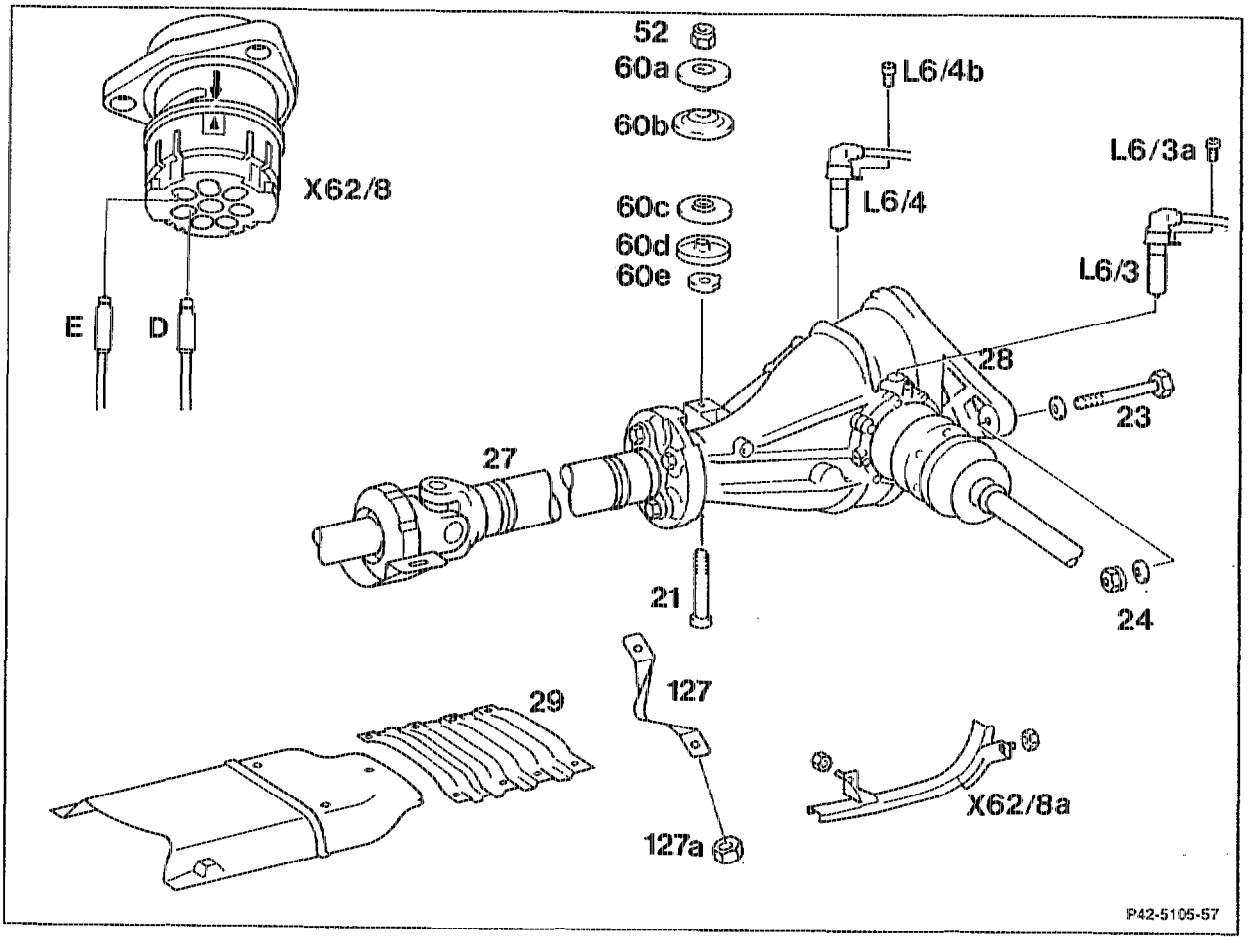
42-0820 Removal and installation of left or right rear axle speed sensors (L6/3, L6/4)

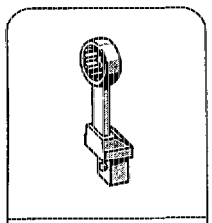
Operation no. of operation texts and work units or standard texts and flat rates



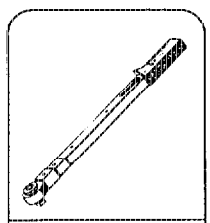
Cable guide rail (X62/8a)	detach, install at rear axle support. Do not subject cable to tension (item 1)
Rear axle centerpiece assembly (28)	support with vehicle jack (item 2). Unscrew self-locking nuts (24). Unscrew bolt (23) slightly rearwards. When installing, replace self-locking nut (24), 95 Nm (item 3). Ring wrench insertion tool 129 589 01 03 00, torque wrench 001 589 66 21 00.

Hexagon socket screw (21)	unscrew, screw in. When installing, ensure correct sequence of suspension points. Replace self-locking nut (52), 45 Nm.
Rear axle centerpiece assembly (28)	lower with propeller shaft, until the propeller shaft contacts the tunnel closing panel (29) or retaining bracket for seat belt fixing (27), (item 7).
Self-locking hexagon socket screws (L6/3a, L6/4b).	unscrew, screw in. Withdraw left or right wheel speed sensor (L6/3 or L6/4) (refer to notes on wheel speed sensors) vertically upwards. Do not subject cables of the left or right wheel speed sensors (L6/3 or L6/4) to tension. When installing ensure cleanliness of magnetic edges on the wheel speed sensors (L6/3 or L6/4). Replace self-locking hexagon socket screws and O-rings, 8 Nm (item 6).
Cover	of plug connection, rear axle distributor (X62/8) remove, install.
Plug connection, rear axle distributor (X62/8) . . .	detach, assemble.
Plugs (E and D)	remove, install. When installing, note plug assignment.
ASR electrics/electronics test program	perform (42-0822 or Diagnosis Manual - Chassis).
Models 124.034/36, 129.067/076, 140	
Fault memory	readout and erase in accordance with Diagnosis Manual - Chassis).

Special tools



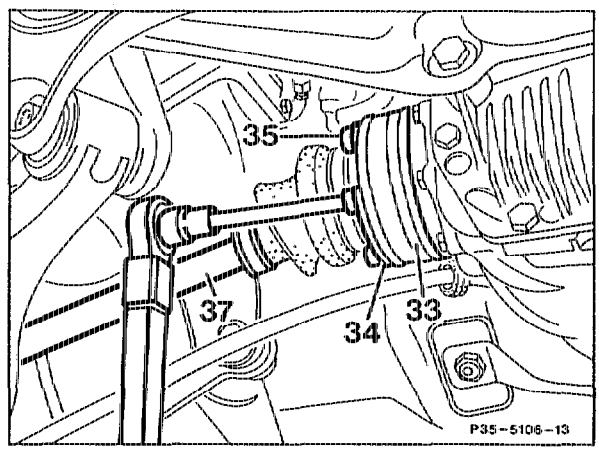
129 589 01 03 00
35



001 589 66 21 00
00

Removal, installation

1 Unscrew self-locking nuts (arrows). Remove cable guide rail (X68/8b).

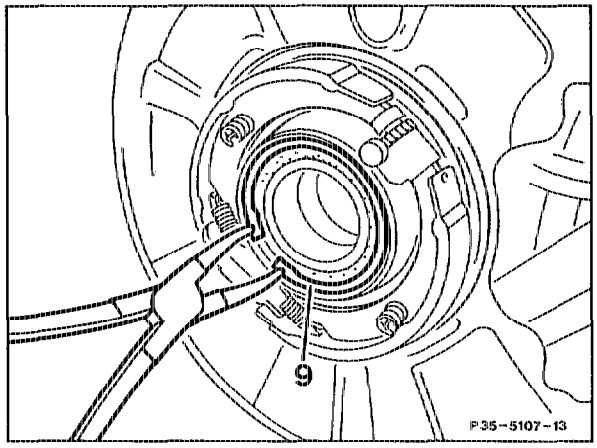


2 Raise rear axle centerpiece assembly (28) using vehicle jack or pit lift.

3 Unscrew self-locking nut (24). Unscrew the screw (23) slightly to the rear.

Installation note

Renew self-locking nut (24), 95 Nm.
Ring wrench insertion tool, 129 589 01 03 00
Torque wrench 001 589 66 21 00.

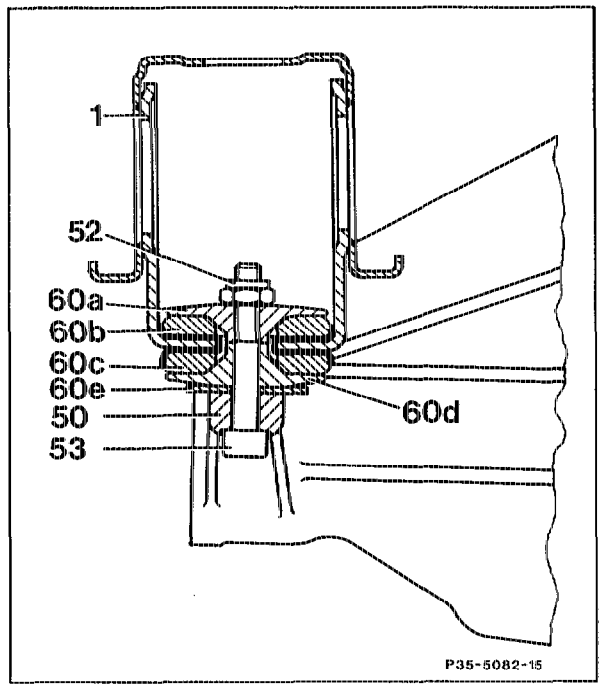


4 Unscrew hexagon socket screw (53) and remove with the suspension parts (60a, 60b, 60c, 60d and 60e).

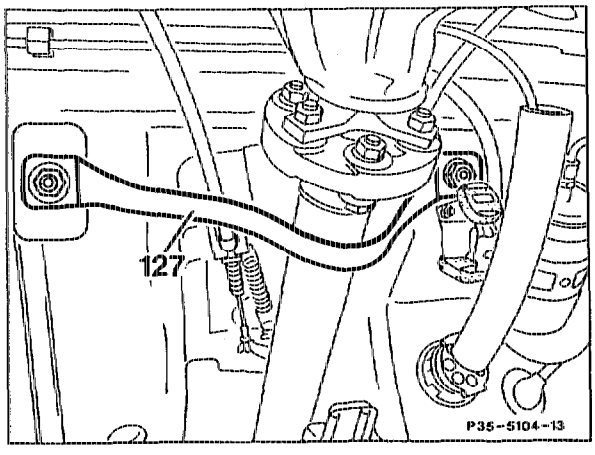
Installation note

Ensure correct sequence of suspension parts.
Renew self-locking hexagon nut (52), 45 Nm.
Torque wrench 001 589 66 21 00.

1 Rear axle support
52 Self-locking hexagon nut
60a Plate (upper)
60b Rubber mount (upper)
60c Rubber mount (lower)
60d Plate (lower)
60e Shim
50 Centerpiece
53 Hexagon socket screw

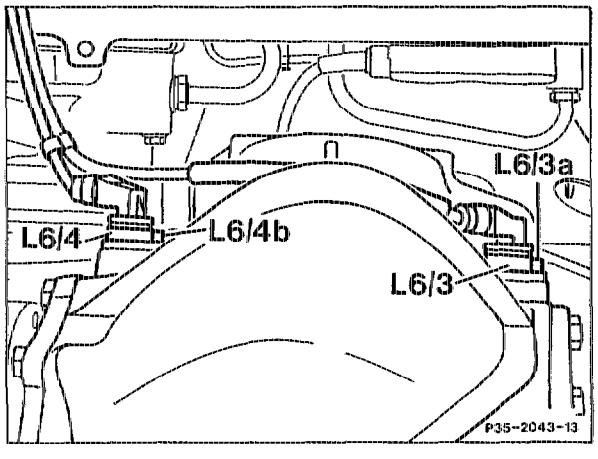


Lower rear centerpiece assembly (28) with propeller shaft until the propeller shaft contacts the tunnel closing panel (29) or retaining bracket for safety belt fixing (127).



6 Unscrew self-locking hexagon socket screws (L6/3a, L6/3b).
Withdraw left or right wheel speed sensor (L6/3 or L6/4) vertically upwards, do not subject cables of the left or right wheel speed sensors (L6/3 or L6/4) to tension.

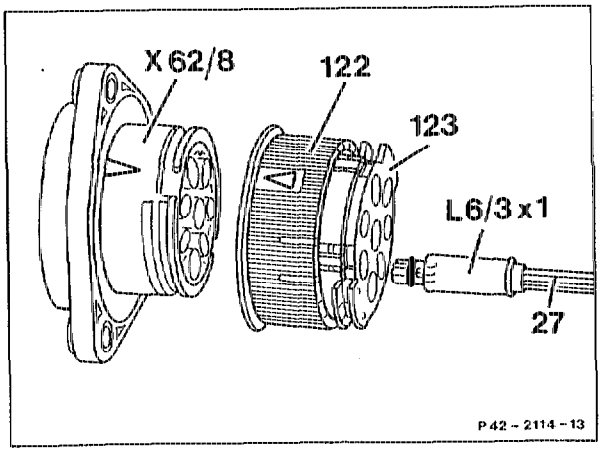
Installation note
Replace self-locking hexagon socket screws and O-ring.
Ensure cleanliness of the magnetic edges on the left or right wheel speed sensors (L6/3 or L6/4).
The shims on the contact surface of the left or right wheel speed sensors (L6/3 or L6/4) on the rear axle housing must not be mislaid or transposed.



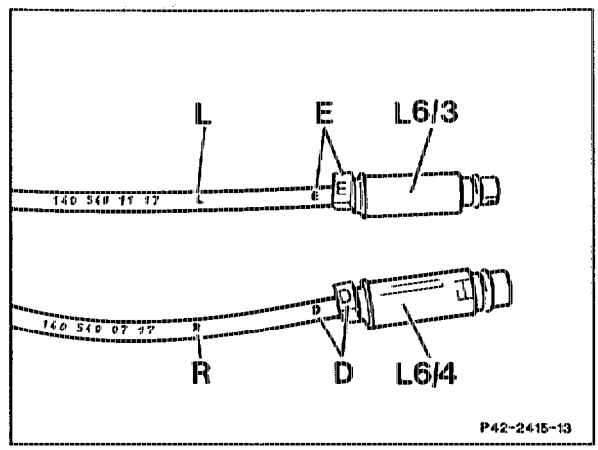
7 Remove cover from plug connection, rear axle distributor (X62/8).

8 Turn bayonet fitting (122) on the plug connection, rear axle distributor (X62/8) and separate.

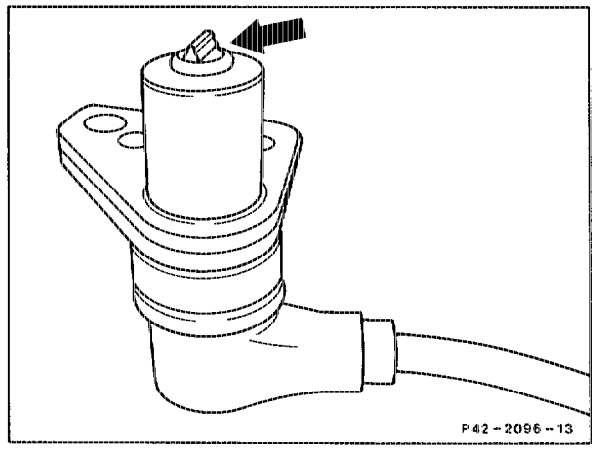
Loosen cover (123) by one notch.
Remove plug (L6/3x1) (E and D).



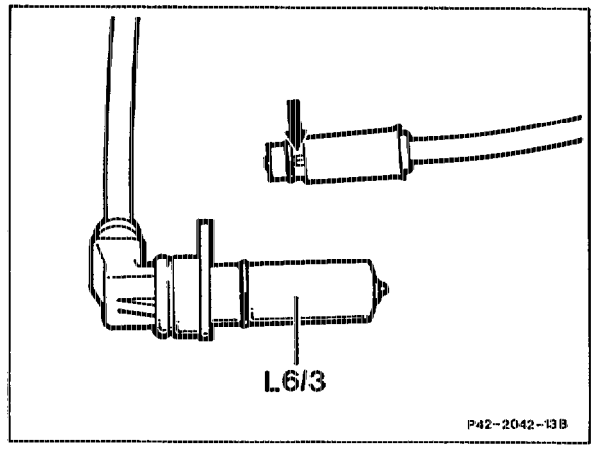
Installation note
Note plug marking.



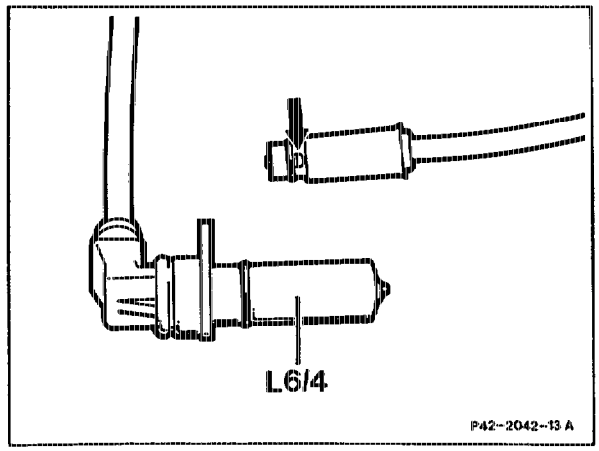
Notes on wheel speed sensors
Models 124 and 201
The 2 wheel speed sensors on the front axle can be recognized by the single-edged tip (arrow) and at the long cable with co-axial plug (as on vehicles with ABS).



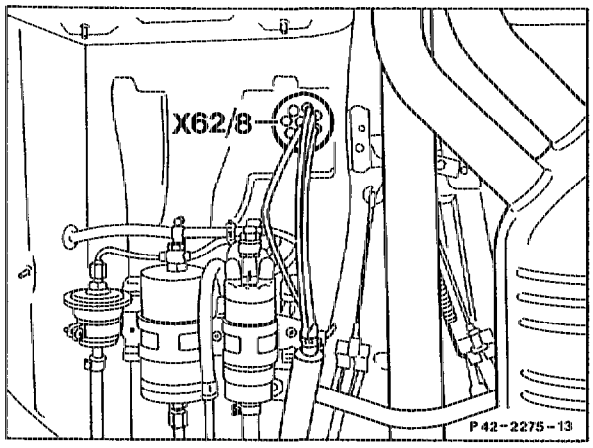
The left rear axle speed sensor (L6/3) is marked with "E" on the plug (arrow).



The right rear axle speed sensor (L6/4) is marked with "D" on the plug (arrow).

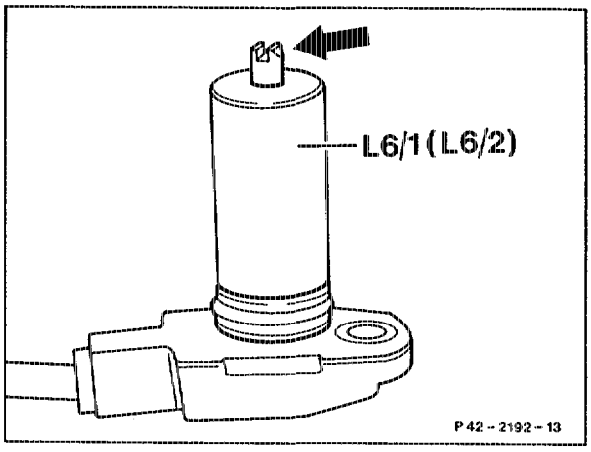


The plugs "D" and "E" of the wheel speed sensors are plugged into the plug connection, rear axle distributor (X62/8).

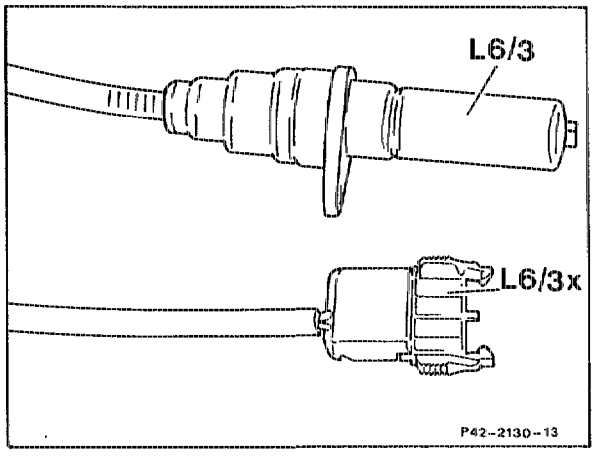


Model 126

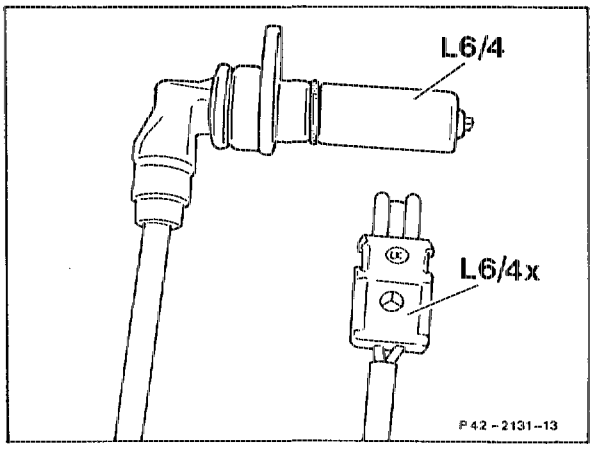
The 2 wheel speed sensors on the front axle (L6/1 and L6/2) can be recognized by the double-edged tip (arrow) and by the long cable with co-axial plug (as on vehicles with ABS).



The left rear axle wheel speed sensor (L6/3) is a straight design. The cable has a connector as plug connection (L6/3x).

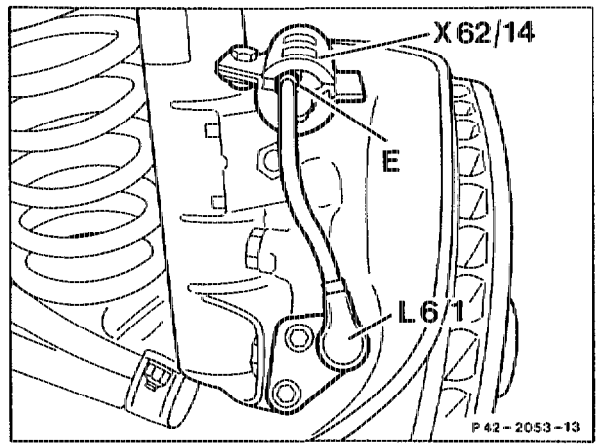


The right rear axle speed sensor (L6/4) is an angled design. The cable has a plug as a plug connection (L6/4x).

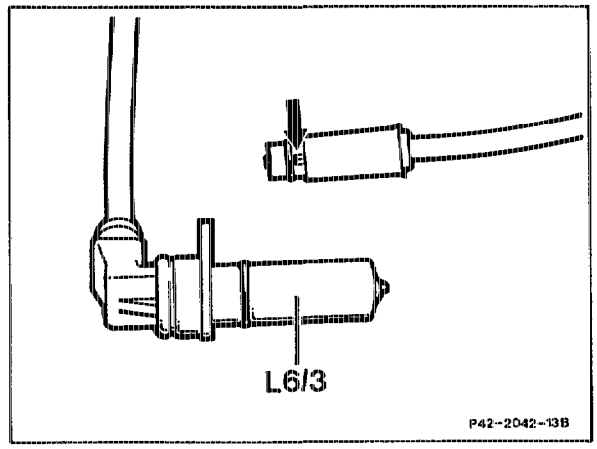


Model 129

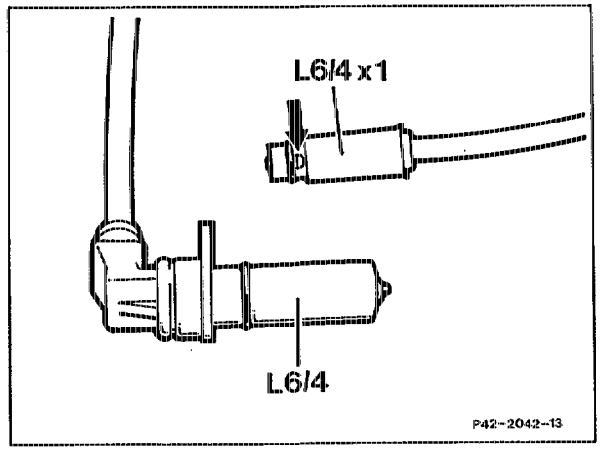
The 2 wheel speed sensors (L6/1, L6/2) on the front axle can be recognized by the single-edged tip (refer to model 124) and by the short cable (approx. 150 mm), which leads into the plug connections (X62/14 or X62/15) on the steering knuckle.



The left rear axle speed sensor (L6/3) is an angled design. The plug (L6/4x1) is marked with the letter "E" (arrow).



The right rear axle speed sensor (L6/4) is an angled design. The plug is marked with the letter "D" (arrow).



The plugs (D and E) of the wheel speed sensors are plugged into the plug connection, rear axle distributor (X62/8) in the openings (X62/8) marked with "D" and "E".