

Mass air flow (MAF) sensor - LH 3.1

Checking earth connection - [Fig. 11](#)

Technical Data	
Terminals	Resistance
2 & earth	Zero

- Ensure ignition switched OFF.
- Disconnect MAF sensor multi-plug.
- Check resistance between harness multi-plug terminal and earth.

Checking supply voltage - [Fig. 11](#)

Technical Data		
Terminals	Condition	Voltage
3 & earth	Ignition ON	Battery voltage

- Ensure ignition switched OFF.
- Disconnect MAF sensor multi-plug.
- Switch ignition ON.
- Check voltage between harness multi-plug terminal and earth.

Checking voltage - [Fig. 12](#)

Technical Data		
Terminals	Condition	Voltage
4 & earth	Ignition ON	2,65 V
4 & earth	Engine idling	3,5 V

- Ensure ignition switched OFF.
- Do not disconnect multi-plug. Access MAF sensor multi-plug terminals.
- Switch ignition ON.
- Check voltage between multi-plug terminal and earth.
- Start engine.
- Allow to idle.
- Check voltage between multi-plug terminal and earth.

Throttle position (TP) sensor - LH 3.1

Checking - [Fig. 6](#)

Technical Data		
Terminals	Condition	Voltage
1 & 3	Throttle closed	0,5 V
1 & 3	Throttle fully open	4,5 V max.

- Ensure ignition switched OFF.
- Do not disconnect multi-plug. Access TP sensor multi-plug terminals.
- Switch ignition ON.
- Check voltage between multi-plug terminals.
- Operate throttle valve while checking voltage between terminals 1 and 3.

Checking supply voltage - [Fig. 6](#)

Technical Data		
Terminals	Condition	Voltage
1 & 2	Ignition ON	5,0 V

- Ensure ignition switched OFF.
- Disconnect TP sensor multi-plug.
- Switch ignition ON.
- Check voltage between harness multi-plug terminals.

Idle air control (IAC) valve

Checking resistance - [Fig. 13](#)

Technical Data	
Terminals	Resistance
1 & 2	8,0 Ω

- Ensure ignition switched OFF.
- Disconnect IAC valve multi-plug.
- Check resistance between IAC valve terminals.

Technical Data		
Terminals	Condition	Voltage
2 & earth	Ignition ON	Battery voltage

- Ensure ignition switched OFF.
- Disconnect IAC valve multi-plug.
- Switch ignition ON.
- Check voltage between harness multi-plug terminal and earth.

