

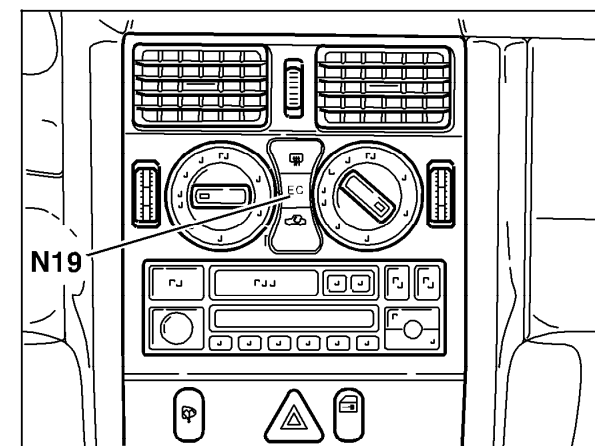


Diagnosis – Function Test

Preparation for Test

1. Review 11, 15, 20, 21, 22, 23, 31, 32, 41
2. Check condition of fuses: F1-33, F1-36, F1-37, F1-M4
3. Run engine at closed throttle (idle) and operating temperature (approx. 80 °C engine coolant temperature) during entire test (ensure that the shift lever is in “P” and that the parking brake is engaged).
4. Outside air temperature > 15° C (58° F).
5.  button indicator lamp located in N19 is not illuminated.
6. Manually open center and side air outlets.
7. Ensure that the  button located in N19 is not depressed.
8. Set blower fan to stage 3.



P83.30-0540-01

N19 A/C pushbutton control module

2.4 Air Conditioning (A/C) (Tempmatic)

Model 170

Diagnosis – Function Test

Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Defrost	Temperature selector wheel in "white range". EC button indicator lamp is not 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.	23 ⇒ 1.0 – 15.0, 32
⇒ 2.0 Normal ventilation in regulating mode	Temperature selector wheel in "white range". EC button indicator lamp is not 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. Duovalve cycles at the same time.	23 ⇒ 10.0 – 15.0
⇒ 3.0 Economy setting not in heating mode	Temperature selector wheel in "blue range". EC button indicator lamp is illuminated. Air distribution dial set at 9 o'clock position.	Air venting from center air outlets (ambient temperature) A/C compressor not engaged.	23 ⇒ 9.0 – 13.0
⇒ 4.0 Economy setting in heating mode	Temperature selector wheel in "red range". EC button indicator lamp is 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.	23 ⇒ 9.0, 12.0
⇒ 5.0 Residual engine heat utilization (as of 10/97)	Ignition: OFF Press REST button Selected temperature: > 25°C	Heated air venting from footwell and side outlets. leak air from defroster outlets. Blower runs at lower speed. Coolant circulation pump (M13) runs.	23 ⇒ 16.0, 10.0, 11.0

¹⁾ Observe Preparation for Test, see 22.