# **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.

Show Menu	↑
AUDI V28.21 > Menu	
Health Report	System Scan
System Selection	Special Function
Guided Functions	Online function
Procedures	

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Show Menu	A ē fie 1 P
AUDI V28.21 > Special Function	
Reset Service (i)	Brake Pad Change 🪺
Throttle Learning (i)	Steering Angle Learning
Diesel Engine Special Function	Battery Matching (i)
Anti-theft function	Air suspension matching (i)
Headlamp adjustment	TV Activation
Dealership Code 🪺	Airbag Reset
Switching on Transport Mode	Switching off Transport Mode
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2) Choose 61 Battery Control and then choose the corresponding system according to the actual vehicle configurations.

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

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

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AUDI V28.21 > Special Function>Battery Matching				
Read Fault Codes				

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Show Menu		A	白田	1	P
AUDI V28.21 > Special Function>Battery Ma	atching				
Read Fault Codes					
	Faul	t Code			
	No fault code.				
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4) Next, read the current battery parameters, including the battery maker, capacity, and serial number.

Show Menu	<b>f</b>	<b>F</b>	2	ŀ
AUDI V28.21 > Special Function>Battery Matching				
Current Battery Parameter				

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Active Test	A 🖥 A	1 1 1
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	

Description Battery parameter	Configure New battery parameter
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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	<b>f</b>	<b>F</b>	2	ŀ
AUDI V28.21 > Special Function>Battery Matching				
Select or input new battery manufacturer				

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Show Menu	↑
AUDI V28.21 > Special Function>Battery Matching	
VARTA [VAO]	Exide [TU3]
Akuma [UM5]	JCI/JCB [JCB]
Moll [MLA]	JFF (Boading) /China [5DO]
Banner [BA2]	EPN [EPM]
Other battery manufacturer [***]	

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Show Menu	<b>f</b>	<b>F</b>	1	F
AUDI V28.21 > Special Function>Battery Matching				
Select or input new battery capacity				

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Show Menu	↑ ē fil 1
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.

Show Menu	<b>f</b>	<b>F</b>	2	₽
AUDI V28.21 > Special Function>Battery Matching				
Select or input new battery serial number				

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Show Menu		A		6Ē	1	ŀ
AUDI V28.21 > Special Function>Battery Matching						
Select or input new battery serial number						
Select or in	put new battery serial n	umber				
Input a 10-digit battery string starts with VA an number. For example: VA0 324224 12345678 Battery serial number:	Input a 10-digit battery serial number. For Varta battery, a character string starts with VA and the last 10 digits of the string are the serial number. For example: VA0 324224 1234567890 Battery serial number: 1234567890					
0003B3F053						
Cancel		ОК				
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#### 7) Check that the parameter values are correct and choose Matching New Battery Parameter.

Active Test	<b>f</b>		F		2	P	
AUDI V28.21 > Special Function>Battery Matching							
Name	Value			Unit			
Battery matching	01 06 00						
Battery manufacturer	VAO						
Battery capacity	080			Ah			
Battery serial number	0003B3	F053					

Description Battery parameter	Matching New battery parameter
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8) Matching is successful. The battery matching function is completed and exits.