

### Tech Tips

#### TT 96-14-05

Date: August 22, 2014

2015-2016 Golf, GTI, Golf R, Sportwagen -Immobilizer Key/Key Remote Adaptation Test Plan

January 15, 2016: Update to model applicability.

To adapt keys to a 2015-2016 Golf, GTI, Golf R or Sportwagen (MQB chassis,) it is necessary to complete the "Adapt Immobilizer" test plan. Kessy Vehicles: Verify that the reader coil (figure 1) is removed from the steering column and the key is touching the reader coil during key adaptation. 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.



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control module	es Results Orders DISS TSB Test plan Operation Special functions					
Fests 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		Ξ			
	25 - Immobilizer functions					
-	25 - Adapt immobilizer		L			
-	25 - Imm bilizer components status					
-	25 - Online system test					
25 - Component protection functions						
-	25 - Showroom mode	Figure 2				
	"		•			
Perform test Display documents						

#### × 🔁 Test overview . Heating, ventilation, air conditioning system (Repair Group) Electrical System (Repair Group 01; 27; 90 to 97) Ξ 4 01 - Systems capable of self-diagnosis 25 - Elect. immobilizer 5A 4 25 - Immobilizer functions 25 - Adapt immobilizer 25 - Immobilizer components status 25 - Online system test Figure 3 0 Documents Attach to the test plan se

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When prompted by the test plan, make the selection to Repair immobilizer, as shown in figure 4.

Control modules Results Orders DISS	TSB Test plan Operation Special functions
Adapt immobilizer 5 Prerequisite	-1-
Supply Supply	This test program supports the adaptation of the immobilizer.
DEVICE	Please select: 1. Repair immobilizer
Return Supply	2. Rewrite all immobilizer data
	<ul> <li>If a new identity is implemented, a new key must be inserted into the ignition lock.</li> <li>For a new identity the Repair immobilizer must be selected.</li> </ul>
Prerequisite	
< <u> </u>	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 Set repair shop code Return Enable immobilizer CU assignment	Contr Statu Contr Statu Contr Statu Contr Statu	ol module: s: No dowr ol module: s: No dowr ol module: s: No dowr ol module: s: No dowr ol module:	load neces Gearbox co load neces	- sary trol module 1 sary ntrol unit sary call module and comm unit
IO/NIO Return Evaluation login/release				Help Cance Figure 5

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

Control modules Results Orders DISS	TSB Test plan Operation Special functions	
Adapt immobilizer 5		Yes
Evaluate key state		No
Set repair shop code	Es are 2 Keys adapted to anti-theft immobilizer control module.	
Return	Perform a key adaptation?	
Enable immobilizer		
CU assignment		
IO/NIO		
Return		
Evaluation login/release		
Supply		
Evaluate key state	Eiguro 6	<u>,</u>
	Figure 6	<u></u>

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

Control modules Results Orders DISS	TSB Test plan Operation Special functions	
Adapt immobilizer 5		+
Specifying number of keys		
Supply	Enter the number of keys that should be adapted via the + and - buttons.	ок
Read out status immobilizer	Number of keys: 0	Abort
ок		
Return		
XXXXXXCOMMENTXXXXXX		
10 Byte <> 8 Byte		
Transfer		
Return		
Specifying number of keys		
	Figure	7

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Control modules Results Orders DISS	TSB Test plan Operation Special functions		
Adapt immobilizer 5			Complete/Continue
Adapt key			
CU assignment	- Switch ignition on with key 2 .	*	Ş
Enable immobilizer			Ьď
CU assignment			
ΙΟ/ΝΙΟ			
Return			
Evaluation login/release			
Evaluate immobilizer condition			
SWITCH with/without Kessy/ESCL			
Adapt key		Fi	gure 8
	K < > >	Help Cancel test	

Continue to follow test plan instructions to complete key adaptation (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.

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)				
→ J 17178 U112300 Databus error value received (001011111 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				
Diagnosis Display Sorting				

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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.



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.

Control modu	ules Results Orders DISS TSB Test plan Operation Special 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	E				
	Function clearing system (FES)					
	Function enable system (FES) status	F				
•	m m					

Clear all related faults, recheck operation of the vehicle.

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