

Air Conditioning (A/C), (Tempmatic) - 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. ½" sq.) over suction venturi jet vent grille (arrow) with ignition "ON" . If there is sufficient ventilation the paper will remain on the vent grille.

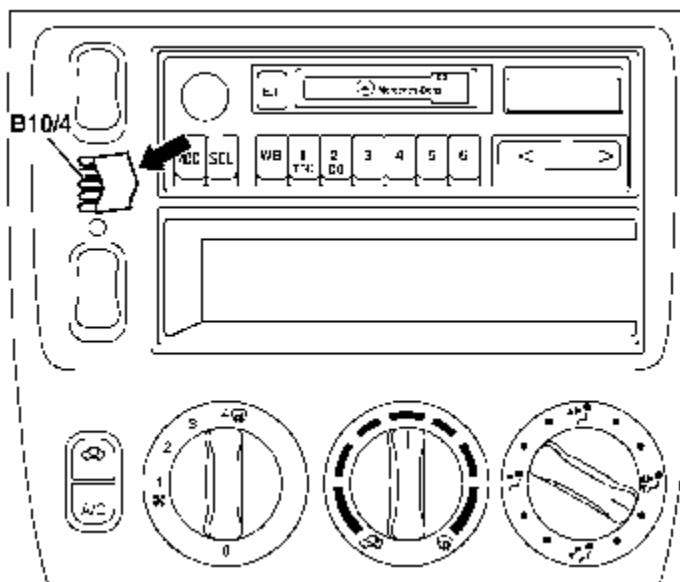
3. Run engine at idle (approx. 80°C coolant temperature) when performing the entire test procedure.

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

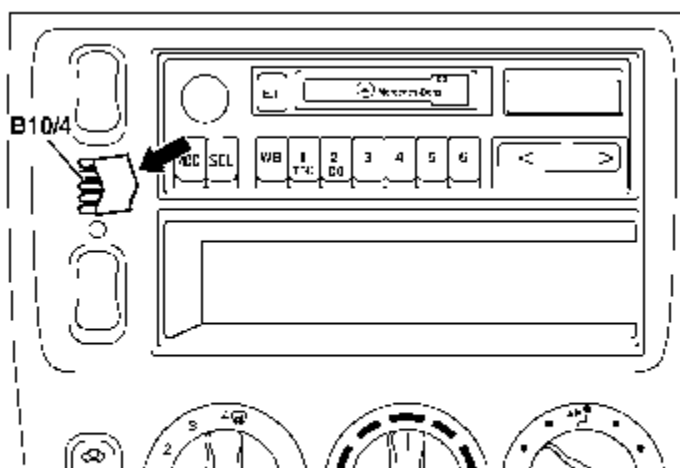
Preparation for Test


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. ½" 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 .



Beware of after-run timespan.

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

