

Diagnosis/troubleshooting

Work instruction		Display OK	If not OK	
1	Visual inspection	Check the pressure sensor plug for damage and corrosion	Step 2	Repair pressure sensor plug
2	Check supply voltage of the pressure sensor for short circuit to ground/open circuit	Switch off ignition Pull off pressure sensor plug Switch on ignition Measure voltage between pin 3 of pressure sensor plug and ground	approx. 5 V Step 3	Display 0 V: Short circuit to ground/open circuit in circuit between PSM control module plug pin 42 and pressure sensor plug pin 3 Display > 11 V Short circuit to voltage between PSM control module plug pin 42 and pin 3 of the booster pump pressure sensor plug, or PSM control module faulty End
Work instruction		Display OK	If not OK	
3	Check ground of pressure sensor for open circuit	Measure voltage between pin 3 of the booster pump pressure sensor plug and pin 1 of the booster pump pressure sensor plug	approx. 5 V Step 4	Open circuit in circuit between PSM control module plug pin 25 and pin 1 of the booster pump pressure sensor plug, or PSM control module faulty End
4	Check signal lead of the pressure sensor for short circuit to voltage	Measure voltage between pin 2 of the booster pump pressure sensor plug and ground	< 0.3 V Step 5	Short circuit to voltage between pin 2 of booster pump pressure sensor plug and PSM control module plug pin 26 End
5	Check signal lead of the pressure sensor for short circuit to ground	Switch off ignition Measure resistance between pin 2 of the booster pump pressure sensor plug and ground	< 5 Ω Step 6	Short circuit to ground between pin 2 of booster pump pressure sensor plug and PSM control module plug pin 26 End
6	Check signal lead of the pressure sensor for open circuit	Measure resistance between pin 2 of the booster pump pressure sensor plug and PSM control module plug pin 26	< 5 Ω Step 7	Open circuit between pin 2 of the booster pump pressure sensor plug and PSM control module plug pin 26 End
7	Replace hydraulic unit		End	