

Independent Workshop Procedure for Obtaining a “Pass Thru” Immobilizer Adaptation for MY 2010 and beyond Module Initialization

The Immobilizer is a theft-deterrent device that adds a layer of security that is standard on every Volkswagen and Audi model. This is achieved with an electronic device embedded in the ignition key, an Immobilizer Control Module and an electronic link to the Engine Control Module.

Working with Immobilizer Systems

Volkswagen limits access to certain functions by requiring a Personal Identification Number (PIN). PINs are required for the following functions:

- Replacing Instrument clusters
- Replacing Engine Control Modules
- Other repairs to the Immobilizer system

System Access

Volkswagen uses an on-line Immobilizer Adaptation (PIN) delivery system. It is a vehicle anti-theft protection system. With this system a laptop computer and a J2534-1 pass thru device is connected to the vehicle and via Internet to an online database called Fazit. The identification of the tester and vehicle are passed to the database and the correct PIN is passed to the vehicle in a secure link without direct user interface.

LAPTOP and Internet Requirements for performing immobilizer Functions

- Hardware
 - CPU PIII 500 MHz
 - RAM 512 MB
 - Graphics 640x480
 - Hard Disk 10 GB
 - USB: Min. 1x USB connection for Pass Thru-Box
 - LAN: Standard 100 MBit

Operating System:

- Windows 2000
 - Service Pack 4 or higher
 - Microsoft Internet Explorer 6.0 SP 2 or later
 - Adobe Acrobat Reader 5.05 or higher
 - Java 2 Runtime Environment 1.4.2_15
- Windows XP
 - Service Pack 2 or higher
 - Adobe Acrobat Reader 5.05 or higher
 - Microsoft Internet Explorer 6.0 SP 2 or later
 - Java 2 Runtime Environment 1.4.2_15
- Un-interrupted, hard wired, internet link (wireless or cell phone access to the web site has not been tested and is not recommended for this function)

Notice: We recommend using Windows XP SP2 with Internet Explorer 6.0 SP2

This technique requires a secure un-interrupted, hard wired, Internet connection and a Pass Thru device that has been recommended for this application

How high is the volume of data transmitted during immobilizer adaptation?

During update programming approx. 4MB are transmitted via the Internet connection. Local administrator rights are necessary for its installation on your laptop PC.

Why do I need a permanent Internet link for update programming?

In order to avoid errors occurring during the immobilizer process it is important to understand that once started, the process can not be interrupted or disconnected and the PC must not be allowed to go into standby, hibernation or similar power management modes.

First Step: Obtaining a J 2534-1 Pass thru device

Pass thru devices are available for purchase from a recommended Manufacturer for registered workshops to perform Immobilizer functions.

Which Pass Thru appliances are currently recommended for update programming?

- Actia I+ME Pass-Thru+XS
- Available from ACTIA Corp. at www.actiaus.com or (734) 266-2083
<http://www.passthruXS.com>
- DrewTech CARDAQ - Plus
- Available from Drew Technologies, Inc.
<http://www.drewtech.com> or (734) 222-5228
- Blue Streak iflash Global Programmer
- Available from Blue Streak Electronics
<http://www.bsecorp.com> or (905) 669-4812
- Email at Info@bsecorp.com

Notice: Currently Pass Thru re-programming supports SAE J2534-1 version 4.04 only. Please make sure that you have installed the appropriate driver for your Pass Thru device. For details read the documentation shipped with your device or contact the manufacturer.

Second Step: Register as an Authorized Independent Workshop with VW

Independent workshops wishing to perform Pass Thru Immobilizer functions must first be registered with VW.

Process:

Contact Arvato at (800) 544-8021 or mailto: vwgoa@arvatousa.com

1. Arvato will provide, within one working day, at no charge, a Registration form and a Security Code Application form, by fax, email, or mail, with instructions.
2. The workshop must return the completed form, along with business license documentation, and application fee to Arvato. Note about application fee: Independent workshops requesting VW certification will be charged a registration fee of \$100, which is submitted with the application form. This fee is refundable if the request is denied. This fee is not refundable once a workshop has been accepted into the program. Business checks, cashiers checks, or credit cards are acceptable payment.

(Note) Application process and fees are subject to change as business requirements change

3. Arvato Immobilizer Support will respond to the workshop with program information within 2 days upon receipt of the application fee. Total processing time from initial request to approval or disapproval will take approximately 2 Weeks, plus time spent by the requesting workshop during the application cycle.
4. Individual System access IDs and passwords will be sent via separate e-mail for security

Third Step: Obtaining an Immobilizer Adaptation

Obtaining an immobilizer adaptation requires access to a laptop configured for use with the security system, a high speed internet connection and additional information identifying both the vehicle and workshop to maintain security. The adaptation is only valid for the vehicle it is being performed on at the time it is being performed.

1. A required free software download is available through erWin to be loaded on the laptop or a CD can be requested if desired. The Software download is available on the erWin home page under the heading: "Reprogramming"
 2. Registered workshops: request an immobilizer adaptation through the erWin service information web site.
 3. A license file is downloaded through erWin allowing timed access to the information for Immobilizer adaptation. The license download is available on the erWin home page under the heading: "Reprogramming"
- If the vehicle has been reported as stolen, no immobilizer adaptation will be given.
 - Immobilizer adaptation fee of \$29.95 will apply for each adaptation received by the workshop.
 - Registered workshops will submit an on line credit card payment to receive each adaptation.