

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

April 15, 2016: Update to Model Year Applicability and Information.

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 tips after immobilizer / key adaptation for further instructions.



Figure 1.

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ts for the	entire 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 Abilizer components status	
-	25 - Online system test	
	25 - Component protection functions	
	25 - Showroom mode	

Figure 2.

Test overview	×
Heating, ventilation, air conditioning system (Repair Group)	^
 Electrical System (Repair Group 01; 27; 90 to 97) 	
 4 01 - Systems capable of self-diagnosis 	н
 25 - Elect. immobilizer 5A 	
25 - Immobilizer functions	
25 - Adapt immobilizer	
25 - Immobilizer components status	
25 - Online system test	
	*
Documents Attach to the test plan	se

Figure 3.

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

Adapt immobilizer 5		-1-
Prerequisite		·2·
Supply	This test program supports the adaptation of the immobilizer.	
Supply	For this an ignition key must be available.	
DEVICE	Please select.	
Return	2. Rewrite all immobilizer data	
Supply	Note:	
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	If a new identity is implemented, a new key must be inserted into the ignition lock.	
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".

Control modules Results Orders DIS	S TSB Test plan Operation Special functions			
Adapt immobilizer 5 Evaluation login/release				Complete/Continue
LOGICAL_LINK_1n <> LOGICAL_L Supply	No activation is not necessary. Control module: Schalttafeleinsatz Status: No download necessary Control module: Second control module 1	<u>A</u>	<u></u>	
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:			
CU assignment	Status.			
IO/NIO				
Return				
Evaluation login/release				
	K < > >	Help	- Cancel test	

Figure 5.

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

Control modules Results Orders		Testplan	Operation	Special functions					
Adapt immobilizer 5									Ygs
Evaluate key state	221								No
Set repair shop code Es are 2 Keys adapted to anti-theft immobilizer control module.									
Return	Perio	orm a key a	daptation?						
Enable immobilizer									
CU assignment									
IO/NIO								-	
Return									
Evaluation login/release									
Supply									
Evaluate key state									
			> >			Help	Cancel test		

Figure 6.

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

Specifying number of keys				÷
Statister .				 141
Supply	Enter the number of	of keys that should be adapted	via the + and - buttons.	OK
Read out status immobilizer	Number of keys: 0			Abort
ж			13	
Return				
OXXXXXCOMMENTXXXXXX				
10 Byte <> 8 Byte				
Transfer	1			
Return				
Specifying number of keys				
	0.0			

Figure 7.

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

Adapt immobilizer 5			Complete/Continue
Adapt key			
CU assignment	- Switch ignition on with key 2	*	N
Enable immobilizer			۶L A
CU assignment			
IO/NIO			
Return			
Evaluation login/release			
Evaluate immobilizer condition			
SWITCH with/without Kessy/ESCL			
vdapt key	-		
		-	

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 below).

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
O Diagnosis Display M Sorting

Figure 9.

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If a control module is no longer coded, the test plan for immobilizer / key adaptation has failed. If the scan tool being used is up to date, please submit feedback for the failed test plan using the Help tab and Support button in the right column of the scan tool (figure 10 below).



Figure 10

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 (figure11 below).

Control mode	ules Results Orders DISS TSB Test plan Operation Spe	sial Functions	
Tests for the	entire vehicle		
Status	Tests		
	5F - Information electronics 1 J794		
-	5F Installation status test/reset DTC memory		
	Software version management		
-	Adapt software (offline)		
-	Adapting software		
-	Code online control module		
-	Ctrl. module software configuration		Ŧ
-	Function clearing system (FES)		
-	Function enable system (FES) status	\$	
•			•

Figure 11.

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