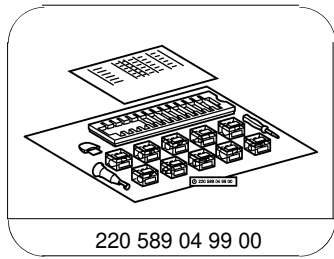


AZ54.71-P-0001-01ME	Retrofit Mercedes-Benz Dashcam wiring harness		
	Notes on the use of paint scraping nuts on ground connections		AH00.19-P-1000-20A
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on retrofitting electrical/optical lines		AH82.00-P-0000-01A

Model 167.1/9

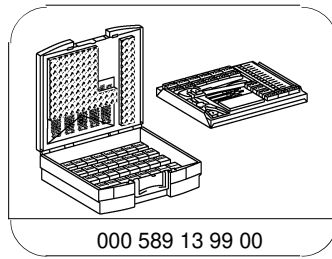
Nm Ground points

Number	Designation	Model 167
BA00.19-P-1033-01M	Left footwell ground point W34 Nm	10



220 589 04 99 00

New passenger car wiring harness repair kit

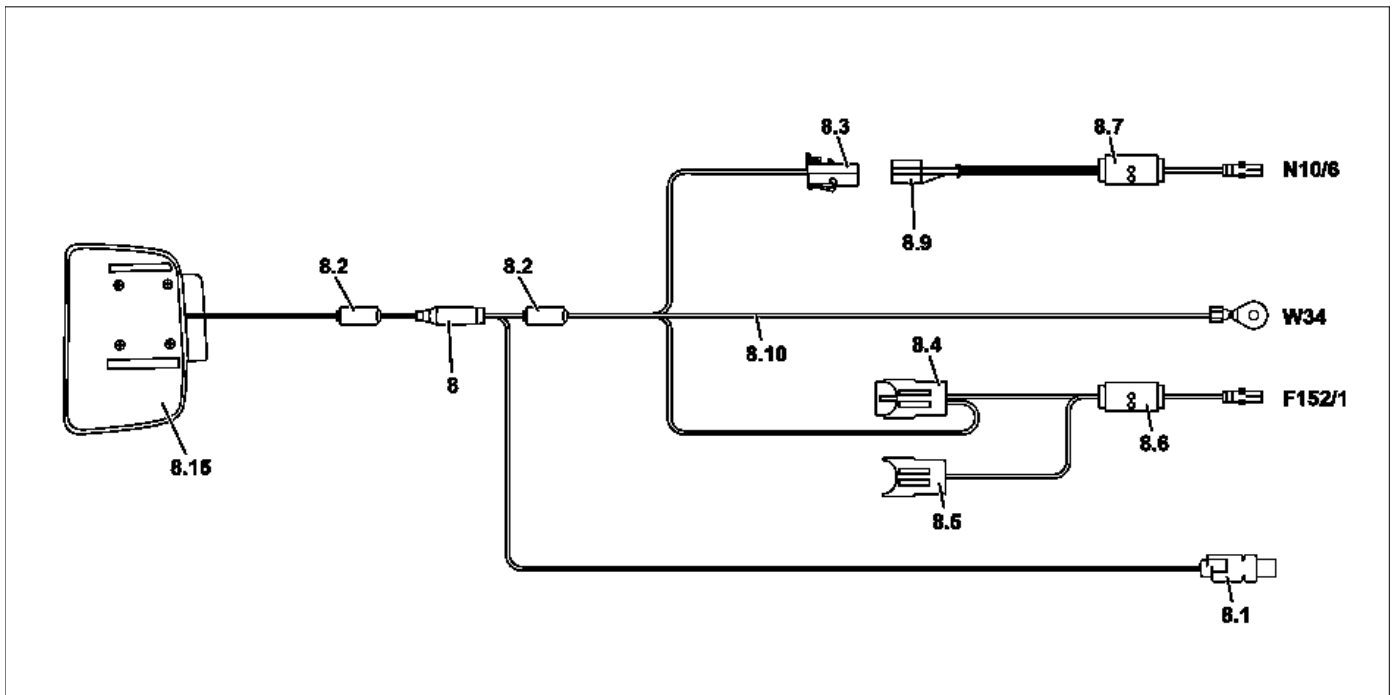


000 589 13 99 00

Wiring harness repair kit, basic

Repair materials

Number	Designation	Order number
BR00.45-Z-1133-06A	Silikonspray Silikon-Fluid, 0.4 l art. no. 0893 221 000	Adolf Würth GmbH & Co. KG Reinhold-Würth-Str. 12-17 74653 Künzelsau-Gaisbach Germany Tel. +49 7940 15-0 Fax +49 7940 15-1000 http://www.wuerth.de
BR00.45-Z-1144-02A	Adhesive tape roll, non-woven Tesa tape, 50 meters, 50 mm wide	A 008 989 50 85 09



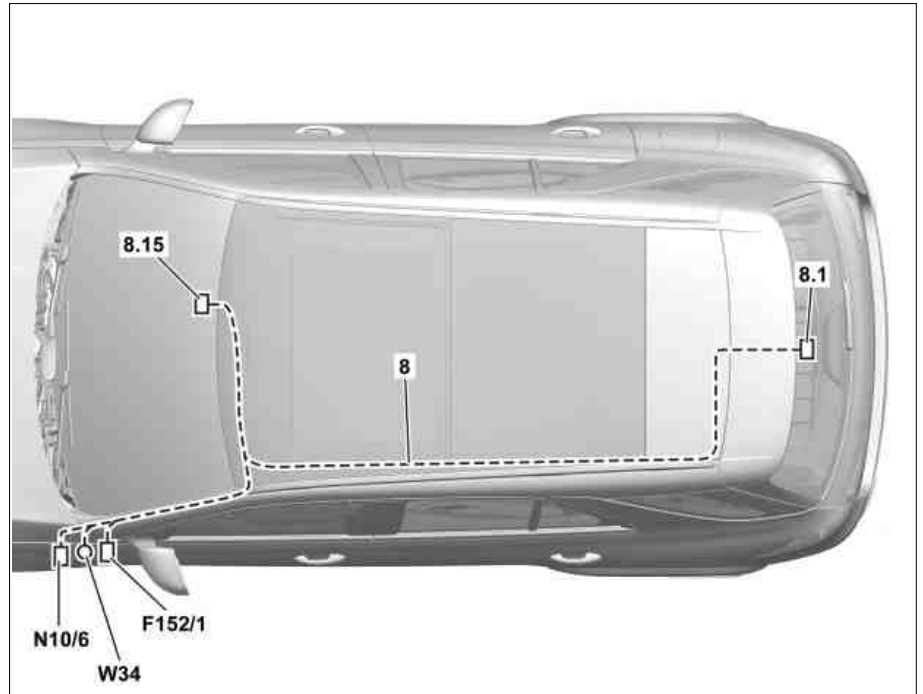
P54.71-A085-09

Connection scheme

8	Dashcam wiring harness	8.5	Fuse holder	8.15	Front dashcam mount
8.1	Black plug	8.6	Y-line	F152/1	Driver-side fuse and relay module
8.2	Ferrite core	8.7	Y-line	N10/6	Front signal acquisition and actuation module
8.3	Blue 2-pin connector	8.9	Blue 2-pin connector	W34	Left footwell ground point
8.4	Fuse holder	8.10	Ground cable		

Routing diagram "Retail"

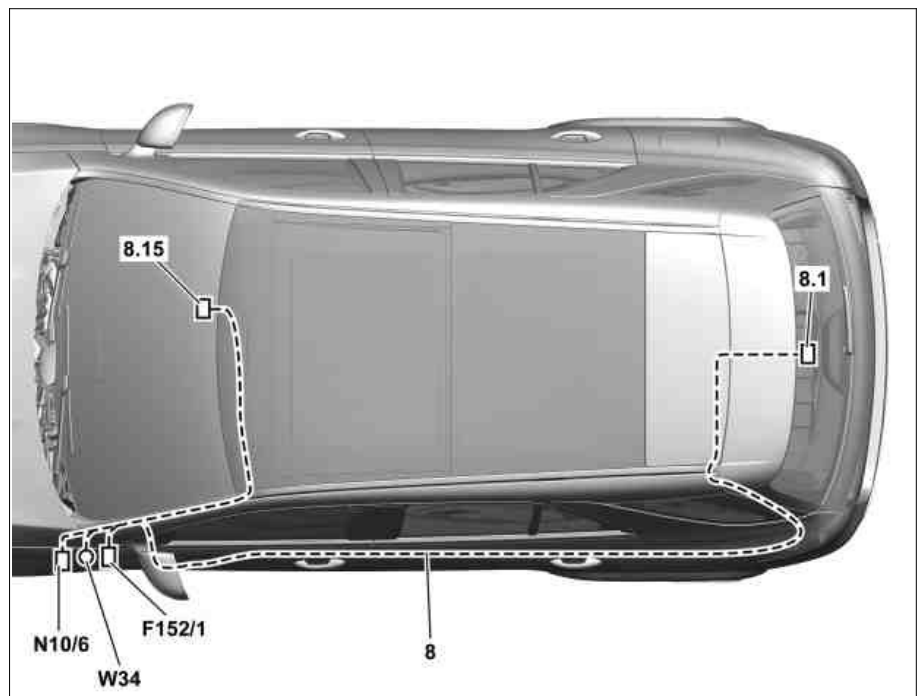
8	Dashcam wiring harness
8.1	Black plug
8.15	Front dashcam mount
F152/1	Driver-side fuse and relay module
N10/6	Front central control unit
W34	Left footwell ground point



P54.71-A086-06

Routing diagram "Vehicle Preparation Center"

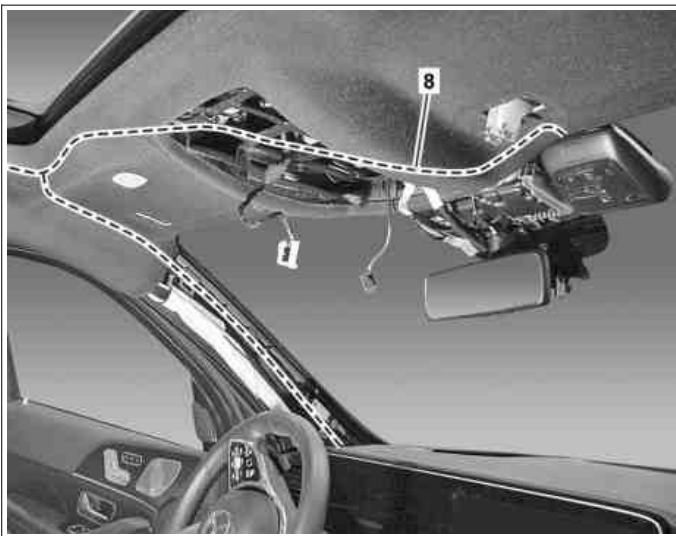
8	Dashcam wiring harness
8.1	Black plug
8.15	Front dashcam mount
F152/1	Driver-side fuse and relay module
N10/6	Front signal acquisition and actuation module
W34	Left footwell ground point



P54.71-A115-06

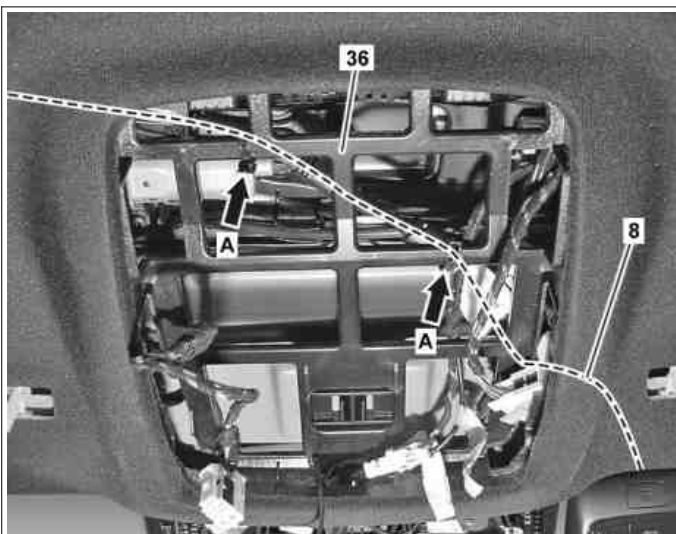
i The following work procedure is described using the routing diagram "Retail".

- 1 Route dashcam wiring harness (8) from front dashcam mount under roof lining to the left to the A-pillar.



P54.71-A087-11

- 2 Fasten ferrite cores of dashcam wiring harness (8) to overhead control panel mount (36) using cable ties (arrows A).




P54.71-A088-11

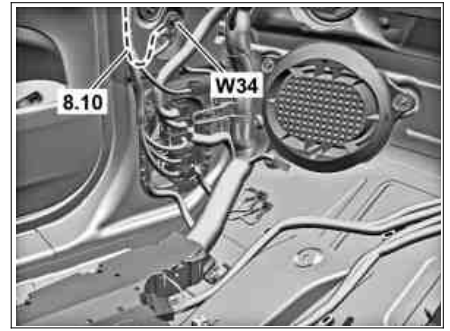
- 3 Route the three individual lines of the dashcam wiring harness (8) above the window airbag (30) up to the footwell.

i Route the three individual lines of the dashcam wiring harness (8) behind the crossmember for the instrument panel.



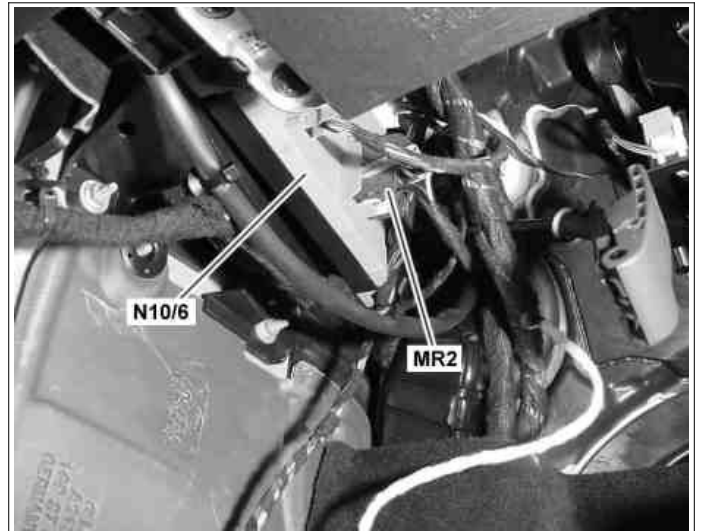
P54.71-A089-11

- 4 Route ground line (8.10) of dashcam wiring harness to left footwell ground point (W34) and connect. 






P54.71-A090-01

- 5 Remove violet coupling (MR2) from front central control unit (N10/6).
- 6 Remove gray 21-pin connector insert from violet coupling (MR2).

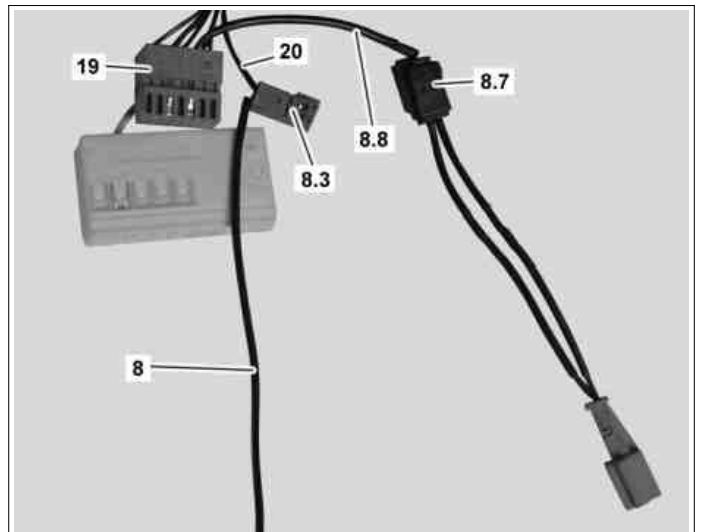


P54.71-A012-11

- 7 Remove line (20) from contact cavity "29" of gray 21-pin coupling insert (19).

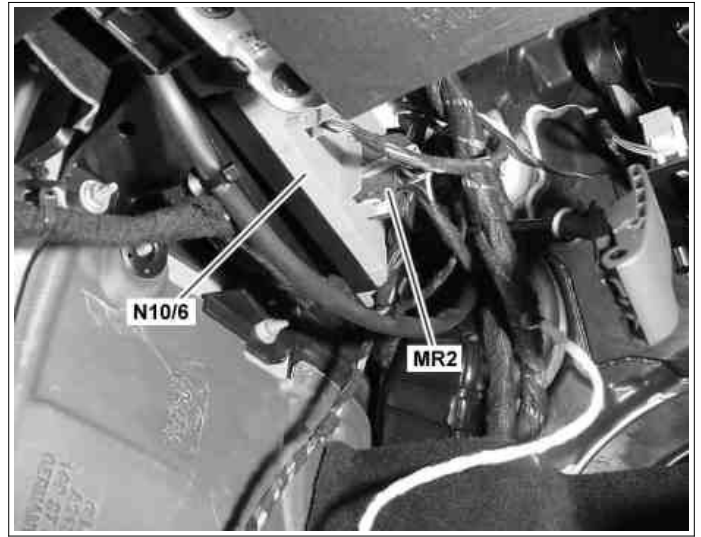
 The appropriate tool is available in the basic wiring harness repair kit  or the supplementary passenger car wiring harness repair kit .

- 8 Install line (20) in free contact cavity of blue 2-pin coupling (8.3) of dashcam wiring harness (8).
- 9 Lock blue 2-pin coupling (8.3).
- 10 Install line (8.8) of Y-line (8.7) into contact cavity "29" of gray 21-pin coupling insert (19).



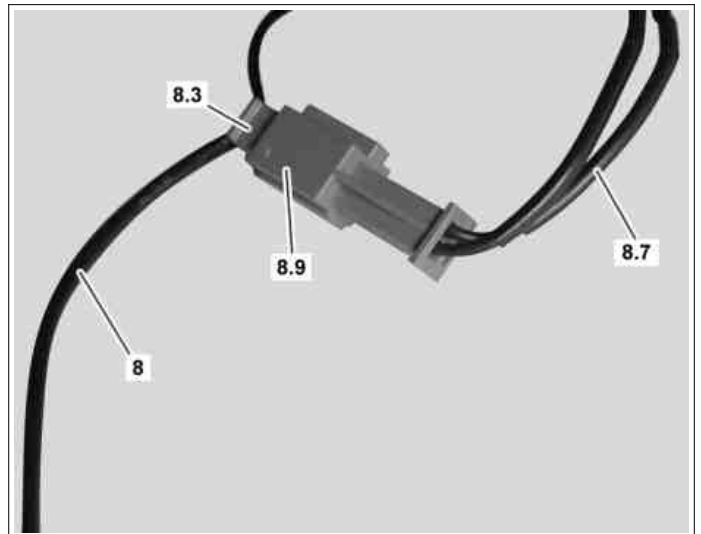
P54.71-A013-11

- 11 Install gray 21-pin coupling insert into violet connector (MR2).
- 12 Mount violet coupling (MR2) onto front central control unit (N10/6).



P54.71-A012-11

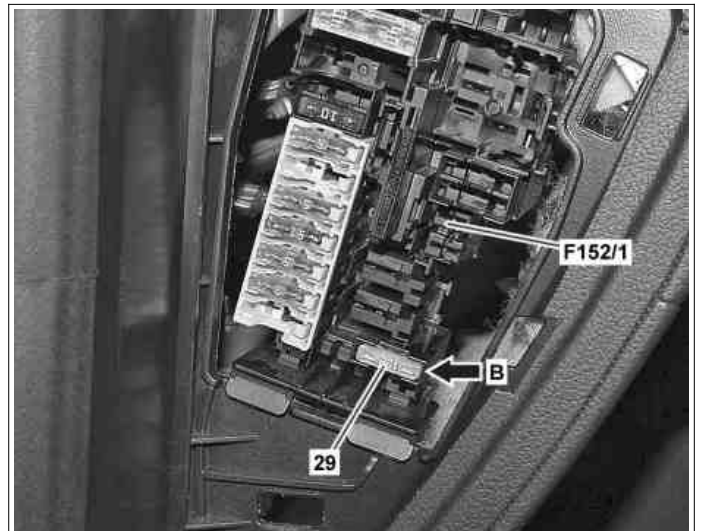
- 13 Connect blue 2-pin coupling (8.3) of dashcam wiring harness (8) to blue 2-pin plug (8.9) of Y-line (8.7).



P54.71-A014-11



- 14 Remove electrical fuse (29) from slot 213 (arrow B) of driver fuse and relay module (F152/1).

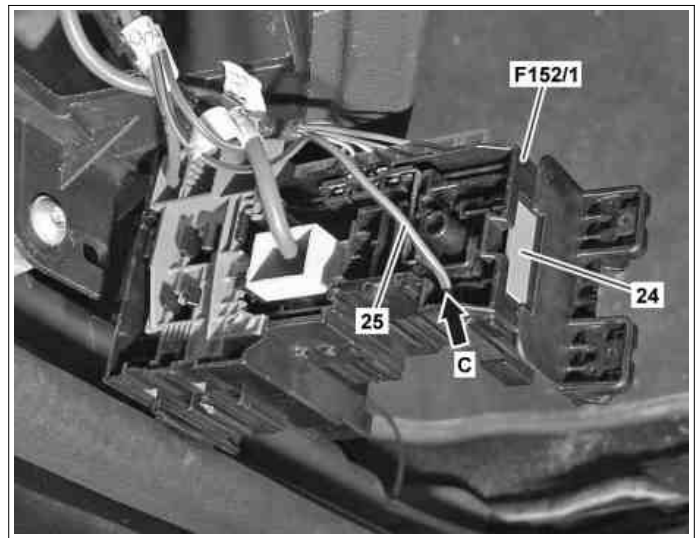
i The electrical fuse (29) is reused.
The fuse rating of the electrical fuse (29) is 20 A.



P54.71-A091-11

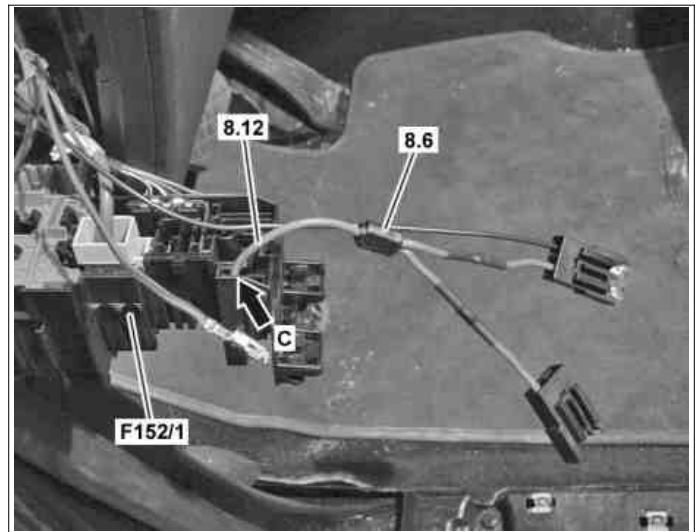
- 15 Remove lock (24) from driver fuse and relay module (F152/1).
- 16 Remove red/black line (25) from contact cavity "8" (arrow C) of driver fuse and relay module (F152/1).

i The appropriate tool is available in the basic wiring harness repair kit  or the supplementary passenger car wiring harness repair kit .



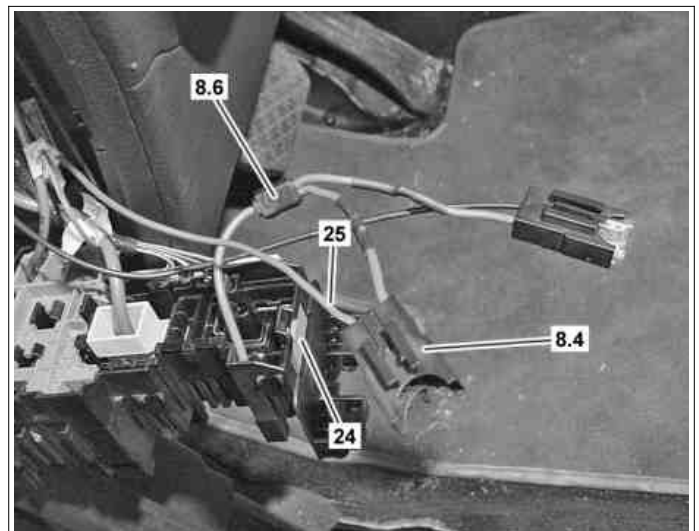
P54.71-A093-11

- 17 Install red line (8.12) of Y-line (8.6) into contact cavity "8" (arrow C) of driver fuse and relay module (F152/1).



P54.71-A094-11

- 18 Install removed red/black line (25) into free contact cavity of fuse holder (8.4) of Y-line (8.6).
- 19 Attach lock (24) to driver fuse and relay module.

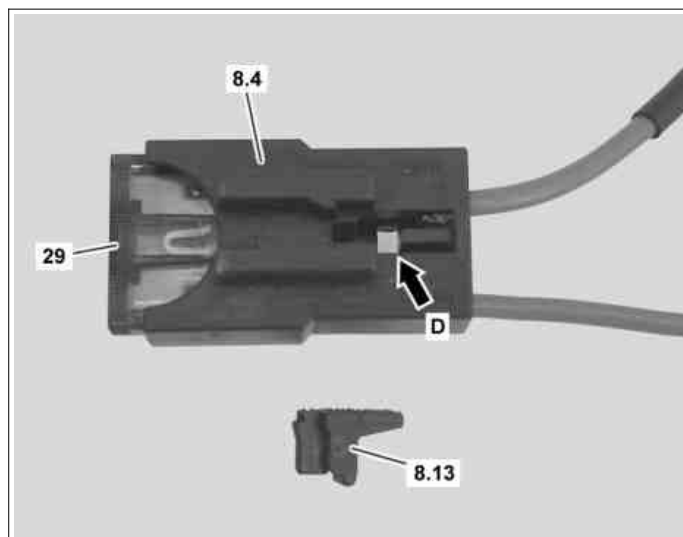


P54.71-A095-11

20 Install lock (8.13) into fuse holder (8.4) (arrow D).

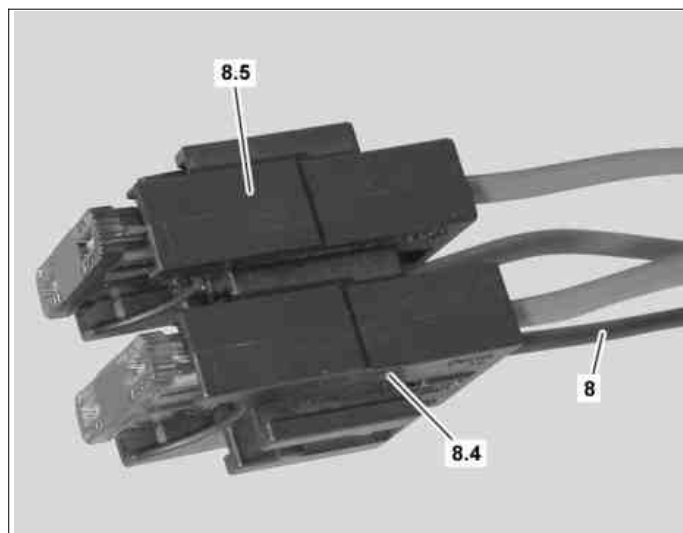
21 Install electrical fuse (29) into fuse holder (8.4).

i The electrical fuse (29) was removed beforehand.
The fuse rating of the electrical fuse (29) is 20 A.



P54.71-A019-11

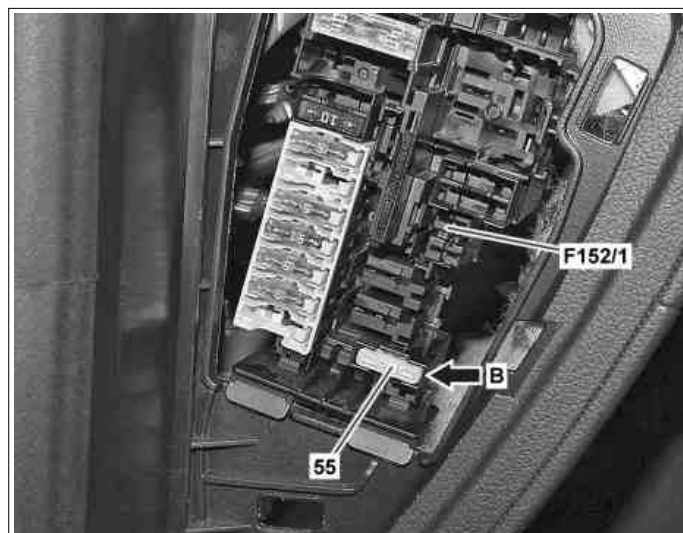
22 Plug both fuse holders (8.4, 8.5) of dashcam wiring harness (8) together.



P54.71-A020-11

23 Install the electrical fuse (55) included in the parts kit into slot 213 (arrow B) of the driver fuse and relay module (F152/1).

i The fuse rating of the electrical fuse (55) is 25 A.



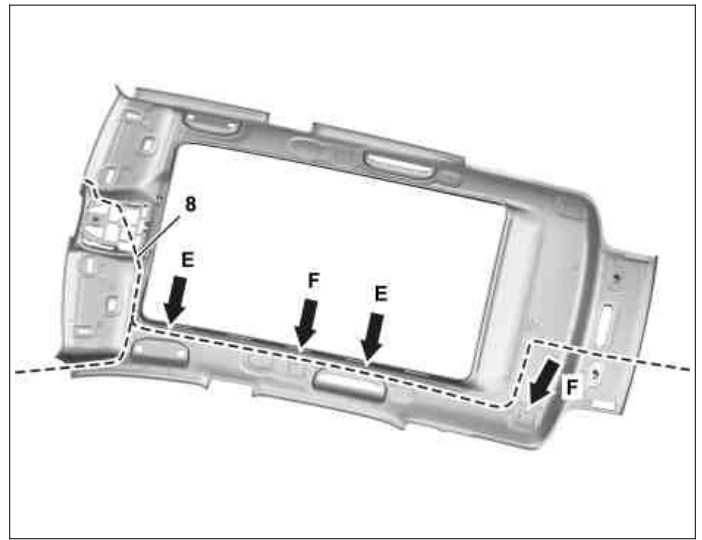
P54.71-A092-11

- 24 Route branch-off line for rear dashcam of dashcam wiring harness (8) on roof lining towards rear up to center of roof lining.

i Route branch-off line for rear dashcam behind mounts for front and rear grab handles (arrows E) and covers of mounting eyes for partition net (arrows F).

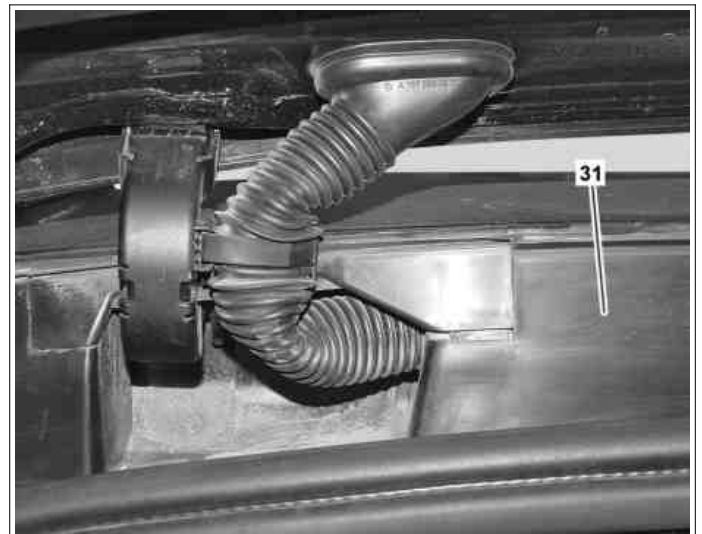
- 25 Strap down excess lengths of dashcam wiring harness (8) in area of A-pillar.
- 26 Fasten dashcam wiring harness (8) on roof lining using felt adhesive tape.

Shown with removed roof lining



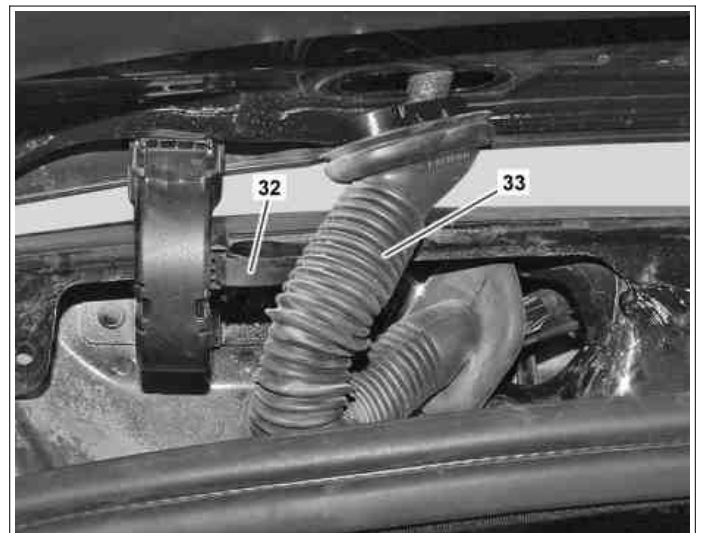
P54.71-A096-11

- 27 Remove rear roof frame cover (31).



P54.71-A097-11

- 28 Open bracket (32) on left side of vehicle and remove cable duct (33).
- 29 Remove cable duct (33) from liftgate and from rear roof frame.

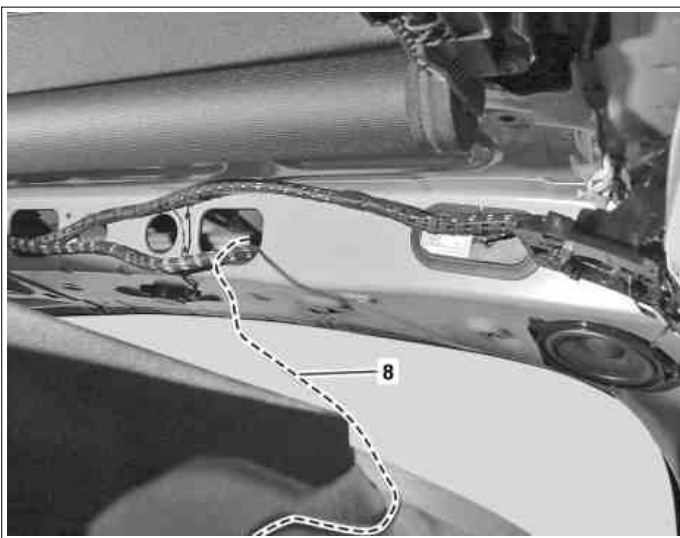


P54.71-A098-11

- 30 Route dashcam wiring harness (8) through opening in rear roof frame up to opening for cable duct at rear roof frame.

i Use a pull-through device.

Shown with removed roof lining



P54.71-A099-11

- 31 Route dashcam wiring harness (8) through cable duct (33) into liftgate.

- 32 Route dashcam wiring harness (8) by dimension (a) beyond center of liftgate (line b) towards right.

i **Dimensions:**

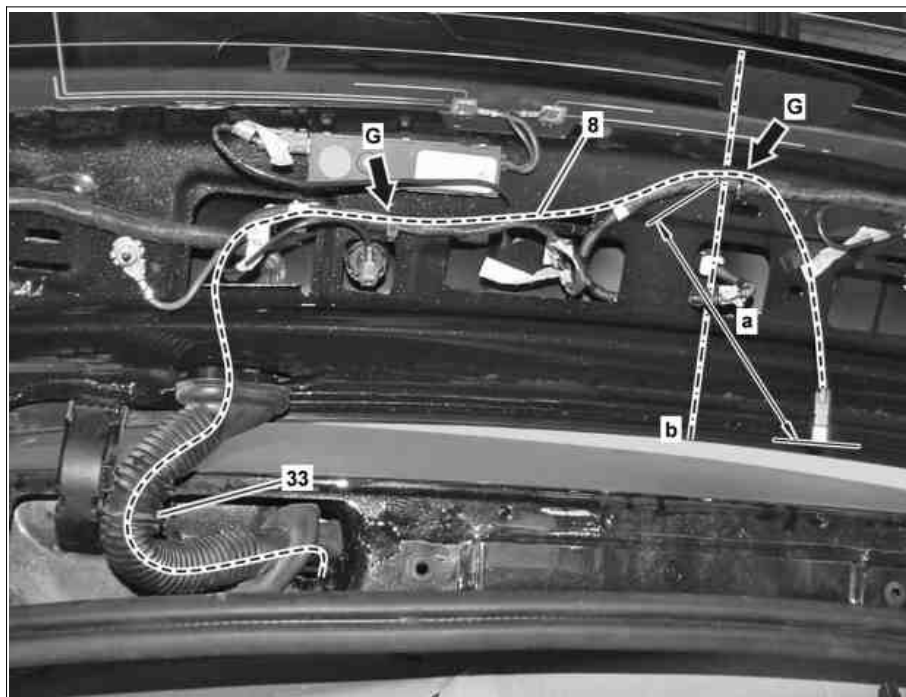
a = 150 mm

Use a pull-through device.

Silicone spray must be applied to the cable duct (33) on the inside before routing.

- 33 Fix dashcam wiring harness (8) in place using cable ties (arrows G).

- 34 Attach cable duct (33).



P54.71-A100-06