

Tech Tips

TT 96-14-05

Date: August 22, 2014

2015 Golf, GTI – Immobilizer Key / Key Remote Adaptation Test Plan

April 24, 2015 – Update to Information due to Vehicle Doesn't Start and or Warning Lights ON after Key Adaptation.

To adapt keys to a 2015 Golf or Golf GTI, it is necessary to complete the "Adapt Immobilizer" test plan. This test plan can be found under the ODIS Special Functions Tab (figure 1) or by navigating to "Immobilizer functions" under "Elect. Immobilizer 5A" after clicking the "Select self test" button in the Test Plan tab (figure 2). 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 information in this tech tips after immobilizer / key adaptation for further instructions.

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 bilizer components status	
-	25 - Online system test	
	25 - Component protection functions	
-	25 - Showroom mode	

© 2015 Volkswagen Group of America, Inc.



P	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
	 4 25 - Elect. immobilizer 5A
	4 25 - Immobilizer functions
	25 - Adapt immobilizer
	25 - Immobilizer components status
	25 - Online system test
ľ	
	Documents Attach to the test plan Close Figure 2 Figure 2

When prompted by the test plan, make the selection to Repair immobilizer, as shown in figure 3.

Control modules Results Orders DISS	TSB Test plan Operation Special functions	
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: 1. Repair immobilizer	
Return	2. Rewrite all immobilizer data	
Supply	1 Note:	
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	 If a new identity is implemented, a new key must be inserted into the ignition lock. For a new identity the Repair immobilizer must be selected. 	
Prerequisite	 Por a new identity the Repair Intribulitzer must be selected. 	
4 []	F	igure 3

© 2015 Volkswagen Group of America, Inc.

Page 2 of 6



Once the purchaser's information is entered and valid login credentials are provided, the adaptation status of all immobilizer components is displayed (figure 4). Select "Complete/Continue".

Control modules Results Orders DISS	TSB Test plan Operation Special functions		
Adapt immobilizer 5			Complete/Continue
Evaluation login/release			
LOGICAL_LINK_1n <> LOGICAL_L Supply Set repair shop code Return Enable immobilizer	No activation is not necessary. Control module: Schalttafeleinsatz Status: No download necessary Control module: Engine control module 1 Status: No download necessary Control module: Gearbox control unit Status: No download necessary Control module: Emergency call module and comm unit Status: No download necessary	k}^	
CU assignment	Control module: Status:		
Return			
Evaluation login/release		-	
		Help Ca Figure	9 4

Select "Yes" when prompted to perform key adaptation (figure 5).

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		
	Help Car Figure	95

© 2015 Volkswagen Group of America, Inc.

Page 3 of 6



Use the + and – buttons to select the number of keys to be adapted, then select "OK" (figure 6).

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		
	Hep Car Figure	e 6

Continue to follow test plan instructions to complete key adaptation (figure 7). Note that keys must be placed inside immobilizer reader coil (located behind steering column trim) during adaptation process.

Control modules Results Orders DISS		
Adapt immobilizer 5		► Complete/Continue
Adapt key		
	- Switch ignition on with key 2 .	
CU assignment		
Enable immobilizer		50
CU assignment		
IO/NIO		
Return	-	
Evaluation login/release		
Evaluate immobilizer condition		
SWITCH with/without Kessy/ESCL		
Adapt key		
·	Figur	ro 7
	Help Cand	

© 2015 Volkswagen Group of America, Inc.

Page 4 of 6



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		
Index Provide America Anticipation Provide America		
15364 P161200 Engine control module (ECM) Incorrect coding (01100101 active/static)		
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		
Capitagnosis Display Sorting		

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.



© 2015 Volkswagen Group of America, Inc.

Page 5 of 6



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.

Contr	ol modu	les Results Orders DISS TSB Test plan Operation Special Functions			
Tests for the entire vehicle					
S	tatus	Tests	•		
		5F - Information electronics 1 J794			
		5F - Installation status test/reset DTC memory			
		Software version management			
		Adapt software (offline)			
	(Contral)	Adapting software			
		Code online control module			
		Ctrl. module software configuration	E		
		Function clearing system (FES)			
		Function enable system (FES) status	F		
•		m			

Clear all related faults, recheck operation of the vehicle.

© 2015 Volkswagen Group of America, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.