

Diagnosis – Complaint Related Diagnostic Chart

Preparation for Test:

- Review 10, 21, 22, 31

Electrical wiring diagrams:

Electrical Troubleshooting Manual, Model 163,
(available in Work Shop Information System [WIS] only)

Test Functions

| Complaint/Problem | Possible cause | Test step/Remedy ¹⁾ |
|--|--|------------------------------------|
| Entire front seat (left and right) heater system does not function. | Convenience relay (F1k14) | |
| Left front seat Heating stage I does not function. | Seat heater relay (stage 1) (K59) Left front seat heater switch (S51/1) LF seat cushion heater element (R13/1) LF backrest heater element (R13/2) | 23 ⇒ 1.0, 23 ⇒ 3.0, 23 ⇒ 5.0 |
| Left front seat Heating stage II does not function. | Seat heater relay (stage 2) (K59/1) Left front seat heater switch (S51/1) | 23 ⇒ 2.0, 23 ⇒ 3.0 |
| Left front seat, heating stage II , LF seat cushion heater element (R13/1) does not function | LF seat cushion heater element (R13/1) | 23 ⇒ 5.0 |
| Left front seat, heating stage II , LF backrest heater element (R13/2) does not function | LF backrest heater element (R13/2) | 23 ⇒ 5.1 |

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Complaint Related Diagnostic Chart

Test Functions

| Complaint/Problem | Possible cause | Test step/Remedy ¹⁾ |
|---|---|-------------------------------------|
| Right front seat Heating stage I does not function. | Seat heater relay (stage 1) (K59) Right front seat heater switch (S51/2) RF seat cushion heater element (R13/3) RF backrest heater element (R13/4) | 23 ⇒ 7.0, 23 ⇒ 9.0, 23 ⇒ 11.0 |
| Right front seat Heating stage II does not function. | Seat heater relay (stage 2) (K59/1) Right front seat heater switch (S52/1) | 23 ⇒ 8.0, 23 ⇒ 9.0 |
| Right front seat, heating stage II , RF seat cushion heater element (R13/3) does not function | RF seat cushion heater element (R13/3) | 23 ⇒ 12.0, 13.0 |
| Left front seat, heating stage II , RF backrest heater element (R13/4) does not function | RF backrest heater element (R13/4) | 23 ⇒ 12.0, 13.0 |

¹⁾ Observe Preparation for Test, see 22.