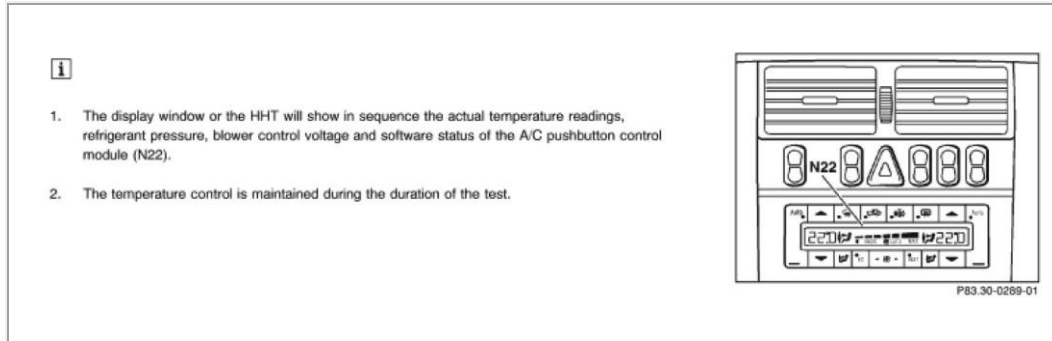


## Air Conditioning (A/C)



Models 210






























### Reading Actual Values (via A/C Pushbutton Control Module [N22])



### Preparations for Test

1. Ignition ON.
2. Set temperature selection to **72°F** (press up and down simultaneously).
3. Press **AUTO**
4. Press **REST** for more than 5 seconds.
5. The display will alternately show the number **1** and the in-car temperature.
6. By pressing **AUTO** the next test step is displayed (see table).
7. Press **REST** to end test program.

The display will show "E" (Error) if there is a short or open circuit, negative sensor values will be shown in the left display (e.g.  .

Display code in N22 window		Possible cause	Test step/Remedy 1)
1	01	In-car temperature sensor (B10/4)	 23  4.0
2	02	Outside temperature indicator temperature sensor (B14)	 23  21.0
3	03	Heater core temperature sensor left (B10/1)	 23  7.0
4	04	Heater core temperature sensor right (B10/1)	 23  8.0
5	05	Evaporator temperature sensor (B10/6)	 23  5.0
6	06	ECT sensor (DFI, IFI) (B11/4)	 23  24.0
7	07	Refrigerant pressure in bar, e.g. <sup>4</sup> corresponds to 4 bar	 23  3.0
8	08	Refrigerant temperature sensor (B12/1), e.g. <sup>73</sup> corresponds to 73 °F	 23  25.0
9	-	Not used	-
10	13	Blower control voltage, e.g. <sup>08</sup> (min) - <sup>6.0</sup> (max) corresponds to .8 - 6 V	 23  17.0
11	10	Emissions sensor (B31) e.g. <sup>3.1</sup> corresponds to 3.1 V	 23  12.0
12	09	Sun sensor (B32) e.g. <sup>4.2</sup> corresponds to 4.2 V	 23  10.0
20	-	Control current for auxiliary fan e.g. <sup>7</sup> corresponds to 7 mA	 23  38.0
21	12	Engine speed, e.g. <sup>00</sup> . <sup>99</sup> (x 100) corresponds to 9900 rpm	 23  24.0
22	11	Vehicle speed <sup>155</sup> (km/h)	 23  24.0
23	14	Terminal 58d e.g. <sup>99.0</sup> corresponds to 99 % battery voltage	-
24	-	Battery voltage e.g. <sup>12.8</sup> = 12.8 V	-
40	12	Software status e.g. <sup>37</sup>	-
41	12	Hardware status e.g. <sup>08</sup>	-