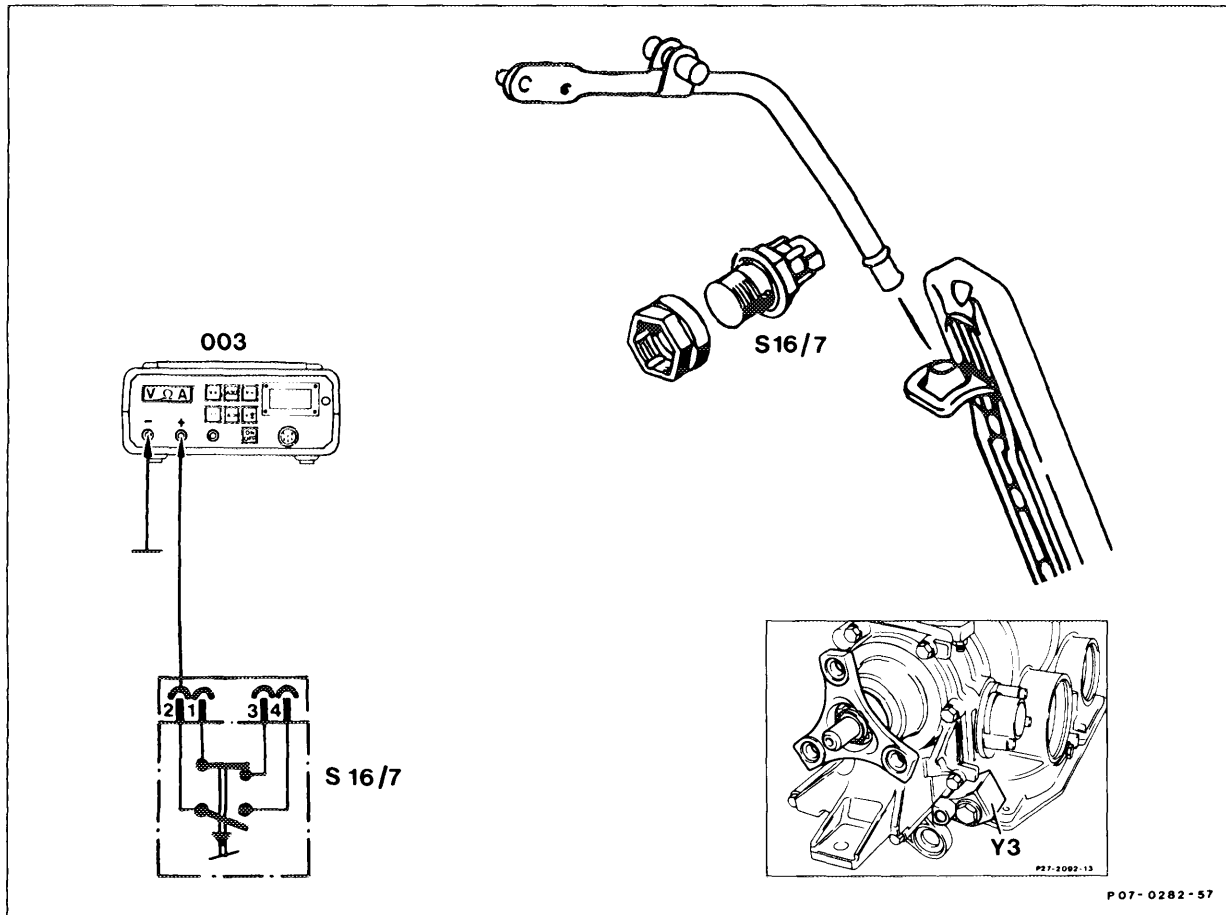








# 07.3-167 Checking kickdown switch





















S16/7 Kickdown switch/transmission mode  
Y3 Kickdown valve (automatic transmission)

003 Multimeter

## Testing

	Multimeter
	Jack
	Plug
	Ground
	Multimeter resistance measuring mode
	Multimeter DC voltage measuring mode

Impulse period display	Test step/ Scope of test	Measuring device/ Test connection	Actuation/ Requirement	Set value/ Function	Possible cause/Remedy
-	1.0 Checking kickdown shutoff <sup>1)</sup>	S16/7 2     S16/7 2    4	Ignition: <b>ON</b> Coupling S16/7 pulled off	11–14 V  11–14 V	Wiring  Wiring.
-	1.1 Wiring	X26 9    X49/2 7	Ignition: <b>OFF</b> Coupling X26, X49/2 pulled off.	< 1 Ω	Open circuit.
-	1.2 Wiring	X49/2 7    S16/7 2	Ignition: <b>OFF</b> Coupling X49/2, S16/7 pulled off.	< 1 Ω	Open circuit.
-	1.3 Wiring	S16/7 4    Y3	Ignition: <b>OFF</b> Coupling S16/7, Y3 pulled off.	< 1 Ω	Open circuit.
-	1.4 Wiring	S16/7 4    S16/8 1	Ignition: <b>OFF</b> Coupling S16/7, S16/8 pulled off.	< 1 Ω	Open circuit.

<sup>1)</sup> Vehicles without 2nd driving program 2-pole kickdown switch (voltage measurement jack 1 to ground).

Impulse period display	Test step/ Scope of test	Measuring device/ Test connection	Actuation/ Requirement	Set value/ Function	Possible cause/Remedy
-	2.0 Checking kickdown shutoff (S16/7)		Ignition: <b>OFF</b> Coupling S16/7 pulled off.  Kickdown switch <b>actuated</b>  <b>Not actuated</b>	  $< 1 \Omega$  $\infty$	Renew kickdown switch (S16/7).
-	3.0 Checking solenoid valve (Y3)		Ignition: <b>ON</b> <b>Actuate S16/7</b>	11-14 V	Renew wiring, solenoid valve (Y3).
-	3.1 Wiring		Ignition: <b>OFF</b> Coupling Y3, S16/7 pulled off	$< 1 \Omega$	Open circuit.

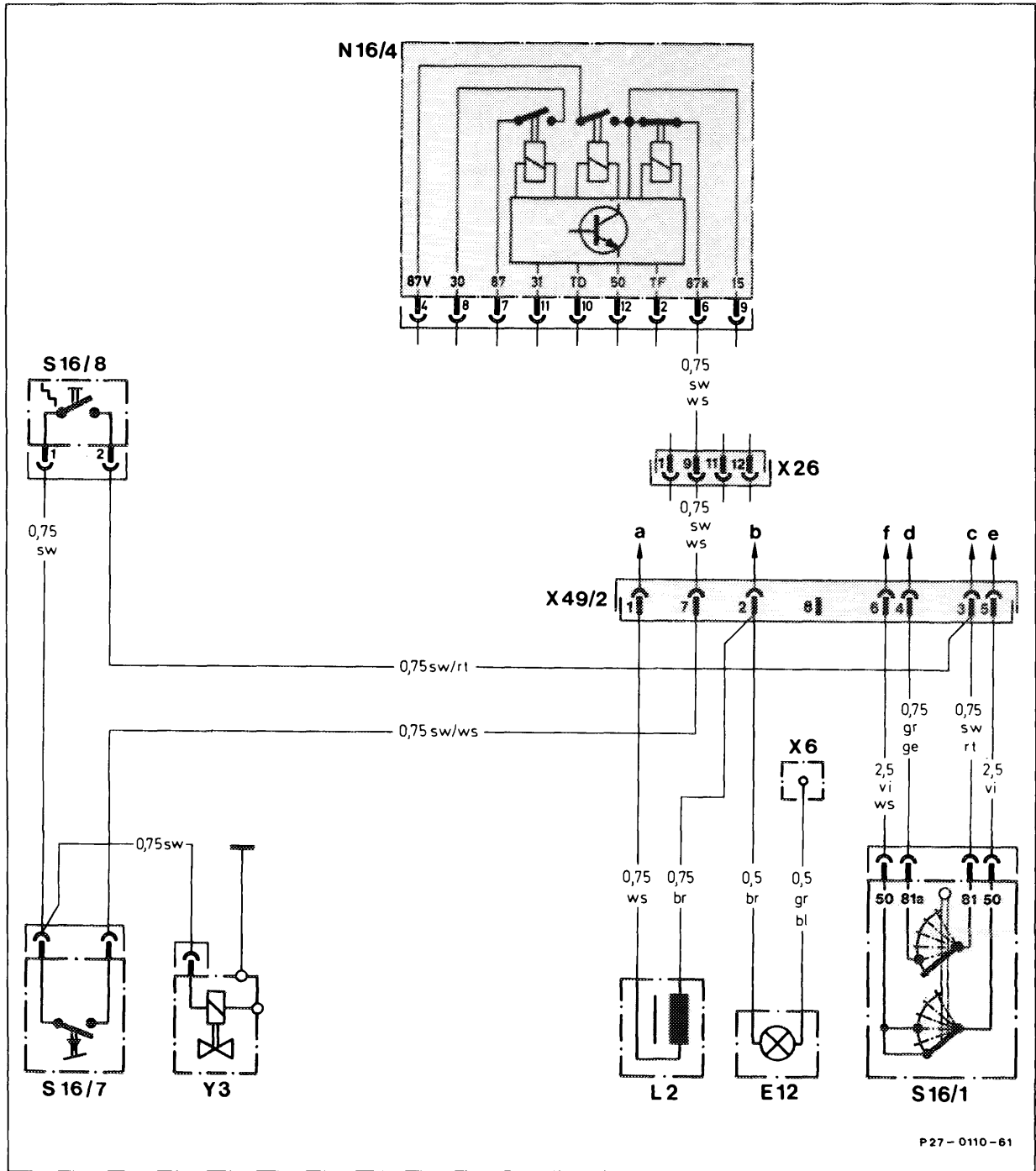
### Special tool



### Commercially available tool

Multimeter

e.g. Sun, DMM-5



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## Wiring diagram kickdown shutoff "B"-circuit models 107, 126

E12	Shift pattern illumination	X49/2	Connector, backup lamp/starter lock-out switch
L2	Vehicle speed sensor	Y3	Kickdown valve (automatic transmission)
N16/4	Fuel pump relay with kickdown cut-out	a	Speedometer
S16/1	Starter lock-out/backup lamp switch	b	W1 Main ground behind instrument cluster
S16/7	Kickdown switch/transmission mode	c	Fuse terminal 15
S16/8	"B" engagement switch	d	Back-up light
X6	Terminal block, terminal 58d (2-pole)	e	Ignition starter switch
X26	Connector, interior/engine	f	Starter