Diagnosis – Diagnostic Trouble Code (DTC) Memory

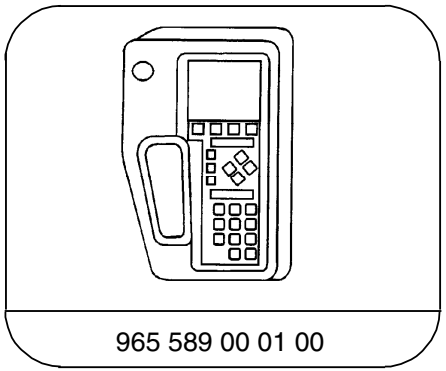
Notes regarding Diagnostic trouble Code Memory

- To each fault (short circuit, open circuit etc) a certain numerical code has been assigned, i.e. Diagnostic Trouble Code (DTC). Additionally, current and intermittently appearing DTC's are differentiated from each other.
- When retrieving DTC's from the A/C pushbutton control module (N19), short circuits and open circuits can not be differentiated from each other in every case.
- If no DTC's are stored in DTC memory, but a complaint exists, it is possible that there may be a problem of incompatible tolerances between components. Since DTC memory can not read these tolerance variations, it is recommended that the entire system be completely checked, using the socket box and multimeter.

Prerequisite for reading out DTC Memory

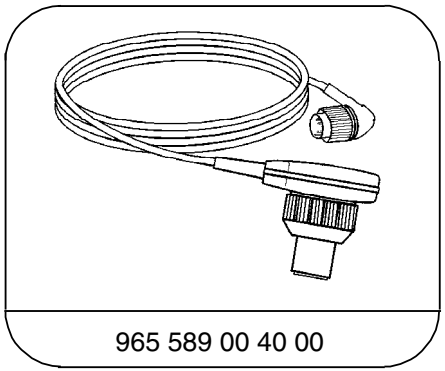
Electrical wiring diagrams:
Electrical Troubleshooting Manual, Model 170, Group 83

Special Tools



965 589 00 01 00

Hand-Held-Tester



965 589 00 40 00

Test cable

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy [1]
B1227	Outside temperature indicator temperature sensor (B14)	23⇒ 14.0
B1228	Heater core temperature left (B10/1)	23⇒ 5.0
B1229	Heater core temperature right (B10/2)	23⇒ 6.0
B1230	Evaporator temperature sensor (B10/6)	23⇒ 4.0
B1231	ECT sensor (B11/4)	23⇒ 14.0
B1232	Refrigerant pressure sensor (B12)	23⇒ 7.0
B1416	Coolant circulation pump (M13)	23⇒ 16.0
B1417	Left-side water valve (Y21y1)	23⇒ 10.0
B1418	Right-side water valve (Y21y2)	23⇒ 11.0
B1419	Electromagnetic clutch (A9k1)	23⇒ 9.0
B1420	Idle speed regulator	23⇒ 15.0
B1422	Serial Interface K1	23⇒ 14.0
B1454	Fresh/recirculated air flap switch over valve (Y13)	23⇒ 13.0
B1459	Serial Interface K2	23⇒ 15.0

[1] Observe Preparation for Test, see 22.