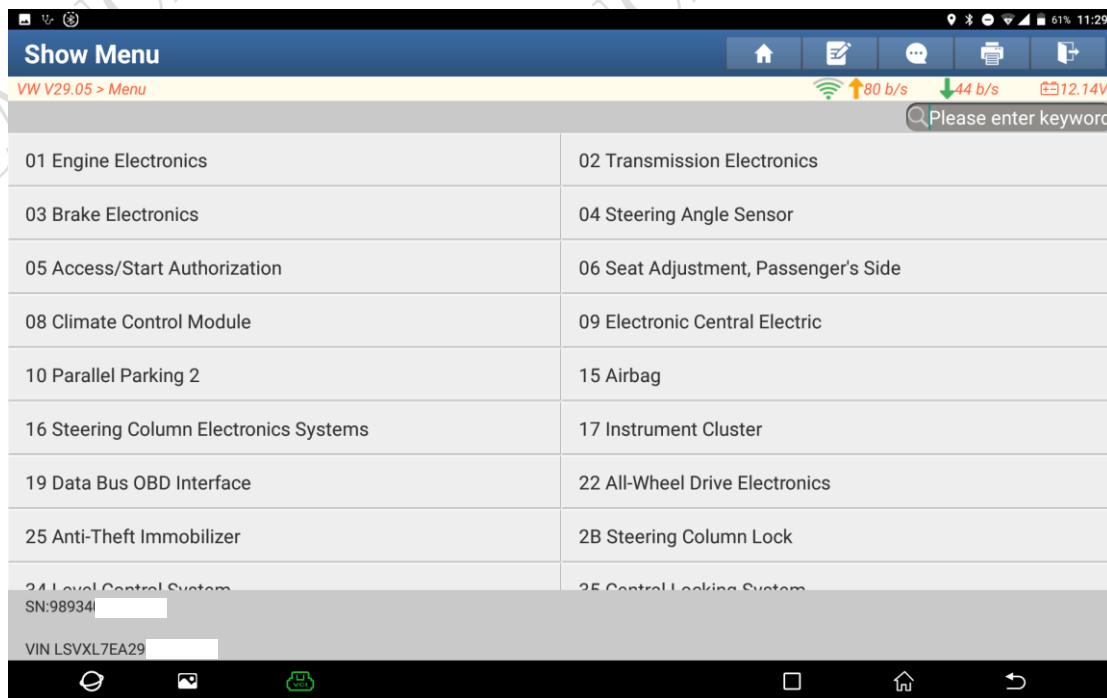
If the SFD (Vehicle Diagnostic Protection) needs to be unlocked in the current control unit but it is not unlocked, the matching, basic setting, coding, and other functions of this control unit may fail. This document takes “Manual SFD Unlocking” of “19 Data Bus OBD Interface” as an example.

Procedure

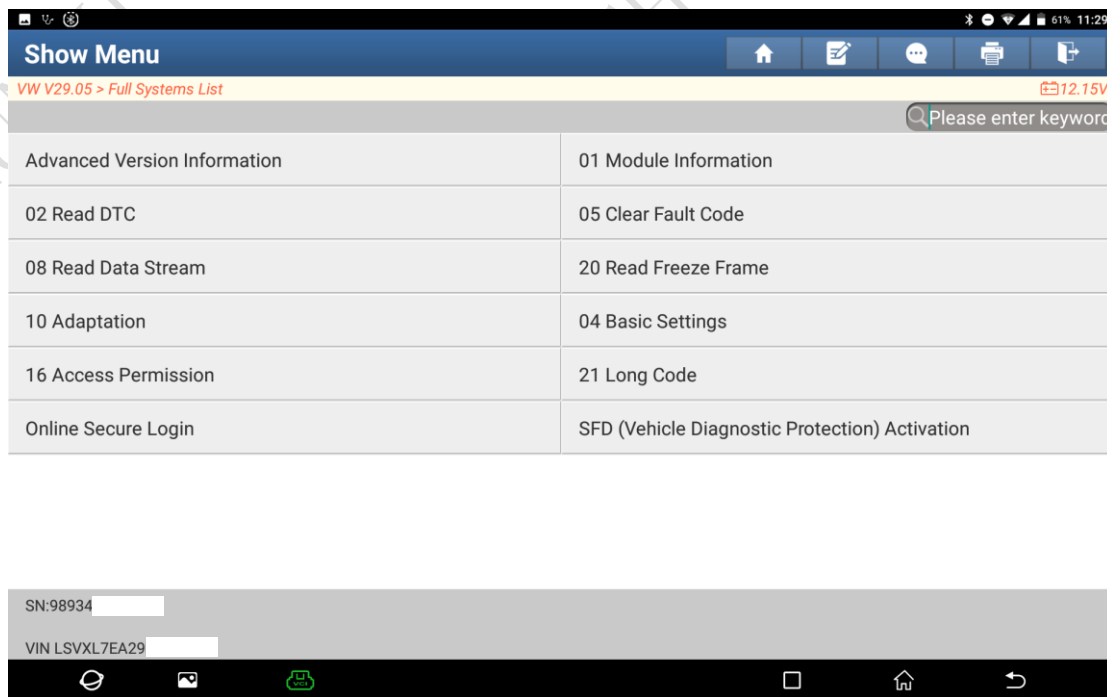
1. Turn on the ignition switch, connect to the diagnostic connector, and choose VW V29.05 or a later version.
2. Choose [Full Systems List].



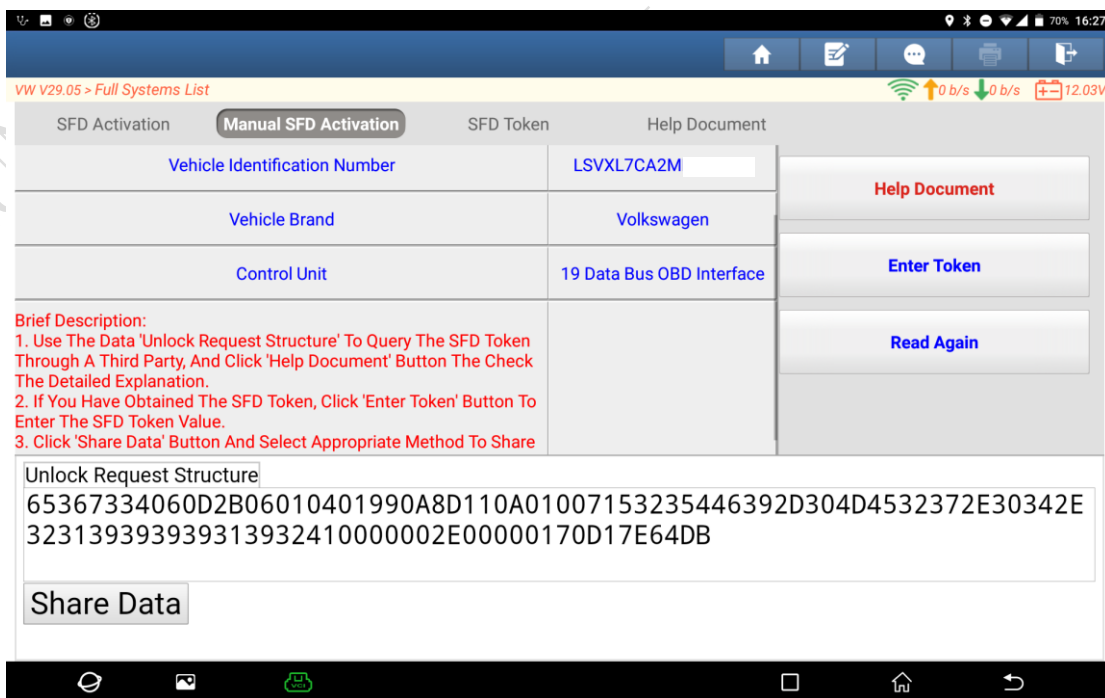
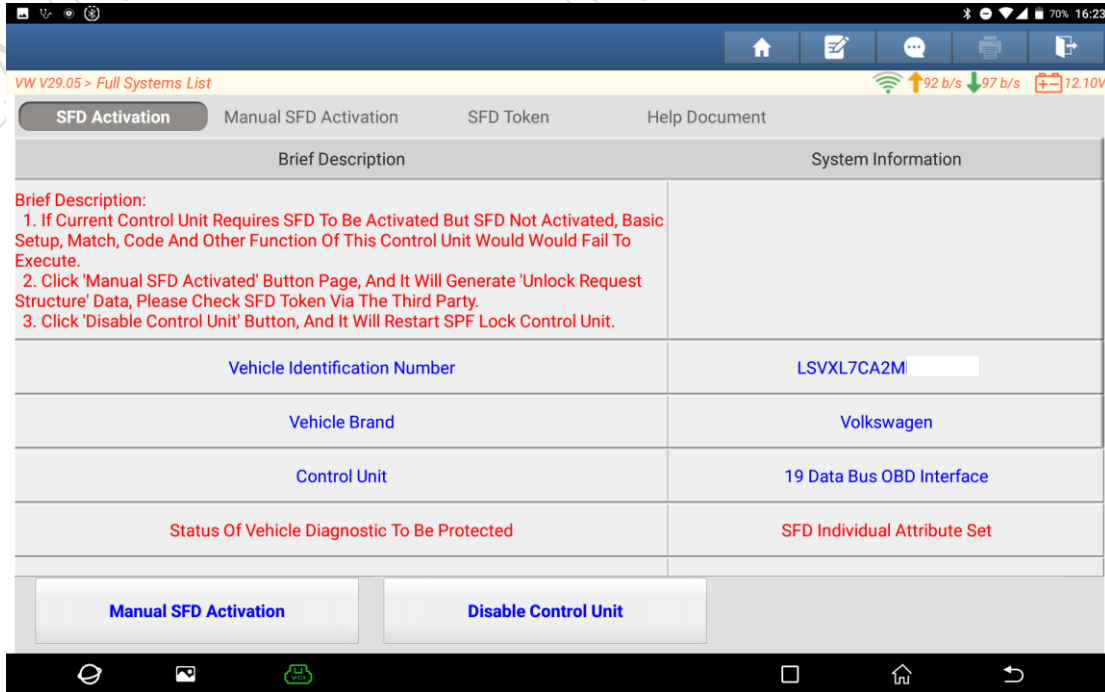
3. Choose [19 Data Bus OBD Interface].



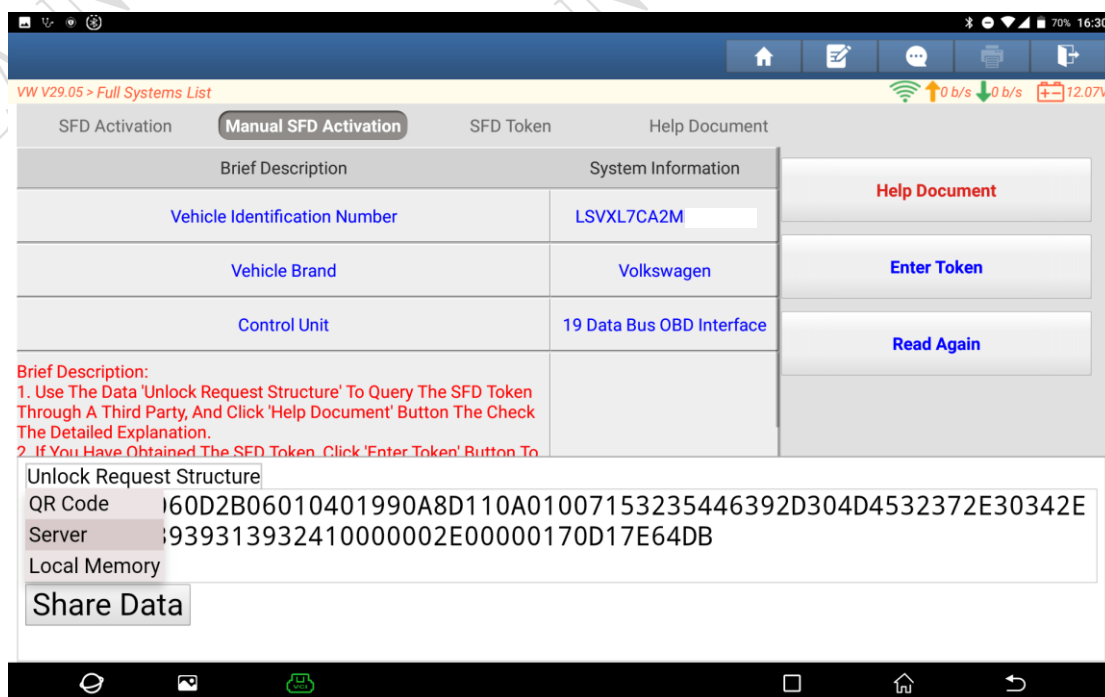
4. Then, choose "SFD (Vehicle Diagnostic Protection) Activation".



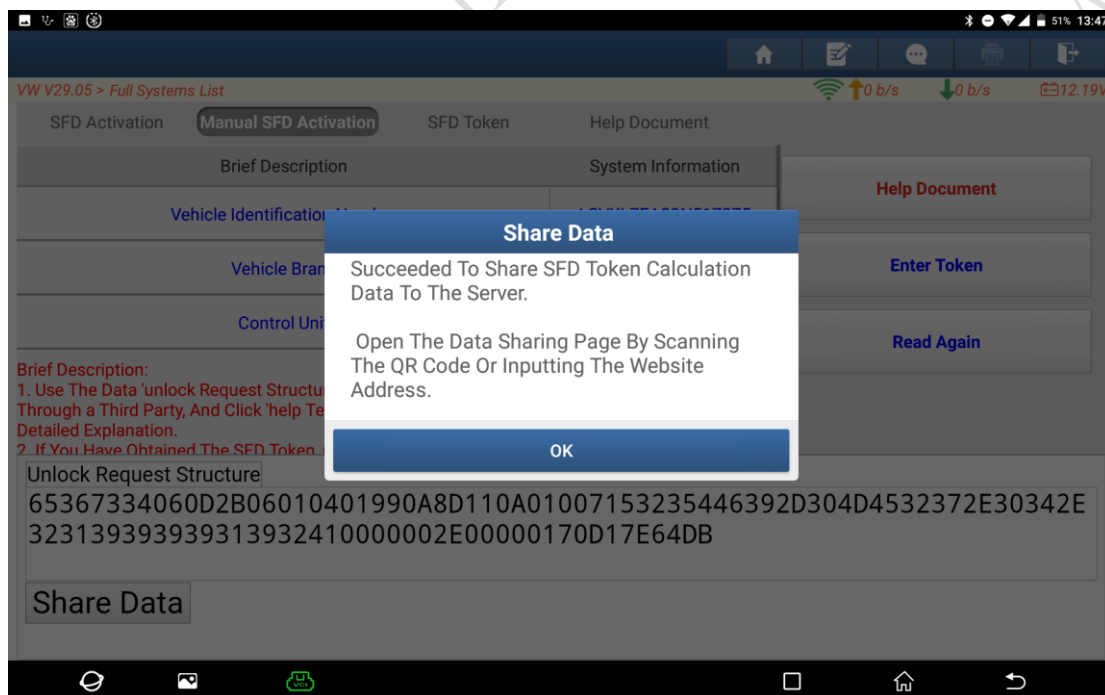
5. At this time, the SFD is in the locked status. Choose “Manual SFD Activation”.



6. Next, click “Share Data”. There are three share ways. Here we use the QR code and server modes to share and obtain data.



7. First introduce the “Server” share mode. Choose the “Server” option, share the data of “Unlock Request Structure” to the server, click OK, and then scan the QR code with WeChat/Alipay on your phone, or directly input the website address on the web browser of your phone or computer to access the data sharing page.





8. The data sharing page opened on the phone or computer is as follows.

SFD Data Share

ID LSVXL7EA2: 0x0019_D2957A6E337AF7657F5F315E56577301

SFD Request Data Type Text

SFD Request Data

Vehicle Identification Number : LSVXL7EA2
Vehicle Brand : Volkswagen
Control Unit : 19 Data Bus OBD Interface
Unlock Request Structure :
65367334060D2B06010401990A8D110A01007153235446392D304D4532372E30342E323139393939313932410000002E00000170D17E64DB

SFD Token Type

SFD Token

- Copy the data of “Unlock Request Structure”, send it to a third party (Taobao seller, etc.) for calculation, paste the calculated SFD token value in the “SFD Token” box, and then submit the token data until a success message is displayed, as shown in the figure below.

SFD Data Share

ID LSVXL7EA29 _ :0019_D2957A6E337AF7657F5F315E56577301

SFD Request Data Type Text

SFD Request Data

Vehicle Identification Number : LSVXL7EA29I
 Vehicle Brand : Volkswagen
 Control Unit : 19 Data Bus OBD Interface
 Unlock Request Structure :
 65367334060D2B06010401990A8D110A01007153235446392D304D4532372E30342E323139393939313932410000002E00000170D17E64DB

SFD Token Type

SFD Token

```
7F218201D17F4E495F290170420D44455556574750534600001227F4C33060D2B06010401990A8D110A02000153224258312D32343730342E
31312E323336373538303632340201010000018E4F925FCB5F37820180075B4FC3CD30BA8B201DC90C14575FBF300E1C01E565891614111E
945CF28FC509002B4E2892D3D0E795292E520DFE74E75910D436CCDC2BEF78D513B163B66E2B0C9A035604104271ACBD446208CF861
6B230011BB4A3754ECE3136D6335C723646D0A69948159EB68F8E70FFBA70079BB15986EF9A57738317B5E7713570224CF14AB762076FFE
7D0CD054415F868F600A4D85B92FE0759C1B79689C07795B49877254B80249609E0EAF1A82B1869BA0F5850BE33D6BF02285388412083
1E07ED65EB1688F80382F30E03C64CB291EF4708B66FB1F95580706784D038445C5C805641796C75BA80CF98CA6971E647A0AEF5A8BA38
D8DAF37038BEC9B050DA7CFA6B67A291E64F642C2D6359DDFECDBD7511C182FE038BC79FCF449DED4B7AFE444374C413BE887E
79D62261D5672E205FC9BFD349BAF911F956635A6C729A3A394655EBBD773DF0111016B2B3BBE70FBC0EB61CA80352CA96AE2DD60556
7F07B0BA3108602D8BFFA7CD6699DCC4D2F922AEE3BF1CAF9D5EBD32
```

SFD Data Share

ID LSVXL7EA29N! 119_D2957A6E337AF7657F5F315E56577301

SFD Request Data Type Text

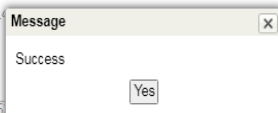
SFD Request Data

Vehicle Identification Number : LSVXL7EA29N517275
 Vehicle Brand : Volkswagen
 Control Unit : 19 Data Bus ' ace
 Unlock Request Structure :
 65367334060D2B06010401990A8D110A01007153235446392D304D4532372E30342E323139393939313932410000002E00000170D17E64DB

SFD Token Type

SFD Token

```
7F218201D17F4E495F290170420D44455556574750534600001227F4C33060D2B06010401990A8D110A02000153224258312D32343730342E
31312E323336373538303632340201010000018E4F925FCB5F37820180075B4FC3CD30BA8B201DC90C14575FBF300E1C01E565891614111E
945CF28FC509002B4E2892D3D0E795292E520DFE74E75910D436CCDC2BEF78D513B163B66E2B0C9A035604104271ACBD446208CF861
6B230011BB4A3754ECE3136D6335C723646D0A69948159EB68F8E70FFBA70079BB15986EF9A57738317B5E7713570224CF14AB762076FFE
7D0CD054415F868F600A4D85B92FE0759C1B79689C07795B49877254B80249609E0EAF1A82B1869BA0F5850BE33D6BF02285388412083
1E07ED65EB1688F80382F30E03C64CB291EF4708B66FB1F95580706784D038445C5C805641796C75BA80CF98CA6971E647A0AEF5A8BA38
D8DAF37038BEC9B050DA7CFA6B67A291E64F642C2D6359DDFECDBD7511C182FE038BC79FCF449DED4B7AFE444374C413BE887E
79D62261D5672E205FC9BFD349BAF911F956635A6C729A3A394655EBBD773DF0111016B2B3BBE70FBC0EB61CA80352CA96AE2DD60556
7F07B0BA3108602D8BFFA7CD6699DCC4D2F922AEE3BF1CAF9D5EBD32
```



- Next, choose “SFD Token” in the diagnostic device, and then click the “Server” option in the “Get Data” button to obtain the SFD token data submitted in the previous step.

VW V29.05 > Full Systems List

SFD Activation Manual SFD Activation **SFD Token** Help Document

Brief Description	System Information
Vehicle Identification Number	LSVXL7CA2M
Control Unit	19 Data Bus OBD Interface

Brief Description:
1. Click 'Get Data' Button To Obtain The Token Queried By The User From t He Third Party, And Then Perform 'Activate The Control Unit'.
2. The Method Of 'Get Data' And 'Share Data' Should Be Consistent.

Please Note:
Each Activation Token Is Specific To The Control Unit And Usable Only One Time!

SFD Token

QR Code
Server
Local
Memory

Activate Control Unit Get Data

Clear SFD Token Data

VW V29.05 > Full Systems List

SFD Activation Manual SFD Activation **SFD Token** Help Document

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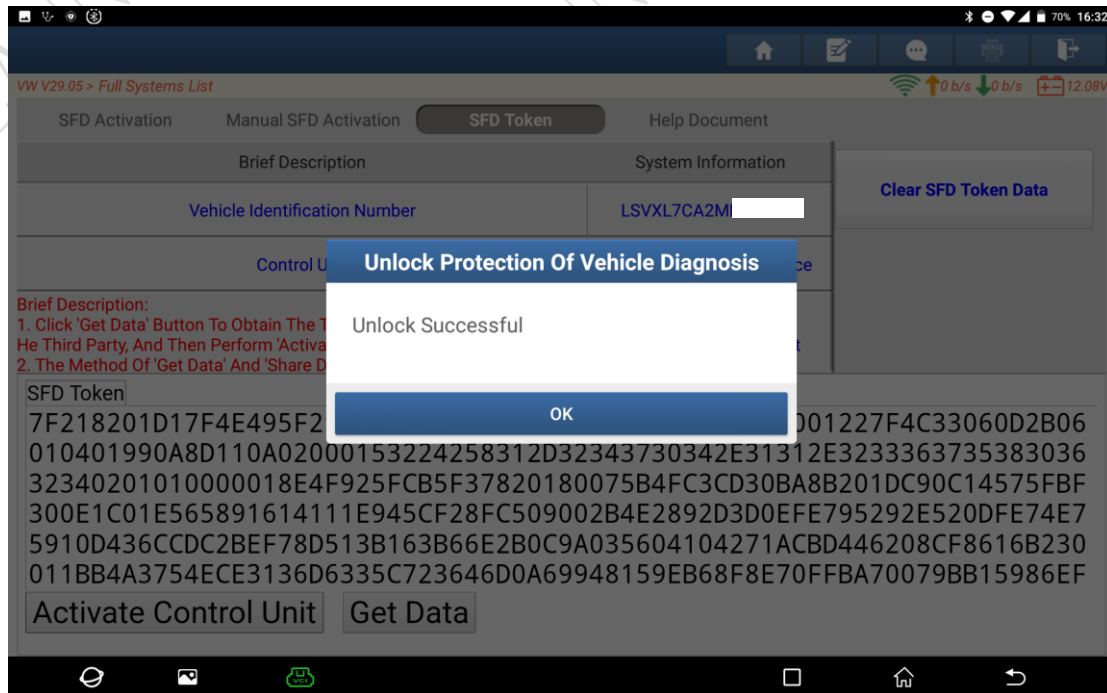
SFD Token

7F218201D17F4E495F290170420D444555565747505346000001227F4C33060D2B06
010401990A8D110A02000153224258312D32343730342E31312E3233363735383036
32340201010000018E4F925FCB5F37820180075B4FC3CD30BA8B201DC90C14575FBF
300E1C01E565891614111E945CF28FC509002B4E2892D3D0EFE795292E520DFE74E7
5910D436CCDC2BEF78D513B163B66E2B0C9A035604104271ACBD446208CF8616B230
011BB4A3754ECE3136D6335C723646D0A69948159EB68F8E70FFBA70079BB15986EF

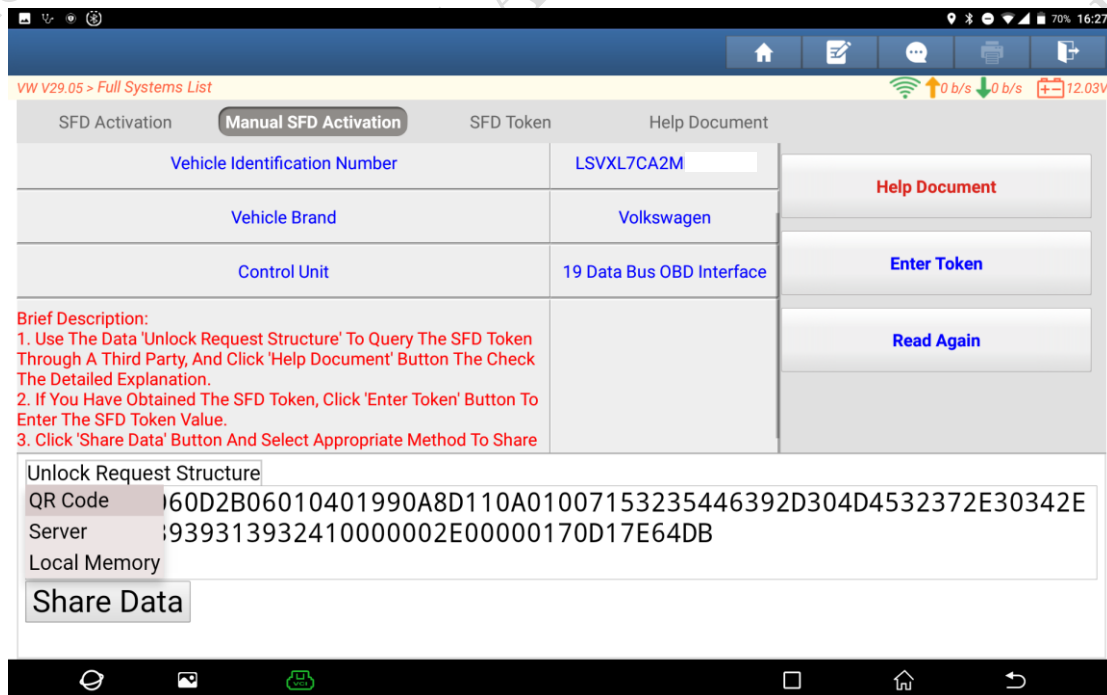
Activate Control Unit Get Data

Clear SFD Token Data

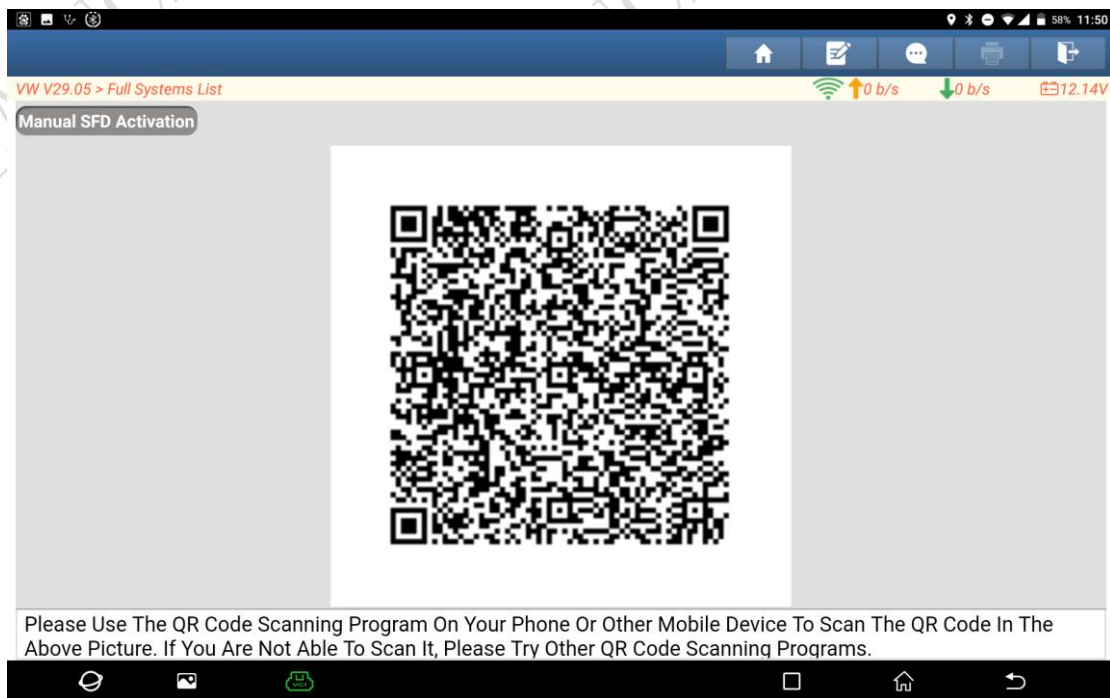
11. After obtaining the SFD token data, click “Activate Control Unit” to unlock. An unlocking success message is displayed as shown in the figure below.



12. If you use the “QR Code” share mode, the procedure is as follows: Choose “Manual SFD Activation” and then choose the “QR Code” option from the “Share Data” button.



13. Use Alipay or WeChat to scan the QR code.



14. Share the scanned "Unlock Request Structure" data with a third party (Taobao seller, etc.) for calculation.

Vehicle Identification Number : LSVXL7EA2

Vehicle Brand : Volkswagen

Control Unit : 19 Data Bus OBD Interface

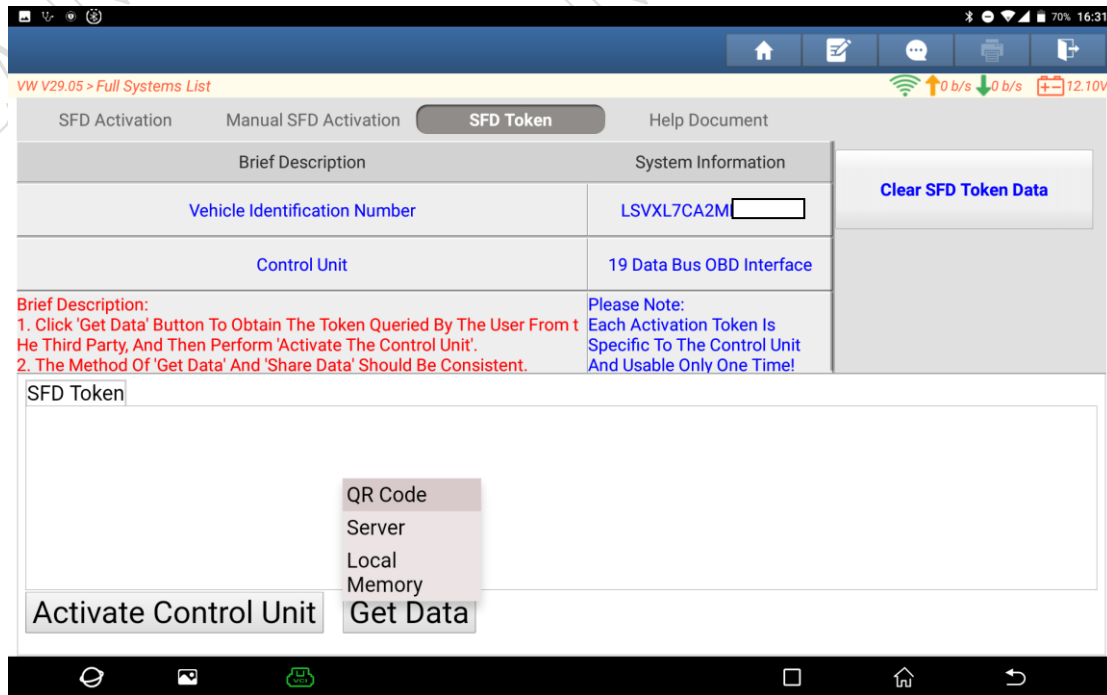
Unlock Request Structure :

65367334060D2B06010401990A8D110A010071

53235446392D304D4532372E30342E32313939

3939313932410000002E00000170D17E64DB

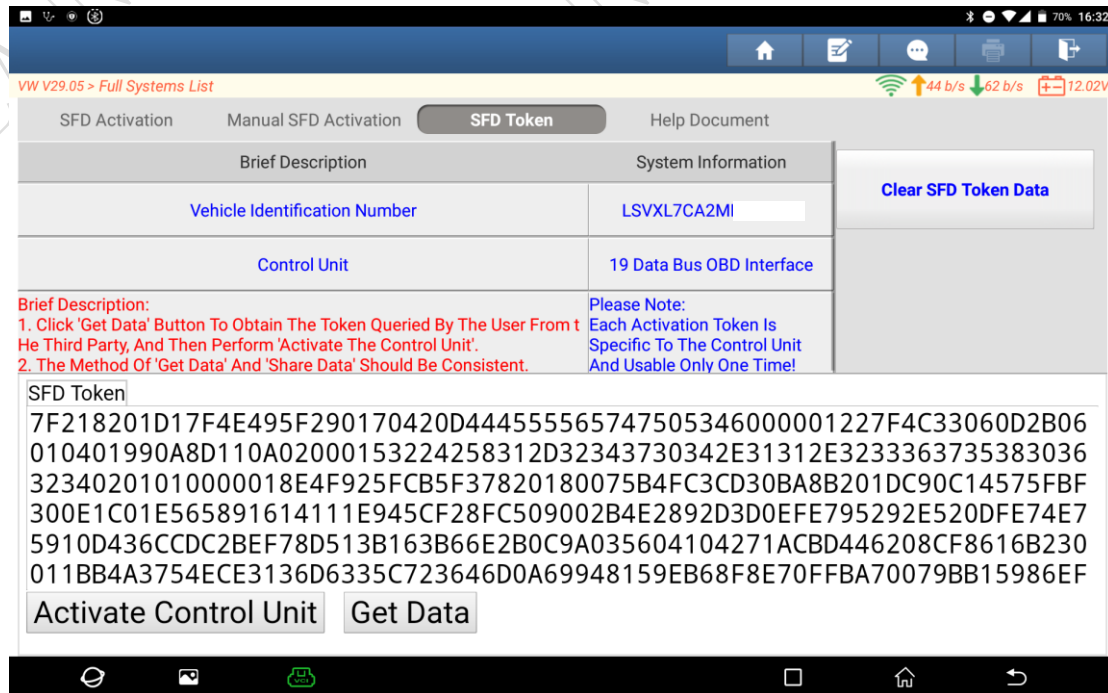
15. Choose "SFD Token" in the diagnostic device, and then choose the "QR Code" option from the "Get Data" button.



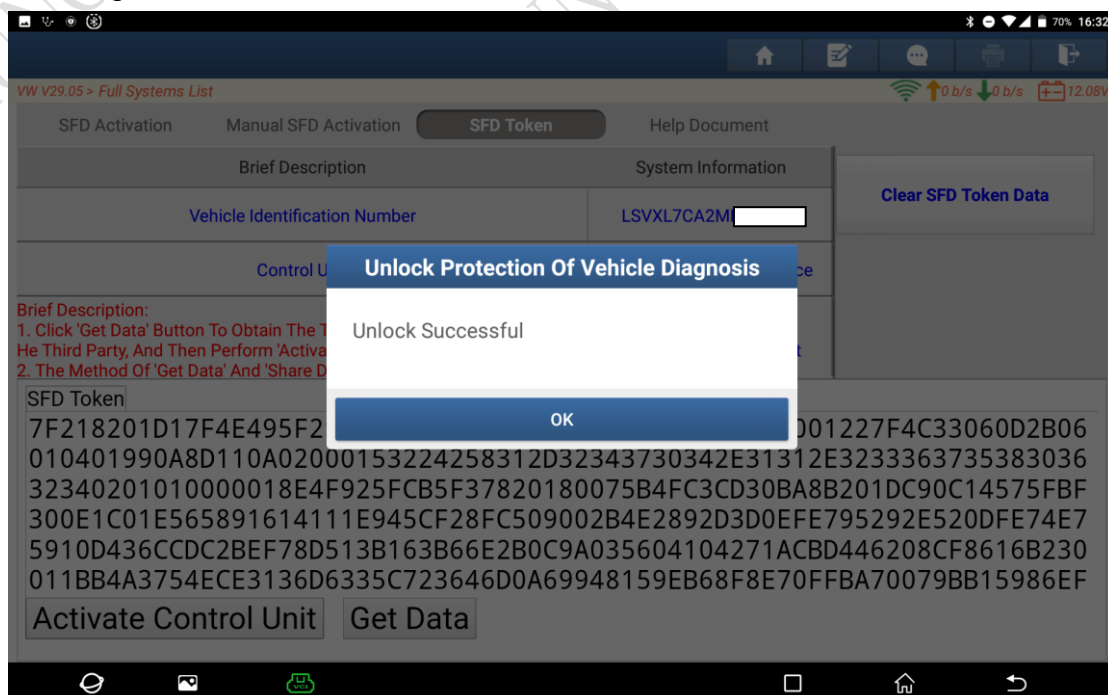
16. Then, use the QR code scanning window to scan the SFD token data QR code provided by the third party.



17. After scanning is completed, the obtained SFD token data is shown in the figure below.



18. Click "Activate Control Unit" to unlock. An unlocking success message is displayed. You can return to the menu to perform the corresponding diagnostic function.



Statement

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