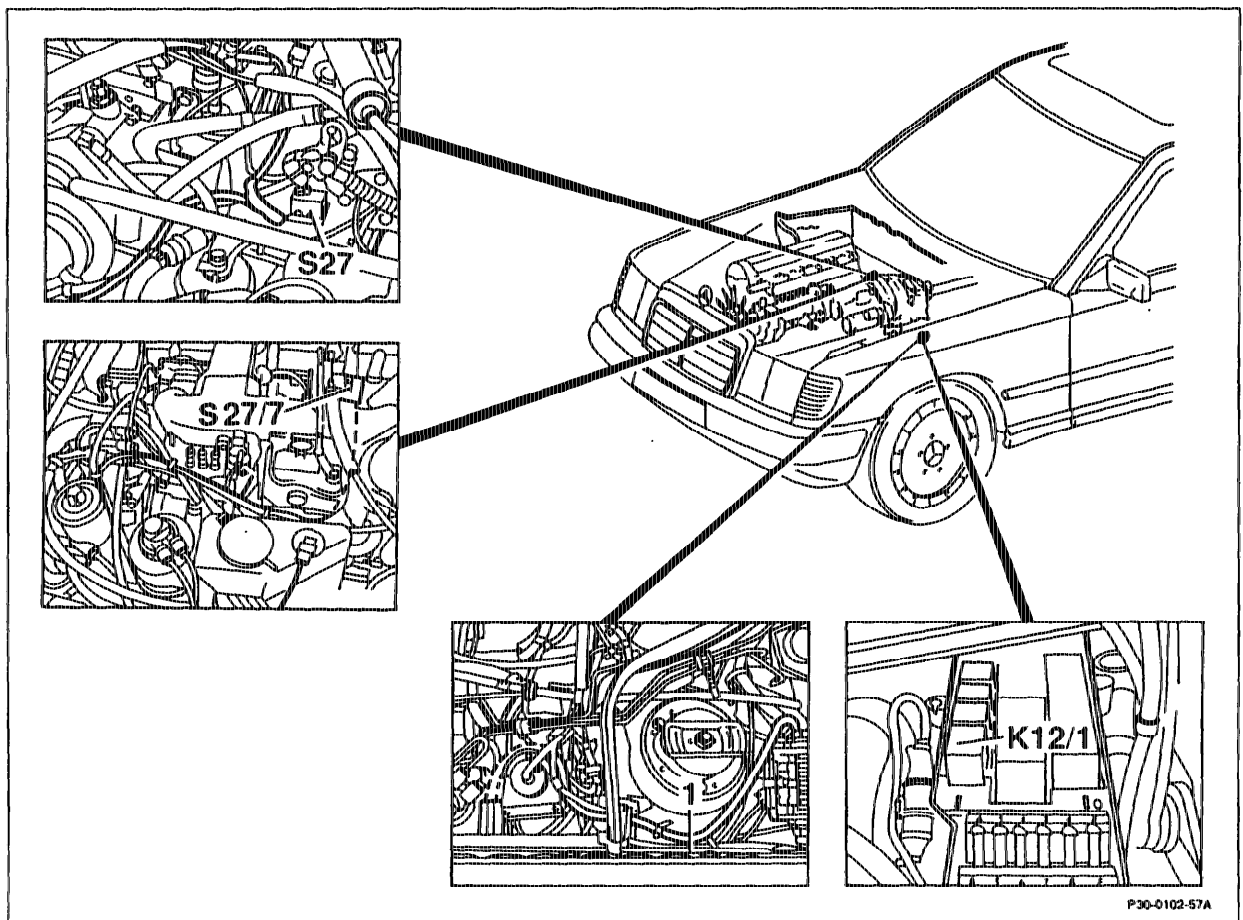


30-0405 Retrofitting Charge Pressure Shut-off Relay

Preceding work:

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

- A. Scope of work Model 124
- B. Scope of work Model 201
- C. Cable harnesses and wiring diagrams
- D. Parts



1 Cable harness
K12/1 Relay, cruise control/charge air cutoff

S27 A/C compressor/charge pressure shut-off microswitch
S27/7 Microswitch, charge pressure shut-off

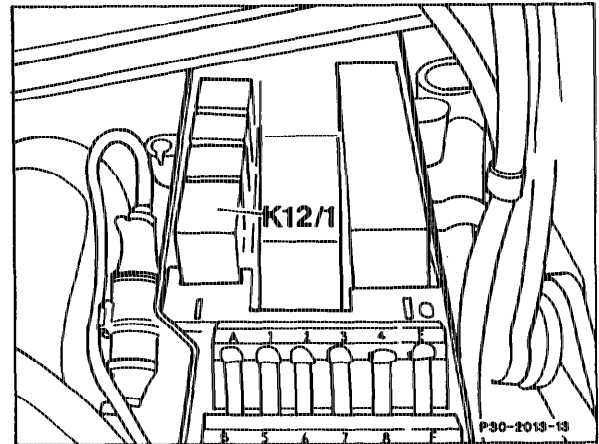
A relay can be retrofitted to prevent part throttle jerking with Tempomat. The following parts are to be checked before installation:

- Control Linkage 30–300
- Cable harness connector of microswitch

Detach charge pressure shut-off (S27 or S27/7) and perform a test drive (with Tempomat operating). If the part throttle jerking is eliminated by this, a relay circuit, which renders the charge pressure shut-off inoperative during Tempomat operation, must be installed.

A. Scope of work Model 124

- 1 Produce cable harness according to Section C.
- 2 Disconnect ground cable at battery.
- 3 Remove fuse and relay box cover.
- 4 Detach fuse carrier and clip out relay bracket.
- 5 Pull ends of cable harness with the 4 jacks through the rubber grommet on the right side in the fuse and relay box. Then fit 6-pin connector on cable harness (assignment refer to Section C).



K12/1 Relay, cruise control/charge air cutoff

6 Clip 6-pin connector into the relay holder of the fuse and relay box (Field E).

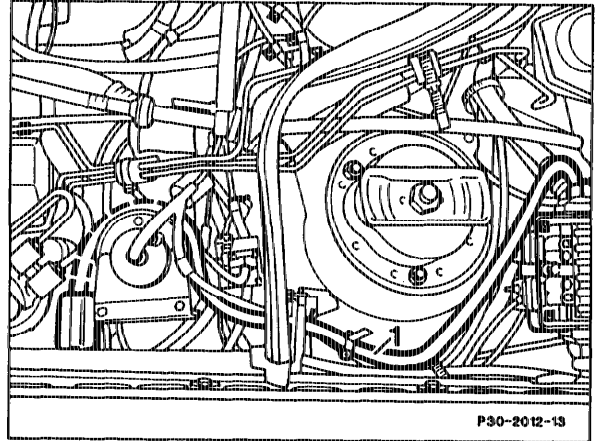
7 Assemble relay holder and install relay.

8 Fit fuse and relay box cover.

9 Route cable harness on the left wheelhouse for plug connection of Tempomat actuator.

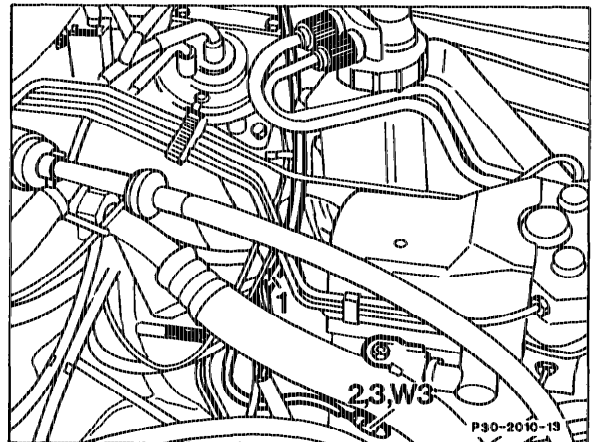
10 Install 8-pin adapter plug of the cable harness between the plug connector of the Tempomat actuator.

1 Cable harness



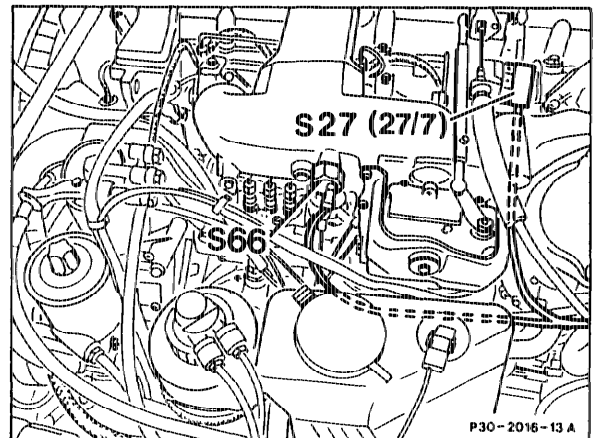
11 Route ground cable to the ground point (W3) and screw on.

- 1 Cable harness
- 2 Bolt M6 x 16
- 3 Washer A 6.4
- W3 Ground, left front wheelhouse (at ignition coil)



12 Route cable with jack on actuator cable harness along to switch (S27 or S27/7) on vehicles with refrigerant compressor and fasten.

- Location of switch S27 or S27/7 on Engine 602
- 1 Cable harness

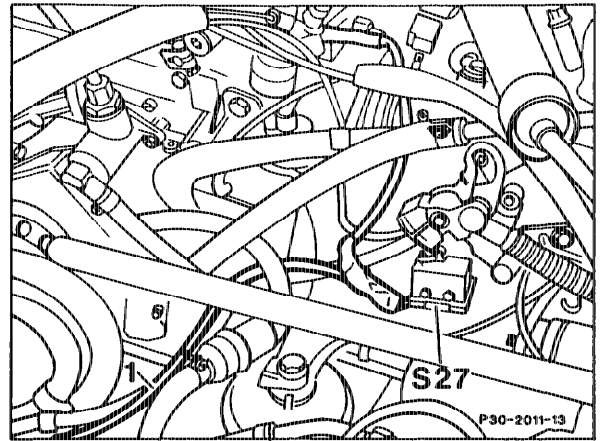


13 On vehicles without refrigerant compressor, take ground cable (assignment 29) out of the connector for the switch (S27/7), pinch off jack and tie back cable. Then insert the ground cable in assignment 2 of the new cable harness.

14 On vehicles with refrigerant compressor, remove ground bridge in the connector for switch (S27), insert remaining ground cable in assignment 5. Then insert the ground cable in assignment 4 of the new cable harness.

15 Connect ground cable to battery.

16 Carry out test drive.



Location of switches (S27 or S27/7) on Engine 603
1 Cable harness

B. Scope of work Model 201

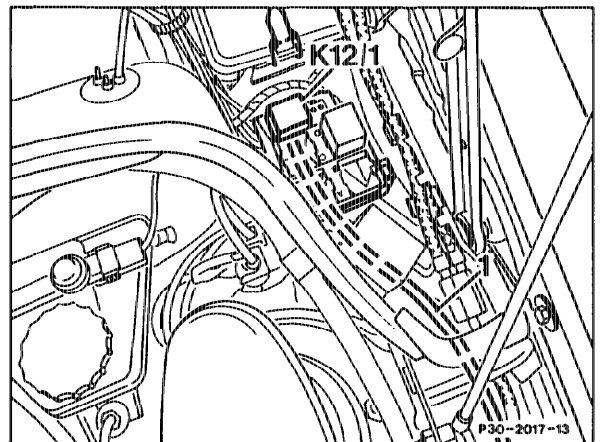
1 Produce cable harness according to Section C.

2 Disconnect ground cable from battery.

3 Remove cover from supplementary relay and fuse box and detach relay holder.

4 Clip in 12-pin connector of cable harness in the relay holder and fasten relay holder.

5 Press relay on the 12-pin connector and re-assemble cover to the supplementary relay and fuse box.

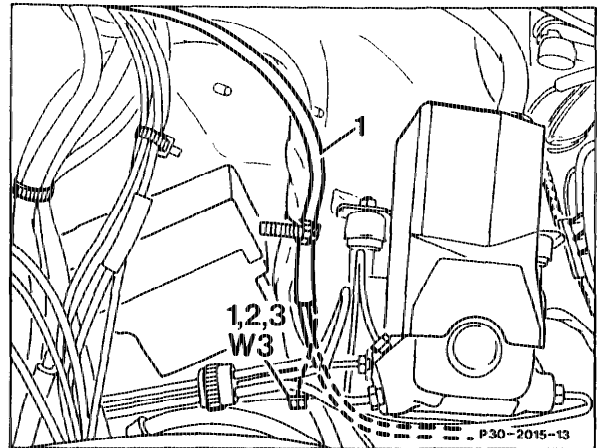


1 Cable harness
K12/1 Relay, cruise control/charge air cutoff

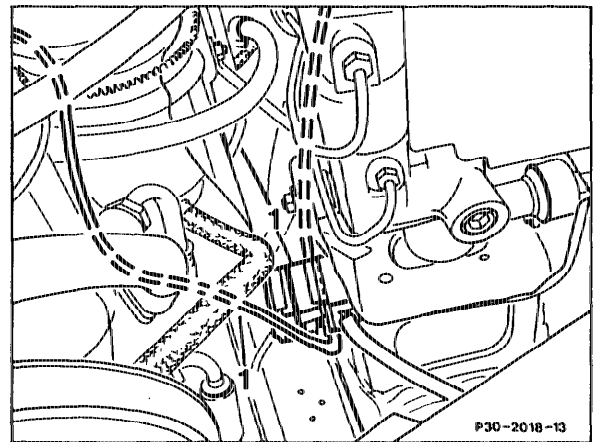
6 Route cable harness to the ground point (W3) on left wheelhouse.

7 Screw ground cable onto the ground point (W3).

- 1 Cable harness
- 2 Bolt M6 x 16
- 3 Washer A 6.4
- 4 Nut M6
- W3 Ground, left front wheelhouse (at ignition coil)



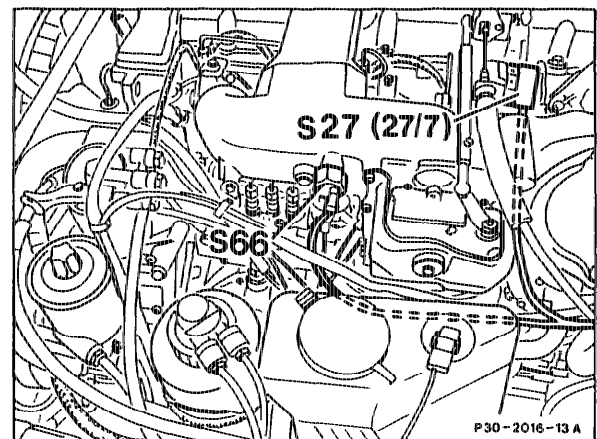
8 Route cable harness further to the plug connector of the Tempomat actuator and assemble 8-pin adapter plug between the plug connector of Tempomat actuator.



1 Cable harness

9 Route cable with jack on the actuator cable harness along to the switch (S27 or S27/7) on vehicles with refrigerant compressor and fasten.

10 On vehicles without refrigerant compressor, take ground cable (assignment 2) out of the connector for the switch (S27/7), pinch off jack and tie back cable. Then insert the ground cable in assignment 2.



Location of switch (S27 or S27/7)

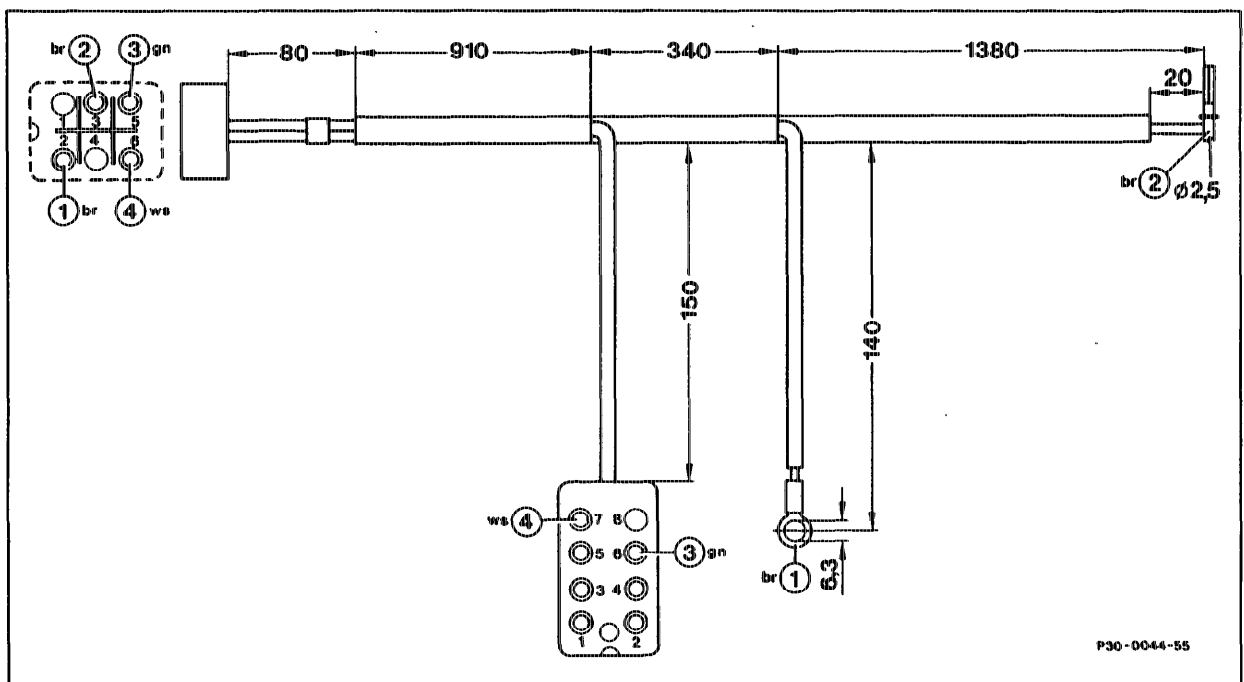
1 Cable harness

11 On vehicles with refrigerant compressor, remove ground bridge in the connector for switch (S27), insert remaining ground cable in assignment 5. Then insert the ground cable in assignment 4 of the new cable harness.

12 Connect ground cable to battery.

13 Carry out test drive.

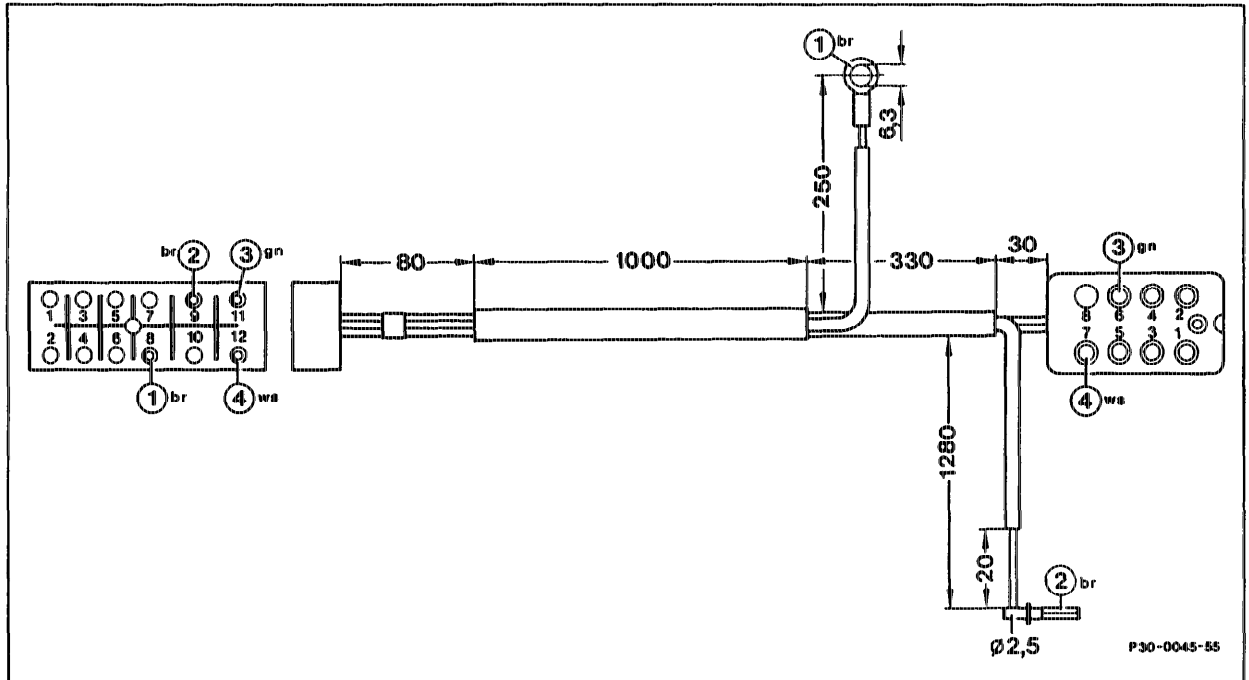
C. Cable harnesses and wiring diagrams



Cable harness of Model 124

Note

Only assemble 6-pin connector once the cable harness is routed into the relay and fuse box.
In addition, the loose plug jacks are to be inserted in assignments 1 to 5 on the 8-pin adapter plug.



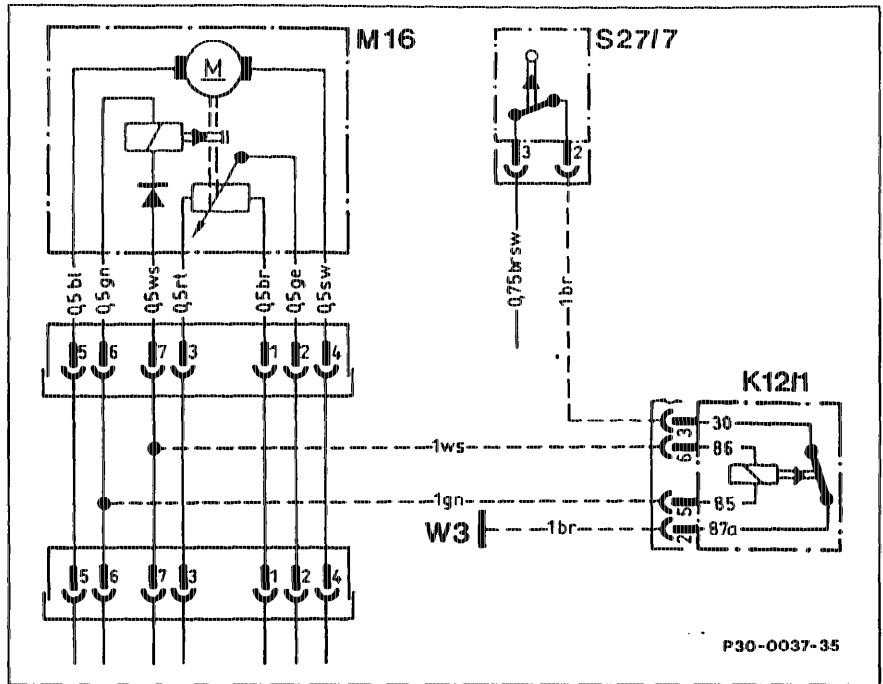
Cable harness for Model 201

Note

The loose plug jacks are to be inserted in assignments 1 to 5 on the 8-pin adapter plug.

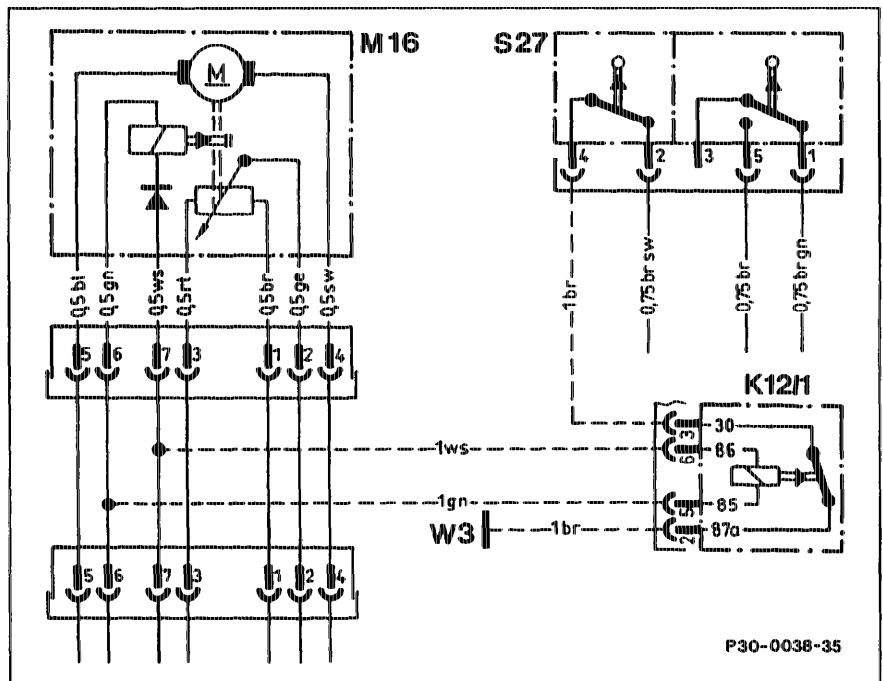
Wiring diagram Model 124 (vehicles without refrigerant compressor)

- K12/1 Relay, cruise control/charge air cutoff
- M16 Cruise control actuator
- S27/7 Microswitch charge pressure shut-off
- W3 Ground, left front wheelhouse (at ignition coil)



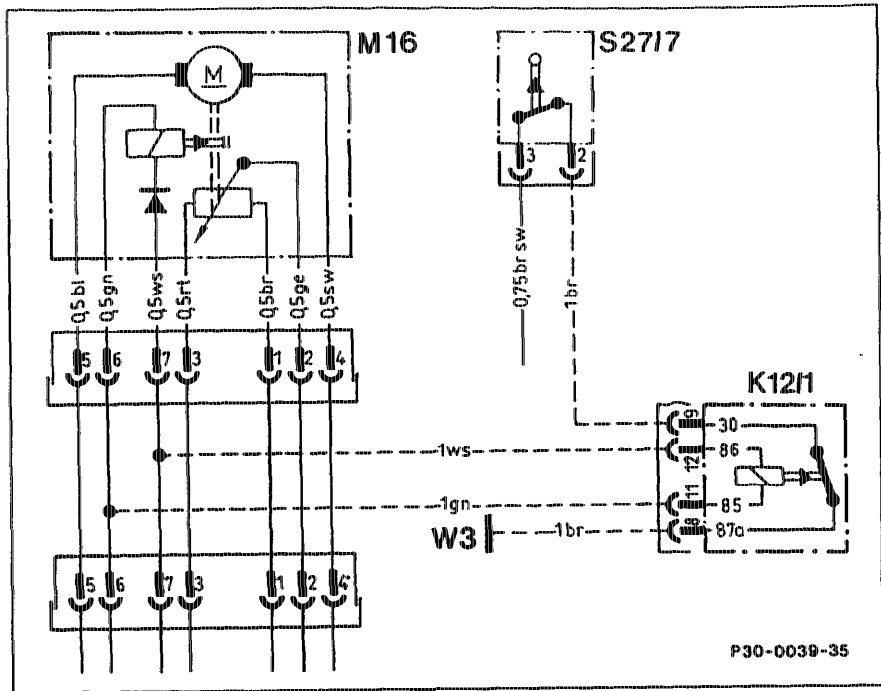
Wiring diagram Model 124 (vehicles with refrigerant compressor)

- K12/1 Relay, cruise control/charge air cutoff
- M16 Cruise control actuator
- S27 Microswitch compressor shut-off/charge pressure shut-off
- W3 Ground, left front wheelhouse (at ignition coil)



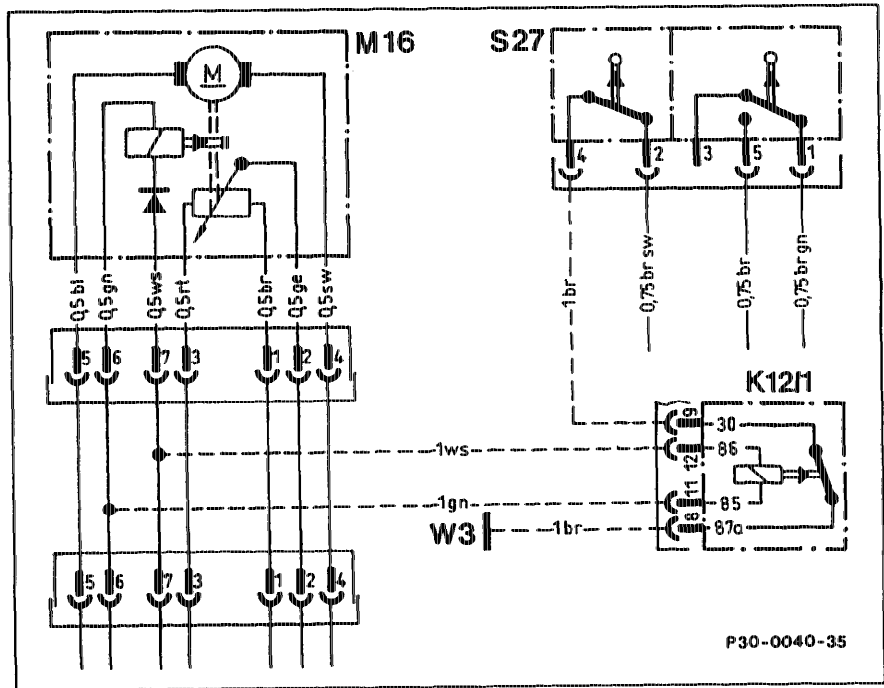
Wiring diagram Model 201 (vehicles without refrigerant compressor)

- K12/1 Relay, cruise control/charge air cutoff
- M16 Cruise control actuator
- S27/7 Microswitch charge pressure shut-off
- W3 Ground, left front wheelhouse (at ignition coil)



Wiring diagram Model 201 (vehicles with refrigerant compressor)

- K12/1 Relay, cruise control/charge air cutoff
- M16 Cruise control actuator
- S27 Microswitch compressor shut-off/charge pressure shut-off
- W3 Ground, left front wheelhouse (at ignition coil)



D. Parts

Quantity	Designation	Part No.
1	Relay	001 542 61 19
1	Connector housing – 8 off	009 545 76 28
1	Cover	009 545 77 28
1	Connector housing – 6 off (Model 124)	126 545 01 28
1	Connector housing – 12 off (Model 201)	126 545 23 28
7	Plug jacks Ø 4 mm	010 545 52 28
4	Jack Ø 4 mm	003 545 26 26
1	Jack Ø 2.5 mm	002 545 99 26
1	Bolt M6 × 16	000 965 00 60 15
1	Washer A 6.4	000 125 00 64 21
1	Nut M6 (201 only)	000 934 00 60 13
1	Cable lug Ø 6.3 mm	--
2m	Cable 1 mm ² green	--
2m	Cable 1 mm ² white	--
5m	Cable 1 mm ² brown (124)	--
6m	Cable 1 mm ² brown (201)	--