

Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Routan	2009	All	All	All	All

Condition

96 14 06 October 3, 2014 2038432

WIN Module Replacement

Revised programming procedure for Marquardt Wireless Control Module (WCM) replacement kits.

Note:

Read this information in its entirety before beginning programming. Failure to do so may result in programming failure.

Technical Background

The Wireless Ignition Node (WIN) module for MY 2009 Routan been superseded to the supplier Marquardt.

These kits come with the Fobiks already programmed to the WIN module. Because of this change there is a revision in the programming of the WIN module.

Note:

wiTECH™ SOFTWARE LEVEL MUST BE AT RELEASE 13.04.15 OR HIGHER FOR THIS BULLETIN.

Part No:	Part Description	System Features
7B0998021T (7 button FOB)	Marquardt WIN Kit (GX1+4K4+4E9)	All Features
7B0998021S (6 button FOB)	Marquardt WIN Kit (GX1+4F2+4E9)	Power Sliding Door + Power lift Gate + Central Locking
7B0998021R (5 button FOB)	Marquardt WIN Kit (GX1+4F2+4E0)	Power Sliding Door + Central Locking
7B099802Q (3 button FOB)	Marquardt WIN Kit (GX0+4F2+4E0)	Central Locking Only
7B0998021AA (6 button FOB)	Marquardt WIN Kit (GX1+4K4+4E0)	Power Sliding Door + Central Locking W/Remote Start



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Note:

Be sure to match the PR code using a VIN in ETKA to obtain the proper kit configuration. Always check the current vehicle key FOB button configuration to see if the remote start feature has been added to the vehicle. Panic button is included in the all the configurations.

Production Solution

Not applicable.

Service

Using a Scan Tool (wiTECH) with ElsaPro and the appropriate Diagnostic Procedures, verify all engine systems are functioning as designed. If DTC's are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

NOTE:

This procedure requires the wiTECH Desktop Client to perform this procedure. The wiTECH software must be v13.04.15 to program MY2009 Routan WIN. Refer to Service Information VSE-14-18 located on Service Net> under Workshop-Equipment> wiTECH/ StarMobile-Diagnostic-Tool> Service-Information

Install a Volkswagen approved battery charger/maintainer to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the programming process.

FOR THIS PROCEDURE, the Secret Key data in the new WIN module is the one that should be retained on the vehicle.

Installing new WIN module with preprogrammed FOBs

The WIN module and FOBs in this package have been preprogrammed together as a set. Because they are programmed these FOBs cannot be used with another WIN module or on another vehicle. The original FOBs for this vehicle cannot be used with this new WIN module and will no longer be usable.

NOTE:

Because these parts are preprogrammed, the standard WiTECH WIN Replacement procedure must be altered. It is critical that during the installation of the new WIN module that the back-up copy of the Secret Key, stored in the PCM is not transferred to the new WIN module overwriting the programming which matches the supplied FOBs. For this reason these instructions must be followed explicitly! Failure to follow these instructions could render the new FOBs obsolete.

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Repair Procedure

Remove the original WIN module and install the new WIN module per the Elsa Repair Manual.

Insert a new provided FOBIK into the WIN module and switch the ignition to the run position.

Connect the WiTECH Desktop Client to the vehicle.

1. Select the WCM (Wireless Control Module) from the Vehicle View screen (Figure 1).

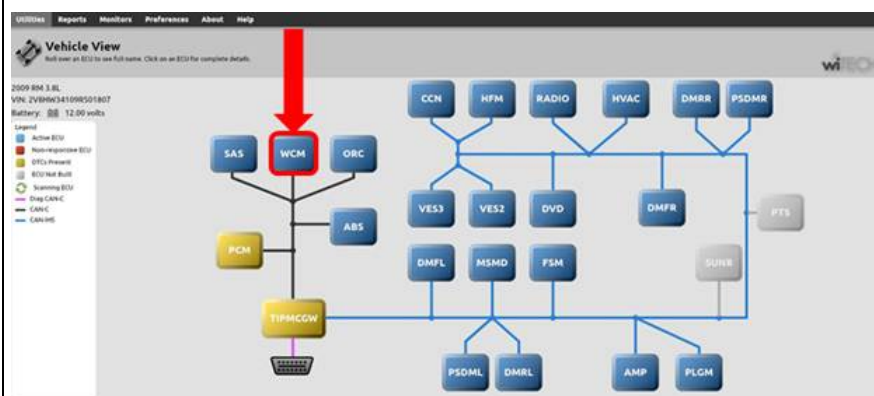


Figure 1

2. Select the Misc. Function tab and select WIN Replaced procedure (Figure 2).

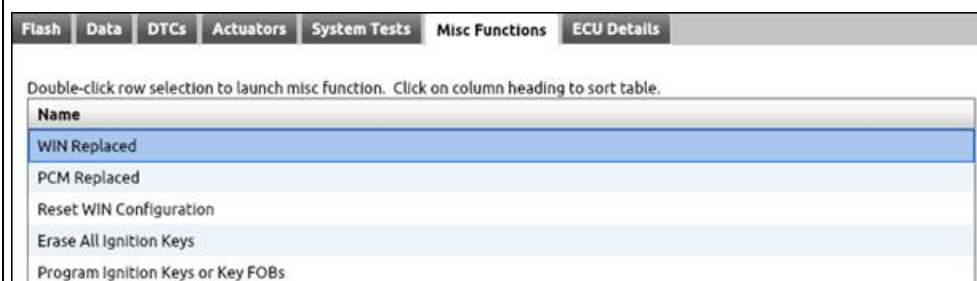


Figure 2

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3. When prompted select continue (Figure 3).



Figure 3

4. When prompted, enter the PIN into the new WIN. This step will write the PIN to the new WIN. You will be asking to verify the PIN is correct before this procedure can continue. If PIN is correct select Continue to proceed (Figure 4).

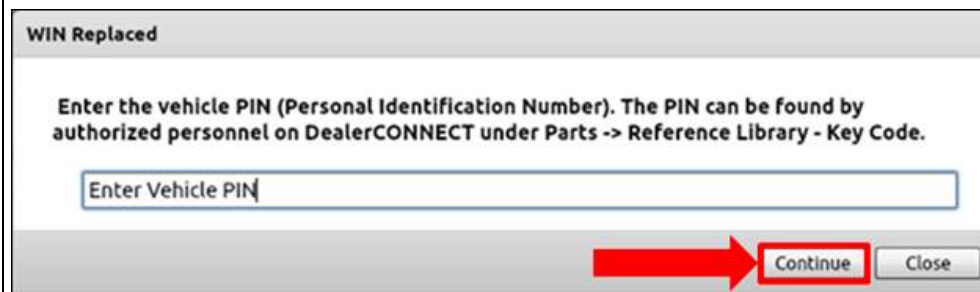


Figure 4

5. Run the procedure up to the confirmation screen that states "PIN has been programmed".

NOTE:

DO NOT SELECT CONTINUE! You must Close the procedure at this point. (Figure 5)



Figure 5

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NOTE:

Cycling the ignition key too quickly may interrupt the learn process.

Cycle the ignition key OFF and remove the key for 2 seconds.

Reinsert the ignition key and switch the key to the ACC/ON position.

Using either supplied FOB/IK verify the vehicle can be started.

Tip:

If the vehicle starts, the procedure has been successfully.

NOTE:

If the vehicle does not start, something has failed in the procedure. **DO NOT CONTINUE.** Contact Volkswagen Technical Assistance for assistance.

- If the vehicle started, verify the second FOB/IK also starts the vehicle.
- Remove the FOB/IK and verify the RKE functions correctly.
- Perform the following steps to complete this procedure.

Procedure Completion:

This procedure will transfer the new Secret Key in the WIN module to the PCM.

6. Select the Misc. Function tab and select PCM Replaced procedure (Figure 6).

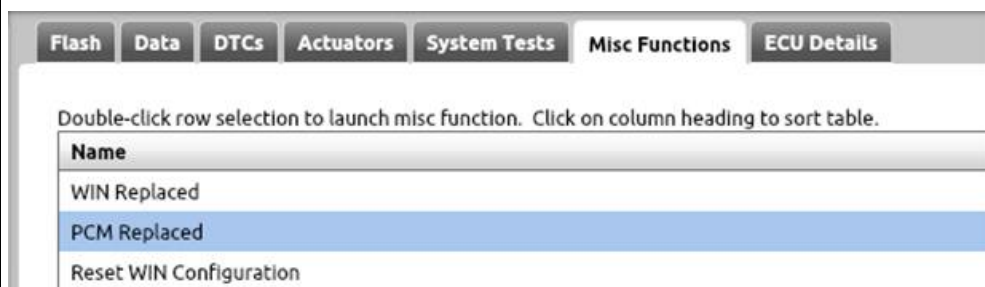


Figure 6

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7. This screen shows a WARNING that running the “PCM Replaced” procedure may cause a loss of valid secret key information in the PCM. To finish installing the preprogrammed WIN the secret key information in the PCM must be changed, so selecting “Continue” is the correct response (Figure 7).

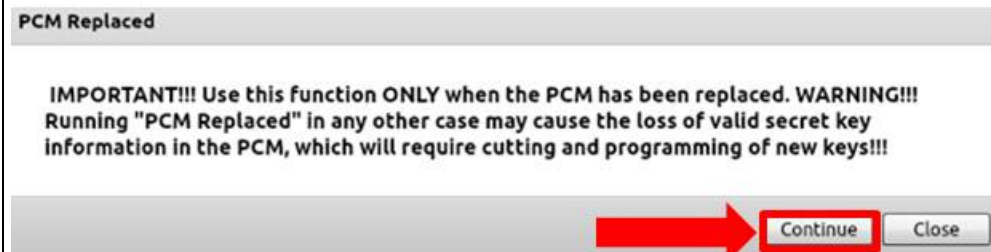


Figure 7

8. When prompted, enter the PIN. Like the previous step you will be asked to verify the PIN is correct before the routine can proceed. Select Continue (Figure 8).

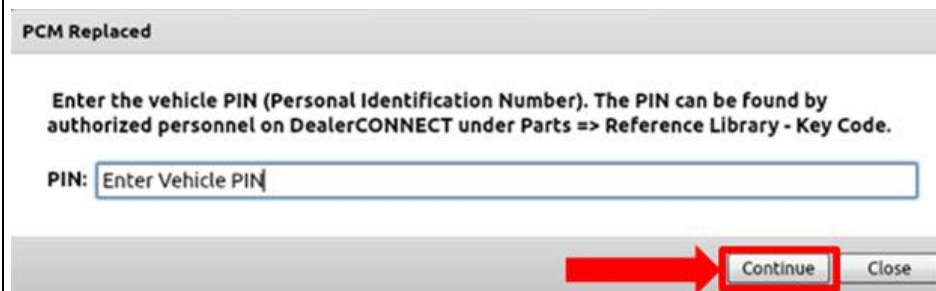


Figure 8

9. When you receive a confirmation that the PIN entered is correct, select Continue (Figure 9).



Figure 9

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10. When prompted to update the current WIN VIN, select Continue. The PCM already has the correct VIN, but this step is required to proceed to the following steps (Figure 10).



Figure 10

11. When you will receive a confirmation that the VIN write was successful select Continue (Figure11).



Figure 11

12. The final step is the transfer of the (new) secret key from the WIN to the PCM. This will replace the old secret key with the new secret from the new WIN. When you receive a confirmation that the transfer of secret key was successful, select Close (Figure 12).



Figure 12

- Cycle the ignition key.
- Verify one more time all FOBs and both ignition keys start vehicle.
- Clear any DTCs that were set during the programming of the WIN.



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Warranty

Information only.

Required Parts and Tools

No special parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX 3000 VAS
StarMOBILE Tester Kit or VW MICRO POD Tester Kit	CH9401 (SW level 10.01.23 or higher) VWMICROPOD
wiTECH Desktop Client	(Software level 13.04.15 or higher)

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.