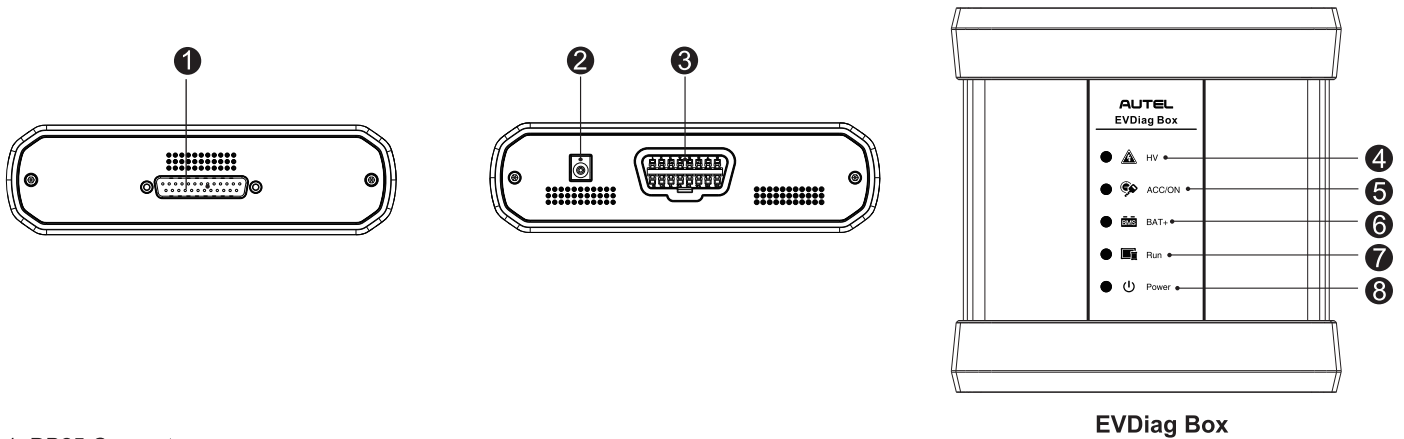*Thank you for purchasing this Autel EVDiag Box. Autel Ultra series diagnostic tools can use this EVDiag Box to perform tests on EV battery packs. Our tools are manufactured to a high standard and — when used according to these instructions and properly maintained — will provide years of trouble-free performance.*

EVDiag Box

1. DB25 Connector
2. DC Power Supply Input Port
3. OBDII Connector
4. HV LED — flashes yellow when the device is connected to the battery pack during high voltage output
5. ACC/ON LED — lights green when the ACC/ON ignition signal output is normal
6. BAT+ LED — lights green when the power output is normal
7. Run LED — lights blue when communicating with the tablet
8. Power LED — refer to Table 1-1 Power LED Description for details

Table 1-1 Power LED Description

LED	Color	Description
Power	Green	Lights green when operating normally.
	Red	• Flashes red when upgrading. • Lights red when upgrade has failed.

GETTING STARTED

⚠ **WARNING:**
- *This product must be operated only in accordance with local regulations and by properly qualified personnel. ONLY high voltage technicians and high voltage experts are allowed to perform high voltage related operations.*
- *Before operating or maintaining this unit, please read these instructions carefully, paying extra attention to the safety warnings and precautions. Use this unit correctly and with care. Failure to do so may cause damage and/or personal injury and will void the product warranty.*
- *Ensure that the battery pack has passed the insulation test. Before performing the test function, be sure to wear proper protective equipment, such as a helmet, protective suit, work shoes, and protective gloves.*
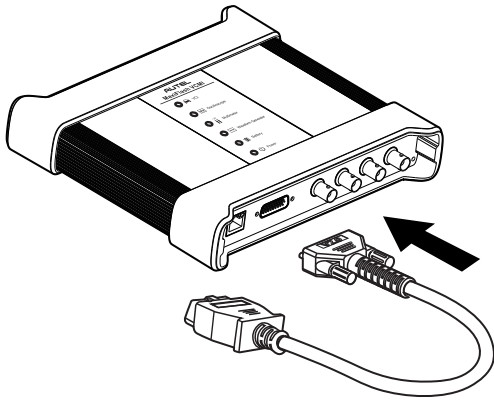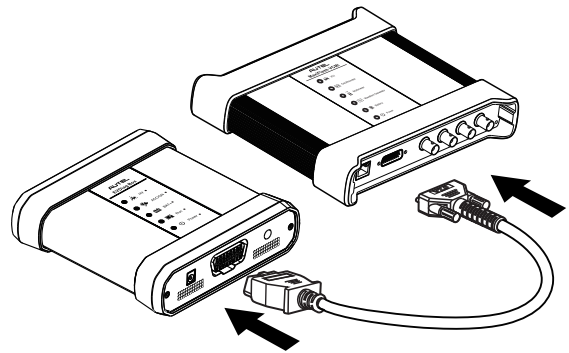
✍ **NOTE:**
- *The EVDiag Box is compatible with the MaxiSys Ultra, MaxiSys Ultra ADAS, MaxiSys MS919, and MaxiSys MS909. It can be connected to the MaxiFlash VCMI or MaxiFlash VCI using the same connection steps. The following operations use the connection of EVDiag Box with a MaxiFlash VCMI as an example.*
- *The MaxiFlash VCMI/VCI is compatible with Autel main cable V2.0 and USB cable V2 only.*

1 Connect the main cable V2.0 to the Vehicle Data Connetor on the VCMI and tighten the thumb screws.
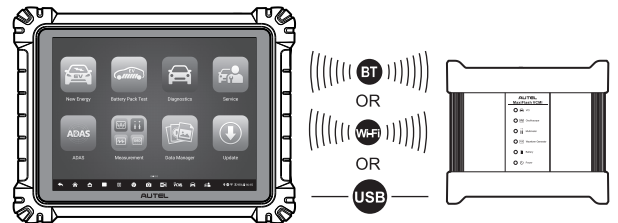

2 Connect the cable's 16-pin adapter to the OBDII connector of the EVDiag Box.

3 Power up the tablet. Ensure that the tablet battery is charged or that it is connected to the supplied DC power supply.

4 Select from Bluetooth, Wi-Fi or USB cable V2 to connect the tablet with the VCMI and establish a communication link. Use only the USB cable connection when programming.
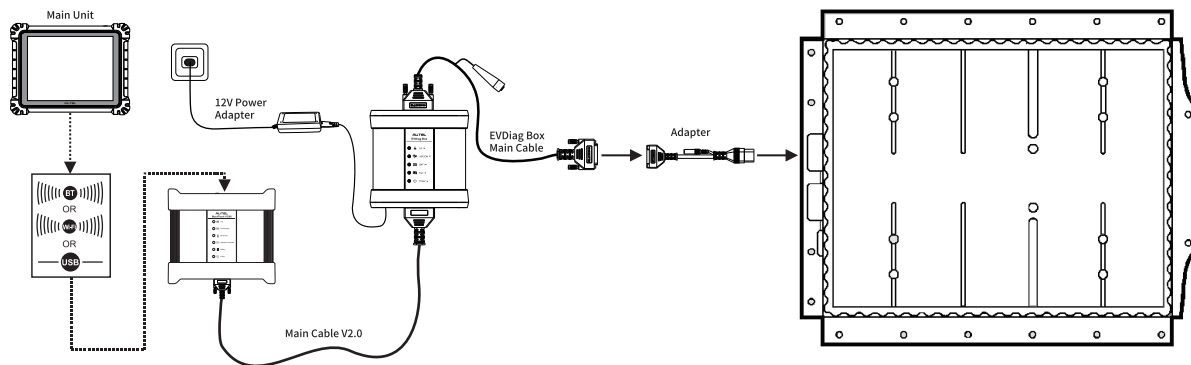

5 Tap **Battery Pack Test** on the MaxiSys Job Menu. Follow the onscreen instructions to confirm the relevant technical certifications and complete preparation.
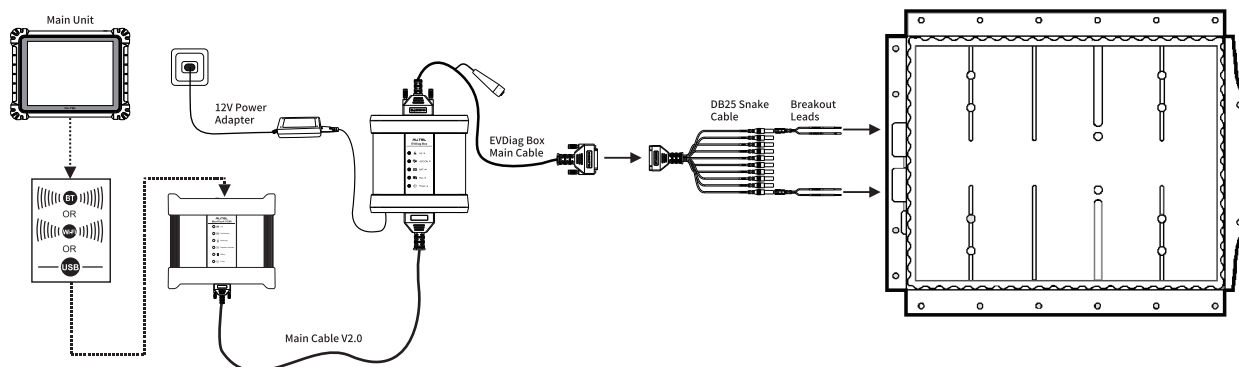

6 Follow the onscreen instructions to select the test vehicle, including its make, area, model, capacity, etc.

7

A. Adapter Connection Diagram

B. Breakout Lead Connection Diagram

NOTE: *The required adapter or breakout leads may vary by vehicle. Please make the correct connection according to your actual situation.*

8 Power up the EVDiag Box. Ensure the EVDiag Box is connected to the DC power supply. Tap the **OK** button on the tablet's Connection Diagram screen to connect the tablet with the EVDiag Box and establish a communication link. The Main Menu screen will appear once the link has been established.

9 Tap **Battery Pack Information** on the Main Menu screen. The screen will display the data obtained from the battery pack, including the SOC, voltage, current, pack voltage delta, and temperature.