

### Check actuator of intake port shutoff (IPS) - error messages are set incorrectly

#### Introduction:

An electrical error on the actuator of the intake port shutoff (IPS) is often wrongly interpreted by the engine control unit. Other error messages may interfere.

#### Caution:

The actuator of the IPS may fail due to overload from crusted swirl flaps or mechanical defects. Leaking oil on the electrical connection leads to electrical errors on the actuator. Leakages in the intake area of the turbocharger or a leaking oil cooler leads to this oil contamination on the connector.

#### Note:

Please check if the actuator of the IPS is moving freely and working without electrical errors. An overload on the IPS leads to drops in the power supply. IPS and boost pressure control of the turbocharger use the same power supply. Therefore, an electrical error on the IPS may lead to a wrong interpretation of errors by the ECU.



Oil accumulation in the intake duct of the turbocharger always originates from the crankcase ventilation. Check if the crankcase ventilation is working correctly and check the inner crankcase pressure. Use our BTS tool **MESS01** to do so.

**Vehicle Manufacturer:** Mercedes, Jeep Grand Cherokee, Chrysler 300

**Vehicle:** 280 CDI, 300 CDI, 320 CDI, 350 CDI

**Engine code:** OM 642.xxx, EXL

**Validity:** This service information is valid for renewing the turbocharger with

**BTS reference:** T915234, T915235, T915668, T915699, T915702, T916752, T918291

**BTS-Service-Set-reference:** T981384, T981436, T981613, T981614

Please note: OE-references are only for means of comparison. The content of this Service Information is non-binding and is only for informational purposes. The manufacturer specifications have to be adhered to.