

Tech Tips

TT 96-14-05

Date: August 22, 2014

2015-2016 Golf, GTI, Golf R, eGolf, Golf Sportwagen – Immobilizer Key/Key Remote Adaptation, Including New Identity Test Plan

July 29, 2016: Removal of providing GFF feedback for lost control module coding.

To adapt keys, any immobilizer component including the OCU, new identity to a 2015 - 2016 Golf, GTI, Golf R, eGolf, Golf Sportwagen it is necessary to complete the "Adapt Immobilizer" test plan.

Kessy Vehicles: Verify that the reader coil is removed from the steering column and the key is touching the reader coil during key adaptation (Figure 1). Bladed key vehicle, it is not necessary to remove the reader coil. The test plan can be found under the ODIS Special Functions Tab (Figure 2) or by navigating to "Immobilizer functions" under "Elect. Immobilizer 5A" after clicking the "Select self test" button in the Test Plan tab (Figure 3). This procedure adapts both the remote and immobilizer functions of the key.

Note: Vehicle may not start and or have warning lights on cluster after immobilizer / key adaptation is completed. See pg. 5 information in this tech tip after immobilizer / key adaptation for further instructions.



Figure 1.

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	is Test plan Operation Special functions	
ests for the e	ntire vehicle	
Status	Tests	
-	17 - Component protection, instrument cluster	
-	47 - Component protection, sound system	
-	57 - TV tuner component protect.	
-	5F - Component protection, information electronics	
	25 - Immobilizer functions	
	25 - Adapt immobilizer	
-	25 - Imm Wilzer components status	
•	25 - Online system test	
	26 - Component protection functions	
-	25 - Showroom mode	
	1	

Figure 2.

ist overview	
Heating, ventilation, air conditioning system (Repair Group)	
 Electrical System (Repair Group 01; 27; 90 to 97) 	
 01 - Systems capable of self-diagnosis 	
25 - Elect. immobilizer 5A	
 25 - Immobilizer functions 	
25 - Adapt immobilizer	
25 - Immobilizer components status	
25 - Online system test	
Documents Attach to the test plan	S Clos

Figure 3.

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When prompted by the test plan, make the selection to Repair immobilizer (Figure 4).

Prerequisite		
	Prerequisite	
Supply	This test program supports the adaptation of the immobilizer.	
Supply	For this an ignition key must be available.	
DEVICE	Please select: 1. Repair immobilizer	
Return	2. Rewrite all immobilizer data	
Supply	Note:	
If a new identity is implemented, a new key must be inserted into the ignition took		
Prerequisite	For a new identity the Repair immobilizer must be selected.	
	NEW IDENTITY - NOTE	

Figure 4.

Once the purchaser's information is entered and valid login credentials are provided, the adaptation status of all immobilizer components is displayed (Figure 5). Select "Complete/Continue".

Domorrooutes Reades Guider DISS	TSB Total rear Operation Sciences Functioned			
Adapt immobilizer 5				Complete/Continue
Evaluation login/release			-	
			18	
LOGICAL_LINK_1n <> LOGICAL_L	No activation is not necessary. Control module: Schalttafeleinsatz			
Supply	Control module: Schattarelensatz Status: No download necessary Control module: Engine control module 1			
Set repair shop code	Status: No download necessary Control module: Gearbox control unit			
Return	Status: No download necessary Control module: Emergency call module and comm unit			
Enable immobilizer	Status: No download necessary Control module: Status:			
CU assignment	Status.			
IO/NIO				
Return				
Evaluation login/release				
4				
	K < > N	Help	Gancel test	

Figure 5.

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Select "Yes" when prompted to perform key adaptation (Figure 6).

Adapt Immobilizer 5		► Yes
Evaluate key state	* Es are 2 Keys adapted to anti-theft immobilizer control module.	No
Set repair shop code		
Return	Perform a key adaptation?	
Enable immobilizer		
CU assignment		
10/NIO		
Return		
Evaluation login/release		
Supply		
Evaluate key state		
4 100 2		12 14

Figure 6.

Use the + and - buttons to select the number of keys to be adapted, then select "OK" (Figure 7).

Dontorreitan: Flesher Grites Di	SS TSB Test pair Operation Structures	
Adapt immobilizer 5		+
Specifying number of keys		+
Supply	Enter the number of keys that should be adapted via the + and - buttons. Number of keys: 0	OK
Read out status immobilizer		Abort
ок	R	
Return		
XXXXXXXCOMMENTXXXXXX		
10 Byte <> 8 Byte		
Transfer		
Return		
Specifying number of keys		
	Hep Canceltest	

Figure 7.

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Continue to follow test plan instructions to complete key adaptation (Figure 8).

Adapt immobilizer 5	apt immobilizer 5	
Adapt key		
CU assignment	- Switch ignition on with key 2	
Enable immobilizer		Q
CU assignment		
IO/NIO		
Return		
Evaluation login/release		
Evaluate immobilizer condition		
SWITCH with/without Kessy/ESCL		
Adapt key	100 ·	
		2

Figure 8.

Vehicle doesn't start and or warning lights ON after immobilizer / key adaptation. Check for faults related to modules that may no longer be coded (Figure 9).

Control modules Results Orders DISS TSB Test plan Operation Special Functions
DTC memory
Engine Control Module 1 (01 - Engine electronics 1.8-2.0 FSI SULEV) (5G0906259A. 0005 2.0I R4 TFSI 06K907425B H13)
15364 P161200 Engine control module (ECM) Incorrect coding (01100101 active/static)
> (1) 17178 U112300 Databus error value received (00101111 active/static)
▶ 19875 U012100 Lost Communication With Anti-Lock Brake System (ABS) Control Module (10101111 active/static)
* Brakes 1 (03 - Brake electronics) (3Q0907379P 0385 ESC 3Q0907379C H32)
8286 U112300 Databus error value received (10001001 active/static)
8314 P164700 Checking coding/versions of control modules in drivetrain (00001001 active/static)
Networking diagram Control Module List DTC memory list Equipment list
Olagnosis Display Sorting

Figure 9.

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It will be necessary to recode all modules that are no longer coded. Code modules online under the special functions tab, "Code online control module". Modules may include, but not limited to ECM, ABS, TCM. The FES test plan may need to be ran on the Gateway AW 19, select #2 "Re-create function" (Figure 10).



Figure 10

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