

Diagnosis – Complaint Related Diagnostic Chart

Instrument Cluster

Complaint/Problem	Possible cause	Remedy/Test step ¹⁾
Entire instrument cluster (A1) not functioning.	Power supply, Electronic circuit board.	23 ⇒ 1.0
Indicator lamps for ABS, ASR, charge control, brake pad wear, brake fluid, parking brake and ADS are not functioning.	Power supply, Electronic circuit board.	23 ⇒ 1.0
Instrument cluster illumination not operating.	Bulbs (23 Figure 6), Exterior lamp switch (S1), Electronic circuit board.	23 ⇒ 2.0
Fuel tank gauge (A1p2) inaccurate or not operating.	A1p2 Reference resistor (23, Figures 7 and 8) Fuel level sensor (B4)	23 ⇒ 3.0
Fuel consumption gauge (A1p10) inaccurate or not operating.	A1p10 Fuel consumption signal from LH-SFI, EDS control module or engine control module (HFM-SFI)	23 ⇒ 4.0
Oil pressure gauge with warning lamp (A1p3) inaccurate or not operating.	A1p3 Oil pressure sensor (B5)	23 ⇒ 5.0
Oil pressure gauge with warning lamp (A1p3) stays on continuously.	Oil pressure sensor (B5) Electronic circuit board	23 ⇒ 5.0 23 ⇒ 6.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Complaint Related Diagnostic Chart

Instrument Cluster (continued)

Complaint/Problem	Possible cause	Remedy/Test step ¹⁾
Tachometer (A1p5) inaccurate or not operating.	A1p5 TN-signal	23 ⇒ 7.0
Oil level indicator lamp (A1e12) lights up but oil level is OK.	Oil level switch (S43)	23 ⇒ 8.0
Electronic speedometer (A1p8) inaccurate or not operating.	Electronic circuit board ²⁾ A1p8 Vehicle speed signal from ABS or ASR control module (N30 or N30/1)	23 ⇒ 9.0
Outside temperature display (A1p4) inaccurate or not operating.	Electronic circuit board ²⁾ A1p4 Outside temperature sensor (B14)	23 ⇒ 10.0
ECT gauge (A1p1) inaccurate or not operating.	A1p1 ECT sensor (B13)	23 ⇒ 11.0

¹⁾ Observe Preparation for Test, see 22.

²⁾ Verify that correct part number/version is installed.