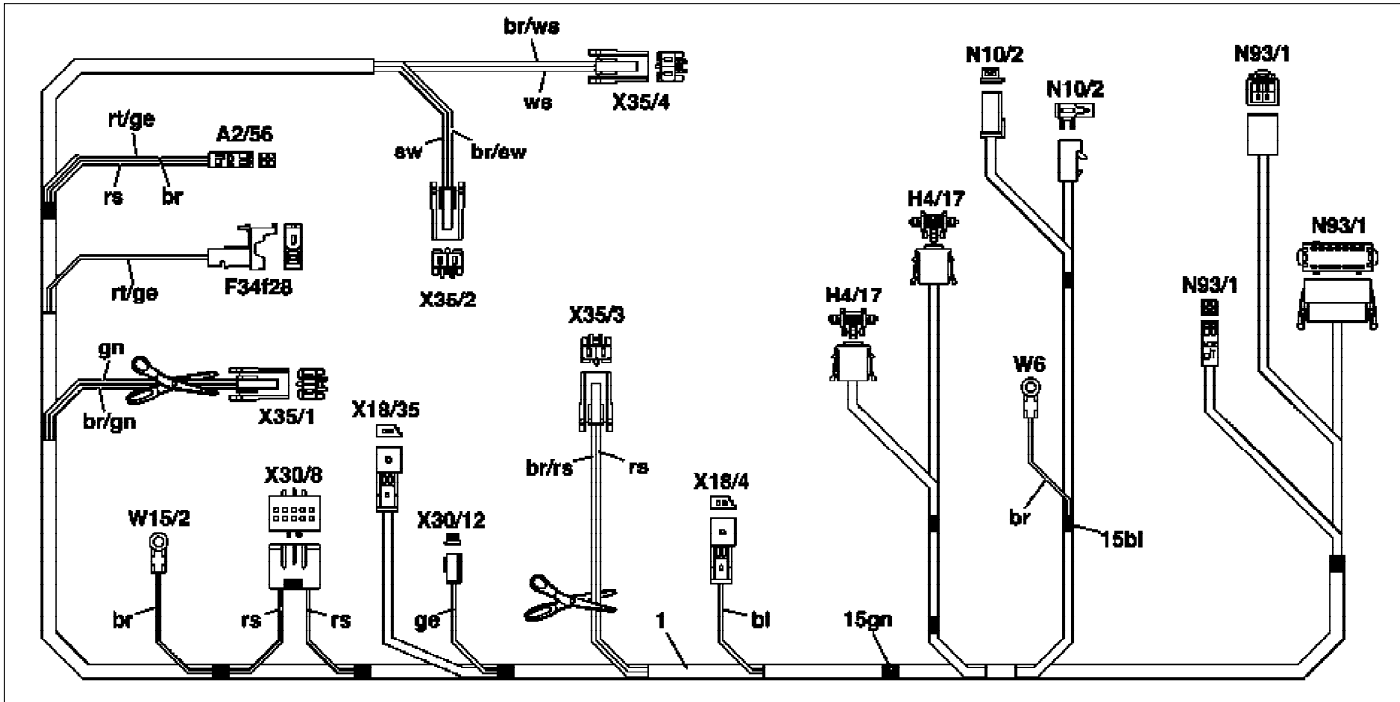


Actual status of auto pilot system wiring harness (1)

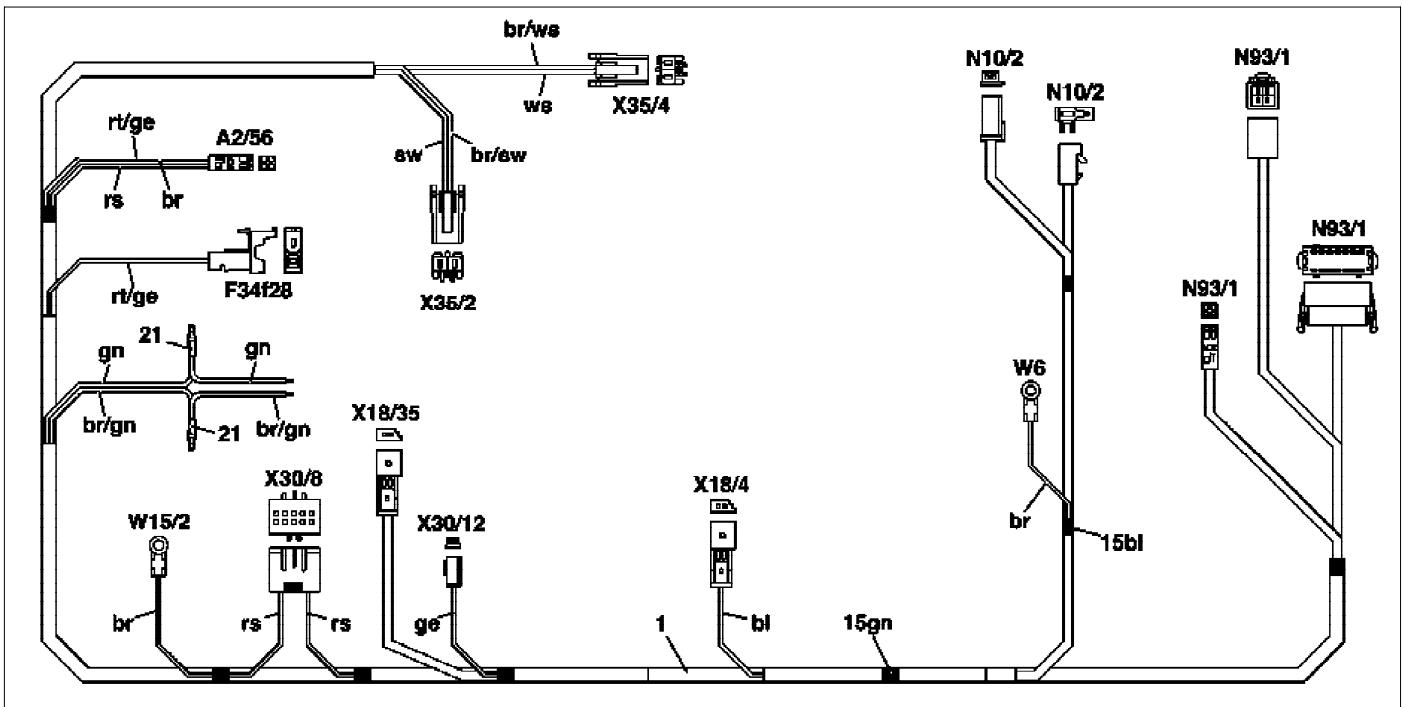


P82.61-2831-09

15 bl	Blue color coding	X18/4	Interior/Sound System connector	bl	Blue line
15gn	Green color coding	X18/35	Cockpit wiring harness and FFS connector	br	Brown line
A2/56	Radio control panel and navigation unit	X30/8	Wake-up signal connector	br/gn	Brown/green line
F34f28	Fuse 28	X30/12	Radio 'mute' plug distributor	br/pink	Brown/pink line
H4/17	Bass module speaker	X35/1	Left front door separation point	br/sw	Brown/black line
N10/2	Rear SAM control unit with fuse and relay module	X35/2	Right front door separation point	br/white	Brown/white line
N93/1	Audio gateway control unit	X35/3	Left rear door separation point	ge	Yellow line
W6	Ground (left wheelhouse in luggage compartment)	X35/4	Right rear door separation point	gn	Green line
W15/2	Ground (left footwell)			pink	Pink line
				rt/ge	Red/yellow line
				sw	Black line
				white	White line

- 1 Strap down branch-off line with the two black, 2-pin couplings of the bass module speakers (H4/17) to the Autopilot system wiring harness (1) (no longer needed).
- 2 Cut off branch-off line with white 2-pin coupling of left rear door separation point (X35/3) from Autopilot system wiring harness (1) (no longer needed).
- 3 Cut off white, 2-pin coupling of left front door separation point (X35/1) from branch-off line.
- 4 Extend the green (gn) and brown/green (br/gn) line with a 400 mm long line, cross-section 1.5 mm², using a solder connector.

Specified status of Autopilot system wiring harness (1)

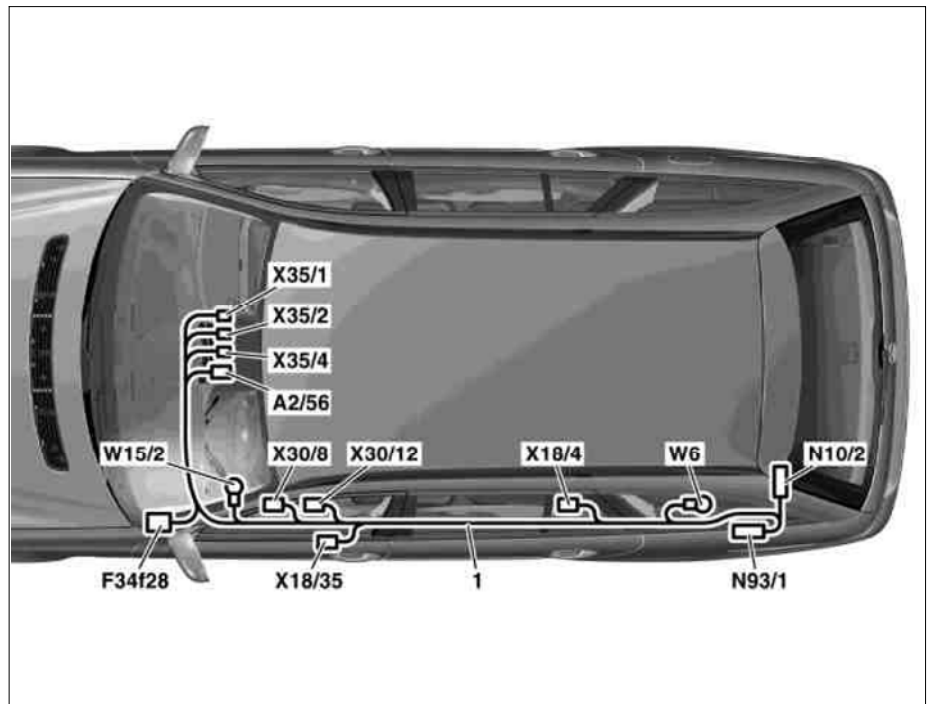


P82.61-2890-09

15bl	Blue color coding	W15/2	Ground (left footwell)	blue	Blue line
15gn	Green color coding	X18/4	Interior/Sound System connector	br	Brown line
21	Solder connector	X18/35	Cockpit wiring harness and FFS connector	br/gn	Brown/green line
A2/56	Radio control panel and navigation unit	X30/8	Wake-up signal connector	br/sw	Brown/black line
F34f28	Fuse 28	X30/12	Radio 'mute' plug distributor	br/white	Brown/white line
N10/2	Rear SAM control unit with fuse and relay module	X35/2	Right front door separation point	ge	Yellow line
N93/1	Audio gateway control unit	X35/4	Right rear door separation point	gn	Green line
N93/1	Audio gateway control unit			rs	Pink line
W6	Ground (left wheelhouse in luggage compartment)			rt/ge	Red/yellow line
				sw	Black line
				WS	White line

Autopilot system wiring harness (1) routing diagram

A2/56	Radio control panel and navigation unit
F34f28	Fuse 28
N10/2	Rear SAM control unit with fuse and relay module
N93/1	Audio gateway control unit
W6	Ground (left wheelhouse in luggage compartment)
W15/2	Ground (left footwell)
X18/4	Interior/Sound System connector
X18/35	Cockpit wiring harness and FFS connector
X30/8	Wake-up signal connector
X30/12	Radio 'mute' plug distributor
X35/1	Left front door separation point
X35/2	Right front door separation point
X35/4	Right rear door separation point



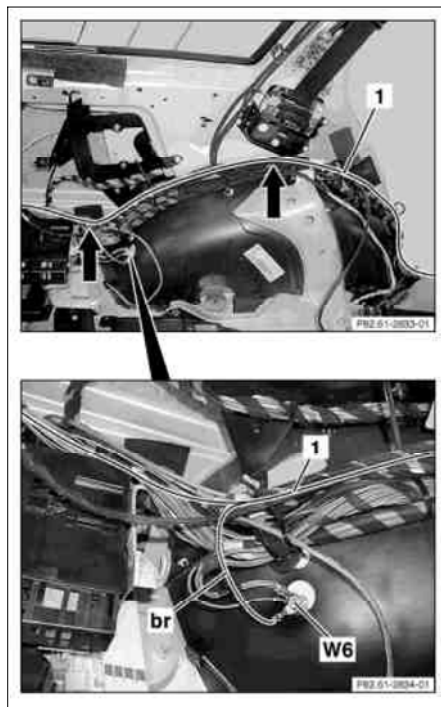
P82.61-2832-06

i The Autopilot system wiring harness (1) is routed towards the front starting in the left side of the trunk.

5 Attach Autopilot system wiring harness (1) to existing lines on left wheelhouse as shown in illustration.

i The blue and green color coding on the Autopilot system wiring harness (1) must correspond with the coding of the same color on the standard wiring harnesses (see arrows).

6 Connect brown (br) branch-off line of the Autopilot system wiring harness (1) to ground (left wheelhouse in luggage compartment) (W6).

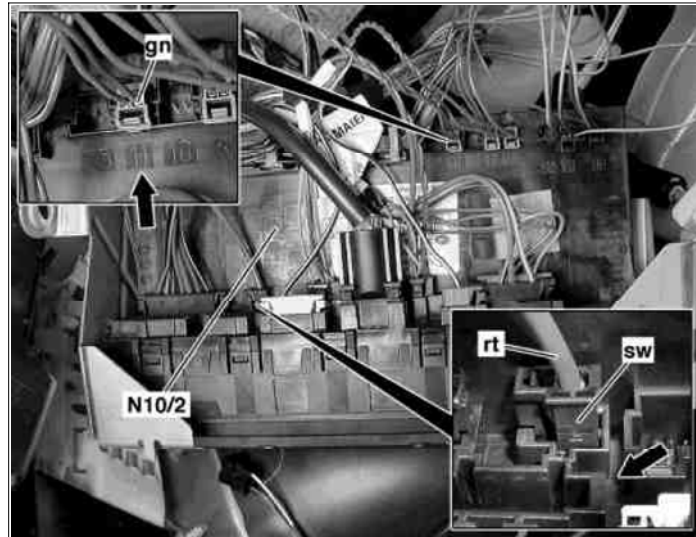


P82.61-2835-03

7 Connect black, 1-pin coupling (sw) with red line (rt) of Autopilot system wiring harness to plug position 28 (see arrow in magnification below) of rear SAM control unit with fuse and relay module (N10/2).

8 Connect black, 2-pin coupling (sw) with brown and brown/red line of Autopilot system wiring harness to plug position 11 (see arrow in magnification below) of rear SAM control unit with fuse and relay module (N10/2).

i Plug position 11 has green color coding.



P82.61-2836-11

9 Route Autopilot system wiring harness (1) to cable duct in left rear compartment and fix in position.

10 Expose pink (pk) and brown/pink (br/pk) lines of standard wiring harness and disconnect.

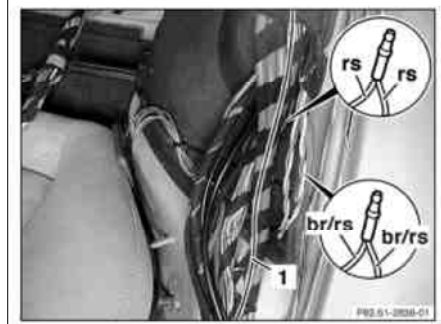
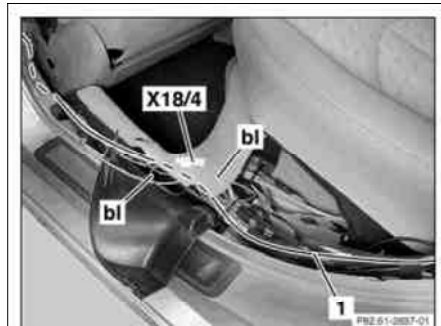
i The lines have a cross-section of 1.5 mm² and are twisted together.

11 Connect pink line (pk) of standard wiring harness that goes forwards to the door to the pink line (pk) of the Autopilot system wiring harness (1) using a solder connector.

12 Connect brown/pink line (br/pk) of standard wiring harness that goes forwards to the door to the brown/pink line (br/pk) of the Autopilot system wiring harness (1) using a solder connector.

13 Expose standard, white, 2-pin interior/Sound System connector (X18/4) in left rear cable duct and disconnect.

i The white, 2-pin coupling is no longer needed and is placed in the left rear cable duct.



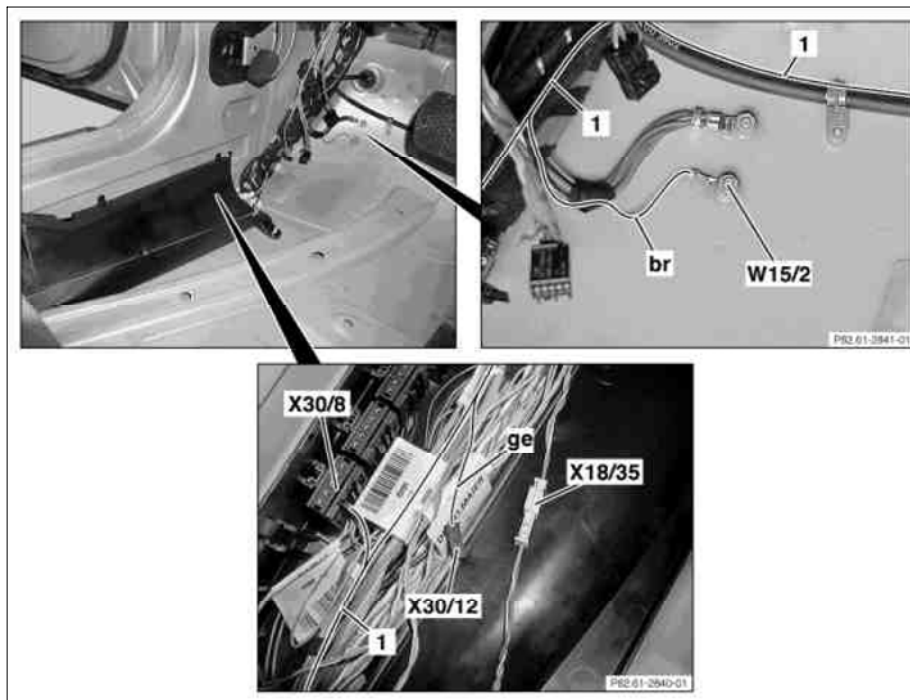
P82.61-2839-03

14 Connect white, 2-pin coupling of the Autopilot system wiring harness (1) to the white 2-pin plug and place interior/Sound System connector (X18/4) in left rear cable duct.

15 Continue routing Autopilot system wiring harness (1) towards the front in the cable duct.

16 Remove two pink lines from the black, 10-pin wake-up signal connector (X30/8) from the Autopilot system wiring harness (1) and insert into any chamber of the standard black, 10-pin wake-up signal connector (X30/8).

i If no black, 10-pin wake-up signal connector (X30/8) is present in the cable duct, secure black, 10-pin wake-up signal connector (X30/8) of Autopilot system wiring harness (1) in existing bracket in cable duct.



17 Place violet, 2-pin radio 'mute' plug distributor (X30/12) in cable duct.

i Coupling is not required.

18 Expose white, 2-pin cockpit wiring harness and FFS connector (X18/35) in cable duct and disconnect.

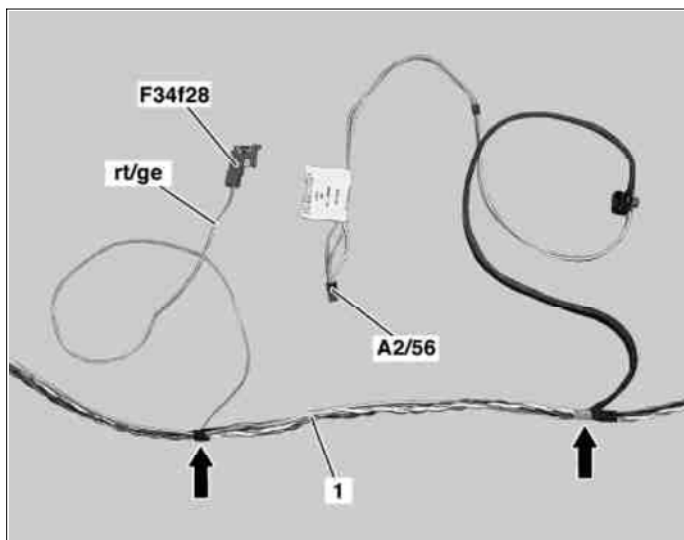
i The white, 2-pin coupling is no longer required and is strapped down in the cable duct.

21 Branch off branch-off line with bordeaux red fuse carrier for fuse 28 (F34f28) and branch-off line with black, 4-pin coupling for radio control panel and navigation unit (A2/56) of Autopilot system wiring harness (1) (see arrows).

i The black, 4-pin coupling is occupied by a pink, brown and red/yellow line.

19 Connect white, 2-pin coupling of the Autopilot system wiring harness (1) to the white 2-pin plug of the cockpit wiring harness and FFS connector and place in cable duct.

20 Connect brown line (br) of Autopilot system wiring harness (1) to ground (left footwell) (W15/2).



P82.61-2842-06

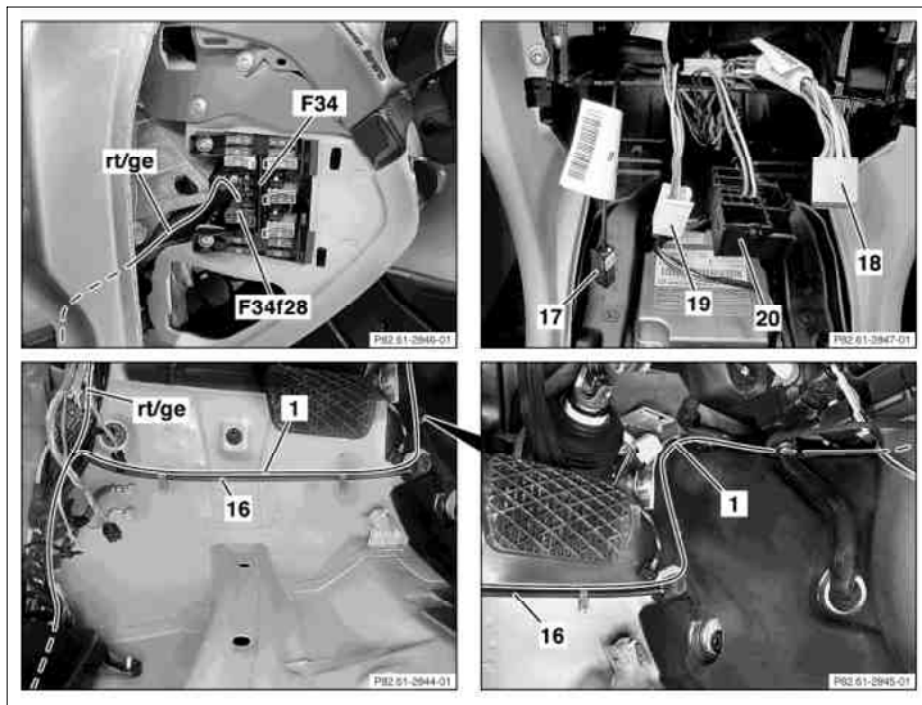
P82.61-2843-11

22 Continue routing Autopilot system wiring harness (1) along the parking brake cable (16) to the radio recess and fix in position.

23 Lead red/yellow cable (rt/ge) with bordeaux red fuse carrier to interior fuse box (F34).

24 Remove existing, bordeaux red fuse carrier for fuse 28 (F34f28) from interior fuse box (F34) and strap down (no longer required).

25 Insert bordeaux red fuse carrier from autopilot system wiring harness (1) into socket 28 of interior fuse box (F34).



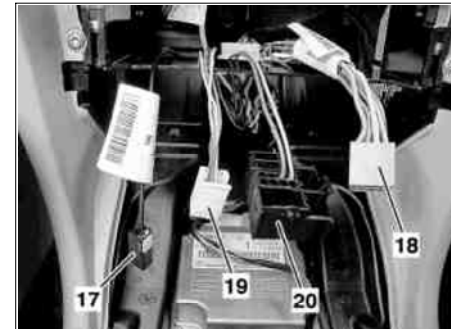
26 Fix branch-off line of bordeaux red fuse carrier for fuse 28 (F34f28) to Autopilot system wiring harness (1).

27 Strap down antenna line (17) (is no longer required).

i Socket is color-coded.

28 Remove brown, 8-pin coupling (18) from black coupling carrier (20).

29 Strap down coupling carrier (20) and white, 8-pin coupling (19) (are no longer required).

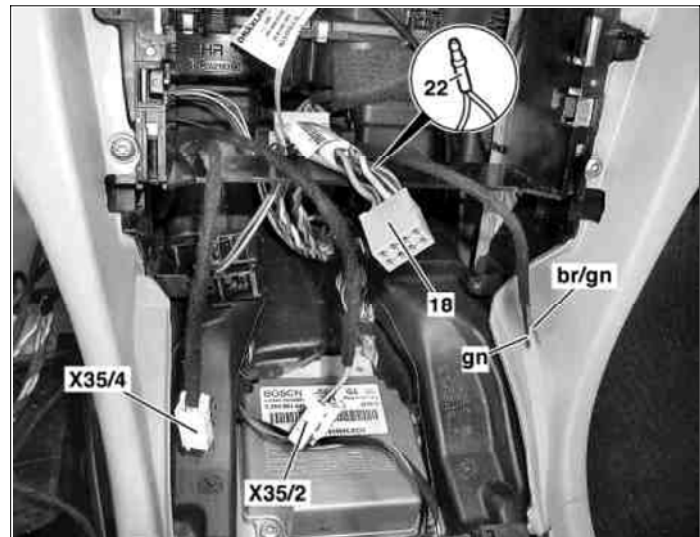


30 Route the two white, 2-pin couplings of the right front door separation point (X35/2) and the right rear door separation point (X35/4) in radio recess as illustrated and strap down excess length.

31 Route branch-off cable with the two extended green (gn) and brown/green (br/gn) lines in radio recess as illustrated.

32 Connect white and brown/white lines of right rear door separation point (X35/4) to lines of same color of brown, 8-pin coupling (18) using solder connectors (22).

33 Connect black and brown/black lines of right rear door separation point (X35/2) to lines of same color of brown, 8-pin coupling (18) using solder connectors (22).



34 Connect the extended green (gn) and brown/green (br/gn) line to the lines of the same color of the brown, 8-pin coupling (18) using solder connectors (22).

35 Wrap felt tape round brown, 8-pin coupling (18) with solder connectors (22) and strap down in radio recess.