

P1109**Input variables, charge measurement - above limit****Diagnosis conditions**

- Engine running

Possible fault cause

- ◆ Heavily soiled throttle
- ◆ Throttle adjusting unit faulty
- ◆ Mass air flow sensor faulty

Affected terminals**Diagnosis/troubleshooting**** Note!**

In case of a defect in the MAF sensor, this fault must also be stored in the fault memory.

Work instruction		Display OK	If not OK
1	Check throttle adjusting unit for dirt (visual inspection)	⇒ Step 2	Clean throttle adjusting unit, replace if necessary → End
2	Check voltage signal of MAF sensor <ul style="list-style-type: none"> ◆ Ignition on ◆ Measure voltage between special tool 9637 pin III/23 and ground. ◆ In the Porsche System Tester 2, select the menu point "Actual values/mass air flow sensor" 	0.9 to 1.1 V <i>1.02</i>	Replace mass air flow sensor → End
	<ul style="list-style-type: none"> ◆ Start the engine 	1.2 to 1.5 V at idle speed <i>1.4V</i>	Replace mass air flow sensor → End