



IMPORTANT INFORMATION ABOUT YOUR **2009 2.0L TDI Volkswagen**

GENERATION 1 ENGINE

Automatic Transmission -Transmission Mechatronic Unit (TMU)



Volkswagen

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IMPORTANT WARRANTY INFORMATION

**KEEP IN GLOVE BOX OR OTHER LOCATION FOR FUTURE
REFERENCE**



About This Booklet

On September 18, 2015 the Environmental Protection Agency (EPA) and California Air Resources Board (CARB) informed Volkswagen that Model Year 2009 - 2015 2.0L TDI vehicles do not comply with federal and California emissions standards. The information in this booklet represents a step forward as we continue on the road to making things right for you.

As part of Volkswagen's settlements with the United States Department of Justice (DOJ), Environmental Protection Agency (EPA), the California Air Resources Board (CARB), the California Attorney General's Office (CAAG), the Federal Trade Commission (FTC) and Class Counsel, we are informing you that the previously approved emissions modification for your vehicle cannot be applied to your vehicle without an additional step that was not part of the original emissions modification. As a result, EPA and CARB have disapproved the previously approved emissions modification for your vehicle and it is no longer available. Unless otherwise noted, any technical communications or materials related to the original approved emissions modification for your vehicle are no longer applicable. However, EPA and CARB have subsequently approved a revised emissions modification for your vehicle, which includes the additional required step. In particular, the Transmission Mechatronic Unit (TMU) – the component that houses the device that controls your vehicle's automatic transmission – must be replaced in order for your vehicle to receive the revised approved emissions modification. This emissions modification is now available for your 2009 Model Year 2.0L TDI (GEN 1) vehicle. While not all 2009 Model Year 2.0L TDI (GEN1) vehicles are impacted by this change, if you have received this booklet, your vehicle was impacted.

The following pages outline the emissions system updates that are now available for your Model Year 2009 Volkswagen 2.0L TDI and the extended emissions warranty coverage that will be provided for cars that receive the modification. You can also read about the impact these updates will have on your driving experience as well as instructions on maintaining your vehicle post-modification.

Volkswagen is also required to offer a buyback of your vehicle or terminate your existing lease as an alternative to the emissions modification, under settlement agreements reached with the DOJ, EPA, CARB, CAAG, FTC and Class Counsel. It is your choice whether to select the buyback/lease termination or emissions modification option. You can visit **VWCourtSettlement.com** to learn more and to file a claim. Owners selecting the emissions modification can find additional information on eligibility, scheduling, and details on logistics at **www.vwcourtsettlement.com**, or through 844-98-CLAIM.

For questions about any of the material included in the booklet please visit **<http://www.vw.com/owners-recalls/>** or contact VW Customer CARE at 800-822-8987.

Overview

Federal and California laws prohibit the use of defeat devices and the use of engine software designed to reduce the effectiveness of your vehicle's emission control systems. The EPA and CARB have determined that Volkswagen vehicles equipped with a 2.0L 4-cylinder TDI engine do not comply with these laws. Through the agreed upon emissions modification, VW will remove the software that reduced the effectiveness of your TDI's emission control system and will install new emission control software and hardware designed to function effectively in all normal driving conditions.

Software and Hardware Updates

EPA and CARB have approved an emissions modification plan, available now. During the modification Volkswagen will remove the software that reduced the effectiveness of your TDI's emission control system and replace it with software that directs your vehicle's emission controls to function effectively in all normal driving conditions. The modification will also include the replacement of the NO_x Reduction Catalyst, the Exhaust Gas Recirculation filter, the Exhaust Gas Recirculation exhaust flap, the Diesel Exhaust Particulate Filter, the Oxidation Catalyst, the Glow Plug Control Module, and the TMU (the component that houses the device that controls your vehicle's automatic transmission). Drivers may notice some differences in vehicle operating characteristics after the modification, as described in this booklet, but no significant additional changes to key vehicle attributes are expected, including reliability, durability, vehicle performance, drivability, or other driving characteristics.

The new software will affect your car in the following ways:

- Engine sound will differ from your vehicle's prior operation. There will be increased noise from the engine that is most noticeable at midrange engine speeds, specifically during moderate acceleration. Low fuel quality can amplify the sound. The change in sound will not result in any noticeable changes to the driving characteristics of your vehicle.
- Frequency and occurrence of special engine operating modes (e.g. Diesel Particle Filter Regeneration) will differ which will result in regenerations in different situations compared to the previous software.
- Sport Mode Changes – While driving in Sport mode, the automatic transmission will shift earlier at low accelerator positions for improved driving comfort which results in a lower engine speed at constant driving.
- Vehicle Drivability – Minor changes in engine torque while transitioning between operating modes, which Volkswagen does not expect to be noticeable for drivers.
- Decreased fuel economy – Your vehicle's fuel economy will decrease by up to 2 mpg, depending on driving style and habits.
- Drive Mode Changes – In normal drive mode, automatic transmissions will shift later for improved driving comfort at medium acceleration. This results in higher engine speeds and is most evident during engine warm-up and at high altitudes.

Software and Hardware Updates (Continued)

- On-board diagnostic (OBD) system changes – Your OBD system’s operations will be modified and, based upon the agreement with EPA and CARB, certain emission thresholds will be adjusted. These thresholds set new malfunction detection limits that are compliant with agreements. These new levels may be above what inspection and maintenance regulators are familiar with. We don’t expect you will have any issues, but the extended warranty coverage outlined in this booklet offers additional protection if your vehicle is still covered under warranty at the time of inspection. These changes should not be noticeable to a driver and do not impact driving characteristics.

Your Volkswagen dealer will complete the modifications in approximately eight hours. Volkswagen will provide you with a loaner vehicle at zero cost to you.

There are occasionally outstanding recalls that your vehicle may be subject to. Any such open items will be completed at the time of the AEM and may require increased time at the dealer. You will be notified of any expected recalls and duration of the service action when calling in to schedule your appointment.

Changes in Maintenance Schedule

The emissions modification of your Volkswagen does not affect the recommended vehicle maintenance schedule for oil change intervals and Exhaust Gas Recirculation (EGR) cleaning as described in your maintenance booklet.

Emission Limits

Two additional labels will be installed under the hood of the vehicle after the modification is completed. The first label is an emissions modification completion label and the second is the updated Vehicle Emissions Compliance Information (VECI) label.

Your vehicle was originally certified to EPA and CARB emission standards. After the modification, your vehicle's emissions will be reduced but will still be higher than the emission standard to which it was originally certified. The certified emissions standards compared with the emission limits that apply to your vehicle after the modification are shown in Exhibit 1.

Exhibit 1: Certification standards and respective emission limits¹ applicable to your vehicle before and after the Emission Modification

Emission limits applicable to your vehicle before the Emission Modification

Federal

Standard / Emission limits in grams/mile	NOx (Nitrogen oxides)	NMOG (Non-methane hydrocarbons)	CO (Carbon monoxide)	PM (Particulate matter)	HCHO (Formaldehyde)
Tier 2 Bin 5 0-50,000 miles	0.05	0.075	3.4	0.01	0.015
Tier 2 Bin 5 50,001-120,000 miles	0.07	0.090	4.2	0.01	0.018

California and Section 177 states

Standard / Emission limits in grams/mile	NOx (Nitrogen oxides)	NMOG (Non-methane hydrocarbons)	CO (Carbon monoxide)	PM (Particulate matter)	HCHO (Formaldehyde)
LEVII ULEV 0-50,000 miles	0.05	0.040	1.7	n.a.	0.008
LEVII ULEV 50,001-120,000 miles	0.07	0.055	2.1	0.01	0.011

Emission limits applicable to your vehicle after the Emission Modification (applies to all Generation 1 vehicles)

Federal States, California and Section 177 State

Standard / Emission limits in grams/mile	NOx + NMOG (Nitrogen oxides + Non-methane hydrocarbons)	CO (Carbon monoxide)	PM (Particulate matter)	HCHO (Formaldehyde)
Automatic Transmissions 0-120,000 miles	0.160	4.2	0.01	0.018
Manual Transmissions 0-120,000 miles	0.190	4.2	0.01	0.018

¹ As measured by Federal Test Procedure (FTP75). Additional limits apply for the Supplemental Federal Test Procedure (SFTP), the Highway test procedure and in the Federal Test Procedure at high altitude.

Extended Emissions Warranty Coverage

A warranty extension is applicable for the following Volkswagen 2.0L TDI engine vehicles that require a Transmission Mechatronic Unit replacement to complete the emissions modification. Not all vehicles in the model years below will require that this hardware be replaced, and the extended warranty described in the prior 2009 – 2014 2.0L TDI Volkswagen Generation 1 emissions modification booklet will continue to apply to any such vehicles that do not require a Transmission Mechatronic Unit replacement. If you have received this booklet, the warranty described below applies to your vehicle.

- Certain 2009 MY Jetta with engine code CBEA
- Certain 2009 MY Jetta Wagons with engine code CBEA

Warranty Period

The warranty period for the “Extended Emissions Warranty” limited warranty extension, as agreed to in the settlement, is the **greater** of:

- 10 years or 120,000 miles, whichever occurs first from the vehicle’s original in-service date; **OR**
- 4 years or 48,000 miles, whichever occurs first, from the date and mileage of the emissions modification.

The vehicle’s original in-service date is defined as the date the vehicle was delivered to either the original purchaser or the original lessee; or if the vehicle was first placed in service as a “demonstrator” or “company” car, on the date such vehicle was first placed in service.

Extended Emissions Warranty Coverage (continued)

Parts Covered Under Extended Warranty

- The entire exhaust gas after treatment system, including the Diesel Oxidation Catalytic Converter (DOC), the NO_x Reduction Catalytic Converter, the Diesel Particulate Filter (DPF), the exhaust flap, and all sensors and actuators;
- The entire fuel system, including fuel pumps, high pressure fuel rail, fuel injectors, vibration damper, pressure control valve, and all sensors and actuators;
- The EGR system, including EGR valves, EGR cooler, EGR filter, EGR temperature sensor, all related hoses and pipes, and all sensors and actuators;
- The air intake pipe and charge air cooler, charge air temperature sensor and air-mass sensor (HFM);
- The turbocharger, including the turbocharger damper;
- The glow plug;
- The On-Board Diagnostic (OBD) system, including any malfunctions detected by the On-Board Diagnostic (OBD) system other than those related to the transmission;
- The Transmission and the Transmission Mechatronic Unit.

Additionally, the engine long block warranty shall cover the engine sub-assembly that consists of the assembled block, crankshaft, cylinder head, camshaft, and valve train.

The extended emissions warranty includes parts, labor, and applicable taxes. The extended emissions warranty shall not void or supersede any existing warranty. Conflicts concerning the warranty are to be resolved in favor of the consumer.

This warranty extension will not cover:

- Any damage or malfunctions caused by installation of non-EPA or non-CARB certified emissions related parts, including such damage or malfunction to parts needed for proper diagnosis of a covered part.
- Damage or malfunctions caused by outside influence, such as damage due to an accident, or vehicle misuse or neglect, but only if the damage or malfunction is causally related to the accident or vehicle misuse.

More information about your extended emissions warranty coverage is available at **www.vwdiesellookup.com** and in the customer letter we sent to you previously.

Transferability

This extended emissions warranty is fully transferable to subsequent owners.

Warranty Notices

All normal warranty provisions remain in effect.

Customer Notices

If you choose to keep your vehicle but decline the emissions modification at this time, you should be aware that certain emissions-related replacement and repair parts may at some point no longer be available from Volkswagen. Accordingly, in the future, if your unmodified vehicle requires maintenance and repairs of the emissions system we may need to install parts associated with the emissions modification, or, in some cases, install all aspects of the emissions modification. You should not have any issues with the ability of your vehicle to pass the inspection and maintenance test. This may lead to changes to your vehicle's operation or performance resulting from those modifications as discussed in this booklet.

If the vehicle has been modified by the customer prior to receiving the emissions modification in a manner that may yield a non-compliant emissions system (for example, removal of a catalyst, installation of parts that impact emissions or emissions-related parts, or modifications to the ECU or computer software of the vehicle), Volkswagen may not be able to perform the emissions modification until the customer corrects such modification.

Thank you.

We know that the TDI emissions issue has understandably eroded the trust that we have worked so hard to build with you, our customers.

We encourage you to review the information in this booklet to address any questions or concerns you may have. If we can be of further assistance, please let us know.

Volkswagen of America



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