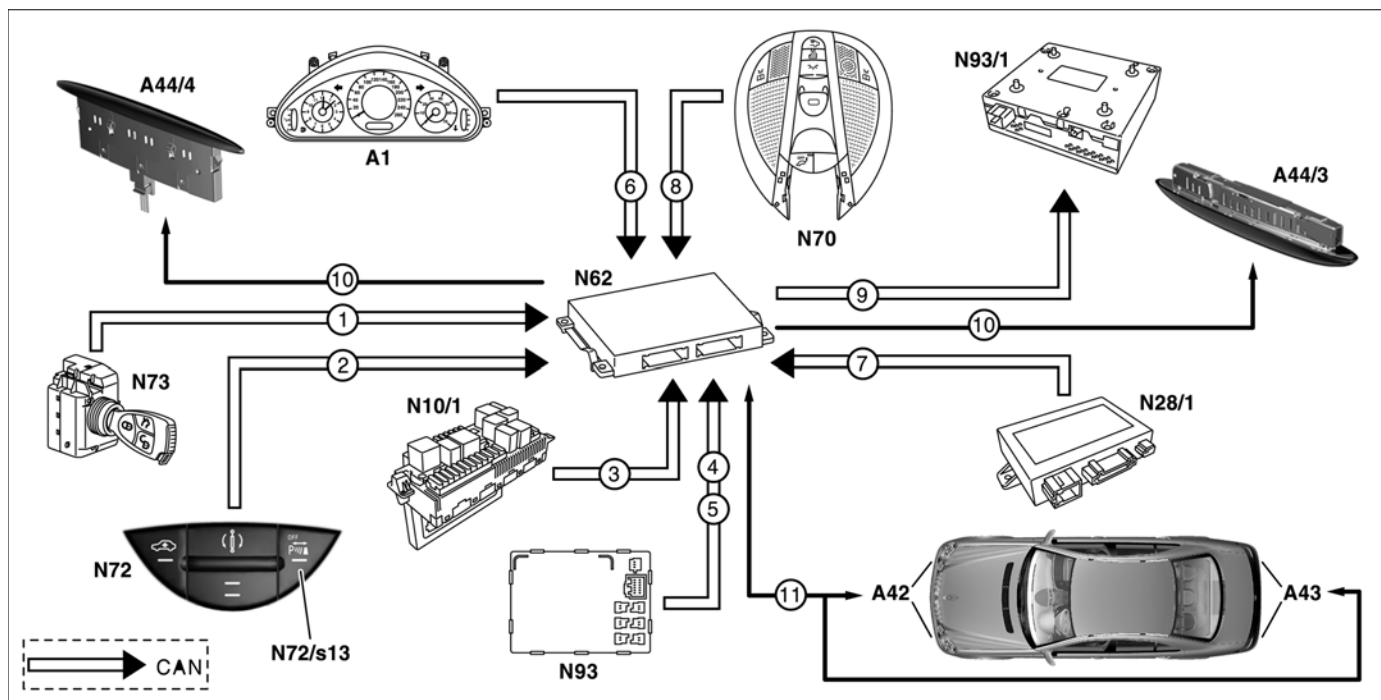


MODEL 211.0 /2 with CODE (220a) Parktronic System (PTS)



P54.65-2492-09

Shown on model 211.0

Data flow

- 1 Terminal 15
- 2 Parktronic On/Off
- 3 Status of parking brake
- 4 Selector lever position
- 5 Wheel pulses and direction of rotation, front left
- 6 Vehicle speed signal
- 7 Trailer recognition
- 8 Day/night recognition
- 9 Mute signal
- 10 Warning indicator, warning sound
- 11 Obstacle detection

Components.

- A1 Instrument cluster
- A42 Front bumper PTS sensor unit
- A43 Rear bumper PTS sensor unit
- A44/3 PTS warning display, rear
- A44/4 PTS warning indicator, center of dashboard
- N10/1 Driver-side SAM control unit with fuse and relay module

- N28/1 Trailer connection unit [AAG] control unit (with code (550) trailer hitch)
- N62 PTS control unit
- N70 Overhead control panel control unit
- N72 Lower control field control unit
- N72s13 PTS OFF switch
- N73 DI control unit
- N93 Central gateway control unit
- N93/1 Audio gateway control unit

CAN CAN Class B

Overall description

The Parktronic system (PTS) is an electronic parking assist. It assists the driver in estimating the distances to obstacles in front of and behind the vehicle, particularly in blind spots.

When the vehicle is moving forwards the Parktronic system (PTS) only monitors the front of the vehicle.

When the vehicle is moving backwards the Parktronic system (PTS) monitors the back and front of the vehicle. Requirement:

- manual transmission or Sequentronic only when reverse gear is engaged.
- Automatic transmission or Tiptronic selector lever "N" or "R".

Function conditions

- Terminal 15 ON
- Parking brake not operated
- Selector lever (automatic) in drive mode D , N or R
- Vehicle speed ≤ 16 km/h

Function

The distance between the vehicle and obstacle is detected via the front bumper PTS sensor unit (A42) and rear bumper PTS sensor (A43) and passed on to the Parktronic control unit (N62).

The Parktronic control unit (N62) evaluates the signals and activates the center instrument panel PTS warning indicator (A44/4) or the Rear PTS warning indicator (A44/3).

One side of the warning indicator is assigned to each side of the bumper. The warning indicators warn the driver by means of both acoustic and visual signals.

The Parktronic system (PTS) is activated by switching on the ignition, a system self-test is carried out first.

Deactivation

- The system can be switched off or on manually via the PTS OFF switch (N72s13) in the lower control panel control unit (N72). Feedback is effected via an LED in the PTS OFF switch (N72s13).
- Speed-dependent cutout ($v \geq 18$ km/h).
- Cutout of rear components with trailer recognition (with code (550) trailer hitch).

Parktronic system (PTS), location of components	GF54.65-P-0001-02T
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	Self-test, function		GF54.65-P-2000T
	Forward travel, function		GF54.65-P-4000T
	Reversing, function		GF54.65-P-4001T