Technical Bulletin

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Passat	2013	CKRA	All	All	All
Passat	2014	CKRA	All	All	All

Condition

26 14 01 March 06, 2014 **2036531**

MIL ON, DTC P204F Stored, Ad Blue Warning Light XXX Miles to No Restart Displayed

DTC	Description
P204F	**Reductant System Performance Bank 1**

Technical Background

Selective Catalytic Reduction (SCR) system diagnostic too sensitive.

Production Solution

Implemented in production.

Service

⚠️**Note:**

DO NOT diagnose or replace any parts **before** performing the update function as explained in this bulletin.

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Update-Programming Procedure:

Tip:

To Update-Programming using SVM, **review and follow** instructions in **Technical Bulletin Instance 2014603** "Software Version Management".

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.

Note:

Prior to launching the VAS-PC and ODIS service diagnostic applications and starting control module update process, confirm tester screen saver and power settings in accordance with Special Tools and Equipment - Service Information Circular # VVT-12-02. Failure to do so may result in the tester entering power save mode during data transfer, and subsequent control module failure.

When using a VAS 6150/5051B or VAS 5052A tester in conjunction with a VAS 5054A wireless transmitter head for a flash procedure, please connect a USB cable between the transmitter head and the tester. Failure to do so may lead to errors during the flash procedure.

VAS tools must only be used with their power adapters plugged in. Under no circumstances should they be used on battery power alone during the programming procedure.

Critical Warning: : The Midtronics Battery Charger **must** be connected to the vehicle battery for the duration of the programming, to ensure the battery state of charge remains above 12.5 volts during the update process. If the battery drops below 12.5 volts, the programming could fail which may result in damage to the control module. Control modules damaged by inadequate voltage will not be covered under the warranty policy. The technician should verify the vehicle voltage prior to starting the update process, and should monitor the voltage for the duration of the update.

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- Update the Engine Control Module using the SVM Unit code as listed in the table below:

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Passat	2.0L TDI (CKRA) With DSG (02E)	03L906012BN	5558 4804 4608 4429 3379 2995 2591	03L906012BN	7638	35F3
Passat	2.0L TDI (CKRA) With Manual (02Q)	03L906012BM	5557 4824 4607 4428 3378 2996 2592	03L906012BM	7637	35F3
Passat	2.0L TDI (CKRA) With DSG (02E)	03L906012DE	6073 6050 4480	03L906012DE	6459	35F3
Passat	2.0L TDI (CKRA) With Manual (02Q)	03L906012DD	6072 6049 4479	03L906012DD	6458	35F3

The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.

⚠️ **WARNING:**

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a risk that personal injury may result if contact is made with spinning fan blades.

Keep hands and all objects away from Radiator Fan(s) during Update Process!

ℹ️**Tip:**

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.

Ensure attached ECM/TCM Tuning Form has been completed and signed by customer as required in SVM Technical Bulletin Instance 2014603.

After updating the ECM software, the Ad Blue warning lamp may still be illuminated. If the Ad Blue warning lamp is still illuminated with the message "No engine start possible in XXX mi.", a Selective Catalytic Reduction (SCR) efficiency test must be run in order to clear the message.

The following steps will allow the SCR Efficiency test to run and clear the message in the cluster display.

ℹ️**Tip**

If the test is cancelled because of low ambient temperatures or the time-out of the system, restart the process again as the failed attempt should have warmed up the system enough to be successful on a subsequent attempt.

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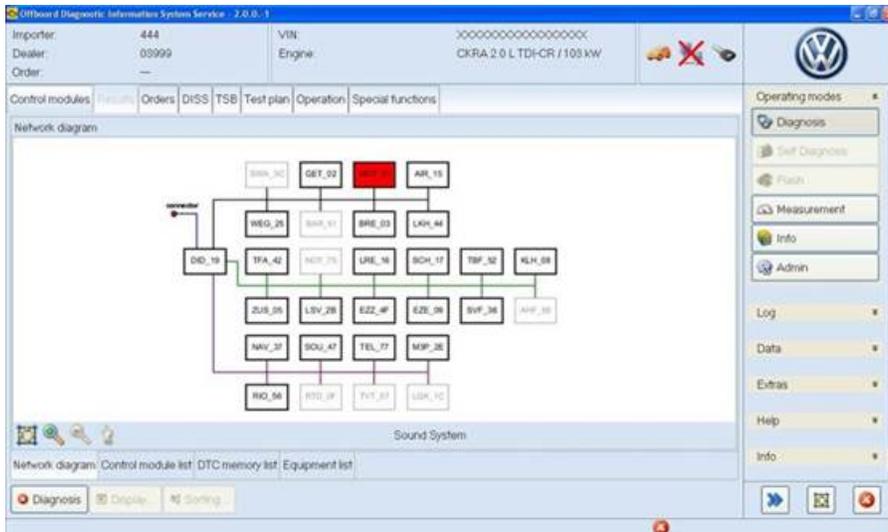
Figure 1

- Read out the DTC memories (figure 1).

- Select the MOT_01 and double click.
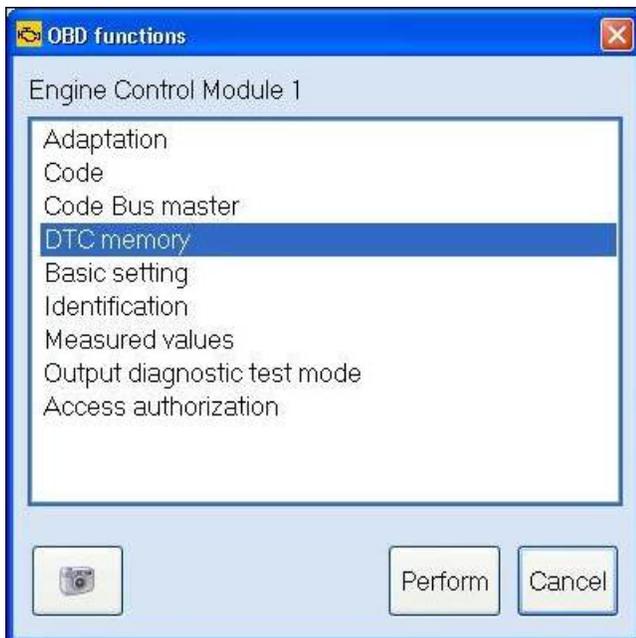
Figure 2

- Chose the DTC Memory and press "Perform" (figure 2).

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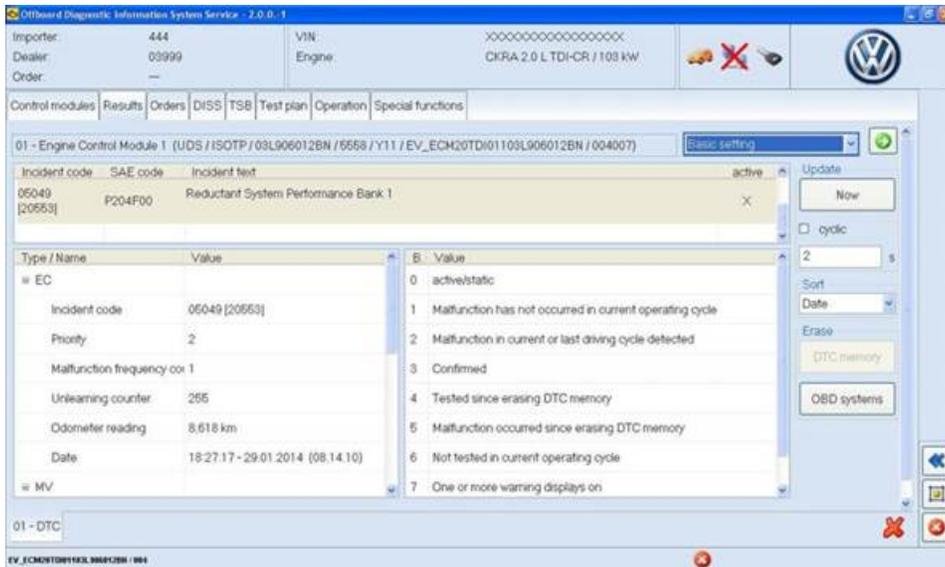
Figure 3

- A list of the DTC's is displayed (figure 3).
- Delete the P204F fault code by selecting the erase function for "OBD systems" (highlighted).
- Cycle the ignition OFF and ON again after completing the DTC memory erase.

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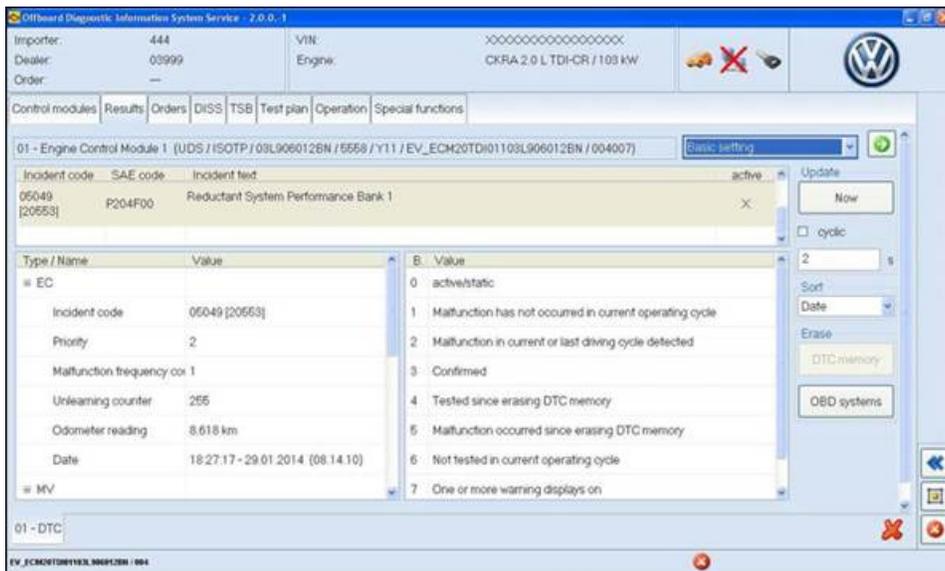
Figure 4

- Select Basic Settings from the dropdown box in the upper right and click the green arrow (figure 4).

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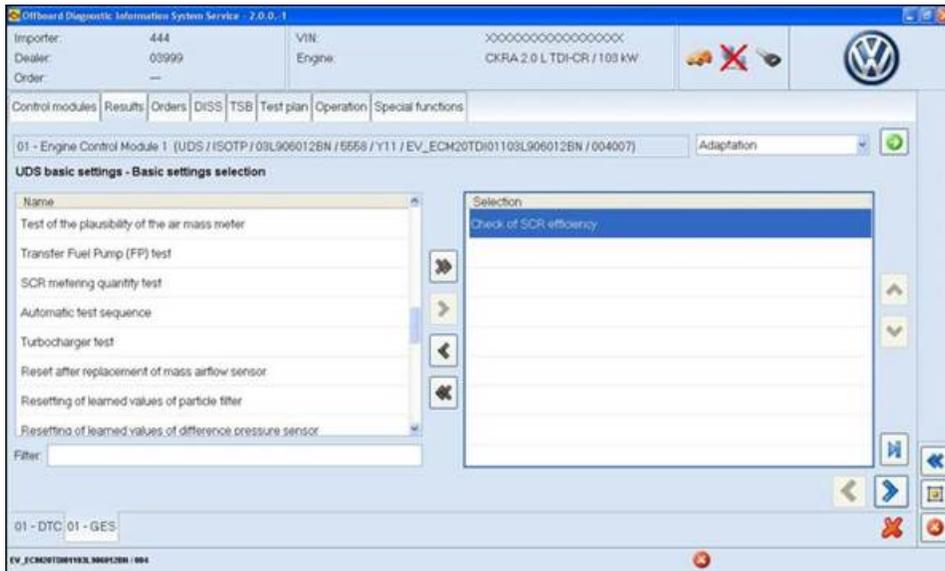
Figure 5

- Select "Check of SCR efficiency" from the list and click the blue arrow (figure 5).
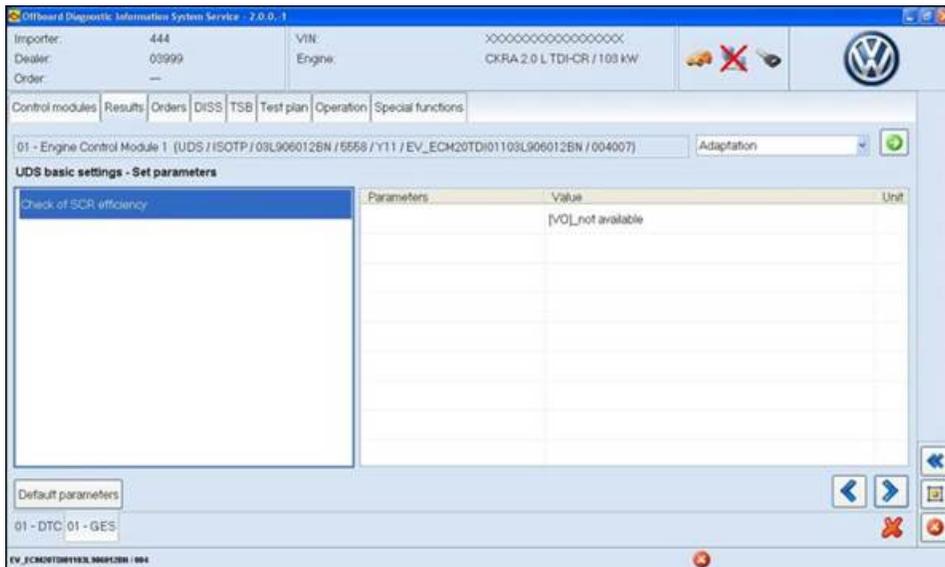
Figure 6

- A list of applicable parameters are displayed. In this case, there are none. Click the blue arrow (figure 6).

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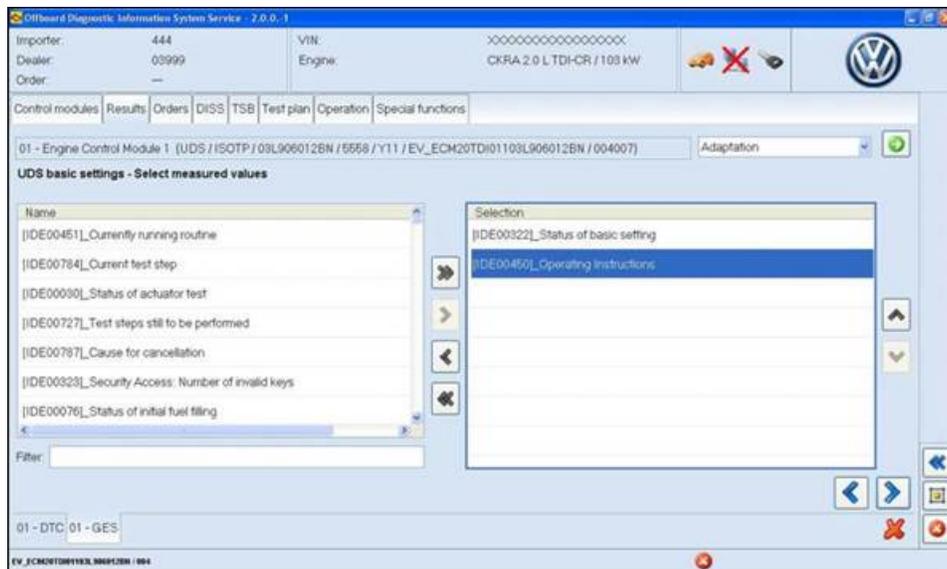
Figure 7

- Select the first 2 measured values to be displayed during the test: "status of basic setting" and "Operating Instructions" (figure 7).

- Click the blue arrow.

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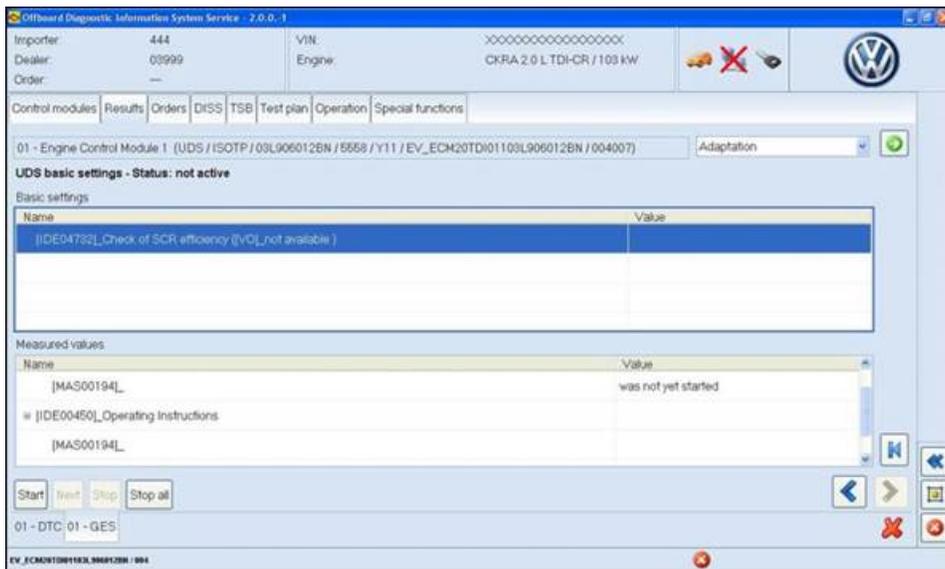
Figure 8

- Ensure at this step that the engine is running and already at operating temperature (figure 8).
- **No pedals are pressed, transmission is in "P", emergency brake is engaged, all doors and hood are closed**
- No pedals are touched
- Press "Stop all"
- Scroll down the screen to see the instructions and the status in the value field
- Select the test "Check of SCR efficiency"
- Press "Start"

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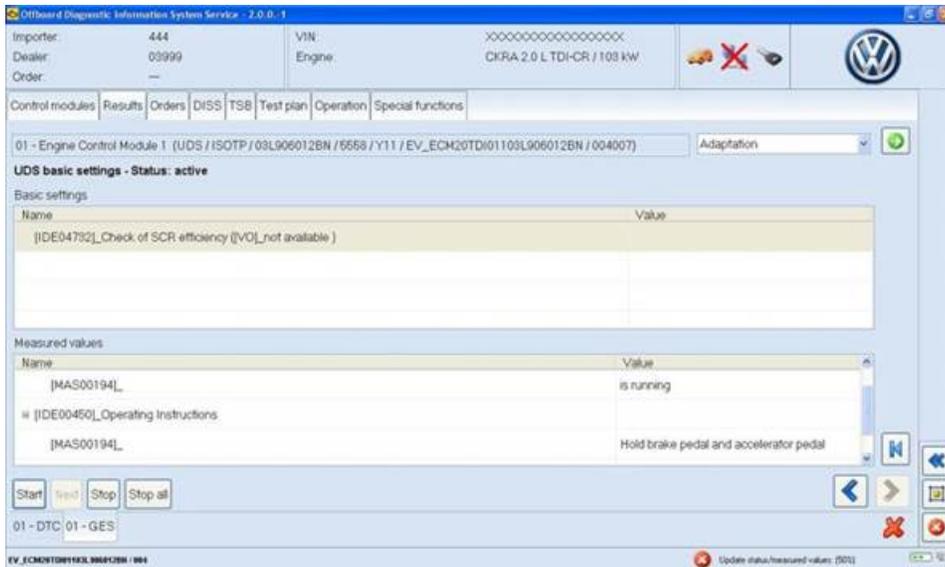
Figure 9

- The instructions should display "Hold brake and accelerator pedal" (figure 9).

Depress the brake first, then the accelerator pedal.

Keep the pedals depressed until the status changes from "is running" to complete. The duration of the test depends on how quickly the exhaust gas can heat up.

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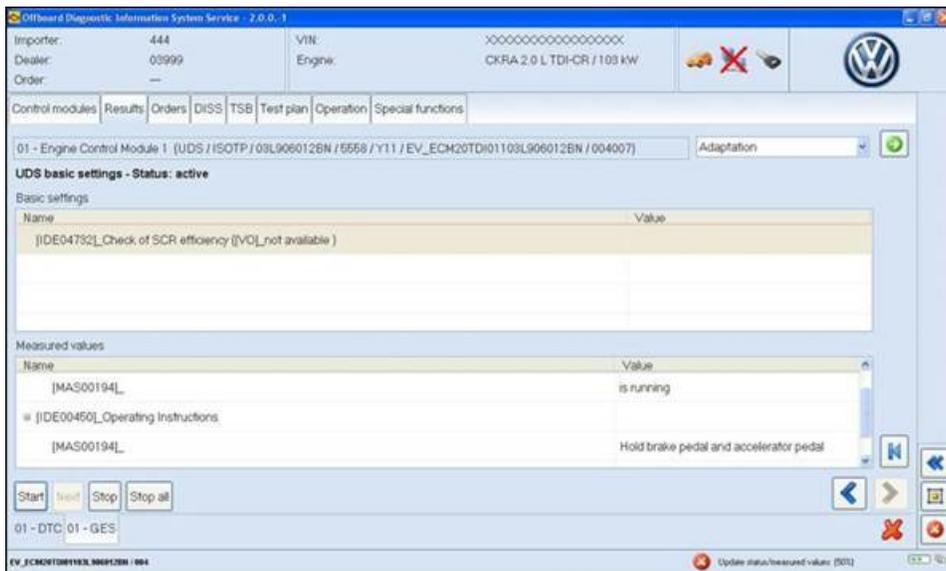
Figure 10

- If an error occurs, press the red "X" to close the test procedure. Cycle the ignition and try the test procedure again (figure 10).

- If, after the test is complete and the AdBlue warning light is extinguished but the MIL lamp remains, delete the DTC memory again.

ⓘTip

If the test is cancelled because of low ambient temperatures or the time-out of the system, restart the process again as the failed attempt should have warmed up the system enough to be successful on a subsequent attempt.

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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual [1]					
Model(s)	**Year(s)**	**Eng. Code(s)**	**Trans. Code(s)**	**VIN Range From**	**VIN Range To**
Passat	**2013-2014**	**2.0L TDI (CKRA)**	**All**	**All**	**All**

SAGA Coding			
Claim Type:		**Use applicable Claim Type [1]**	
Service Number:	**Damage Code**	**HST**	**Damage Location (Depends on Service No.)**
2360	**0039**	**--**	**Use applicable when indicated in ElsaWeb (L/R)**
Parts Manufacturer	**Passat**		**TX6 [2]**
Labor Operation [3] : Update Programming	**23602599 = 15 TU**		
Labor Operation [3] : SCR Efficiency Test (if necessary)	**23602699 = 40 TU**		
Causal Part: Select Labor Operation	**23602599**		
Diagnostic Time [4]			
GFF Time expenditure	**01500000 = 30 TU max.**		**YES**
Road Test	**01210002 = 10 TU with repairs**		**YES**
Technical Diagnosis	**01320000 = 00 TU max.**		**NO**
Claim Comment: Input "As per Technical Bulletin 2036531" in comment section of Warranty Claim.			
[1] **Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only**			
[2] **Code per warranty vendor code policy.**			
[3] **Labor Time Units (TUs) are subject to change with ELSA updates.**			

4) Documentation required per Warranty Policies and Procedures Manual.

Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS 5051B, VAS 5052A, VAS 6150/X & VAS 6160/X with: ODIS Service 2.0.0 or higher with current online updates

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.