

#### Diagnosis – Complaint Related Diagnostic Chart (Preglow System)

**Prior to Testing:**

1. Review 11, 12, 21, 22, 23, 31

| Complaint/Problem  | Possible cause  | Test step/Remedy <sup>1)</sup> |
|--|---|--------------------------------|
| Preglow indicator lamp does not illuminate with glow/starter switch ON, however engine can be started. | Preglow indicator lamp.   | A1                             |
| Preglow indicator lamp does not illuminate, engine can not be started.                                 | Voltage supply to preglow control module (N14/2 ) is faulty or preglow control module (N14/2) is defective. | 23 ⇒ 3.0<br>23 ⇒ 27.0          |
| Preglow indicator lamp illuminates for approx. 1 minute while driving.                                 | Open circuit at glow plugs.   | 23 ⇒ 21.0                      |
| Preglow indicator lamp illuminates while driving or illuminates intermittantly.                        | Short circuit N14/2<br>Communication between N3/7 and N14/2 interrupted.                                    | 23 ⇒ 19.0<br>23 ⇒ 20.0         |

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

**Note regarding preglow circuit:**

A melt-down type fuse is installed in the preglow endstage circuit.

If a short circuit occurs within the glow plugs or a short circuit occurs within the wires to the glow plugs, the circuit within the glow plug endstage is interrupted.

After repair of the shortcircuit, N14/2 **must** be replaced.

A malfunction of a glow plug is **not** indicated by the preglow indicator lamp.