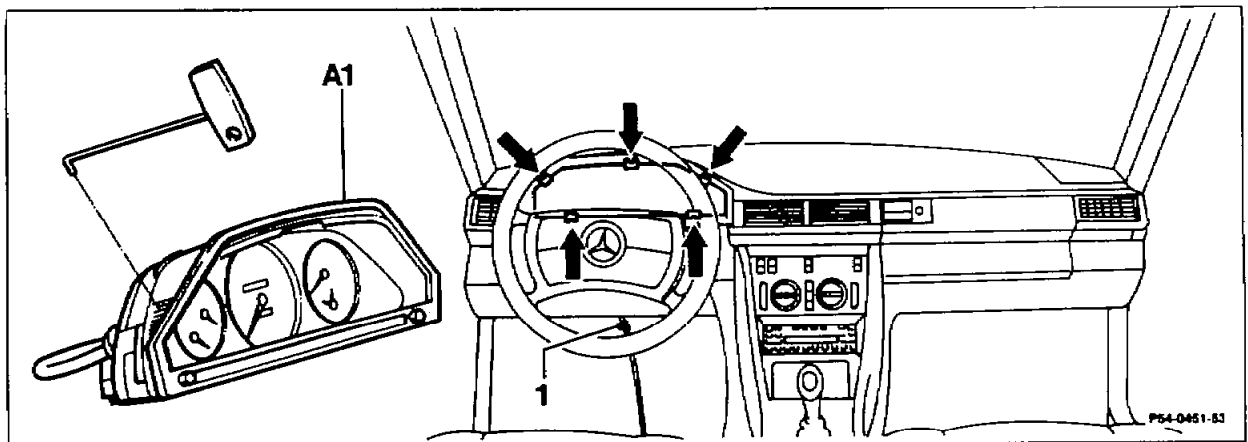


54-6015 Removing and installing instrument cluster

Preceding work:
Engine compartment panel removed (61-105).
Noise encapsulation removed (94-050).

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

A. Removal, Installation



Ground cable at battery	disconnect, connect.
Speedometer shaft at transmission	detach, attach (except models 124.034/036).

Speedometer shaft (1)	unclip at front cover over pedals from retaining clip (1), clip into place (except models 124.034/036).
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Note

This must be done without fail before removing the instrument cluster. Also even if instrument cluster is only withdrawn halfway, e. g. for replacing bulb.

The speedometer shaft must not be kinked or tensioned.



Protect steering column trim from damage, e. g. by using a cloth.

Instrument cluster (A1)	pull out with withdrawing hook 140 589 02 33 00. Carefully insert withdrawing hook with the curved face downward to the side between instrument cluster and instrument panel and turn through 90°. Carefully withdraw hook until it engages on the recess on the instrument cluster. The instrument cluster is held in place by five spring clips attached to the instrument panel (arrows).
Speedometer shaft at instrument cluster (A1) . . .	unscrew, screw on (except models 124.034/036).
Electrical connections	disconnect, connect.
Instrument cluster (A1)	remove, insert.

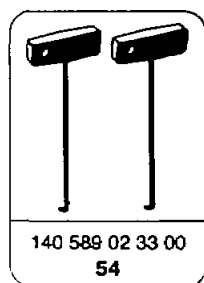


Up to 02/87

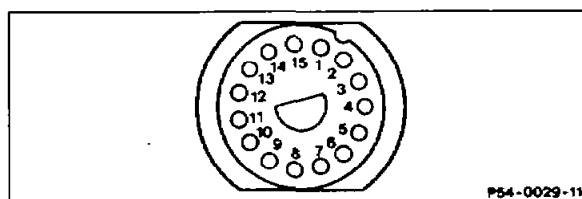
Push in instrument cluster and at the same time pull speedometer shaft from footwell so that the shaft does not kink behind the instrument cluster.

As of 03/87 a guide tube has been installed in the area below the instrument cluster to prevent the speedometer shaft from kinking.

Special tool



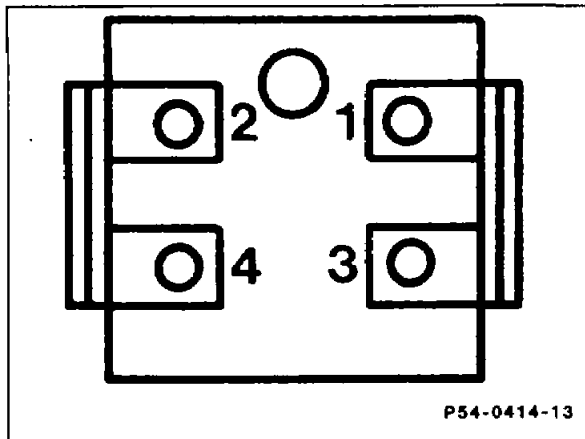
B. Assignment of 15-pin couplings of instrument cluster



Assignment of 15-pin coupling (half-round shape to prevent incorrect connection)

No.	Designation	Cable cross-section	Colour code
1	Ground W1	0.5	brown
2	Coolant temperature sensor	0.5	green
3	Fuel gauge sensor	0.5	blue/black
4	Fuel reserve gauge sensor	0.5	blue/green
5	Oil level indicator switch	0.5	brown/black
6	Fuse 5 terminal 15	0.75	black/red violet
7	Main beam indicator lamp	0.5	white
8	Fuse 6 terminal 15 unfused	0.5	pink/red
9	Charge indicator lamp terminal 61	0.5	blue
10	Left front brake pad wear indicator contact sensor	0.5	brown/red
10	Right front brake pad wear indicator contact sensor	0.5	brown/red
10	Rear brake pad wear indicator contact sensor (only with ASR)	0.75	brown/red
11	Brake fluid level indicator switch	0.5	brown/white
12	Coolant level indicator switch	0.5	brown/yellow
13	Lamp failure monitoring unit terminal K	0.5	grey/violet
13	Ashtray illumination	0.5	grey/violet
14	Left turnsignal indicator lamp	0.5	black/white
15	Right turnsignal indicator lamp	0.5	black/green

C. Assignment of 4-pin coupling of Instrument cluster



No.	Designation	Cable cross-section	Colour code
1	Windshield washer system level indicator switch	0.75	brown/blue
2	Terminal block terminal 58d	0.75	grey/blue
3	Warning buzzer contact (USA not assigned)	0.75	brown/yellow
4	Oil pressure gauge sensor	0.75	brown/green