Fault code 1772

Pressure sensor signal line

Diagnostic conditions

- Ignition on
- Internal function test on level adjustment control unit

Possible fault causes

- Leak in the compressed air lines
- Short circuit to B+ in the wiring of pin 67, 84 or 92 of the level adjustment control unit
- Short circuit to ground in the wiring of pin 67, 84 or 92 of the level adjustment control unit
- Open circuit in the wiring of pin 67, 84 or 92 of the level adjustment control unit
- Level adjustment control unit receives implausible signal from pressure sensor
- Pressure sensor faulty
- Level adjustment control unit faulty

Affected pins

Level adjustment control unit, connector A:

- Pin 34
- Pin 67 'Pressure sensor power supply'

Level adjustment control unit, connector B:

- Pin 84 'P signal'
- Pin 92 'Pressure sensor ground'

Solenoid block, connector A:

- Pin 8
- Pin 9 'P signal'

Diagnosis/troubleshooting

Work instruction		Display OK	If not OK
1	Check compressed air lines for leaks	⇒ Step 2	Eliminate leaks and read out fault memory again

Work instruction			Display OK	If not OK
2	Check wiring between solenoid block and level adjustment control unit for short circuit to B+:	♦ Switch off ignition ♦ Pull connectors A and B off the level adjustment control unit ♦ Pull connector off the solenoid valve ♦ Switch on ignition ♦ Measure voltage between level adjustment control unit connector A 'pins 34, 67' and connector B 'pins 84, 92' and ground	< 0.3 V ⇒ Step 3	Repair/replace wire harness → End
3	Check wiring between solenoid block and level adjustment control unit for short circuit to ground:	♦ Measure resistance between level adjustment control unit connector A 'pins 34, 67', connector B 'pins 84, 92' and ground	∞ Ω ⇒ Step 4	Repair/replace wire harness → End
4	Check wiring between solenoid block and level adjustment control unit for open circuit:	♦ Measure resistance between level adjustment control unit connector A 'pin 34' and solenoid block connector A 'pin 8'. ♦ Measure resistance between level adjustment control unit connector A 'pin 67' and solenoid block connector A 'pin 10'. ♦ Measure resistance between level adjustment control unit connector B 'pin 84' and solenoid block connector A 'pin 9'. ♦ Measure resistance between level adjustment control unit connector B 'pin 92' and solenoid block connector A 'pin 7'.	5 Ω ⇒ Step 5	Repair/replace wire harness → End

Work instruction			Display OK	If not OK
5	Check solenoid valve activation:	♦ Using the 9588 Porsche System Tester II, select the 'Actual values' menu item to check the values for 'pressure sensor voltage and pressure'.	Values OK → End	⇒ Step 6
6	Replace solenoid block. Then check compressed air lines for leaks.		→ End	⇒ Step 7
7	Replace level adjustment control unit		→ End	