LAUNCH X-43 ECU and TCU Programmer User Manual

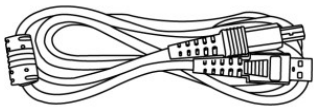
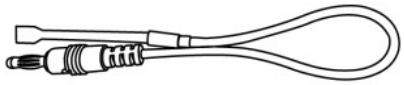
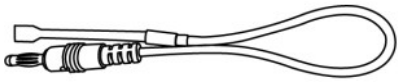
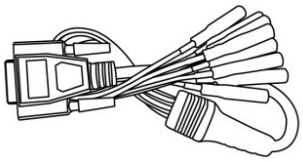
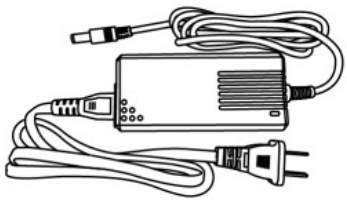
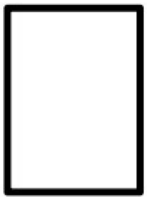
LAUNCH

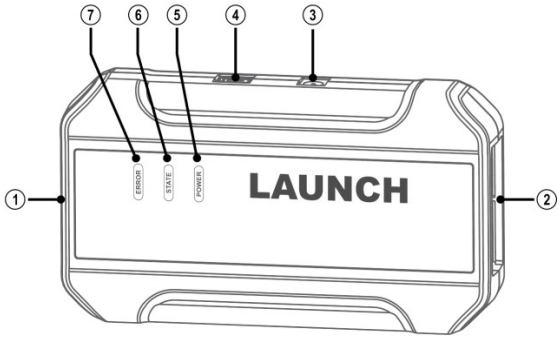
X-431 ECU&TCU Programmer
User Manual

Contents

X-43 ECU and TCU Programmer

Note: Pictures illustrated herein are for reference purpose only. Due to continuing improvements, actual products may differ slightly from the product described herein and this material is subject to change without notice.

Packing List			
Main Unit		Matching Adapter A (5Pcs	
USB Cable (Type B)		Matching Adapter B(6Pcs	
USB Cable (Type B)		Matching Adapter C (7Pcs	
Bench Mode Cable		Matching Adapter D (8Pcs	
Switching Power S upply		Matching Adapter E (6Pcs	
Password Envelop e		Packing List	

Structure	
	
1	DB26 Interface
2	DB26 Interface
3	Power Supply Jack
4	USB Type B
5	Power Indicator (Red light turns on after power on)
6	State Indicator (Green light flashes after power on)
7	ERROR Indicator (Blue light flashes when upgrading or abnormal)

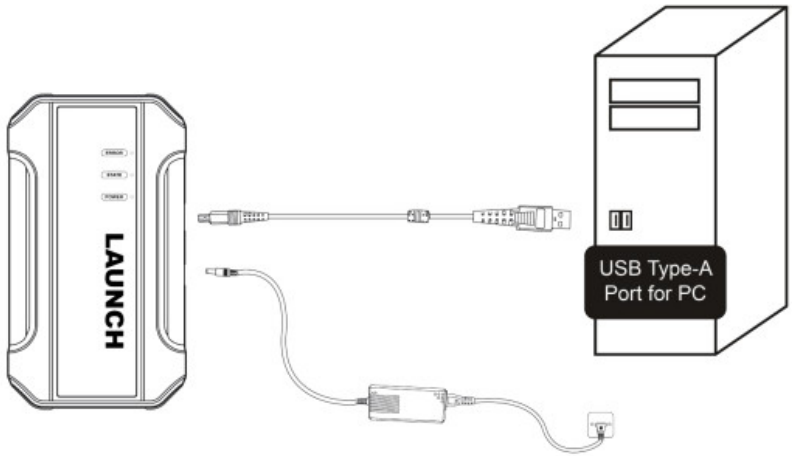
Operation Procedure

Download and install the software

Download the software installation package through the following website and install it on the computer.

Connect ECU&TCU programmer and computer

As shown in the figure below, use a USB cable (type A to type B) to connect the ECU&TCU programmer and the computer.



Activation

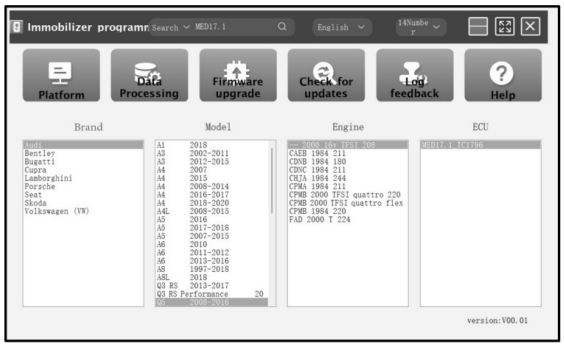
When used for the first time, it will enter the activation interface. After connecting the ECU&TCU programmer, the system will automatically recognize the Serial Number. Take out the password envelope and scrape the coating area to obtain the activation code.

ECU Data Read and Write

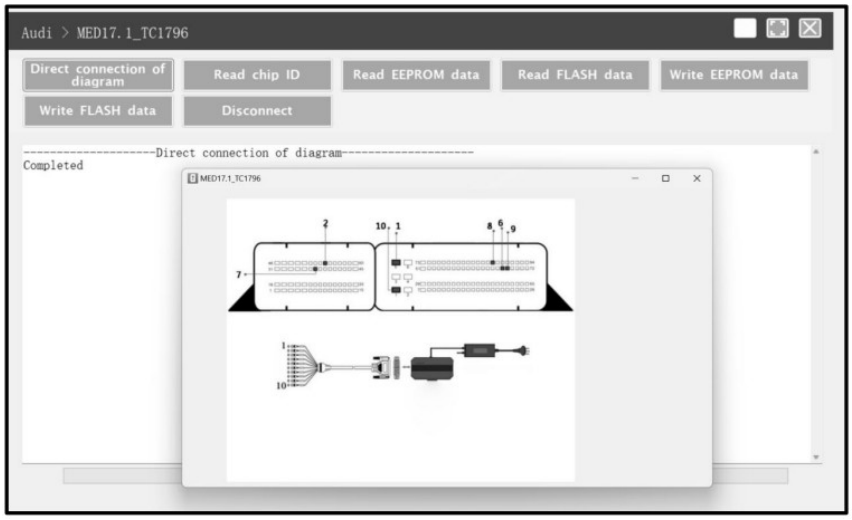
4.1 Get Related ECU Information

4.1.1 As shown in the figure below, click Brand->Model->Engine->ECU to select the corresponding ECU type.

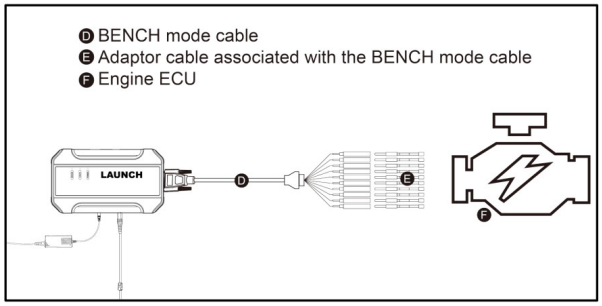
You can also enter relevant information (Brand, Bosch ID or ECU) in the search box to inquire. For example, search for MED17.1 engine through ECU as shown in the figure below.

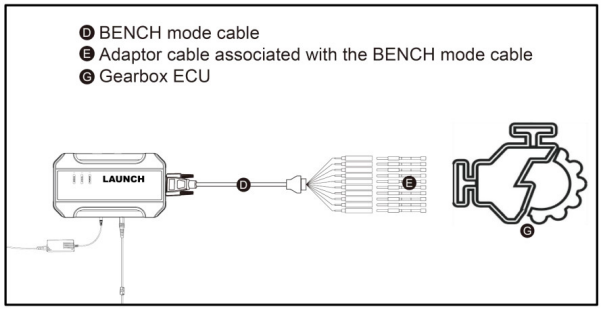


4.1.2 Click Direct Connection of Diagram to get the ECU wiring diagram.

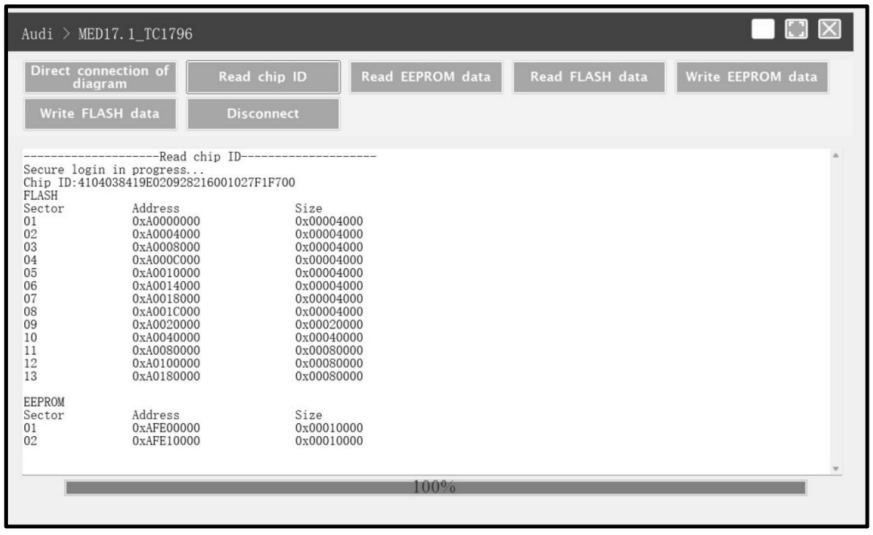


4.1.3 Referring to the wiring diagram, use the BENCH mode cable and the corresponding adapter cable to connect the ECU and ECU&TCU programmer.



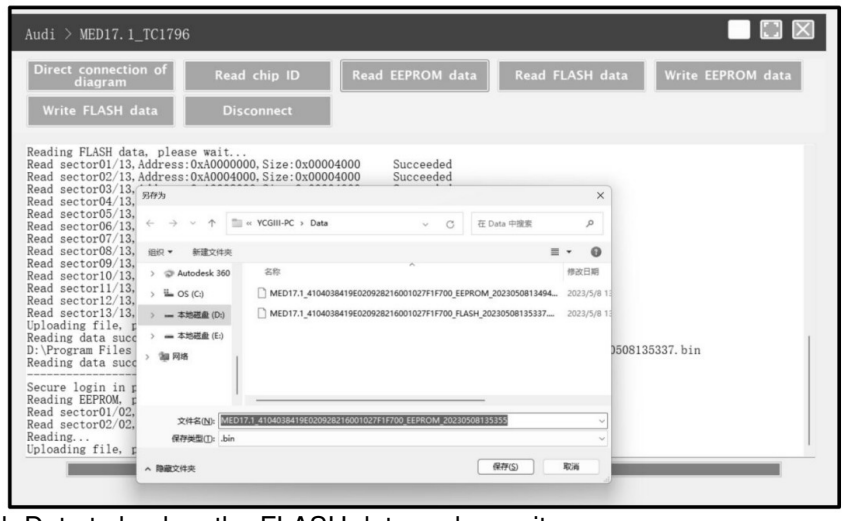


4.1.4 After completing the connection, click Read Chip ID to read the data.

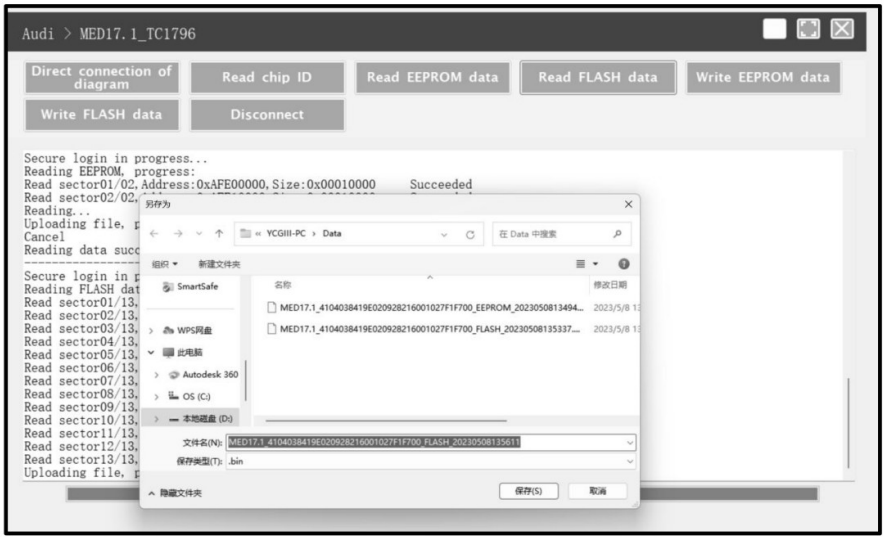


4.2 Data Read and Write

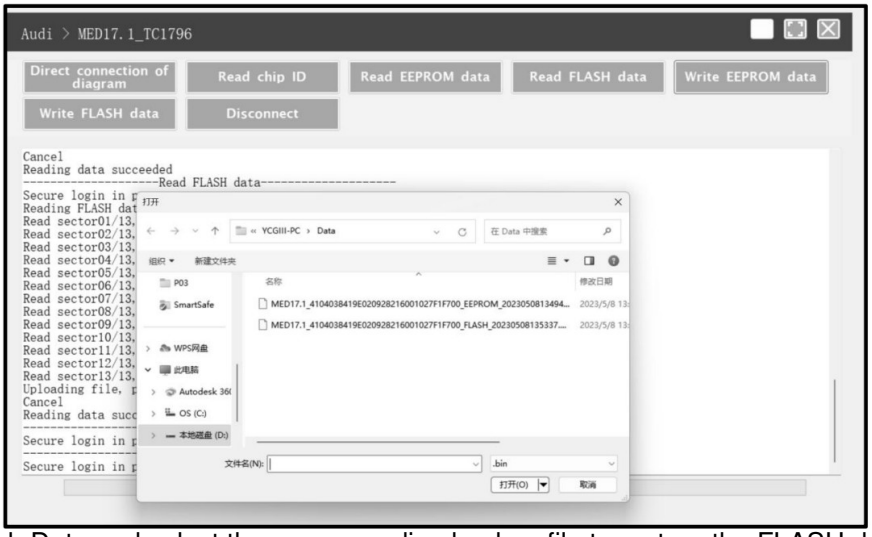
4.2.1 Click Read EEPROM Data to backup the EEPROM datand save it



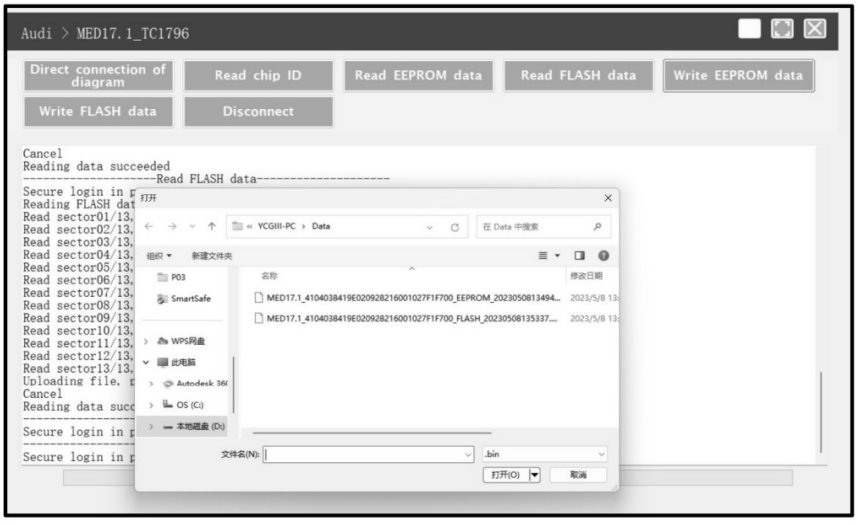
4.2.2 Click Read Flash Data to backup the FLASH data and save it.



4.2.3 Click Write EEPROM Data and select the corresponding backup file to restore the EEPROM data.



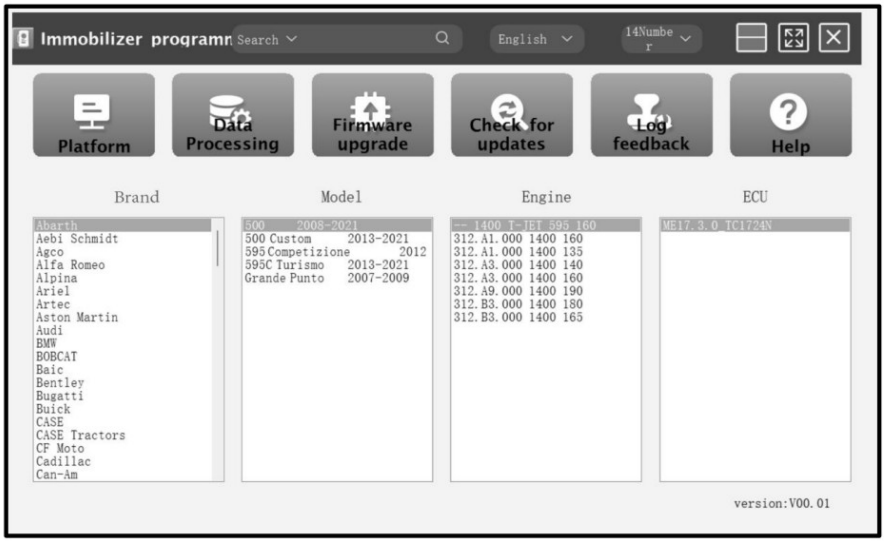
4.2.4 Click Write Flash Data and select the corresponding backup file to restore the FLASH data.



Data Processing

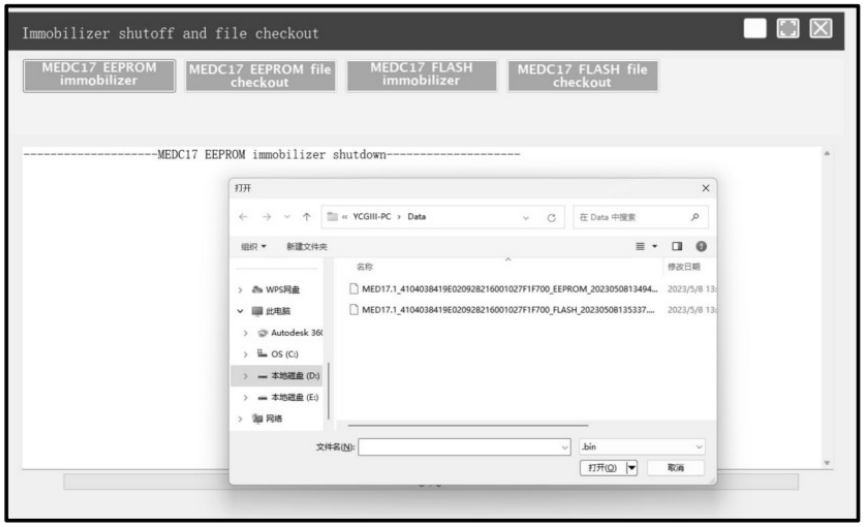
5.1 Immobilizer Shutoff and File Checkout

5.1.1 Click Data Processing on the main interface.

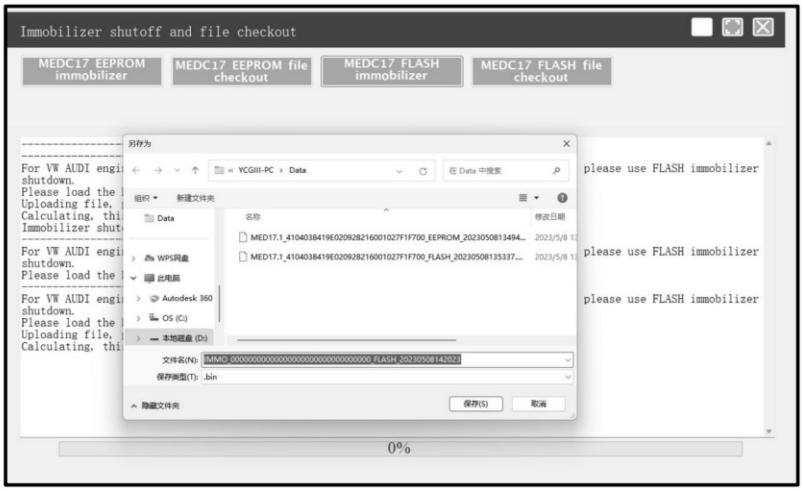


5.1.2 Select Immobilizer shutoff and file checkout on the popup window.

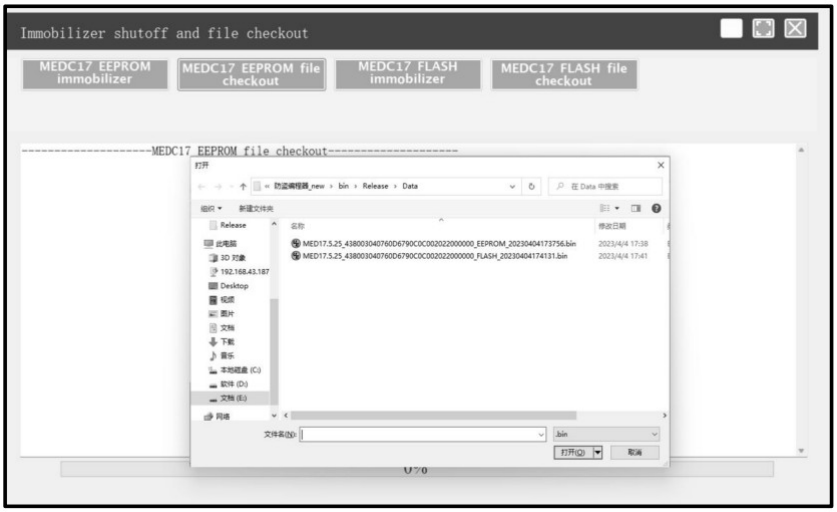
5.1.3 Click EEPROM immobilizer/FLASH immobilizer, load the corresponding EEPROM/FLASH backup file as software prompts.



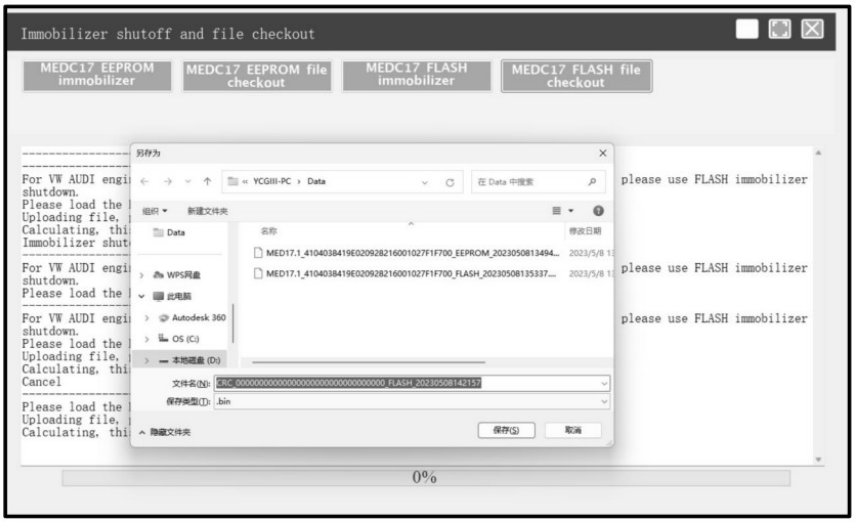
5.1.4 The system will obtain the corresponding data online, and then save the new file to complete the immobilizer shutoff.



5.1.5 Click EEPROM checkout/FLASH checkout, load the corresponding EEPROM/FLASH backup file as software prompts.



5.1.6 The system will obtain the corresponding data online, and then save the new file to complete the file checkout.



5.2 Data Cloning

Note: Before performing data cloning, it is necessary to backup and save the FLASH&EEPROM data of the original ECU and the external ECU. For specific operation steps, please refer to the previous chapter.

This function is mainly used for engine ECU data cloning of VW, Audand Porsche, other models can complete data cloning by directly reading and writing data.

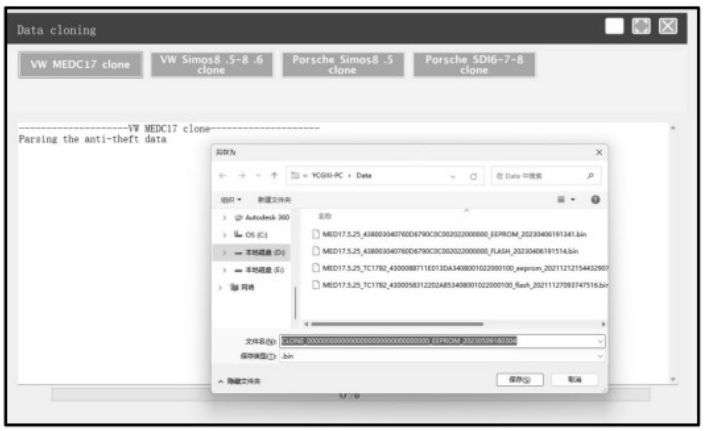
5.2.1 Read and save the FLASH&EEPROM data of the original vehicle ECU and the external ECU.

5.2.2 Click Data Processing on the main interface, and select Data Cloning in the pop-up window to enter the following interface

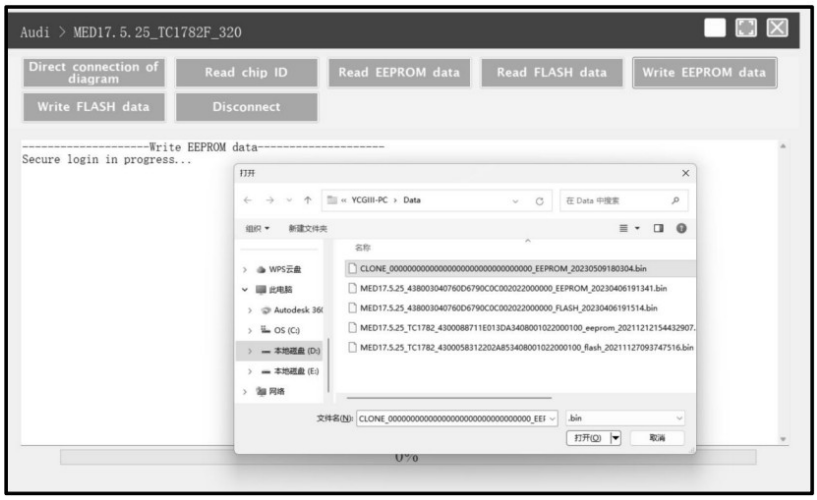
5.2.3 Select the corresponding car model for data cloning.
Follow the software prompts to load the FLASH & EEPROM data of the original vehicle ECU respectively.

5.2.4 Follow the software prompts to load the FLASH & EEPROM data of external ECU respectively.

5.2.5 The system analyzes the anti-theft data and generates a clone data file, click Confirm to save it.



5.2.6 Connect external ECU and ECU&TCU Programmer, write FLASH data of original ECU and saved EEPROM clone data into external ECU.



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Documents / Resources

	LAUNCH X-43 ECU and TCU Programmer [pdf] User Manual X-43, X-43 ECU and TCU Programmer, ECU and TCU Programmer, TCU Programmer, Programmer

References

- User Manual