



96-14-05TT - Immobilizer Key / Key Remote Adaptation Test Plan

Release date: 8/13/2021

Condition

ATTENTION: THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN. TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.

Table with 6 columns: Model(s), Year, Eng. Code, Trans. Code, VIN Range From, VIN Range To. Rows include Golf, GTI, Golf R, eGolf, Golf SportWagen; Atlas, Atlas Cross Sport, Tiguan LWB; Jetta; and Taos.

Revision Table with 4 columns: Instance Number, Published Date, Version Number, Reason For Update. Shows history of updates from 2038198/1 to 2038198/16.

Technical Background

To adapt keys, any immobilizer component including the Control Module for Emergency Call Module and Communication Unit -J949- or a new identity, makes it 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 (Figures 1a – 1c). Bladed key vehicle, it is not necessary to remove the reader coil. The test plan can be found under the ODIS Service 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.



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Note:

Vehicle may not start and or have warning lights on cluster after immobilizer / key adaptation is completed. See figure 9 information in this tech tip after immobilizer / key adaptation for further instructions.

Prior to starting the test plan to adapt the immobilizer, the key positioning on the reader coil itself is critical. Monitor MVB information in the immobilizer with the key touching the reader coil to verify a key ID is being seen.

Key ID MVB information may either be found under Address word 25 Immobilizer or Address word 17 Instrument cluster depending on vehicles module protocol.

Service

If the key ID is not being seen in the MVB reading, then rotate the key around the reader coil until the key ID is seen in MVB information.

Measured values - Display measured values

25 - Immobilizer (UDS / ISOTP / 5K0953234 / 0604 / H04 / EV_Immo_UI) Adaptation

Name	Value
[VO]_WFS-Challenge	64 7D CB CC
[VO]_Transponder-ID des aktuellen Schlues	D8 83 5E 73 ← Example - Key ID for key at reader coil
[VO]_Transponder-ID des 1. Schluessels	D8 8B 82 2A
[VO]_Transponder-ID des 2. Schluessels	

Update Now cyclic 0 s

Possible key placements at Reader Coil





Figure 1c

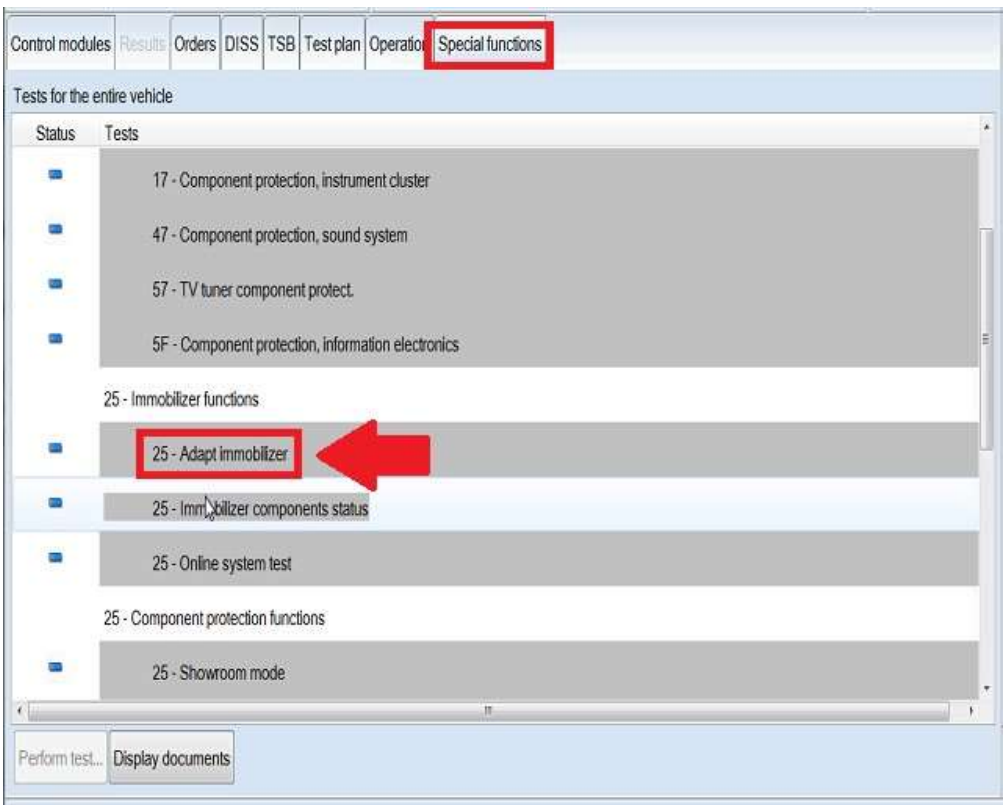


Figure 2



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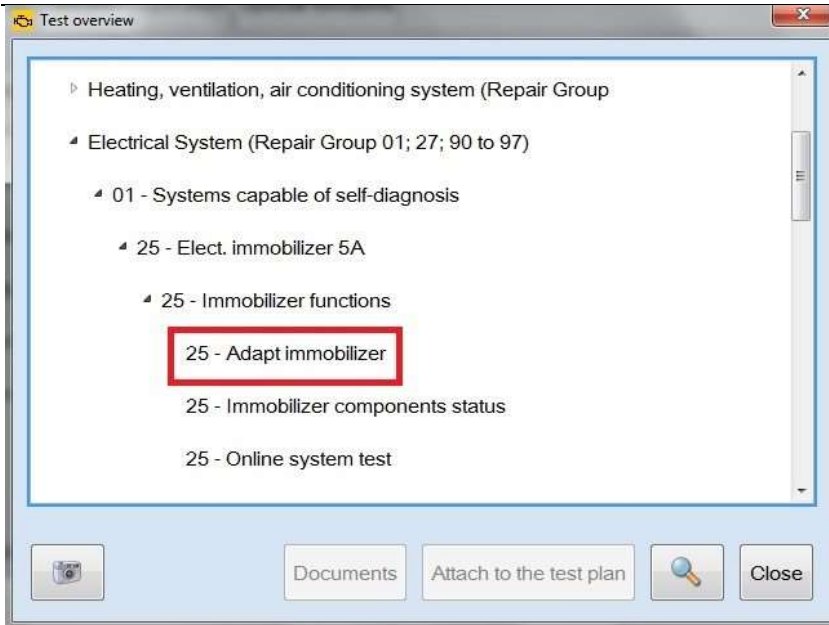


Figure 3

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

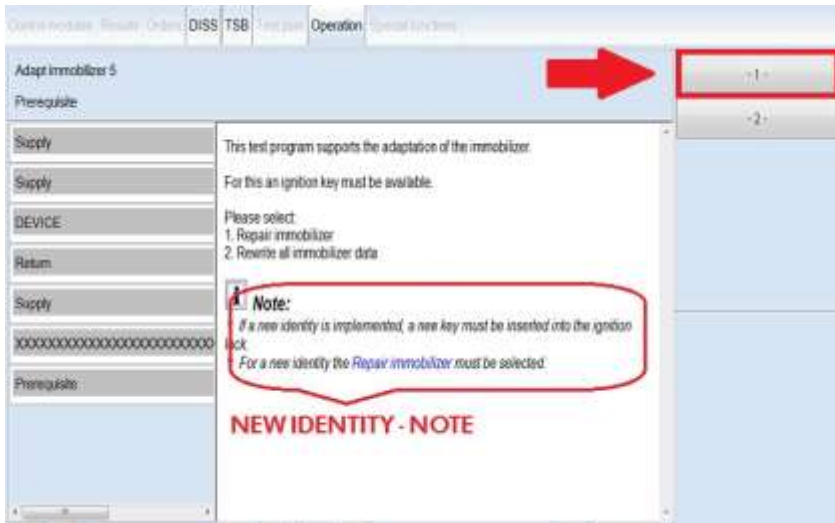


Figure 4



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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".

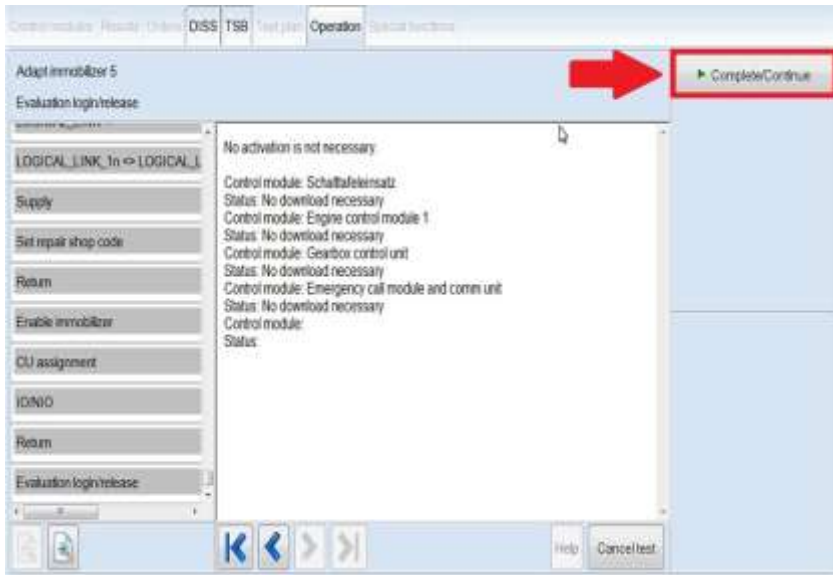


Figure 5

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

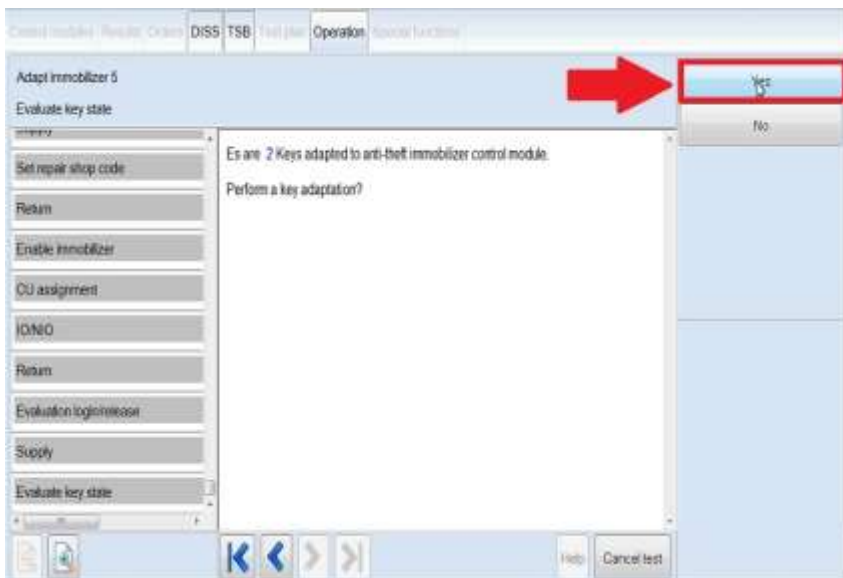


Figure 6



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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).

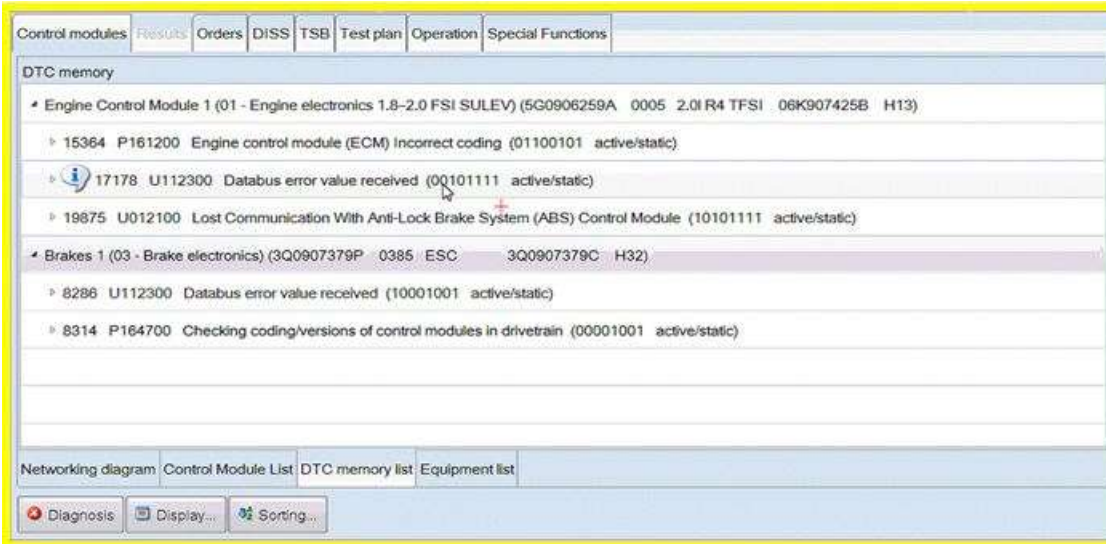


Figure 9

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" (Figure10).

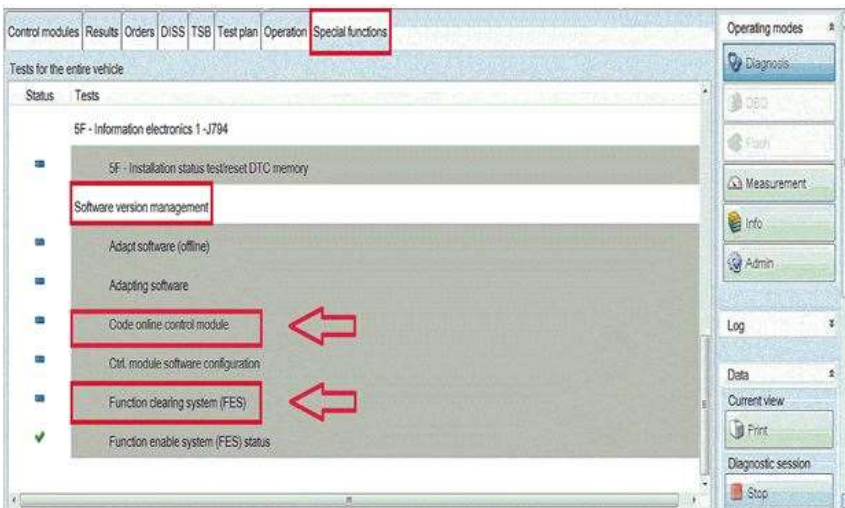


Figure 10

Additional Information

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