



Tech Tips

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2005>Jetta, 2006> Golf, Beetle, 2009> Jetta Sportwagen with 2.5L Engine – Secondary Air Injection System

December 14, 2012: UPDATE to DTC information.

For concerns with the secondary air system, on the listed models, make sure the combi-valve has been tested thoroughly. The combi-valve can be tested using the output diagnosis in address 01 – Engine Electronics (ECM)

Fault code P0491 000 Secondary Air Injection System (Bank 1) insufficient flow may be stored in the ECM.

Check that the combi-valve moves through the full range of motion on visual inspection with a mirror and light source (figure 1) while running the output test with key-ON engine-OFF (figure 2). Replace the valve if it does not complete the full range of motion during the test.



Figure 1



Figure 2