


## PROFI Dealer Vehicle Information Request Form

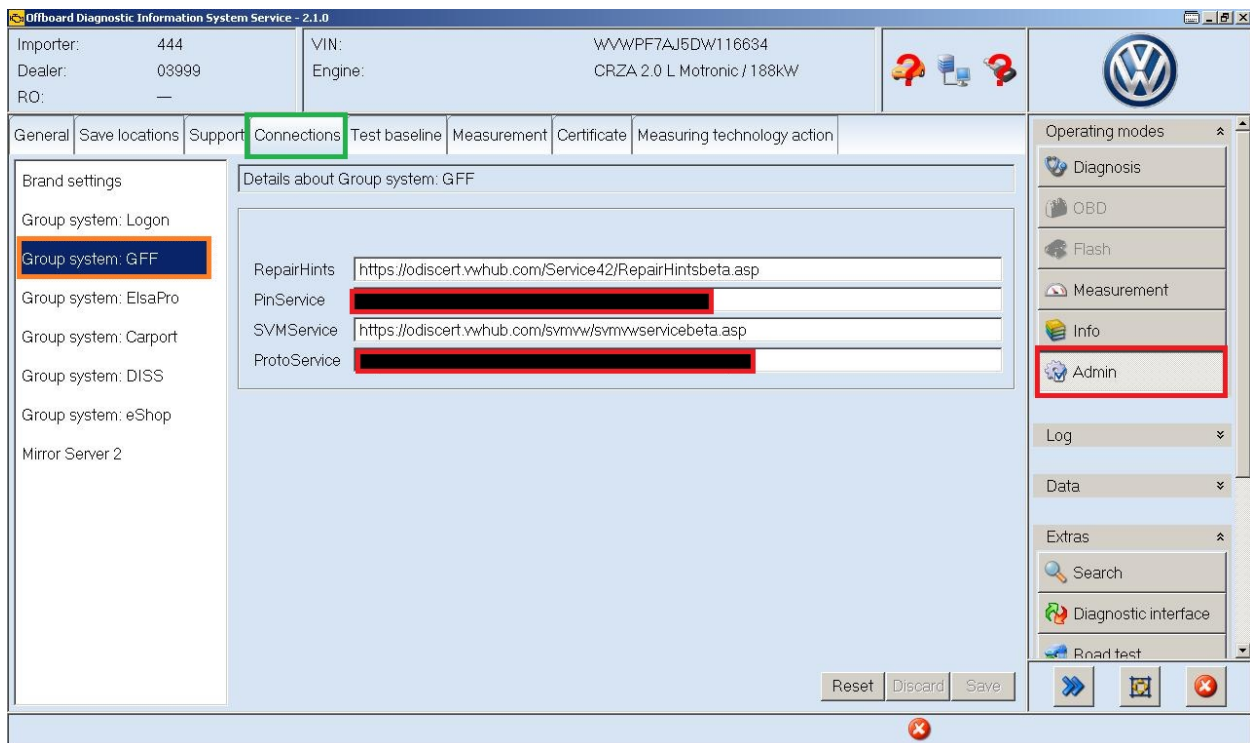
<b>MY(s) Affected:</b>	2009 - 20014	<b>Issue ID #</b>	
<b>Vehicle Model(s):</b>	All with TDI CBEA-CJAA engines	<b>Photos (if applicable):</b>	
<b>VIN Range (if applicable):</b>	All		
<b>Engine Code(s):</b>	CBEA-CJAA		
<b>Gearbox (Manual / Automatic):</b>	All		
<b>Issue Description / Symptom:</b>			
<p>For an upcoming campaign that will include all MY09-14 TDI (CBEA/CJAA) vehicles, we need to test the SVM3339 code in 200 vehicles of various model-years and engine/transmission combinations.</p>		<p>Please use the following claiming information:                  Claim type: 1SP                  Service Number : 2360                  Damage Code: 0039                  Damage Location: None                  Causal Indicator: Labor (23602599)                  Labor operation(s) : 23602599 -50tu (all 200vehicles ) &amp; 01500000 – 150tu (20 Vehicles)</p>	
<b>Workshop Problem Validation Procedure:</b>			
<p>- Flash TDI vehicles using SVM-code 3339.                  - Perform Readiness Code in the first three vehicles, if any problems are encountered with the GFF test-plan please save electronic copy of GFF log so it can be given to GFF-team for fixing.</p> <p><b>Note:</b> If customer has to pass IM inspection within 3-4 days of dealer visit, do not flash ECM as it will erase Readiness-Code and it may take about 100 miles of driving before resetting.</p>			
<b>Required Actions:</b>		<b>VWoA Contact Information:</b>	
<p>- Each dealer should flash 20x cars.                  - Perform Readiness Code in first 3x cars.                  - Instructions attached.</p>			
 <p>C:\Users\martir15\Documents\Projects\20- TDI</p>		<b>Requestor:</b>	Ramon Martinez
		<b>E-mail:</b>	<a href="mailto:ramon.martinez@vw.com">ramon.martinez@vw.com</a>
		<b>Phone Number:</b>	+1-248-754-5273
		<b>Alternative Contact:</b>	Michael Storms
		<b>E-mail:</b>	<a href="mailto:michael.storms@vw.com">michael.storms@vw.com</a>
		<b>Phone Number:</b>	+1-248-754-6042

# Tester Modifications

In order to flash the SVM 3339 with the new software, some minor modifications are needed in the ODIS Software. There are two URLs that need to be changed in order to flash using the “Test” software. Please note, if the tester is in the “Test” status, it will be unable to perform dealer-level (“Active”) flashes.

To change the URLs, please follow these steps:

With ODIS running, select “Admin” (Highlighted in Red) on the right sidebar, and press the “Connections” tab on top (Highlighted in Green). Lastly, choose “Group System: GFF” on the left.



Please note the URLs here under RepairHints and SVMService. These will need to be changed to reflect the picture above. Please do not change any other URLs.

RepairHints: <https://odiscert.vwhub.com/Service42/RepairHintsbeta.asp>

SVMService: <https://odiscert.vwhub.com/svmvw/svmvwservicebeta.asp>

Press “Save” after changing the URLs. The tool can now be used to flash the new software.

**Note:** To switch the URLs back to stock, simply navigate back to this page and press Reset. This will need to be done once the 3339 Test action is completed.

# Software Update

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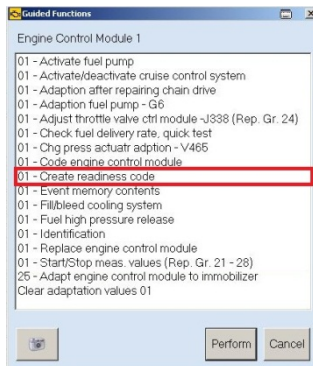
To Update the software in the ECM of the vehicle, please follow the standard SVM steps.

In ODIS, once the vehicle is identified and the test plan has been calculated, select “Special Functions,” then “Adapting Software.” Once asked for the Measures Code, enter “3339” (no quotes), and follow the on-screen instructions. If there are any issues with the Flash procedure, please get in touch with the Volkswagen TechLine.

After the flash process is completed, exit out of ODIS in the normal fashion. When the prompt arrives to perform the readiness test, select No, and continue exiting out of ODIS. Make sure to save the Diagnosis Log, so it can be sent as needed to your [VWGoA Representative](#).

## Readiness Testing

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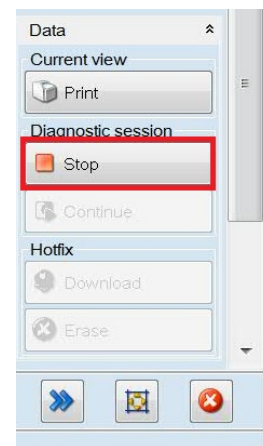
Next, the readiness test will need to be performed with GFF. To test the readiness, go into ODIS, start GFF and identify the vehicle. Once the vehicle is identified, start the readiness test by selecting the Guided Function for “Generating Readiness Code.” (Note: Test Name may be slightly different, dependent on Vehicle.)

Follow the GFF procedure for setting readiness. The test plan will explain the instructions automatically.

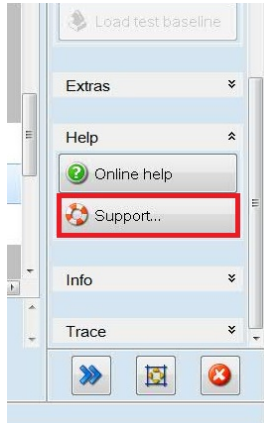
### If the Readiness Test is Successful:

If the test is successful, please save the diagnosis log (Right hand side, under “Log,” press “Save,” and select “Long Log.” After the log is saved, keep a note of where it is so it can be sent to your [VWGoA Representative](#).

**Exit ODIS by going under the “Data” Tab on the right and selecting “Stop.”**  
**Exiting ODIS Normally could cause the Readiness Code to be accidentally reset, requiring another Readiness drive cycle!**



## If the Readiness Test is **NOT** Successful:



If the test either ends abruptly (“End of Test”), does not complete in a reasonable amount of time (Reasonable defined as being less than 2 hours), or does not perform as intended, please send a Feedback by performing the following:

Expand the “Help” bar on the right side (You may need to scroll down) and select “Support.” (See picture)

Fill out a description of the Year and Vehicle that was being worked on, and a description of the problem. The more information provided the better.

If your support box has been set up, press “Send.” The Feedback will be sent automatically to the GFF team.

If the support box has not been set up, there will be a “Save” button instead. Once the feedback is filled out, press “Save.” ODIS will save two Zip files at the location specified, one with the Vehicle VIN in the name (i.e. 3VWLL7AJXCM123456\_XXXXXXX.zip), and another named similar to “ar\_XXXXXXXXX.zip” Both of these files are extremely valuable to our GFF Team. Please attach the two Zip files to an email and send them to [odissupport@vw.com](mailto:odissupport@vw.com)

If the GFF Test plan did not complete successfully, continue to have the vehicle driven normally for a couple days (i.e. over the weekend) **or use the attached guide, see next pages**. The readiness monitors will eventually set on their own. Once the readiness monitors are set (This can be checked using ODIS or a Generic ScanTool), make a note of the required mileage and send a note to your **VWGoA Representative**.

**Readiness-Code setting: 2.0L CBEA / CJAA ONLY for MY2009 – MY2014**

<b>Table 1: Description of Readiness categories</b>	
PiD01 readiness description <b>before</b> SAE-J1979 (mai 2007)	PiD01 readiness categories <b>since</b> SAE-J1979 (mai 2007 (new))
Misfire monitoring	⇒ Misfiring monitoring
Oxygen sensor heater monitoring	⇒ PM filter monitoring
Catalyst monitoring	⇒ NMHC catalyst monitoring
EGR system monitoring	⇒ EGR system monitoring
Heated catalyst monitoring	⇒ NOx/SCR after-treatment monitoring
Oxygen sensor monitoring	⇒ Exhaust gas sensor monitoring
Secondary air system monitoring	⇒ Boost pressure system monitoring

**Ambient temperature > 20 deg F (- 7 deg Cel)**

**Fuel level > 1/4**

**LSU adaptation status MWB 41/4 and 136/4 = 1**

**Airtemp. CACds MWB 7/3 > 0 deg Cel while coasting**

**Engine temp. MWB 7/3 > 70 deg Cel.**

<b>Table 2: Readiness-Bits and Driving Procedure</b>		
<b>MVB 89</b>	<b>Procedure</b>	<b>MVB 86</b>
<b>1 = not Ready</b>		<b>0 = not ready</b>
<b>0 = Readiness is set</b>		<b>1 = ready</b>

# Misfire monitoring

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<b>89/2 Bit 4</b> 1 XXXXXXXX 2 XXX <b>1</b> XXXX 3 XXXXXXXX 4 XXXXXXXX 76543210	<b>Misfire monitoring</b> is not ready	
	Start engine and idle for 20 seconds	-
<b>89/2 Bit 4</b> 1 XXXXXXXX 2 XXX <b>0</b> XXXX 3 XXXXXXXX 4 XXXXXXXX 76543210	<b>Misfire monitoring</b> is ready	

# PM filter monitoring

<p><b>89/4 Bit 6</b></p> <p>1 XXXXXXXX          2 XXXXXXXX          3 XXXXXXXX          4 X<b>1</b>XXXXXX</p> <p>76543210</p>	<p>New SAE: <b>PM filter monitoring</b> is not ready</p> <p>Old SAE: Oxygen sensor heater monitoring is not ready</p>		
	<p>1</p>	<p>Strong acceleration 4<sup>th</sup> gear from 1500 – 3500 rpm</p>	<p><b>86/2 Bit 7</b></p> <p>1 XXXXXXXX          2 <b>1</b>XXXXXX          3 XXXXXXXX          4 XXXXXXXX</p> <p>76543210</p>
	<p>2</p>	<p>Drive alternating          30 sec constantly 3000rpm, gear 3rd or 4<sup>th</sup>          and          140 sec dynamic, gas pedal max. 50%</p>	<p><b>86/2 Bit 6</b></p> <p>1 XXXXXXXX          2 <b>11</b>XXXXX          3 XXXXXXXX          4 XXXXXXXX</p> <p>76543210</p>
	<p>3</p>	<p><b>MY2010 only</b></p> <p>Start DPF regeneration<sup>1</sup> and drive:          5 min. at a constant speed 50-70 mph, (cruise control),          avoid coasting/acceleration</p>	<p><b>86/2 Bit 4</b></p> <p>1 XXXXXXXX          2 <b>11</b>X<b>1</b>XXXX          3 XXXXXXXX          4 XXXXXXXX</p> <p>76543210</p>
	<p>4</p>	<p><b>MY2010 only</b></p> <p>DPF regeneration<sup>1</sup> and drive:          When MVB 100/1 &gt; 575°C (1073°F), drive for 150 additional seconds then,          stop, and idle for 60 sec          Finally, continue with regeneration until the light turns off</p>	<p><b>86/2 Bit 5</b></p> <p>1 XXXXXXXX          2 <b>111</b><b>1</b>XXXX          3 XXXXXXXX          4 XXXXXXXX</p> <p>76543210</p>
<p><b>89/4 Bit 6</b></p> <p>1 XXXXXXXX          2 XXXXXXXX          3 XXXXXXXX          4 X<b>0</b>XXXXXX</p> <p>76543210</p>	<p>New SAE: <b>PM filter monitoring</b> is ready</p> <p>Old SAE: Oxygen sensor heater monitoring is ready</p>		

# NMHC catalyst monitoring

<p>89/4 Bit 0</p> <p>1 xxxxxxxx</p> <p>2 xxxxxxxx</p> <p>3 xxxxxxxx</p> <p>4 xxxxxxxx<b>1</b></p> <p>76543210</p>	<p>New SAE: <b>NMHC catalyst monitoring</b> is not ready</p> <p>Old SAE: Catalyst monitoring is not ready</p>		
	1	If DPF regeneration not yet started, start now, drive constantly until finished.	-
<p>89/4 Bit 0</p> <p>1 xxxxxxxx</p> <p>2 xxxxxxxx</p> <p>3 xxxxxxxx</p> <p>4 xxxxxxxx<b>0</b></p> <p>76543210</p>	<p>New SAE: <b>NMHC catalyst monitoring</b> is ready</p> <p>Old SAE: Catalyst monitoring is ready</p>		

**Continue quickly with next step before exhaust system gets cold !**



# EGR system monitoring

<p>89/4 Bit 7</p> <p>1 XXXXXXXX 2 XXXXXXXX 3 XXXXXXXX 4 1XXXXXXX</p> <p>76543210</p>	<p><b>EGR system monitoring</b> is not ready</p>		
	<p>1</p>	<p>MWB 100/2 &gt; 300 deg Cel</p> <p>65+ mph (if possible with cruise control), 5<sup>th</sup> or 6<sup>th</sup></p> <p><u>Do not drive in D use the manual gear selection).</u></p>	<p>86/1 Bit 7</p> <p>1 1XXXXXXX 2 XXXXXXXX 3 XXXXXXXX 4 XXXXXXXX</p> <p>76543210</p>
	<p>2</p>	<p>Drive at constant speed for 20 sec. in 3<sup>rd</sup> gear at 1800 rpm.</p>	<p>86/1 Bit 3</p> <p>1 1xxx1xxx 2 XXXXXXXX 3 XXXXXXXX 4 XXXXXXXX</p> <p>76543210</p>
	<p>3</p>	<p>Coast for 8 sec.</p>	<p>86/1 Bit 6</p> <p>1 11xx1xxx 2 XXXXXXXX 3 XXXXXXXX 4 XXXXXXXX</p> <p>76543210</p>
<p>89/4 Bit 7</p> <p>1 XXXXXXXX 2 XXXXXXXX 3 XXXXXXXX 4 0XXXXXXX</p> <p>76543210</p>	<p><b>EGR system monitoring</b> is ready</p>		

# NOx/SCR after-treatment monitoring

<p>89/4 Bit 1</p> <p>1 xxxxxxxx</p> <p>2 xxxxxxxx</p> <p>3 xxxxxxxx</p> <p>4 xxxxxxx1x</p> <p>76543210</p>	<p>New SAE: <b>NOx/SCR after-treatment monitoring</b> is not ready</p> <p>Old SAE: Heated catalyst monitoring is not ready</p>		
	1	Drive 30-40 min. at constant speed, (50-70 mph, 80-120 km/h), in 5-6 <sup>th</sup> gear.	-
<p>89/4 Bit 1</p> <p>1 xxxxxxxx</p> <p>2 xxxxxxxx</p> <p>3 xxxxxxxx</p> <p>4 xxxxxxx0x</p> <p>76543210</p>	<p>New SAE: <b>NOx/SCR after-treatment monitoring</b> is ready</p> <p>Old SAE: Heated catalyst monitoring is ready</p>		

**LSU needs to be active : MWB 43/3 and 138/3 = 1**

# Exhaust gas sensor monitoring

<p>89/4 Bit 5</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 XXXXXXXX</p> <p>4 xx1XXXXX</p> <p>76543210</p>	<p>New SAE: <b>Exhaust gas sensor monitoring</b> is not ready</p> <p>Old SAE: Oxygen sensor monitoring is not ready</p>	
	<p>1 Test run in order to warm up exhaust system (2 min. no coasting)</p>	<p>86/3 Bit 0</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 XXXXXXX1</p> <p>4 XXXXXXXX</p> <p>76543210</p> <p>86/3 Bit 1</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 XXXXX11</p> <p>4 XXXXXXXX</p> <p>76543210</p> <p>86/4 Bit 0</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 XXXXXX11</p> <p>4 XXXXXXX1</p> <p>76543210</p> <p>86/4 Bit 1</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 XXXXXX11</p> <p>4 XXXXX11</p> <p>76543210</p>
	<p>2 Leave vehicle idling for 30 sec.</p>	<p>86/3 Bit 4</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 xxx1xx11</p> <p>4 xxxxxx11</p> <p>76543210</p> <p>86/4 Bit 4</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 xxx1xx11</p> <p>4 xxx1xx11</p> <p>76543210</p>
	<p>3 Moderate acceleration up to 2500 rpm, then quickly release gas pedal.</p>	<p>86/3 Bit 2</p> <p>1 XXXXXXXX</p> <p>2 XXXXXXXX</p> <p>3 xxx1x111</p> <p>4 xxx1xx11</p> <p>76543210</p>

			<p>86/4 Bit 2</p> <p>1 XXXXXXXXX 2 XXXXXXXXX 3 XXX1X111 4 XXX1X111</p> <p>76543210</p>
	4	Coasting phase at 3000 rpm in 4 <sup>th</sup> gear (min. 10 sec.)	<p>86/3 Bit 3</p> <p>1 XXXXXXXXX 2 XXXXXXXXX 3 XXX11111 4 XXX1X111</p> <p>76543210</p> <p>86/4 Bit 3</p> <p>1 XXXXXXXXX 2 XXXXXXXXX 3 XXX11111 4 XXX11111</p> <p>76543210</p>
	5	Drive 30-45 min, at constant speed, (50-70 mph, 80-120 km/h), in 5-6 <sup>th</sup> gear.	<p>86/3 Bit 5</p> <p>1 XXXXXXXXX 2 XXXXXXXXX 3 XX111111 4 XXX11111</p> <p>76543210</p> <p>86/4 Bit 5</p> <p>1 XXXXXXXXX 2 XXXXXXXXX 3 XX111111 4 XX111111</p> <p>76543210</p>
<p>89/4 Bit 5</p> <p>1 XXXXXXXXX 2 XXXXXXXXX 3 XXXXXXXXX 4 XX0XXXXXX</p> <p>76543210</p>	<p>New SAE: <b>Exhaust gas sensor monitoring</b> is ready</p> <p>Old SAE: Oxygen sensor monitoring is ready</p>		

# Boost pressure system monitoring

<p>89/4 Bit 3</p> <p>1 xxxxxxxx</p> <p>2 xxxxxxxx</p> <p>3 xxxxxxxx</p> <p>4 <u>xxxx1xxx</u></p> <p>76543210</p>	<p>New SAE: <b>Boost pressure system monitoring</b> is not ready</p> <p>Old SAE: <b>Secondary air system monitoring</b> is not ready</p>	
<p>1</p>	<p>Drive 30-45 min, at constant speed, (50-70 mph, 80-120 km/h), in 5-6<sup>th</sup> gear.</p>	<p>-</p>
<p>89/4 Bit 3</p> <p>1 xxxxxxxx</p> <p>2 xxxxxxxx</p> <p>3 xxxxxxxx</p> <p>4 <u>xxxx0xxx</u></p> <p>76543210</p>	<p>New SAE: <b>Boost pressure system monitoring</b> is ready</p> <p>Old SAE: <b>Secondary air system monitoring</b> is ready</p>	
<p><sup>1</sup> = carry out DPF regeneration. See part 3: Procedure for DPF Regeneration</p>		