



Technical Service Bulletin

90 Audi Drive Select button on steering wheel does not function

90 17 86 2048839/1 November 13, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2017	All	Without plus package

Condition

The customer states the Audi Drive Select button on the steering wheel does not function. When pressed, there is no noticeable change in the Drive Select profile shown in the virtual cockpit, and the customer does not notice any change to the vehicle's driving characteristics (exhaust note and powertrain drive mode do not change). The vehicle is a 2017 R8 V10 without the plus package (V10 540HP).

Technical Background

There are three different scenarios that the customer can experience which would warrant this above concern.

First Scenario: Upon the first press of the Audi Drive Select button, the current driver profile is shown (Figure 1). There is no change to the current setting until a second press of the button. If the second press is not performed within three seconds of the first press of the button, then the current profile will be shown again and no change will be made. The customer must press the button twice within three seconds to allow the selection of a new driver profile. The MMI menu for Drive Select Profiles does not show when the button is pressed (Figure 3). This is a normal condition.



Figure 1. Drive Select Mode change Gauge Cluster.



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Second Scenario: When the vehicle is in the backup camera mode, there is no change shown in the virtual cockpit while the camera image is visible. However, the profile change happens in the background (Figure 2). This is a normal condition.



Figure 2. Drive Select Mode not shown in the Gauge Cluster.

Third Scenario: When the customer presses the drive select button multiple times (within three seconds of each press) immediately after starting the engine, and after allowing the virtual cockpit to initialize, there is no visible change to the driver profile after each button press. There is a known software concern which can prevent the button from functioning normally after the vehicle is started following a sleep cycle. If the customer is experiencing this concern, then proceed to the *Service* section.

To overcome this issue listed in scenario three, the driver can use the MMI controls to navigate to the Audi Drive Select menu manually (Listed under Vehicle Settings – Figure 3), and after viewing this MMI menu, the Drive Select steering wheel button will begin to function normally only during the current ignition cycle. Once the vehicle is allowed to sleep, the concern is repeated again on the subsequent ignition cycle (Figure 3).



Figure 3. MMI Drive Select Mode shown in Vehicle Settings and Gauge Cluster.

Production Solution

Improved software for the vehicle electrical system control module, J519 (address word 0009).



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Service

Please inform the customer of the first two “normal” scenarios listed in the *Technical Background*. Ensure that the customer understands the two normal conditions and has the correct expectations. If the customer is experiencing the condition listed in scenario three as mentioned above, then proceed with the service repair below.

Required equipment:

- ODIS Tester
- SVM code

Time to complete update:

- Approximately 30-40 minutes

Update the operating software of the vehicle electrical system control module, J519 (address word 0009) with the SVM. To access SVM, within ODIS start *GFF >> Flash >> Start Flashing >> SVM code input*.

Model	Old SW P/N	Old SW Ver.	New SW P/N	New SW Ver.	SVM Code
2017 R8	4H0907063FK	*	4H0907063HK	0725	09A031

Test the updated software:

1. Disconnect the ODIS tester.
2. Close all doors and windows and lock the car.
3. Allow the car to sit for 2-3 minutes.
4. Once the CAN bus system is asleep, unlock the car and start the engine.
5. Wait 10-15 seconds to allow the virtual cockpit to initialize, then press the Audi Drive Select button twice on the steering wheel.
6. Verify the selected profile has changed in the virtual cockpit. This will be shown under the gear selection icon in the small or large gauge cluster view. There will be no large MMI menu, as seen in the vehicle settings menu, shown during this change. This is a normal condition.
7. If the customer wants to see the larger selection menu as seen in the vehicle settings menu, then inform the customer they must navigate to this setting manually, and then the menu will show during all subsequent presses of the Drive Select button during that ignition cycle.



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Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 months/50,000 miles.• G10 for CPO Covered Vehicles - Verify Owner.• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9710		
Damage Code:	0039		
Labor Operations:	Check Drive Select Operation	9710 9999	20 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2048839/1		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Additional Information

All parts and service references provided in this TSB (2048839) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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