



Applicability

These installation instructions apply to the G-Class, 463.

A Part ordering information

Brake Controller Wiring Harness, B6 685 0051

Components

- (1) Wiring harness
- (2) Plug connector housing
- (3) Crimp-on flat-pin terminal connectors (4)

B General installation instructions

General instructions

The manufacturer reserves the right to change any technical details from those shown in the illustrations contained in these installation instructions.

These installation instructions also refer to the vehicle Operator's Manual; please have it available for reference.



Warning!

Installation of the trailer hitch should only be carried out by a qualified technician or qualified automotive facility, who or which has the necessary knowledge, tools and equipment for the installation work. Mercedes-Benz recommends the work to be carried out by the Mercedes-Benz Light Truck Center.

Each individual workstep shown in the installation instructions, the general advice and safety advice must be accurately followed.

Failure to follow installation instructions and perform work pursuant to this manual may result in failure of the trailer hitch to operate properly, which could result in an accident and serious injuries.

Work improperly carried out on electronic components and associated software could cause them to cease functioning. Because the vehicle's electronic components are interconnected, any modifications made may produce an undesired effect on other systems. Electronic malfunctions could seriously impair the operating safety of your vehicle.

See your authorized Mercedes-Benz Light Truck Center for repairs or modifications to electronic components.

Other improper work or modifications on the vehicle could also have a negative impact on the operating safety of the vehicle.

Some safety systems only function while the engine is running. You should therefore never turn off the engine while driving.

General safety notes

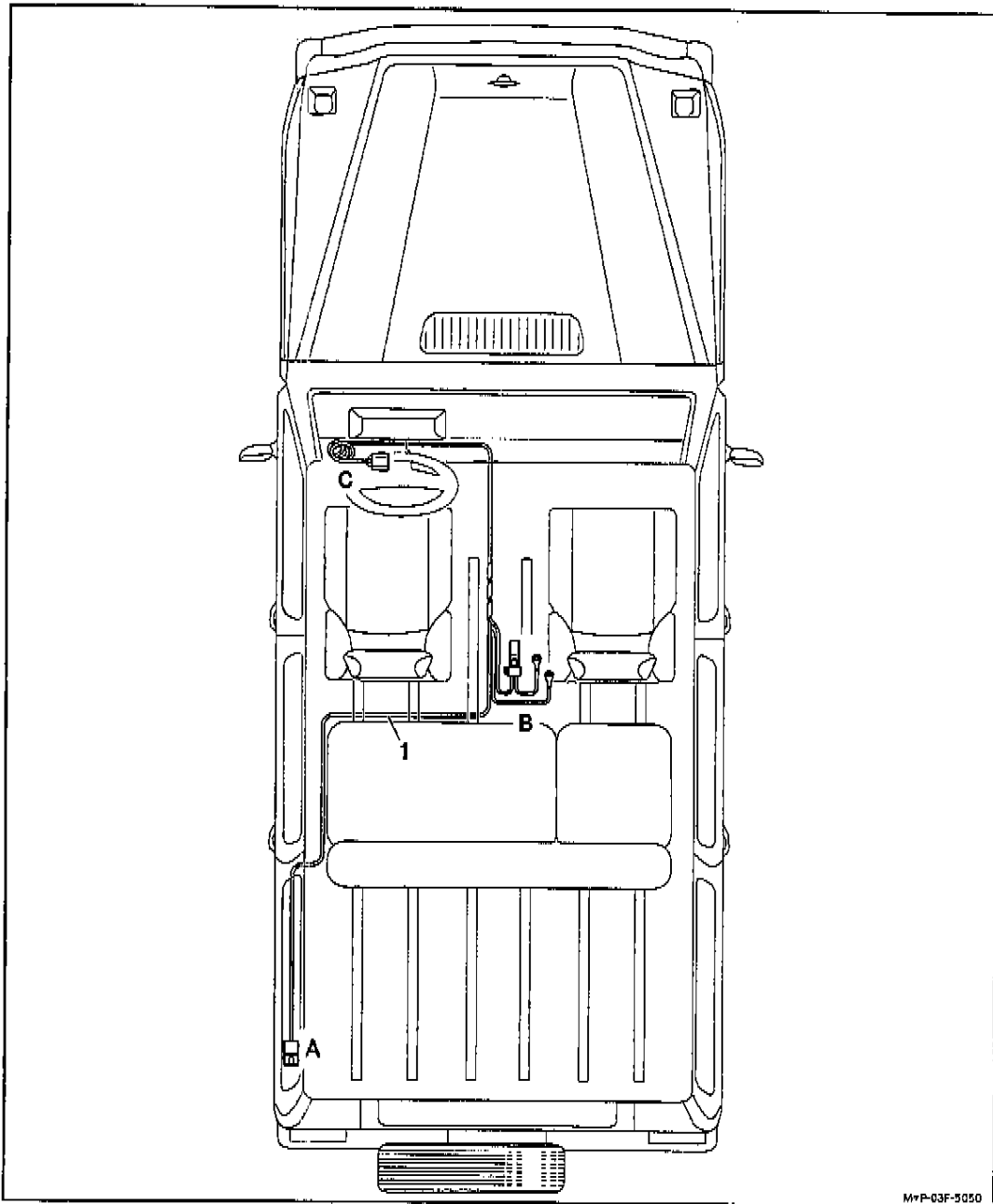
Each individual workstep shown in the installation instructions, the general advice and safety advice must be accurately followed.

The wiring harness must be routed in a manner which prevents it from being pinched or crushed.

The wiring harness must be routed in a manner which prevents scraping and kinking and leaves some slack in the wires.

Failure to follow the general safety notes could result in a short circuit or cable fire possibly resulting in a risk of severe injury to you and other persons and/or cause damage to property, including damage to your vehicle.

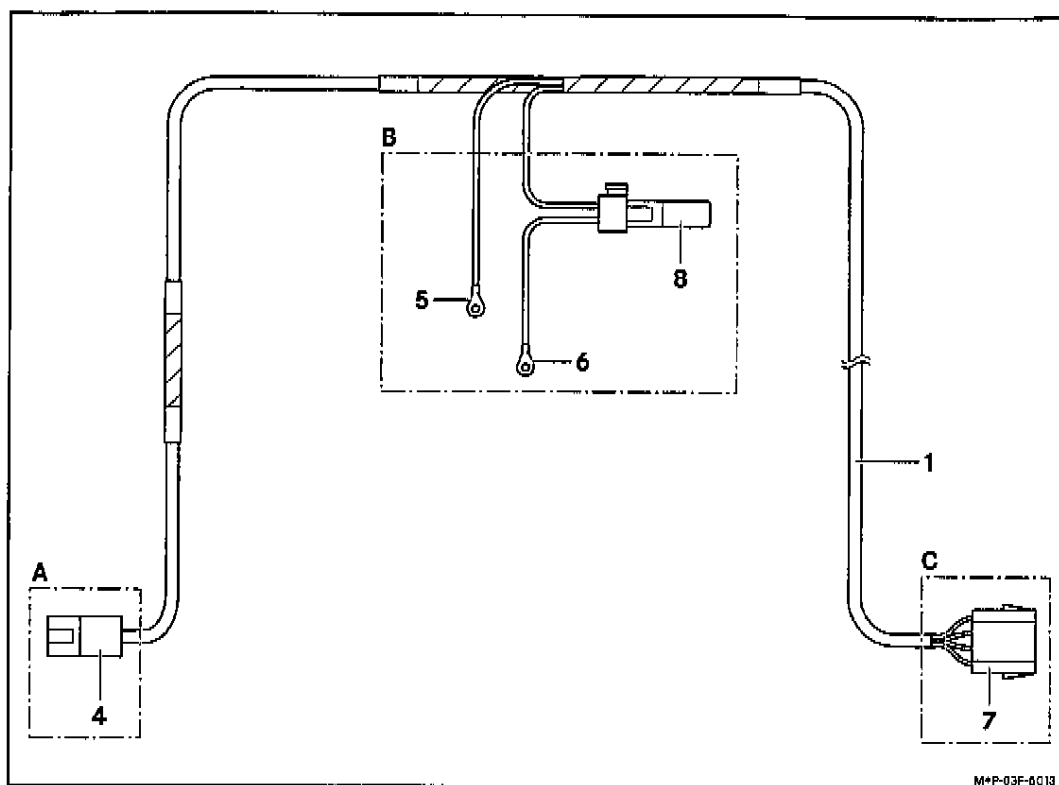
These installation instructions must be given to the customer.



M*P-03F-5050

C Wiring harness connection points

- (1) Wiring harness
- (A) Cargo area, left side (CD changer)
- (B) Battery box
- (C) Cover over pedal cluster



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D Wiring harness connection diagram

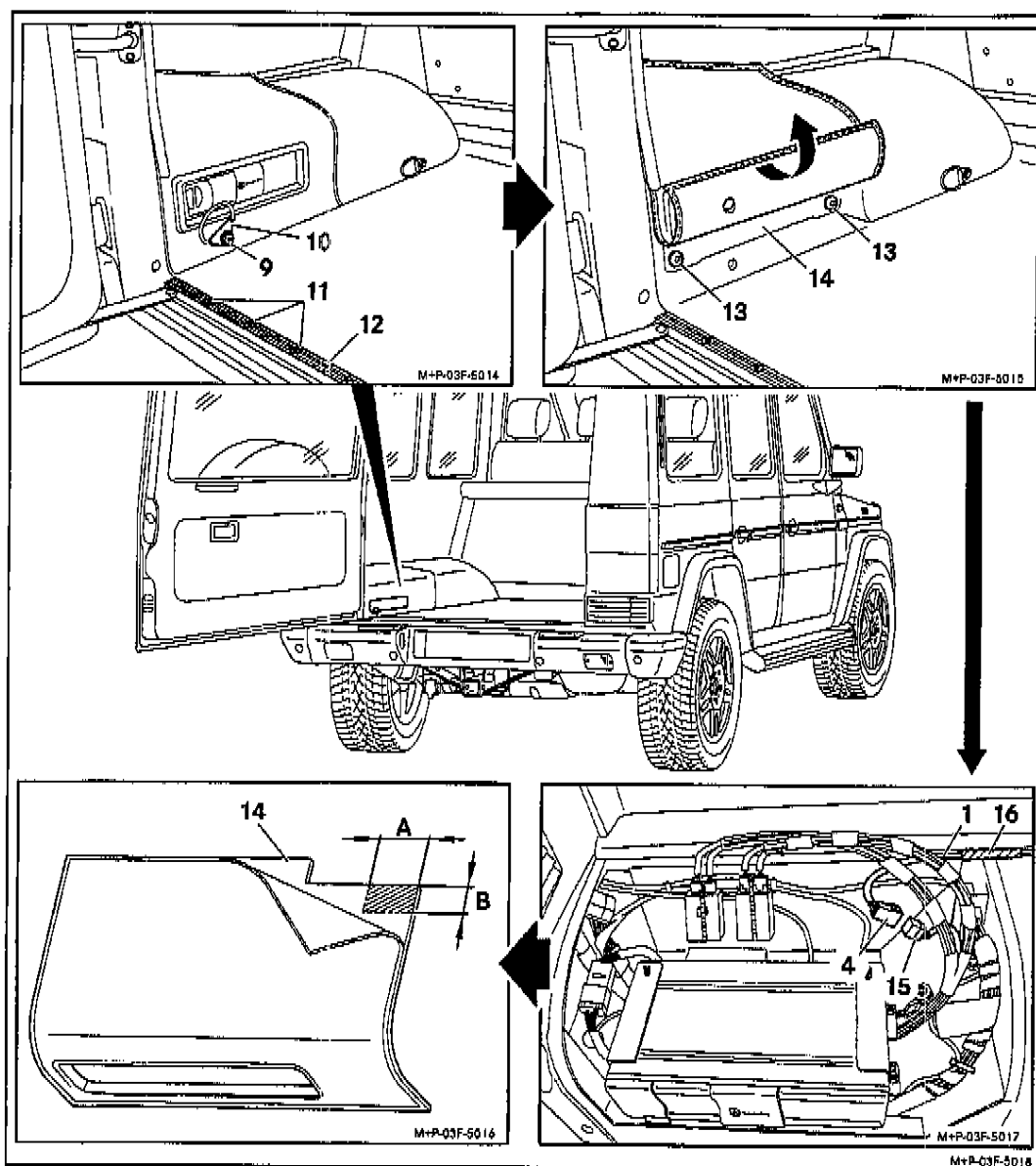
- (1) Wiring harness
- (A) Cargo area, left side (CD changer)
- (4) Connector plug (2-wire), trailer hitch wiring harness
- (B) Battery casing
- (5) Ground connection, battery
- (6) Permanent-positive wire, battery
- (8) Fuse holder, 20 A
- (C) Cover over pedal cluster
- (7) Connector plug (4-wire), brake controller

E Preliminary work

1. Connect quiescent current retention unit ("memory saver tool"), see Mercedes-Benz repair instructions AR54.10-P-0003PV.
2. Disconnect battery ground, see Mercedes-Benz repair instructions AR54.10-P-0003G.

**Warning!**

Be careful not to damage the wiring harness. Make sure that the wiring harness is installed in a manner which prevents scraping or kinking, and leaves some slack in the wires. Otherwise a short-circuit and/or cable fire may occur, possibly resulting in a serious risk of injury to you and other persons and/or damage to property, including damage to your own vehicle.



F Installing the wiring harness

1. Remove the screw (9) along with the cargo tie-down ring (10).

2. Remove the 3 screws (11) from the carpet trim strip (12).

3. Fold the carpet up (as shown in the drawing, see arrow). Remove the 2 screws (13) and remove the access cover (14).

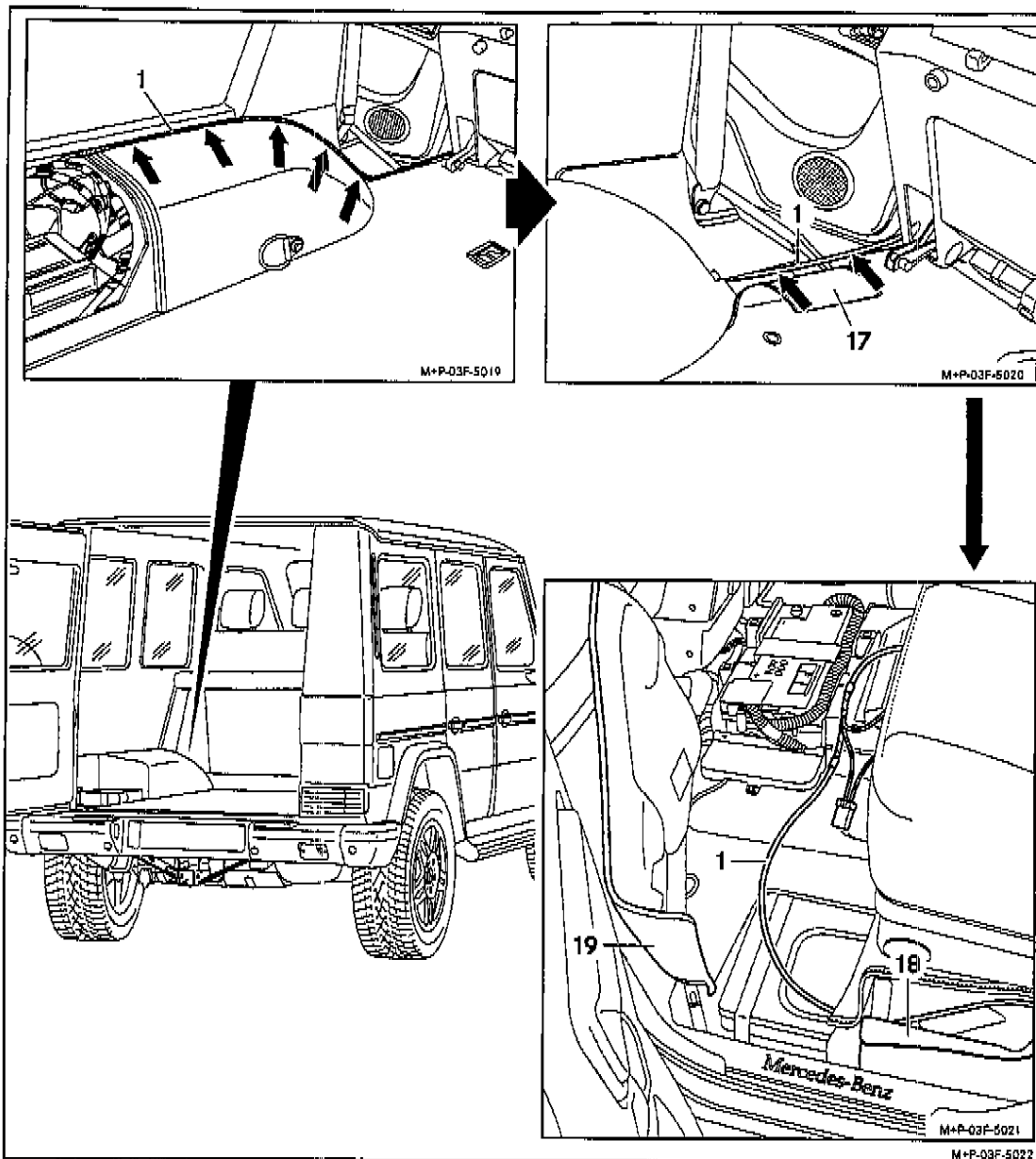
4. Carefully pull back the carpet section from the access cover (14) (as shown in the drawing).

5. On the access cover, draw a rectangle (14) with the following dimensions (as shown in the drawing): A = 0.8 in (20 mm), B = 0.6 in (15 mm). Cut out this section (cross-hatched area in drawing).

6. Be sure to deburr all edges of the cut-out area.

7. Insert the plug (2-wire) (4) into the pre-installed matching connector (15).

8. Route the wiring harness (1) so that the cable shield (16) is positioned where the cutout in the access cover will be located after the access cover (14) is replaced.



9. Fold the left section of the rear bench seat forward. For further information, refer to the vehicle Operator's Manual.

10. Slide the wiring harness (1) underneath the left side trim panel and route it to the left rear entrance threshold.

11. Pull the carpet (17) out from under the left side trim panel and route the wiring harness (1) underneath the left side trim panel.

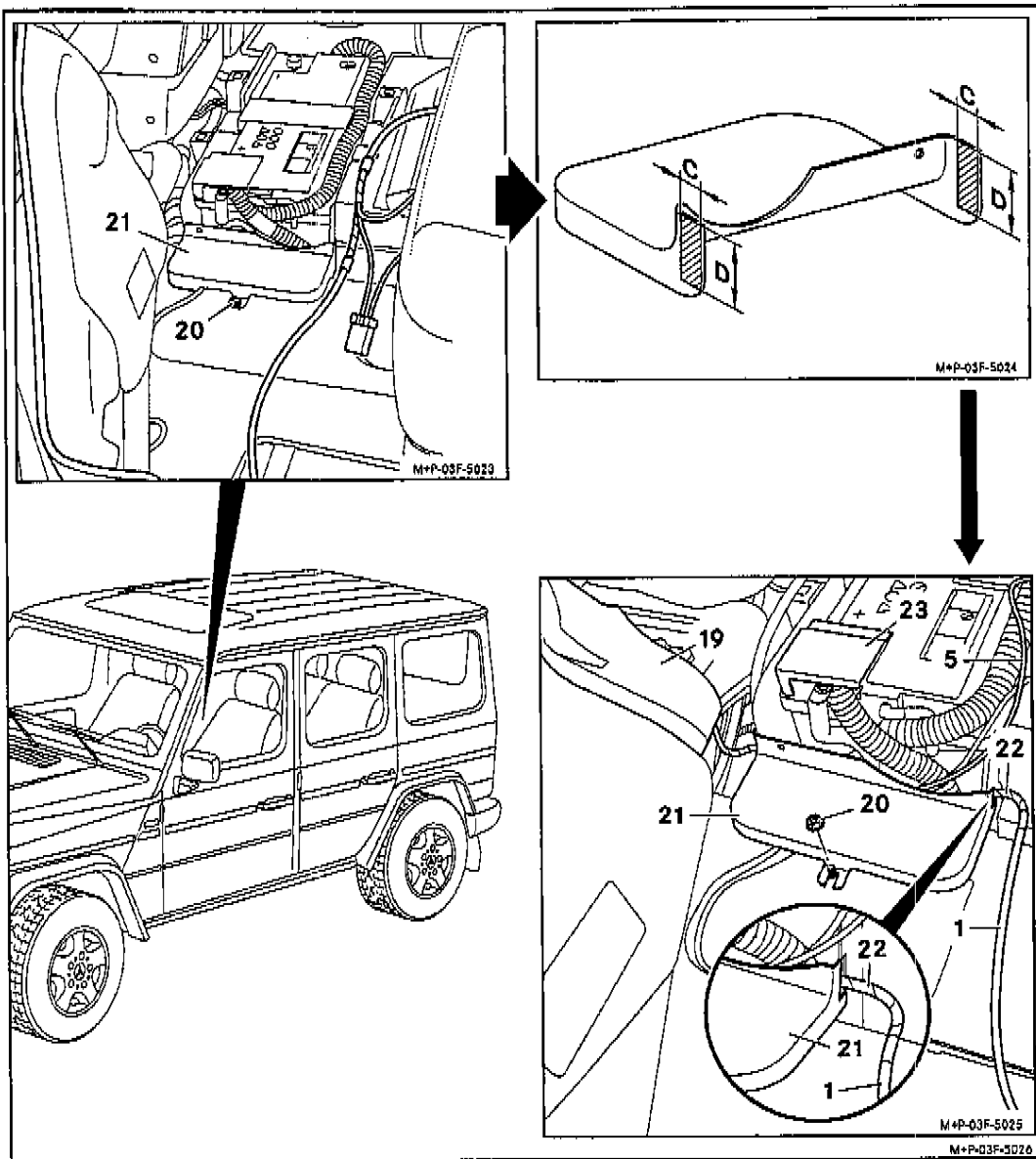
12. After the harness is in position, push the carpet (17) back underneath the left side trim panel.

13. Return the left section of the rear bench seat to its upright position. For further information, refer to the vehicle Operator's Manual.

14. Slide the driver's seat as far forward as it will go. For further information, refer to the vehicle Operator's Manual.

15. Lift up the carpet sections (18 and 19) and route the wiring harness (1) to the battery.

16. Replace the carpet (18) near the left section of the rear bench seat.



17. Unscrew the mounting nut (20) and remove the sheet metal cover (21).

18. On the left and right sides of the cover, draw a rectangle (14) with the following dimensions (as shown in the drawing): C = 0.2 in (5 mm), D = 0.8 in (20 mm). Cut out these two sections (cross-hatched areas in drawing).

19. Be sure to deburr all edges of the cut-out areas.

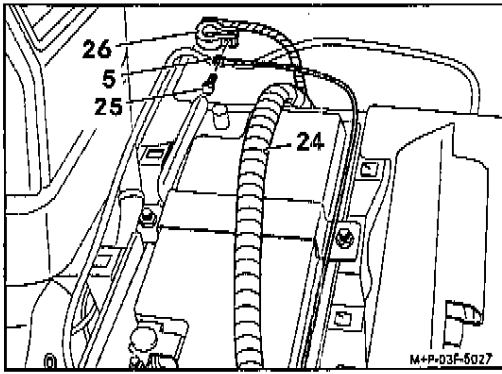
20. Route the ground wire (5) alongside the battery until it reaches the negative terminal of the battery.

21. Route the wiring harness (1) so that the cable shield (22) is positioned where the cutouts in the sheet metal cover will be located after the sheet metal cover (21) is replaced.

22. Replace the sheet metal cover (21) and secure it with the nut (20).

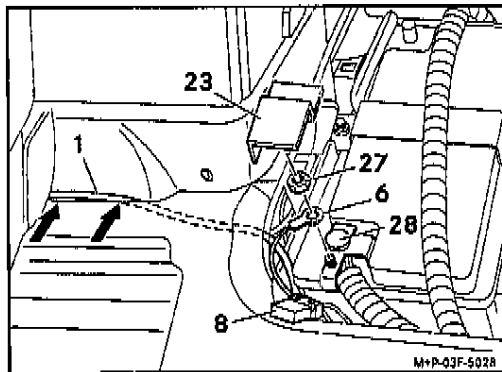
23. Replace the carpet (19) in the left rear footwell.

24. Remove the terminal post cover (23) from the positive terminal of the battery.



25. Lift the corrugated tube (24), and route the ground connector (5) from the wiring harness (1) underneath it. Then place the corrugated tube (24) back in its original position.

26. Remove the pinch bolt (25) from the previously disconnected negative terminal (25), slide the ground connector (5) over the bolt and then tighten the bolt (25) by hand until it sits against the negative terminal of the battery (26).



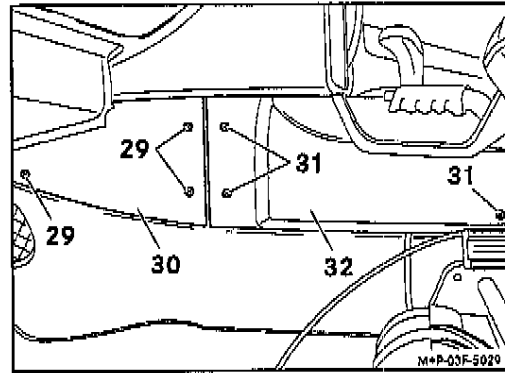
27. Unscrew the nut (27), connect the permanent-positive wire (6), then secure it with the nut (27).

28. Replace the terminal post cover (23) on the positive terminal of the battery (28).

29. Position the fuse holder (8) near the battery.

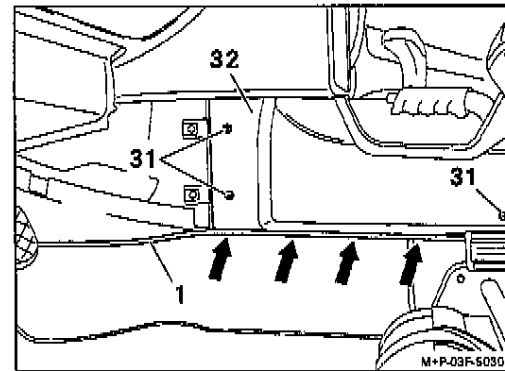
30. Run the wiring harness (1) underneath the left side of the center console until it reaches the pedal cluster.

31. Slide the driver's seat as far back as it will go. For further information, refer to the vehicle Operator's Manual.



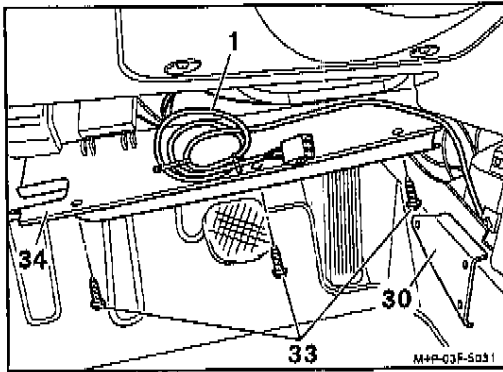
32. Remove the 3 screws (29) from the front side trim panel (30) and remove the panel.

33. Loosen the 3 screws (31) at the rear side trim panel (32) by approximately 3 turns.



34. Carefully lift the rear trim panel (32) and slide the wiring harness (1) underneath it.

35. Tighten the 3 screws (31) at the rear side trim panel (32).



36. Remove the 3 screws (33) from the underdash cover panel (34) located over the pedal cluster and pull the panel downward.

37. Route the wiring harness (1) from the center console to the underdash cover panel (34) located over the pedal cluster.

38. Form the wiring harness (1) into a loop and secure it with cable ties.

39. Replace the underdash cover panel (34) and the front side trim panel (30) (3 screws each) and tighten the screws.

40. Replace the cover for the control unit compartment in the cargo area and tighten the mounting screws.

41. Reposition the carpet on the cover. Replace the carpet trim strip and screw it down.

42. Reposition the cargo tie-down ring (10) and screw it down with the mounting screw (9).

43. Reconnect the battery, see Mercedes-Benz repair instructions AR54.10-P-0003G.

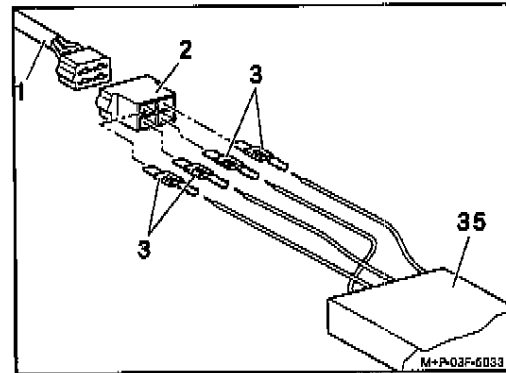
44. Disconnect quiescent current retention unit ("memory saver tool"), see Mercedes-Benz repair instructions AR54.10-P-0003PV.

G Connect the brake controller

The brake control unit is not supplied with the wiring harness and cannot be obtained through a Mercedes-Benz service center.

Important!

Please note that the colors of the wires at the brake controller may not necessarily match the colors of the corresponding wires in the wiring harness.



1. Strip insulation from the ends of the 4 wires extending from the brake controller (35).

2. Crimp a flat-pin connector (3) on to the end of each wire.

3. Insert the wires with the flat-pin connectors (3) into the brake controller terminal housing (2) so that the wires are matched up as follows:

Wire in wiring harness (1)	Wire in brake controller (35)
red	2.5 battery "+"
brown	2.5 ground "-"
green/black	1.5 stop switch
red/black	2.5 brake output

4. Plug the wiring harness plug into the socket at the brake controller (35).