

Benz Immobilizer Manual

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1. Introduction to Benz Immobilizer

Support key adding, all keys lost, engine computer erasing, gearbox computer erasing, ISM computer erasing, and EIS replacement for FBS3. Support engine computer clone and gearbox computer clone for FBS4.

2. Key Adding

2.1 Model Coverage

Series	Model	Year	Chassis	Key Adding
Benz	A	2005-2011		Supported
Benz	A	2012-2014		Supported
Benz	B	2012-2014		Supported
Benz	B	2005-2011		Supported
Benz	C	2008-2014		Supported
Benz	C	2006-2007	Coupe	Supported
Benz	C	2003-2005		Supported
Benz	C	2001-2002		Supported
Benz	E	1996-2001		Supported
Benz	E	2002-2008		Supported
Benz	E	2009	Saloon car	Supported
Benz	E	2009	Wagon	Supported
Benz	E	2009	Coupe	Supported
Benz	E	2010-2013	212 chassis	Supported
Benz	E	2010-2013	207 chassis	Supported
Benz	S	2006-2013		Supported
Benz	S	1999-2005	Coupe	Supported
Benz	S	1999-2005	Saloon car	Supported
Benz	CLK	1997-2002		Supported
Benz	CLK	2003-2005		Supported

Benz	CLK	2006-2009		Supported
Benz	CLS	2011-2014		Supported
Benz	CLS	2005-2010		Supported
Benz	CL	2006-2013		Supported
Benz	CL	1999-2005		Supported
Benz	SLK/SLC	2011-2014		Supported
Benz	SLK/SLC	2005-2010		Supported
Benz	AMG GT	2010-2014		Supported
Benz	SLS	2010-2014		Supported
Benz	M/ML/GLE	2006-2008		Supported
Benz	M/ML/GLE	2009-2011		Supported
Benz	M/ML/GLE	2012-2013		Supported
Benz	GL/GLS	2006-2008		Supported
Benz	GL/GLS	2009-2012		Supported
Benz	GLK	2008-2014		Supported
Benz	R	2006-2008		Supported
Benz	R	2009-2017		Supported
Benz	G	-2015		Supported
Benz	CLA	2013-2014		Supported
Benz	GLA	2013-2014		Supported
Benz commercial vehicle	Vito & Viano	2009-2014		Supported
Benz commercial vehicle	Sprinter	2006-2018		Supported

2.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

2.3 Procedure

The following is key adding for w216 EIS.

1. Click "Anti-theft Password Reading", as shown in the figure below.

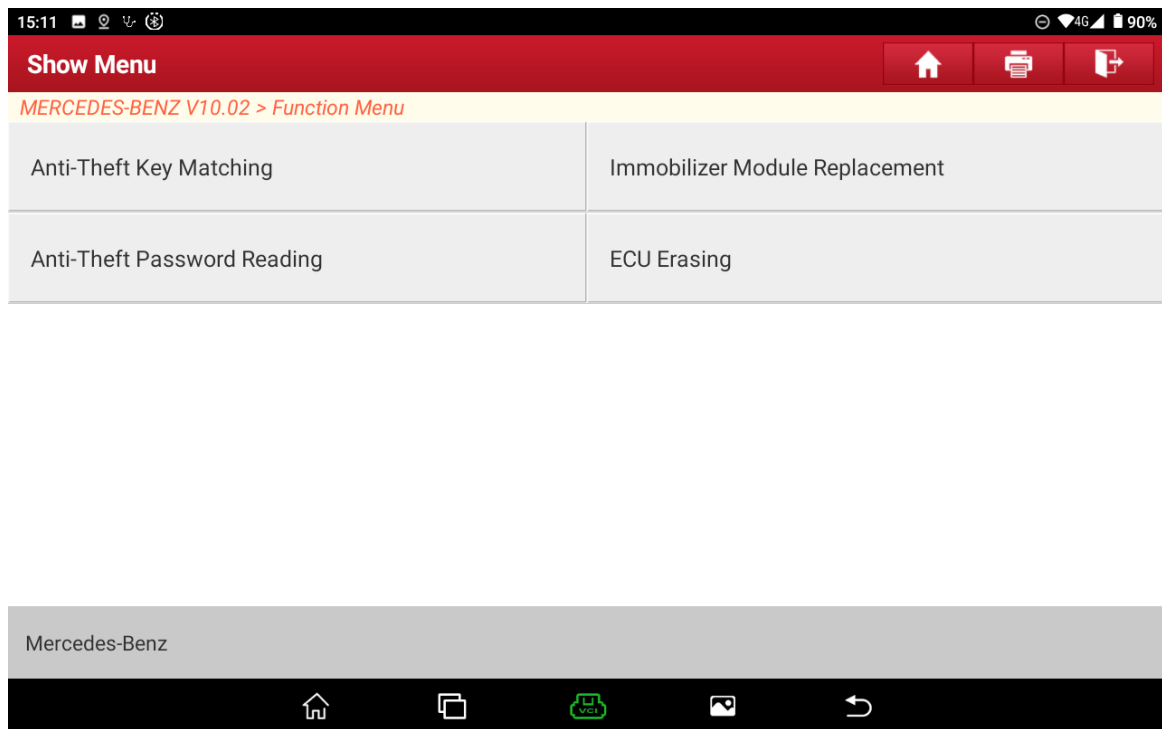


Figure 2

2. Select the menu according to the actual situation. Here, click "Operation On the Platform", as shown in the figure below.

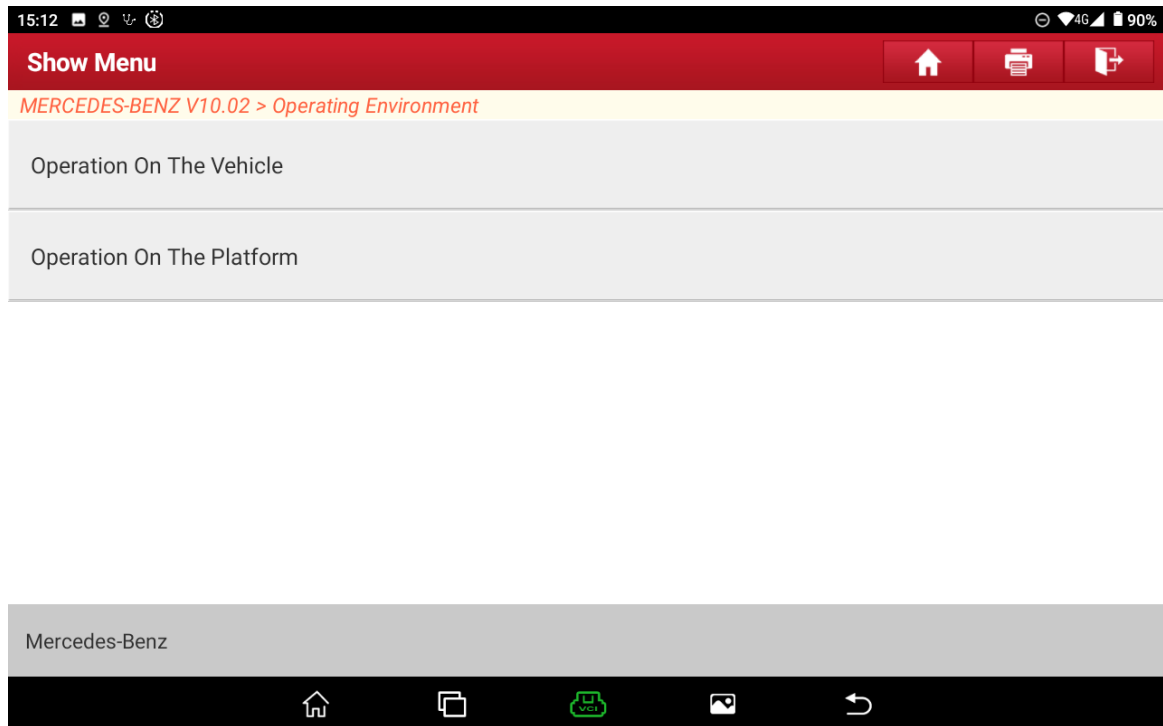


Figure 3

3. Click “Calculate Password by Adding Key”, as shown in the figure below.

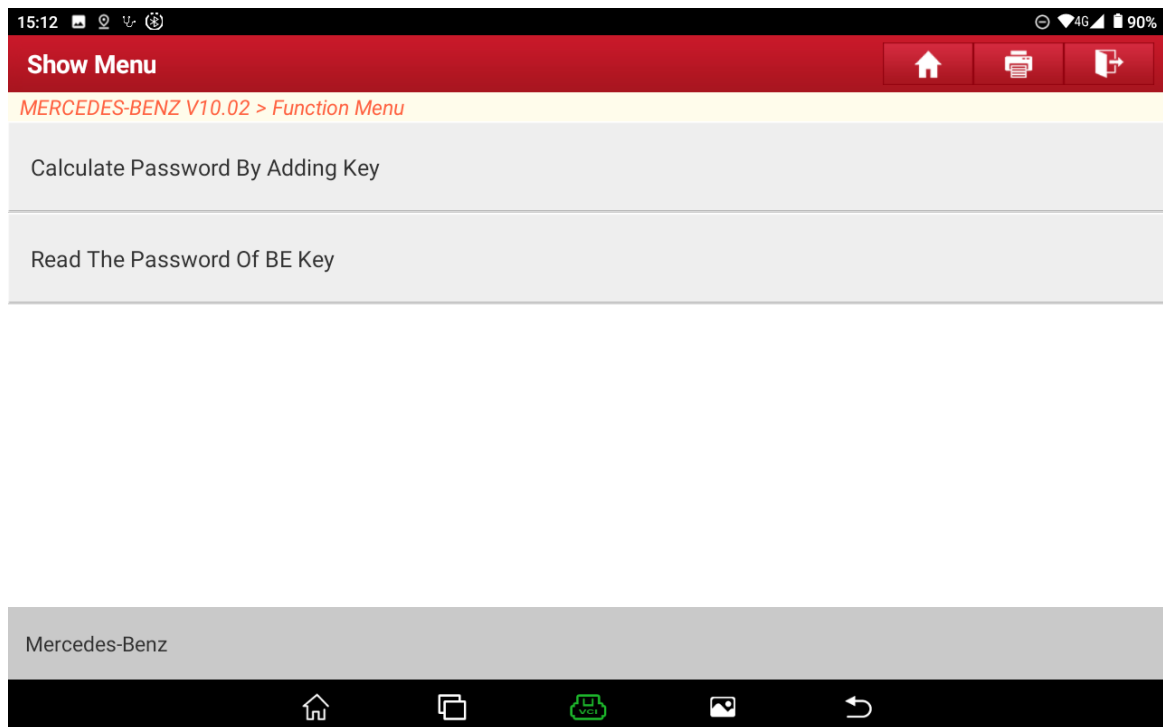


Figure 4

4. Select the corresponding EIS type and there is a corresponding wiring diagram. If the wiring is already connected, click "Automatic Identification", as shown in the figure below.

Show Menu	
MERCEDES-BENZ V10.02 > Type	
Automatic Identification	W164 (-2008)
W164 (2009-)	W166
W169	W172
W197	W204
W207	W209
Mercedes-Benz	

Figure 5

5. The EIS type is identified. Click OK, as shown in the figure below.

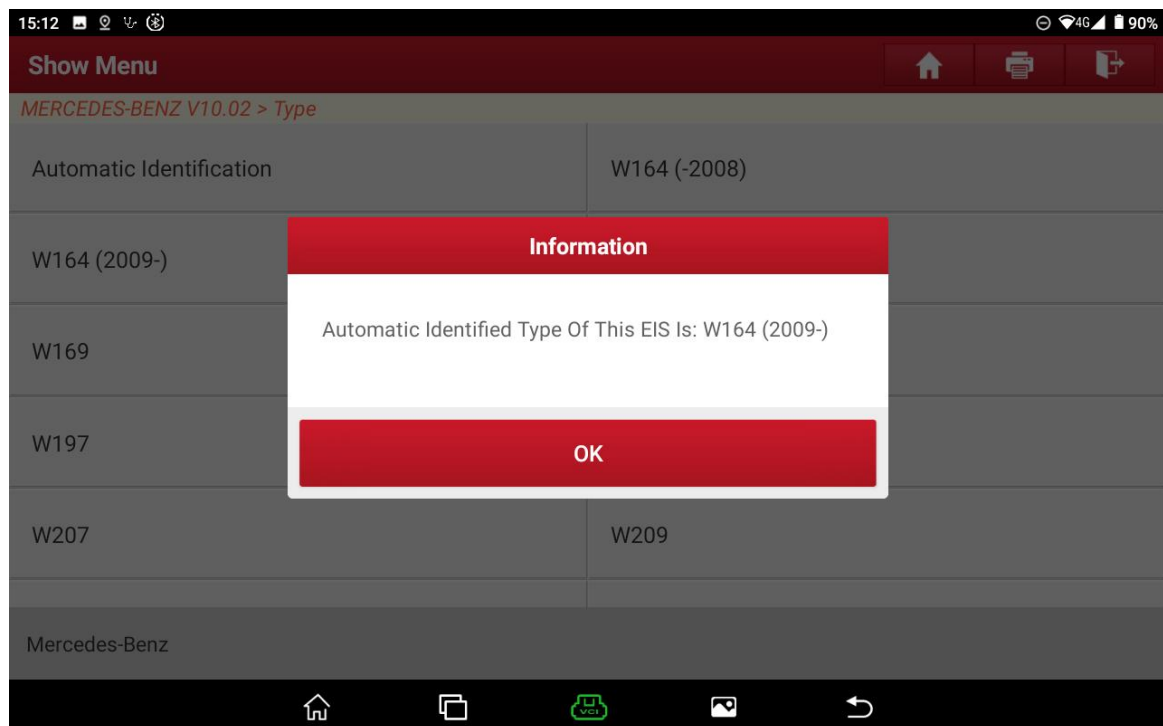


Figure 6

6. Click OK, as shown in the figure below.

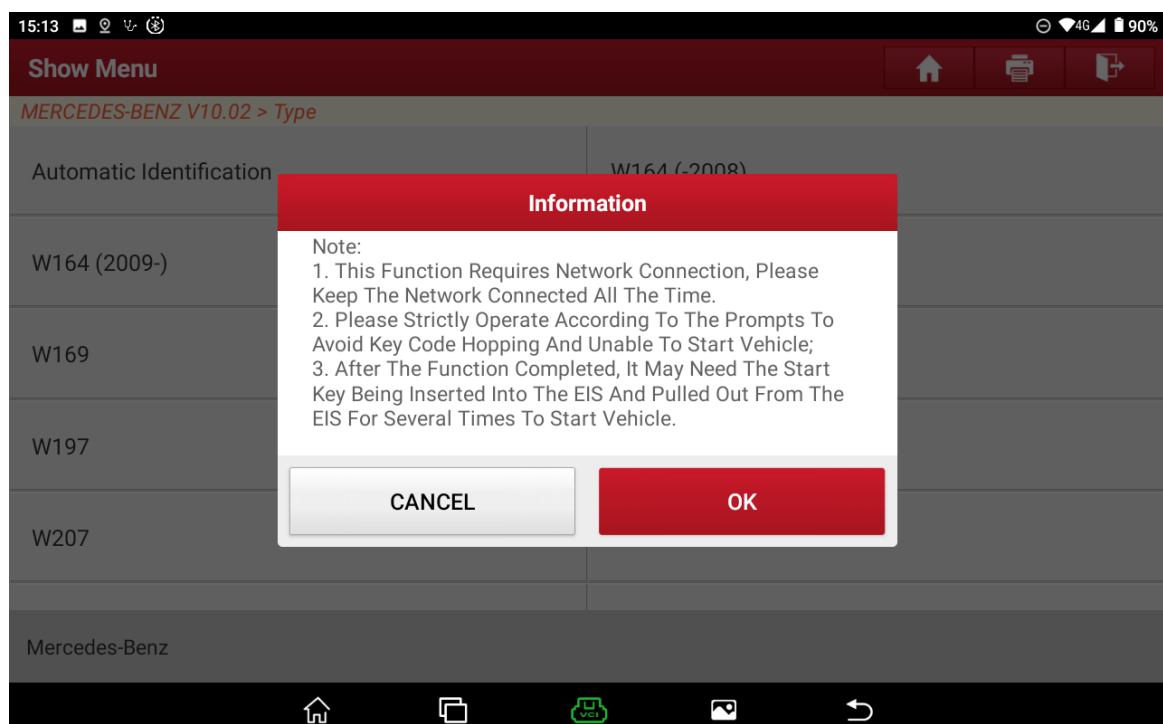


Figure 7

7. The following operations can be repeated for several times. Follow the prompts and click OK, as shown in the figure below.

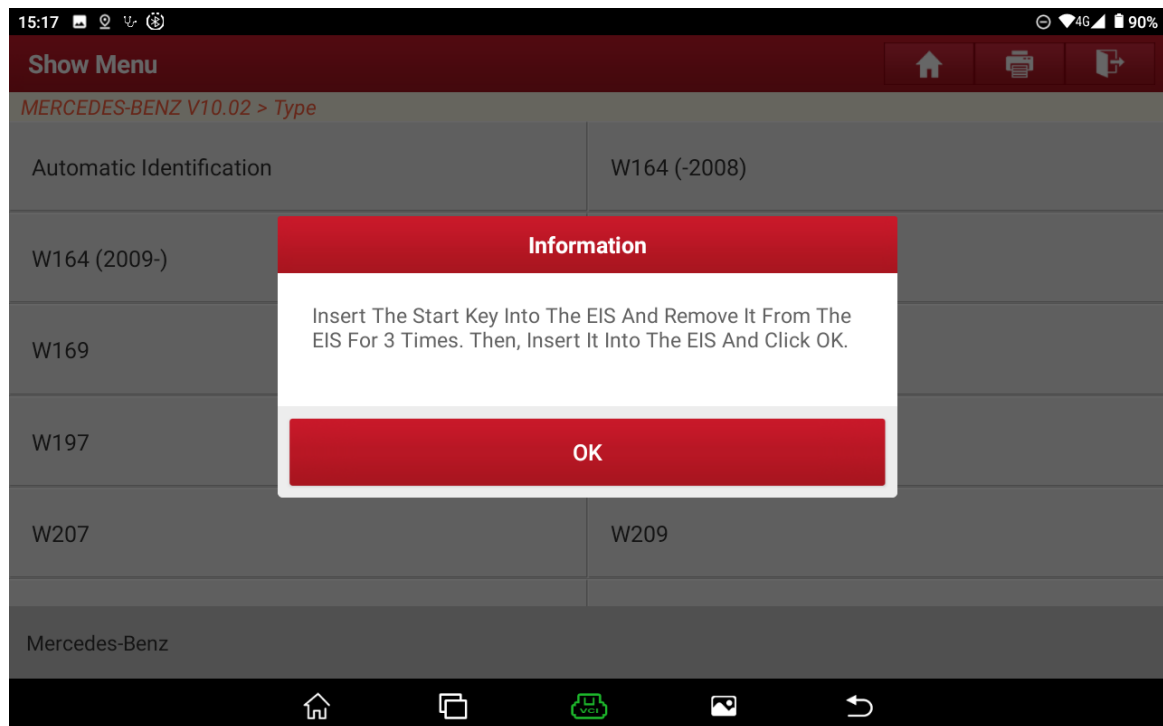


Figure 8

8. After inserting the key into the infrared key hole, click OK, as shown in the figure below.

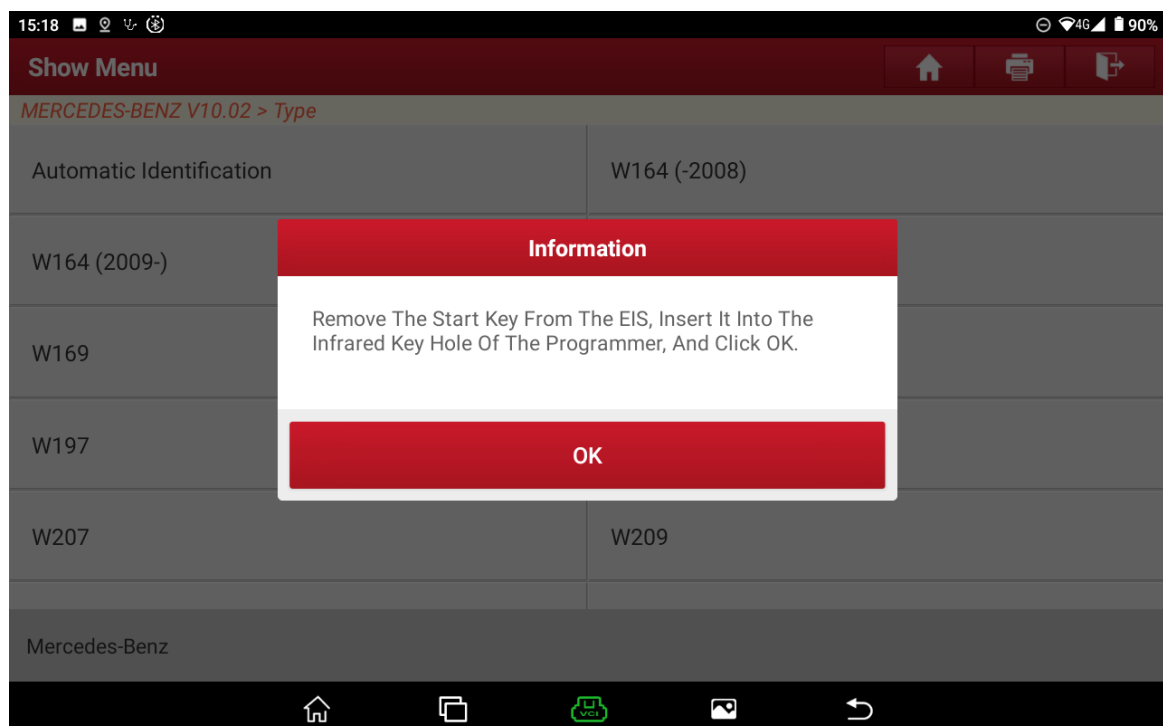


Figure 9

9. Click OK after following the prompts, as shown in the figure below.

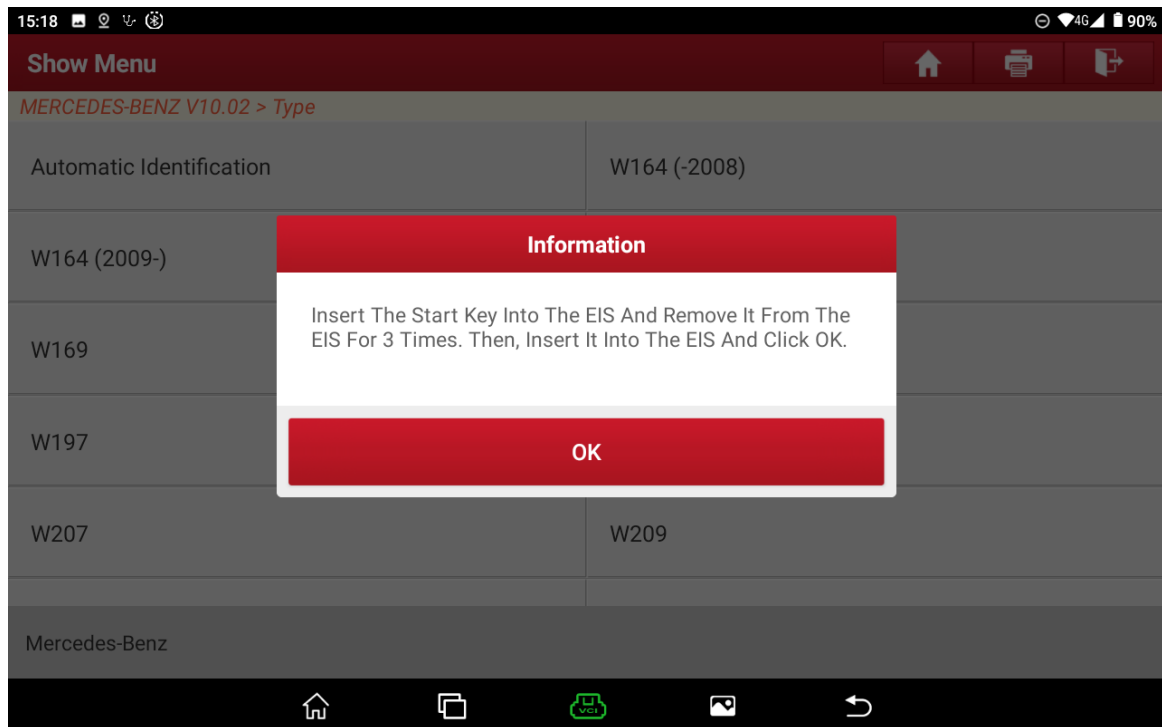


Figure 10

10. Click OK after following the prompts, as shown in the figure below.

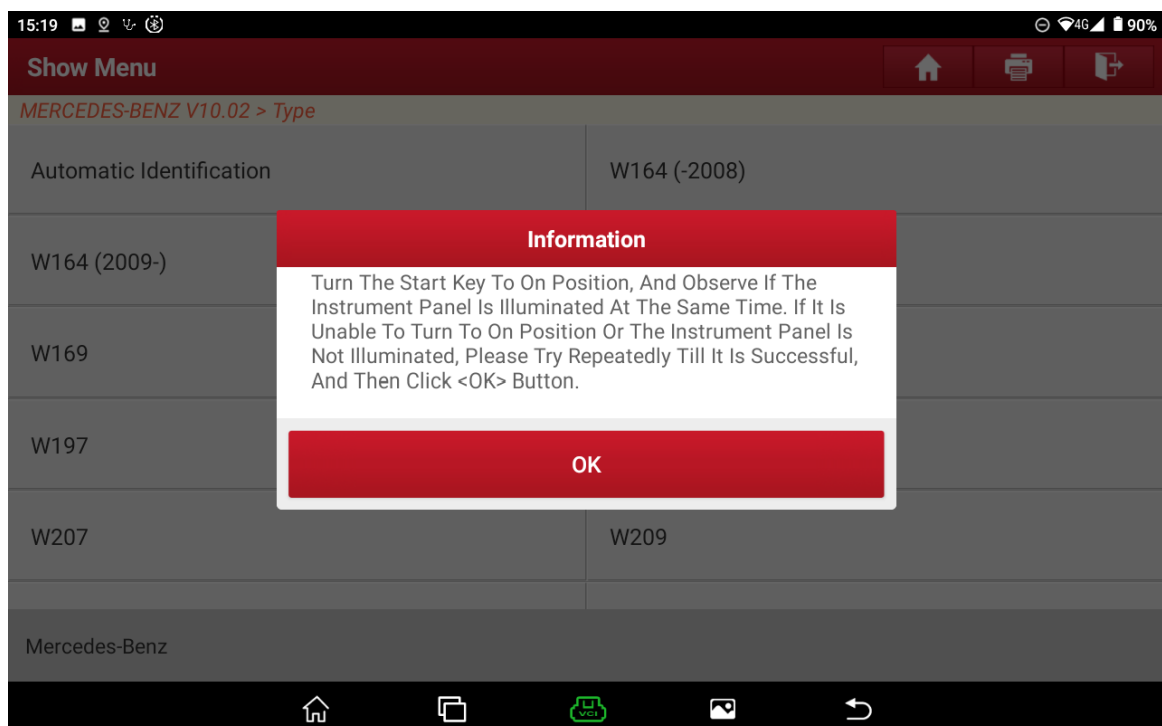


Figure 11

11. After inserting the key into the infrared key hole, click OK, as shown in the figure below.

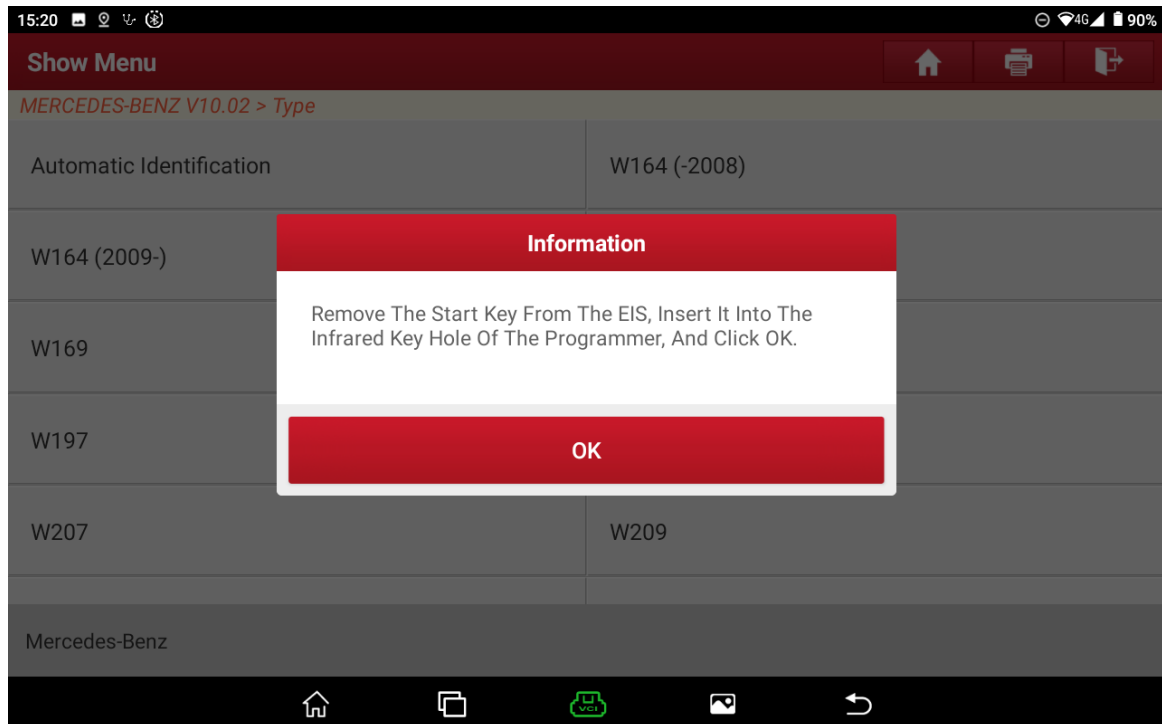


Figure 12

12. Collecting password calculation data...as shown in the figure below.

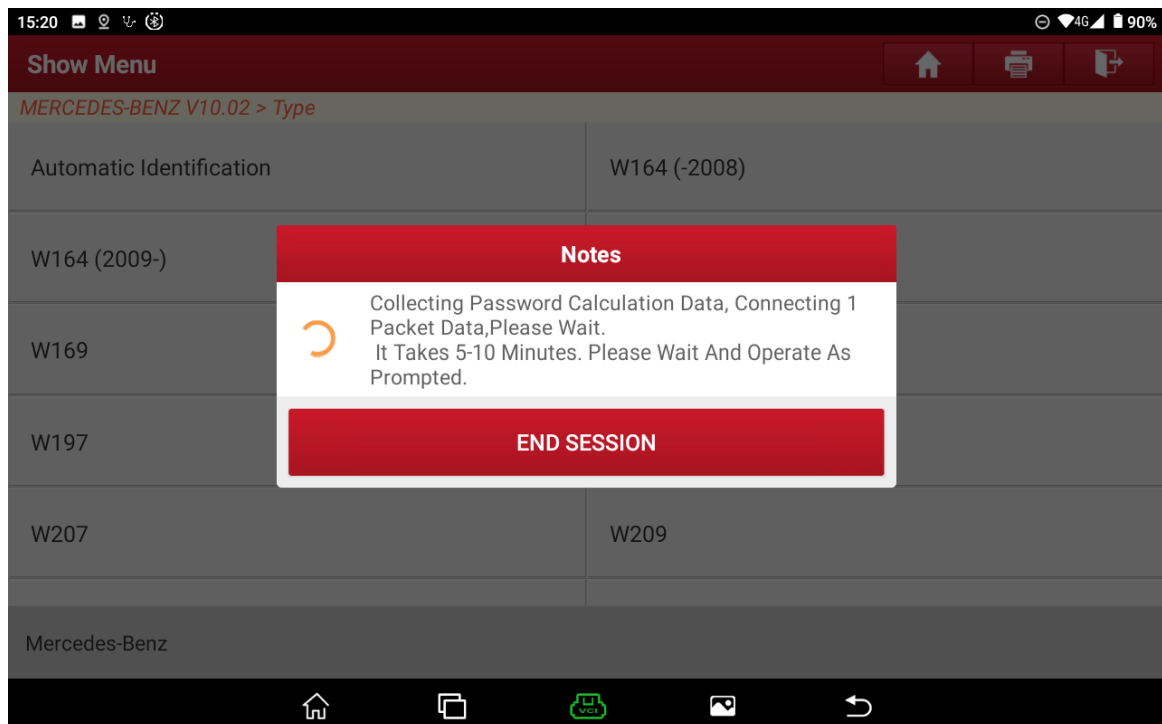


Figure 13

13. Click OK after following the prompts, as shown in the figure below.

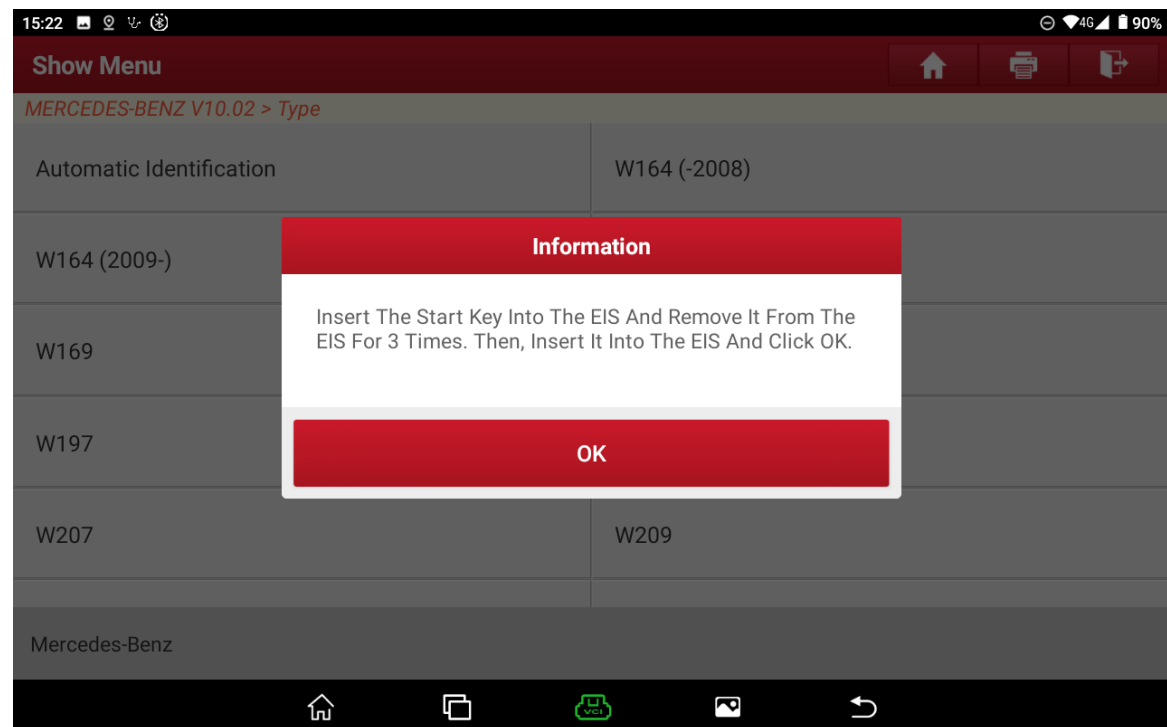


Figure 14

14. Click OK after following the prompts, as shown in the figure below.

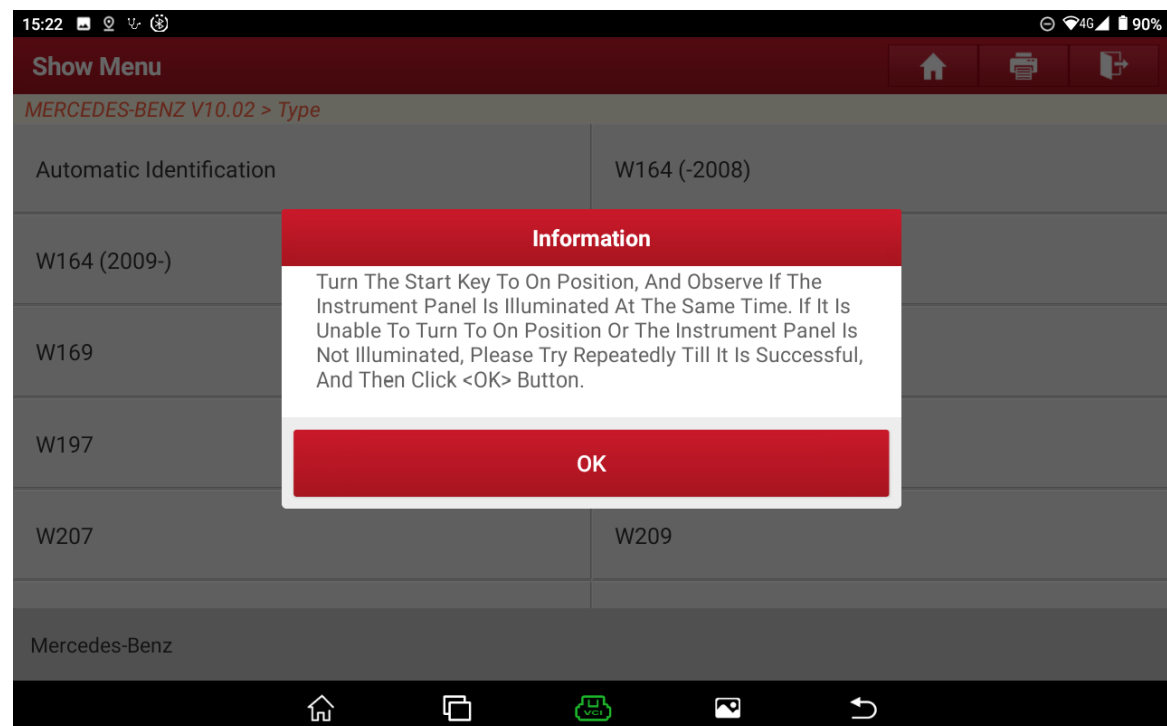


Figure 15

15. Networking to upload data...as shown in the figure below.

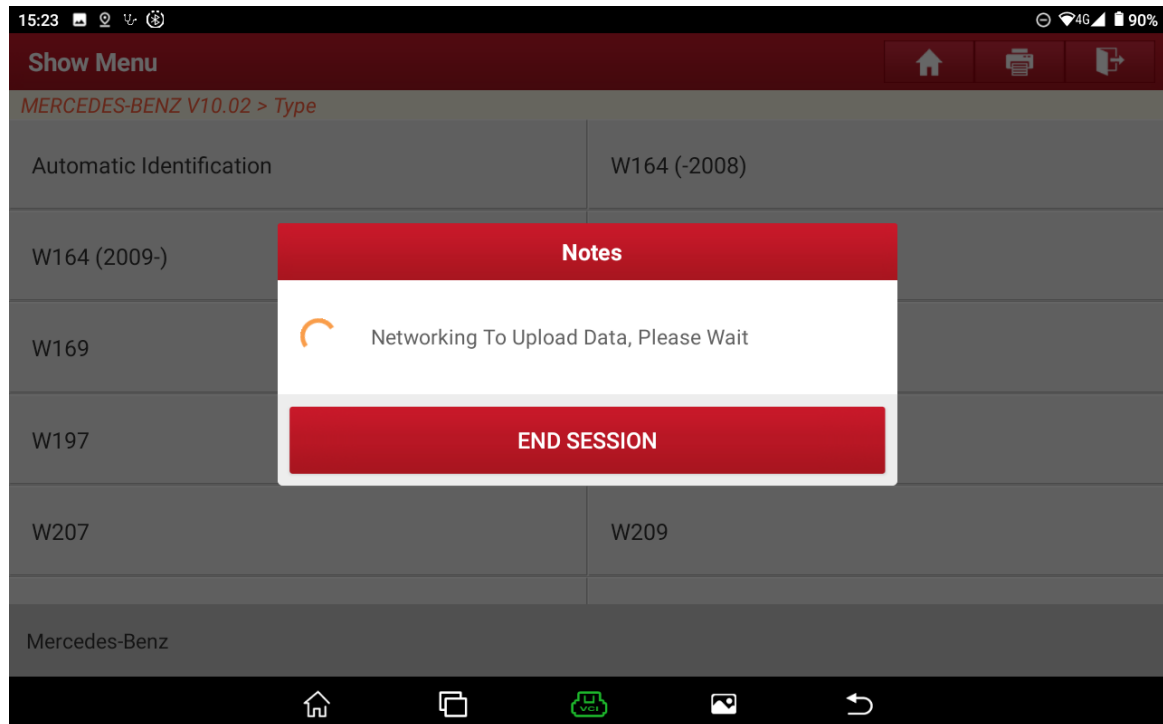


Figure 16

16. After the password is calculated, take screenshots or take pictures, and then click OK, as shown in the figure below.

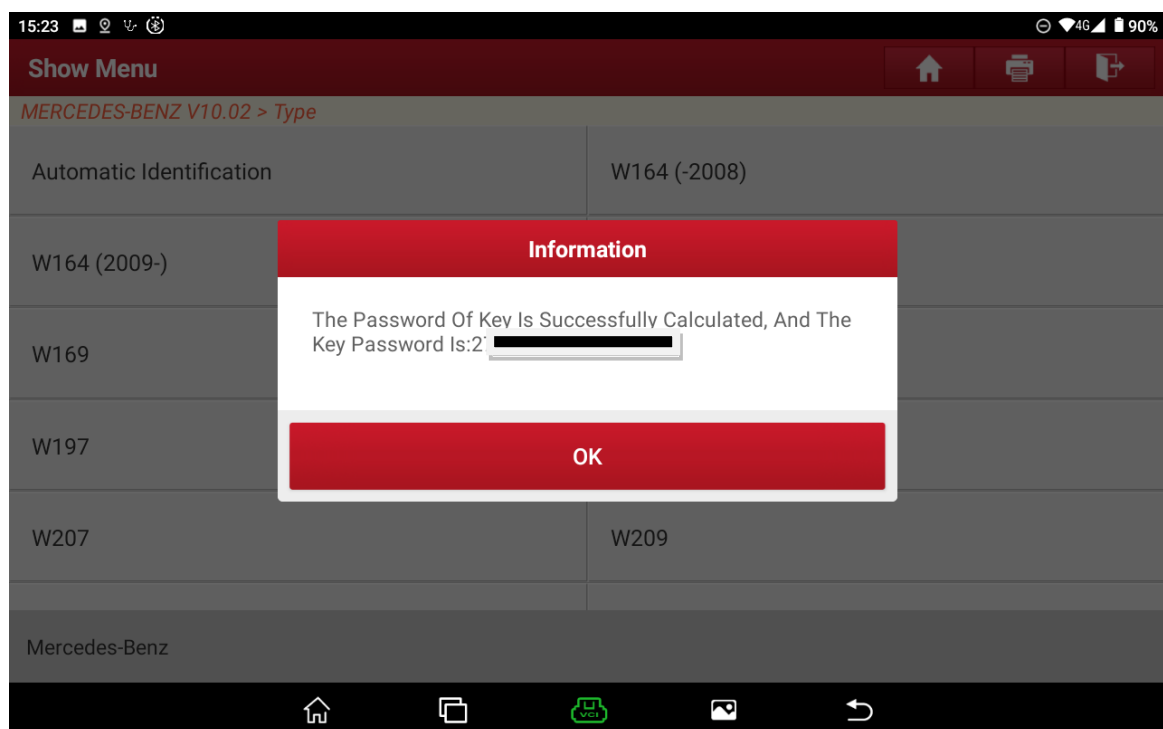


Figure 17

17. Click Yes, as shown in the figure below.

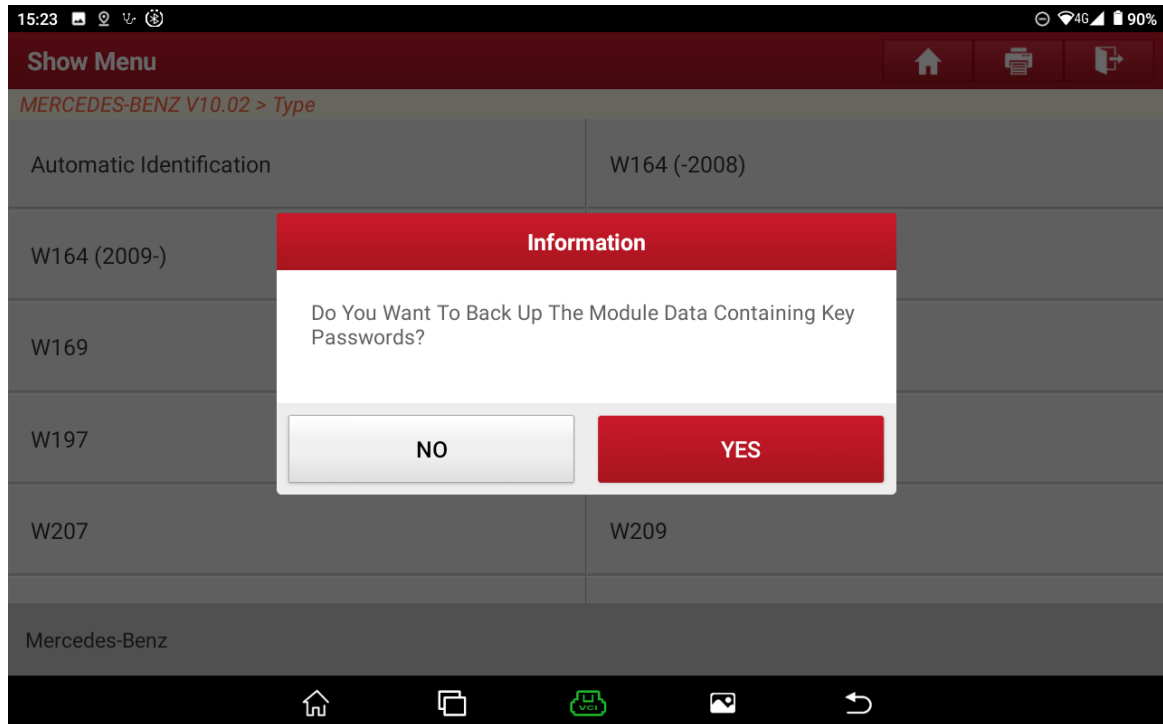


Figure 18

18. After the file is named and saved, click OK, as shown in the figure below.

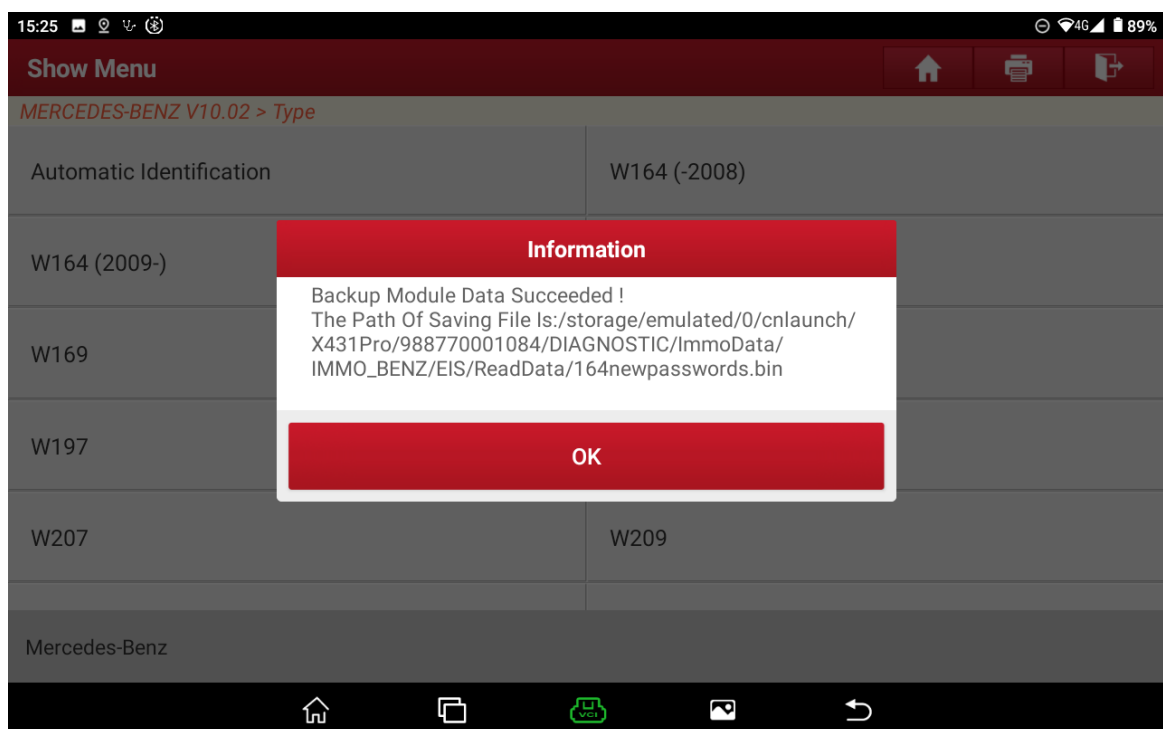


Figure 19

19. Go back to the initial page and click "Anti-theft Key Matching", as shown in the figure below.

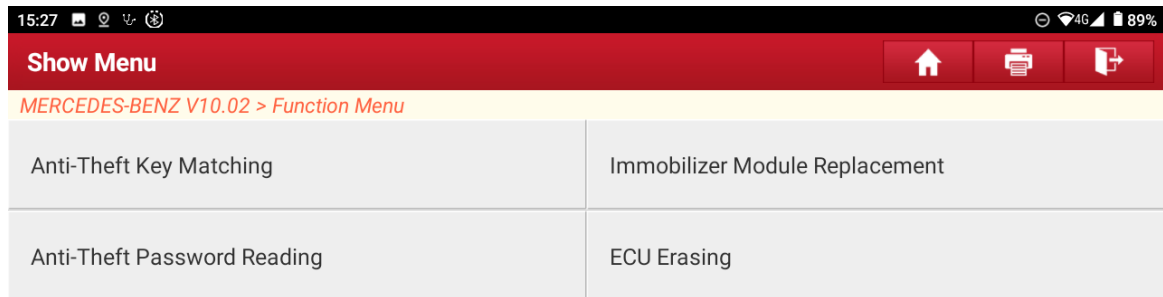


Figure 20

20. Click "Generate BE Key File", as shown in the figure below.

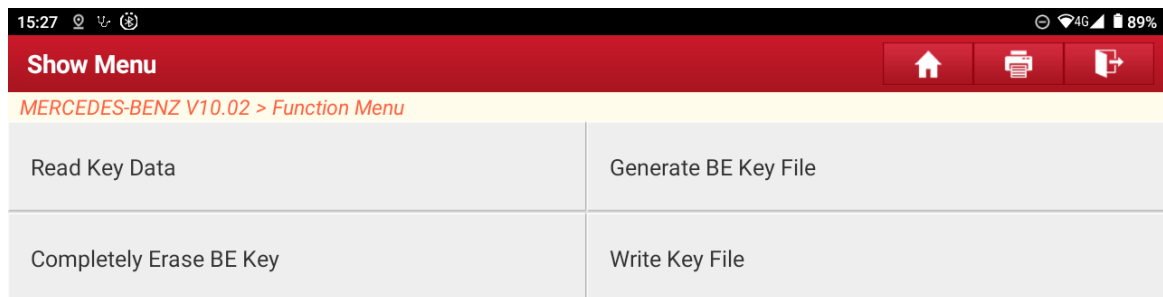


Figure 21

21. Click OK, as shown in the figure below.

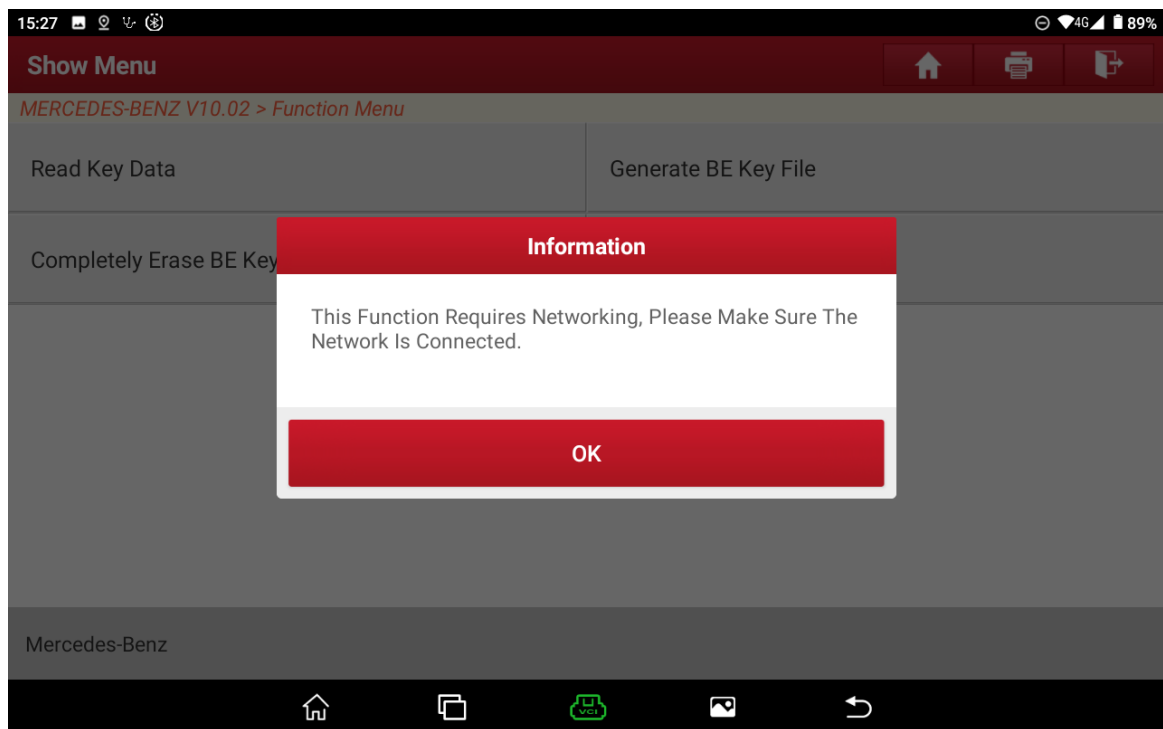


Figure 22

22. Click OK, as shown in the figure below.

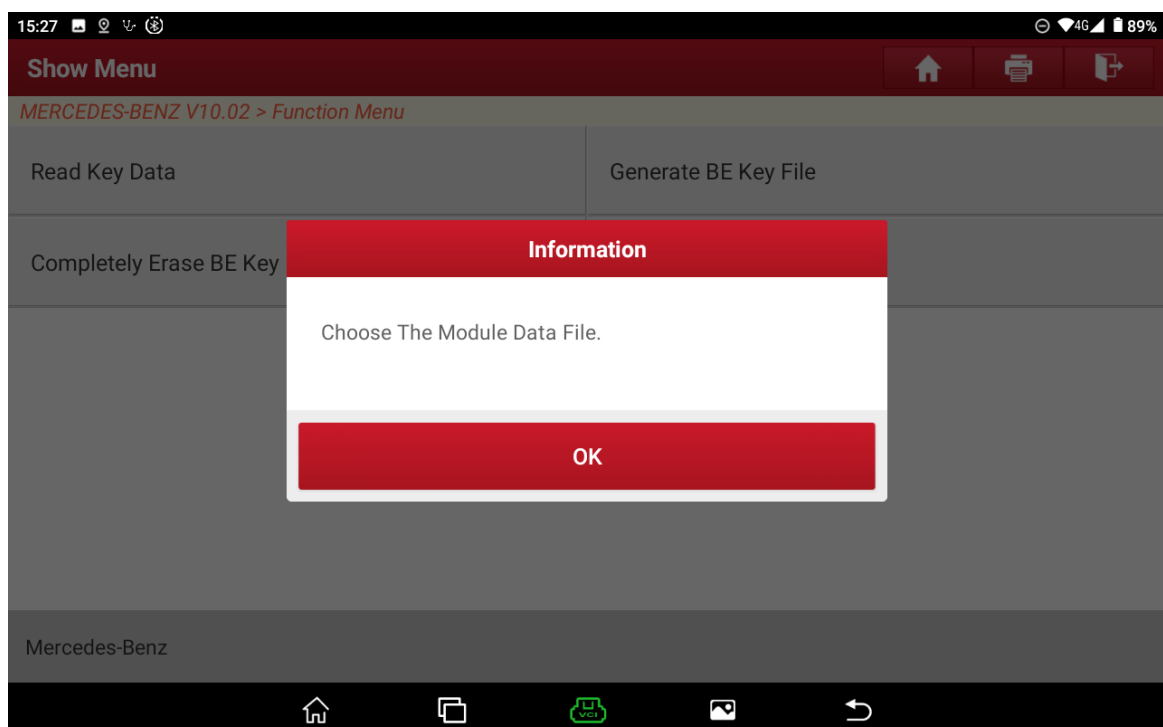


Figure 23

23. Select the file where the calculated password is saved, and click OK, as shown in the figure below.

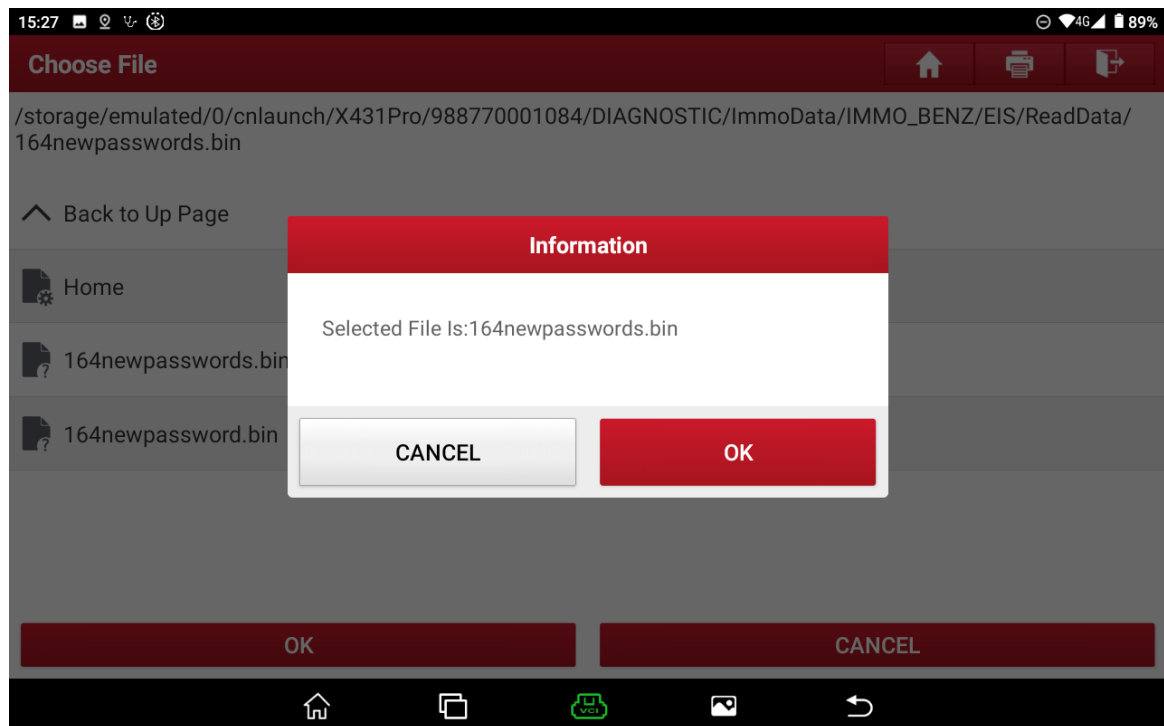


Figure 24

24. After confirming the password, click OK, as shown in the figure below.

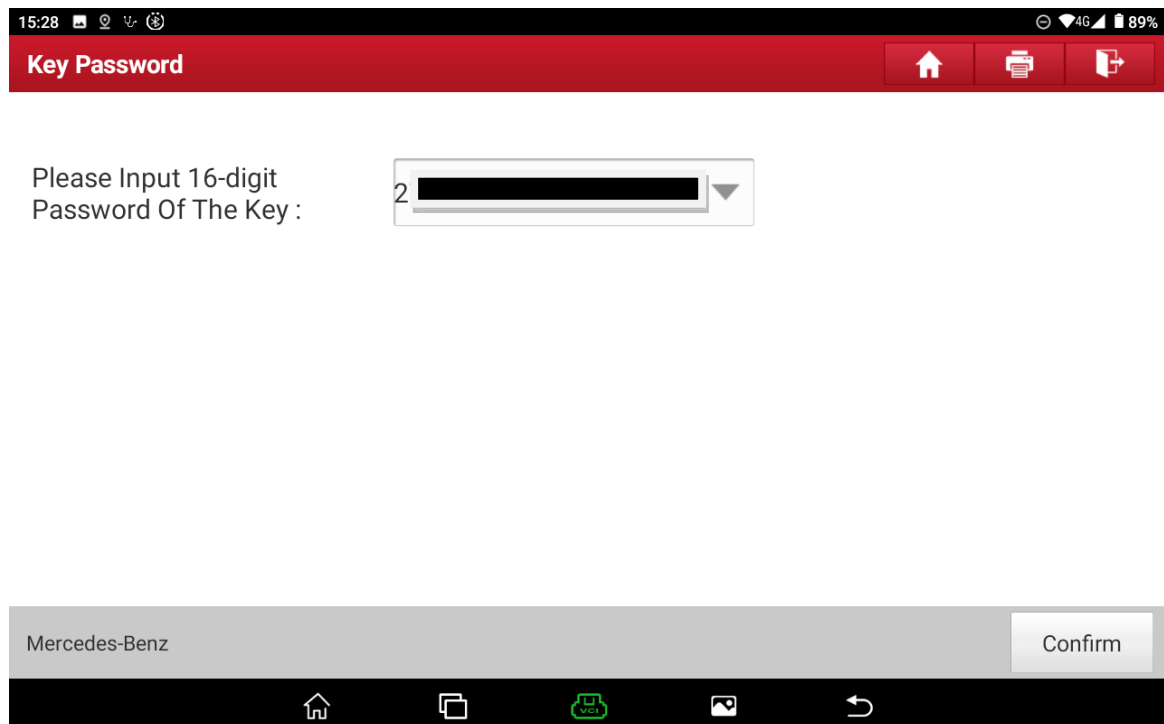


Figure 25

25. Click OK, as shown in the figure below.

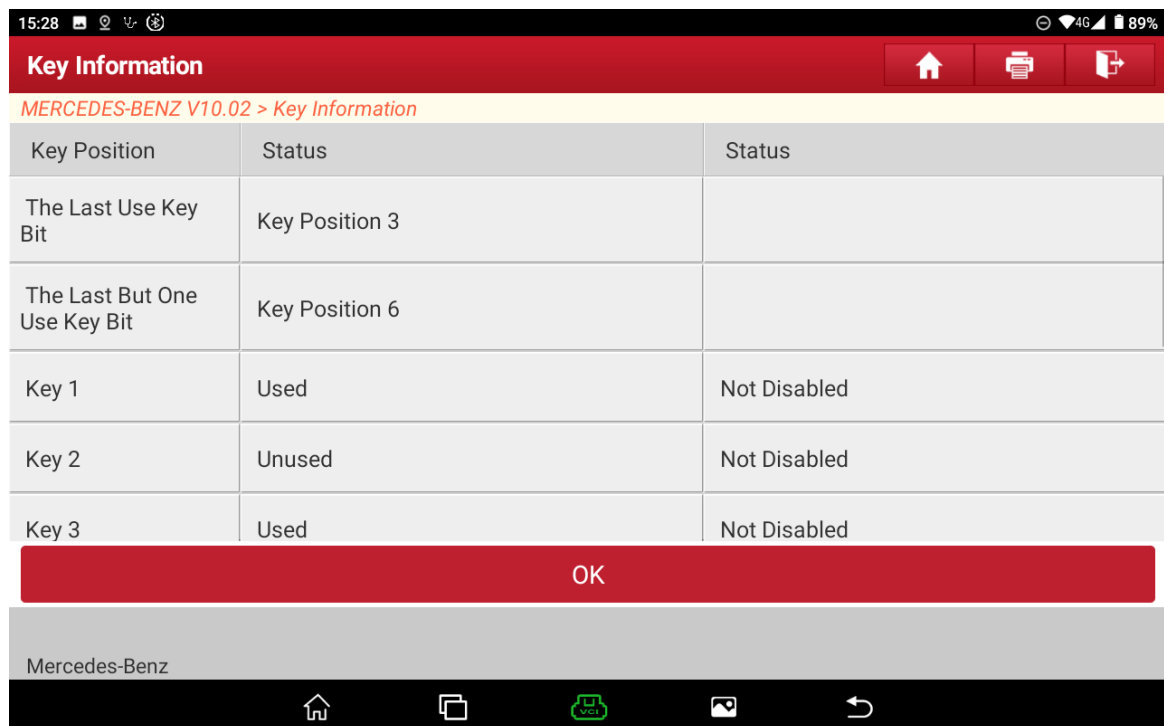


Figure 26

26. Click OK, as shown in the figure below.

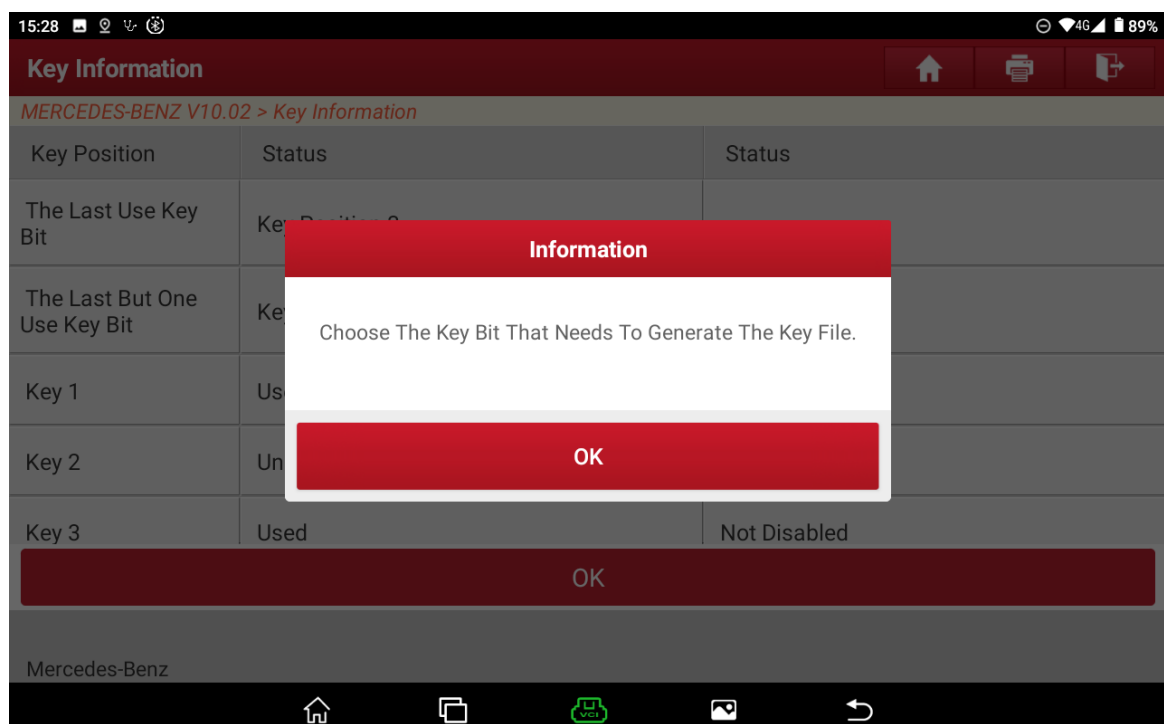


Figure 27

27. Select according to your needs. Here, select "Key 6" and then click OK, as shown in the figure below.

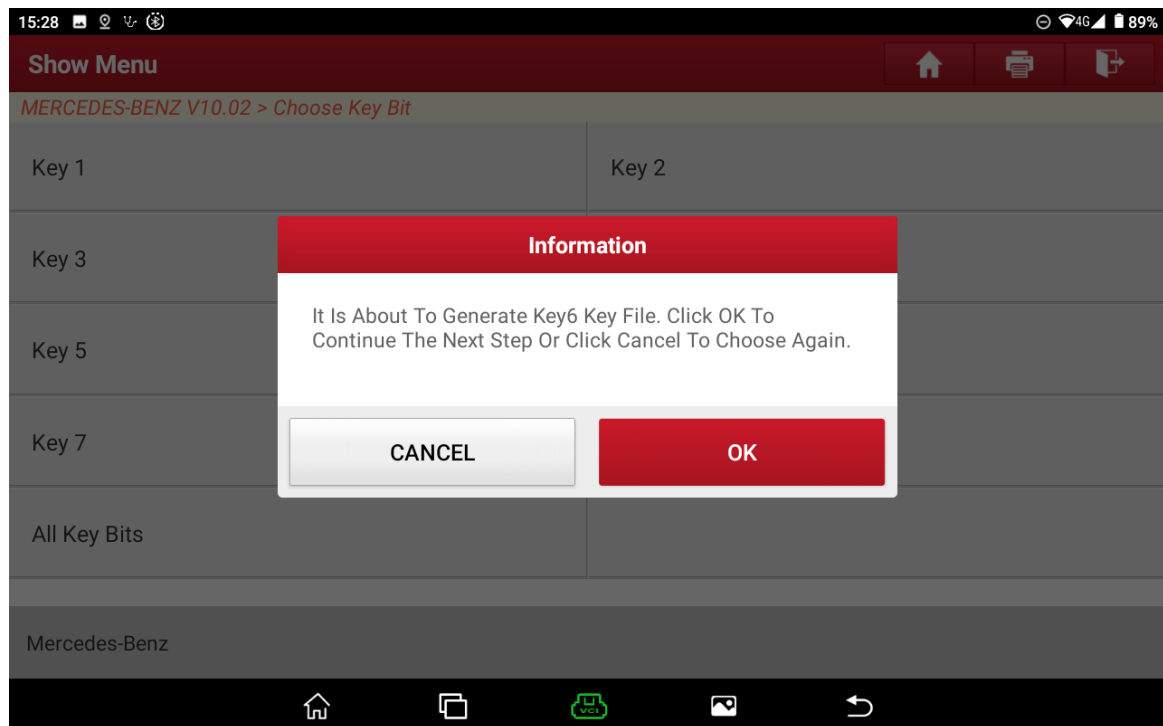


Figure 28

28. Networking to generate a key file...as shown in the figure below.

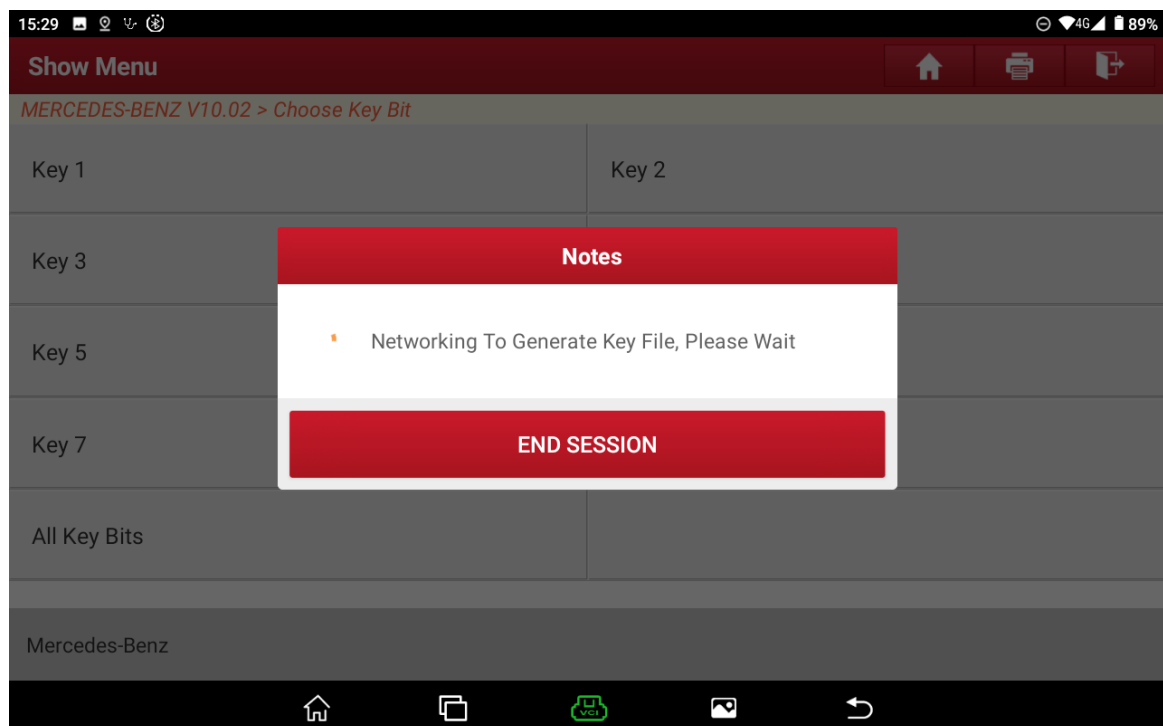


Figure 29

29. The key file is successfully generated. Write down the file name and click OK, as shown in the figure below.

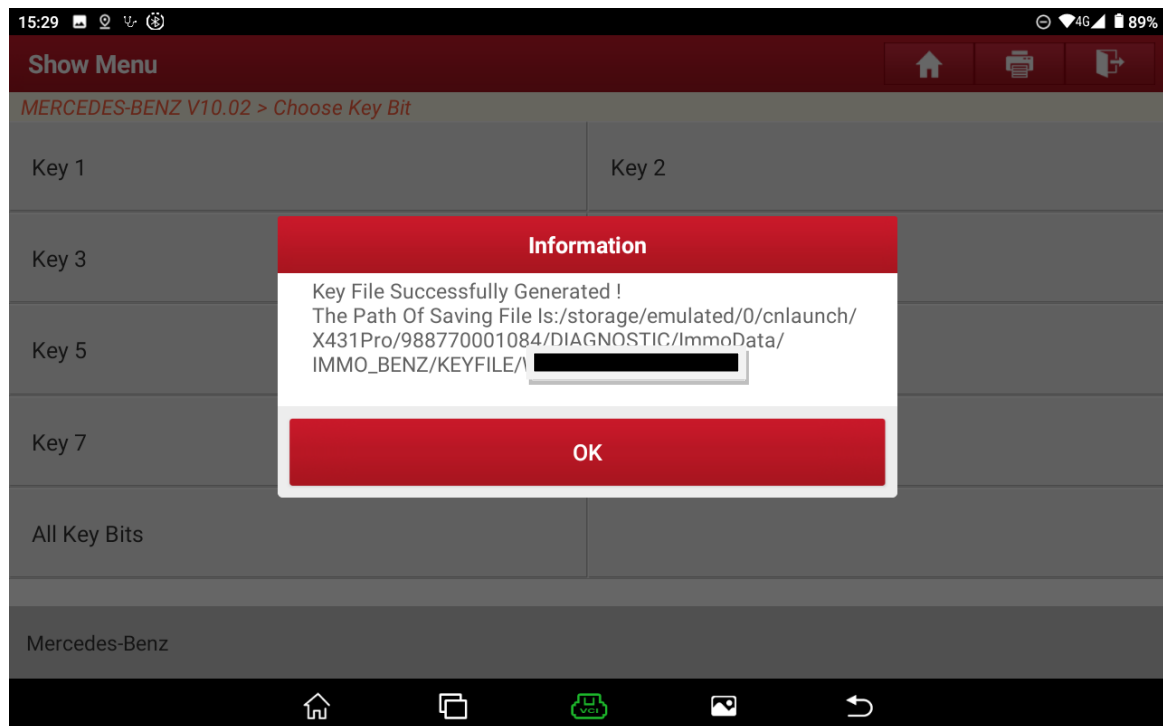


Figure 30

30. Select according to your needs. Here, click No, as shown in the figure below.

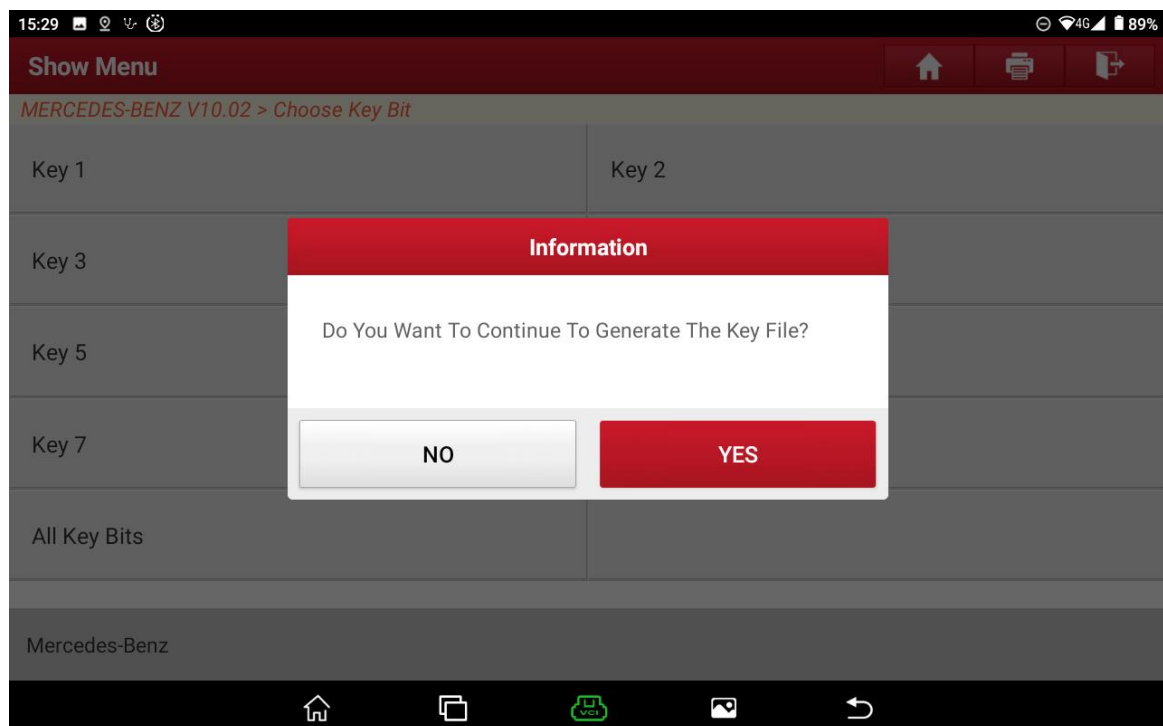


Figure 31

31. Go back to the immobilizer key matching page and click "Completely Erase BE Key", as shown in the figure below.

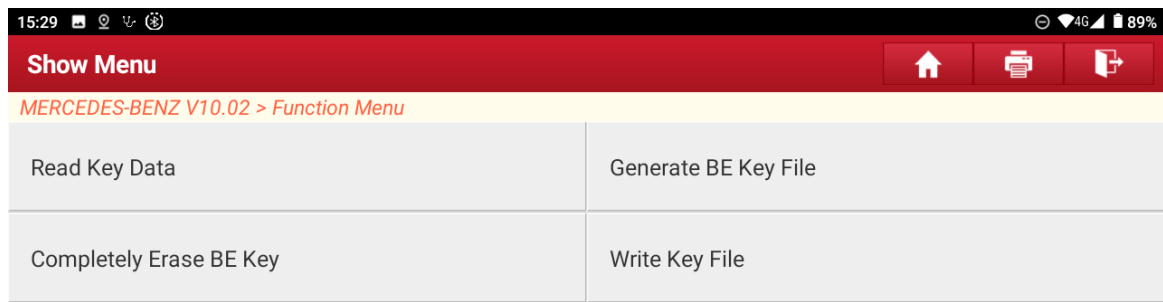


Figure 32

32. After operating according to the prompt, click OK, as shown in the figure below.

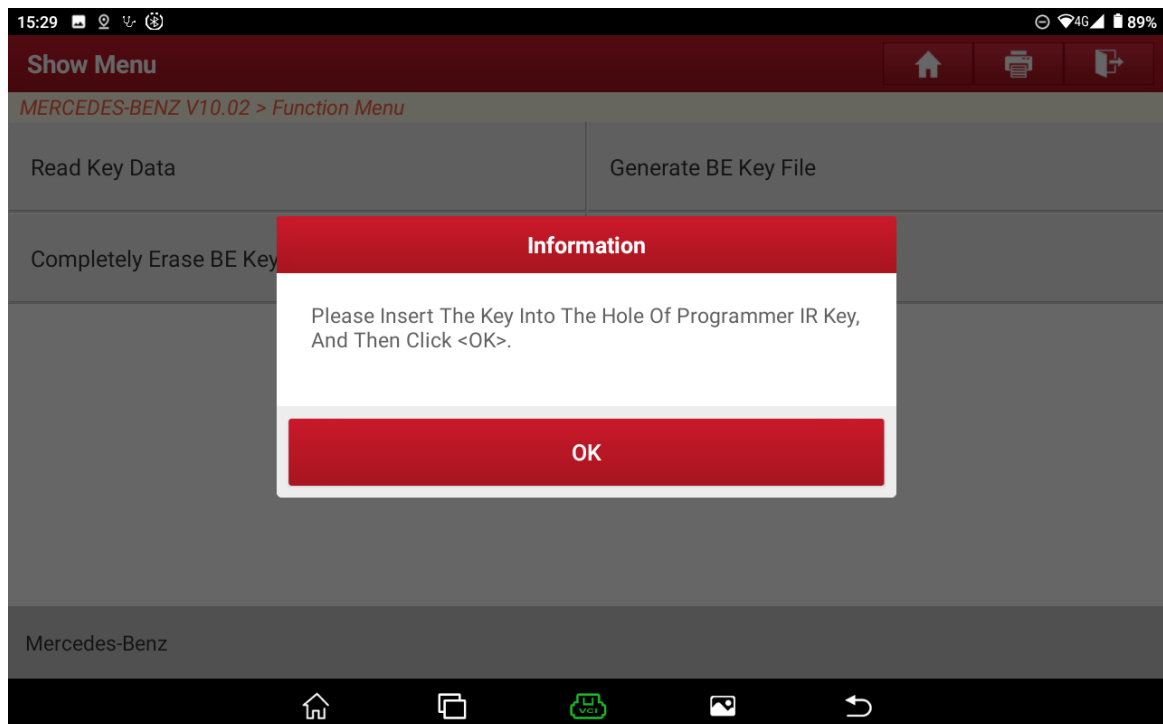


Figure 33

33. Click Yes, as shown in the figure below.

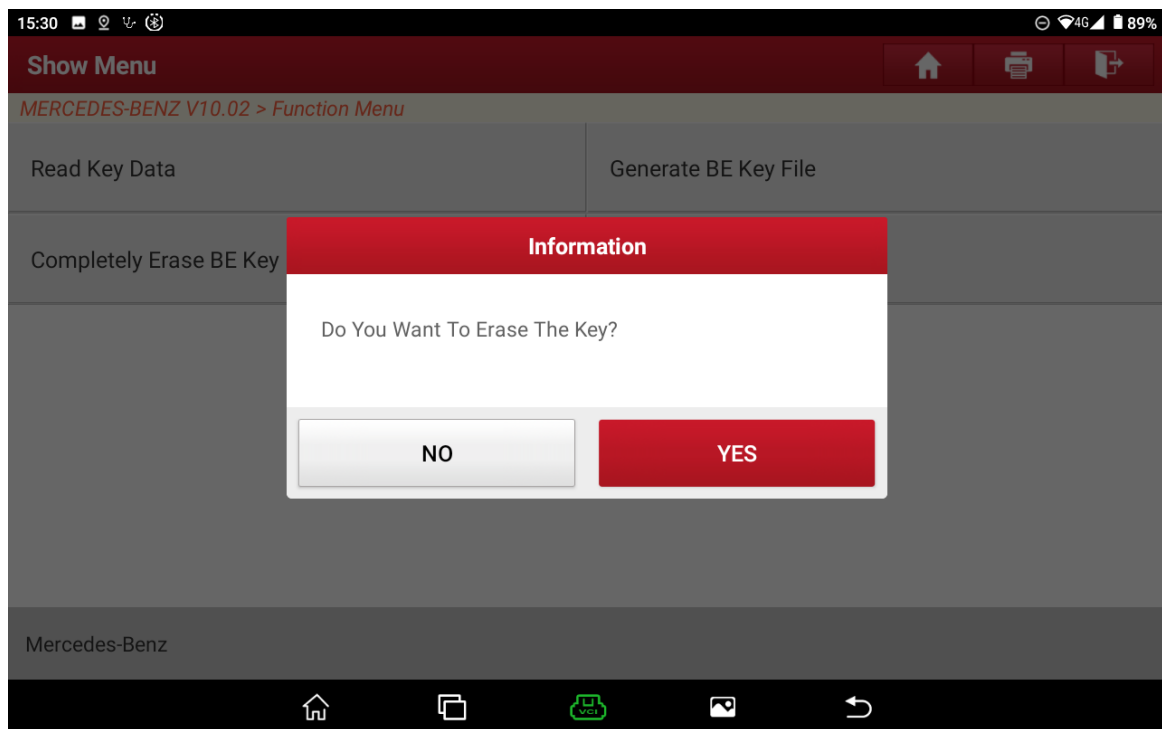


Figure 34

34. Key erasing is successful. Click OK, as shown in the figure below.

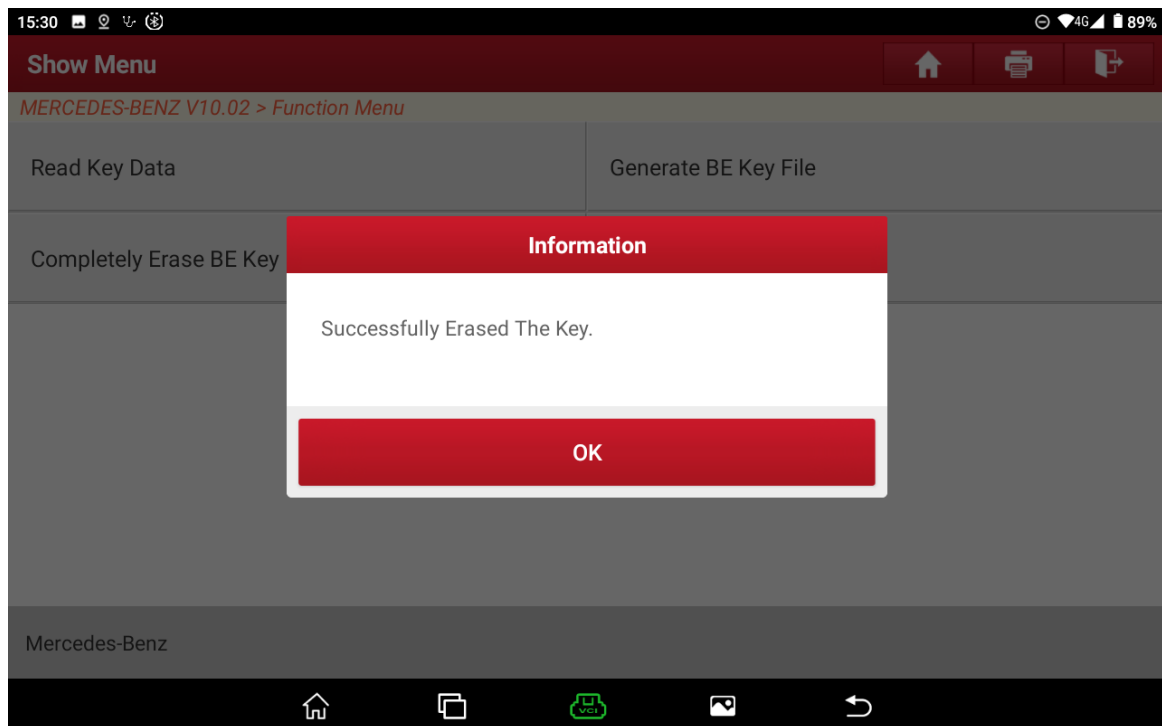


Figure 35

35. Go back to the immobilizer key matching page and click “Write Key File”, as shown in the figure below.

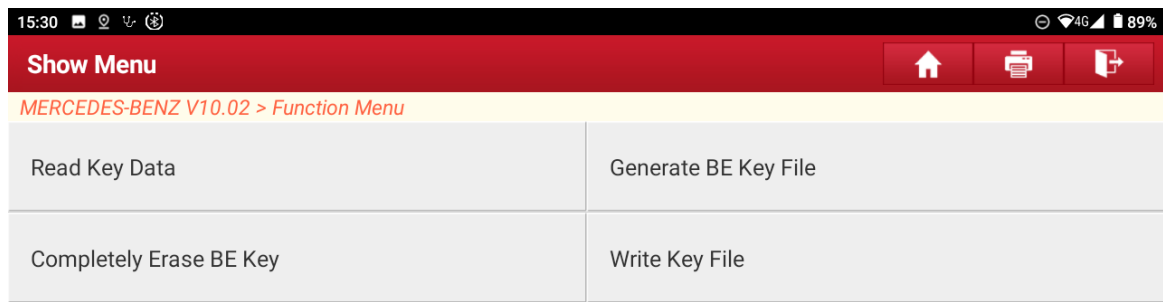


Figure 36

36. After operating according to the prompt, click OK, as shown in the figure below.

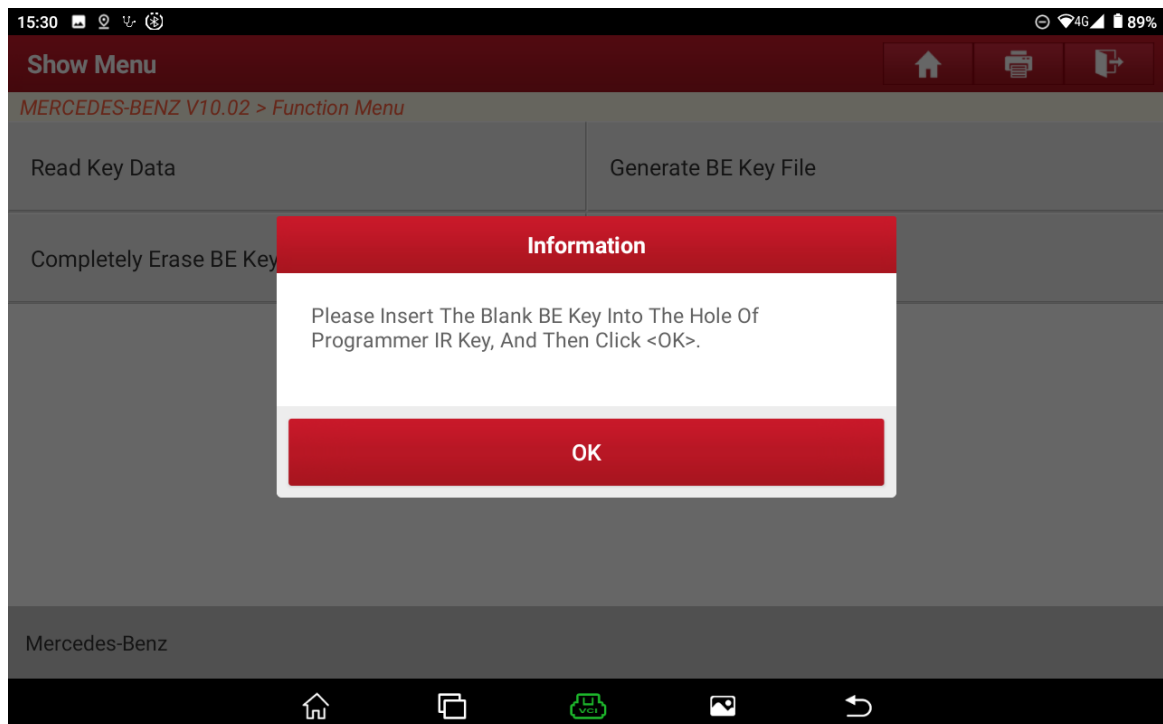


Figure 37

37. Click OK, as shown in the figure below.

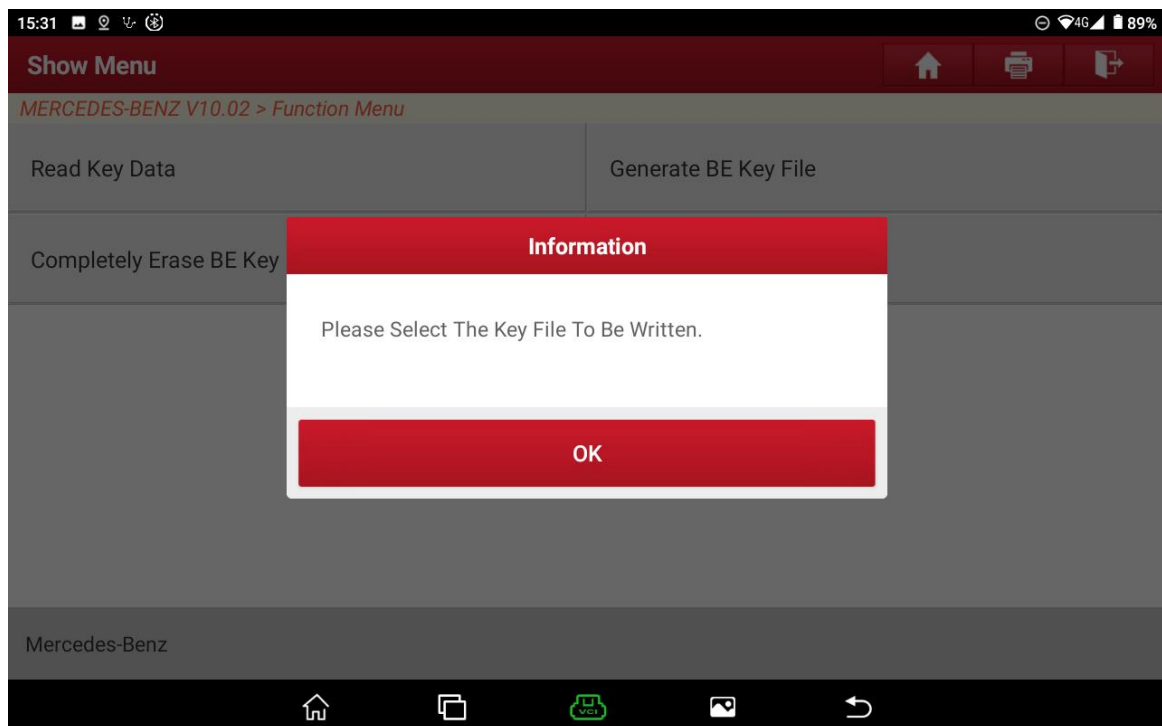


Figure 38

38. Select the BE key file just generated and click OK, as shown in the figure below.

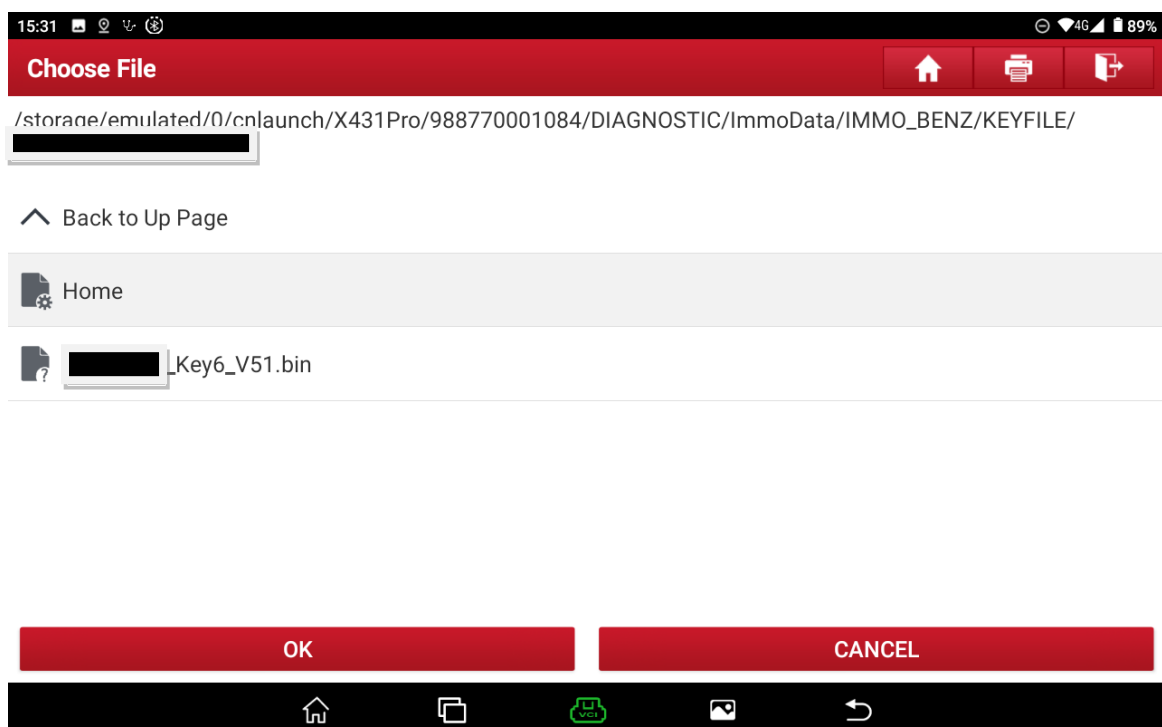


Figure 39

39. Click OK, as shown in the figure below.

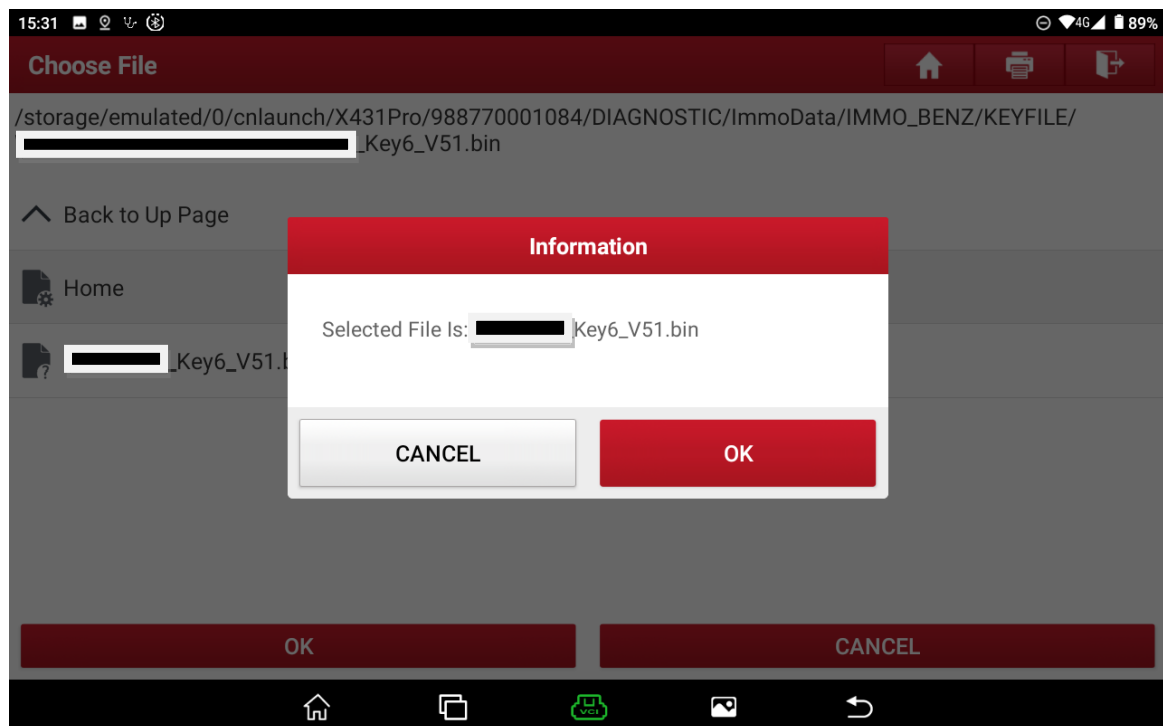


Figure 40

40. The key file is written successfully. Click OK to complete the matching, as shown in the figure below.

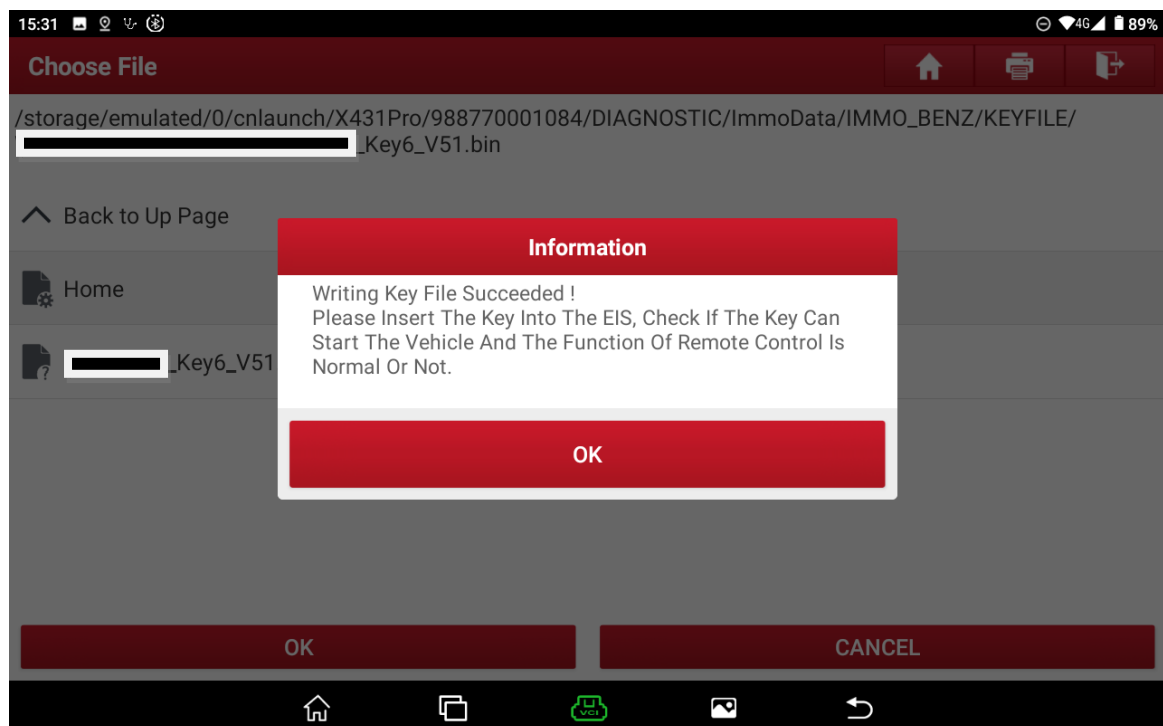


Figure 41

3. All Keys Lost

3.1 Model Coverage

Series	Model	Year	Chassis	All Keys Lost
Benz	A	2012-2014		Supported
Benz	B	2012-2014		Supported
Benz	C	2008-2014		Supported
Benz	E	2009	Saloon car	Supported
Benz	E	2009	Coupe	Supported
Benz	E	2010-2013	212 chassis	Supported
Benz	E	2010-2013	207 chassis	Supported
Benz	SLK/SLC	2011-2014		Supported
Benz	AMG GT	2010-2014		Supported
Benz	SLS	2010-2014		Supported
Benz	M/ML/GLE	2012-2013		Supported
Benz	GLK	2008-2014		Supported
Benz	CLA	2013-2014		Supported
Benz	GLA	2013-2014		Supported

3.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

3.3 Procedure

The following are 204 EIS operations (all keys lost).

1. After accessing the Benz immobilizer software, click "Anti-theft Password Reading", as shown in the figure below.

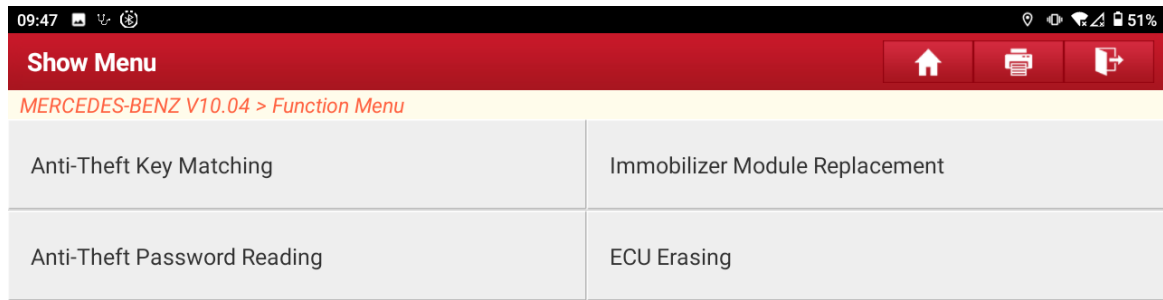


Figure 2

2. Select the menu according to the actual situation. Here, click "Operation On the Platform", as shown in the figure below.

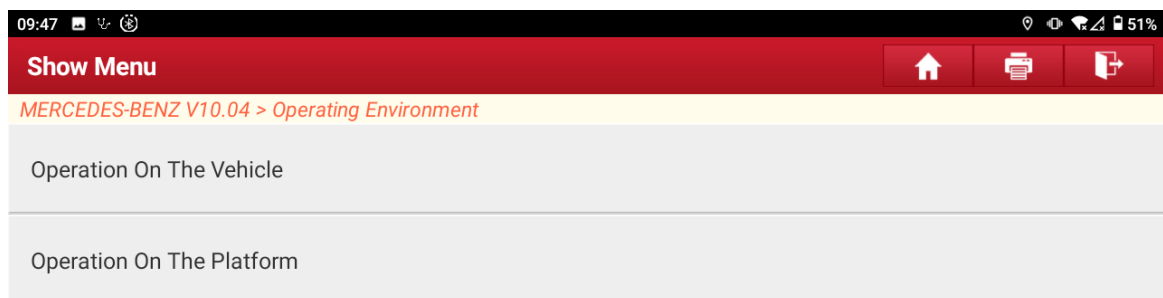


Figure 3

3. Click “(Quick) Calculate Password By Losing All Keys”, as shown in the figure below.

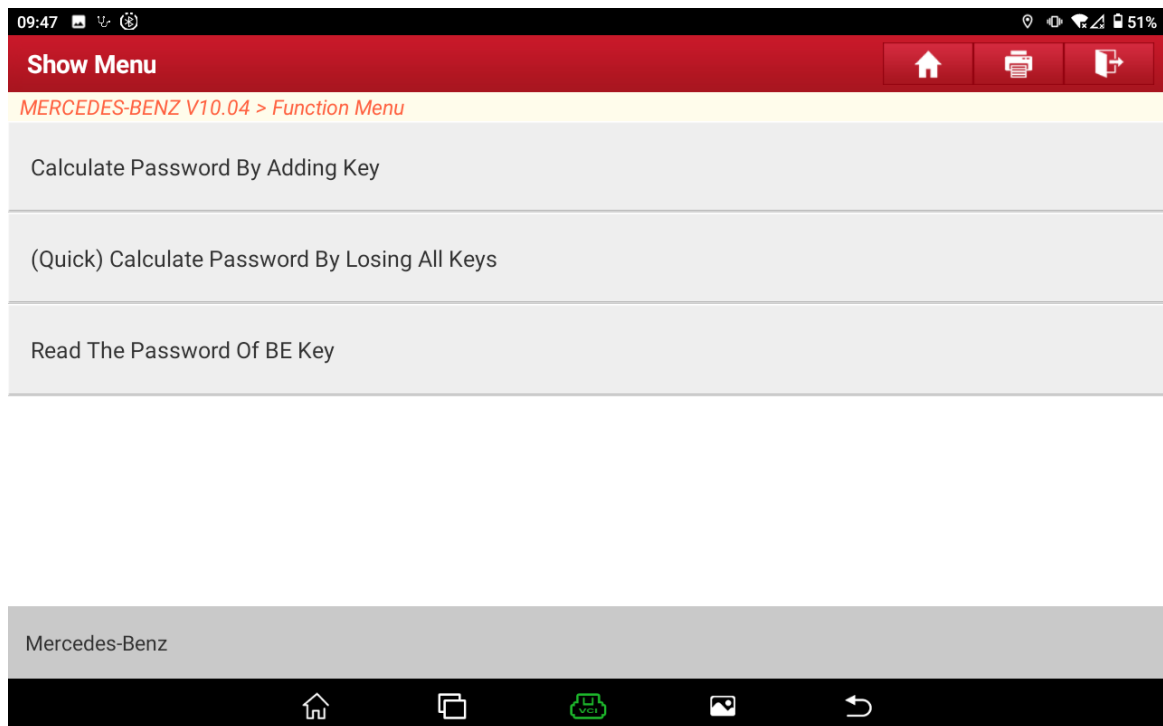


Figure 4

4. Click W204, as shown in the figure below.

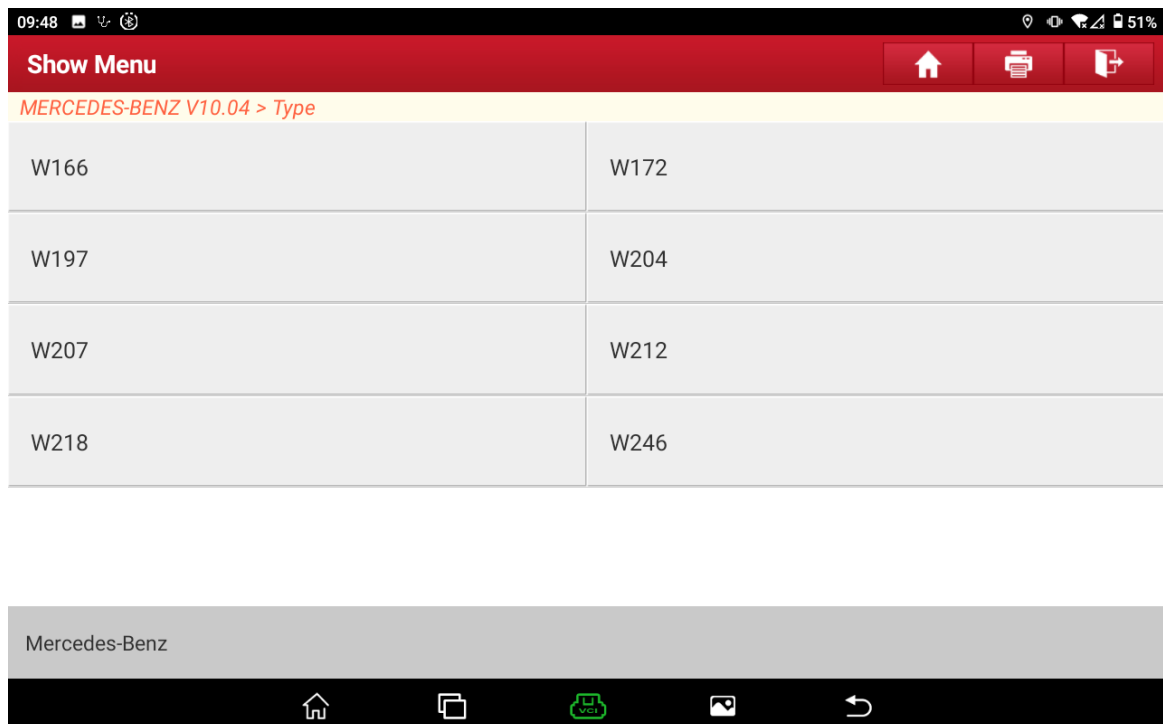


Figure 5

5. Connect according to the wiring diagram, make sure that communication is possible, and click OK, as shown in the figure below.

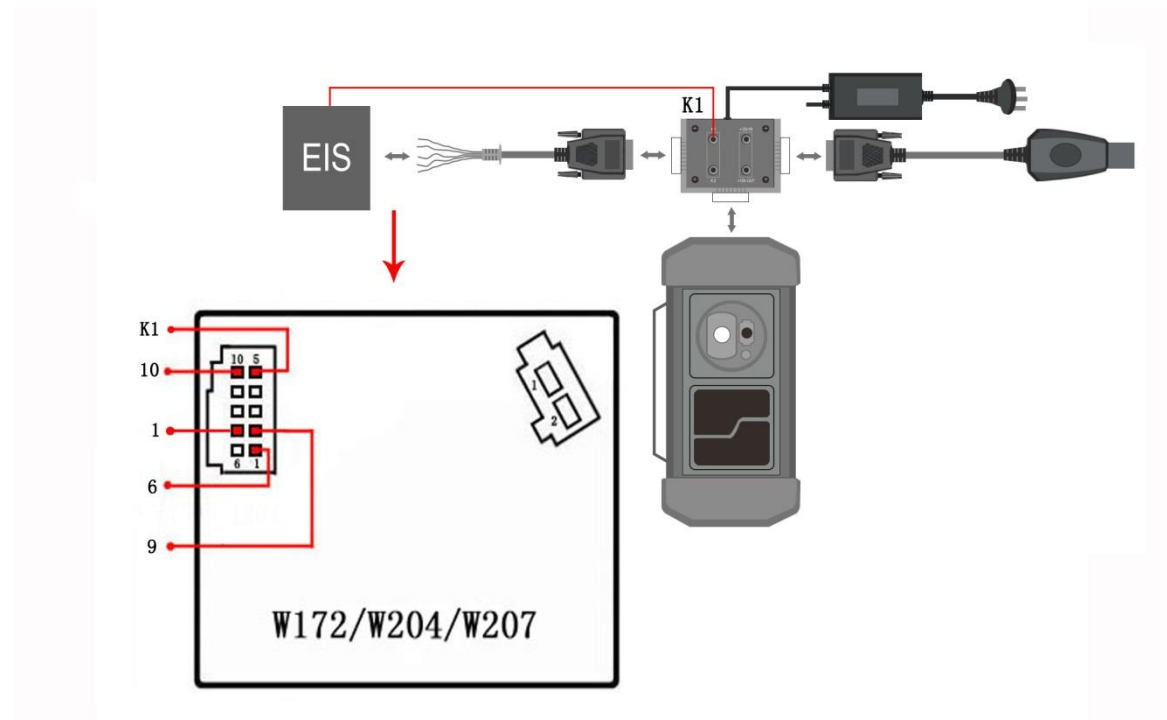


Figure 6

6. When the automatically-identified EIS type is inconsistent with the currently-selected EIS type, check whether the EIS type is correct and whether the EIS connection and communication are normal. This prompt will not appear under normal circumstances, as shown in the figure below.

Information

Automatic Identified Type Of This EIS Is:Unknown
Currently You Selected EIS Type Is:W204
It Is Inconsistent With The Automatic Identified Type, Do
You Want To Continue?

NO

YES

Figure 7

7. The following is the prompt under normal circumstances. Select Bluetooth or wired connection to connect the communication connector according to your needs. The default is Bluetooth, and then click OK, as shown in the figure below.

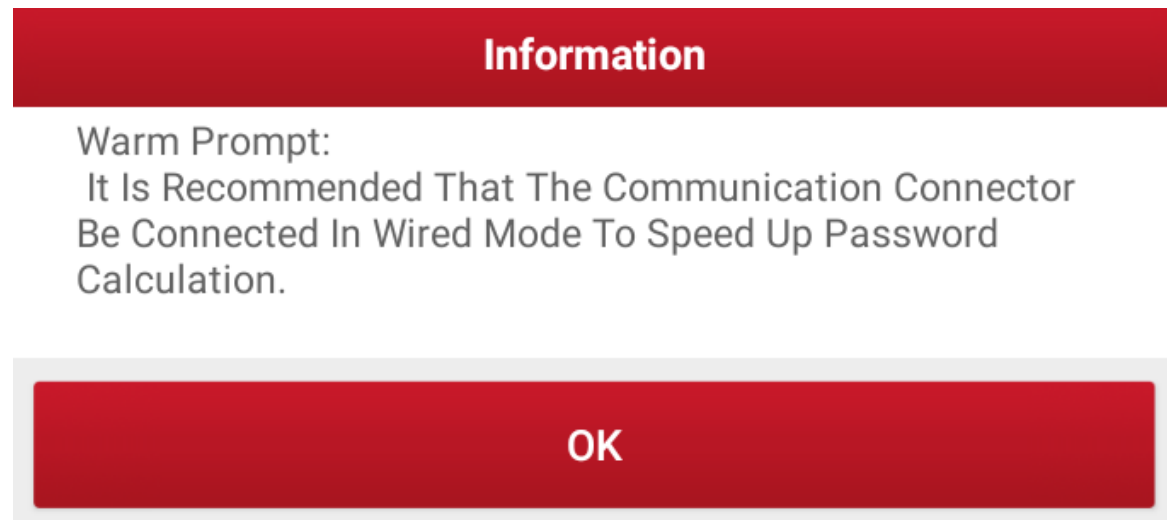


Figure 8

8. After understanding the precautions, click OK, as shown in the figure below.

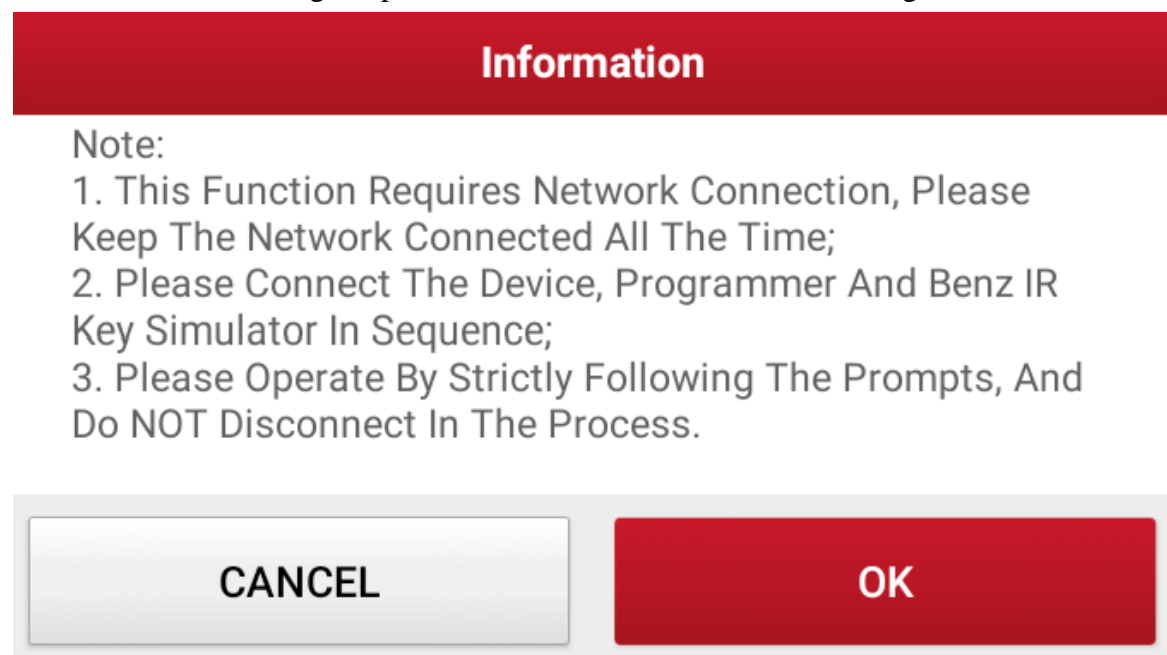


Figure 9

9. Click OK after following the prompts, as shown in the figure below.

Information

Please Confirm That The EIS Has Disconnected With ELV,
And Then Click <OK> Button.

OK

Figure 10

10. After operating according to the prompt, it will be executed automatically, as shown in the figure below.

Notes



Please Insert Benz IR Key Simulator Into The EIS. If It
Is Already Inserted, Please Pull Out And Then Insert
Again .

END SESSION

Figure 11

11. Collecting data...as shown in the figure below.

Notes



Collecting Password Calculation Data, Connecting 1
Packet Data, Please Wait.
It Takes 5-10 Minutes. Please Wait And Operate As
Prompted.

END SESSION

Figure 12

12. After operating according to the prompt, click OK, as shown in the figure below.

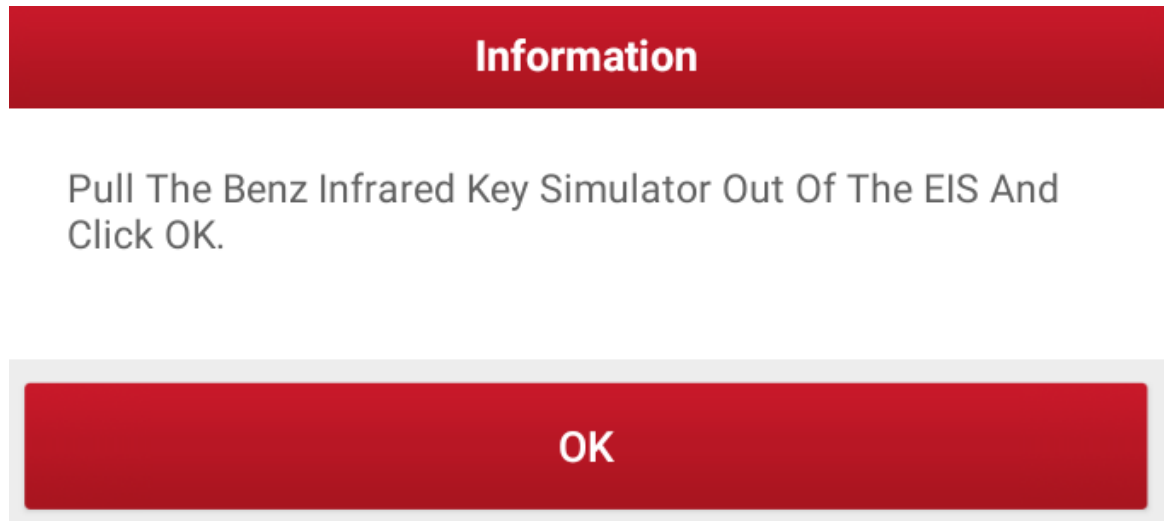


Figure 13

13. Networking to upload data...as shown in figure below.

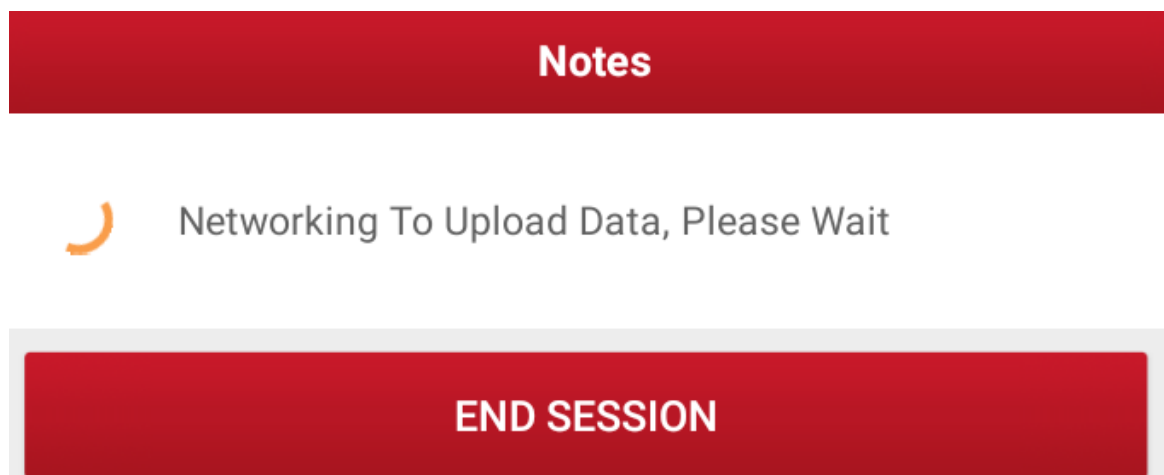


Figure 14

14. After the password is calculated, take screenshots or take pictures, and then click OK, as shown in the figure below.

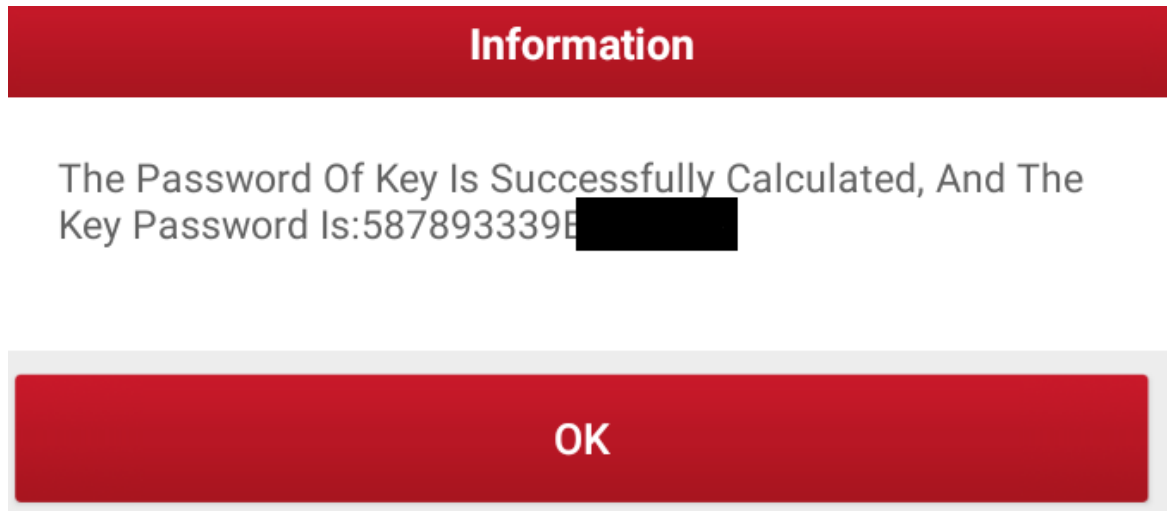


Figure 15

15. Click Yes, as shown in the figure below.

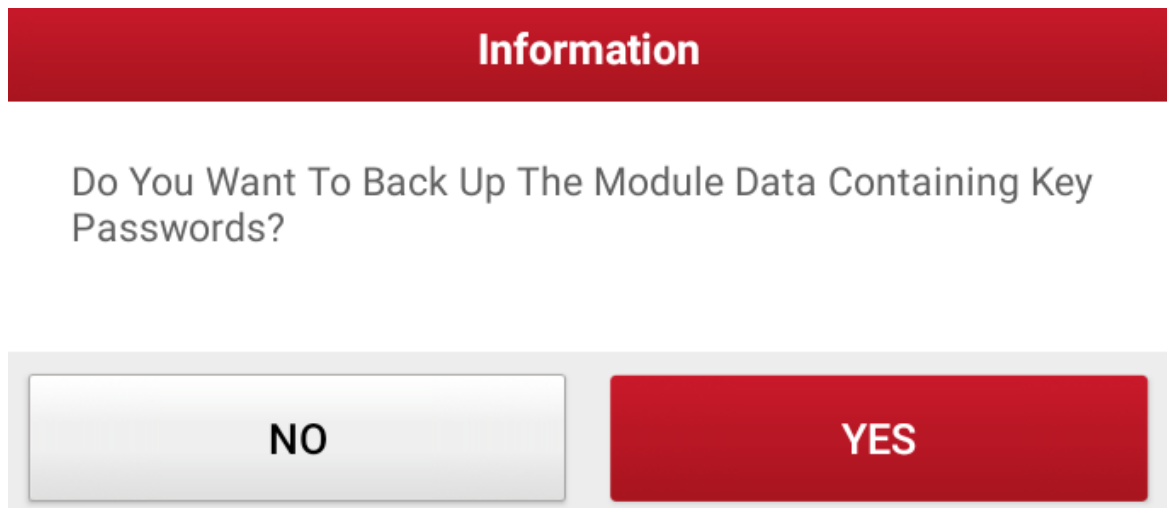


Figure 16

16. After the file is named and saved, click OK, as shown in the figure below.

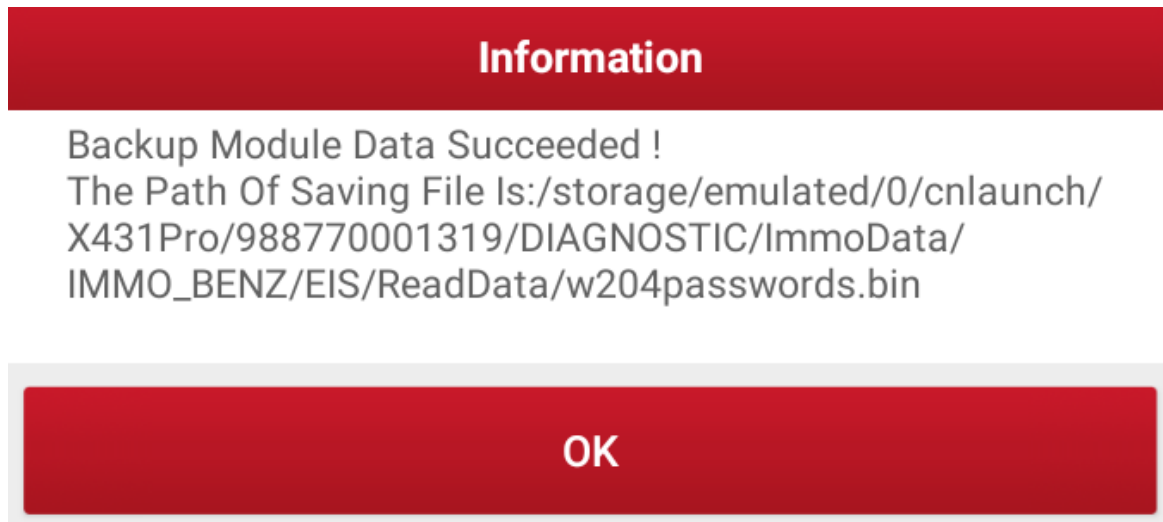


Figure 17

17. Go back to the initial page and click "Anti-theft Key Matching", as shown in the figure below.

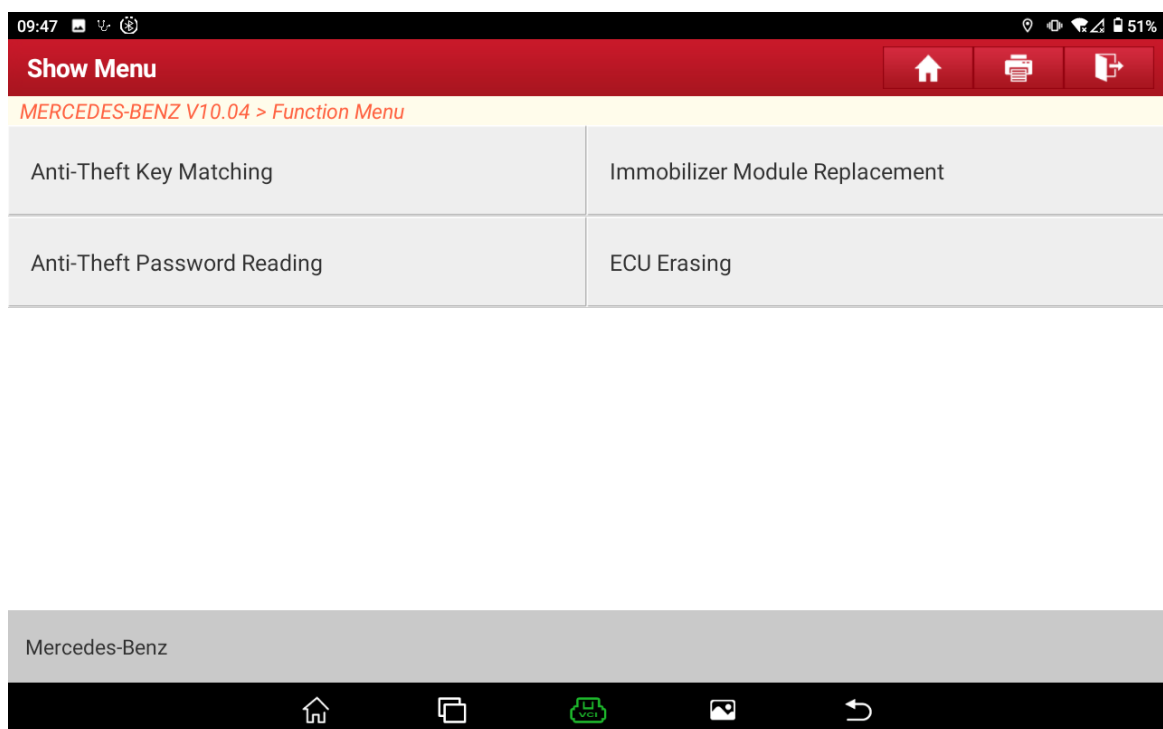


Figure 18

18. Click "Generate BE Key File", as shown in the figure below.

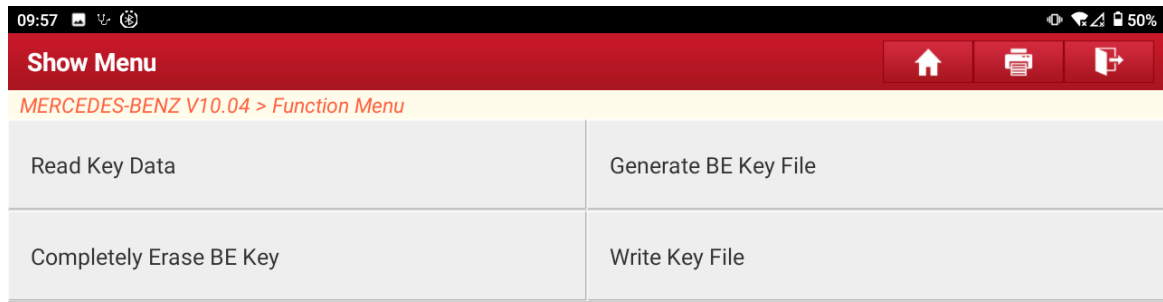


Figure 19

19. Click OK, as shown in the figure below.

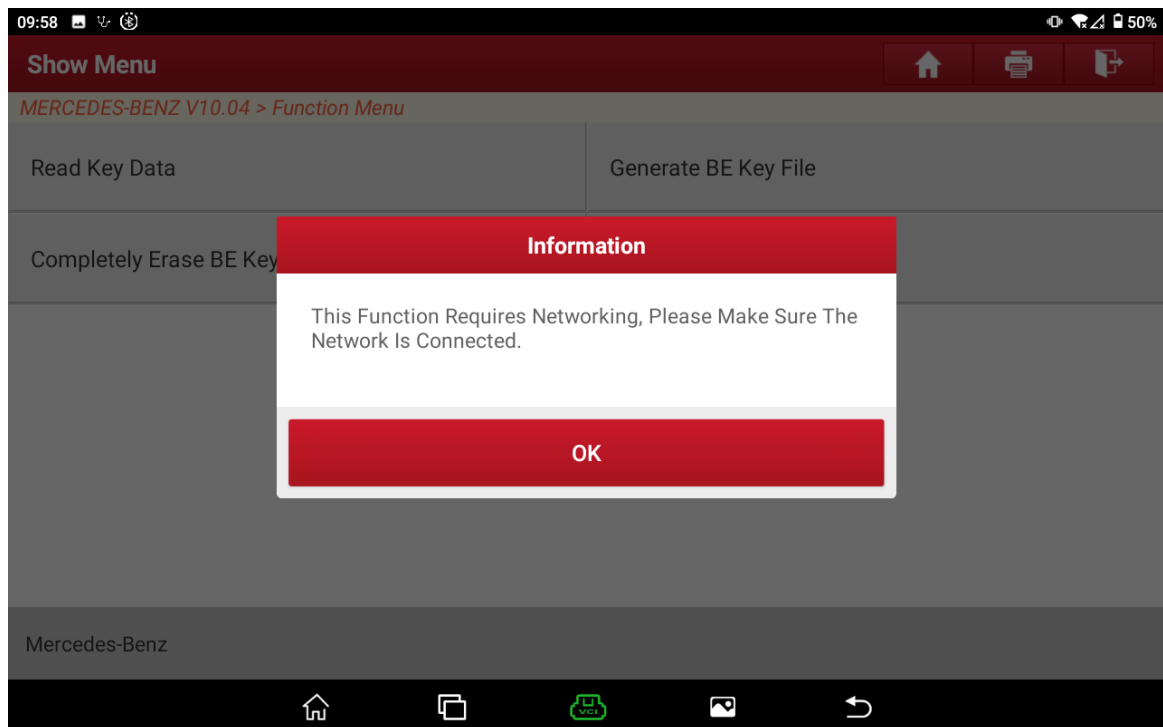


Figure 20

20. Click OK, as shown in the figure below.

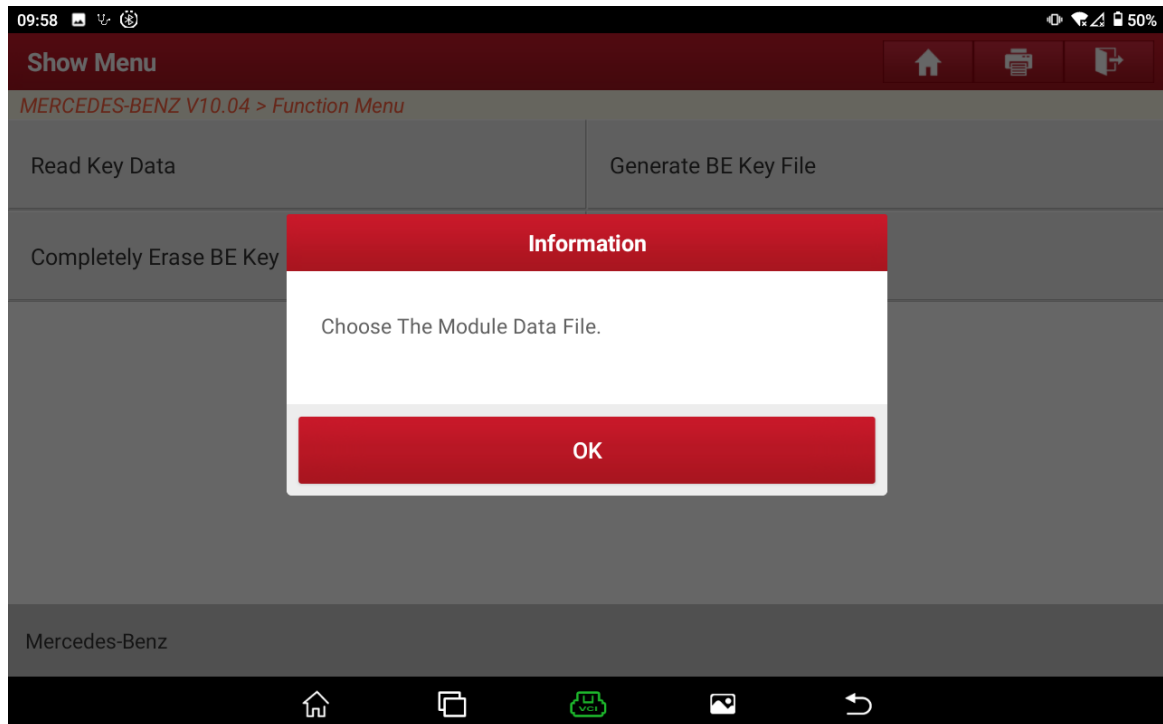


Figure 21

21. Select the file where the calculated password is saved, and click OK, as shown in the figure below.

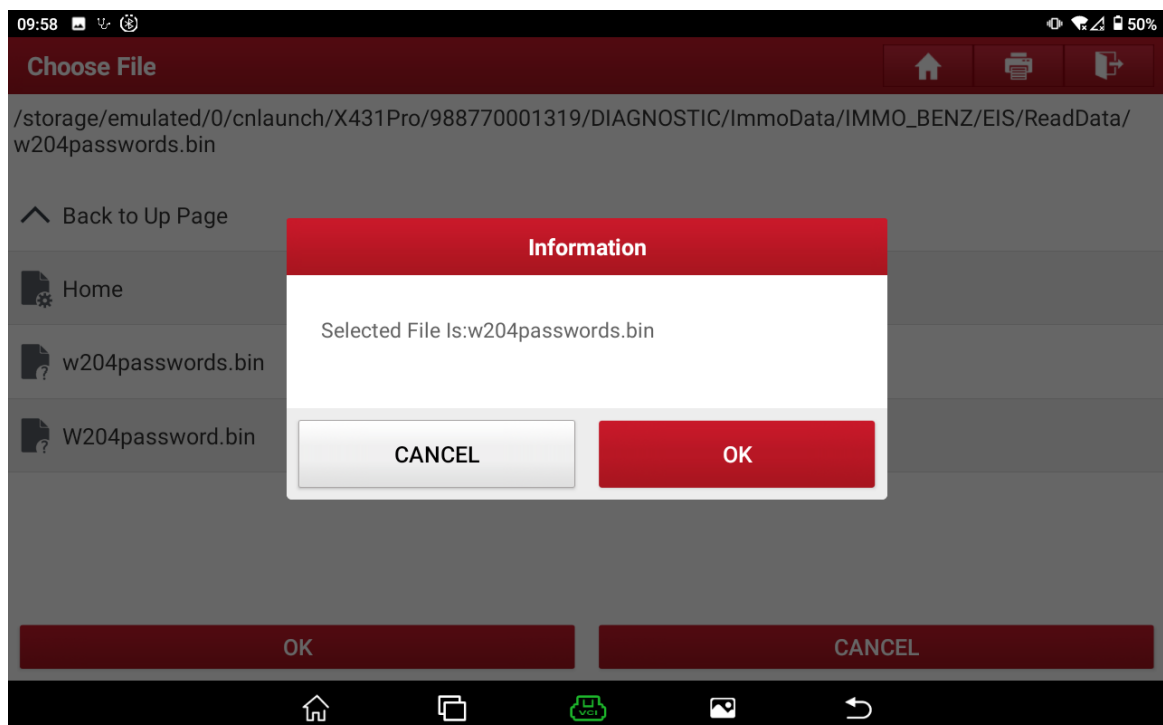


Figure 22

22. After confirming the password, click OK, as shown in the figure below.

09:58

Key Password

Please Input 16-digit Password Of The Key :

58 78 93 33 9

Mercedes-Benz

Confirm

Figure 23

23. Click OK, as shown in the figure below.

09:59

Key Information

MERCEDES-BENZ V10.04 > Key Information

Key Position	Status	Status
The Last Use Key Bit	Key Position 3	
Key 1	Unused	Not Disabled
Key 2	Unused	Not Disabled
Key 3	Used	Not Disabled
Key 4	Unused	Not Disabled

OK

Mercedes-Benz

Figure 24

24. Click OK, as shown in the figure below.

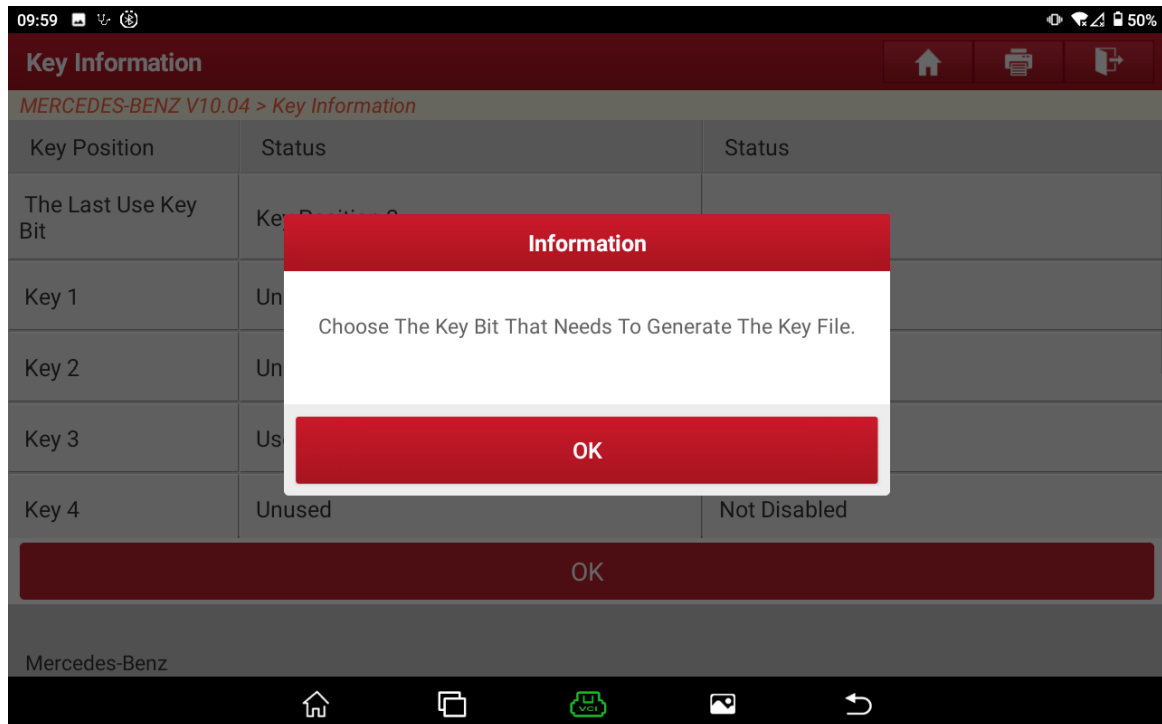


Figure 25

25. Select according to your needs. Here, select "Key 6" and then click OK, as shown in the figure below.

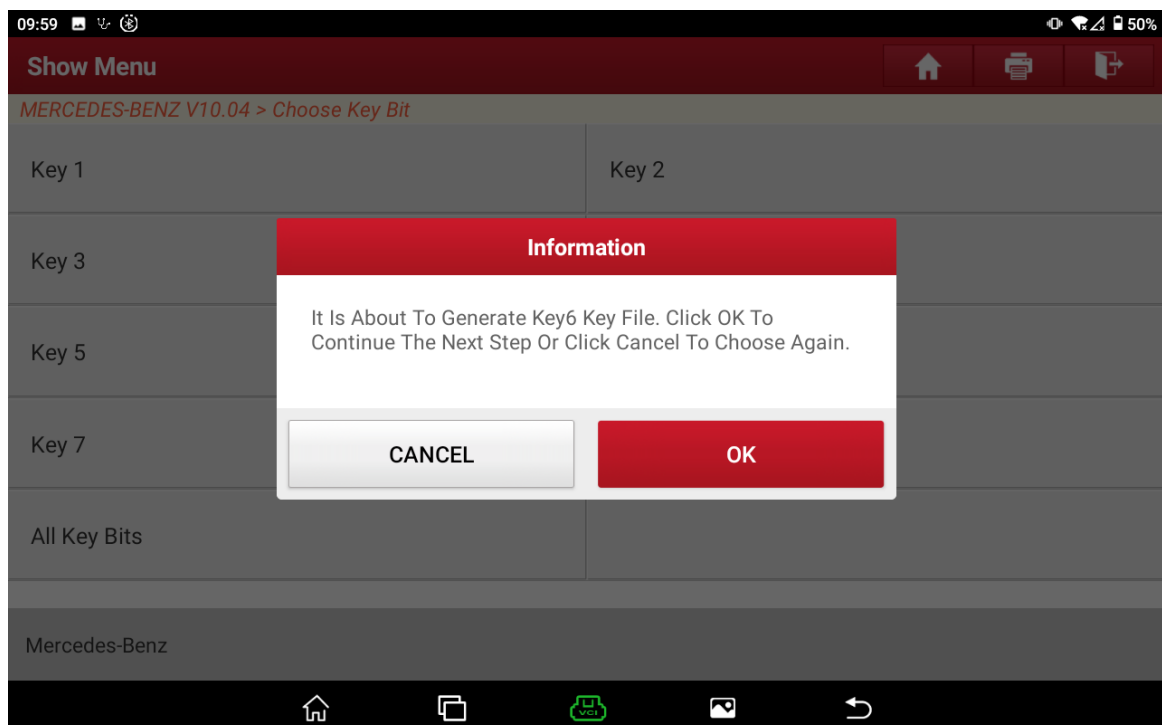


Figure 26

26. Networking to generate a key file...as shown in the figure below.

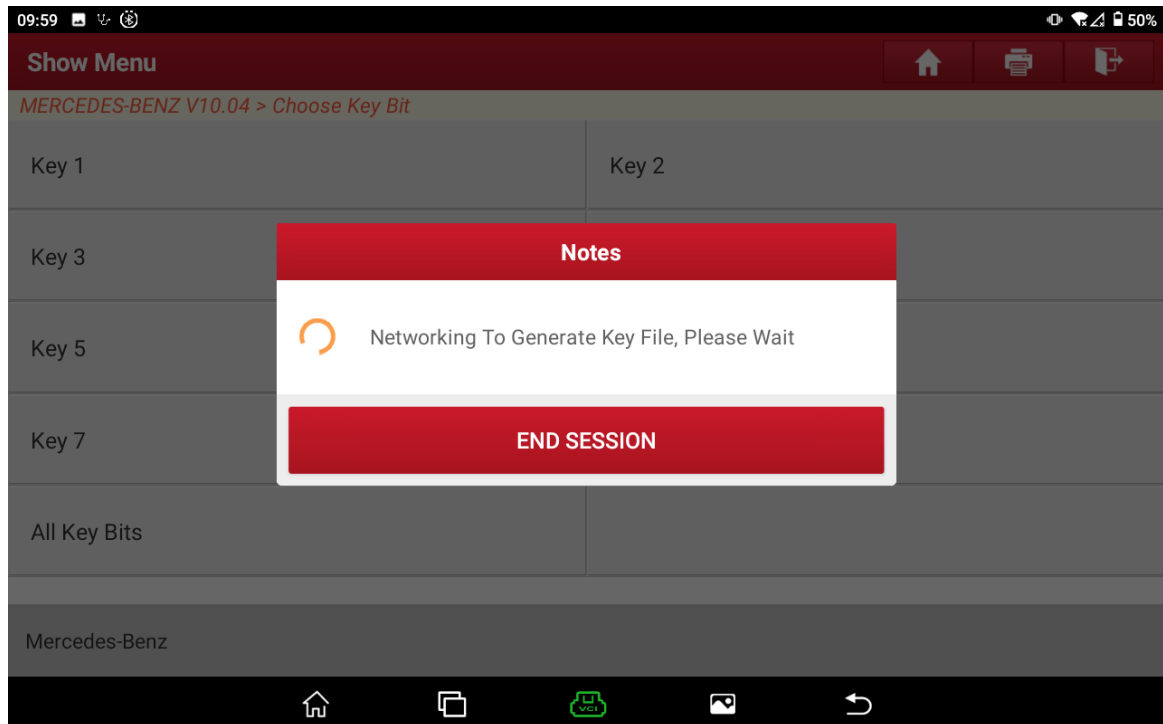


Figure 27

27. The key file is successfully generated. Write down the file name and click OK, as shown in the figure below.

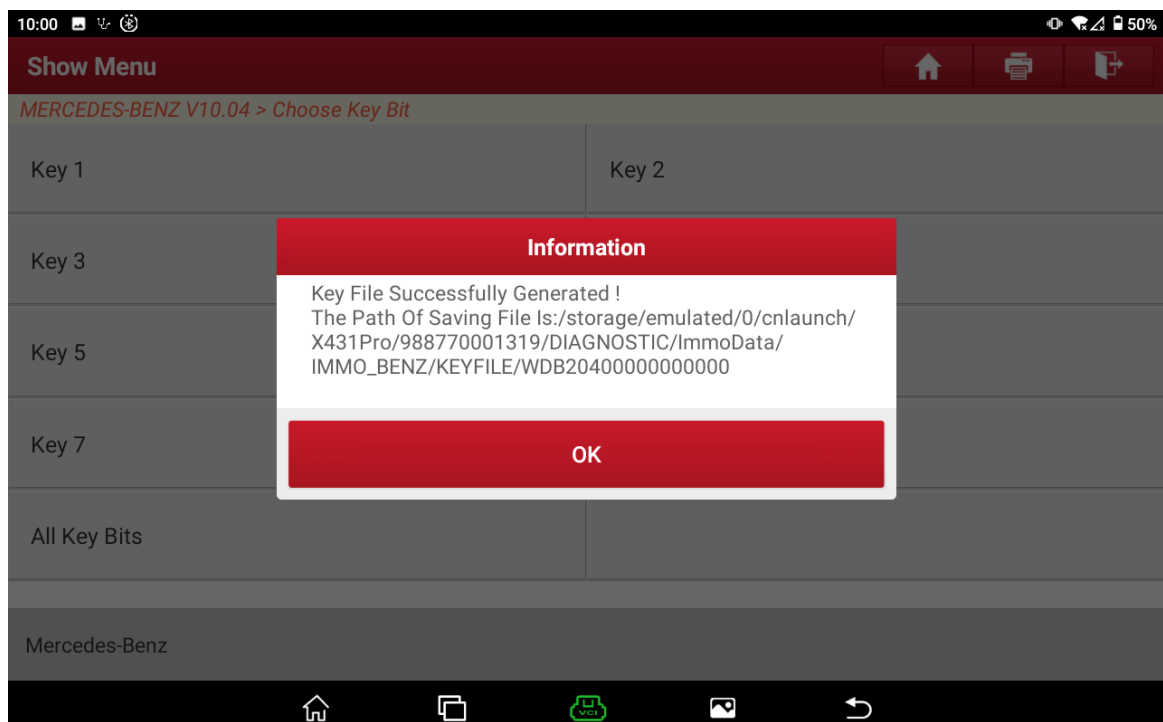


Figure 28

28. Select according to your needs. Here, click No, as shown in the figure below.

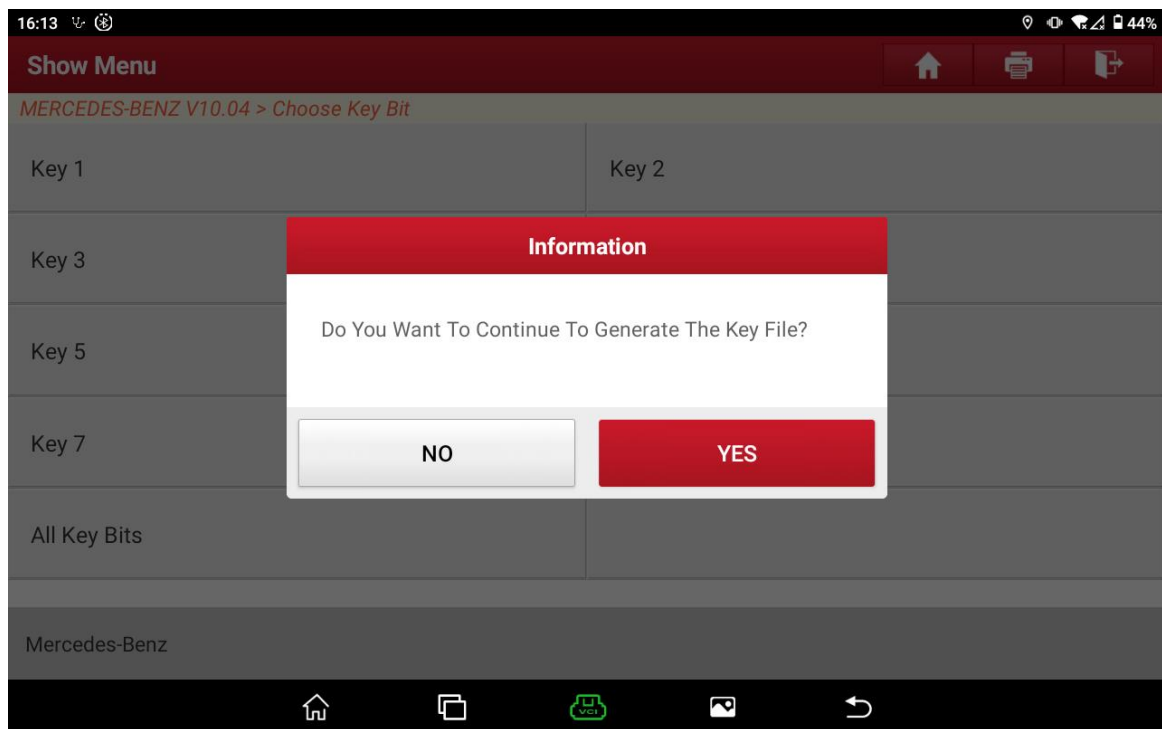


Figure 29

29. Go back to the immobilizer key matching page. The BE key can be written without erasing. Click "Write Key File", as shown in the figure below.

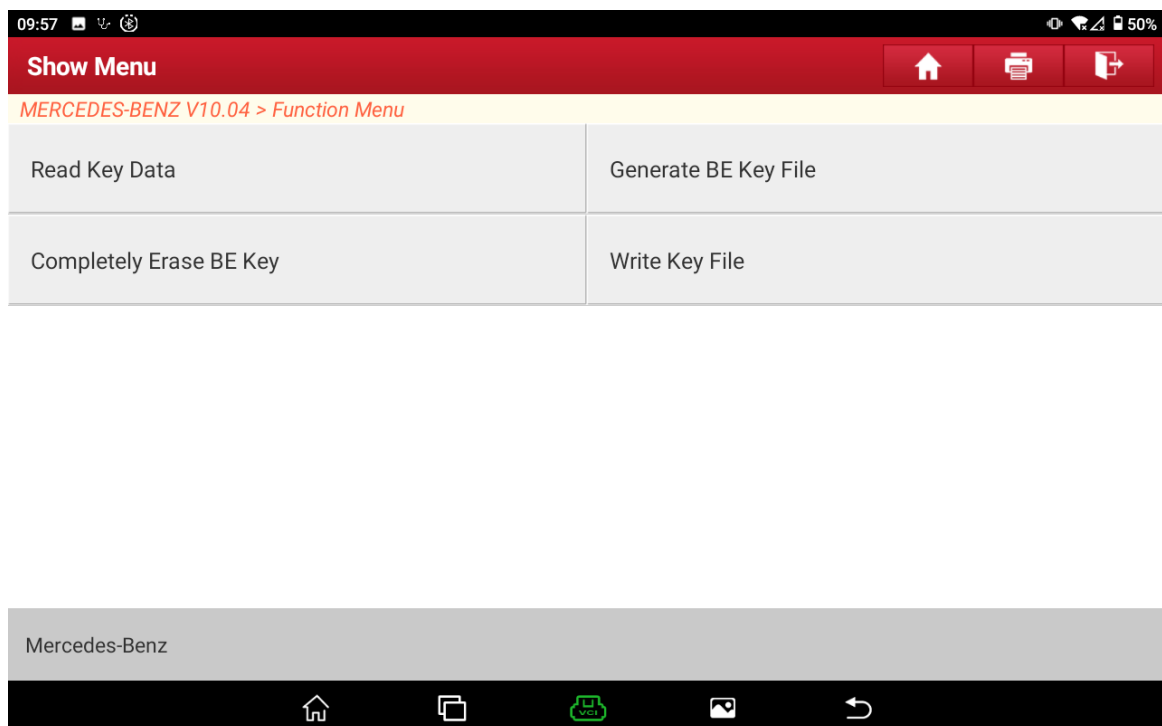


Figure 30

30. After operating according to the prompt, click OK, as shown in the figure below.

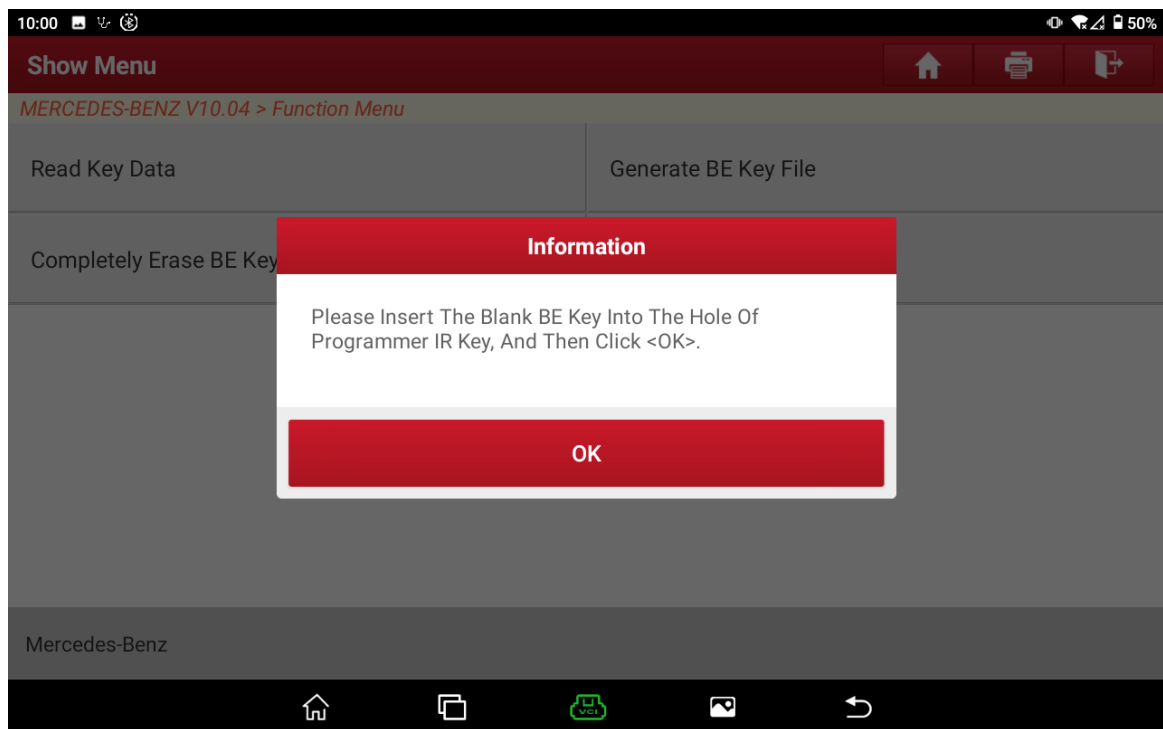


Figure 31

31. Click OK, as shown in the figure below.

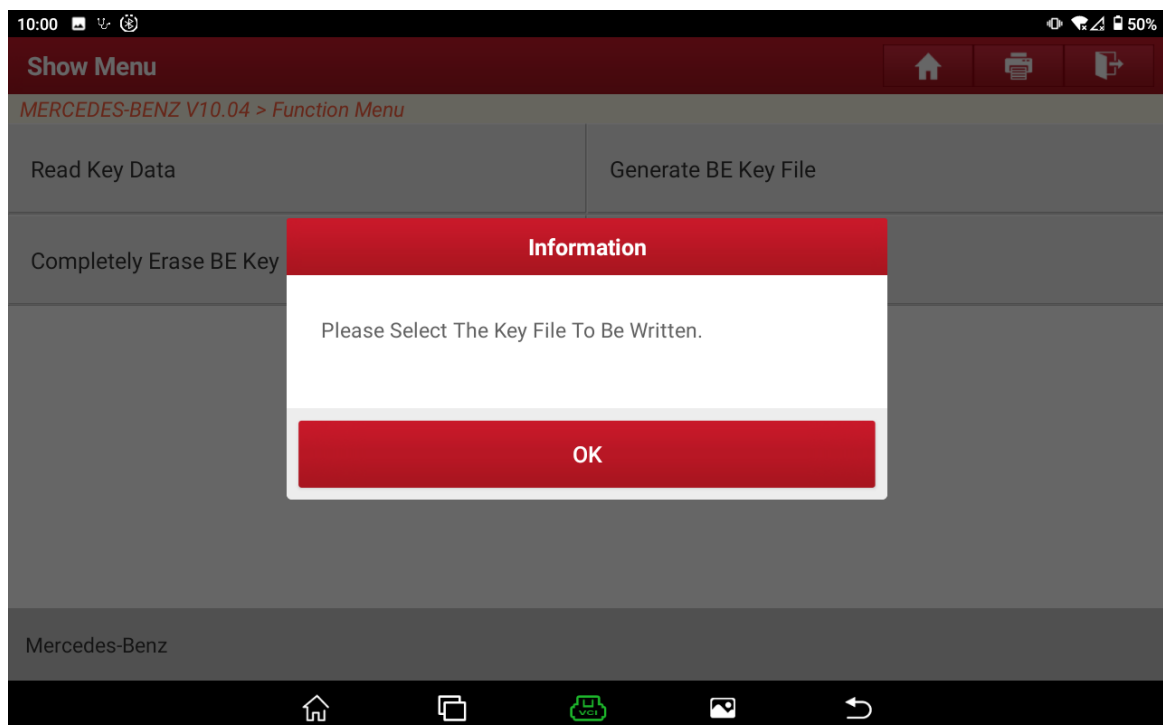


Figure 32

32. Select the BE key file just generated and click OK, as shown in the figure below.

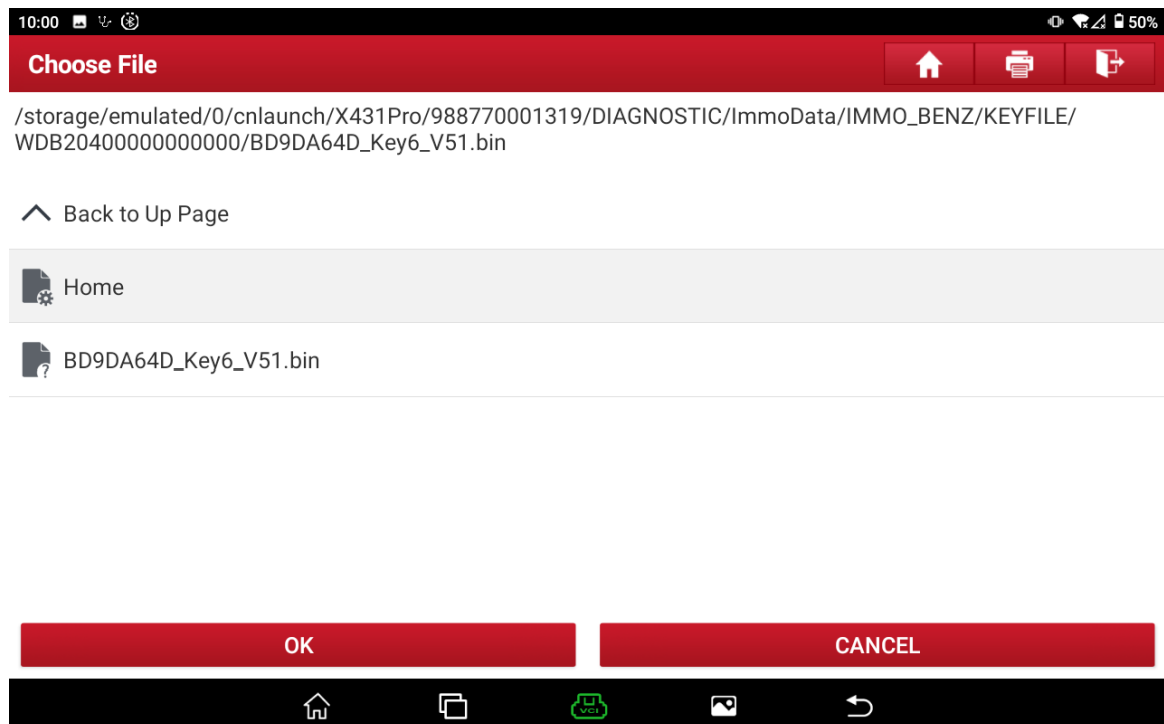


Figure 33

33. Click OK, as shown in the figure below.

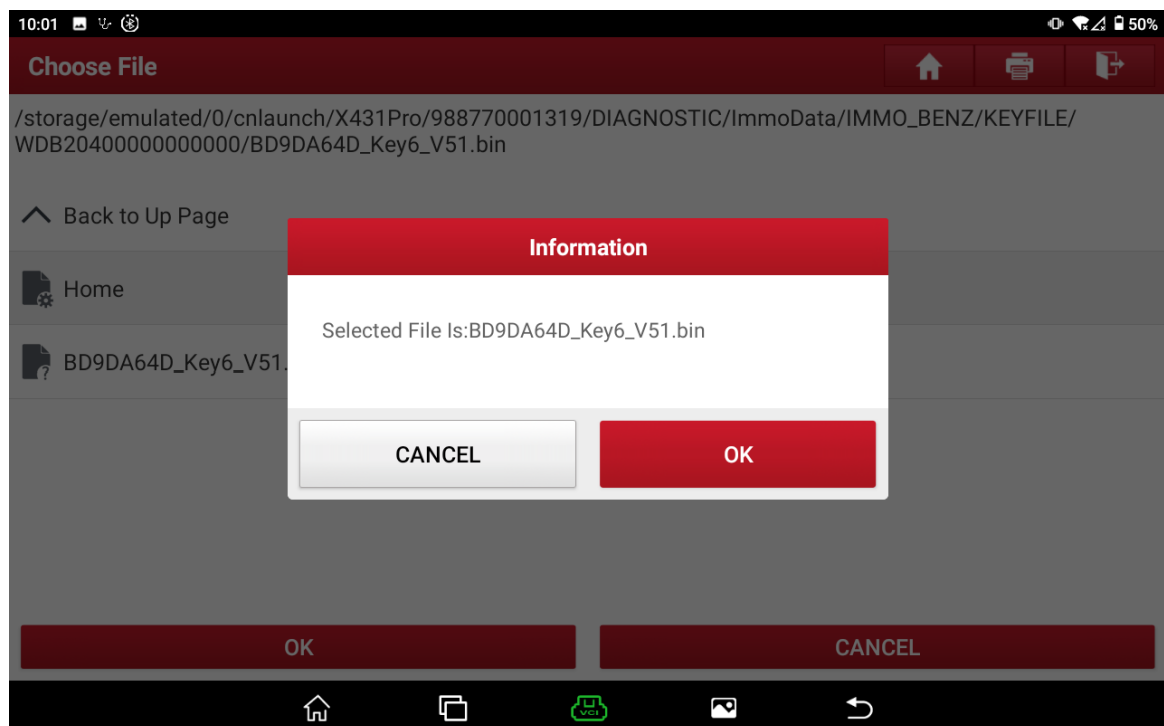


Figure 34

34. The key file is written successfully. Click OK to complete the matching, as shown in the figure below.

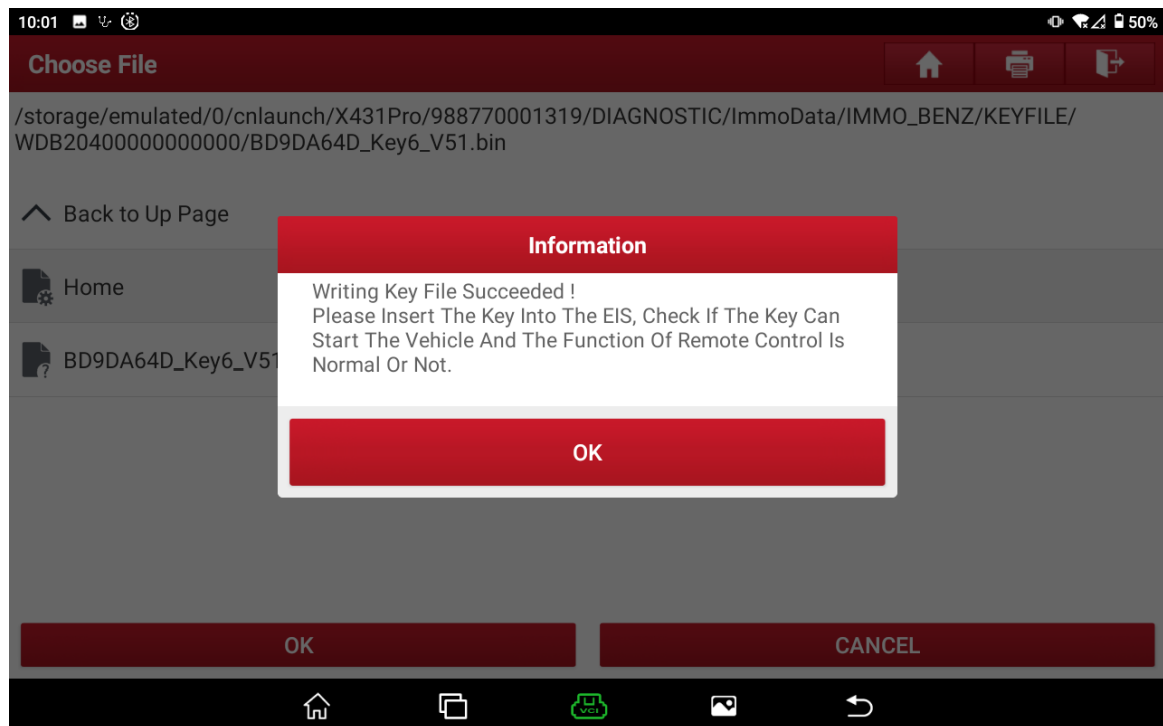


Figure 35

4. Gearbox Computer Erasing

4.1 Model Coverage

Gearbox (VGS-NAG2)
Gearbox (VGS2-NAG2)
Gearbox (VGS3-NAG2)

4.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

4.3 Procedure

The following is about vgs3 nag2 erasing.

1. Click “ECU Erasing”, as shown in the figure below.

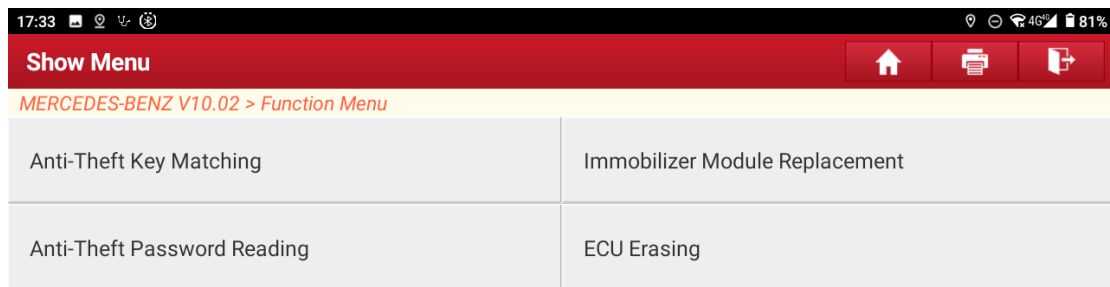


Figure 2

2. Click “Transmission Control Unit (TCU)”, as shown in the figure below.

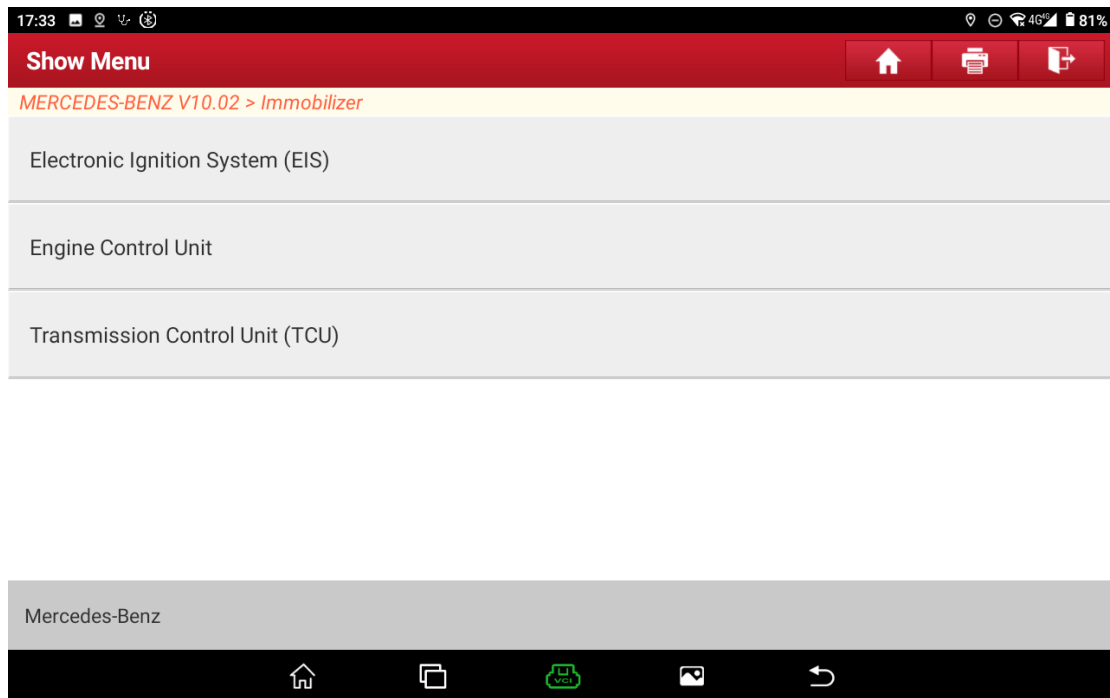


Figure 3

3. Click “Wiring Diagram”, as shown in the figure below.

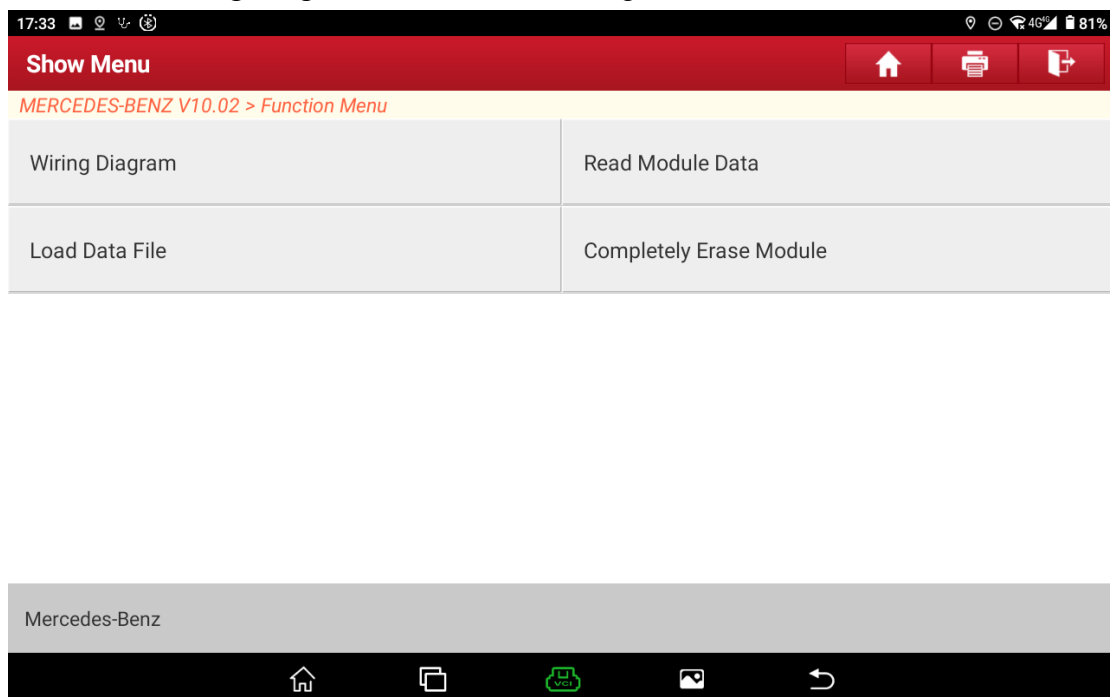


Figure 4

4. After removing the module and connecting it according to the wiring diagram, click OK, as shown in the figure below.

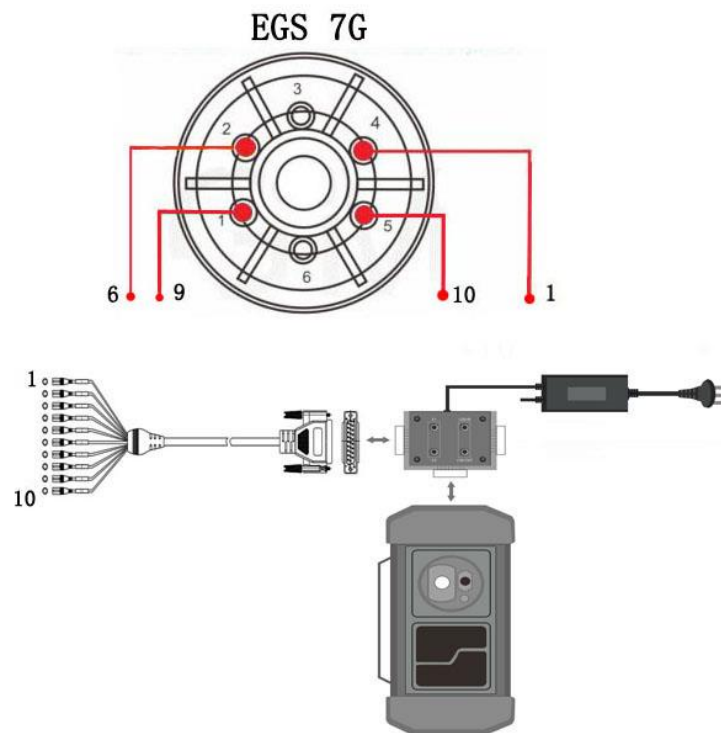


Figure 5

5. Click “Completely Erase Module”, as shown in the figure below.

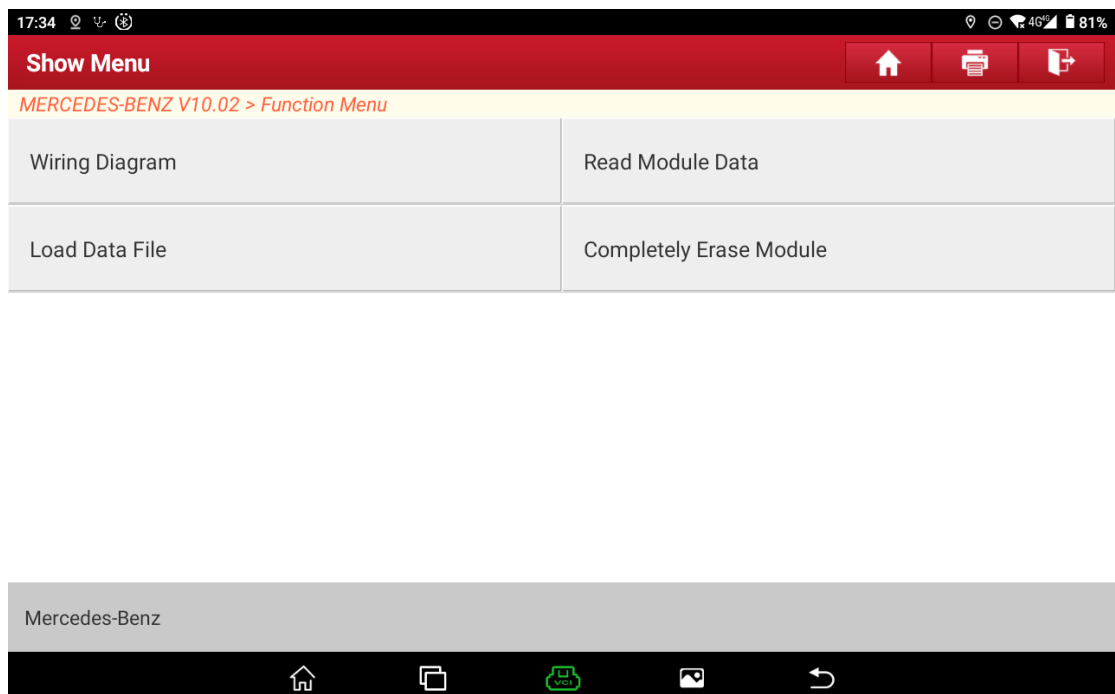


Figure 6

6. Click OK, as shown in the figure below.

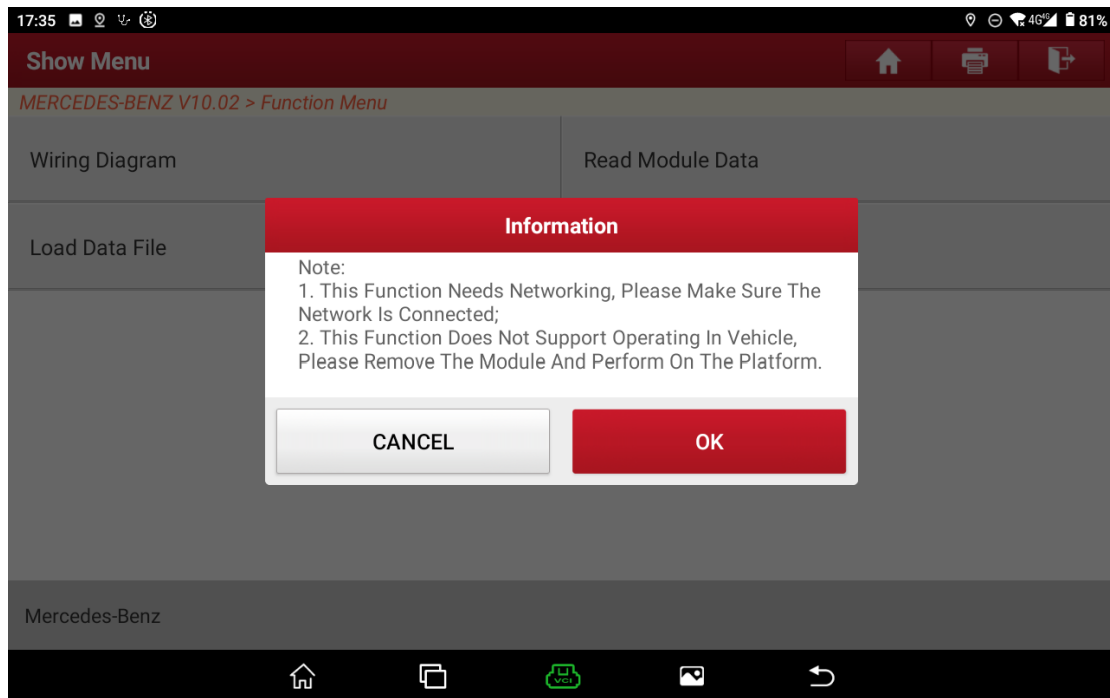


Figure 7

7. The gearbox information before erasing is displayed. Click OK to start erasing, as shown in the figure below.

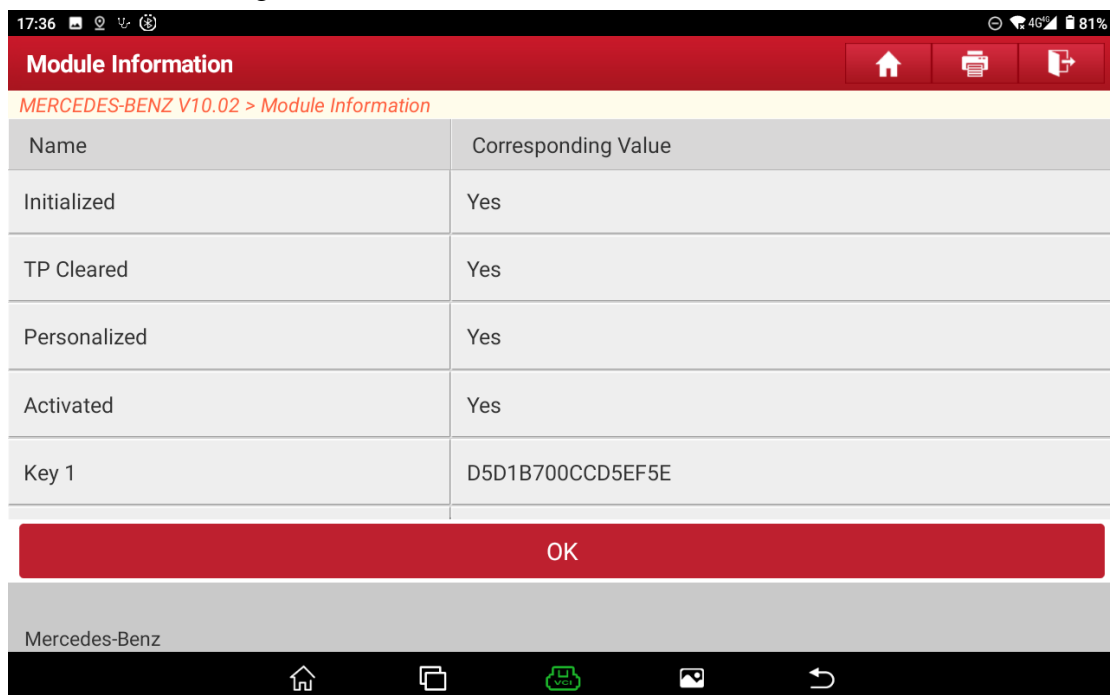


Figure 8

8. Choose whether to back up data according to your needs. Click “NO” here, as shown in the figure below.

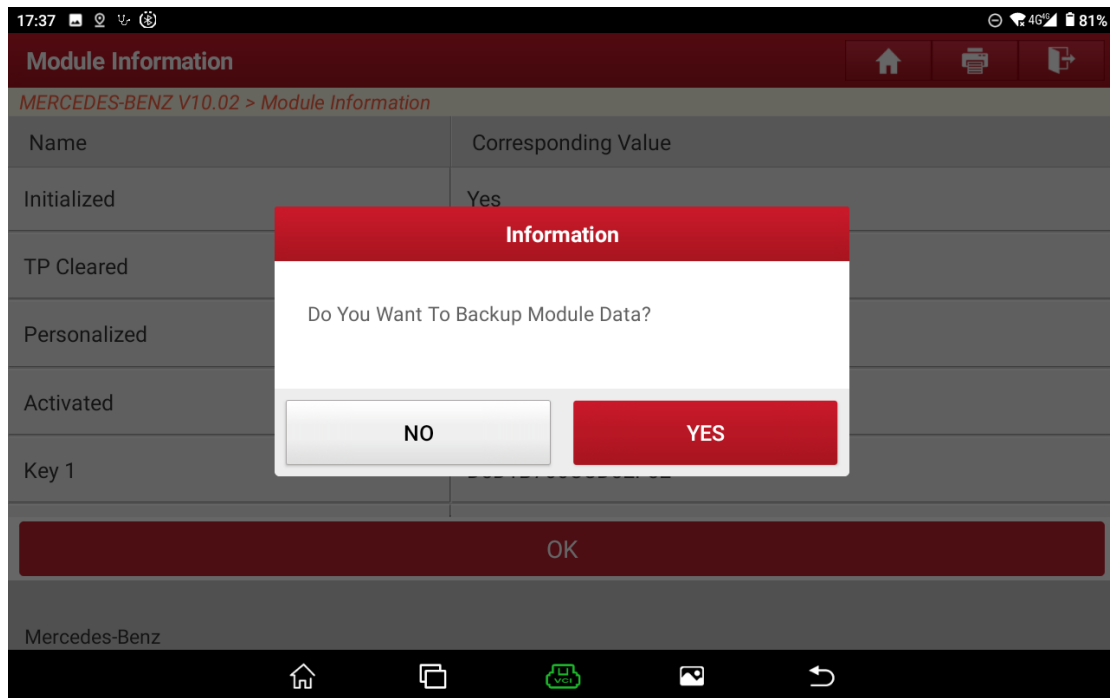


Figure 9

9. Click “YES”, as shown in the figure below.

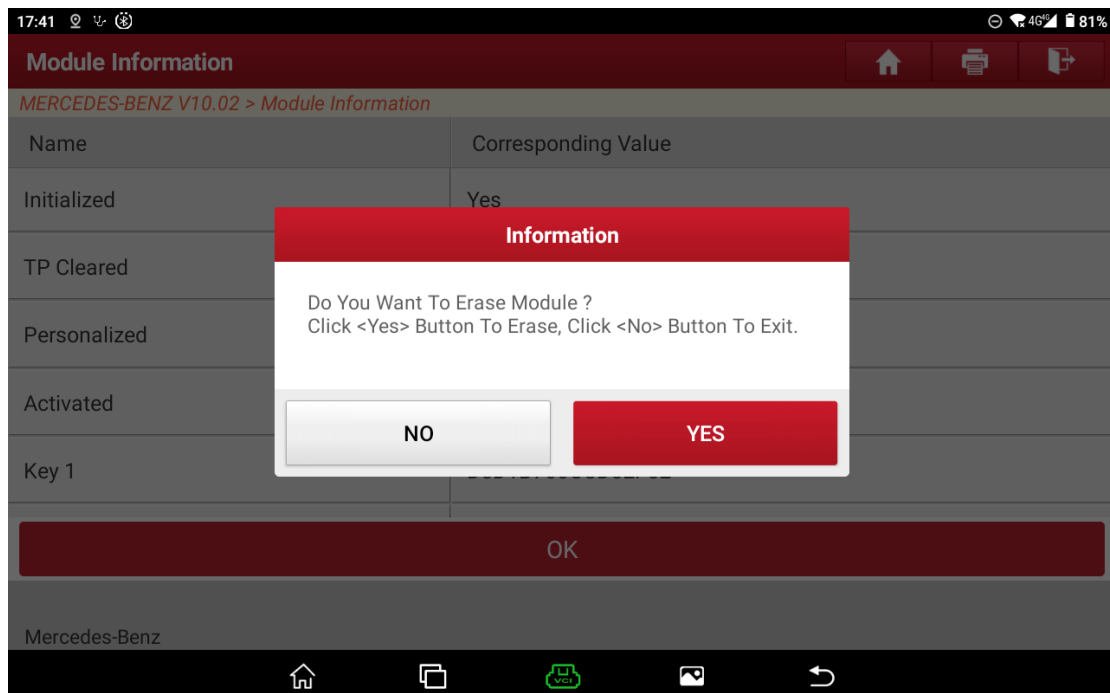


Figure 10

10. Erasing...as shown in the figure below.

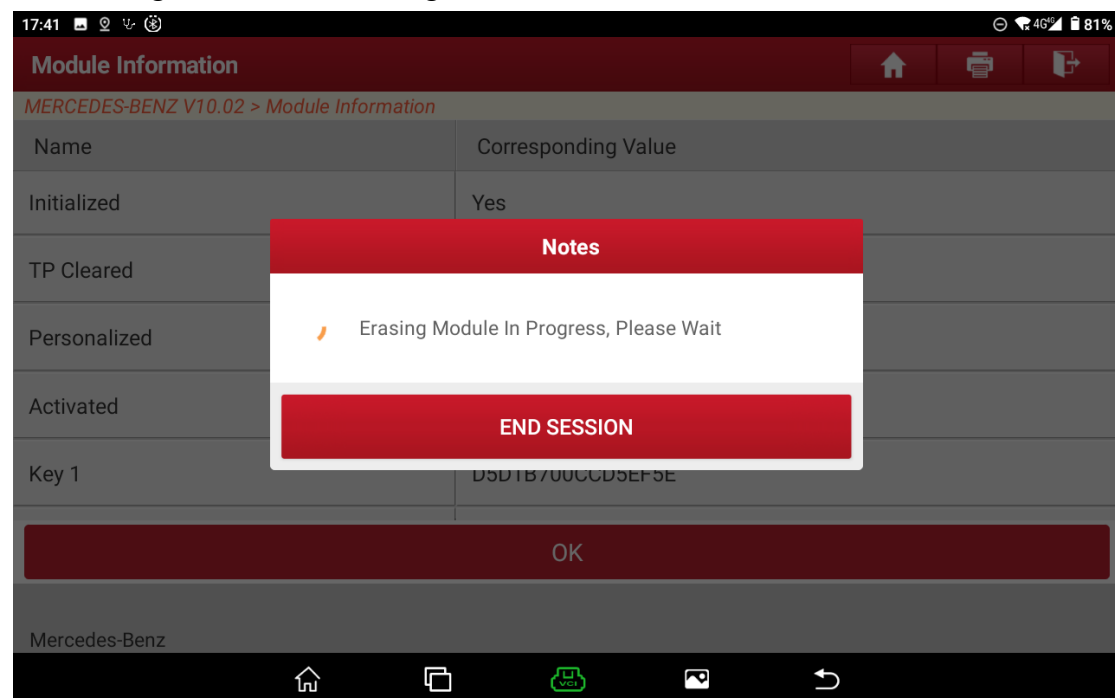


Figure 11

11. The erasing is successful and the activation status is No. Click OK to complete the erasing, as shown in the figure below.

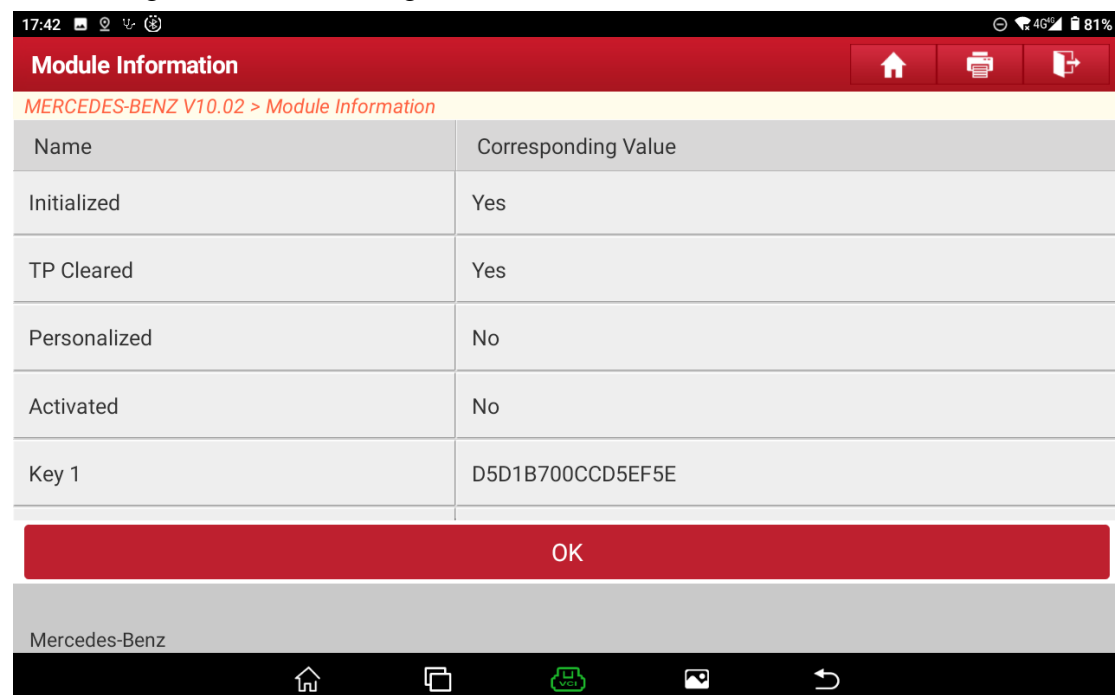


Figure 12

5. Engine Computer Erasing

5.1 Model Coverage

Engine (CR3.xx)
Engine (SIM266)
Engine (ME9.7)
Engine (MED17.7.x)
Engine (SIM271DE2.0)
Engine (SIM271KE2.0)
Engine (CR4.xx)
Engine (CR5.xx)
Engine (CR6.xx)
Engine (CR60.xx)
Engine (CRD.11)
Engine (CRD2.xx)
Engine (CRD3.xx)
Engine (ME2.8.1)

5.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

5.3 Procedure

The following is about me9.7 engine computer erasing.

1. Click “ECU Erasing”, as shown in the figure below.

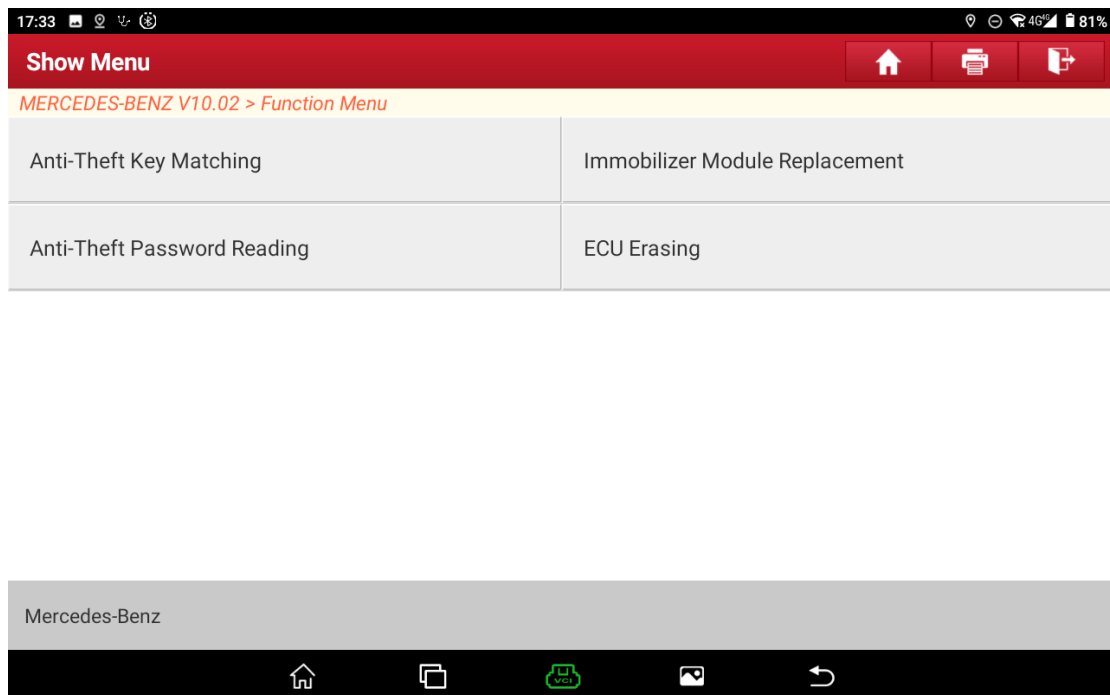


Figure 2

2. Click “Engine Control Unit”, as shown in the figure below.

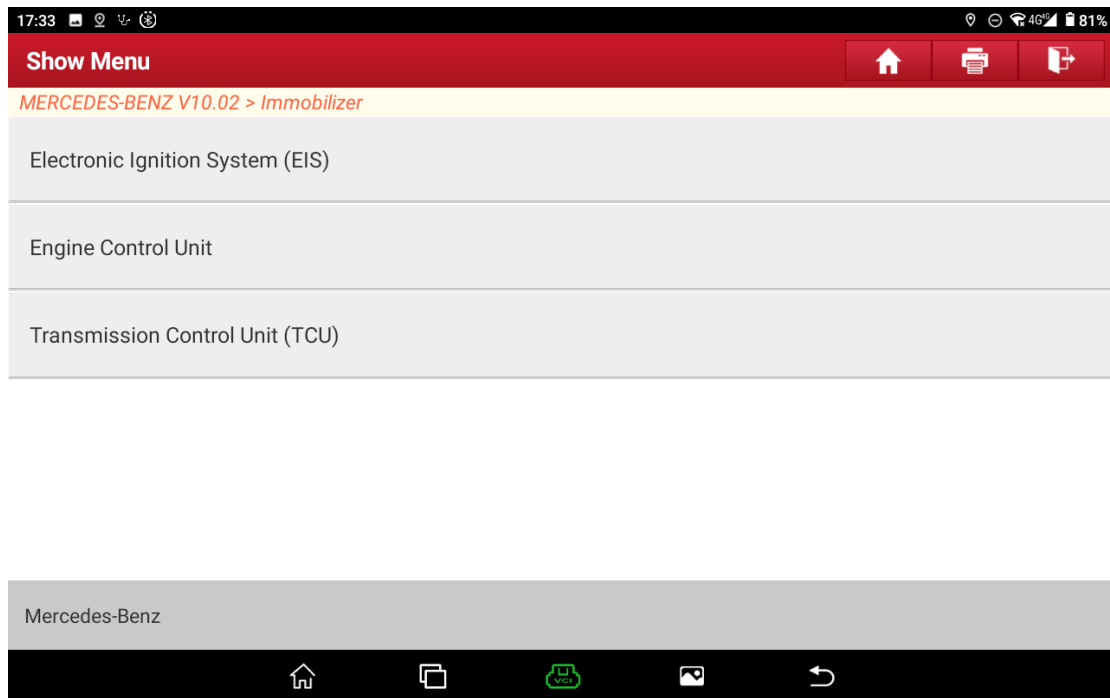


Figure 3

3. Click “Wiring Diagram”, as shown in the figure below.

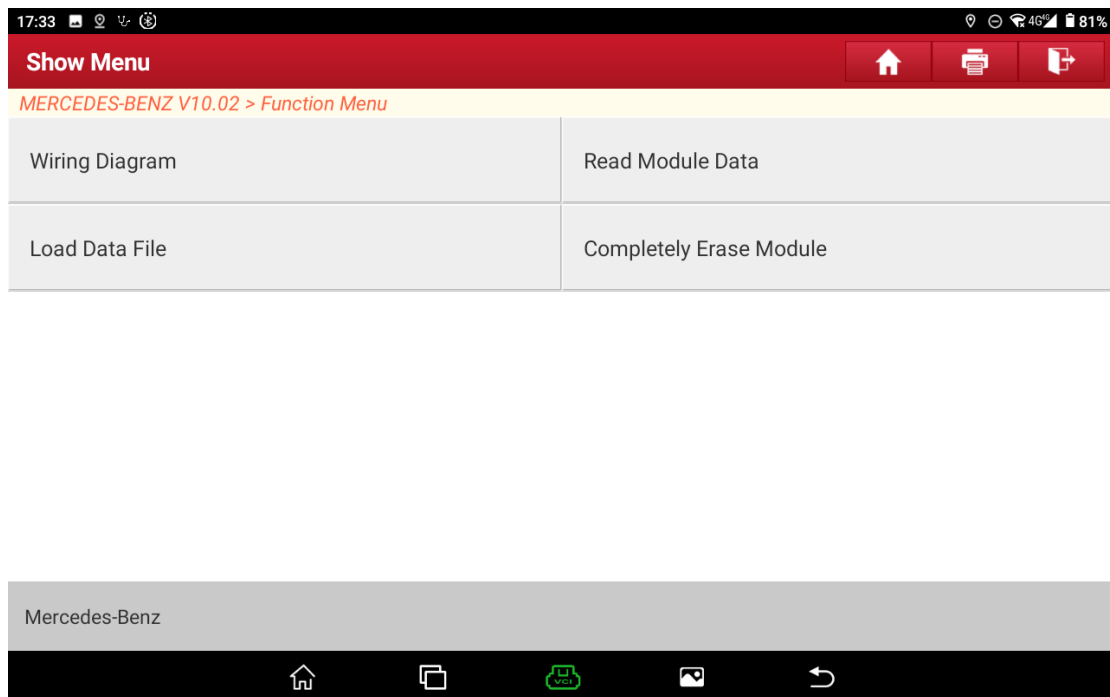


Figure 4

4. Click “ME9.7”, as shown in the figure below.

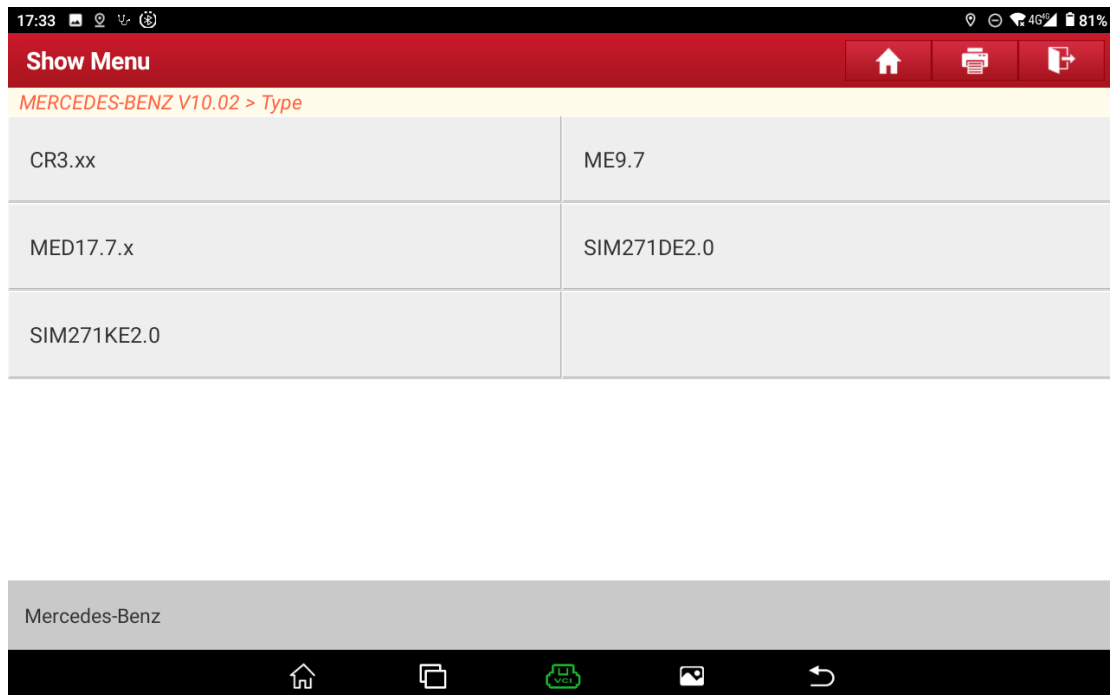


Figure 5

5. After removing the module and connecting it according to the wiring diagram, click OK, as shown in the figure below.

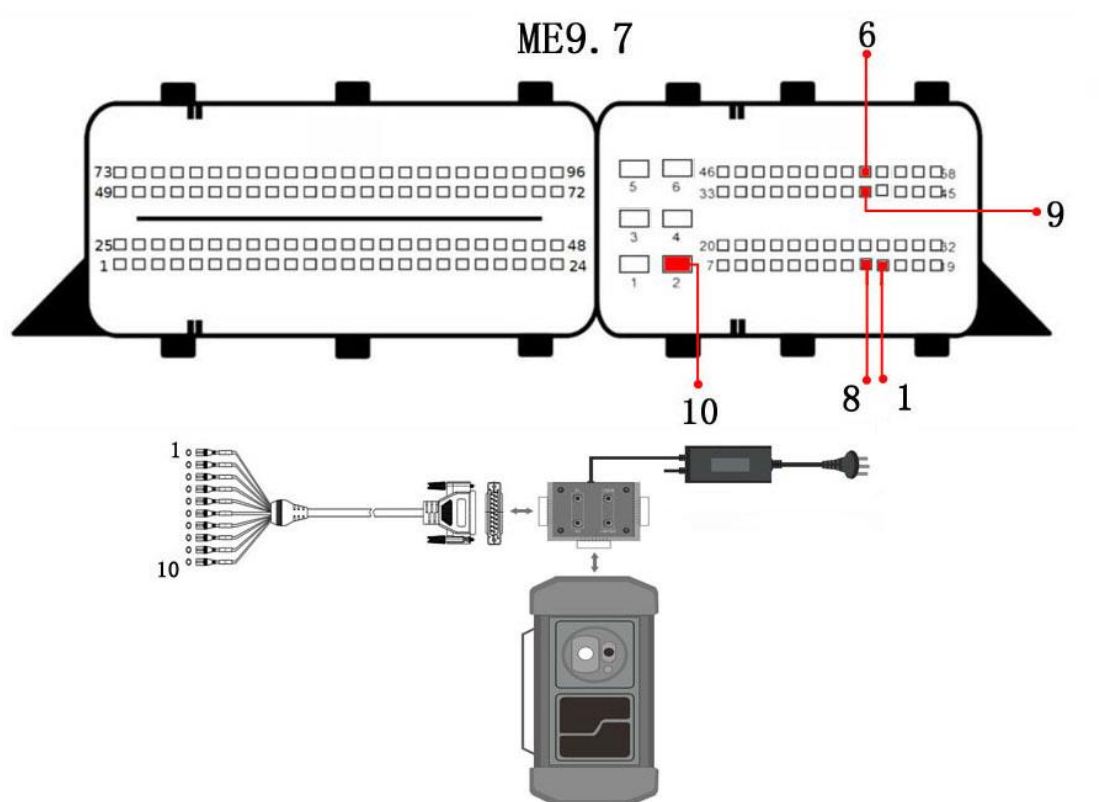


Figure 6

6. Click the back icon in the lower navigation bar, as shown in the figure below.



Figure 7

7. Click “Completely Erase Module”, as shown in the figure below.

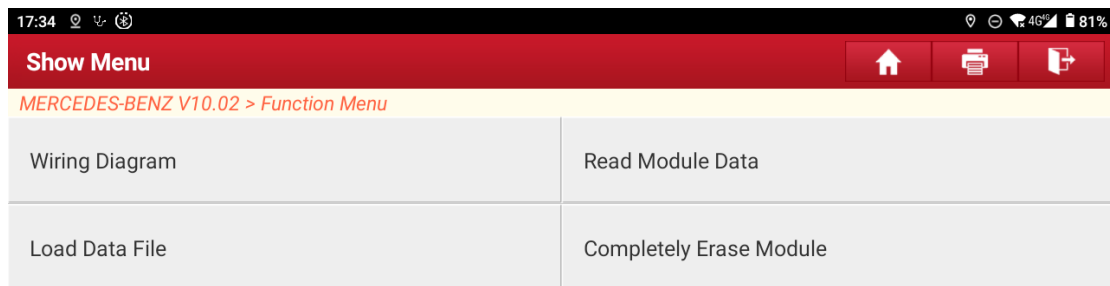


Figure 8

8. Click OK, as shown in the figure below.

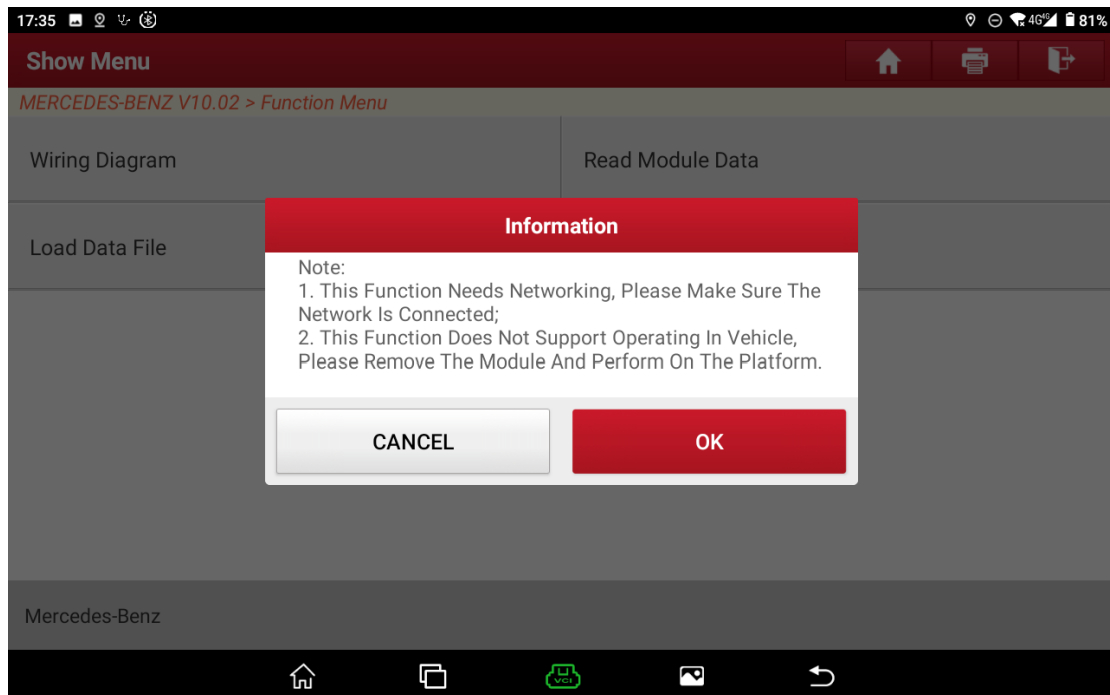


Figure 9

9. The engine information before erasing is displayed. Click OK to start erasing, as shown in the figure below.

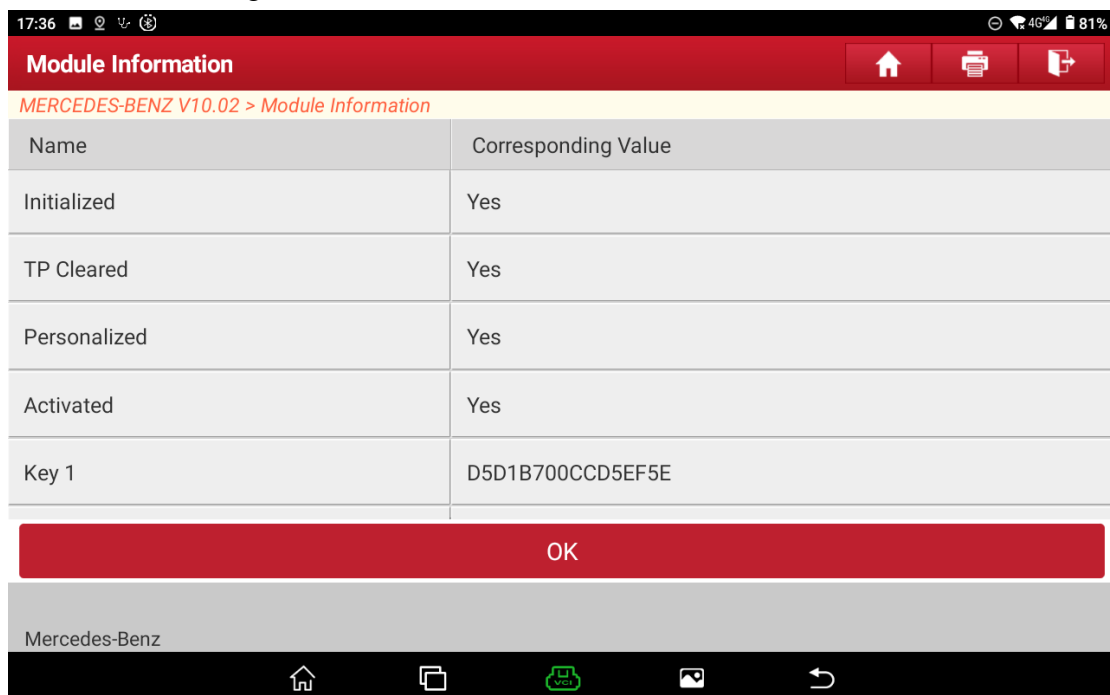


Figure 10

10. Choose whether to back up data according to your needs. Click “NO” here, as shown in the figure below.

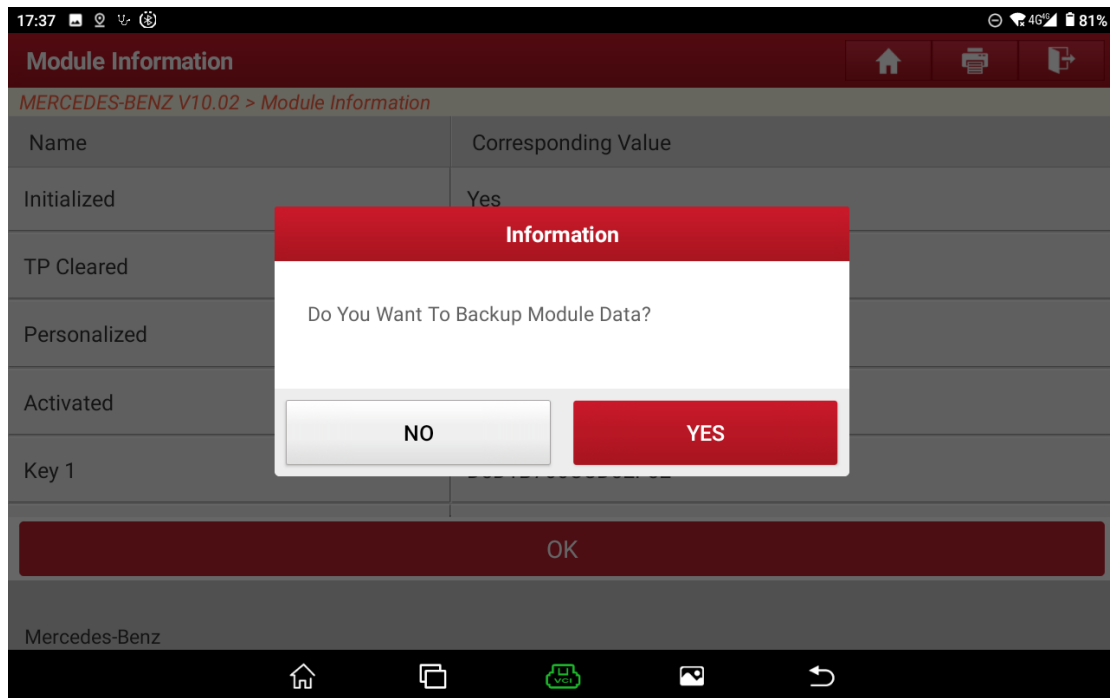


Figure 11

11. Click “YES”, as shown in the figure below.

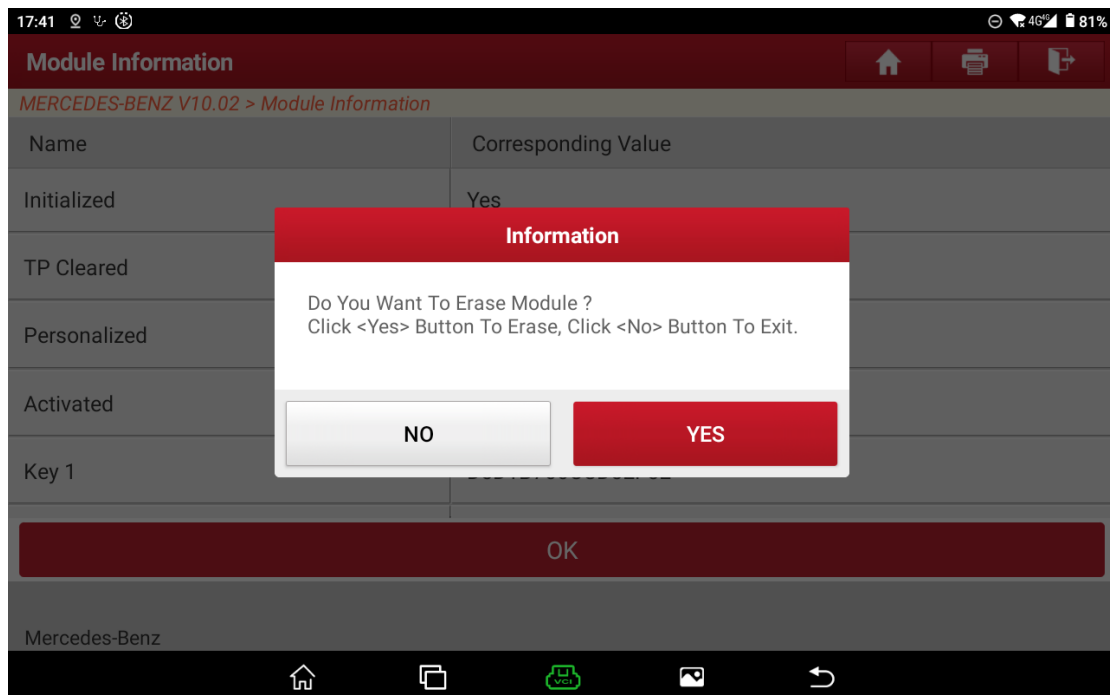


Figure 12

12. Erasing...as shown in the figure below.

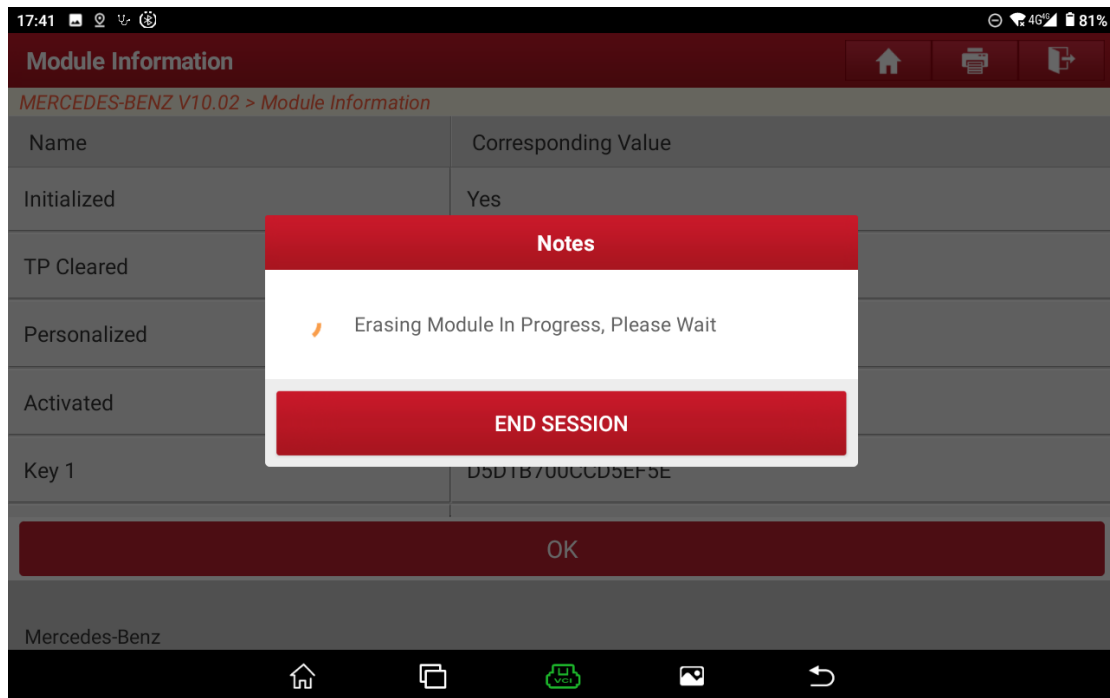


Figure 13

13. The erasing is successful and the activation status is No. Click OK to complete the erasing, as shown in the figure below.

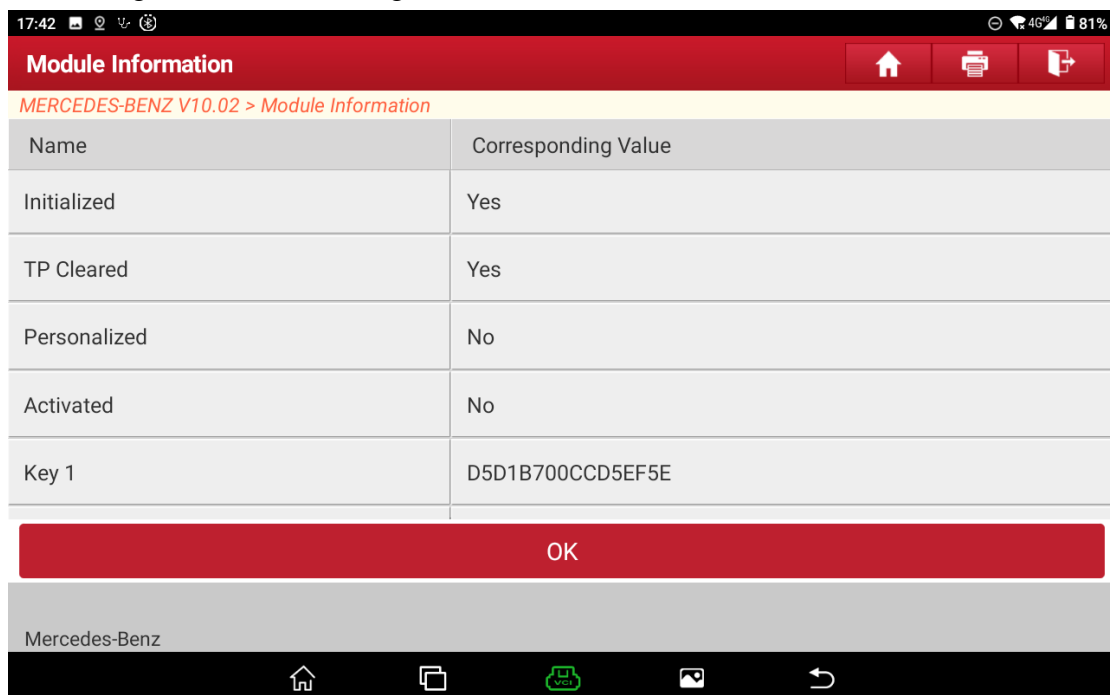


Figure 14

6. EIS Erasing

6.1 Model Coverage

W169 EIS supported
W204 EIS supported
W209 EIS supported
W209(K) EIS supported
W203(K) EIS supported
W210(K) EIS supported
W211 EIS supported
W212 EIS supported
W207 EIS supported
W215(K) EIS supported
W220(K) EIS supported
W209 EIS supported
W218 EIS supported
W211 EIS supported
W216 EIS supported
W215(K) EIS supported
W172 EIS supported
W197 EIS supported
W164 EIS supported
W164NEW EIS supported
W166 EIS supported
W1641NEW EIS supported
W463 EIS supported
W246 EIS supported
W639NEW EIS supported
W906 EIS supported

6.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

6.3 Procedure

The following is about the W164 (2009 -) EIS erasing.

1. Click “ECU Erasing”, as shown in the figure below.

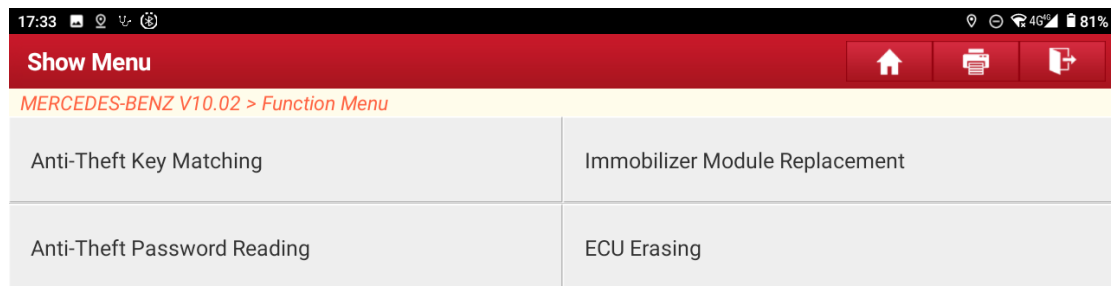


Figure 2

2. Click “Electronic Ignition System (EIS)”, as shown in the figure below.

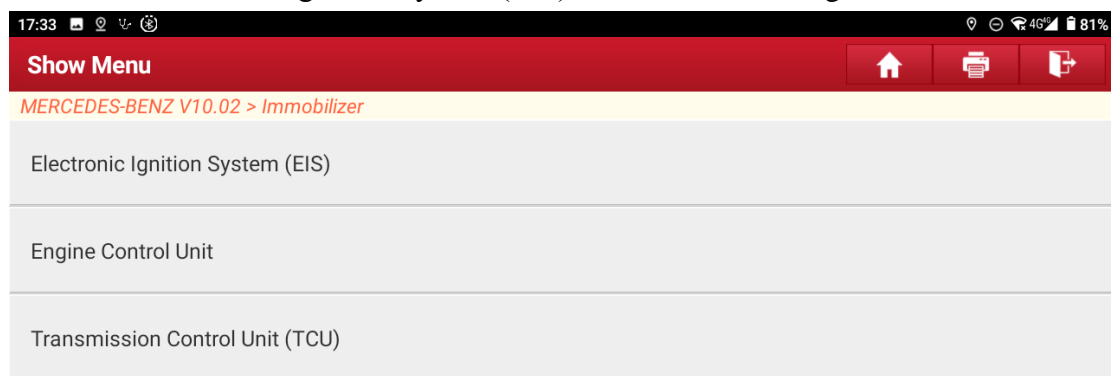


Figure 3

3. Select the menu according to the actual situation. Here, click "Operation On the Platform", as shown in the figure below.

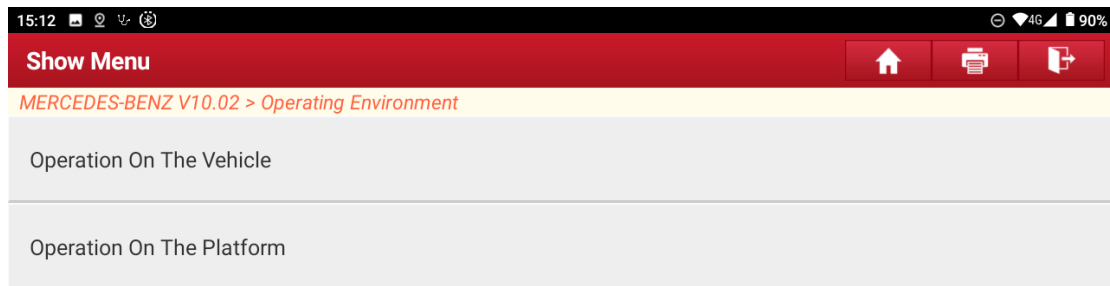


Figure 4

4. Click "Wiring Diagram", as shown in the figure below.

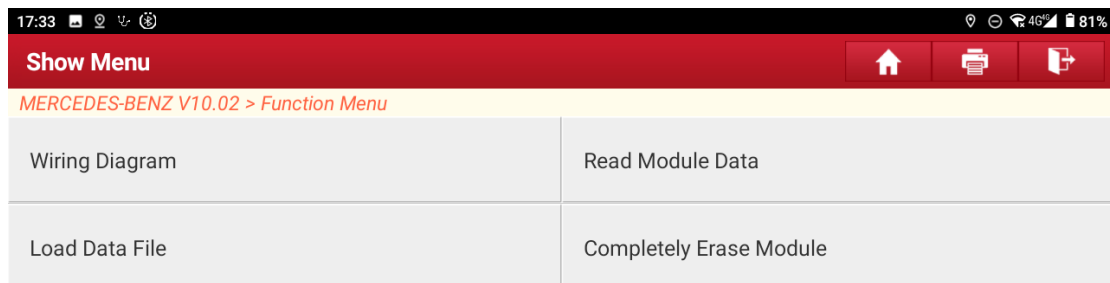
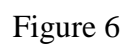


Figure 5

5. Click "W164(2009-)", as shown in the figure below.



- [illegible]

7. Click the back icon in the lower navigation bar, as shown in the figure below.



Figure 8

8. Click “Completely Erase Module”, as shown in the figure below.

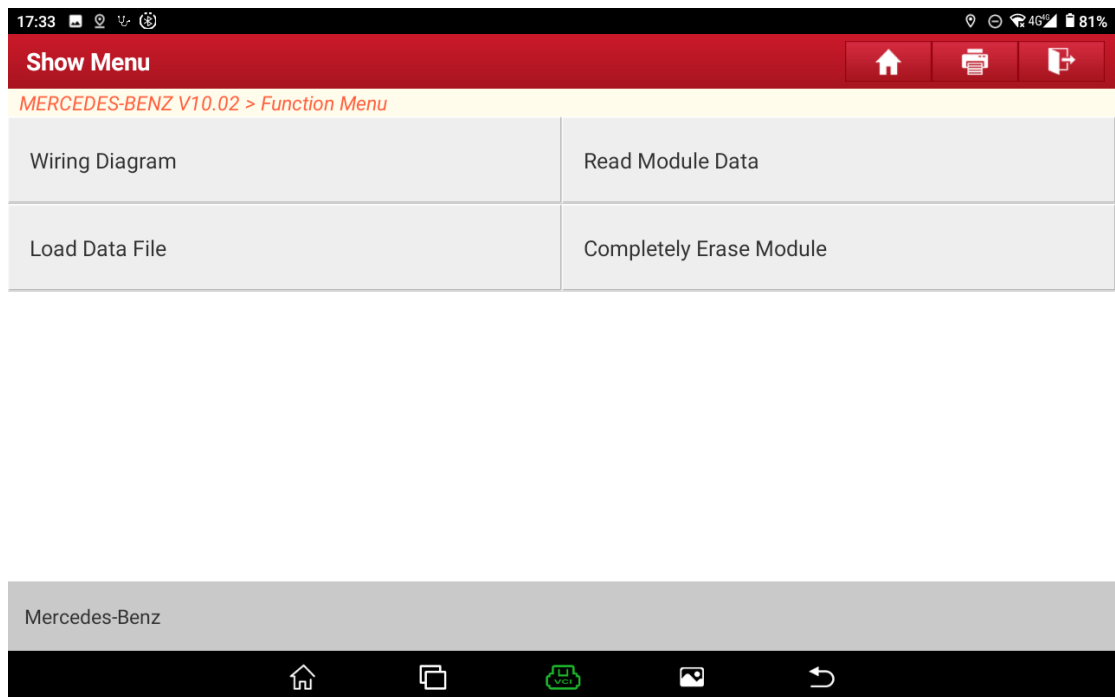
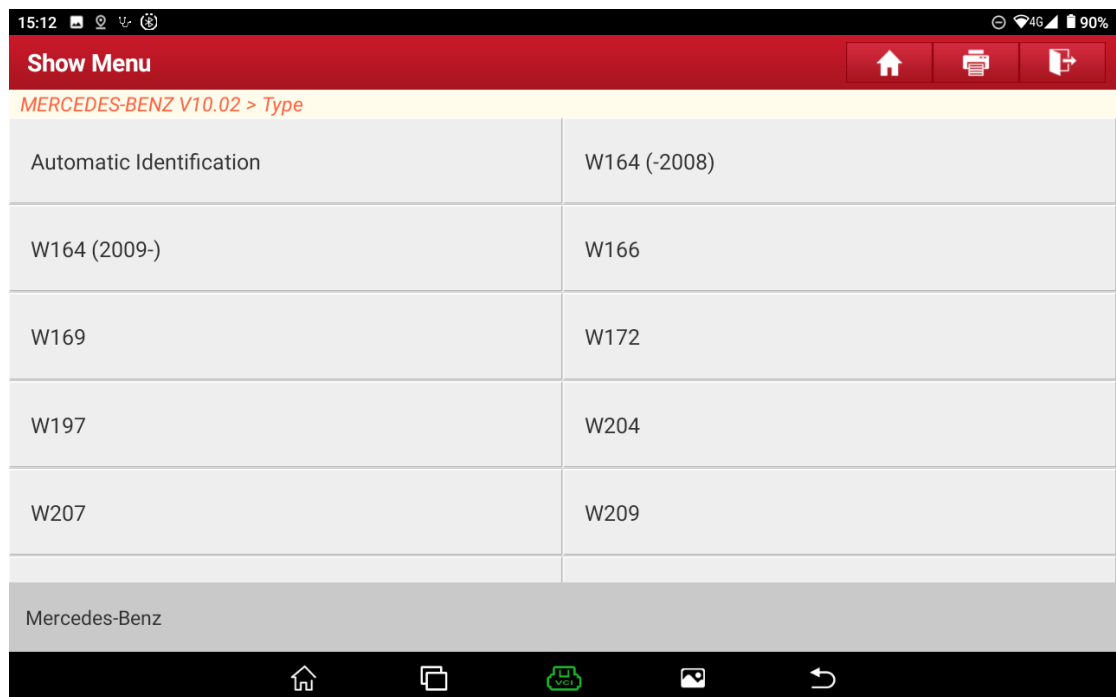


Figure 9

9. Click “Automatic Identification”, as shown in the figure below.



MERCEDES-BENZ V10.02 > Type	
Automatic Identification	W164 (-2008)
W164 (2009-)	W166
W169	W172
W197	W204
W207	W209
Mercedes-Benz	

Figure 10

10. The EIS type is identified. Click OK, as shown in the figure below.

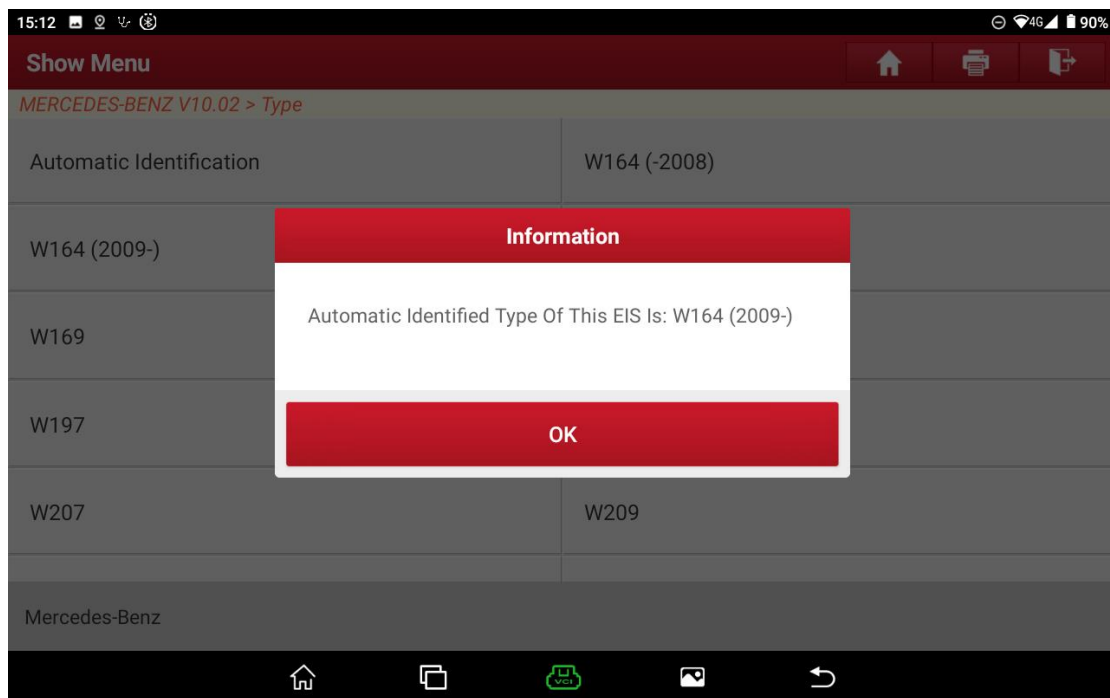


Figure 11

11. Click OK, as shown in the figure below.

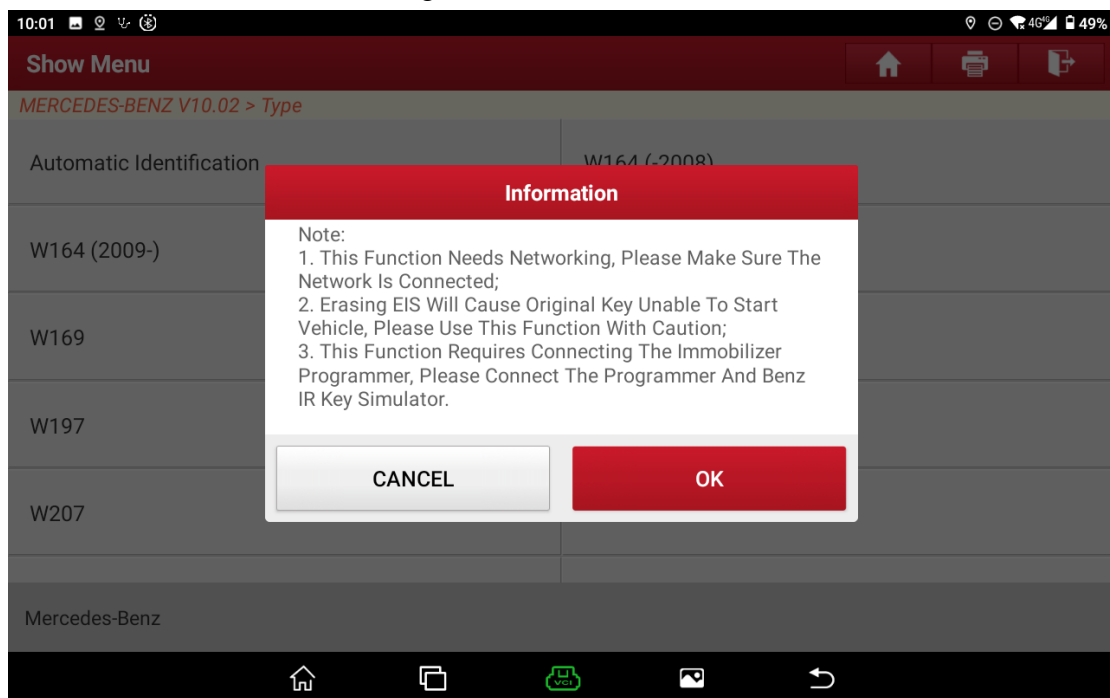


Figure 12

12. Click OK, as shown in the figure below.

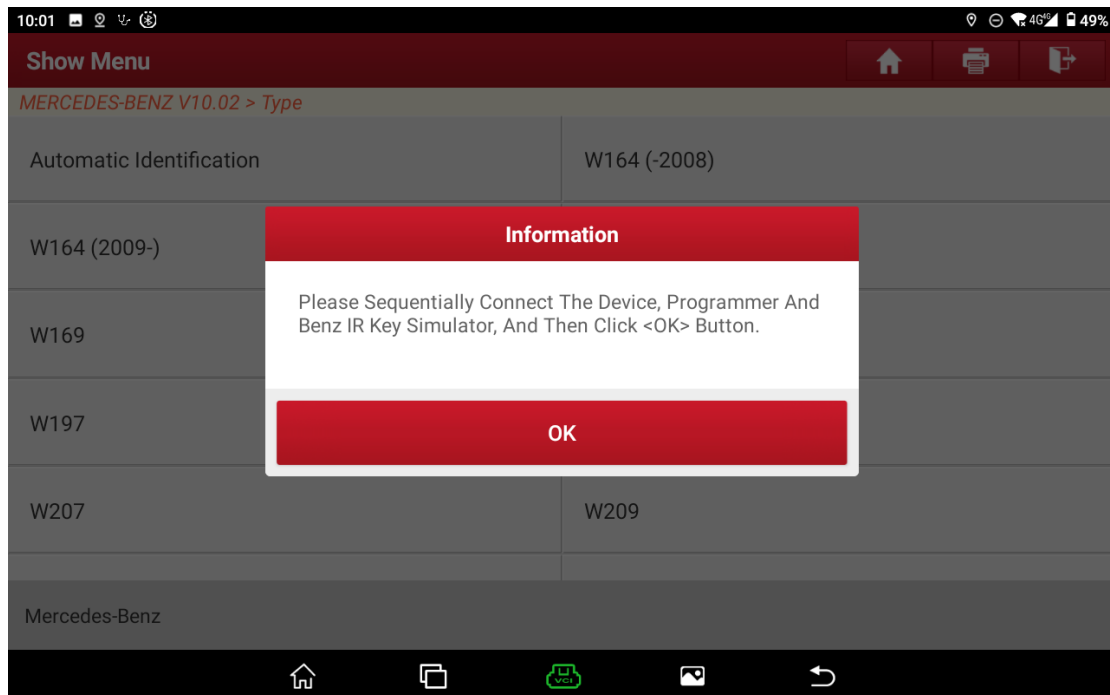


Figure 13

13. Input or pull down to select the calculated 16-digit original car key password, and click OK, as shown in the figure below.

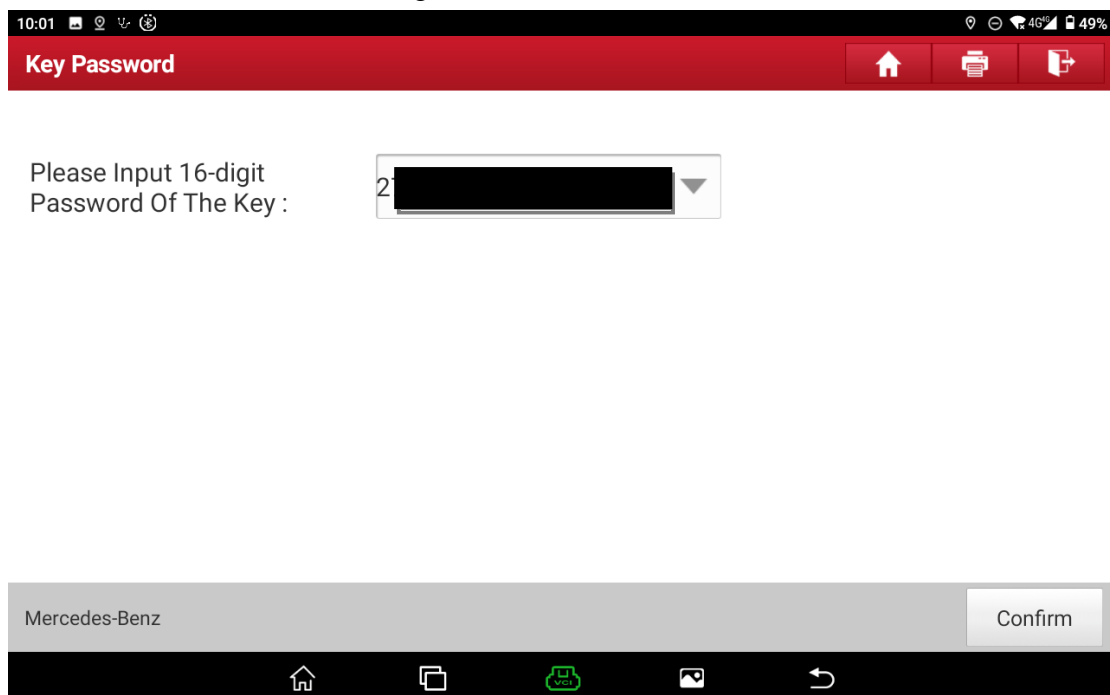


Figure 14

14. Choose whether to back up data according to your needs. Click "NO" here, as shown in the figure below.

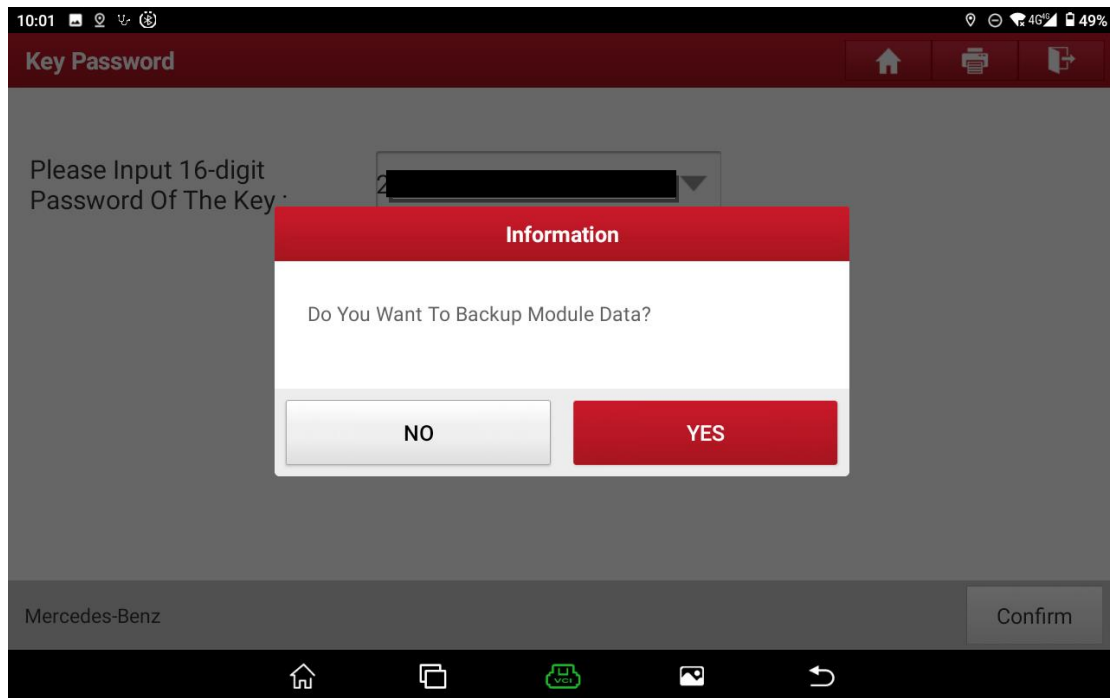


Figure 15

15. Click “YES”, as shown in the figure below.

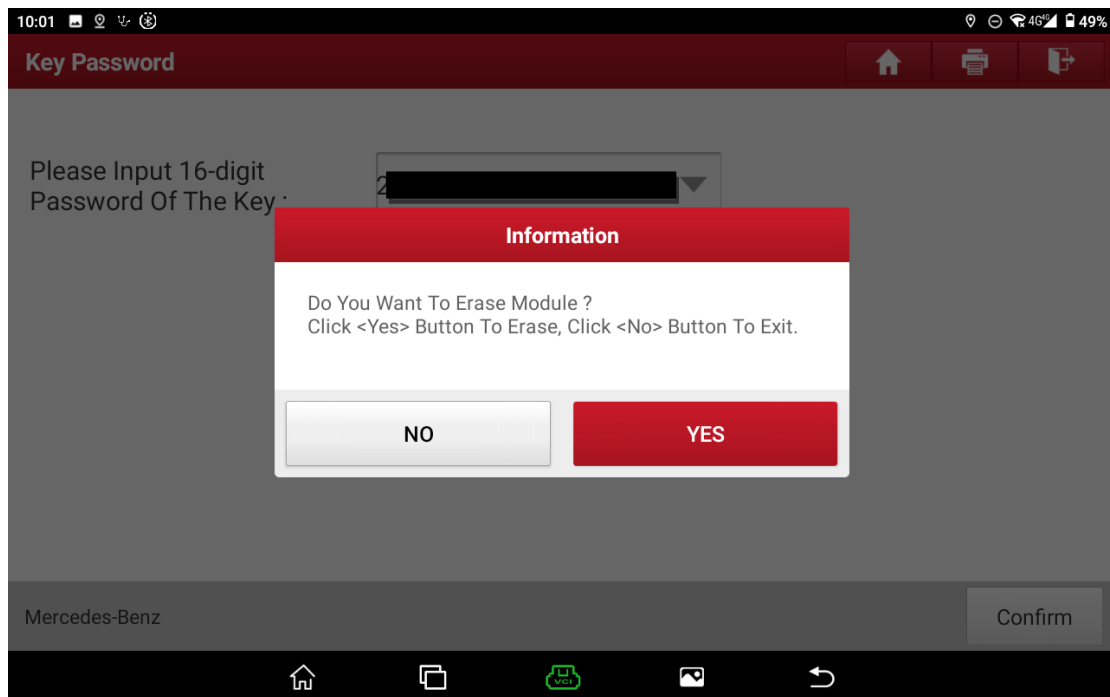


Figure 16

16. Operate according to the prompt, as shown in the figure below.

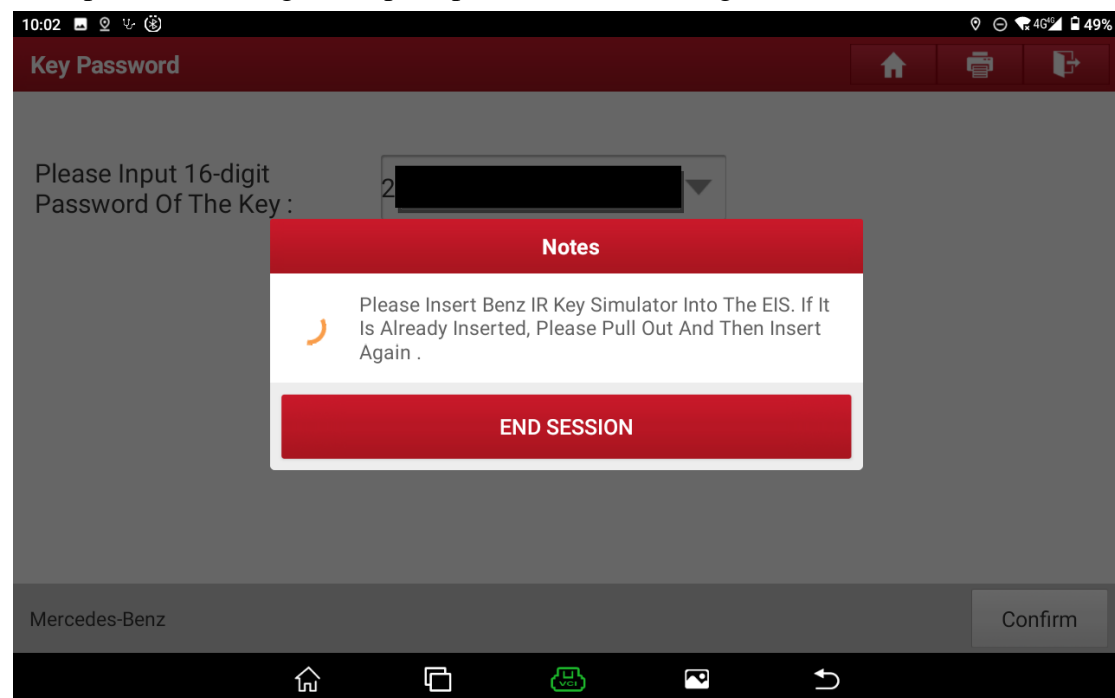


Figure 17

17. Erasing is completed. Click OK, as shown in the figure below.

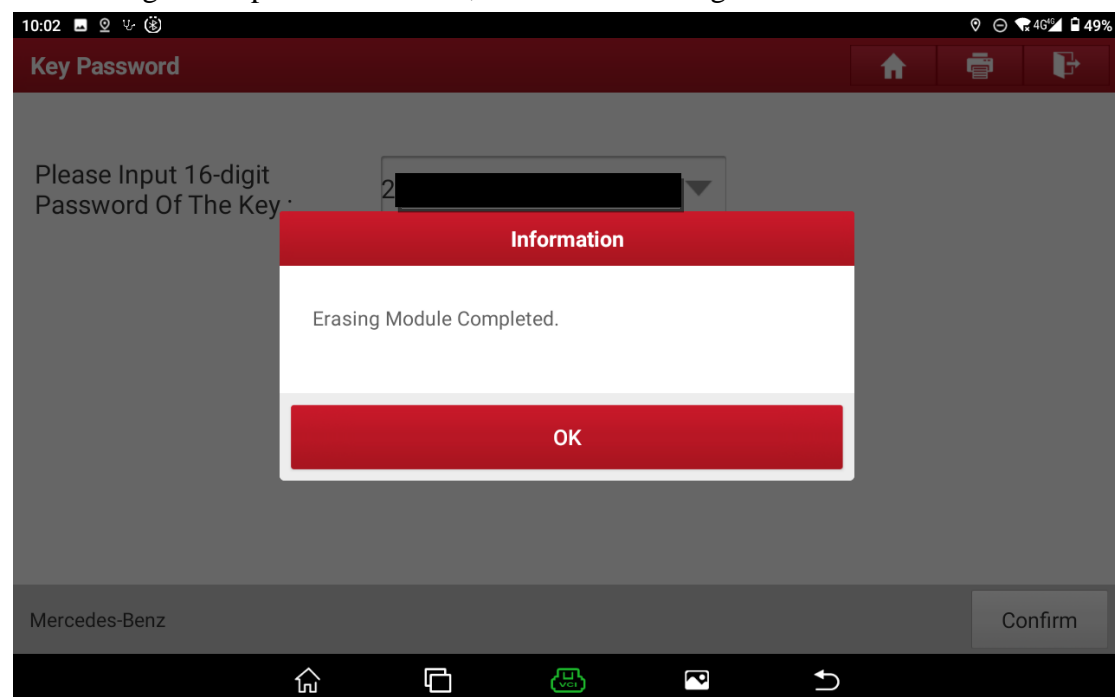


Figure 18

18. The information after erasing is displayed and the EIS activation status is No. Click OK to complete the erasing, as shown in the figure below.

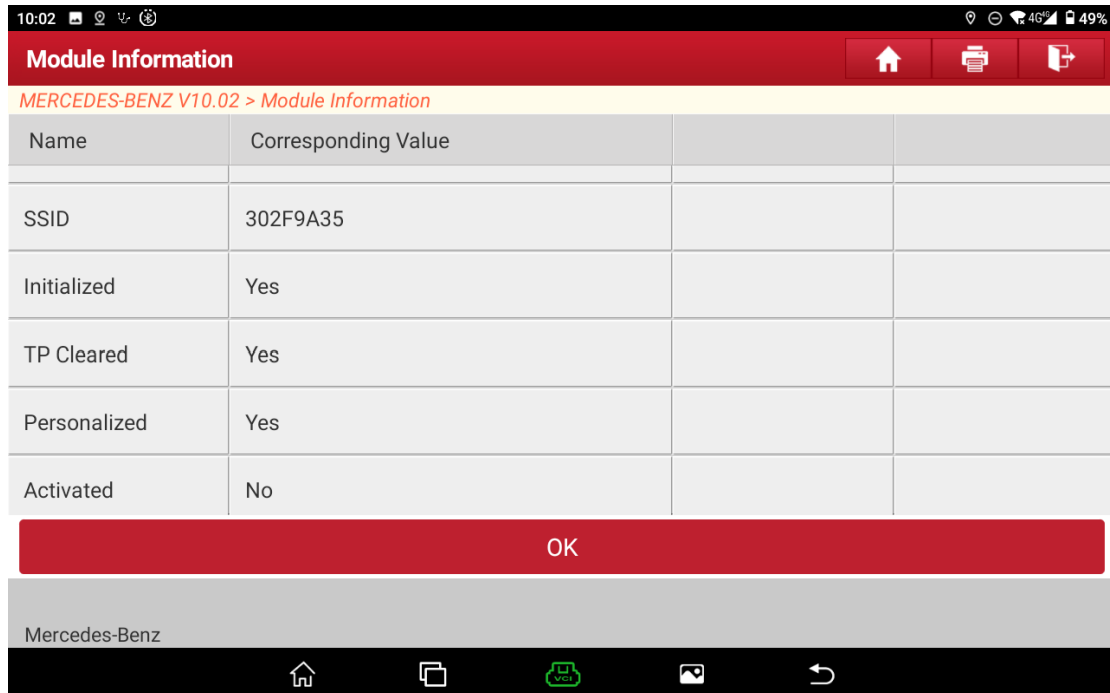


Figure 19

7. ISM Computer Erasing

7.1 Model Coverage

ISM Computer Erasing
W164ISM
W212DSM

7.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

7.3 Procedure

The following is about W164ISM computer erasing.

1. After accessing the Benz immobilizer software, connect according to the wiring diagram and click OK, as shown in the figure below.

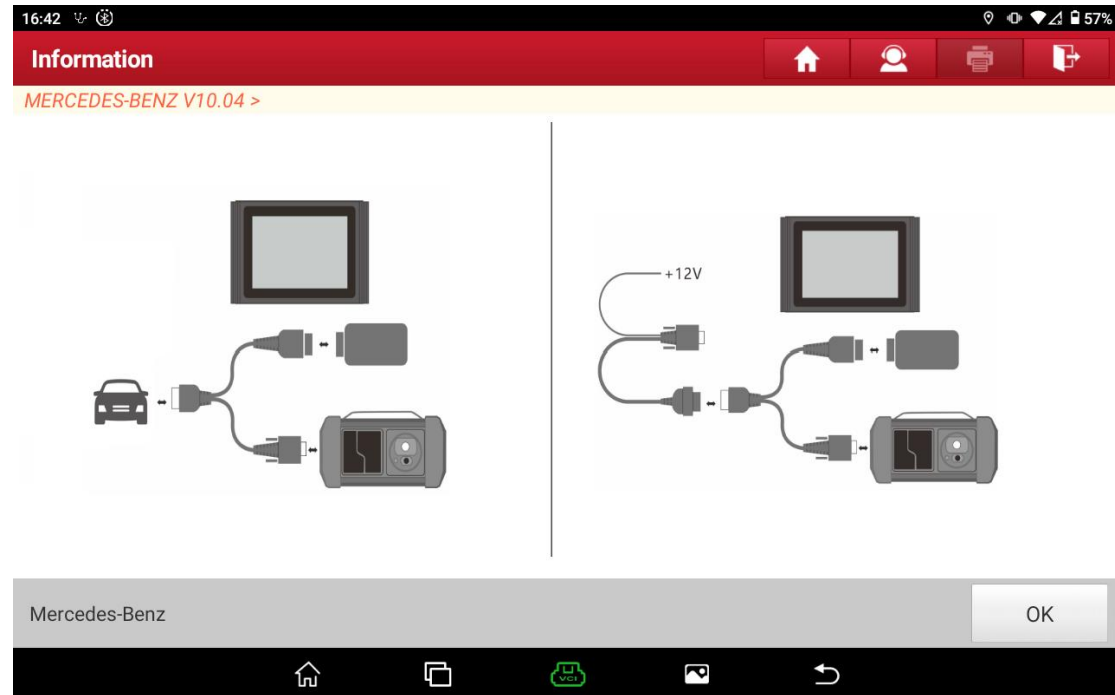


Figure 1

2. Click “ECU Erasing”, as shown in the figure below.

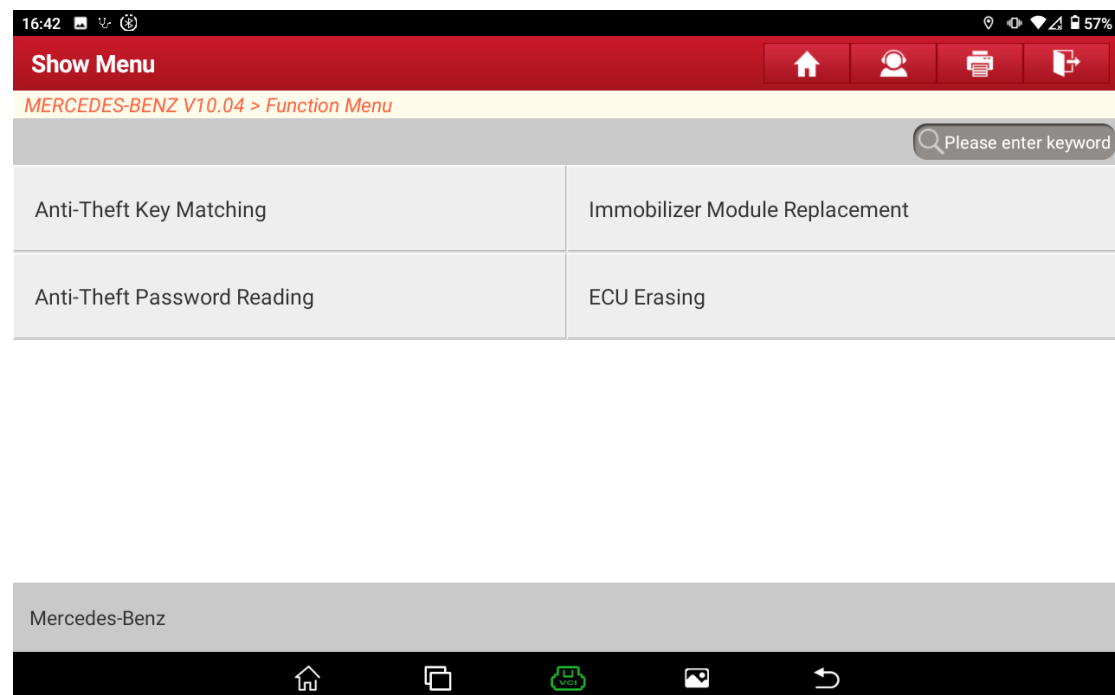


Figure 2

3. Click “ISM”, as shown in the figure below.

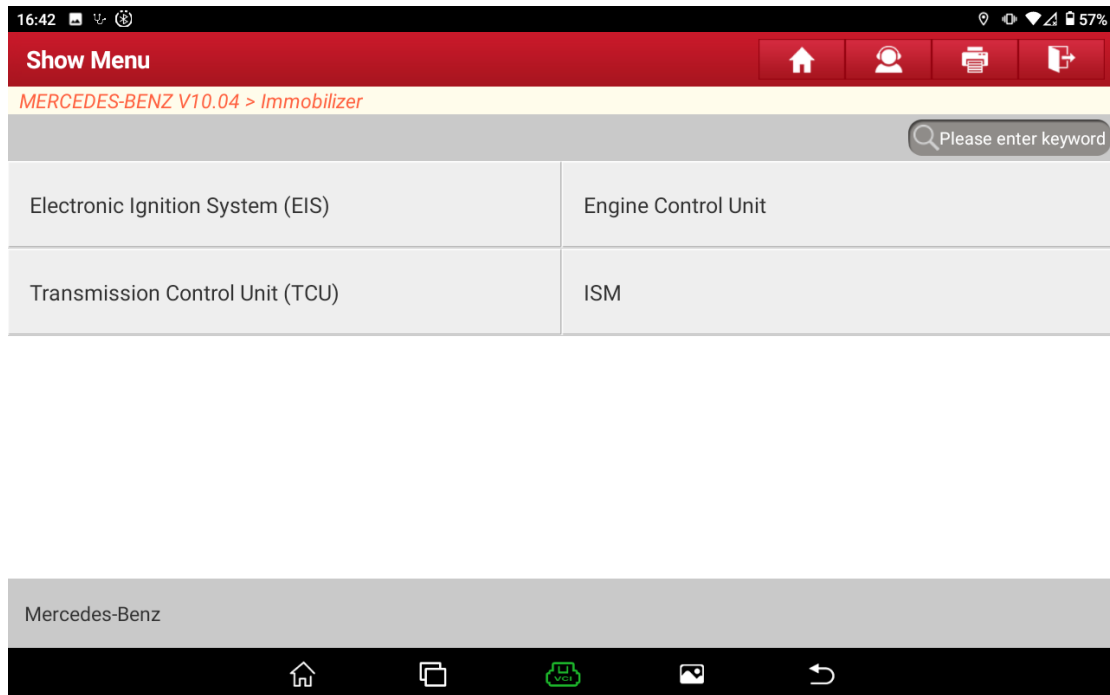


Figure 3

4. Click “Wiring Diagram”, as shown in the figure below.

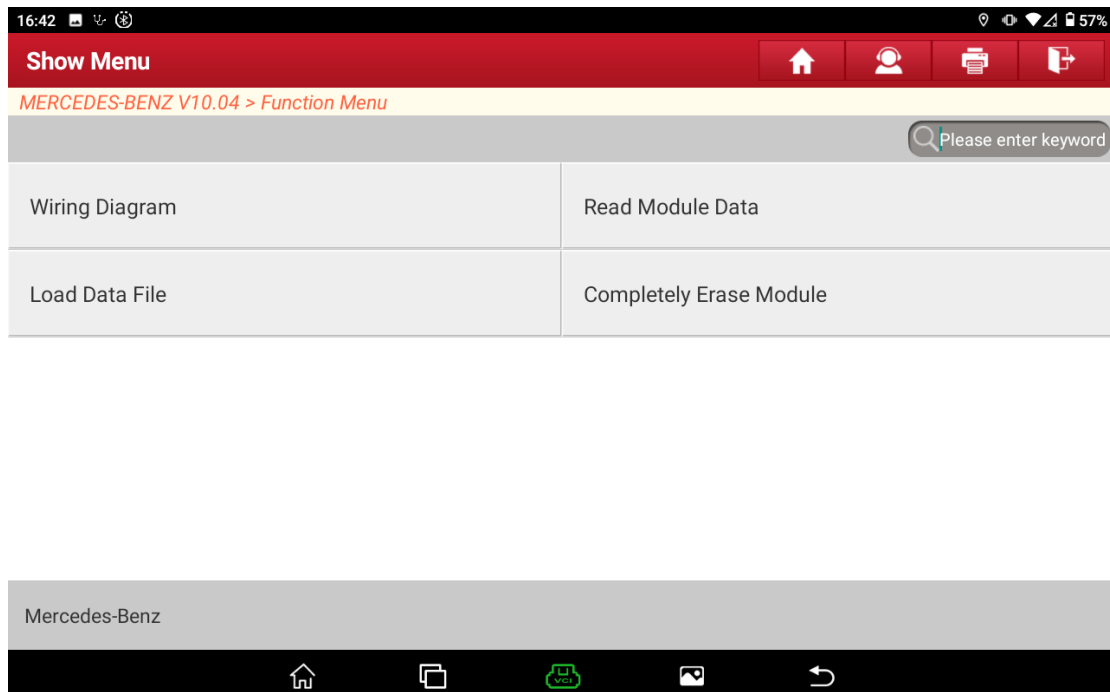


Figure 4

5. After removing the module and connecting it according to the wiring diagram, click OK, as shown in the figure below.

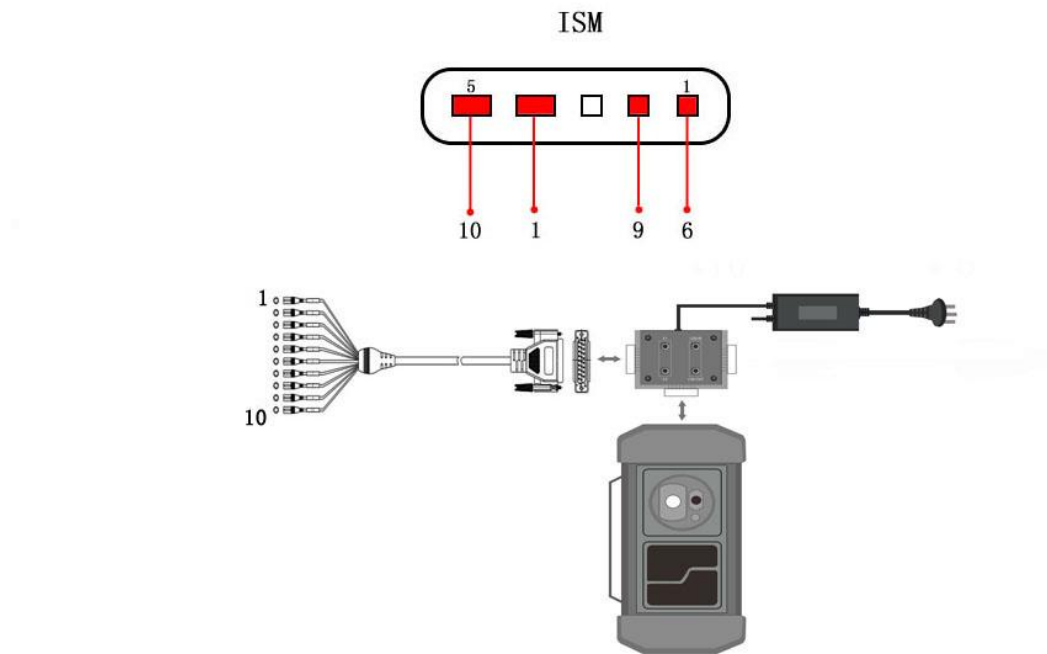


Figure 5

6. Click “Completely Erase Module”, as shown in the figure below.

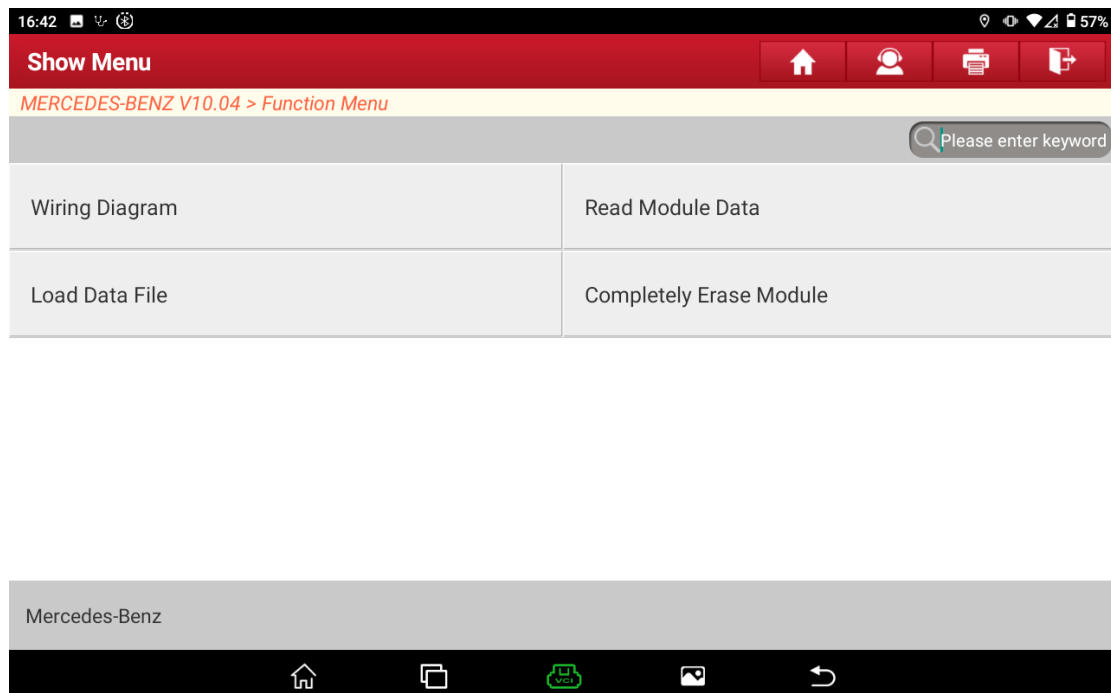


Figure 6

7. Click OK, as shown in the figure below.

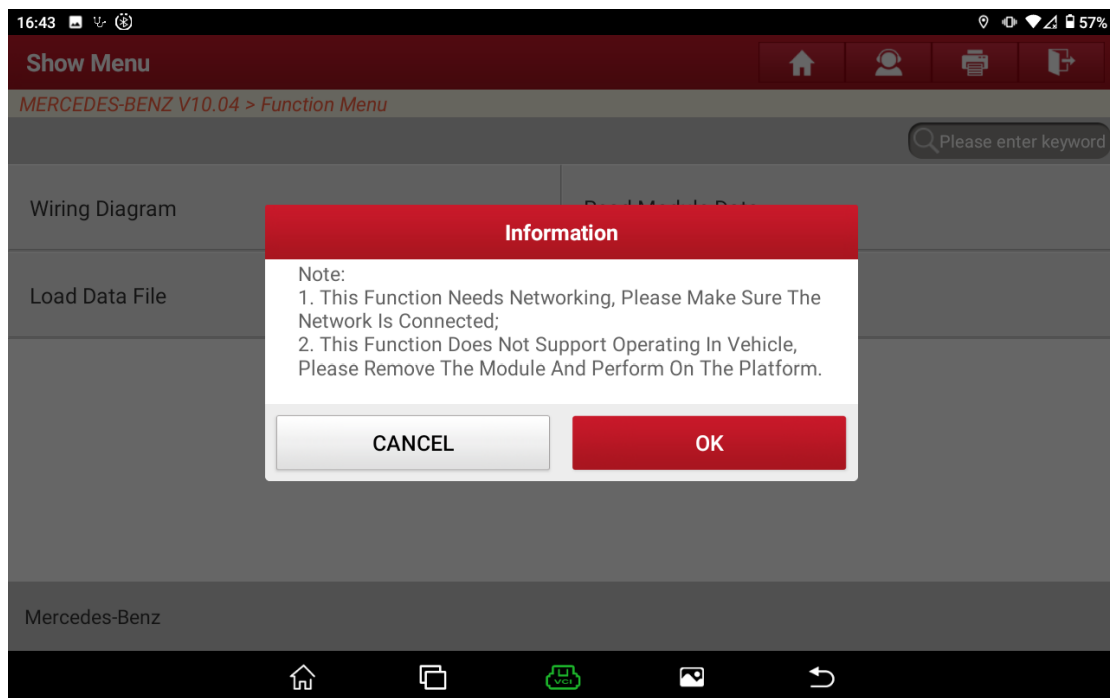


Figure 7

8. The information before erasing is displayed. Click OK to start erasing, as shown in the figure below.

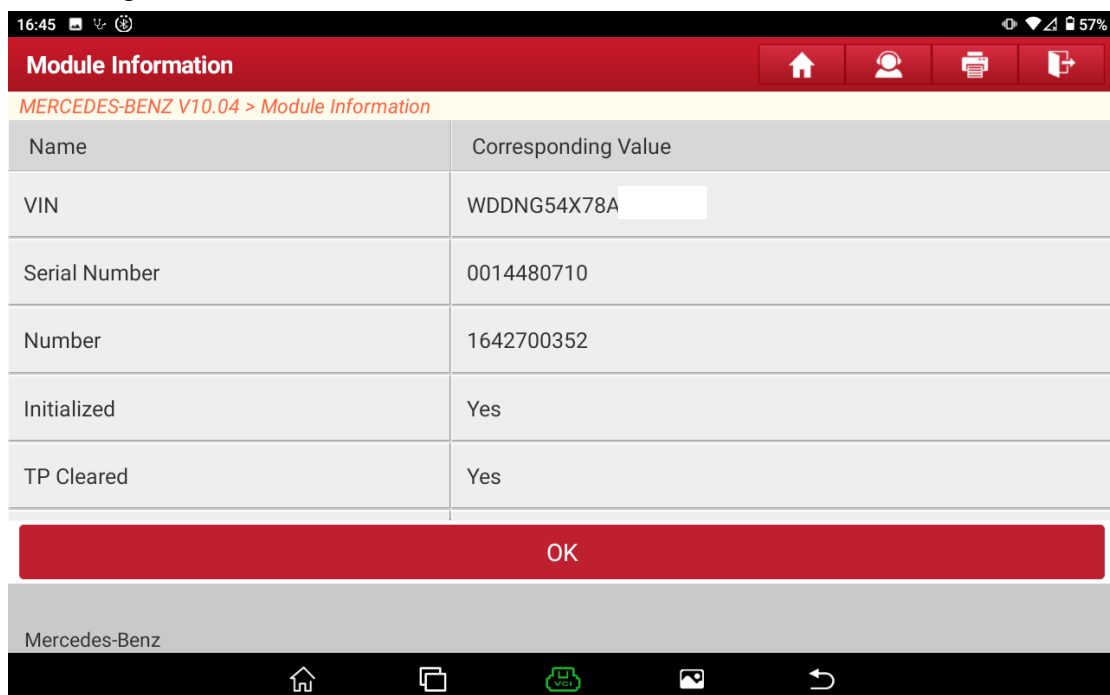


Figure 8

9. The erasing is successful and the activation status is No. Click OK to complete the erasing, as shown in the figure below.

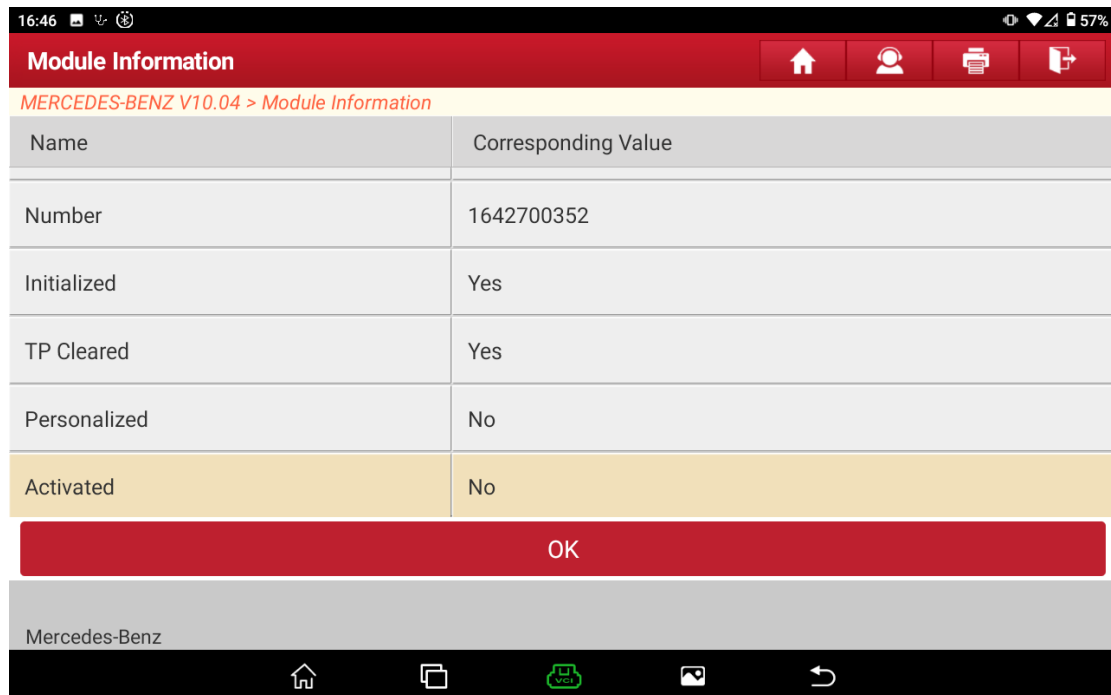


Figure 9

8. EIS Replacement

8.1 Model Coverage

W169 EIS supported
W204 EIS supported
W209 EIS supported
W209(K) EIS supported
W203(K) EIS supported
W210(K) EIS supported
W211 EIS supported
W212 EIS supported
W207 EIS supported
W215(K) EIS supported
W220(K) EIS supported
W209 EIS supported
W218 EIS supported
W211 EIS supported

W216 EIS supported
W215(K) EIS supported
W172 EIS supported
W197 EIS supported
W164 EIS supported
W164NEW EIS supported
W166 EIS supported
W1641NEW EIS supported
W463 EIS supported
W246 EIS supported
W639NEW EIS supported
W906 EIS supported

8.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

8.3 Procedure

The following is about replacement of w164 (2009 -) EIS.

1. Click “Anti-theft Password Reading”, as shown in the figure below.

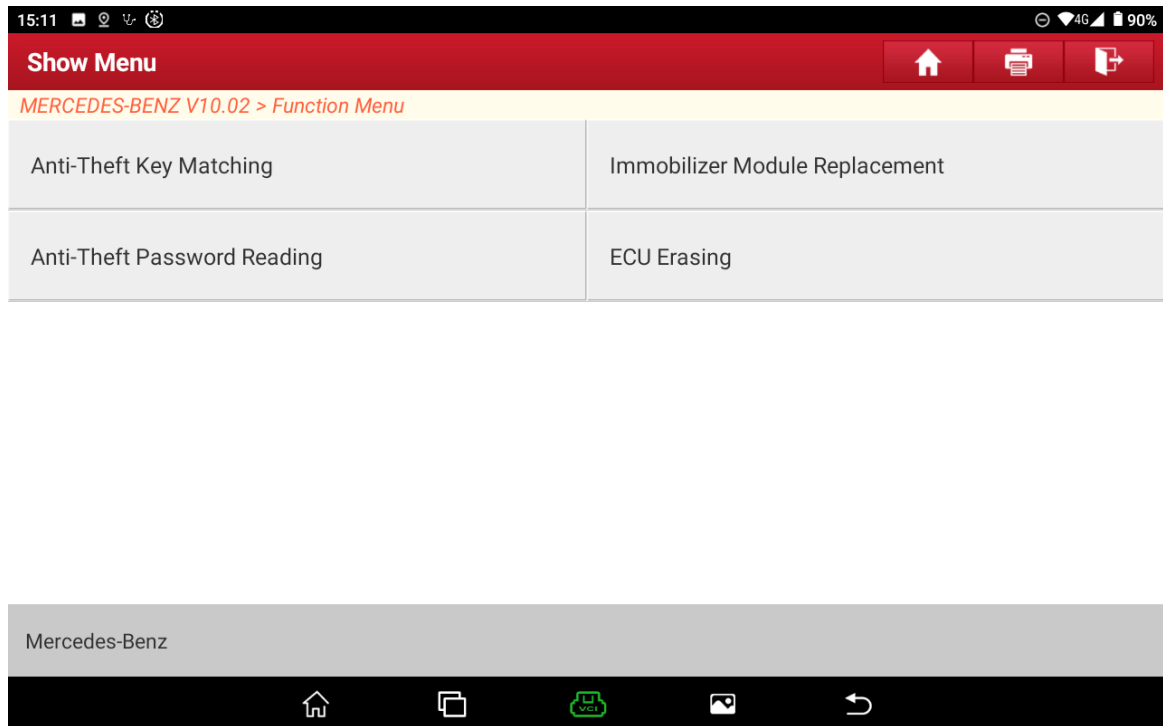


Figure 2

2. Select the menu according to the actual situation. Here, click "Operation On the Platform", as shown in the figure below.

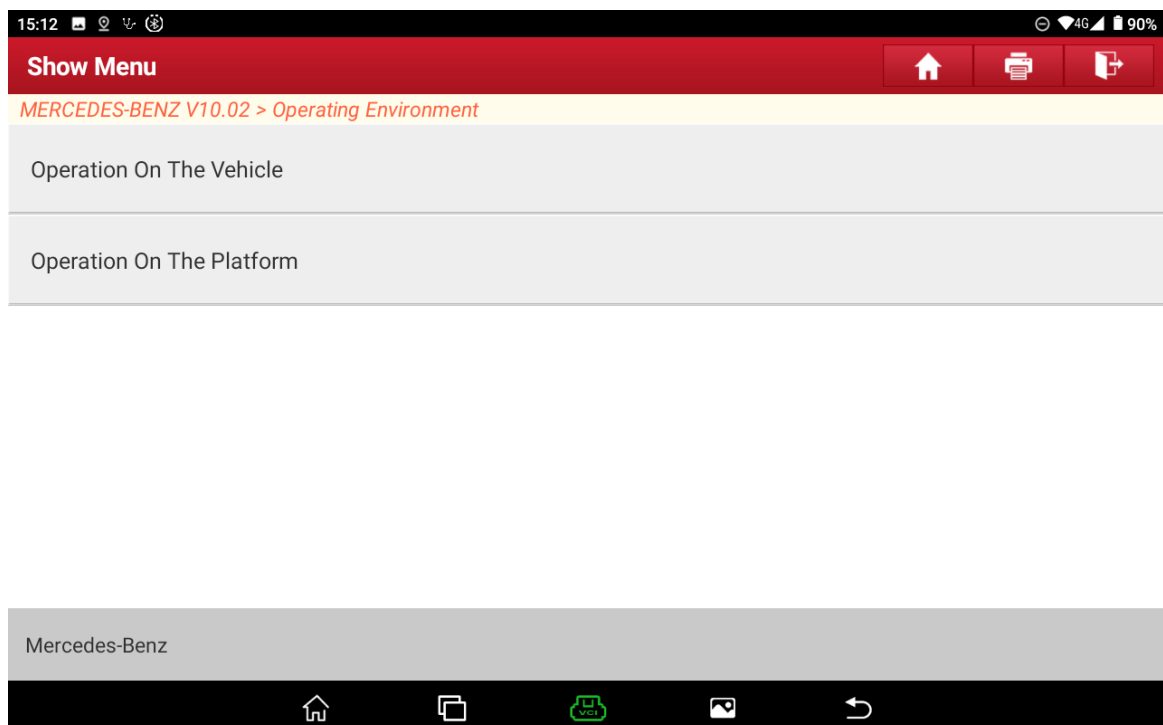


Figure 3

3. Select any method to obtain the password. Here, click "Calculate Password by Adding Key", as shown in the figure below.

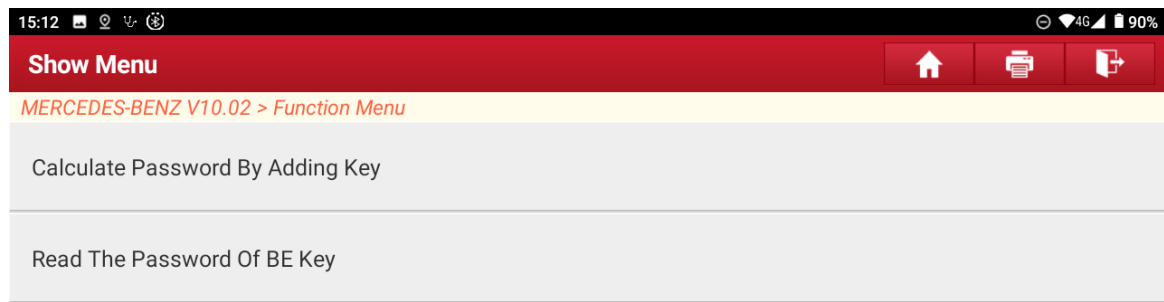


Figure 4

4. Select the corresponding EIS type and there is the corresponding wiring diagram.
If the wiring is already connected, click "Automatic Identification", as shown in the figure below.

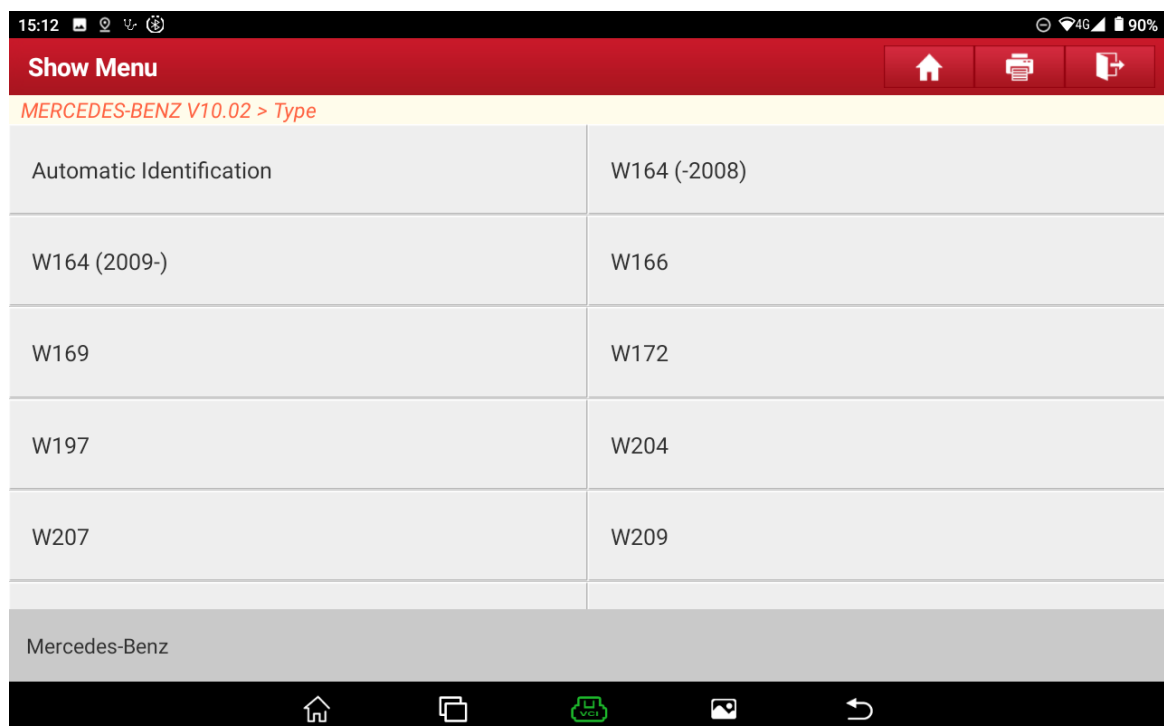


Figure 5

5. The EIS type is identified. Click OK, as shown in the figure below.

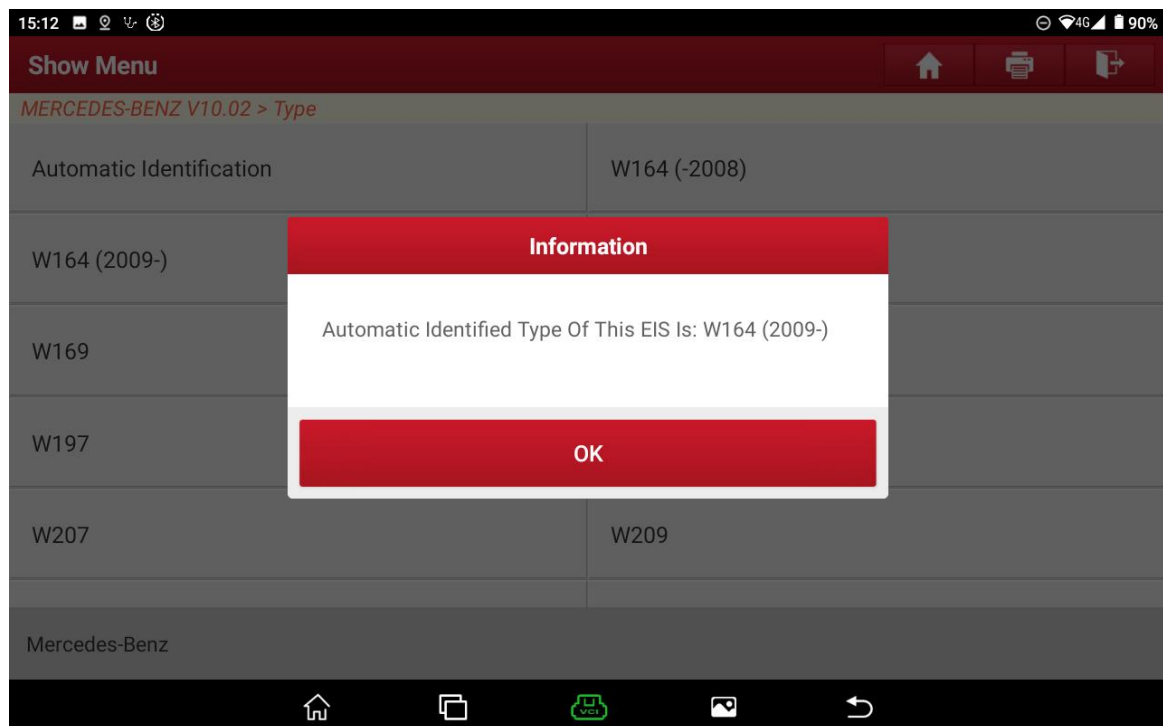


Figure 6

6. Click OK, as shown in the figure below.

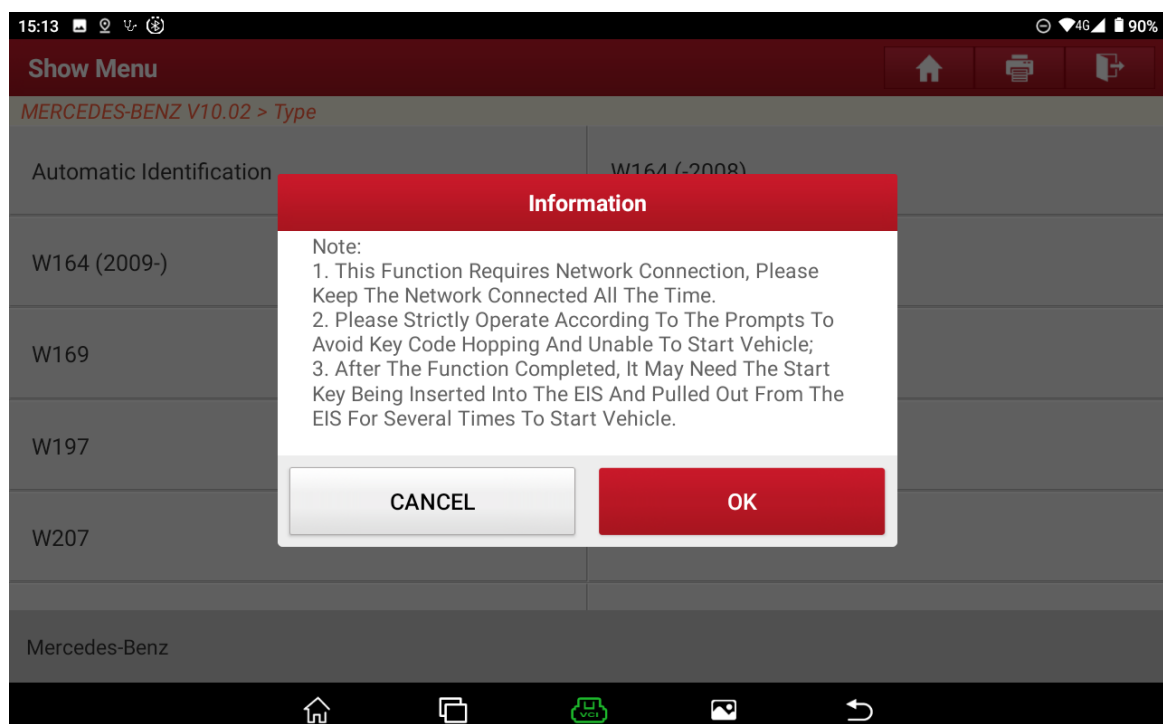


Figure 7

7. The following operations may be repeated for several times. Follow the prompts and click OK, as shown in the figure below.

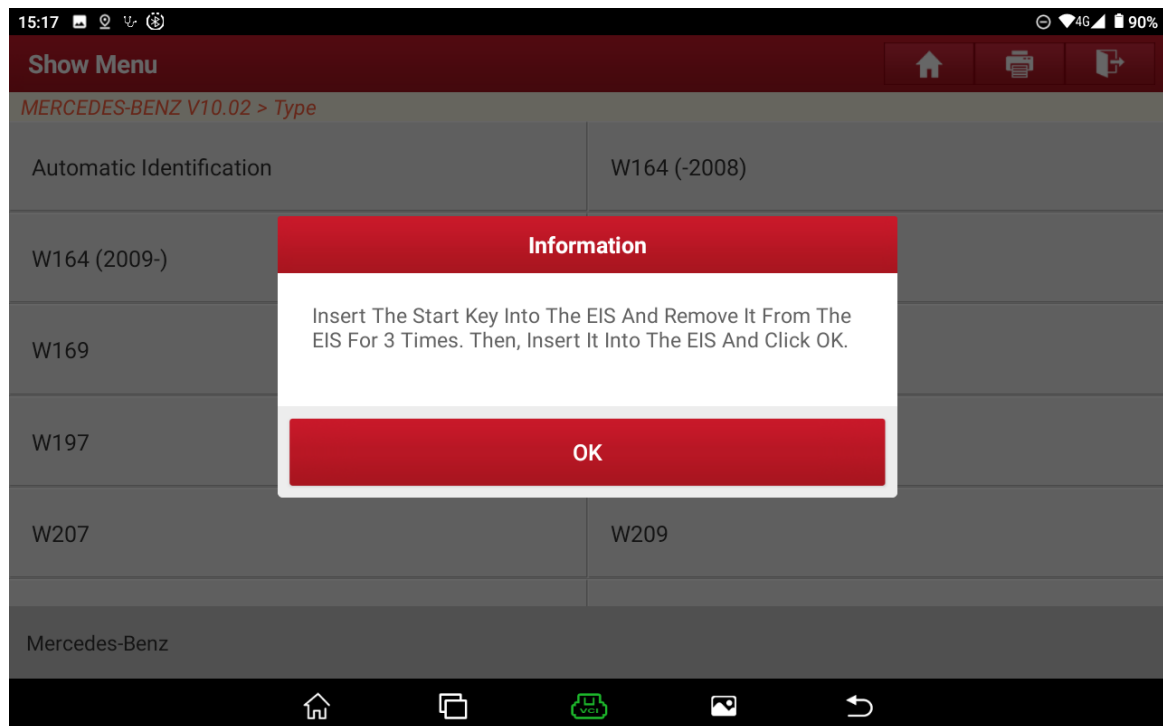


Figure 8

8. After inserting the key into the infrared key hole, click OK, as shown in the figure below.

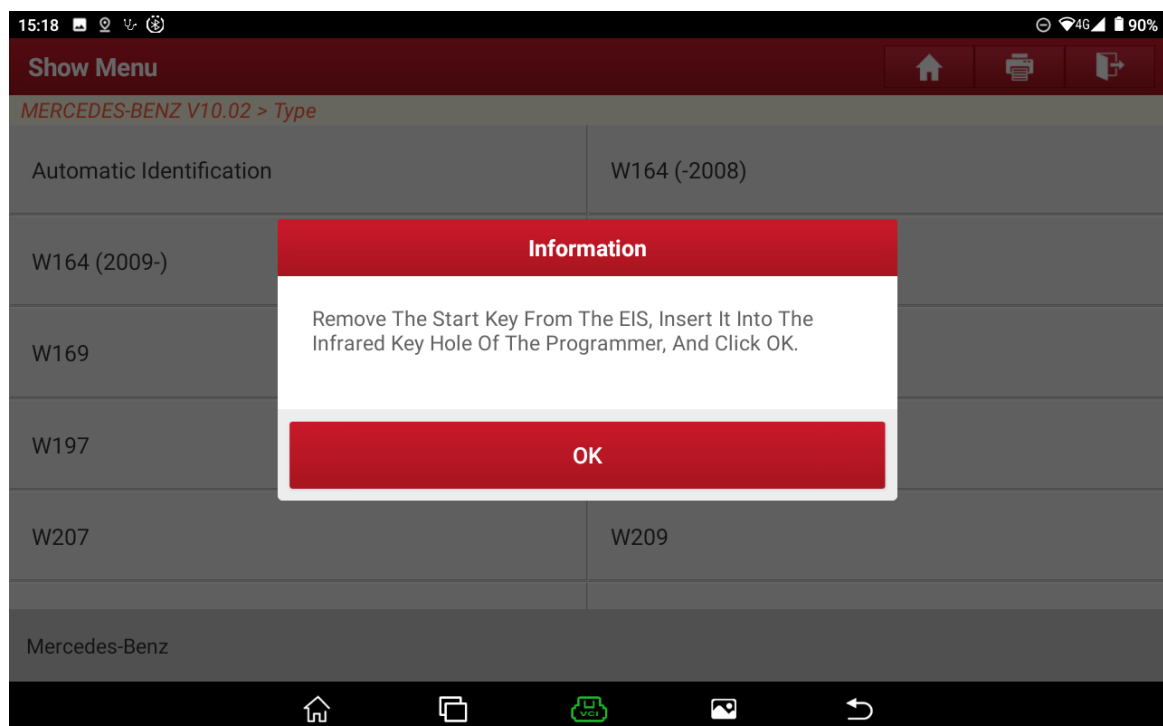


Figure 9

9. Click OK after following the prompts, as shown in the figure below.

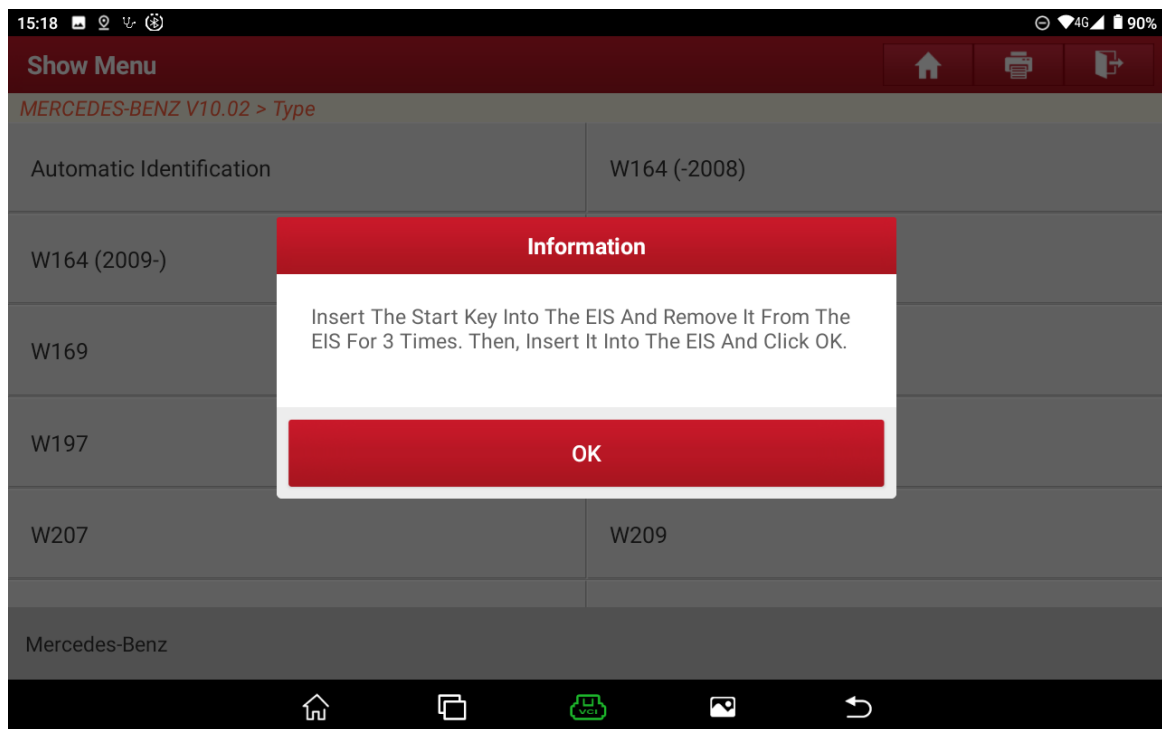


Figure 10

10. Click OK after following the prompts, as shown in the figure below.

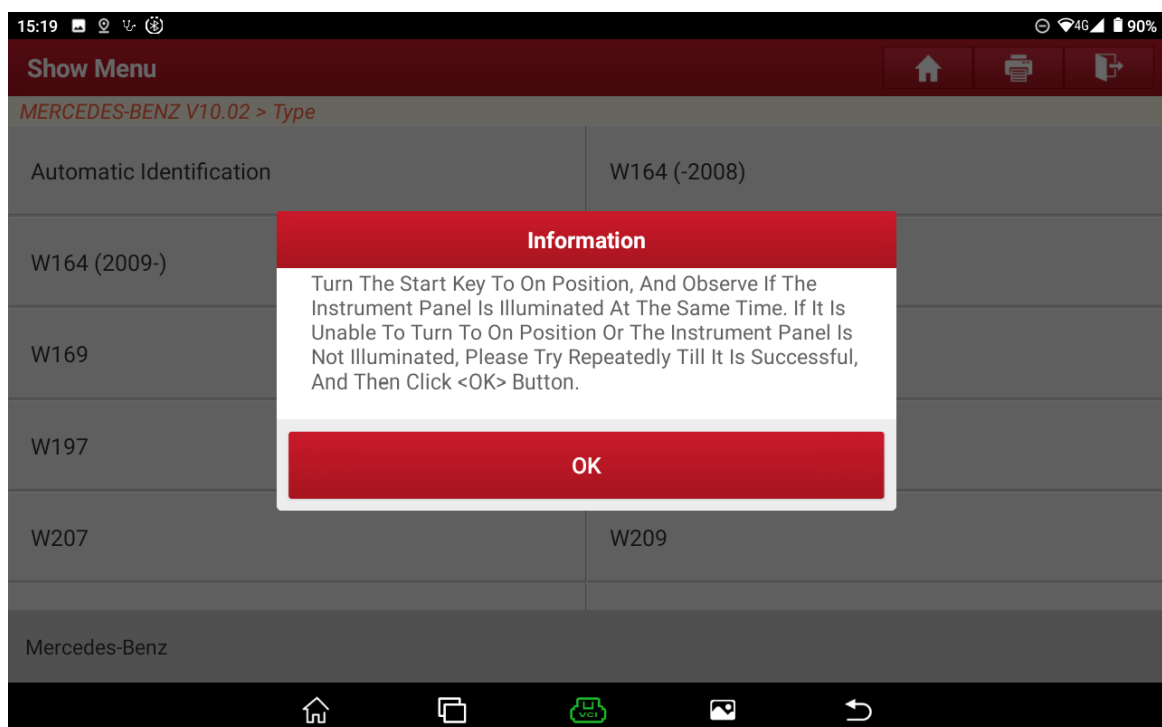


Figure 11

11. After inserting the key into the infrared key hole, click OK, as shown in the figure below.

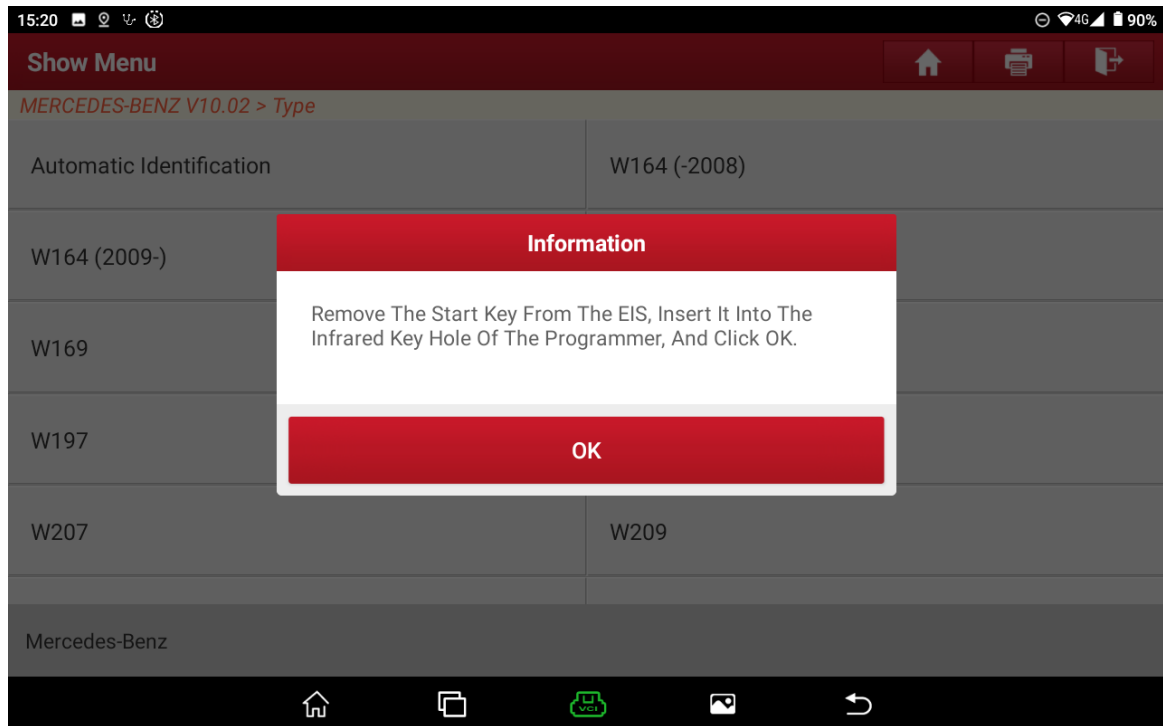


Figure 12

12. Collecting password calculation data...as shown in the figure below.

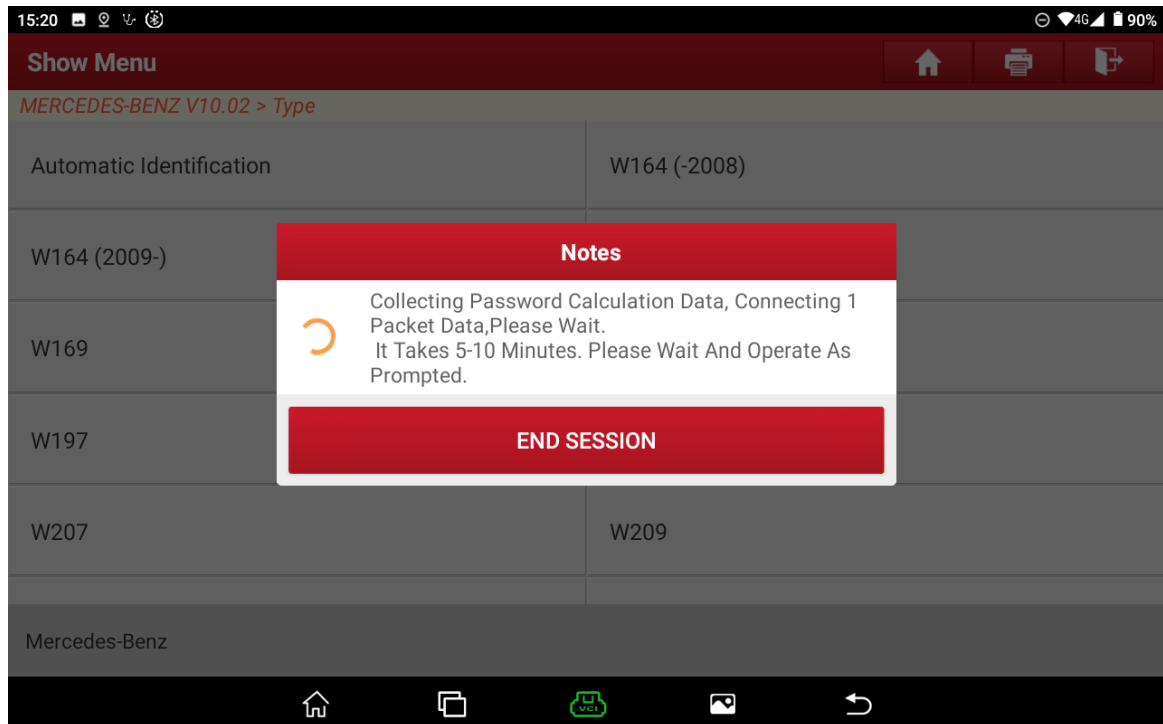


Figure 13

13. Click OK after following the prompts, as shown in the figure below.

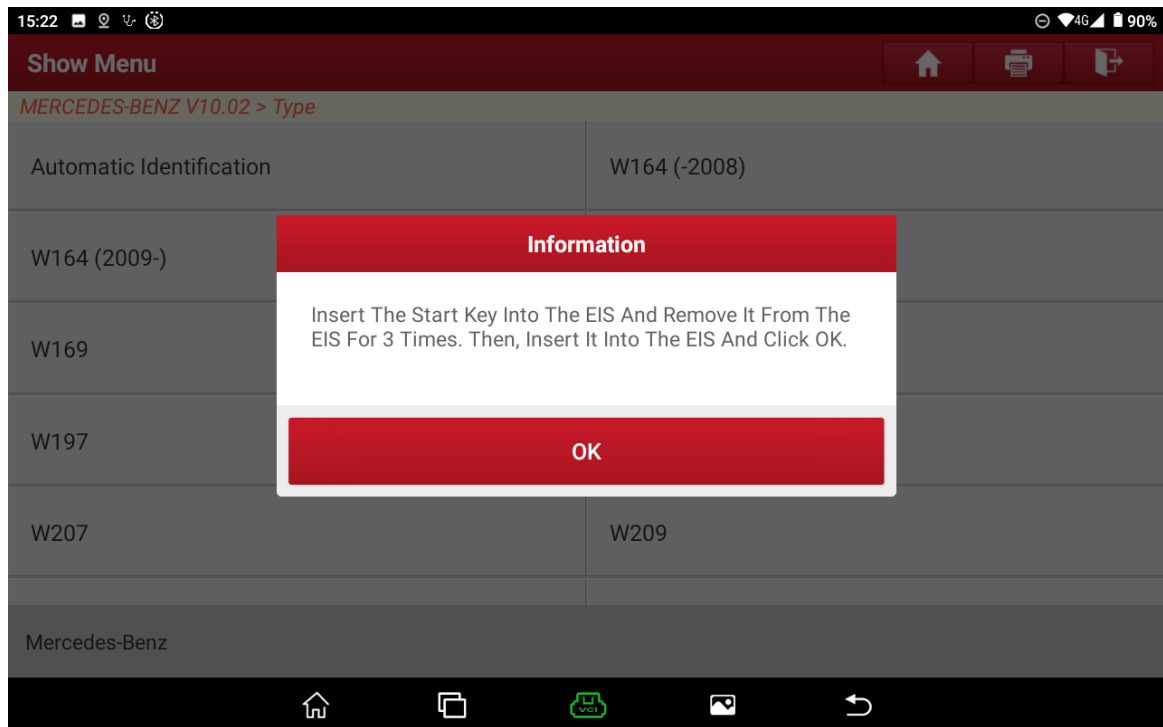


Figure 14

14. Click OK after following the prompts, as shown in the figure below.

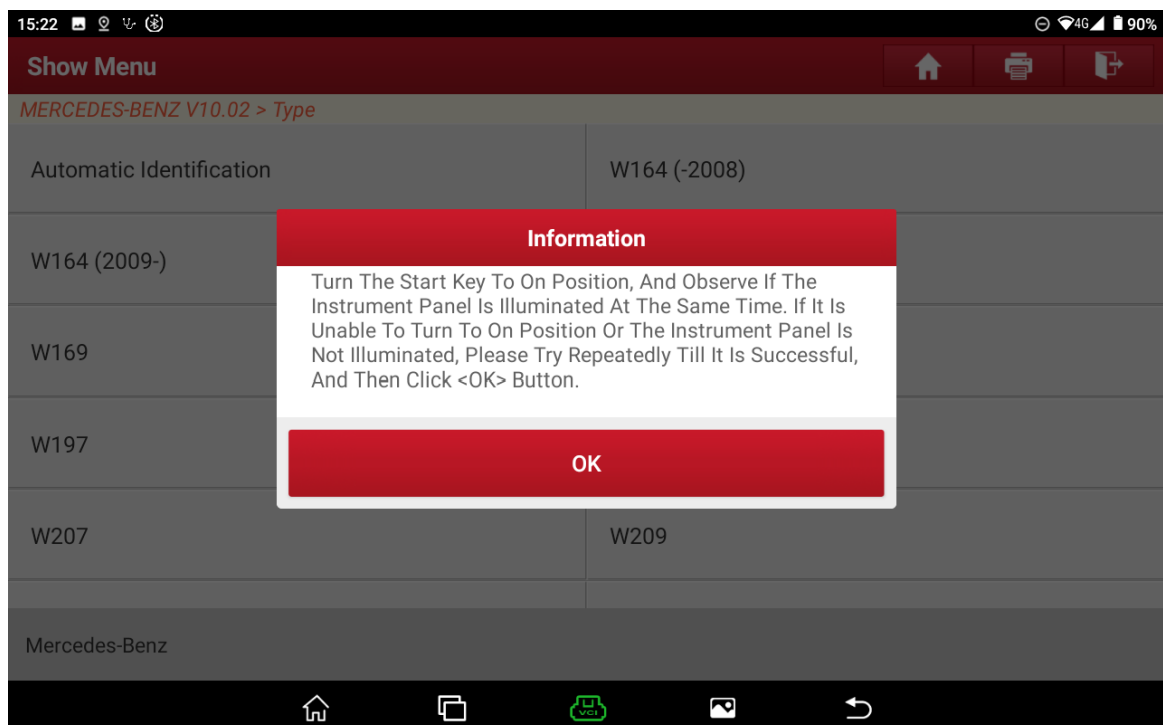


Figure 15

15. Networking to upload data...as shown in the figure below.

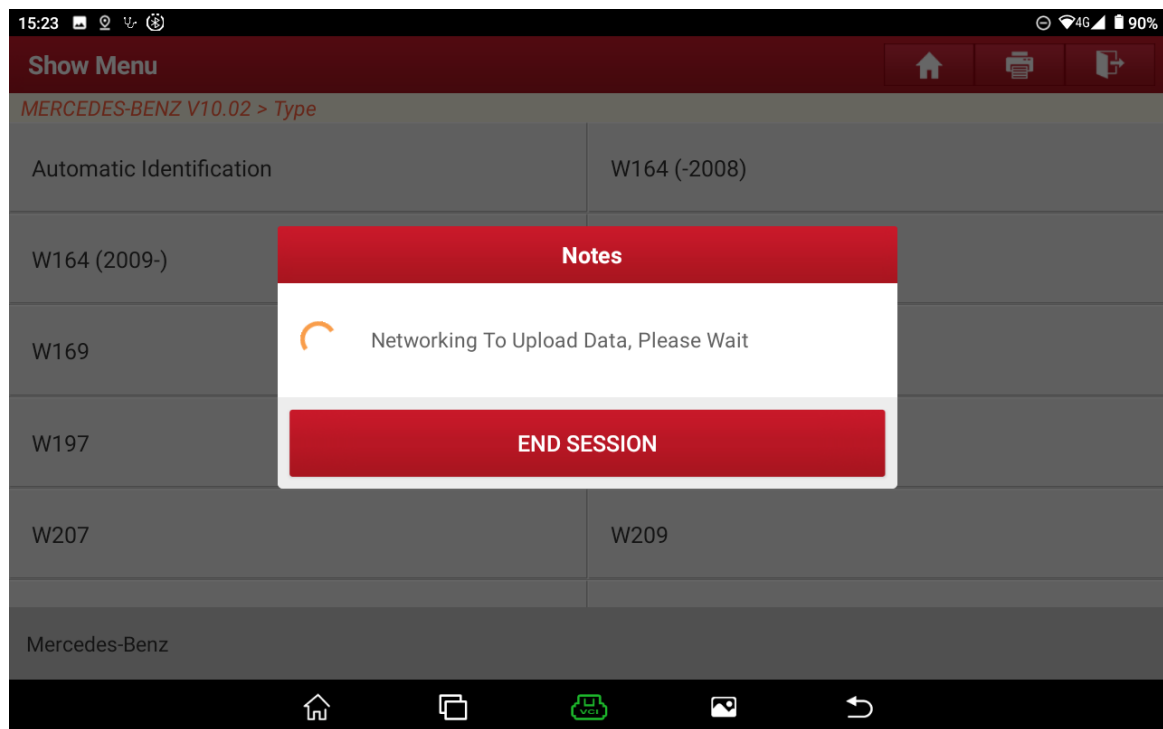


Figure 16

16. After the password is calculated, take screenshots or take pictures, and then click OK, as shown in the figure below.

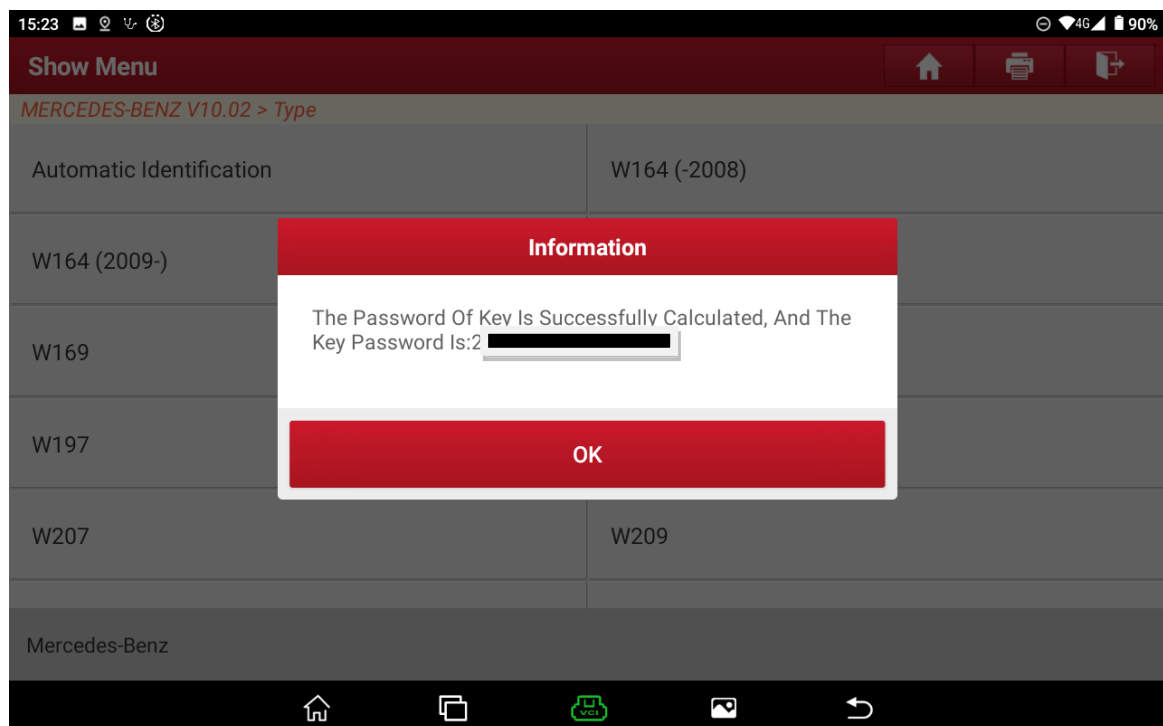


Figure 17

17. Click YES, as shown in the figure below.

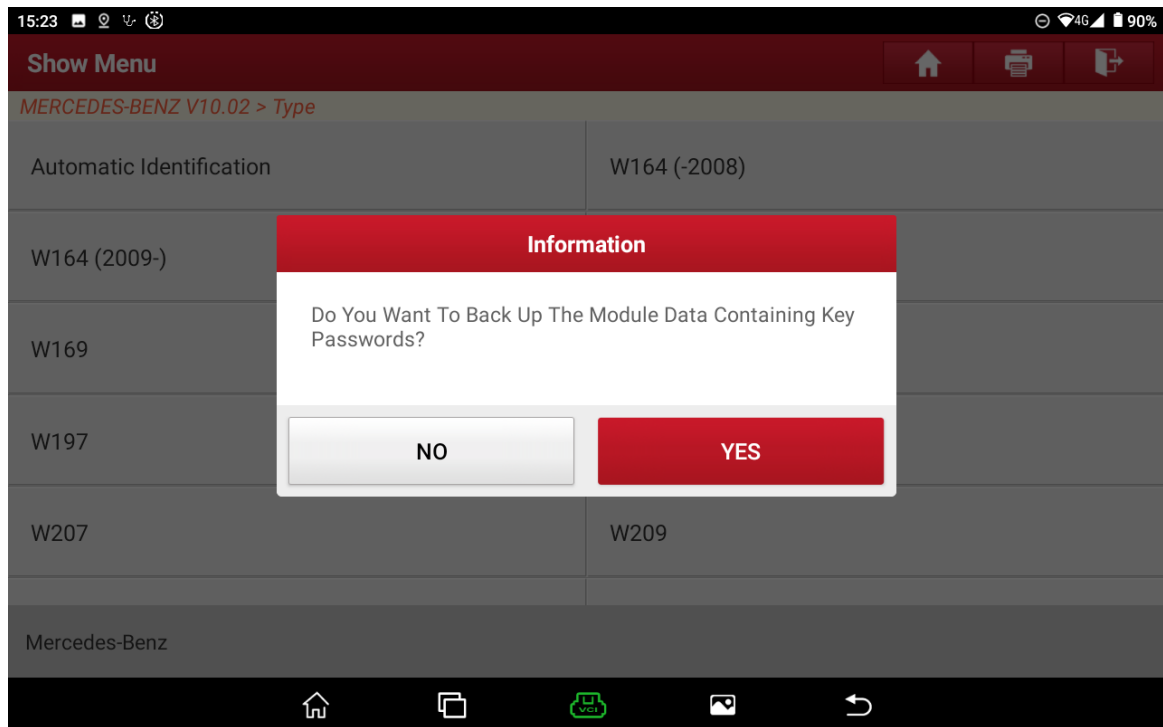


Figure 18

18. After the file is named and saved, click OK, as shown in the figure below.

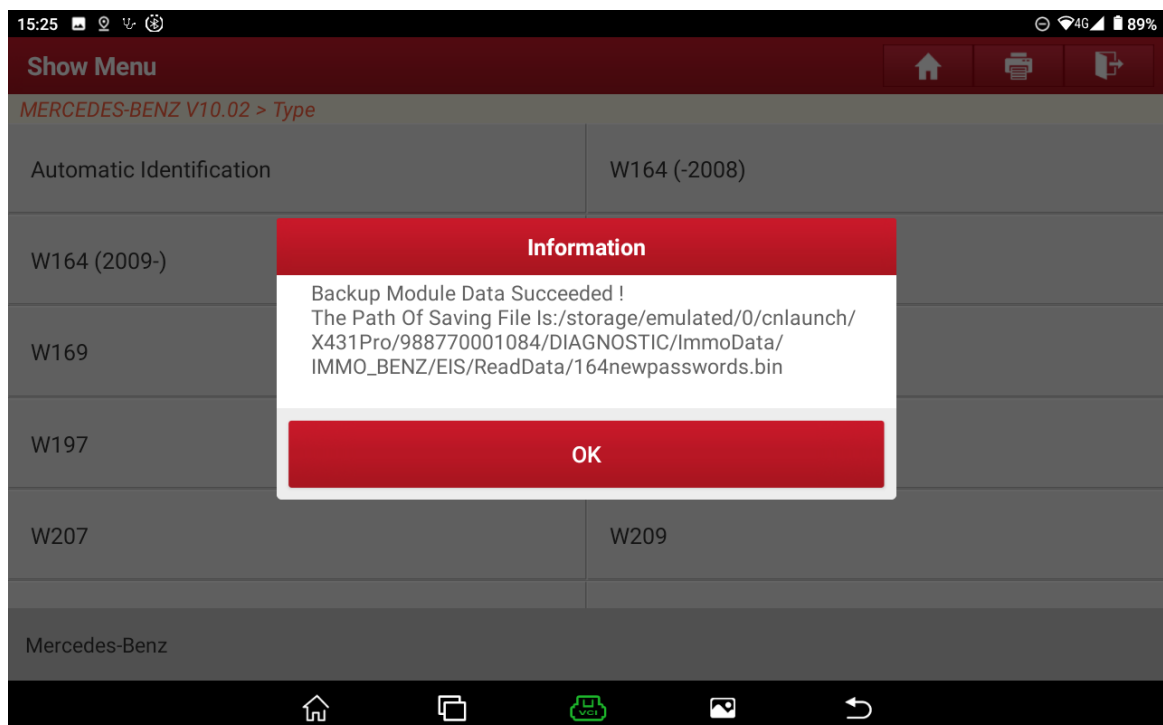


Figure 19

19. Go back to the initial page and click "Immobilizer Module Replacement", as shown in the figure below.

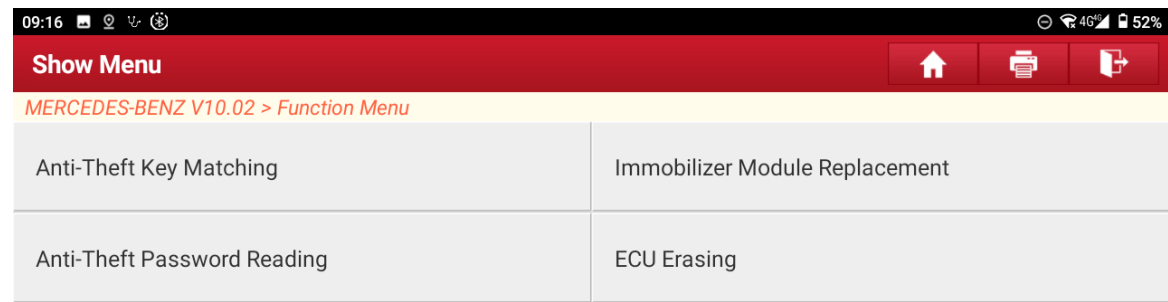


Figure 20

20. Click "Electronic Ignition System (EIS)", as shown in the figure below.

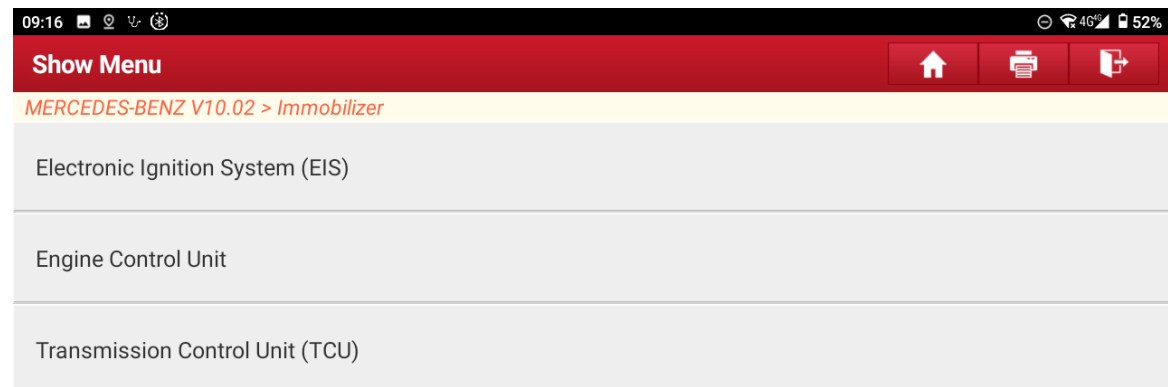


Figure 21

21. Select the menu according to the actual situation. Here, click "Operation On the Platform", as shown in the figure below.

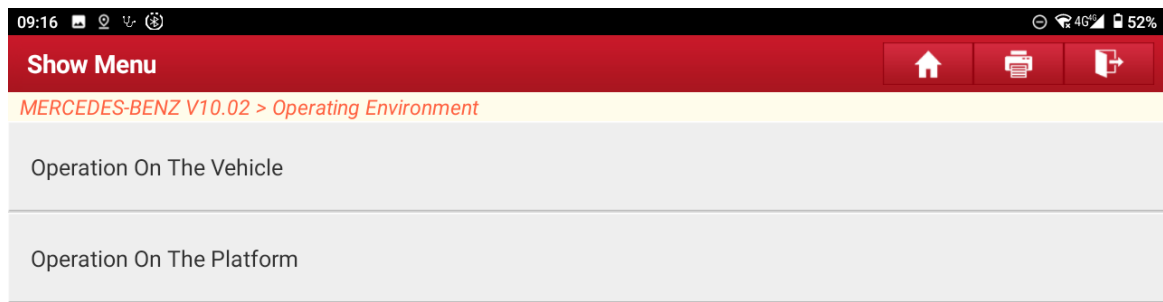


Figure 22

22. Click "Write Data File", as shown in the figure below.

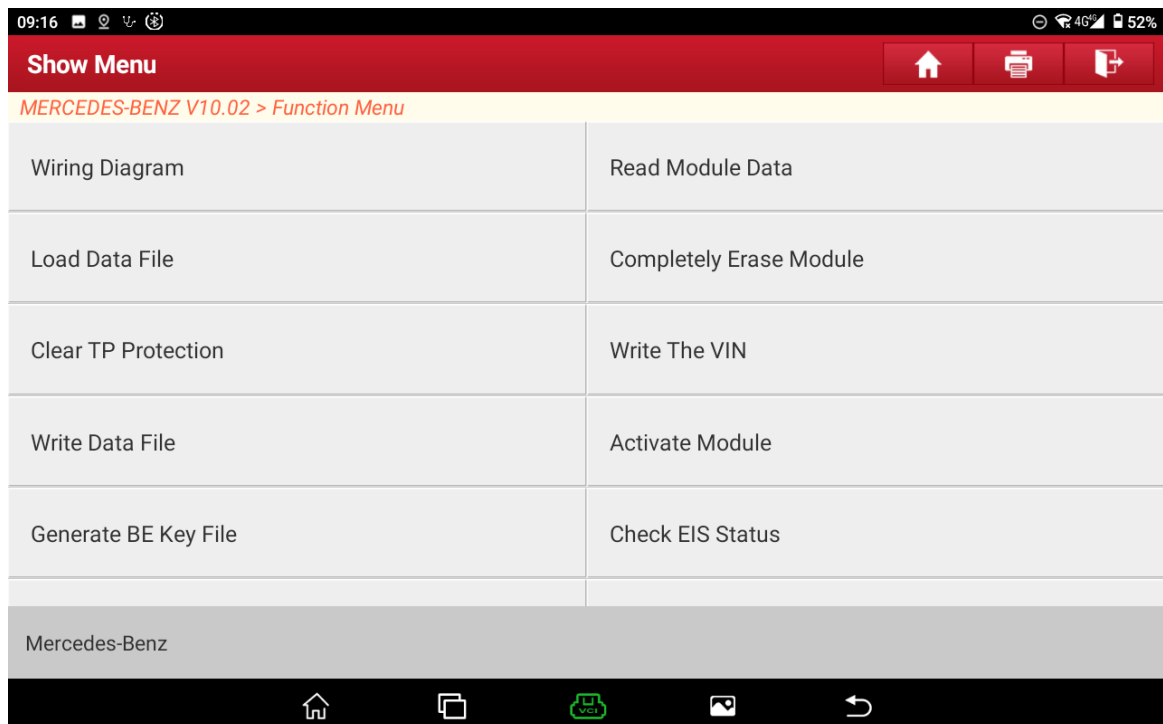


Figure 23

23. Click “Automatic Identification”, as shown in the figure below.

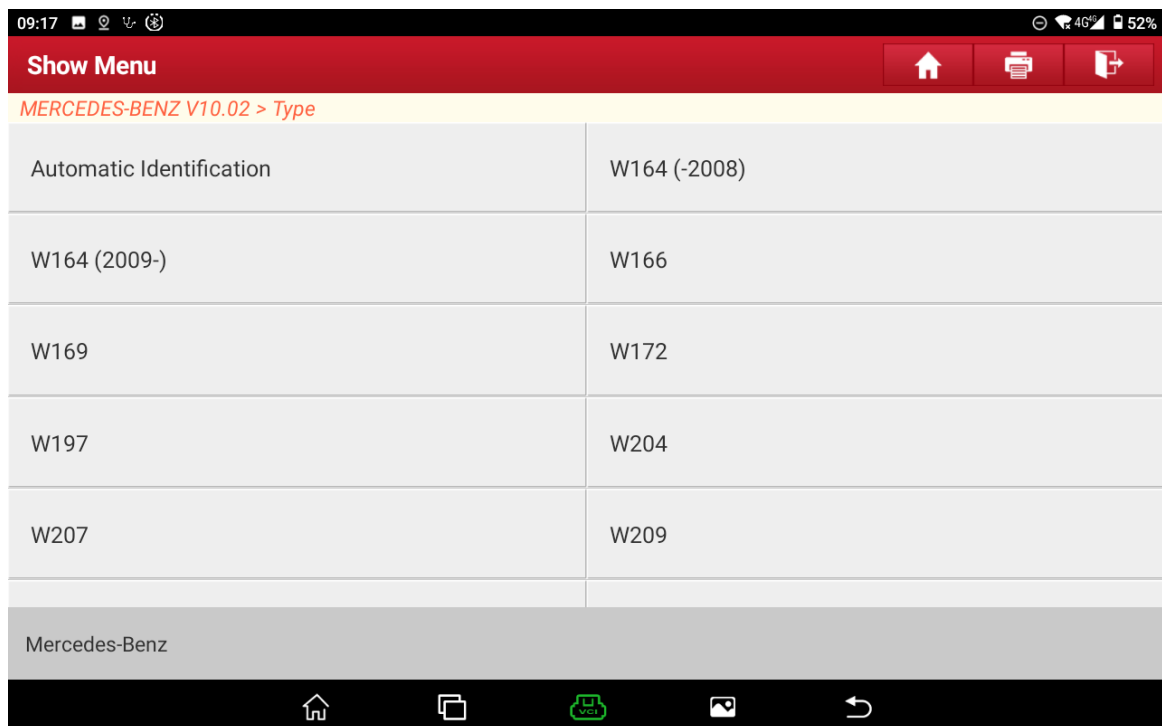


Figure 24

24. The EIS type is identified. Click OK, as shown in the figure below.

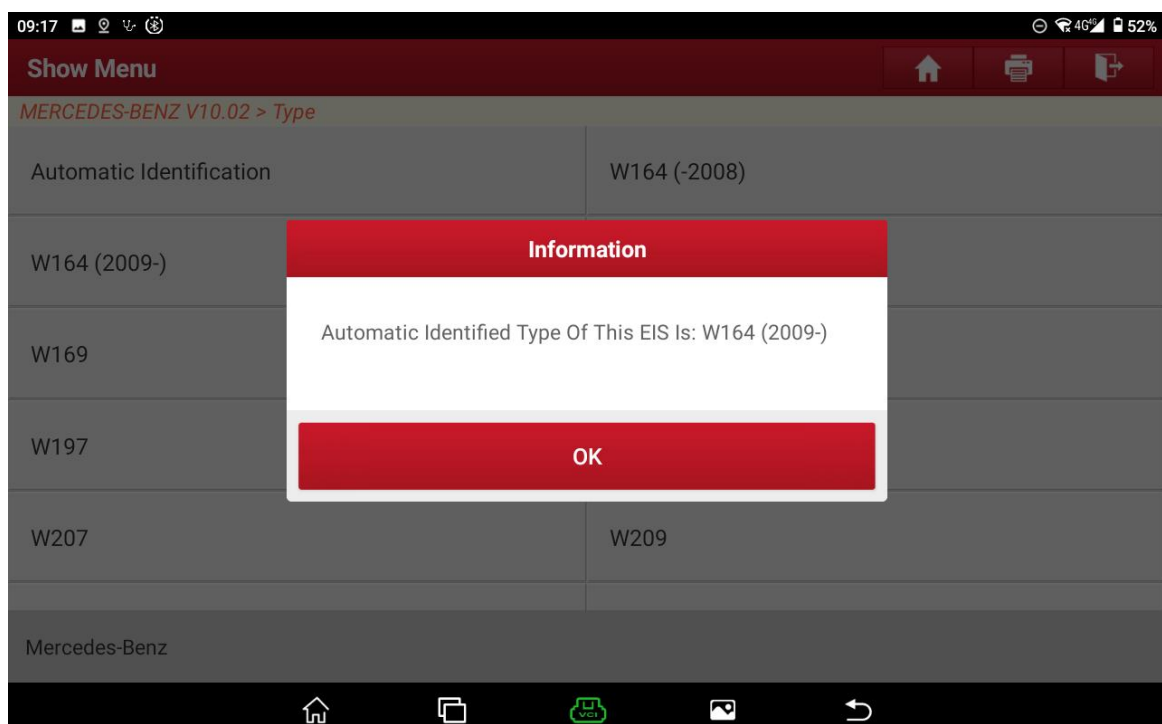


Figure 25

25. Click OK after following the prompts, as shown in the figure below.

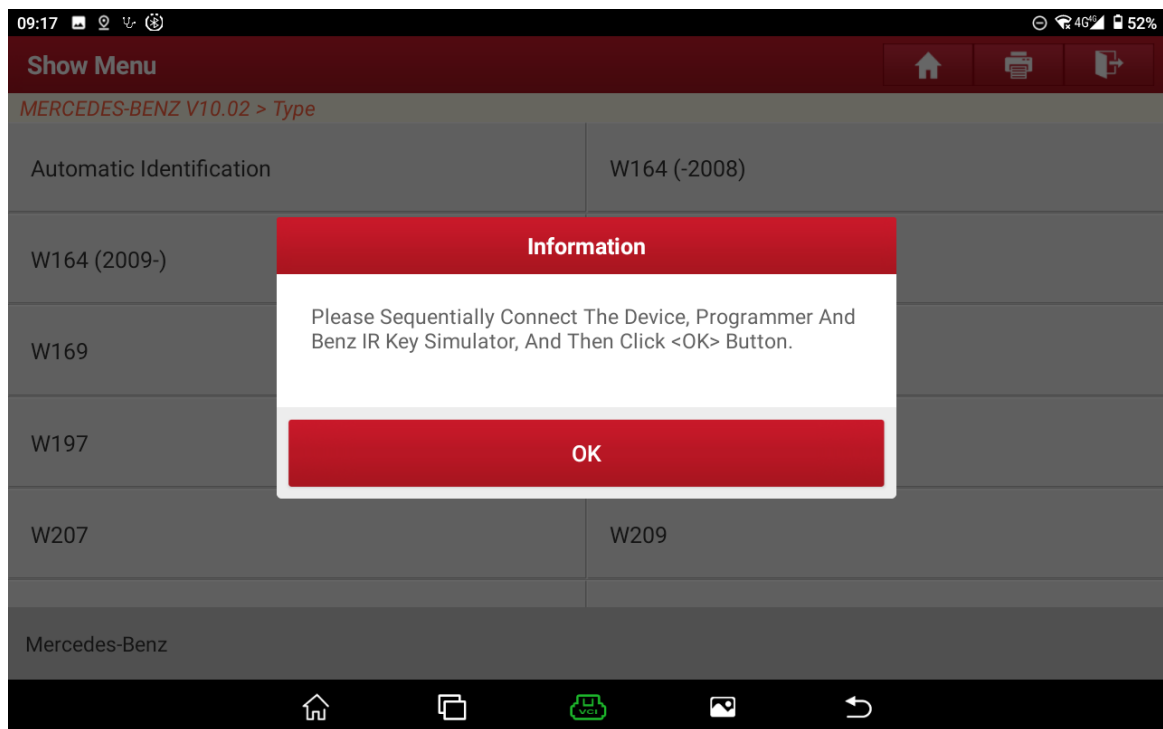


Figure 26

26. Click OK, as shown in the figure below.

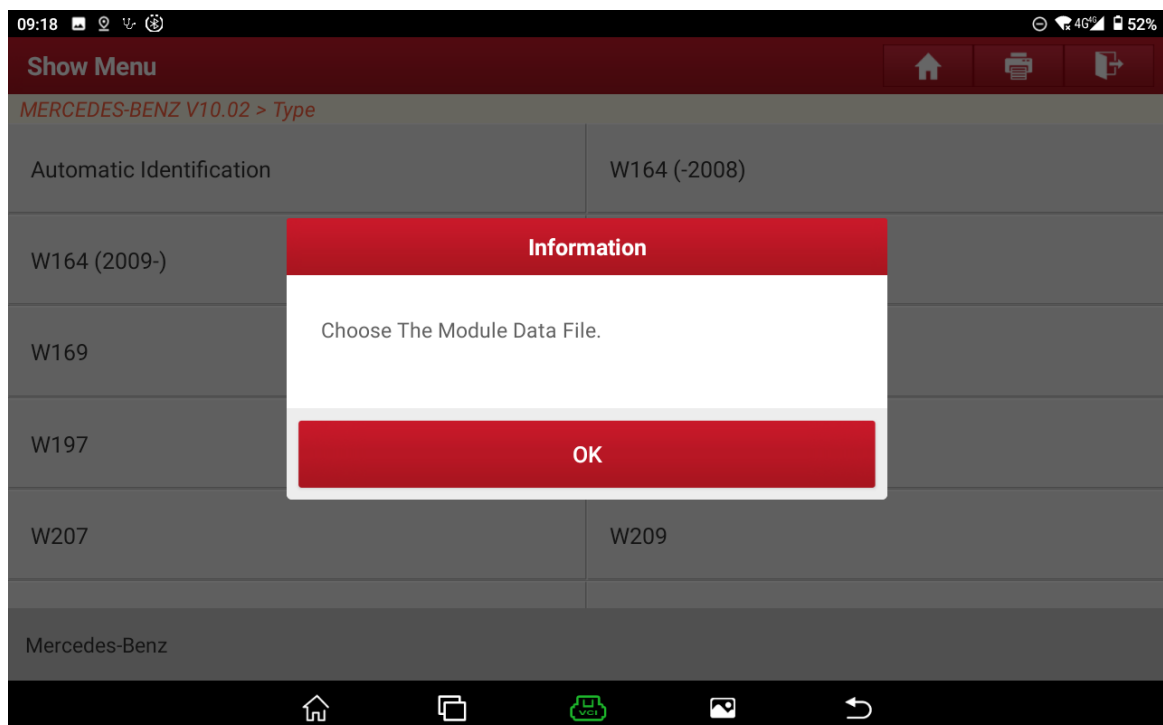


Figure 27

27. Write the data file just saved into an erased or second-hand EIS. Click OK, as shown in the figure below.

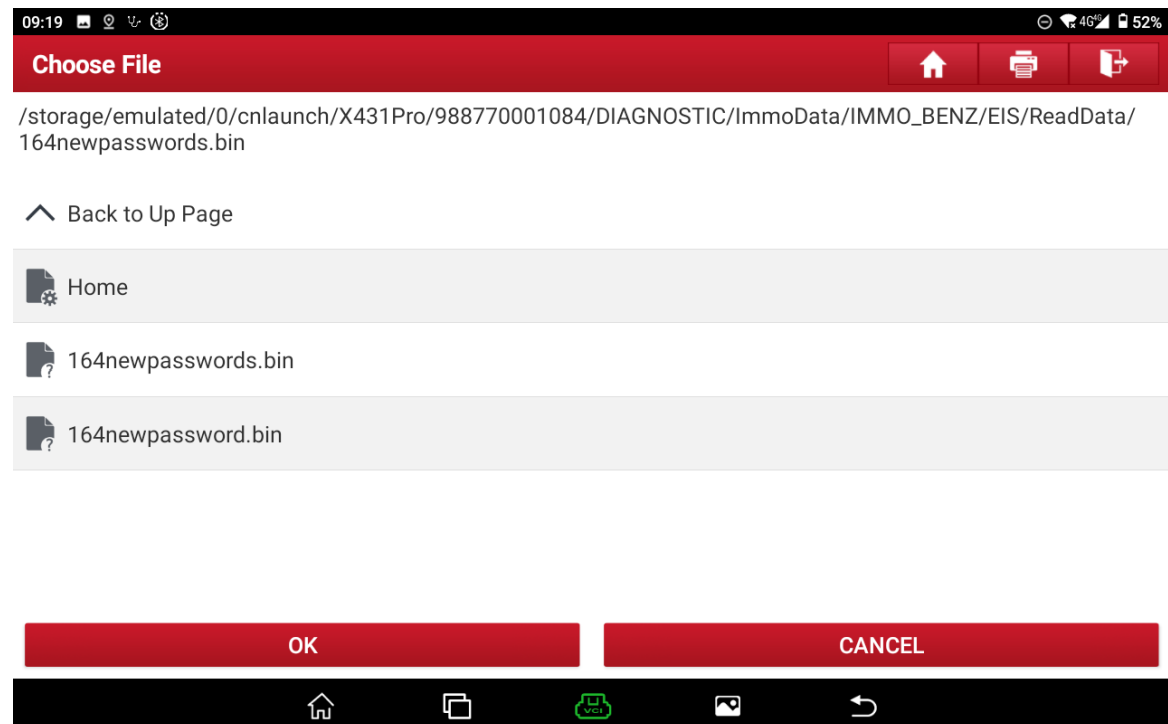


Figure 28

28. Click OK, as shown in the figure below.

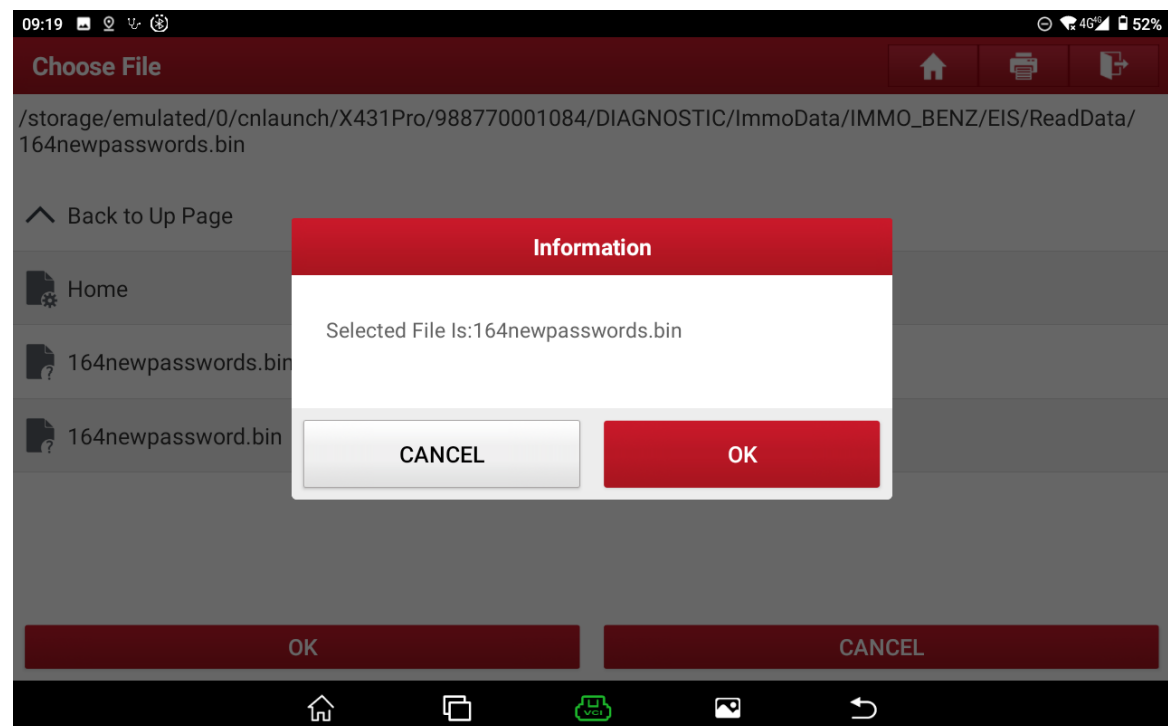


Figure 29

29. Click OK, as shown in the figure below.

The screenshot shows a mobile application interface for Mercedes-Benz. At the top, there is a red header bar with the word "Information" in white. Below the header, there are three icons: a home icon, a printer icon, and a share icon. The main content area has a light gray background. It contains two input sections. The first section is titled "Please Input 17-Digit VIN:" and features a text input field with the prefix "wdc" and a close button (X). Below this, there are three buttons labeled "W", "D", and "C", followed by a long, empty text input field. The second section is titled "Please Input 16-digit Password Of The Key :" and features a text input field with the prefix "27" and a dropdown arrow. At the bottom of the screen, there is a dark gray bar with the text "Mercedes-Benz" on the left and a "Confirm" button on the right. Below this bar is a navigation bar with five icons: a home icon, a folder icon, a green "vcl" icon, a photo icon, and a back icon.

Figure 30

30. Click OK, as shown in the figure below.

The screenshot shows the same mobile application interface as Figure 30, but with an additional dialog box displayed. The dialog box has a red header bar with the word "Information" in white. The main content area of the dialog box is white and contains the text: "Some EIS Only Support Writing VIN For Once, Please Carefully Check The VIN!". At the bottom of the dialog box, there is a red button labeled "OK". The background of the application is dimmed. The top header bar and the bottom navigation bar are the same as in Figure 30.

Figure 31

31. Click OK, as shown in the figure below.

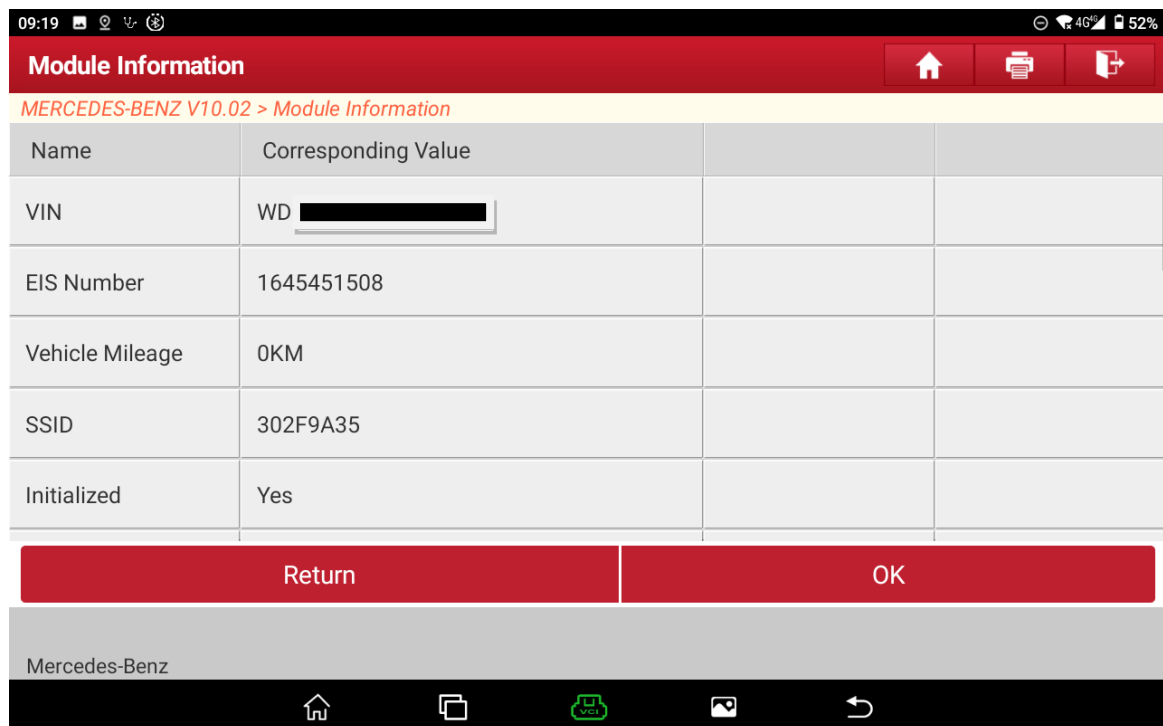


Figure 32

32. Operate according to the prompts, as shown in the figure below.

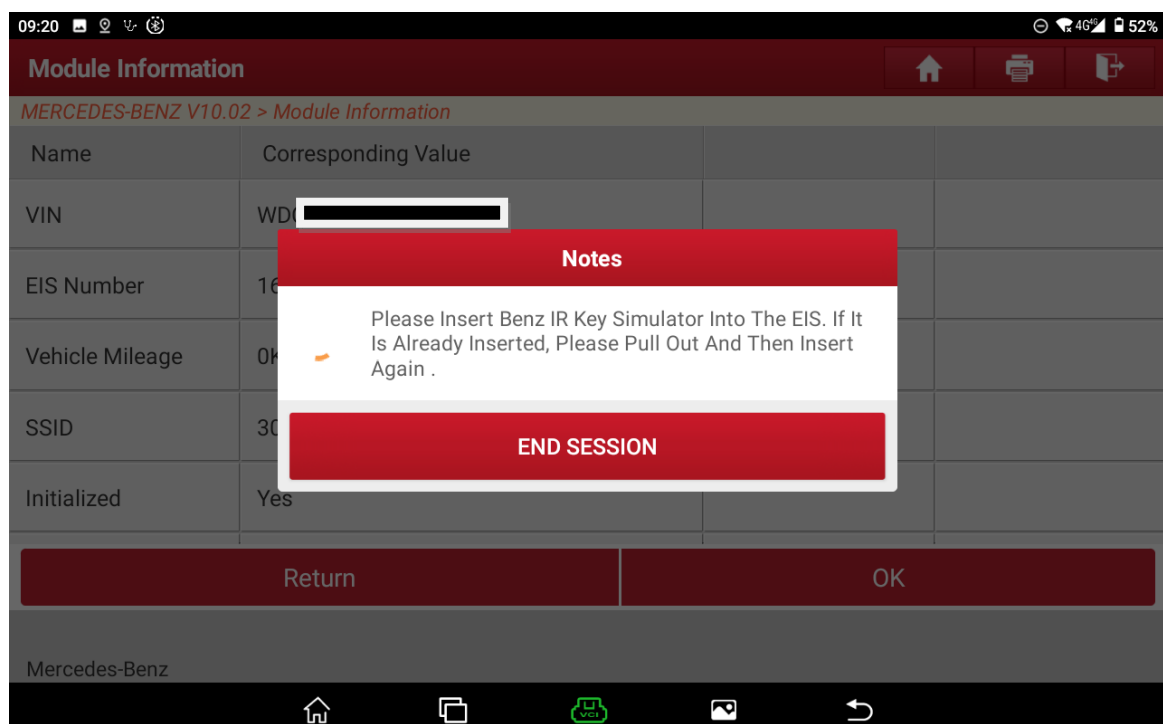


Figure 33

33. The data file is successfully written. Click "YES", as shown in the figure below.

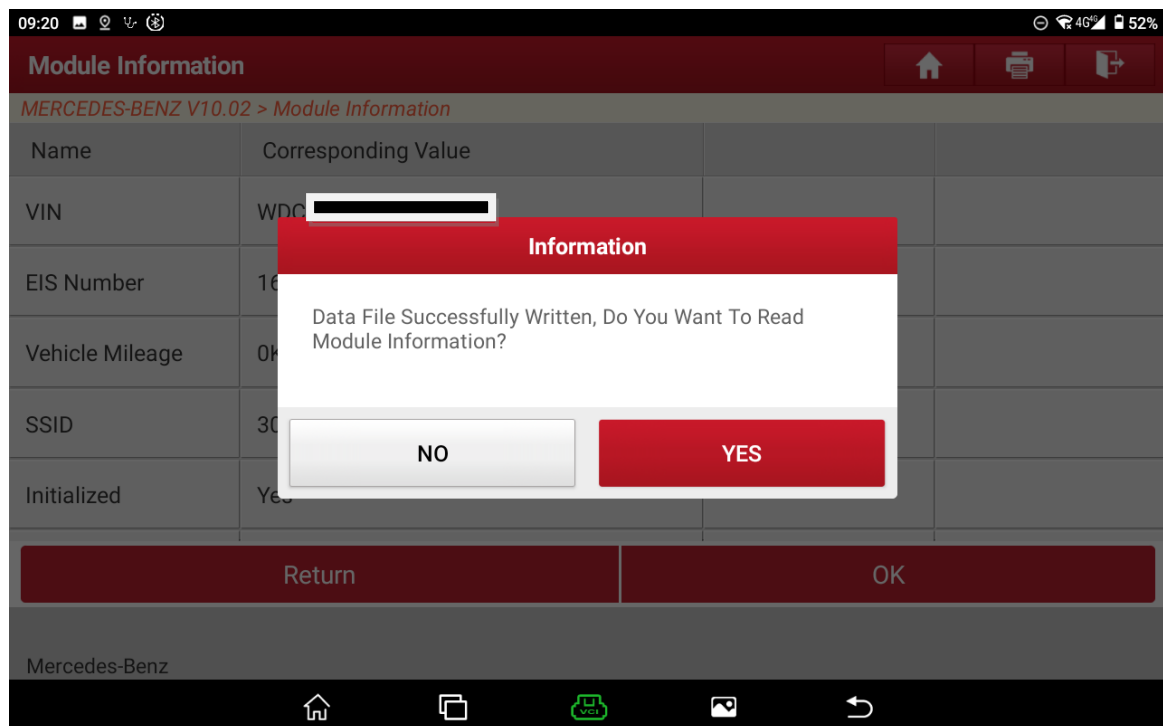


Figure 34

34. The information after writing is displayed. Click OK, as shown in the figure below.

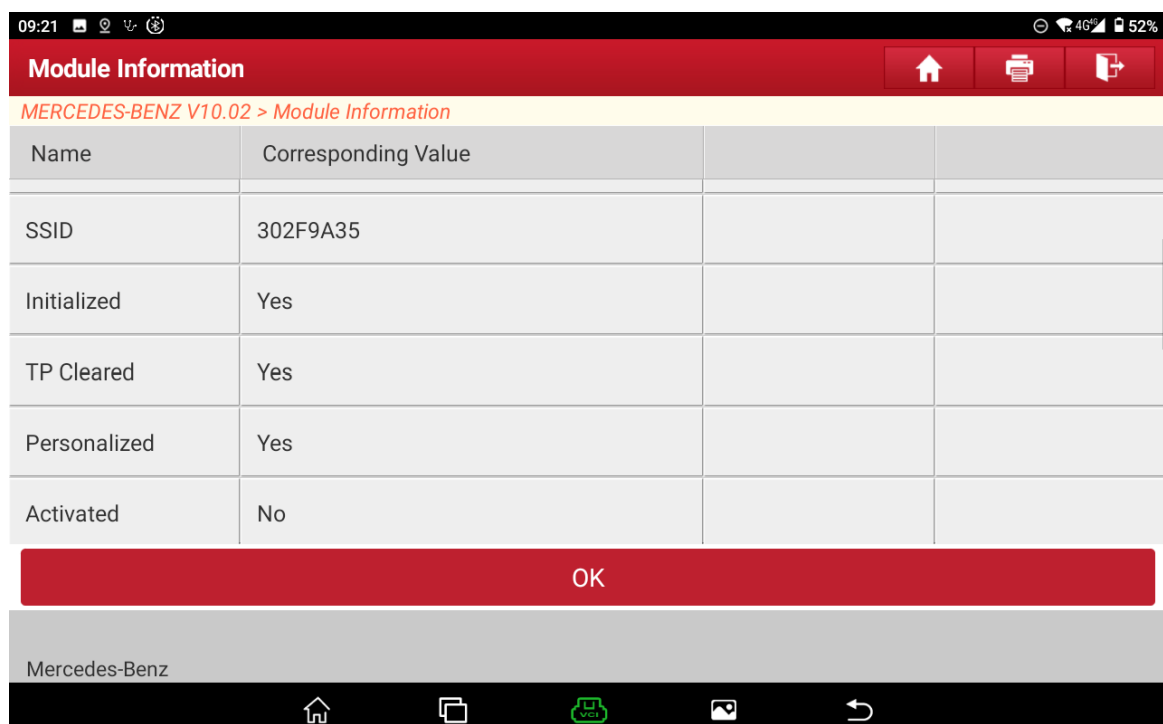


Figure 35

35. Install the EIS on the car, insert the original car key to automatically activate the EIS, and then start the car. EIS replacement is completed.

9. Engine/Gearbox Computer Clone

9.1 Model Coverage

Gearbox (VGS2-FCVT)
Gearbox (VGS-FDCT)
Gearbox (VGS2-FDCT)
Gearbox (9G_Tronic)
Engine (TC1793)
Engine (TC1797)
Engine (TC1796)
Engine (TC1767)
Engine (EDC16C32)
Engine (EDC16CP31)
Engine (EDC16C2)
Engine (EDC16CP36)

9.2 Requirements

Scheme 1: Launch pad series comprehensive diagnostic equipment + X-431 gIII immobilizer programmer

Scheme 2: Launch X-431 Pro immobilizer matching tool (expert edition) + X-431 gIII immobilizer programmer

9.3 Procedure

The engine/transmission computer cloning process is similar, and the following is 9g_ Tronic transmission computer clone.

1. Choose [Gearbox] > [Benz] > [VGS-NAG3], as shown in Figure 2.

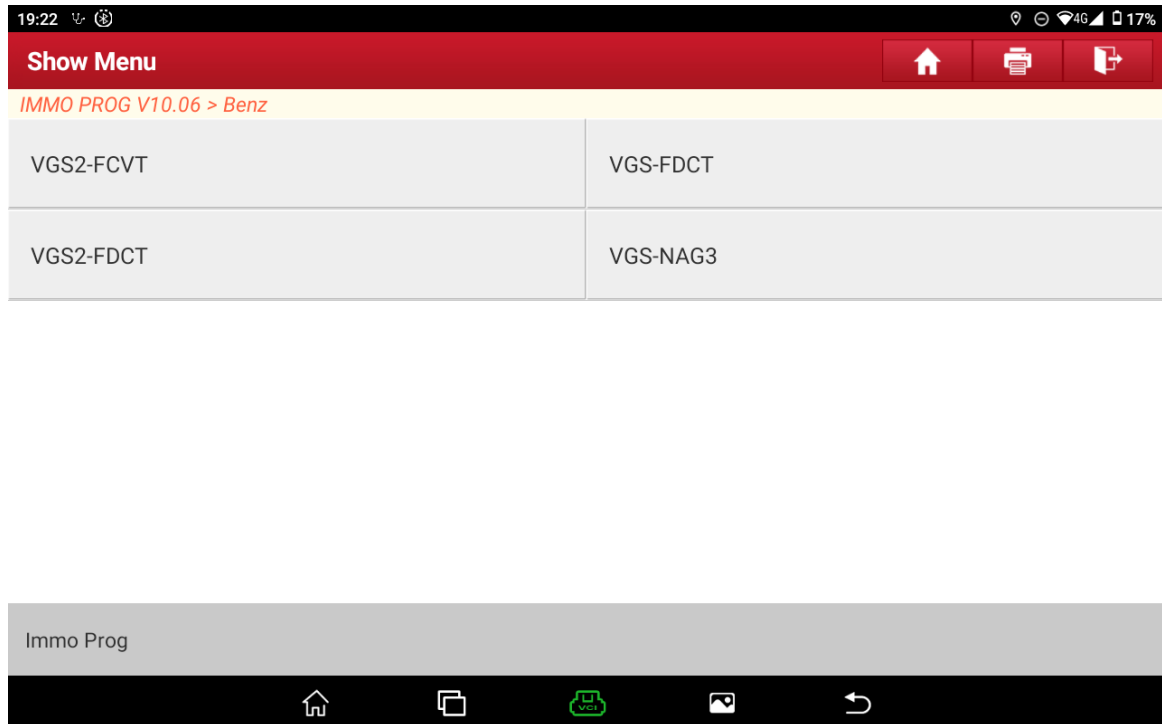


Figure 2

2. Due to the large amount of data when reading and writing, in order to improve communication stability, use USB to connect, as shown in Figure 3.

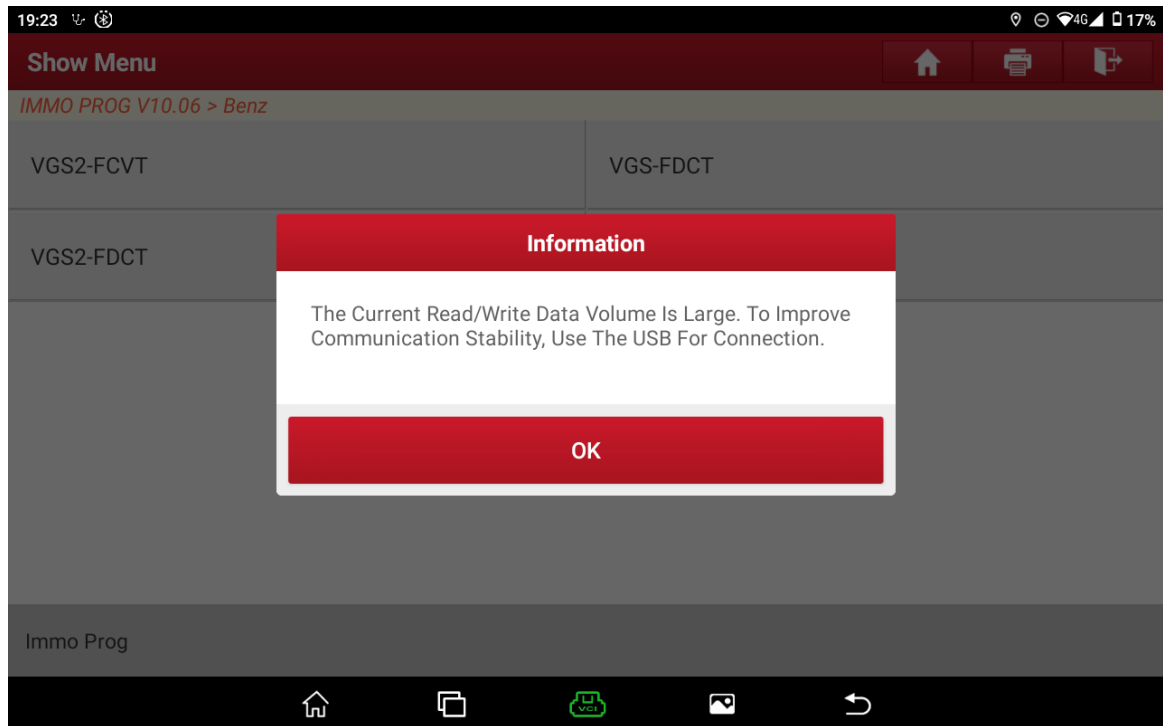


Figure 3

3. Click [OK] to execute the [Connect] function first, as shown in Figure 4.

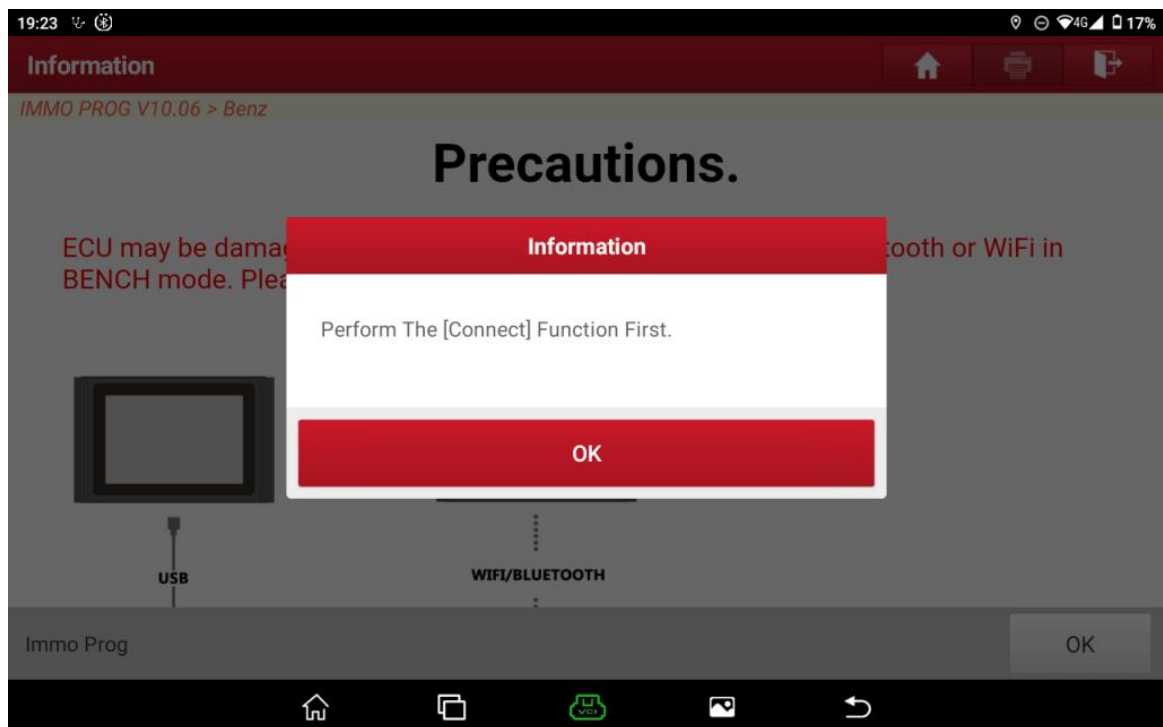


Figure 4

- Choose [View Wiring Diagram] to dismantle the original car gearbox and connect it to the immobilizer programmer with a wire harness.

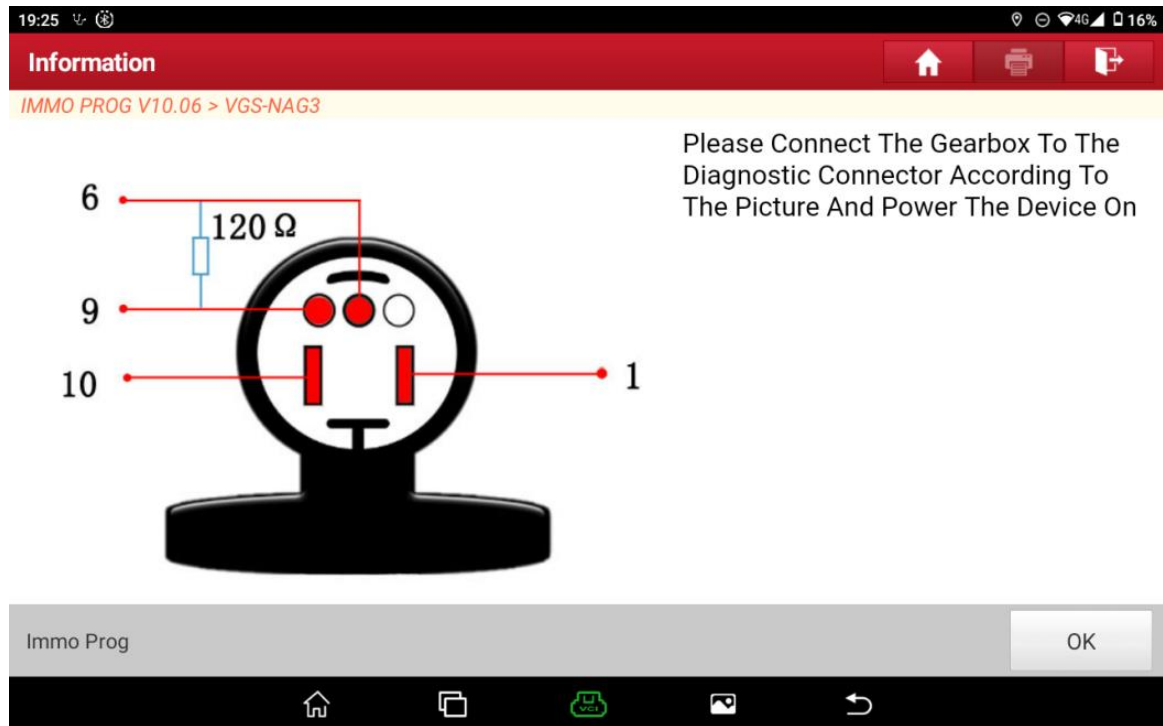


Figure 5

- Before performing other functional operations, execute the [Connect] function first to verify whether the gearbox and the programmer are connected, as shown in Figure 6 and Figure 7.

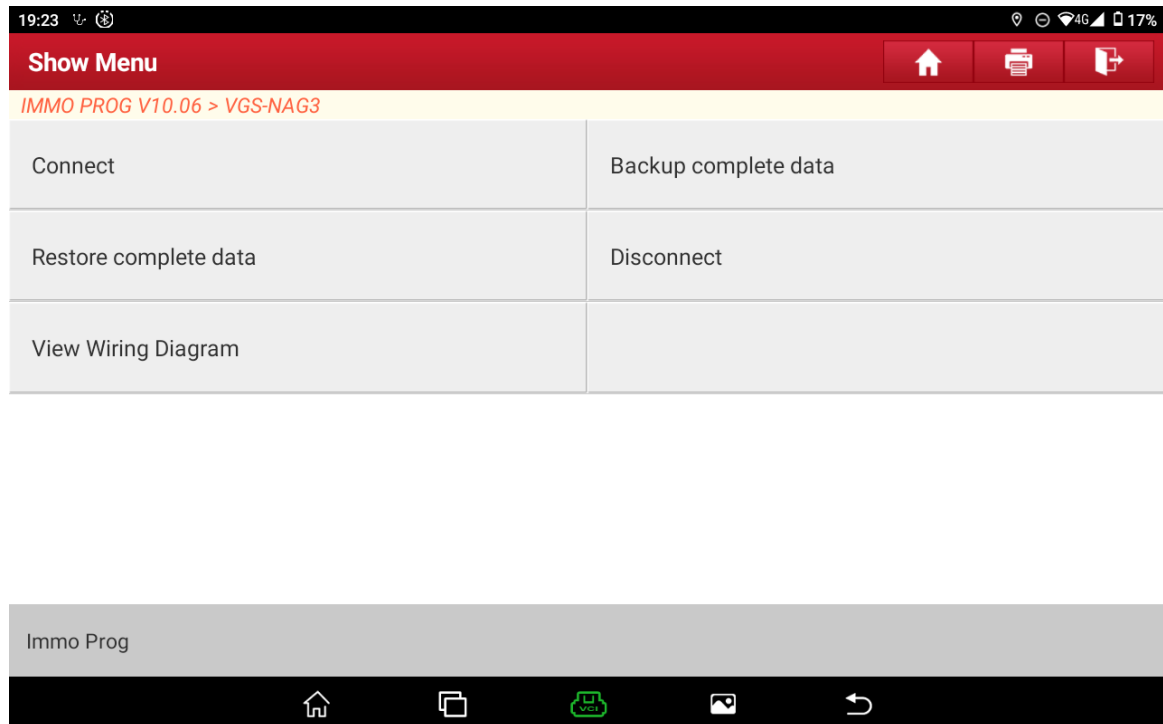


Figure 6

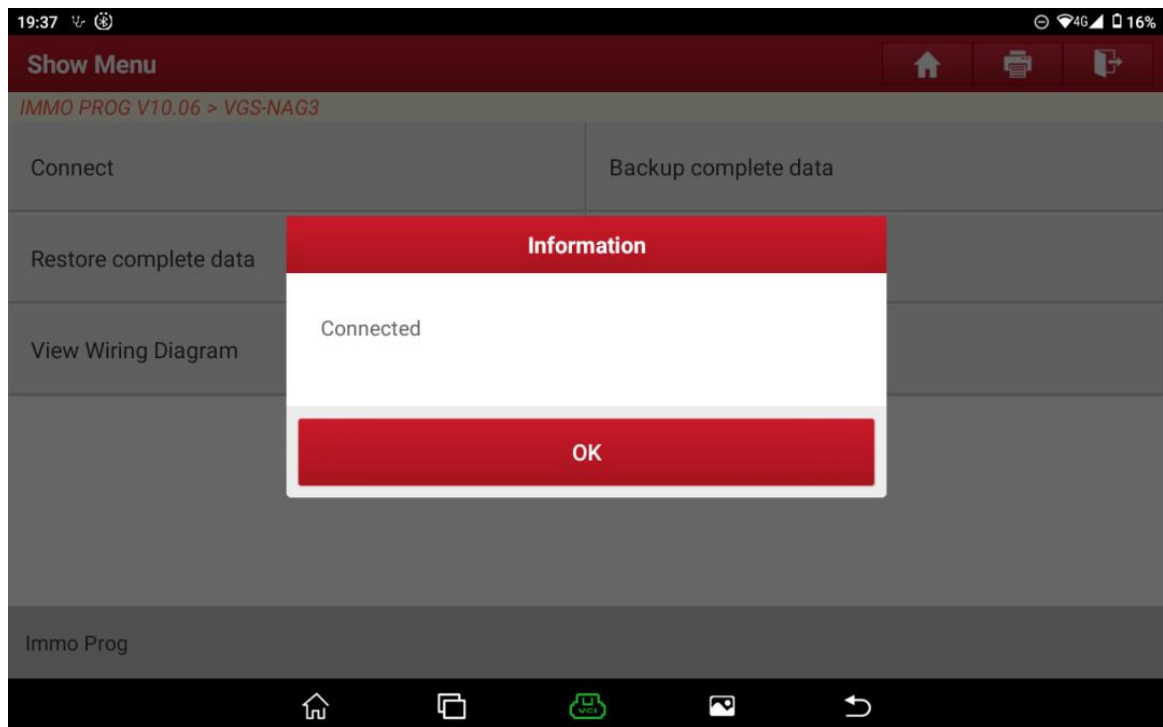


Figure 7

6. Click OK and then click [Backup complete data] (as shown in Figure 8 and Figure 9) to back up and save the internal data of the original car gearbox, as shown in Figure 10 and Figure 11.

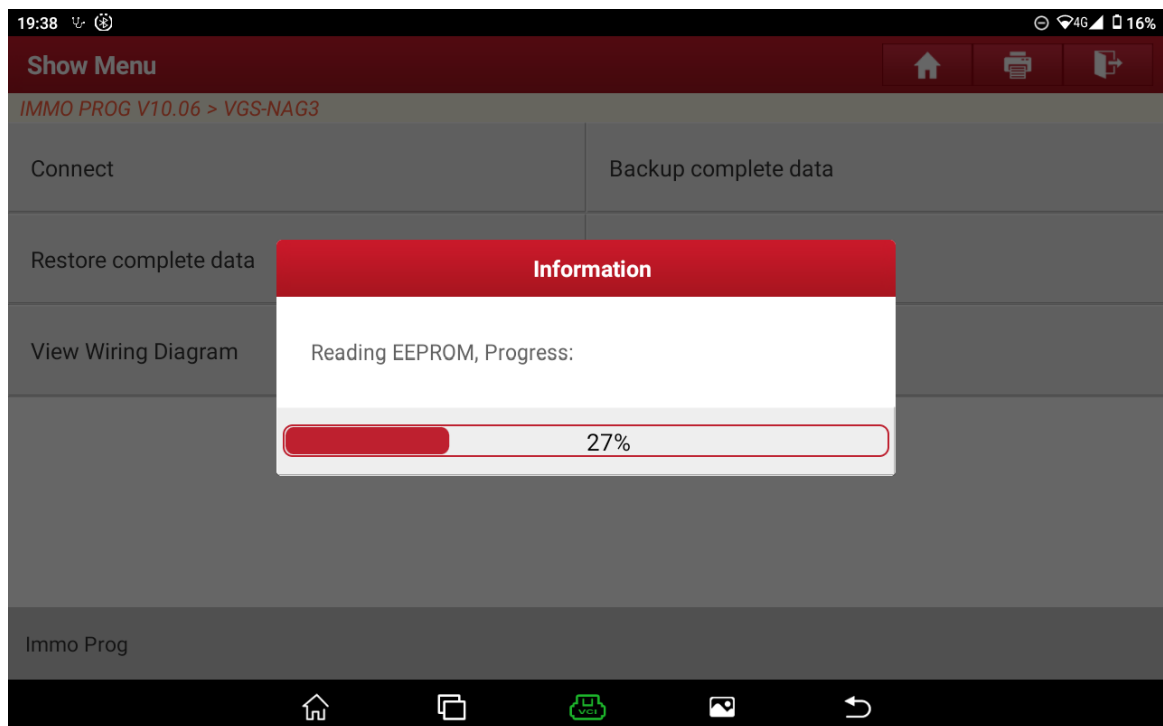


Figure 8

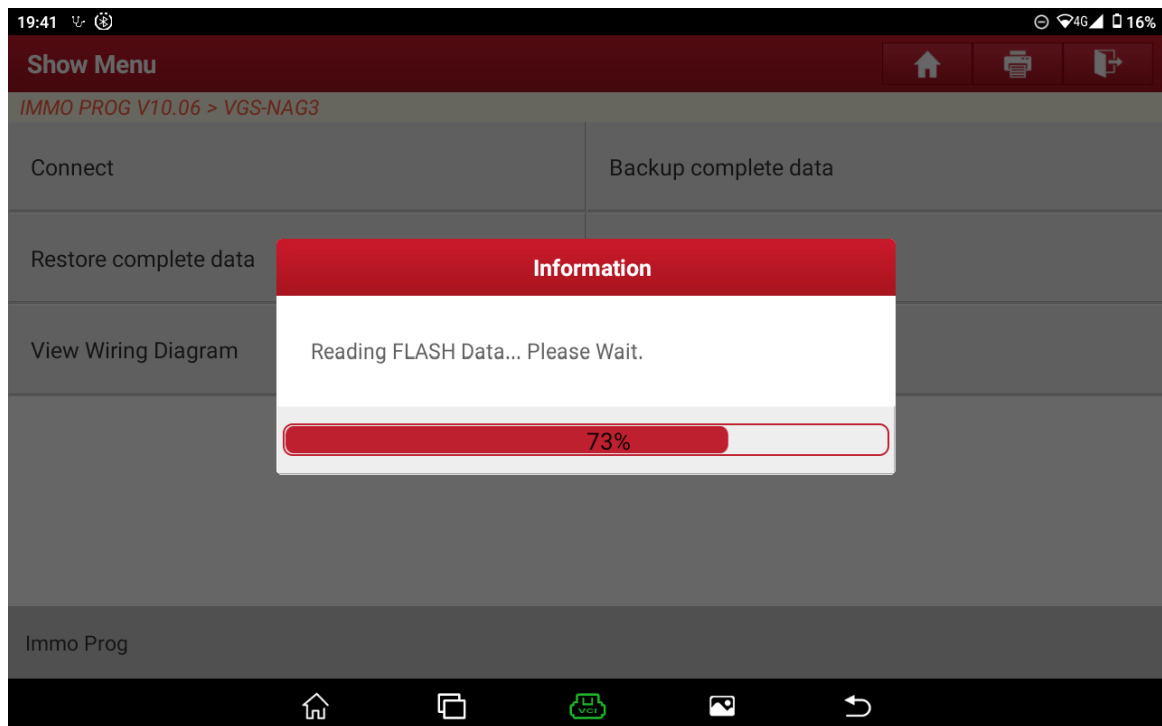


Figure 9

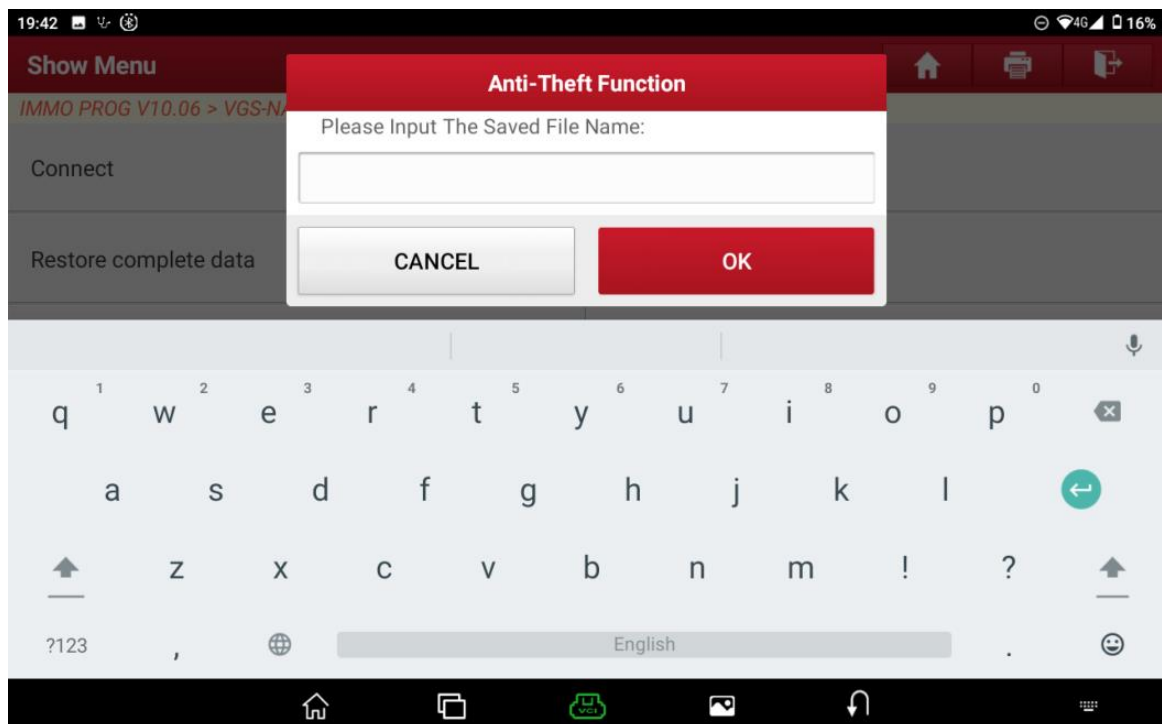


Figure 10

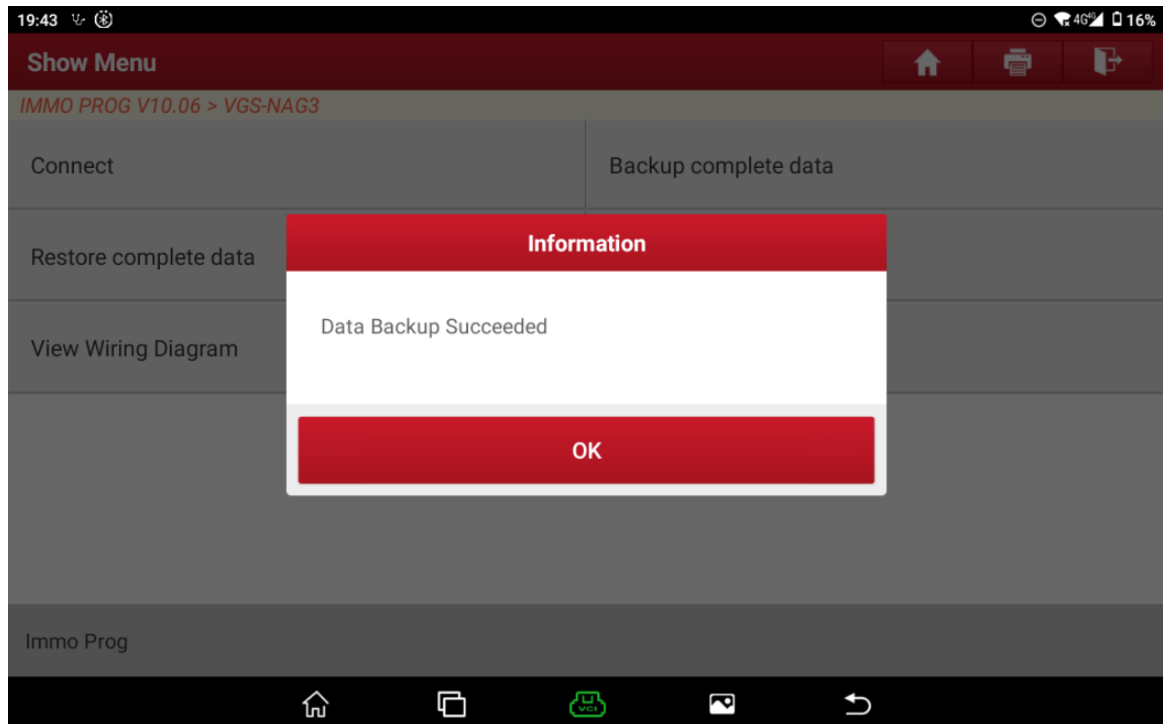


Figure 11

- Click [Disconnect] to disconnect the original car gearbox from the immobilizer programmer, as shown in Figure 12.

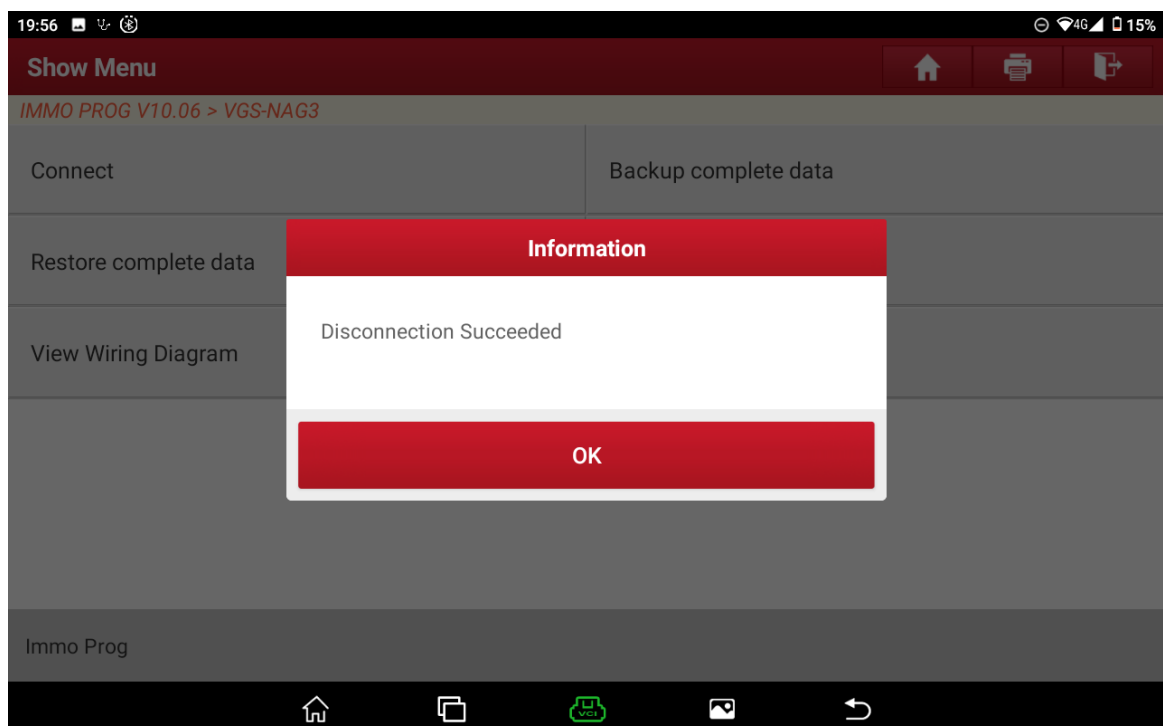


Figure 12

8. Perform steps 5 and 6 to connect the external gearbox to the immobilizer programmer.
9. Click [Restore complete data] and select the data backed up in step 7, as shown in Figure 13. Click [Yes], and write the data of the original car gearbox to the external gearbox, as shown in Figure 14, Figure 15, and Figure 16.

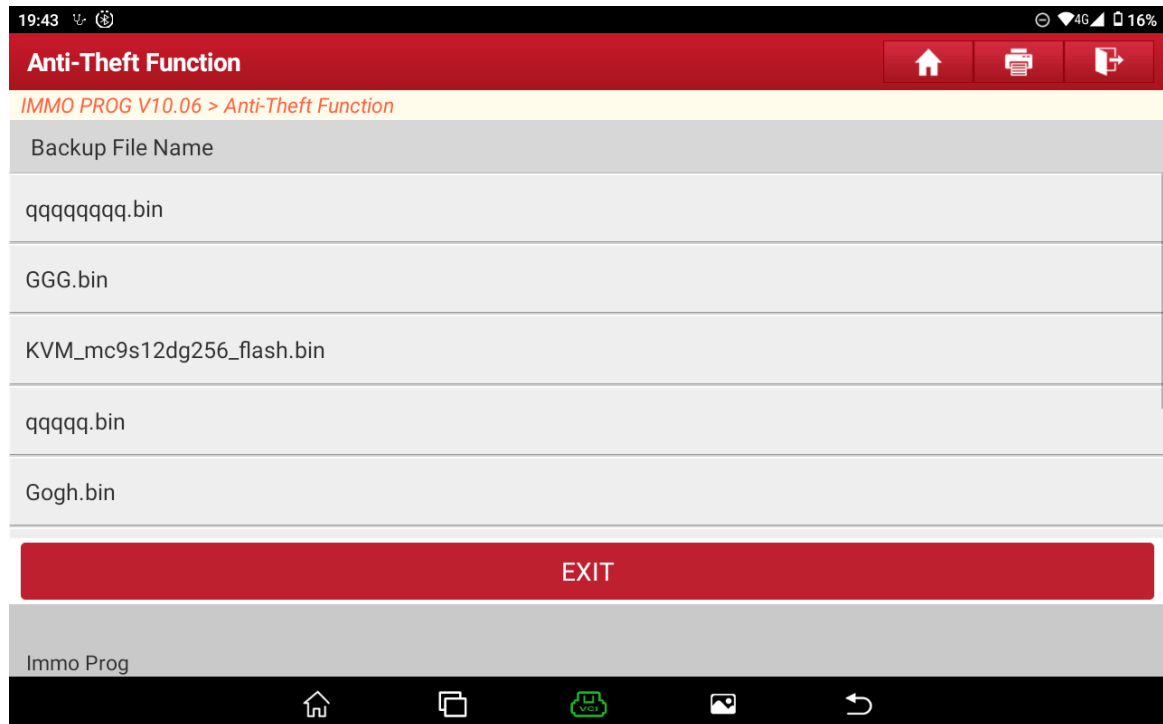


Figure 13

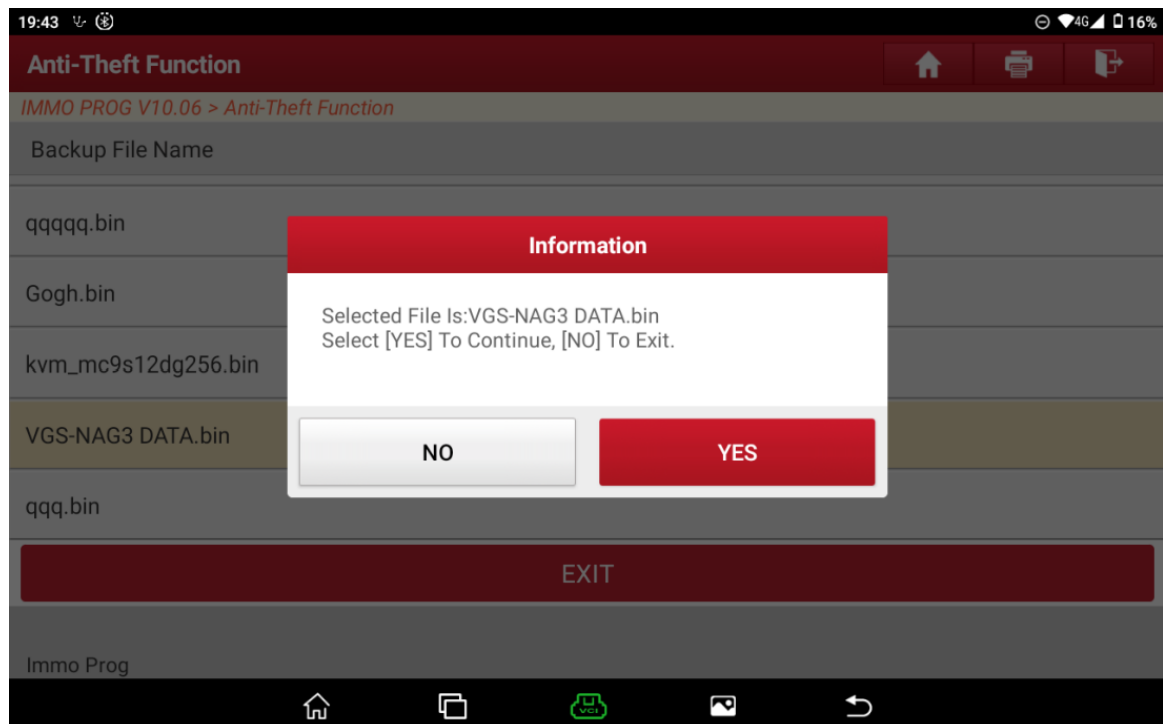


Figure 14

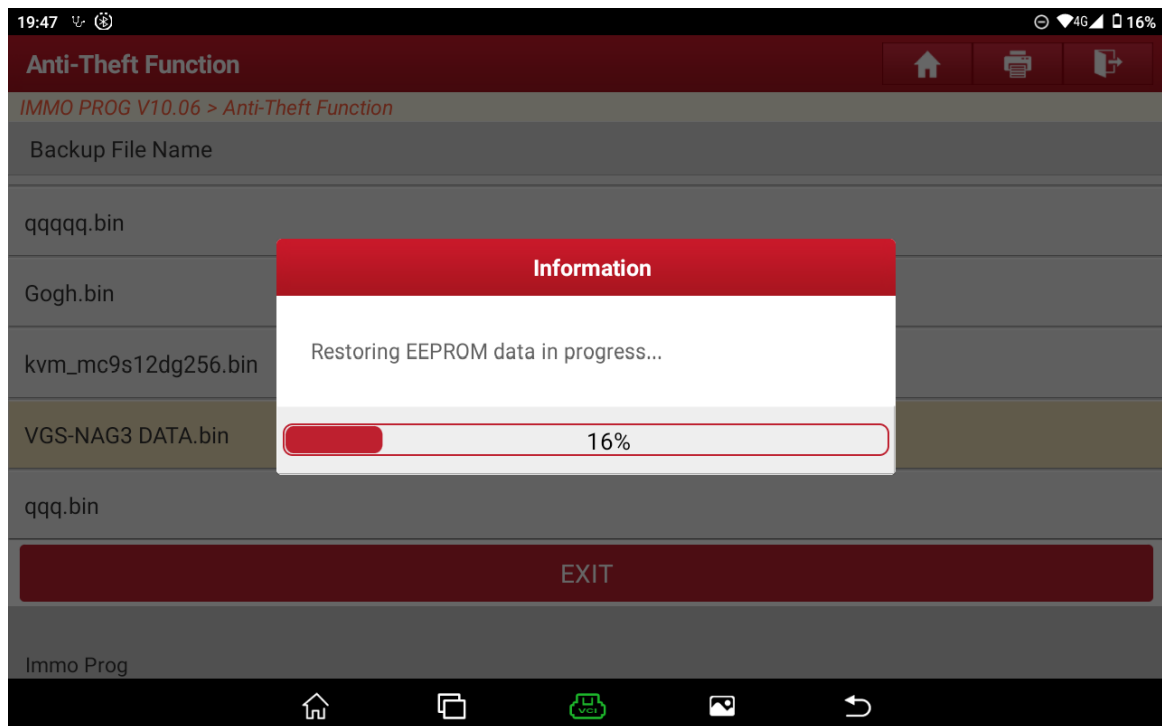


Figure 15

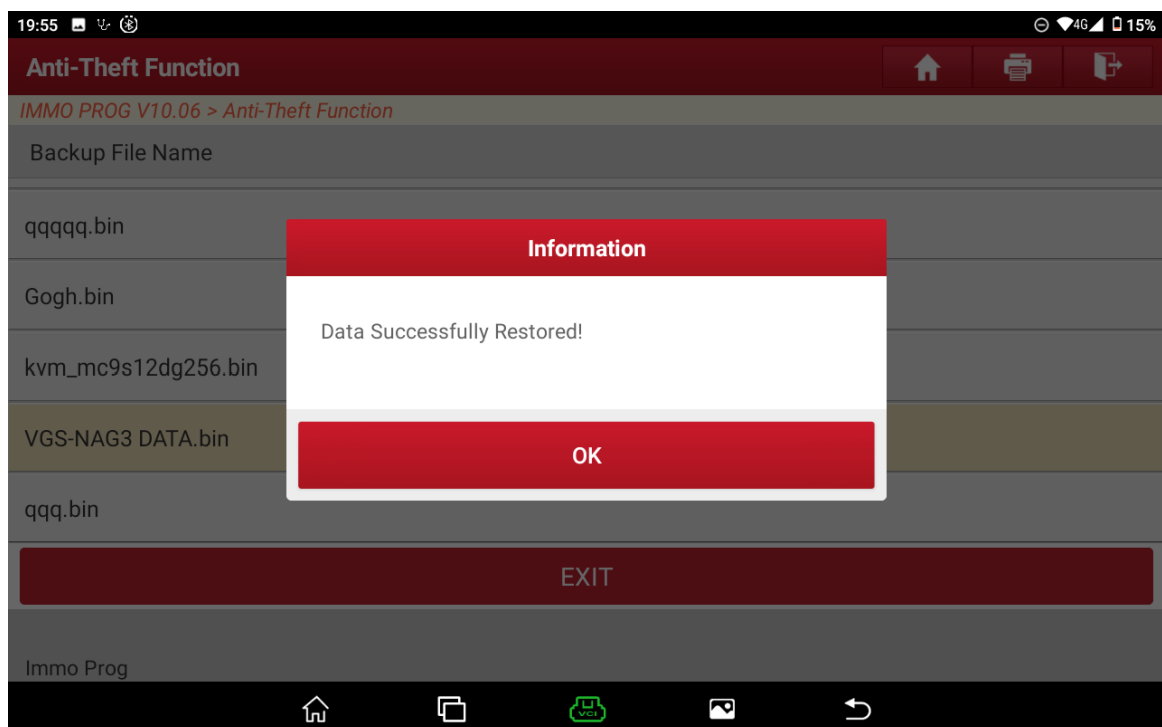


Figure 16

10. The gearbox clone has been basically completed, but in order to determine whether the data of the original car gearbox has really been written to the external gearbox, click [Backup complete data] to back up the data of the external gearbox. Click [Disconnect] and then click the back icon to return to the page shown in Figure 17.

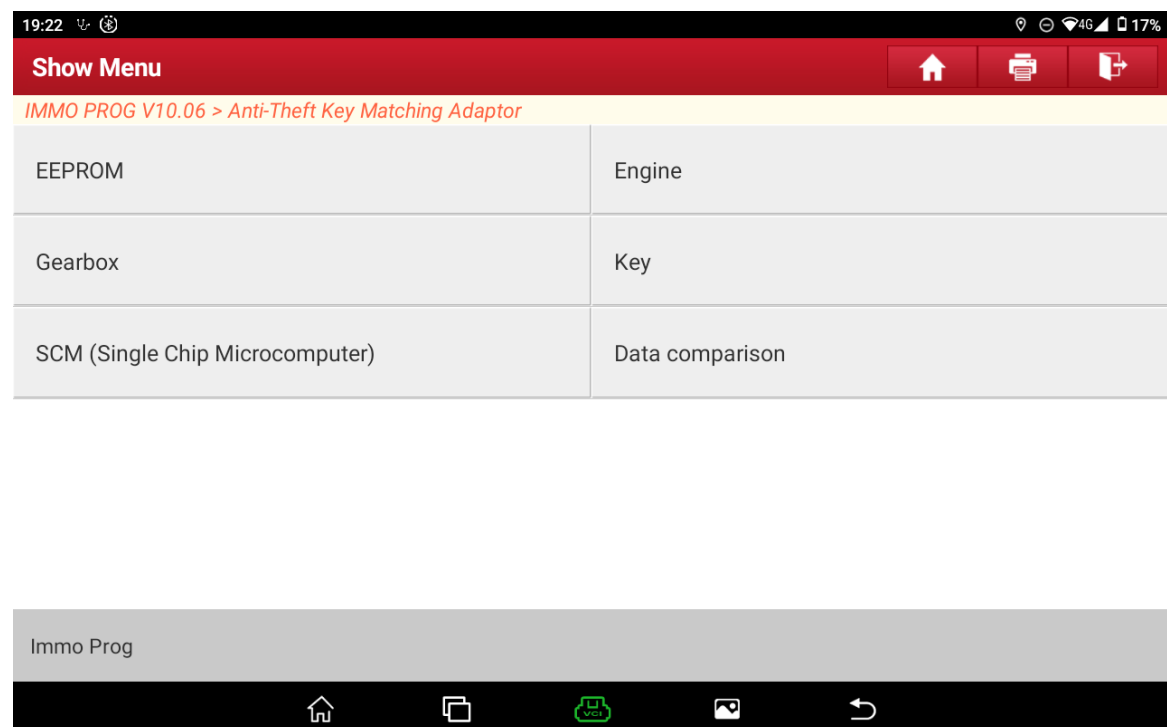


Figure 17

11. Click [Data comparison] to access the data comparison page, as shown in Figure 18.

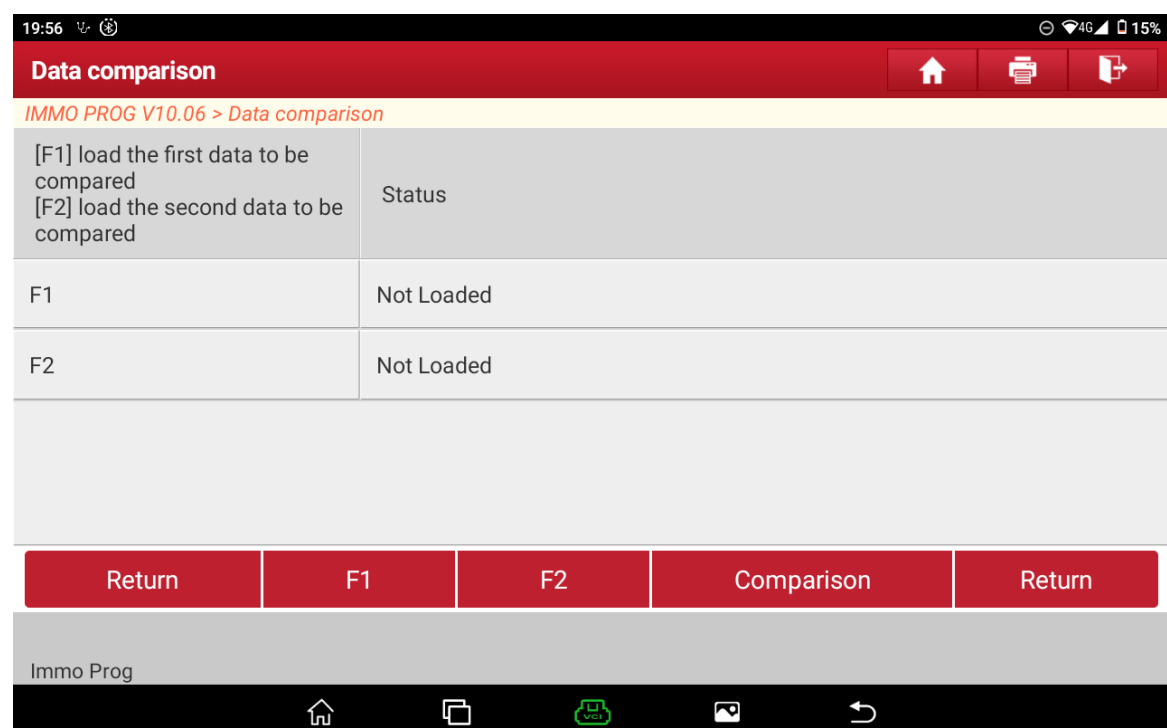


Figure 18

12. Click [F1] and [F2] to respectively import the original car gearbox data saved in step 7 and the external gearbox data saved in step 11, as shown in Figure 19.

[F1] load the first data to be compared [F2] load the second data to be compared	Status
F1	VGS-NAG3 DATA.bin
F2	VGS-NAG3 DATA new.bin

Return F1 F2 Comparison Return

Immo Prog

Figure 19

13. Click [Comparison], as shown in Figure 20. Finally load the external gearbox into the car.

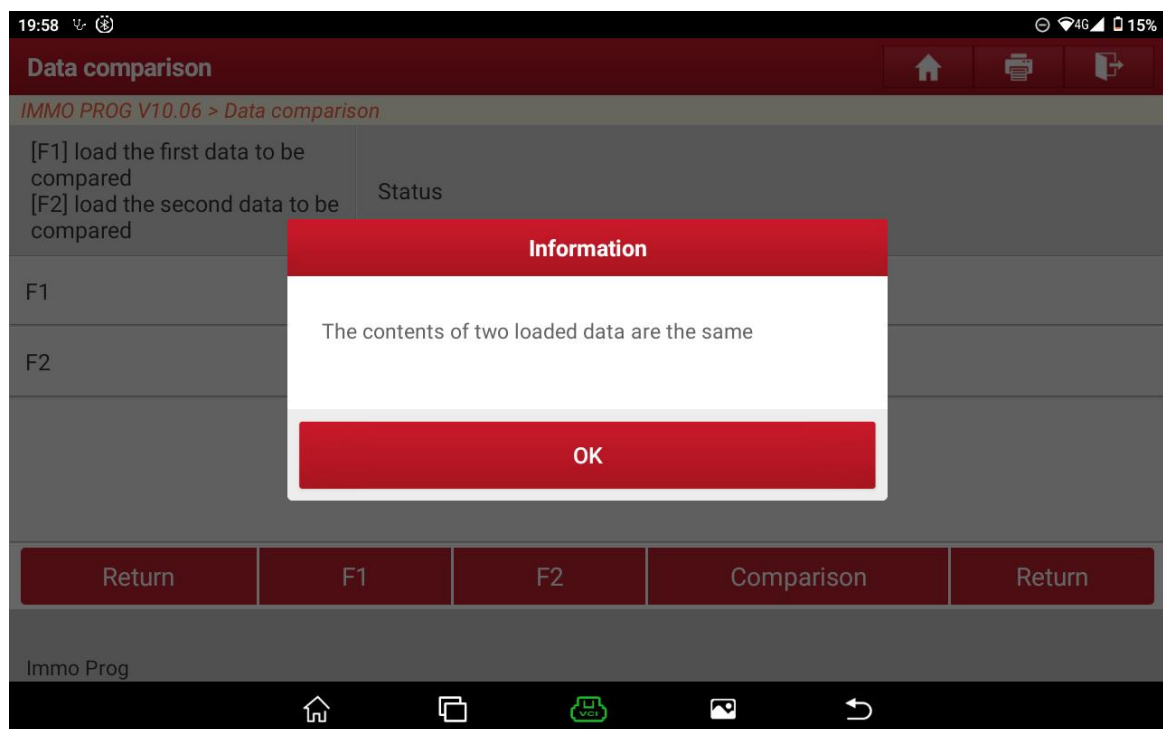


Figure 20

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