



# Technical Bulletin

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Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Touareg Hybrid	2011-2015	3.0L (CGFA)	All	All	All

## Condition

01 15 10 May 4, 2015 2040202

### MIL ON DTC P0492 and or DTC P0491 Stored in ECM Fault Memory

Customer states the MIL-On and the vehicle has one or both faults present with more than 15,000 miles.

DTC	Description
DTC P0491	Secondary Air System Insufficient Flow, Bank 1
DTC P0492	Secondary Air System Insufficient Flow, Bank 2

## Technical Background

Under certain driving conditions, the secondary air ports in the cylinder head can accumulate carbon over time causing restrictions.

## Production Solution

Not applicable.



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## Service

### Perform ODIS Testing:

1. Delete all DTCs. Bring the engine to operating temperature.
2. Go to Control Modules >> 01 Engine Control Module >> Control module OBD>> Basic Settings >> Checking Secondary Air System.
3. Select MVB: **MASS\_SA\_REL[0] and MASS\_SA\_REL[1]**.
4. Perform test (Press brake and gas pedal at the same time, start test on ODIS tester).
5. While Basic Setting test is running, check if the secondary air pump runs normally (no unusual noises). In addition, check for a leak in the secondary air hose routing between the pump and combi valves.
6. Immediately after the test is complete, read **MASS\_SA\_REL[0] and MASS\_SA\_REL[1]**. If the values are between 0.1 and 0.7, and there were no issues with the pump and hoses, the system needs to be cleaned.
7. Create a VTA ticket and contact the Volkswagen Technician Helpline for further instructions.



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## Warranty

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>					
<b>Model(s)</b>	<b>Year(s)</b>	<b>Eng. Code(s)</b>	<b>Trans. Code(s)</b>	<b>VIN Range From</b>	<b>VIN Range To</b>
Touareg	2011-2015	3.0L (CGFA)	All	All	All
<b>SAGA Coding</b>					
<b>Claim Type:</b>	<b>Use applicable Claim Type <sup>1)</sup></b>				
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>		<b>Damage Location (Depends on Service No.)</b>	
2644	0010	--		Use applicable when indicated in Elsa (L/R)	
<b>Parts Manufacturer</b>	<b>Touareg</b>		<b>WVO <sup>2)</sup></b>		
<b>Labor Operation <sup>3)</sup> : Remove and Install Coolant Pipe</b>			19 61 20 10 = 160 TU		
<b>Labor Operation <sup>3)</sup> : Remove and Install Coolant Flange</b>			119 60 19 10 = 160 TU		
<b>Labor Operation <sup>3)</sup> : Remove and Install Freeze Plugs (2)</b>			15 70 19 99 = 20 TU		
<b>Labor Operation <sup>3)</sup> : Lower and Install Catalyst Converter</b>			26 70 19 99 = 40 TU		
<b>Labor Operation <sup>3)</sup> : Pressure Washing</b>			26 44 30 99 = 75 TU		
<b>Causal Part: Select Labor Operation</b>			26 44 30 99		
<b>Diagnostic Time <sup>4)</sup></b>					
<b>GFF Time expenditure</b>	01500000 = 40 TU max.		YES		
<b>Road Test</b>	01210002 = 00 TU 01210004 = 00 TU		YES		



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Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2040202" in comment section of Warranty Claim.		
<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only <sup>2)</sup> Code per warranty vendor code policy. <sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates. <sup>4)</sup> Documentation required per Warranty Policies and Procedures Manual.		

## Required Parts and Tools

Part Number	Part Description	Quantity
06E121119E	O-ring cross pipe	2
N 0119078	Freeze Plug	2
G 012A8G1G	Coolant	0.5
06E121119C	O-ring cross pipe to thermostat	1
06E 121 139H	Gasket	1

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with ODIS Service with: current online updates
Tool Set	VAS6825
Adapter Set	VAS6825/1
Pressure Washer	Not Applicable



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## 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.