


Air Conditioning (A/C)

Models 210

Diagnostic trouble Code Memory [15]



- The A/C pushbutton control module (N22) has DTC memory and data output. The diagnostic trouble codes and data are displayed via the temperature display window. The stored DTC's will remain in memory even with the vehicle battery disconnected.
- The DTC memory differentiates continuously between current and intermittent faults.
- All DTC's can also be read with the Hand-Held Tester (HHT).






Figure 1 PB3.30-0289-01

Preparations For DTC Readout

Preparations for DTC Readout

1. Connect HHT, see section 0 and readout DTC's.
2. Review 11, 12, 13, 14, 15, 20, 21, 22, 31, 32, 41, 42
3. Ignition: **ON**
4. Temperature selector left "HI", right "LO".
5. Within 20 seconds press **REST** and **EC** simultaneously for more than 5 seconds.
6. The LED in  flashes and the display shows "di R".
7. Press **AUTO** repeatedly until all DTC's (refer to DTC table) are displayed. Record each DTC as it is displayed.
8. Each malfunction (short circuit, open circuit, etc.) has a specific DTC assigned to it.
The letter "E" (Error) is displayed in the left of the display and the DTC is displayed in the right of the display. By pressing the right **AUTO** button the next DTC stored in memory will be displayed.
9. To erase: Only possible after all DTC's are read out.
Simultaneously press both **AUTO** > 2 secs. "d" will be displayed in the left side of the display window and "FF" on the right side.
To cancel erase: By pressing **AUTO** the current faults will appear again.
10. Set temperature selector to normal setting.
11. Turn ignition **OFF** to end test.

DTC B1226/003 - B1234/011

Diagnostic trouble code (DTC) N22 	Possible cause	Test step/Remedy 1)
--	No malfunction in system	-
B1226 003	In-car temperature sensor (B10/4)	P28 → P29
B1227 004	Outside temperature indicator temperature sensor (B14)	P28 → P48
B1228 005	Heater core temperature (B10/1)	P28 → P70
B1229 006	Heater core temperature (B10/1)	P28 → P80
B1230 007	Evaporator temperature sensor (B10/6)	P28 → P90
B1231 008	ECT sensor (B11/4)	P28 → P48
B1232 009	Refrigerant pressure sensor (B12)	P28 → P90
B1233 010	Refrigerant temperature sensor (B12/1)	P28 → P60
B1234 011	Sun sensor (B32)	P28 → P100

DTC B1235/012 - B1462/030

B1235 012	Emissions sensor (B31)	P28 → P120
B1241 013	Refrigerant fill	P28 → P90 , S0
B1416 014	Coolant circulation pump (M13)	P28 → P150
B1417 019	Duovalve (Y21y1), left	P28 → P150
B1418 020	Duovalve (Y21y2), right	P28 → P150
B1419 021	Electromagnetic clutch (A9k1)	P28 → P190
B1420 022	Idle speed increase	-
B1421 023	Pulse module (N65)	P28 → P130
B1422 024	Series interface (K1) connection to instrument cluster (A1)	P28 → P48
B1423 025	Switchover valve block (Y11)	P28 → P150
B1424 026	Activated charcoal filter actuator (A32m2) open	P28 → P200
B1425 027	Activated charcoal filter actuator (A32m2) closed	P28 → P200
B1432 028	Non-USA DTC	-
B1459 029	Series interface (K2) connection to instrument cluster (A1)	P28 → P48
B1462 030	Wide open throttle (WOT) position signal: diesel engines	-

1) Observe Preparation for Test. [Sec. 1-22](#)