
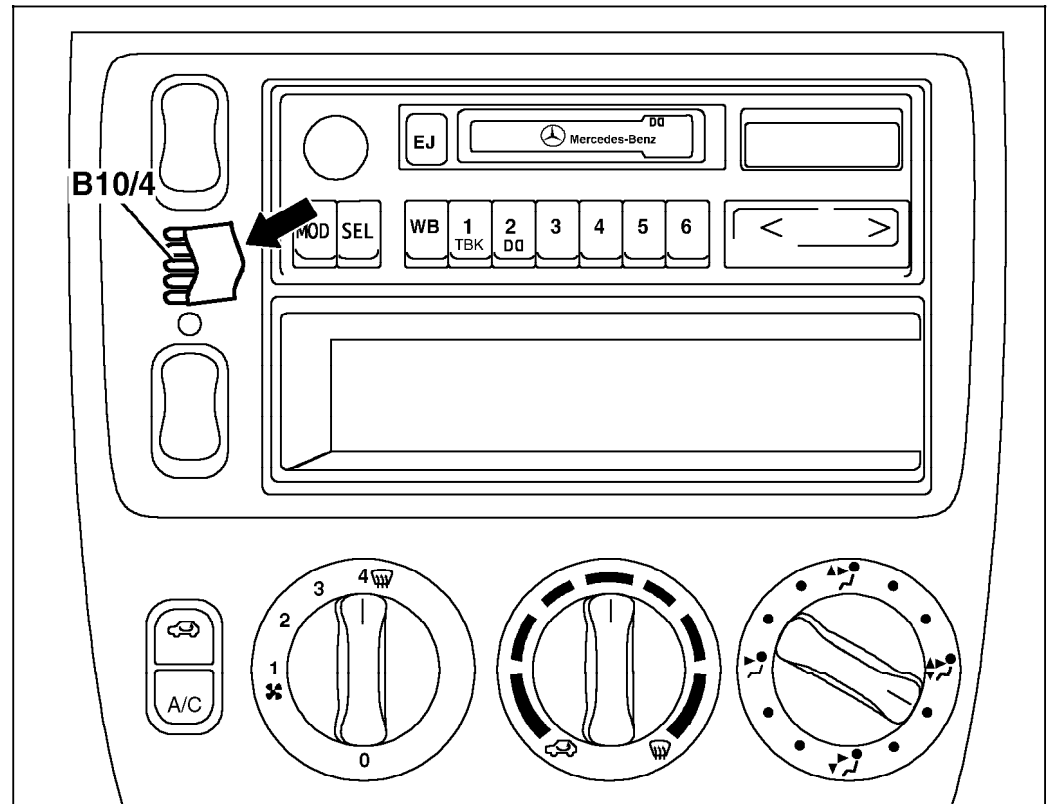


### Diagnosis – Function Test

#### Preparation for Test

**Note:** Applies for vehicles **up to 12/99 production** only.  
For vehicles as of 12/99 production see 11/2

1. Check condition of fuses: F 16, F 41, F 43, F 44
2. Check in – car temperature sensor suction venturi jet (B10/4) by placing a small piece of paper (approx. " sq.) over suction venturi jet vent grille (arrow) with ignition "ON" . If there is sufficient ventilation the paper will remain on the vent grille.
3. Run engine at idle (approx. 80°C coolant temperature) when performing the entire test procedure.
4. Outside air temperature > 15° C (58° F).
5. Manually open center and side air outlets.
6. Ensure that the  button is not depressed.
7. Set blower fan to stage 4.




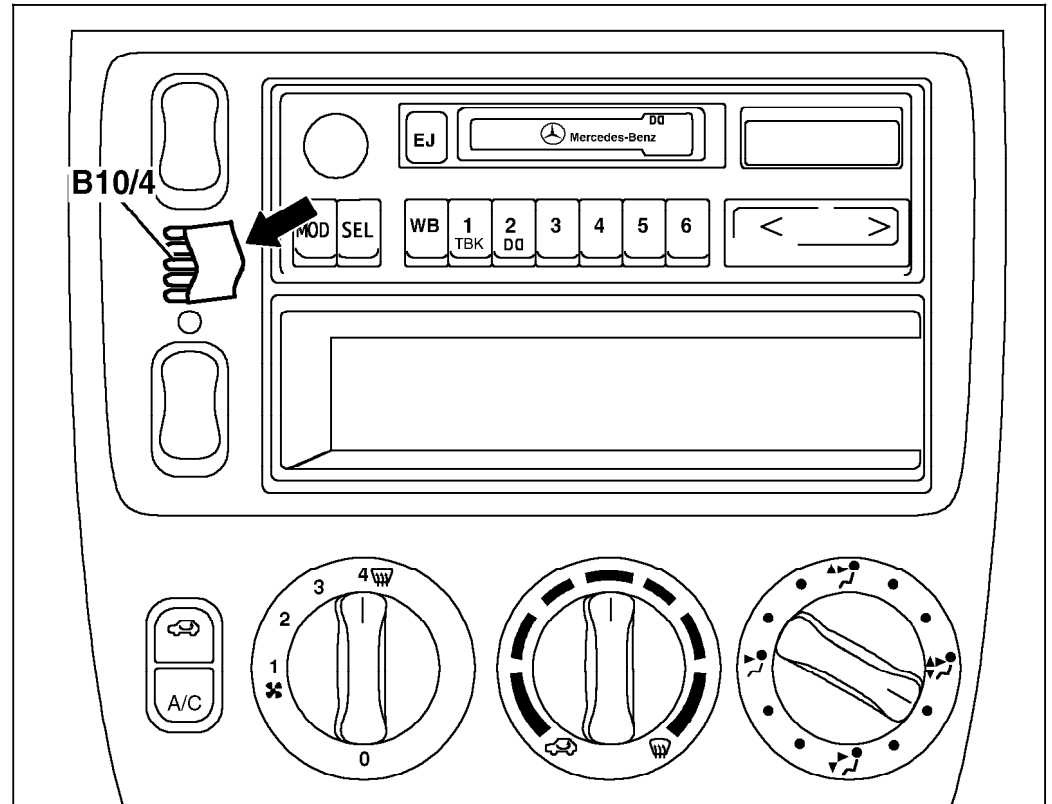
P83.30-0785-11

### Diagnosis – Function Test

#### Preparation for Test

**Note:** Applies for vehicles as of 12/99 production only

1. Check condition of fuses: F 16, F 41, F 43, F 44
2. Check in – car temperature sensor aspirator blower (B10/4) by placing a small piece of paper (approx. ” sq.) over aspirator blower vent grille (arrow) with ignition “ON” . If there is sufficient ventilation the paper will remain on the vent grille.
3. Run engine at idle (approx. 80°C coolant temperature) when performing the entire test procedure.
4. Outside air temperature > 15° C (58° F).
5. Manually open center and side air outlets.
6. Ensure that the  button is not depressed.
7. Set blower fan to stage 1.



P83.30-0785-11






Beware of after-run timespan.



### Diagnosis – Function Test

Review 11, 12, 15, 21, 22

Review ETM document: PE83.00-P-1100E

Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 1.0 Defrost	Temperature selector wheel in "white range".  button indicator lamp <b>is</b> illuminated. Air distribution dial set at 12 o'clock position (vertical).	Air venting from center vents. Air venting from defroster outlets. A/C compressor <b>engaged</b> .	23 ⇒ 1.0 – 9.0
⇒ 2.0 Normal ventilation in regulating mode	Temperature selector wheel in "white range".  button indicator lamp <b>is</b> illuminated. Air distribution dial set at 4 o'clock position.	Air venting from lower and upper outlets. A/C compressor <b>engaged</b> . Tempered air from center air outlet. Coolant circulation pump runs at the same time.	23 ⇒ 8.0 – 9.0
⇒ 3.0 Economy setting <b>not</b> in heating mode	Temperature selector wheel in "blue range".  button indicator lamp <b>is not</b> illuminated. Air distribution dial set at 9 o'clock position.	Air venting from center air outlets (ambient temperature). A/C compressor <b>not</b> engaged.	23 ⇒ 8.0

Diagnosis – Function Test

Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 4.0 Economy setting in heating mode	Temperature selector wheel in "red range".  button indicator lamp <b>is not</b> illuminated. Air distribution dial set at 4 o'clock position.	Heated air venting from lower, upper and center air outlets. A/C compressor <b>not</b> engaged.	23 ⇒ 8.0
⇒ 5.0 Recirculation mode	 button is illuminated. Set blower fan to stage 4.	Blower fan noise increases noticeably.	Wiring, Recirculation switch, Recirculation/fresh air flap actuator motor (M39).