

### 3.1 Radio (RD)

### All Models with MB-Radio

#### Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Remedy/Test step
Entire radio (A2) not functioning.	Power supply: Radio (A2)	23 ⇒ 1.0
No display in display window of radio (A2)	Power supply: Radio (A2)	23 ⇒ 1.0
Cassette player functions in radio (A2) not working	Power supply: Radio (A2)	23 ⇒ 1.0
Entire CD operation not functioning.	Power supply radio (A2), CD changer (A2/6)	23 ⇒ 1.0, 2.0 or 3.0
Left front loudspeaker not operating.	Radio (A2), loudspeaker	23 ⇒ 4.0
Right front loudspeaker not operating	Radio (A2), loudspeaker	23 ⇒ 5.0
Left rear loudspeaker not operating	Radio (A2), loudspeaker	23 ⇒ 6.0
Right rear loudspeaker not operating	Radio (A2), loudspeaker	23 ⇒ 7.0
Radio interference	Radio (A2), Antenna	23 ⇒ 8.0
Poor radio reception	Radio (A2), antenna, Reception area	23 ⇒ 9.0
Automatic antenna (M11) not operating	Radio (A2), automatic antenna (M11)	23 ⇒ 10.0
Speed-sensitive volume control not operating	Radio (A2), vehicle speed signal (except model 163)	23 ⇒ 11.0
Radio illumination not operating	Radio (A2)	23 ⇒ 12.0
Radio mute switching when using telephone not operating	Radio (A2), cellular telephone system	23 ⇒ 13.0

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#### Diagnosis – Complaint Related Diagnostic Chart

Model 129, 202, 208, 210 as of 06/98 with D2B fiber optics

Complaint/Problem/DTC	Possible cause	Notes	Test step/Remedy <sup>1)</sup>
B 1000	Radio: Internal fault		Replace radio
B 1010	Radio: Low voltage		23 ⇒ 3.0
B 1011	Radio: High voltage		23 ⇒ 3.0
B 1057 B 1074 B 1088	Radio: CAN B fault		Check CAN data bus
B 1761	Radio: Automatic antenna switching circuit [ ]		Check antenna system (ATS)
B 1764	Radio: Cassette player or cassette faulty		Check cassette Replace radio
B 1768	Radio: Front flap end switch - locking  Front flap end switch - opening		Replace radio  Replace radio
B 1782	Radio: Internal fault  CAN data bus failure		Replace radio  Check CAN data bus

<sup>1)</sup> Observe Preparation for Test, see 22.

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Model 129, 202, 208, 210 as of 06/98 with D2B fiber optics

Complaint/Problem/DTC	Possible cause	Notes	Test step/Remedy <sup>1)</sup>
P 1111	Radio: D2B Data transfer faulty		Check connections Check fiber optics
P 1112	Radio: Data transfer between radio and preceding D2B component		Check connections Check fiber optics
P 1113	Radio: D2B Data transfer faulty		Check connections Check fiber optics
P 1114	Radio: D2B initialization fault		Reconfigure the D2B system, refer to HHT
P 1115	Radio: D2B initialization fault		Reconfigure the D2B system, refer to HHT
P 1116	Radio: D2B components not recognized (By-pass mode)		Check all D2B components, replace if necessary
P 1130	Radio: EEPROM defect		Replace radio

<sup>1)</sup> Observe Preparation for Test, see 22.

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Model 129, 202, 208, 210 as of 06/98 with D2B fiber optics

Complaint/Problem/DTC	Possible cause	Notes	Test step/Remedy <sup>1)</sup>
P 1131	Radio: RAM defect		Replace radio
P 1132	Radio: One or more buttons stuck		Press and test all buttons several times
P 1133	Radio: Low voltage		23 ⇒ 3.0
P 1134	Radio: Internal fault		Replace radio
P 1135	Radio: D2B Wake-up circuit [ ] – [ ] +		Check circuit
P 1140	Radio: CAN bus faulty		Check CAN data bus
P 1141	Radio: Nominal - actual values of the D2B- rings different		Reconfigure the entire D2B system, refer to HHT
P 1142	Radio: Scan function faulty (antenna connection)		Check antenna system (ATS)
P 1143 P 1144 P 1145 P 1146	Radio: Cassette player or cassette faulty		Check cassette Replace radio

<sup>1)</sup> Observe Preparation for Test, see 22.