

### Electrical actuator cannot be taught-in or already generates an error with ignition ON

#### Introduction:

As for all turbochargers with electric actuators, the adaptive teach-in values in the engine control unit must be reseted. The teach-in procedure prescribed by the vehicle manufacturer must then be executed.

#### Note:

During the teach-in process, ensure that the voltage supply to the engine control unit is faultless. A weakening battery or corroded ground contacts on the engine or body can be the cause of deviations in the voltage supply. The electrical contacts of the harness-side plug must also be inspected.

#### Instructions:

Check voltage supply for actuator:

Plug connector disconnected from actuator. Measurement on harness side.

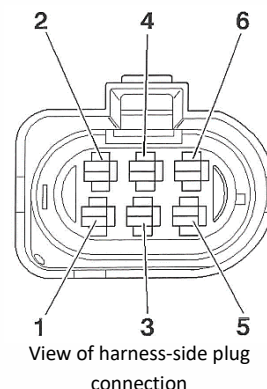
PIN 1 towards PIN 3, sowie PIN 1 towards GND = 5,0 Volt  $\pm$  0,2

Check reference voltage, PIN 5 towards PIN 3 = 5,0 Volt  $\pm$  0,2

Check signal voltage at actuator: (with suitable adapter cable).

With ignition ON and engine running at idle speed.

Signal voltage between PIN 5 and GND = 3,2 Volt  $\pm$  0,2



**Vehicle Manufacturer:** AUDI, VW, SKODA, SEAT

**Vehicle:** A1, A3, Golf VII, Jetta IV, Passat, Scirocco, Tiguan, Kodiaq, Rapid, Superb II, Yeti,  
Leon, Leon SC, Leon ST, Toledo IV, 1.4 TSFI / 1.4 TSI

**Engine code:** CMBA, CPVA, CXSA, CXSB, CZCA

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

**BTS reference:** T916665 **BTS-Service-Set-Nr:** T981462

**OE-no.:** 04E145704F, 04E145704R, 04E145713N, 04E145721R

**Manufacturer part no.:** 49180-01230, 49180-01240, 49180-01270, 49180-01275

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.