



# Technical Bulletin

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

## Condition

01 15 11 May 5, 2015 2040202 Supersedes technical Bulletin V011510 dated May 4, 2015 to include road test time units in warranty table.

### 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

|   |   |                     |                       |   |                     |
|---|---|---------------------|-----------------------|---|---------------------|
| To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup> |   |                     |                       |   |                     |
| <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<br>(CGFA)      | All                   | All   | All                 |
| <b>SAGA Coding</b>  |   |                     |                       |   |                     |
| <b>Claim Type:</b>  | Use applicable Claim Type <sup>1)</sup> |                     |                       |   |                     |
| <b>Service Number:</b>  | <b>Damage Code</b>                      | <b>HST</b>          |                       | <b>Damage Location<br/>(Depends on Service No.)</b> |                     |
| 2644  | 0010                                    | --                  |                       | Use applicable when indicated in Elsa (L/R)         |                     |
| <b>Parts Manufacturer</b>   |   | <b>Touareg</b>      |                       | <b>WWO <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 = 10 TU<br>01210004 = 10 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.  |                       |    |
| <p><sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only</p> <p><sup>2)</sup> Code per warranty vendor code policy.</p> <p><sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p><sup>4)</sup> Documentation required per Warranty Policies and Procedures Manual.</p> |                       |    |

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## 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)<br>or<br>GRX3000VAS                                |
| VAS Diagnostic Tool               | VAS 6150/X & VAS 6160/X with<br>ODIS Service with: current online updates |
| Tool Set                          | VAS6825   |
| Adapter Set                       | VAS6825/1   |
| Pressure Washer                   | Not Applicable  |

## 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.