

Audi Battery Matching Function Operation

Function Description:

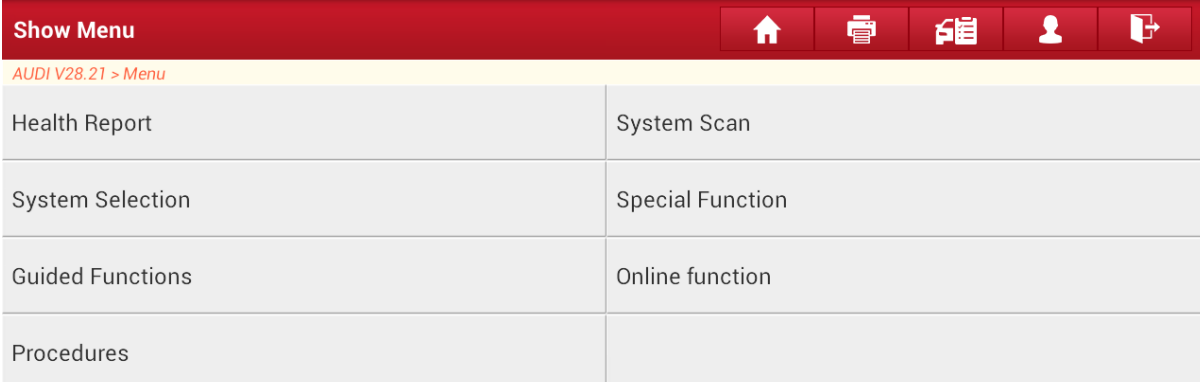
- When the vehicle battery is replaced due to damage or aging, you need to perform the battery matching function. If the new battery uses different technology from that of the old one, the control unit needs to be coded. At present, there are three different battery technologies: wet battery, glass fiber baffle battery, and EFB battery

Note:

- During battery replacement, if the vehicle is not equipped with 61 battery control system, you need to access the 19 gateway data bus system to operate.

Procedure:













1) Turn on the ignition switch, connect Launch X431 PRO connector, and choose AUDI V28.21 > Special Function > Battery Matching.



The screenshot shows the software interface with a red top bar containing navigation icons (Home, Print, List, User, Share) and a 'Show Menu' button. Below the bar, the breadcrumb 'AUDI V28.21 > Menu' is displayed. The main content is a table with the following items:






Health Report	System Scan
System Selection	Special Function
Guided Functions	Online function
Procedures	



Show Menu		    	
AUDI V28.21 > Special Function			
Reset Service		Brake Pad Change	
Throttle Learning		Steering Angle Learning	
Diesel Engine Special Function		Battery Matching	
Anti-theft function		Air suspension matching	
Headlamp adjustment		TV Activation	
Dealership Code		Airbag Reset	
Switching on Transport Mode		Switching off Transport Mode	

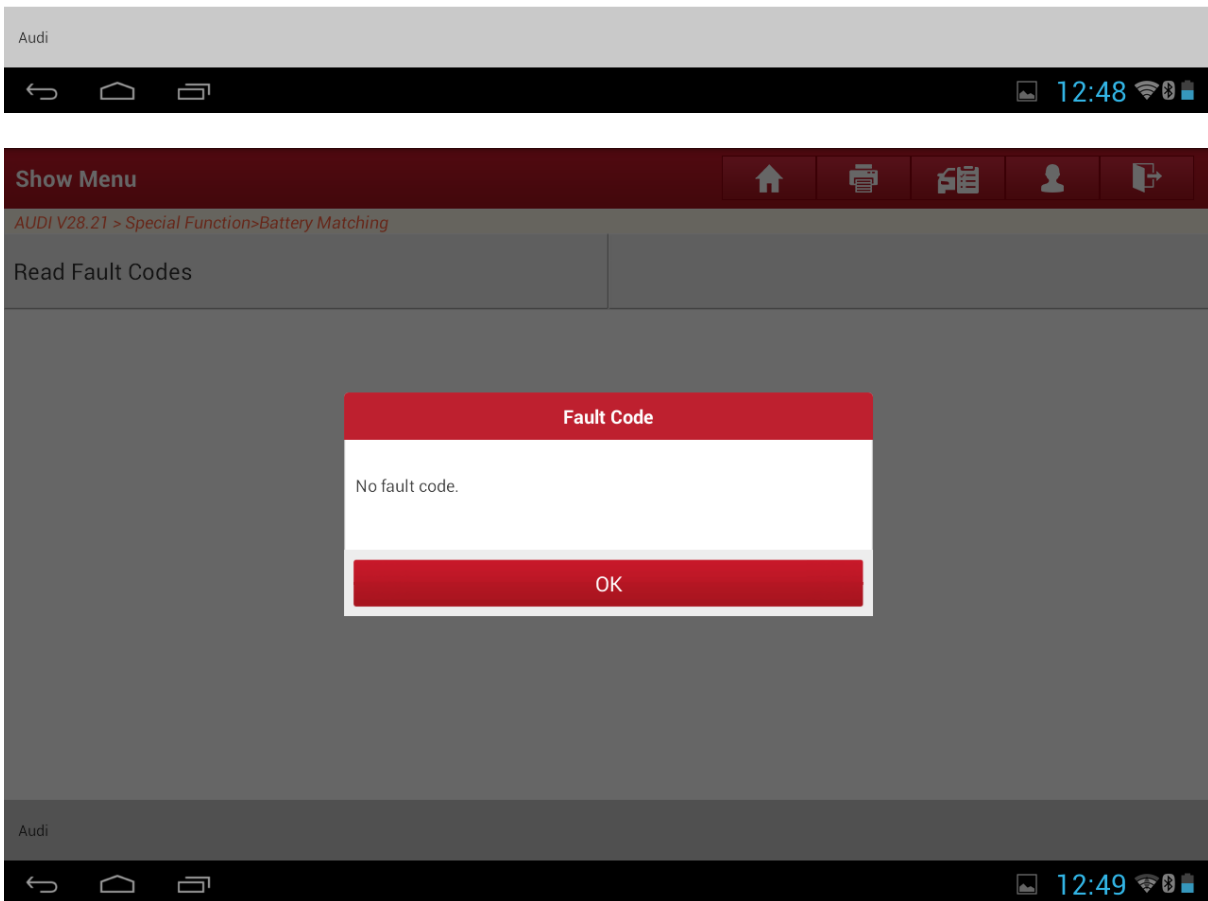


2) Choose 61 Battery Control and then choose the corresponding system according to the actual vehicle configurations.

Show Menu		    	
AUDI V28.21 > Special Function > Battery Matching			
19 Gateway Data Bus		61 Battery Control	



3) Read DTCs. Check that no battery-related DTC exists in the system.



4) Next, read the current battery parameters, including the battery maker, capacity, and serial number.



Active Test		
AUDI V28.21 > Special Function>Battery Matching		
Name	Value	Unit
Current battery parameter	0C 02 420922M1HW	
Battery manufacturer	JCB	
Battery capacity	105	Ah
Battery serial number	420922M1HW	



5) After reading, choose Configure New Battery Parameters to configure the battery maker, battery capacity, and the battery serial number in turn. Here, choose the battery maker VAO, capacity 80Ah, and serial number 0003B3F053.








Show Menu     

AUDI V28.21 > Special Function>Battery Matching

Select or input new battery capacity

Audi





    12:53   

Show Menu     

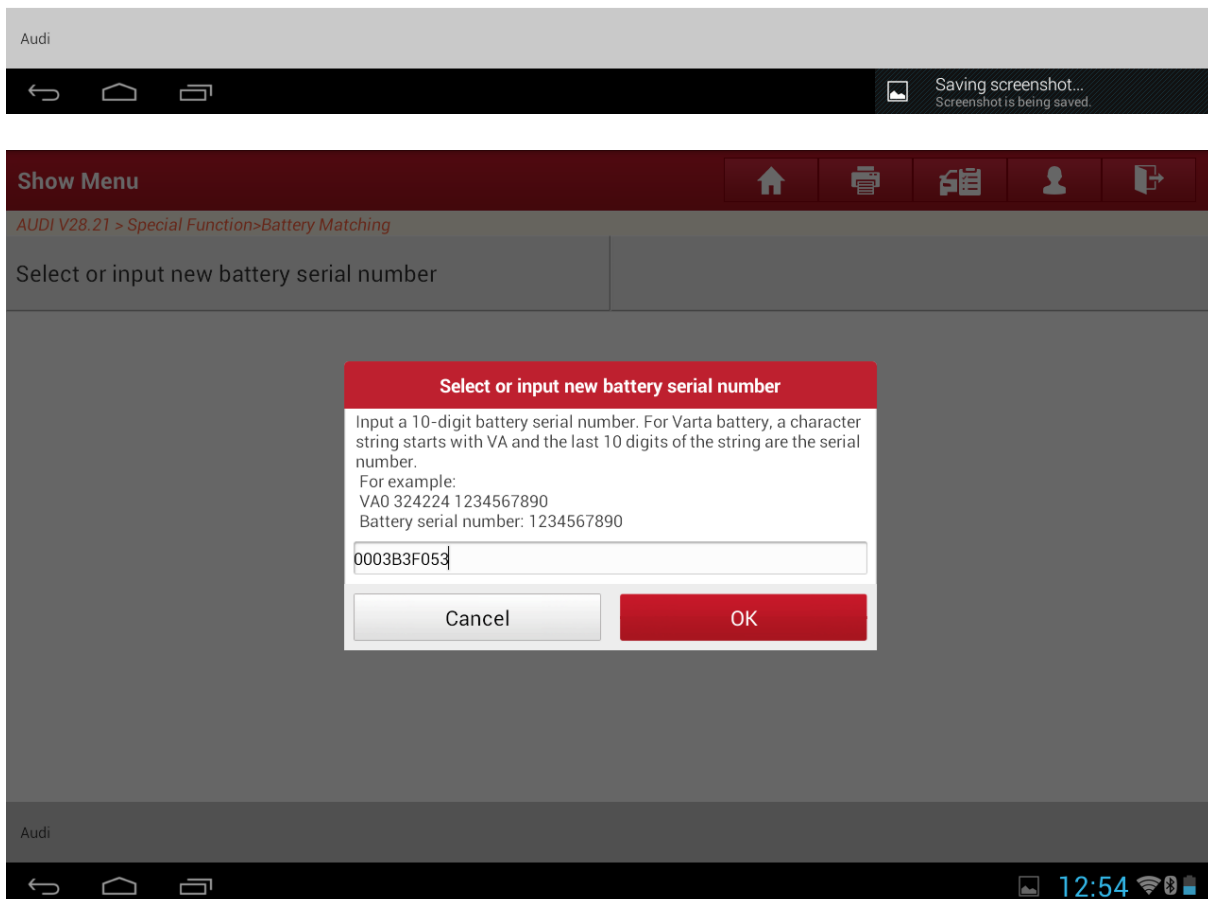
AUDI V28.21 > Special Function>Battery Matching

51 Ah	58 Ah
59 Ah	60 Ah
61 Ah	68 Ah
69 Ah	70 Ah
72 Ah	75 Ah
79 Ah	80 Ah
85 Ah	92 Ah

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    Saving screenshot...
Screenshot is being saved.

6) Based on the hint and battery information, input the battery serial number 0003B3F053 and click OK.



7) Check that the parameter values are correct and choose Matching New Battery Parameter.

Active Test		
AUDI V28.21 > Special Function>Battery Matching		
Name	Value	Unit
Battery matching	01 06 0003B3F053	
Battery manufacturer	VAO	
Battery capacity	080	Ah
Battery serial number	0003B3F053	



8) Matching is successful. The battery matching function is completed and exits.

Statement:

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