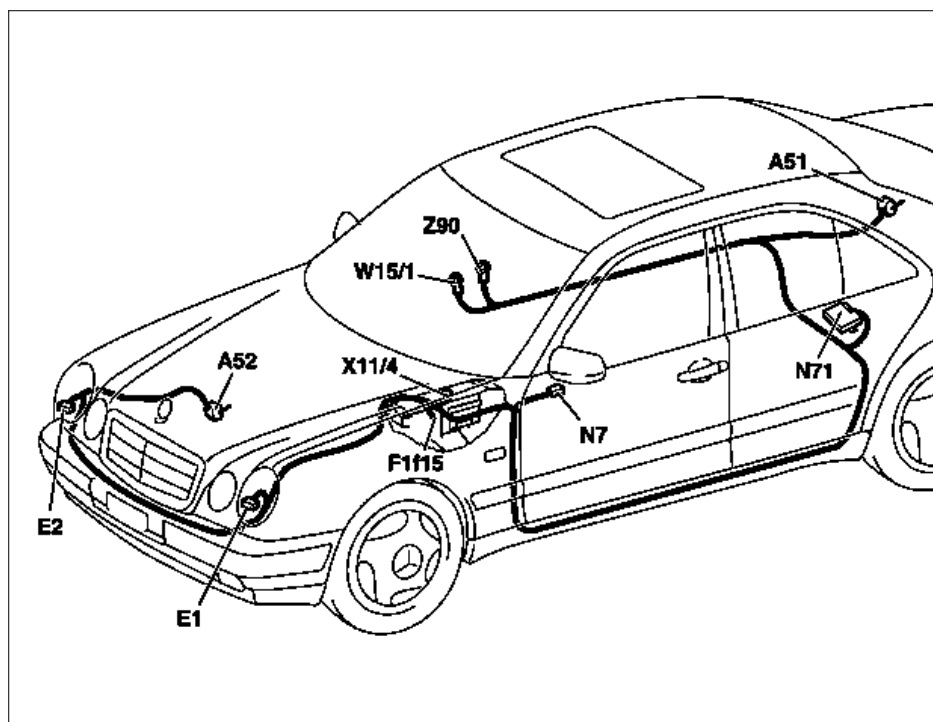












MODEL 210.### 1# as of 1.7.99










Illustrated on model 210 sedan

A51	Headlamp range adjustment rear axle sensor
A52	Front axle sensor (headlamp range adjustment)
E1	Left lamp unit
E2	Right lamp unit
F1f15	Fuse 15, circuit 15
N7	Light module
N71	Headlamp range adjustment control unit
W15/1	Ground (right footwell)
X11/4	Diagnostic data link connector
Z90	Rear axle rpm sensor connector sleeve



P82.10-2507-06

	Removal		
<p> Danger!</p>	<p>Risk of death caused by high voltage levels present at xenon headlamps. Risk of explosion/risk of fire due to highly flammable materials in the area of damaged xenon bulbs Risk of injury from UV light, hot components at xenon headlamps and glass splinters when xenon bulbs crack Risk of poisoning from inhaling mercury vapors and from swallowing/skin contact with poisonous salts and mercury compounds</p>	<p>Do not come into contact with parts that are under high voltage. Persons with active electronic implants (e.g. heart pacemakers) must never work on xenon headlamps. Switch off entire lighting system. Wear insulating safety shoes, safety glasses and protective gloves. Remove highly inflammable materials from the hazard area. Ensure the work area is adequately ventilated.</p>	AS82.10-Z-0001-01A
<p> i</p>	Retrofit xenon headlamps	Model 210 as of 1.7.99	AH82.10-P-1003-01F
<p>1  AR</p>	Disconnect ground line of battery		AR54.10-P-0003A
<p>2.1</p>	Fold forward rear seat cushions	<p> i Model 210.2 only</p>	
<p>2.2  AR</p>	Remove rear seat cushion	<p> i Model 210.0 only</p>	
<p>2.2  AR</p>	Remove/install rear seat and rear seat backrest	<p> i Only remove rear seat cushion.</p>	AR91.12-P-1700F
<p>3</p>	Remove lower paneling from left A-pillar		
<p>4</p>	Remove lower paneling from left and right B-pillars		
<p>5</p>	Remove left front carpeting		
<p>6</p>	Remove door sill moldings from left and right front and rear door		
<p>7</p>	Open left and right cable duct cover		
<p>8</p>	Remove left footrest		
<p>9  AR</p>	Remove light module		AR54.25-P-3260A
<p>10.1</p>	Unfasten windshield washer fluid reservoir and place to one side		
<p>11  AR</p>	Remove headlamp		AR82.10-P-4730EB
<p>12</p>	Remove air filter housing		

13	Slacken coolant expansion reservoir and place to the side	 Do not disconnect coolant hose.	
14	Remove plastic protective grille in front of condenser	 If installed.	
15	Remove engine compartment paneling at bottom or soundproofing		
	Install		
16	Install headlamp range adjustment wiring harness		AN82.10-P-0002-03FB
17	Retrofit headlamp cleaning system	 For vehicles without headlamp cleaning system (code 600) Refer to installation manual.	AN82.15-P-0001FF
18	Retrofit headlamp range adjustment rear axle sensor		AN82.10-P-0003-01FF
19	Retrofit headlamp range adjustment front axle sensor		AN82.10-P-1000-01FF
20	Install in the reverse order	 Operation step 15 - 1.	
21	Carry out function check		
22	Drive vehicle a short distance	 Danger! Do not switch on light, risk of being dazzled!	
23	Check headlamp adjustment	 Danger! Do not switch on light, risk of being dazzled!	AP82.10-P-8260A
			
24	Set zero position of headlamps using HHT	refer to Diagnosis Manual, Body	
25	When modifying the package, subsequently enter code or designation of corresponding special equipment on vehicle data card and FDOK	 Code 612	

Parts ordering notes

Part no.	Designation	Quantity
B6 680 99 31	Xenon headlamps package contents (left hand drive)	1
Commercially available	Brown line 1.5 mm ²	2 M

For models fitted with headlamp cleaning system (code 600)

1.1 Prepare wiring harness (10) as shown in illustration.

i Insulate the lacings of the HCS not shown and tie back (they are **not** required).

a Soldered connector

A51 Headlamp range adjustment rear axle sensor

A52 Headlamp range adjustment front axle sensor

E1 Left headlamp unit

E2 Right headlamp unit

F1f15 Fuse 15, circuit 15

H Extended brown cable

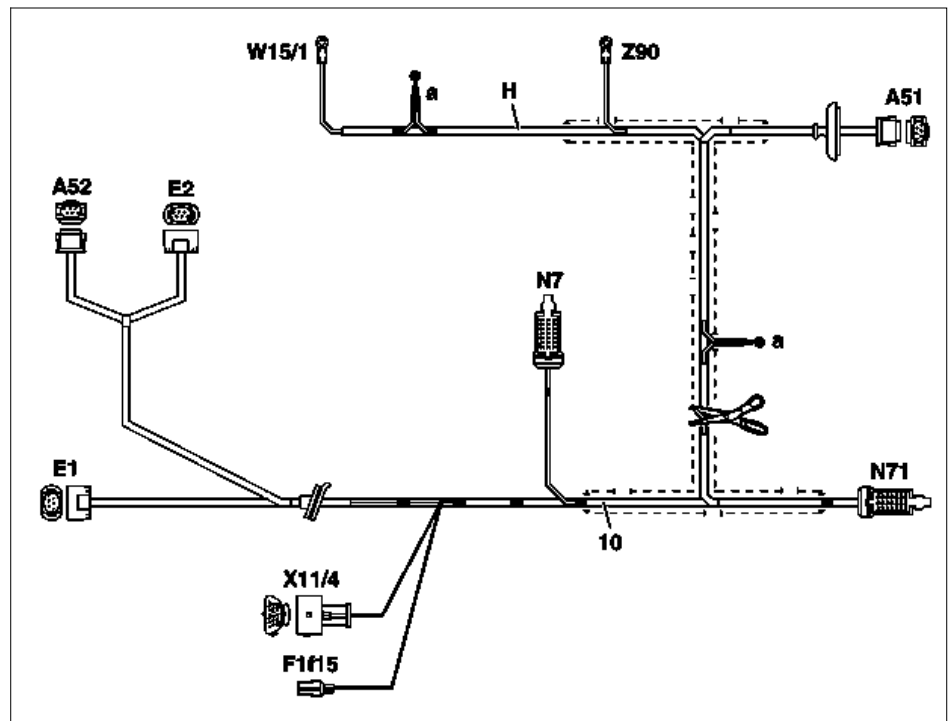
N7 Light module

N71 Headlamp range adjustment control module

W15/1 Ground, right footwell

X11/4 Datalink connector

Z90 Rear axle wheel speed signal connector sleeve



P82.10-2509-06

For models not fitted with headlamp cleaning system (code 600)

1.2 Prepare wiring harness (10) as shown in illustration.

i Connect the lacings of the HCS marked with "HCS (SRA)" as specified in the description "Headlamp cleaning system".

a Soldered connector

A51 Headlamp range adjustment rear axle sensor

A52 Headlamp range adjustment front axle sensor

E1 Left headlamp unit

E2 Right headlamp unit

F1f15 Fuse 15, circuit 15

H Extended brown cable

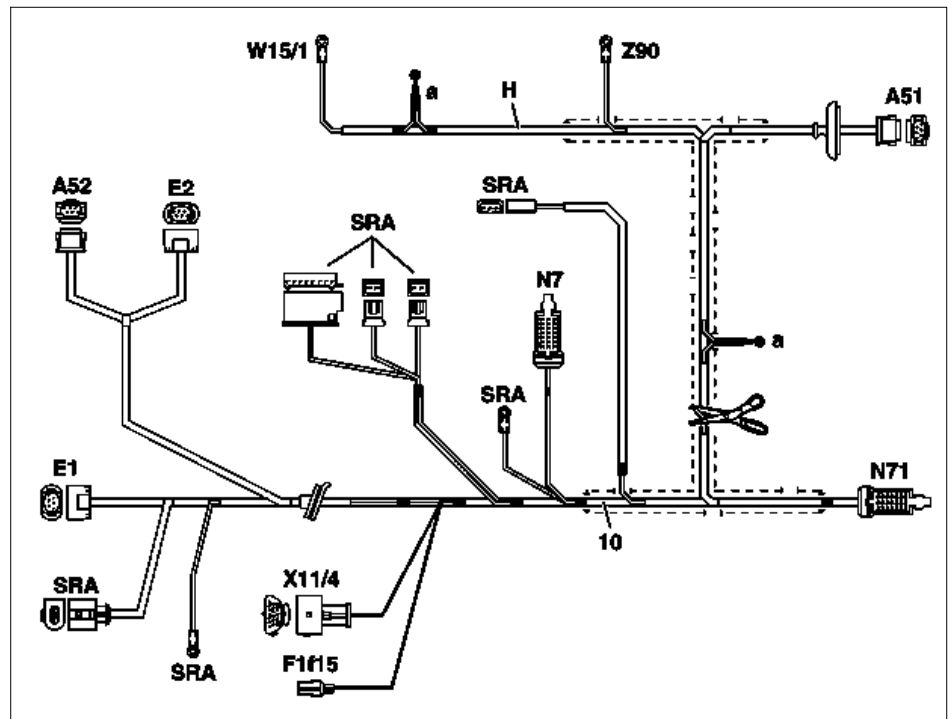
N7 Light module

N71 Headlamp range adjustment control module

W15/1 Ground, right footwell

X11/4 Datalink connector

Z90 Rear axle wheel speed signal connector sleeve

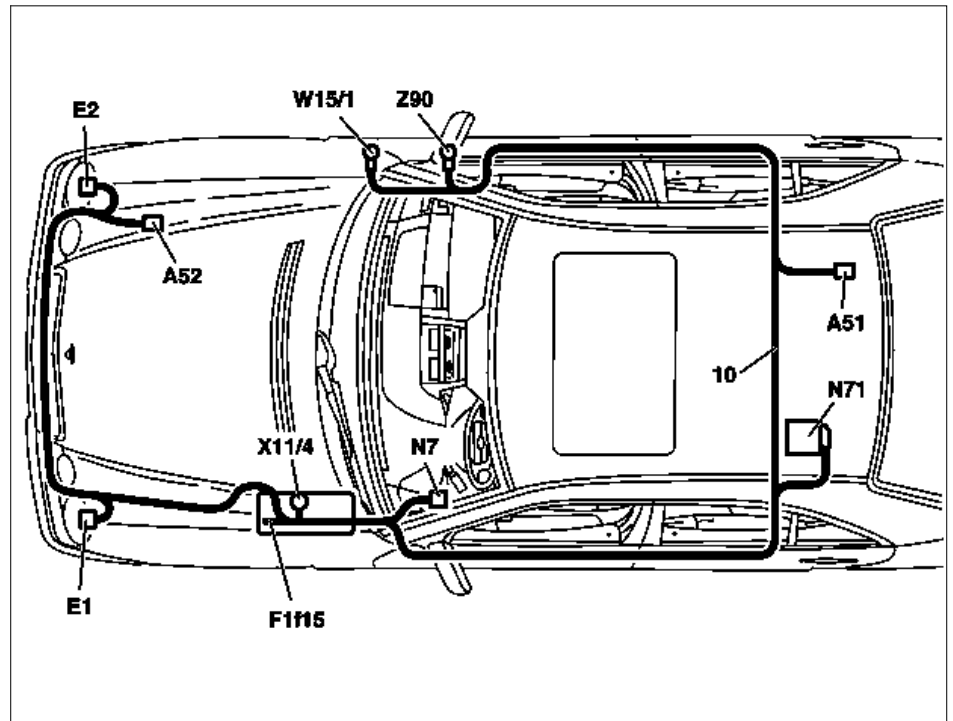


P82.10-2508-06

2 Extend brown cable (H) to right footwell ground (W15/1) with brown cable 1.5 m² and soldered connector (A) by about 2 m.

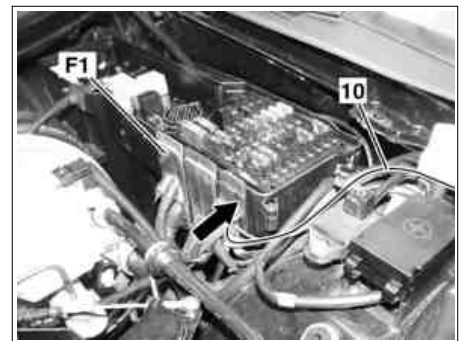
- 3 Route wiring harness of headlamp range adjustment (10) in vehicle as shown in illustration.

- A51 Headlamp range adjustment rear axle sensor
 A52 Headlamp range adjustment front axle sensor
 E1 Left headlamp unit
 E2 Right headlamp unit
 F1f15 Fuse 15, circuit 15
 N7 Light module
 N71 Headlamp range adjustment control module
 W15/1 Ground, right footwell
 X11/4 Datalink connector
 Z90 Rear axle wheel speed signal connector sleeve



P82.10-2510-06

- 4 Route wiring harness (10) through a vacant cable leadthrough grommet (arrow) into the fuse and relay box (F1).

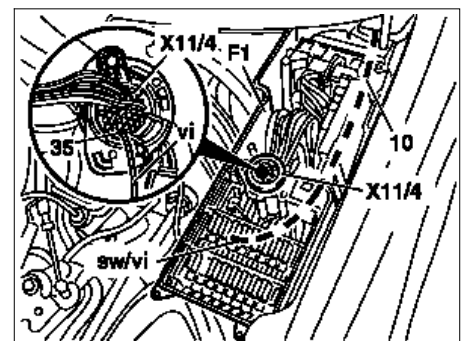


P82.10-2511-01

- 5 Route branch from wiring harness (10) to the front fuse and relay box (F1) and to the data link connector (X11/4) in fuse box.
 6 Connect black/purple cable (sw/vi) in fuse and relay box (F1) to fuse 15.

i Fuse 15 must be fitted with a 15A fuse.

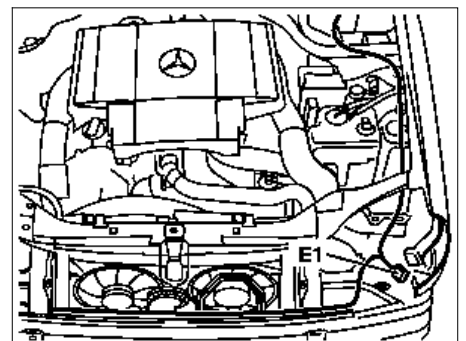
- 7 Open data link connector (X11/4). Insert purple cable (vi) into receptacle 35 of data link connector (X11/4).
 8 Close data link connector (X11/4).



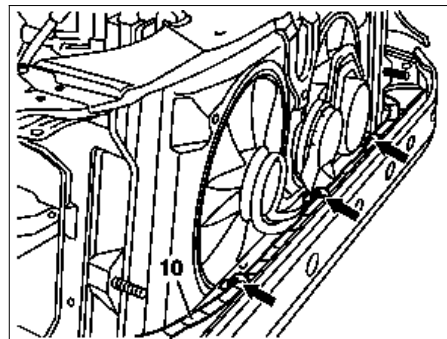
P82.10-2512-01

- 9 Route 6-pin sockets at left wheelhousing to the left headlamp opening and attach.

E1 Left headlamp unit (socket)



- 10 Route other branches from wiring harness (10) of 6-pin sockets in front of the radiator to the right headlamp opening and attach with cable straps (arrows).

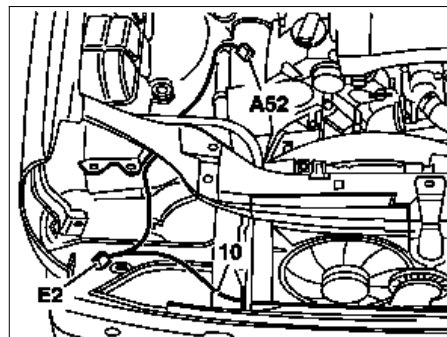


P82.10-2514-01

- 11 Route longest branch from wiring harness (10) with 6-pin socket from the right headlamp opening along the main wiring harness to the right of the front axle and attach.

- 12 Route branch to right headlamp unit (E2) into headlamp opening as shown in illustration.

A52 Headlamp range adjustment front axle sensor (socket)



P82.10-2515-01

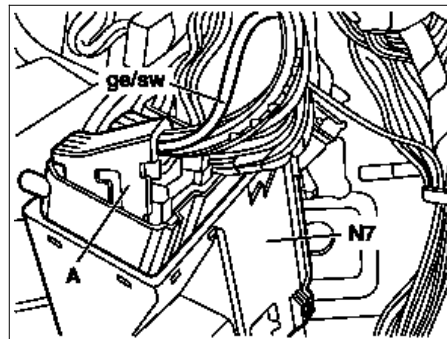
- 13 Route branch from wiring harness through the fuse box into the interior.

- 14 Route yellow/black cable (ge/sw) to the light module.

- 15 Open socket A at light module (N7).

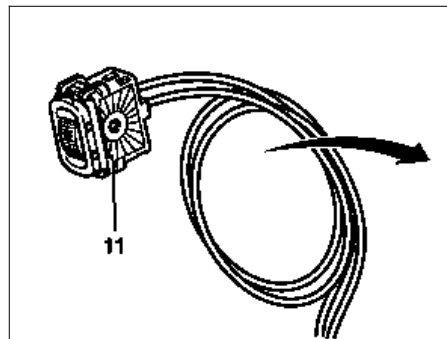
- 16 Insert yellow/black cable (ge/sw) into receptacle 10 of the 21-pin socket "A" of the light module (N7).

- 17 Install new trim ring at light module (N7).



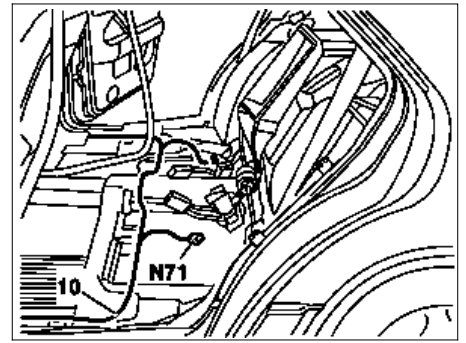
P82.10-2516-01

- 18 Tie back positioning wheel (11) of the old headlamp range adjustment below the instrument panel (**do not disconnect cables**).



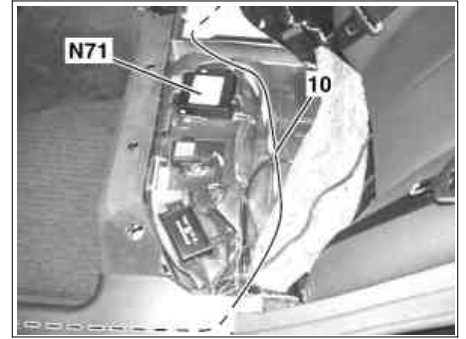
P82.10-2517-01

- 19 Route branch from wiring harness (10) in left cable duct to the rear seat bench.
- 20 Route branch to the headlamp range adjustment control module (N71) into the area of the left of the rear seat bench as shown in the illustration.



P82.10-2518-01

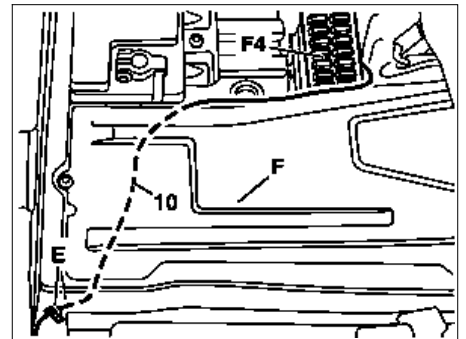
- 21 Place headlamp range adjustment control module (N71), in the area below left rear seat, into a free part of the foam cover.
- 22 Fix headlamp range adjustment control module (N71) tight, if necessary (double-sided adhesive tape).
- 23 Connect socket to the headlamp range adjustment control module (N71).



P82.10-2519-01

- 24 Route branch of wiring harness (10) below the rear seat bench to the right side of vehicle.
- 25 Route wiring harness (10) below the plate (F) of the rear seat bench behind the rear fuse box (F4) and attach with omega clips (E).

i Rework plate (F) so that wiring harness does not chafe or is squeezed.

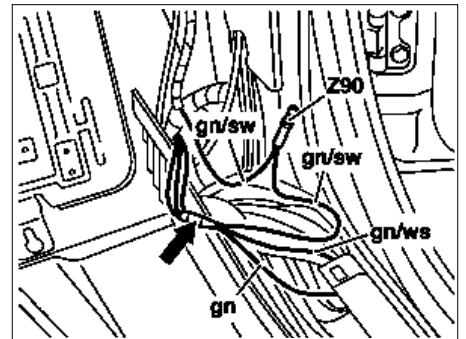


P82.10-2520-01

- 26 Route extended brown cable and green/black (gn/sw) cable in right cable duct to the right A-pillar.
- 27 Expose the green/black cables (gr/sw) to the rear axle wheel speed sensor connector sleeve (Z90) in the right cable duct in the area of the A-pillar.

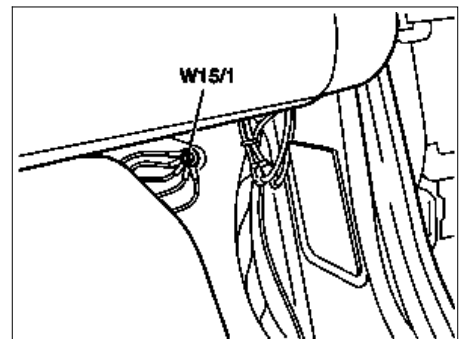
i There are 3 cables tied together with a red adhesive tape (arrow) in the area of the A-pillar at bottom right. These are a green cable (gn) front right wheel speed signal, a green/white cable (gn/ws) front left wheel speed signal and a green/black cable (gn/sw) rear left wheel speed signal. Test wheel speed signal at the connector sleeve.

- 28 Solder green/black cable (gn/sw) from headlamp range adjustment wiring harness with a soldered connector.



P82.10-2522-01

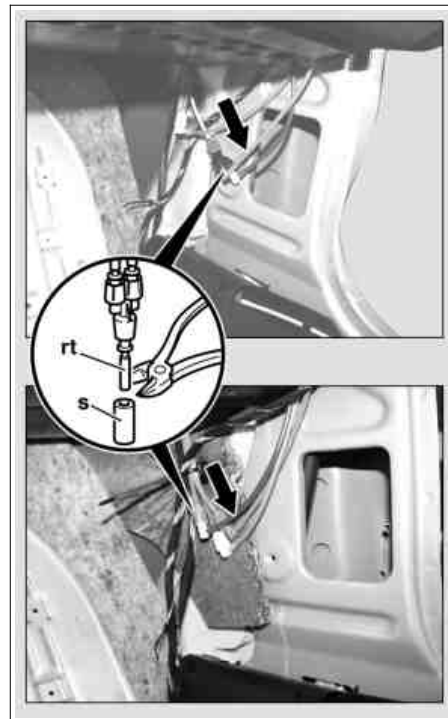
- 29 Connect extended brown cable at the right footwell ground (W15/1) to the top of the right A-pillar.



i In the area of the A-pillar there is a red vacuum line (arrow) (differs according to vehicle equipment).

30 Cut off red vacuum line (rt) just downstream of the distributor and seal the short end to the distributor with a cap (S).

31 Tie back red vacuum line.



P82.10-2524-03

Models without stationary heater/ heater booster

32.1 Make hole (15) in area of fuel pump assembly at spacing G and widen to \varnothing 28 mm and prime.

⚠ Danger!

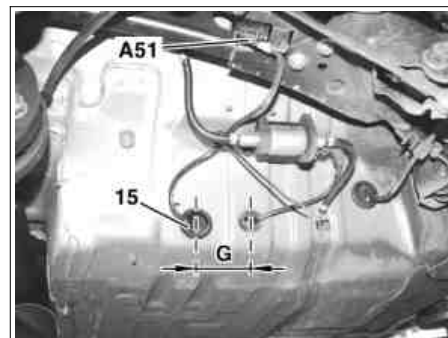
Do not damage cables of rear fuse box.

G 40 mm

Models with stationary heater/ heater booster

32.2 Use grommet of fuel metering pump.

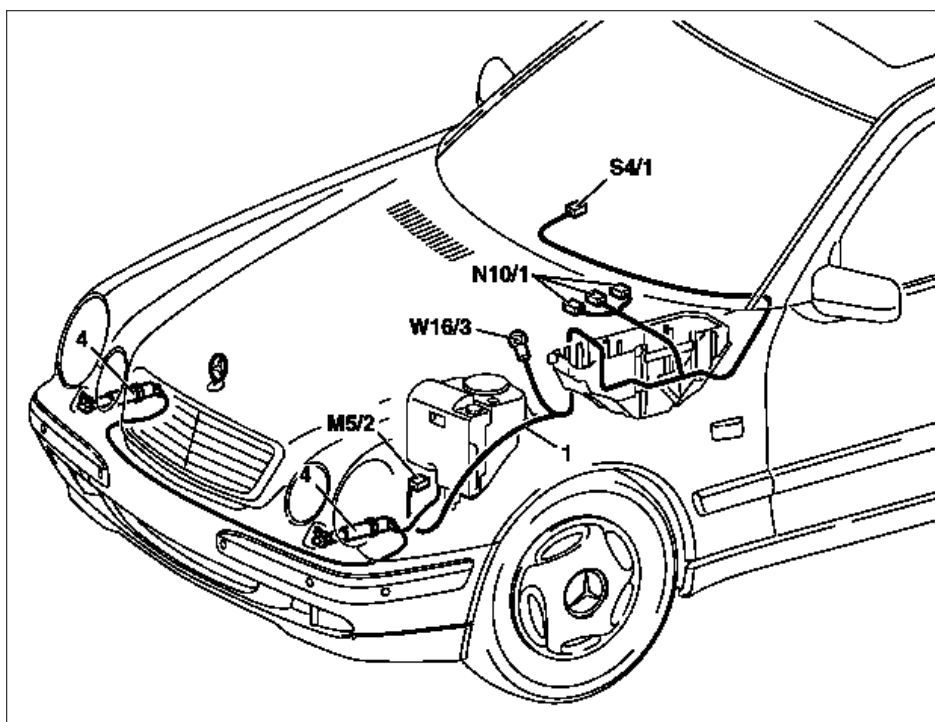
33 Route 6-pin socket to rear axle sensor (A51) behind the rear fuse box to the outside and insert grommet of wiring harness into hole.



P82.10-2526-01

MODEL 210 as of 1.7.99

- 1 Wiring harness of headlamp cleaning system
 4 Telescopic nozzles
 M5/2 Headlamp washer pump
 N10/1 Driver SAM control module (with fuse and relay module)
 S4/1 Headlamp cleaning system switch
 W16/3 Output ground, left wheelhousing



P82.15-2043-06

	Removal		
1 AR	Disconnect ground lead from battery		AR54.10-P-0003A
2 AR	Remove radio		AR82.60-P-7502EA
3 AR	Remove cover above heater or air conditioning control panel		AR68.20-P-2350F
4	Unclip cockpit switch group or front seat heater control module		
5	Remove cover in left footwell		
6 AR	Remove front bumper	Part is no longer required.	AR88.20-P-2000FA
N	Empty washing water reservoir and remove		
8	Open fuse and relay box		
9	Remove cover below instrument panel on left		
10 AR	Remove headlamp unit		AR82.10-P-4730F
	Installation		
11	Retrofit wiring harness of headlamp cleaning system		AN82.15-P-0001-01FF
12	Retrofit switch		AN82.15-P-0001-02A
13	Retrofit washing water reservoir and washing water hose		AN82.15-P-0001-03A
14	Retrofit telescopic nozzles		AN82.15-P-0001-04FF
15	Install in the reverse order	Step 10 - 1.	
16	Carry out operational check		
17	In the event of modification to equipment fitted, subsequently enter code or designation of relevant special equipment on vehicle datacard / FDOK	Code 600	

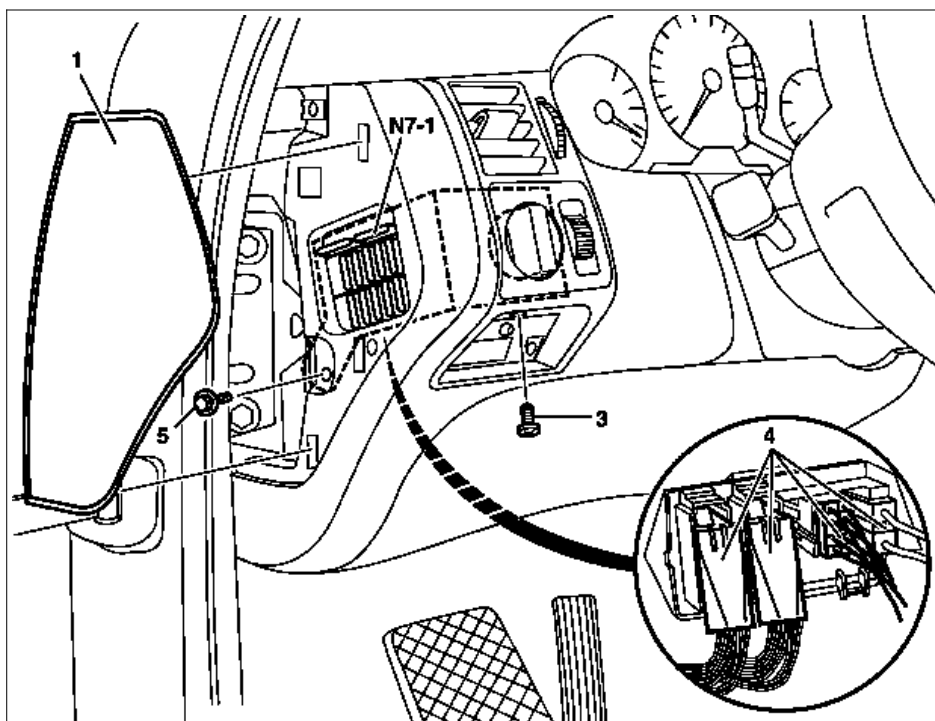
Parts ordering notes

Part no.	Designation	Quantity
A210 860 24 47	Nozzle parts kit (paint new bumper in color of vehicle before installing)	1
A210 540 75 35	Wiring harness of headlamp cleaning system (LHS)	1







MODEL 208, 210

Illustrated on model 210

- 1 Cover
 3 Screw
 4 Electrical connections
 5 Screw
 N7-1 Light module



P54.25-0214-06

	Removal, installation		
1	Disconnect ground cable from battery	 Insulate terminal on ground cable to prevent unintentional contact between disconnected ground cable and ground W10.	AR54.10-P-0003A
2	Unhook control cable on release lever for parking brake and remove release lever guide	 Installation: Clip release lever guide into mount on light module housing opposite direction of forward motion	
3.1	Remove bottom section of instrument panel (driver's side)	Model 208	AR68.10-P-1505K
3.2	Remove cover below instrument panel (driver's side)	Model 210	AR68.10-P-1500F
4	Unhook and disconnect electrical connections (4) on rear of light module (N7-1)	 Installation: Complete electrical connections only after installing light module	
5	Unscrew screws (3, 5)	 Installation: First screw in screw (3) in area of parking brake release lever. While screwing in support light module from below with hand and align on hole for second screw	
6	Remove light module (N7/1) from instrument panel		
 GF	Assignments and lead connections for fuse blocks:	Model 208 Model 210	GF54.15-P-1255EF GF54.15-P-1255EA
7	Reinstall in opposite order		