



Tech Tips

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2011-2013 Golf, Jetta, Jetta Sportwagen, 2012-2013 Beetle, Passat Equipped with 2.5L CBTA or CBUA Engine – Check Engine Light On, Fault P164B Stored

December 7, 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