07.2–102 Checking idle speed shutoff valve

Test value

Delaying time	6–16 s

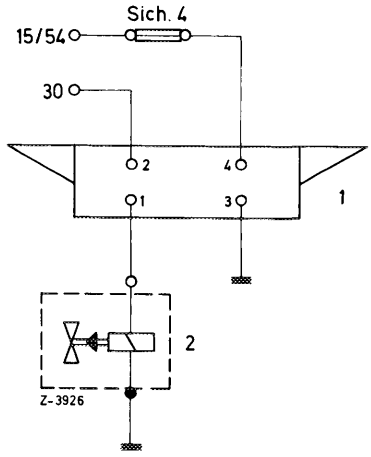
Conventional tools

Voltmeter, measuring range 0–30 V, test lamp

Test

A. Model 115

1 Switch ignition on and off. Idle speed shutoff valve should audibly or noticeably switch for approx. 6–16 seconds after switching off ignition.



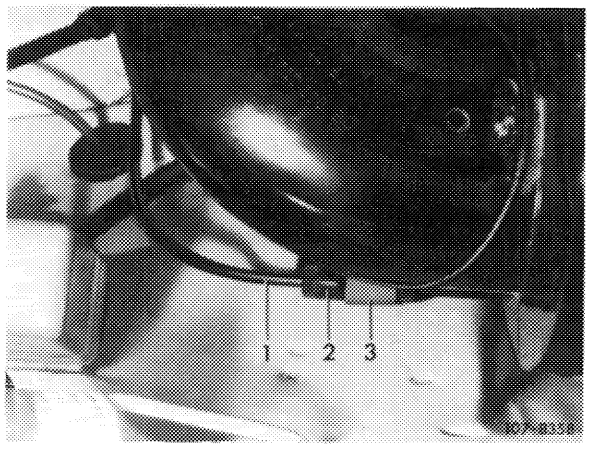
Electric wiring diagram for idle speed shutoff valve

1 Delay switch
2 Idle speed shutoff valve

2 If idle speed shutoff valve is not switching, separate plug connection (2).

3 Connect test lamp to current-carrying cable (1) and to ground.

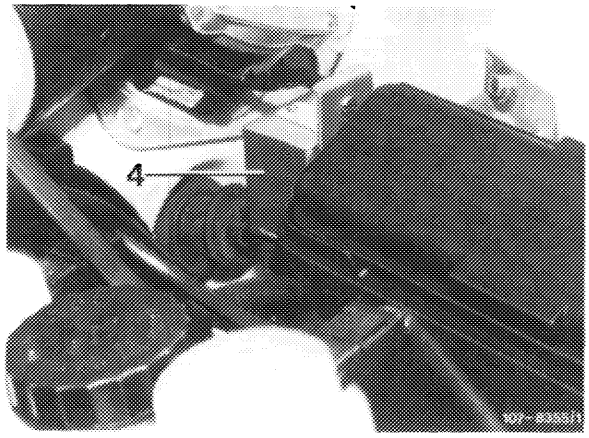
4 Switch on ignition. Test lamp should not light up (valve opened, no power flow).



5 **Switch off ignition.** Test lamp should light up 6–16 seconds (valve closed, 6–16 seconds power flow).

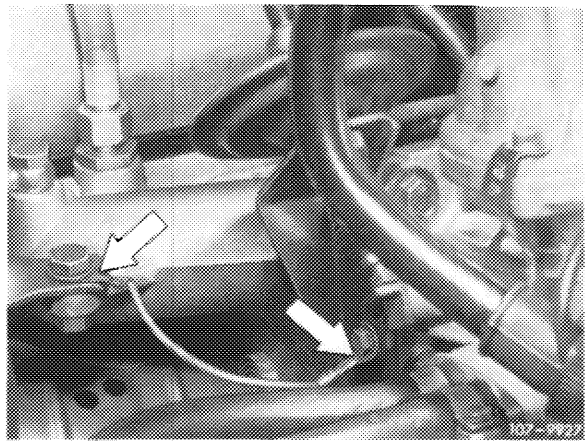
Note: If the ignition is switched on again prior to end of delaying period, test lamp should go out again immediately. (No power flow, valve opens).

6 If test lamp is not lighting up, renew delay switch (4). Then test once again according to item 4 and 5.



7 If the idle speed shutoff valve is not switching in spite of perfect delay switch, test ground cable for firm seat (arrows).

Attention!
With inadequate ground connection, a mechanically perfect idle speed shutoff valve cannot switch in spite of current supply.



B. Model 123

1 Switch on ignition. Pull off electric supply line on idle speed shutoff valve (38) and put back again. Idle speed shutoff valve should audibly and noticeably switch.

If idle speed shutoff valve is not switching, continue function test as follows, keeping ignition switched on:

2 Connect test lamp with pulled off electric supply line for idle speed shutoff valve and to ground. If test lamp is not lighting up, test fuse No. 4 or electric supply line for interruption.

If test lamp lights up, replace idle speed shutoff valve.