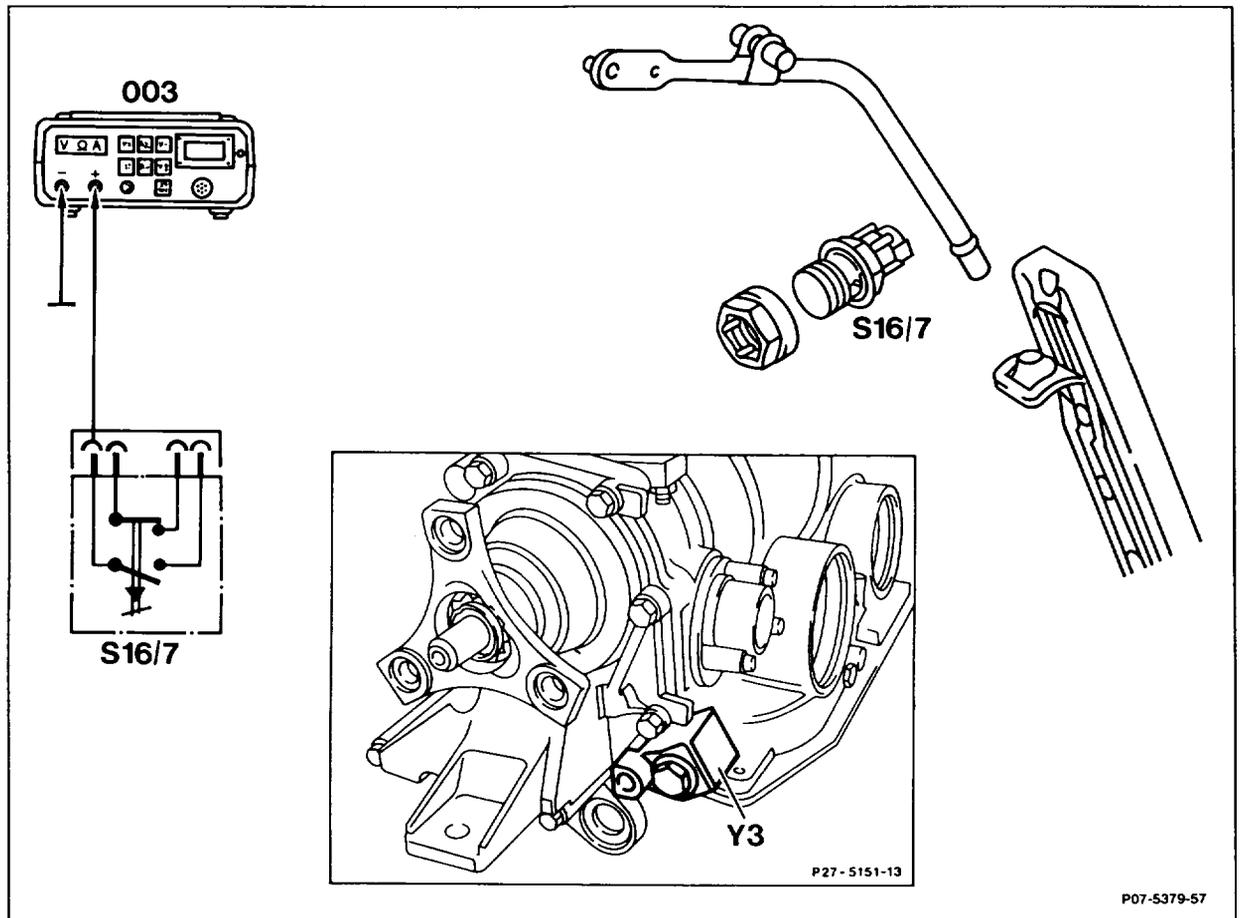


## 07.3-1122 Testing kickdown switch

Operation no. of operation texts and work units or standard texts  
and flat rates:  
07-1122.



S16/7 Kickdown switch  
Y3 Solenoid valve (kickdown valve, automatic  
transmission)

003 Multimeter

### Commercially available tools and testers (see Workshop Equipment Manual)

Designation	e.g. Make, order no.
Multimeter	Sun, DMM-5

## Special tool



## Test

### Symbols for testers

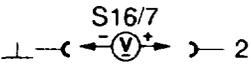
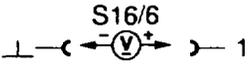
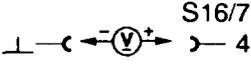
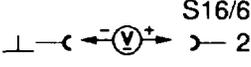
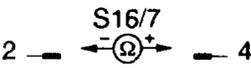
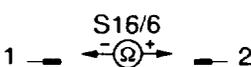
	Multimeter
	Socket
	Connector
	Ground

### Symbols for test mode with multimeter

	Multimeter DC voltage mode
	Multimeter Resistance mode

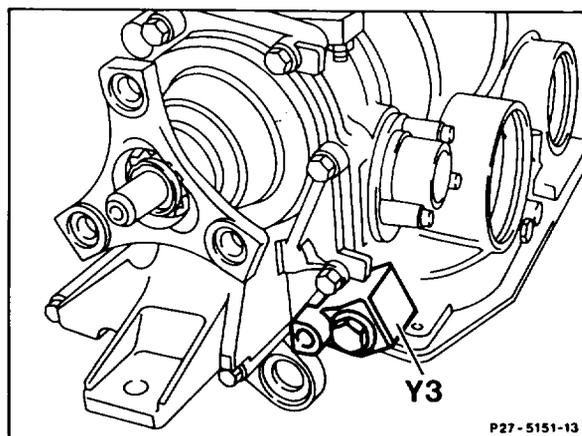
### Note

See appropriate wiring diagrams volume for wiring diagrams.

Test step	Test scope	Tester/ Test connection	Operation/ Requirement	Specifi- cation/ Function	Possible cause/Remedy
1.0	Kickdown cutoff	<p>With selection program:</p>  <p>W/o selection program: (AUS), (J), (USA)</p> 	<p>Ignition: <b>ON</b> Engine: <b>start</b></p>	<p>11-14 V</p> <p>11-14 V</p>	Open circuit in wiring
1.1		<p>With selection program:</p>  <p>W/o selection program: (AUS), (J), (USA)</p> 	Increase engine speed	Voltage must drop approx. 200/min before governed speed reached	Replace fuel pump relay
2.0	Kickdown switch	<p>With selection program:</p>  <p>W/o selection program: (AUS), (J), (USA)</p> 	<p>Ignition: <b>OFF</b> Kickdown switch (S16/6 or S16/7) <b>operated</b></p> <p>Kickdown switch (S16/6 or S16/7) <b>not operated</b></p>	<p>&lt; 1 Ω</p> <p>∞</p>	Replace kickdown switch

Test step	Test scope	Tester/ Test connection	Operation/ Requirement	Specifi- cation/ Function	Possible cause/Remedy
2.1	Selector mode switch (S16/5) except (AUS), (J), (USA)		Ignition: <b>OFF</b> Selector mode switch: in position "E"  in position "S"	< 1 Ω  ∞	Selector mode switch (S16/5)
3.0	Solenoid valve (Y3)		Unplug coupling from solenoid valve (Y3). Operate kick-down switch by hand.	11-14 V	Open circuit in wiring
4.0	Second mode switchover valve (Y4)		Coupling disconnected from switchover valve (Y4). Operate kick-down switch by hand. Selector mode switch (S16/5) in position "E"	11-14 V	Open circuit in wiring S16/7, Fuel pump relay (up to 09/85)

#### Location of kickdown valve (Y3)



Y3 Kickdown valve, automatic transmission

P27-5151-13