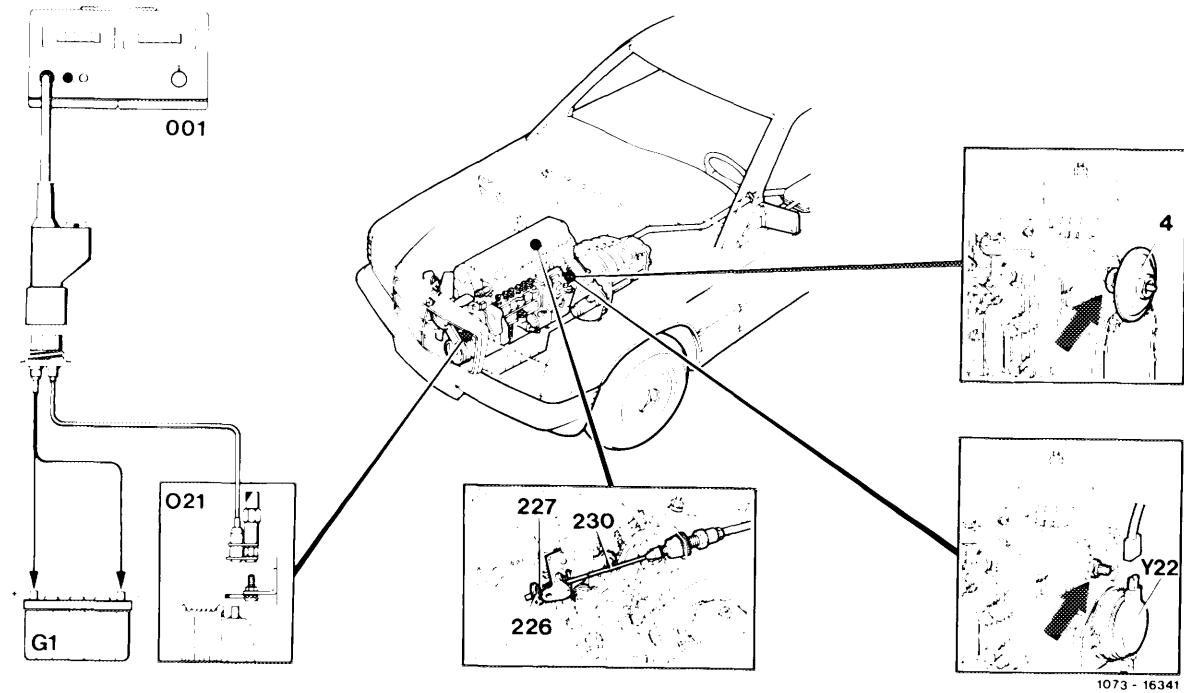


## 07.1-100 Testing, adjusting idle speed

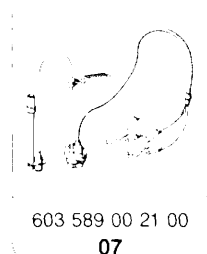


Digital tester (001) and pulse generator (021) . . . . .	connect, disconnect..
Control . . . . .	check for easy operation.
Idle speed stop on Bowden cable . . . . .	check, spring retainer (226) must contact the compression spring (227) without preload.
Bring engine to . . . . .	60-80 °C coolant temperature.
Double coupling of electromagnetic actuator (Y22) . . . . .	pull off, refit.
Idle speed . . . . .	check, adjust.
Smooth engine operation . . . . .	check by switching on all additional units.

## Test and adjusting values

Engine	Idle speed 1/min Electronic idle speed control (ELR)	
	with control	without control Plug on electromagnetic actuator pulled off
602	680 ± 20	620 ± 40

## Special tools



## Commercially available tools

Digital tester

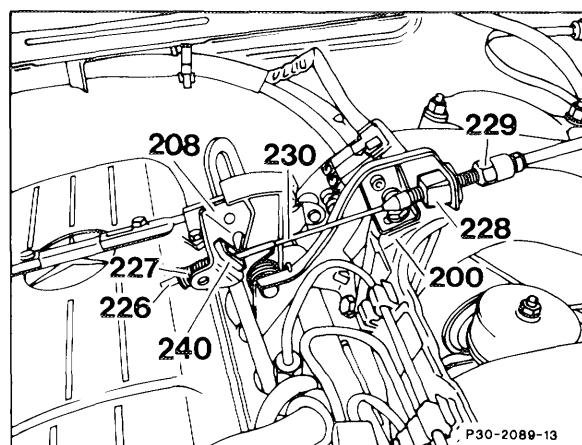
e.g. Bosch, MOT 002.01  
Sun, DIT 9000

## Adjusting

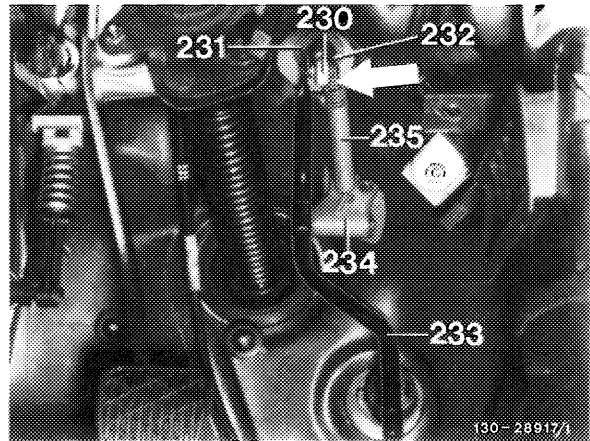
1 Connect digital tester (001) and pulse generator (020).

2 Check control for easy operation and condition.

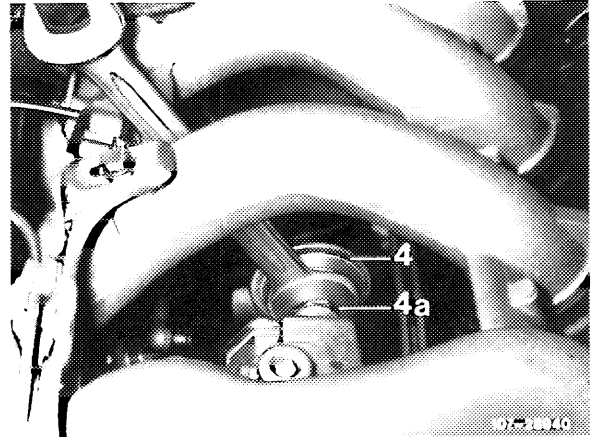
Check idle speed stop; in idle speed position the spring retainer (226) of the Bowden cable (230) must contact the compression spring (227) without preload.



Adjust adjusting nut (232) of Bowden cable (230) from the vehicle inside if required.

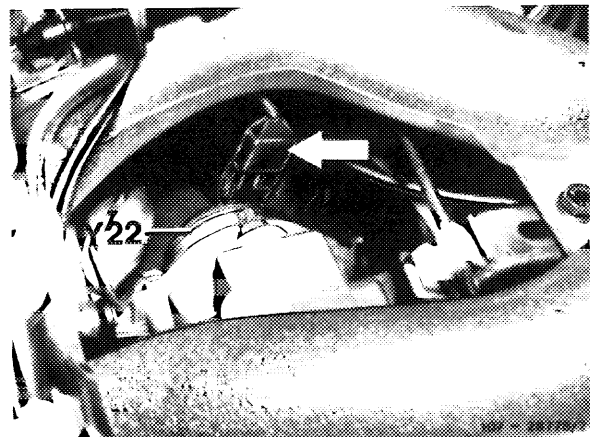


3 Run engine up to 60-80 °C coolant temperature.



**Engine 602 with electronic idle speed control**

4 Pull double coupling off electromagnetic actuator.

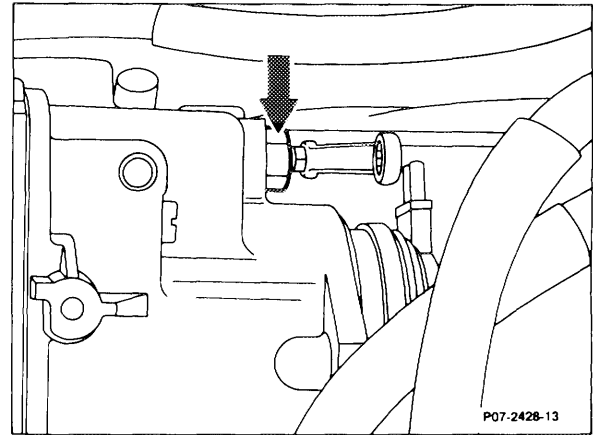


5 Loosen lock nut (arrow) and adjust idle speed

left = higher speed

right = lower speed

Test values see table Test and adjusting values



6 Switch on all additional equipment and ensure engine operates smoothly.