

Odor like crayon or vinegar entering the passenger compartment through the ventilation system (USA)

Topic number	LI00.00-P-066036
Version	1
Design group	00.00 General
Date	04-19-2017
Validity	Model 166 only
Reason for change	
Reason for block	

Complaint:

Complaint of alleged odor, described as crayon or vinegar, entering the passenger compartment through the ventilation system after vehicle start.

Cause:

Odors can be caused by a variety of root causes unrelated to any issue with the vehicle or any of its component parts, including individual use, misuse and/or maintenance of the vehicle.

Perception and description of odors are also highly subjective. Accordingly, the instructions referenced herein are provided to assist you in diagnosing the cause, if possible, of an alleged odor.

Attachments	
File	Description
ODOR CHECKLIST AND WORKSHOP INSTRUCTION (Model 166 only).pdf	Odor checklist and workshop instruction

Remedy:

Make sure that you have processed LI00.00-P-066047 before processing the remedial actions described below. Before completing the remedial actions described below, you must fill out the document "ODOR CHECKLIST AND WORKSHOP INSTRUCTION", this checklist must be included with the warranty claim. See attachment file.

Operation steps on W/X166

The following disassembly operations must be carried out before sealing the bodysHELL openings:

- Remove trim from A-pillar (top) on left and right
- Remove trim from A-pillar (bottom) on left and right
- Remove cover under instrument panel on left
- Remove cover under instrument panel on right
- Remove glove compartment housing
- Remove control units on right A-pillar (depending on equipment, radar sensors, Night View Assist, SAM)
- Remove left and right front seat
- Remove trim on left and right B-pillar
- Remove seat belt (front seat) on left and right
- Remove front and rear door sill on left and right
- Remove longitudinal member panel on left and right or side running board on left and right (depending on equipment variant)

Further operation steps on X166

XENTRY TIPS

- Remove trim for spare wheel
- Remove left and right trim in trunk
- Remove rear seat cushions

Close/seal body-in-white openings on W/X166

Seal body-in-white openings as per "BR166 Sealing bodyshell openings.pdf".

The notes provided in the work instructions must always be observed.

Make sure that the body-in-white openings are completely closed after the masking/sealing/foaming operations.

Operation steps after closing/sealing body-in-white openings on W/X166

- Clean evaporator of air conditioning system
- Clean evaporator of air conditioning system in rear passenger compartment
- Replace combination filter
- Replace dust filter for heater/ventilation

Final operation steps on W/X166

- Assemble vehicle.

NOTE: For vehicles that still have a complaint of odor after the above steps have been performed, please create a PTSS case including the checklist in Part A, and a description of the steps performed to date.

Attachments	
File	Description
BR166 Sealing bodyshell openings_Page_1-19.pdf	BR166 Sealing bodyshell openings_Page_1-19
BR166 Sealing bodyshell openings_Page_20-40.pdf	BR166 Sealing bodyshell openings_Page_20-40

Symptoms
Body / Air conditioning / Air conditioning / Odor

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 001 998 81 50			Stop plug (40 mm)	4		X
A 003 997 55 86			Stop plug (20 mm)	2		X
A 006 989 30 85			Tape (46 mm)	46	Depending on equipment variant	X
A 166 830 72 01			Fine particle filter	1		X
A 166 830 02 18			Dust filter	1		X
A 000 989 46 00	09		Air conditioning system cleaner	1	Only use the specified air conditioning system cleaner	X
A 002 989 63 98			Seam seal	1	Only use the specified seam seal material	X
A 000 989 35 73			Acoustic foam	2		X
A 000 998 11 90			Stop plug (6.5 mm)	3		X
A 007 997 56 90			Cable tie	4		X
A 000 991 86 98			Clips	4		X
A 166 682 87 00			Damping	1		X
A 166 682 88 00			Damping	1		X
A 166 686 00 36			Cover rail, outer left rear	1		X
A 166 686 04 36			Cover rail, outer right rear	1		X
A 166 686 19 36			Cover rail, outer left rear	1	Must be ordered on vehicle-specific basis Code:-832+802/-703+802/-832+80	X

XENTRY TIPS

A 166 686 19 36		Cover rail, outer right rear	1	Must be ordered on vehicle-specific basis Code:-832+802/-703+802/-832+80	X
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Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
00-0000	BR166 SEALING BODYSHELL OPENINGS		97801 01	

WIS-References			
Document number	Title	Note	Allocation
AR68.30-P-4050WX	Remove/install trim on left and right A-pillar (top)		Parts
AR68.30-P-4100GQ	Remove/install front and rear door sill on left and right		Parts
AR68.10-P-1500GQ	Remove/install cover under instrument panel on left		Parts
AR68.10-P-1520GQ	Remove/install cover under instrument panel on right		Parts
AR68.10-P-1400GQ	Remove/install glove compartment housing		Parts
AP83.00-P-8381GQ	Replace dust filter for heating/ventilation		Remedy
AR54.65-P-0040GQ	Remove/install radar sensors control unit	With code 233, 237, 238	Parts
AR54.30-P-3100GQ	Remove/install Night View Assist control unit	With code 610	Parts
AR54.21-P-1254GQ	Remove/install front SAM control unit		Parts
AR83.30-P-5555GQ	Clean evaporator of air conditioning system		Remedy
AD00.00-P-2000-04A	Connect STAR DIAGNOSIS, read out fault memory		Parts
AR83.00-P-8384C	Replace combination filter,	remedy	Remedy
AR83.50-P-9105GQA	Clean evaporator of air conditioning system in rear passenger compartment		Remedy
AR68.30-P-4800GQ	Remove/install side trim in trunk on left and right	Only with X166	Parts
AR68.30-P-4620GQ	Remove/install trim for spare wheel well	Only with X166	Parts
AR88.30-P-2400GQ	Remove/install side running board on left and right	Depending on equipment variant	Parts

XENTRY TIPS

AR88.80-P-6000GZ	Remove/install longitudinal member panel on left and right	Depending on equipment variant	Parts
AR91.40-P-1010GGQ	Remove / install seat belt (front seat) left and right		Parts
AR68.30-P-4700GQ	Remove / install paneling on B- pillar left and right		Parts
AR91.10-P-1000GQ	Remove / install front seat left and right		Parts

ODOR CHECKLIST AND WORKSHOP INSTRUCTION

This odor checklist and workshop instruction should assist the authorized dealer in addressing customer claims of odors. This document contains proprietary information and therefore should not be given to customers or others outside the dealership.

PART A contains a number of questions that the responsible customer account manager should put to the customer in a personal meeting. Please mark the customer's replies where required.

PART B contains further information that should assist the authorized dealership to diagnose and address the alleged issue described by the customer.

PART A

Relevant Vehicle

VIN/FIN: _____

First Registration: _____

Date of repair: _____

Mileage: _____

When is the odor perceived?

- ☐ Immediately upon boarding the vehicle
- ☐ The odor was perceivable in the new vehicle
- ☐ The odor grew stronger with increasing vehicle age
- ☐ The odor is stronger in certain areas of the vehicle
 - ☐ front ☐ back ☐ left ☐ right ☐ trunk
 - Others:
- ☐ When the windows and/or the sunroof are open while the vehicle is on drive

Air conditioning setting

- Temperature setting: left:°C right:°C
- Air conditioning (AC): ☐ ON ☐ OFF
- Recirculated air: ☐ ON ☐ OFF
- Automatic mode: ☐ ON ☐ OFF
-
- With manual adjustment
air distribution: ☐ Top ☐ Center ☐ Bottom
- Blower stage:
- Defrost: ☐ ON ☐ OFF

Under which environmental conditions does the odor occur (multiple answer is possible)

- ☐ Summer ☐ Winter ☐ Rainy season ☐ Dry season
- Others:

On which state of the vehicle is the odor perceived?

- ☐ Ignition on ☐ As from engine start
- Others:

ODOR CHECKLIST AND WORKSHOP INSTRUCTION

How long is the odor perceivable?

- ☐ Less than 1 minute
- ☐ more than 3 minutes
- ☐ After the first occurrence constantly while the vehicle is in motion

In which driving situation is the odor perceived?

- | | |
|-----------------------------------|---|
| ☐ City | ☐ Traffic jam |
| ☐ Highway | ☐ (Start-Stop) at a traffic signal |
| ☐ Motorway | ☐ In all driving situations |

Can you describe this odor?

Please ask the customer to explain and describe the odor as detailed as possible in his/ her own words. A generic explanation is not sufficient. If the customer is unable to explain the odor please keep the potential odor associations in mind as set out in Part B.

Has there already been performed a body repair on the vehicle, or has been brought in for cavity protection?

- ☐ Yes, we worked on the following body section:
- ☐ No

PART B

The following information should assist the authorized dealership to diagnose and address the alleged issue described by the customer. Should the authorized dealership require further information, we also refer them to the climate control diagnostic tree (attached).

1) Current state of the vehicle in terms of checking for moisture

- Body leaks
- Condensation hoses
- Check air intake
- Sliding roof drainage
- Water drains

2) Current state of the vehicle in terms of odor

- Cigarette smell/ashtrays
- Air fresheners
- Damping mats/fabrics (e.g. firewall, transmission tunnel. Odor test with shift gate opened)
- Odor due to foreign objects (e.g. organic material leaves etc.)
- Animal hair (pets)
- Food leftovers or spilt fluids
- Miscellaneous
- Freely available accessories (e.g. floor mat, seat cover, mobile-pads, etc.)

3) Evidence of past state of vehicle

- Water/flood damage
- Stains on upholstery/carpeting/headliner
- Body/accident damage that might implicate interior water leaks

4) Care condition of the interior compartment:

☐ very well ☐ medium ☐ poor

5) Condition of air intake and filter

- ☐ Has filter been maintained regularly
- ☐ Condition of filter
 - ☐ clean ☐ dirty

6) Potential explanation based on vehicle condition and alleged odors

***NOTE:** Odors can be caused by a variety of things unrelated to any issue with the vehicle or any of its component parts, including individual use, misuse and/or maintenance of the vehicle. Perception and description of odors is also highly subjective. Accordingly, the instructions referenced herein are provided to assist you in diagnosing the cause, if possible, of an alleged odor.

a) Test the vehicle immediately upon boarding.

Required settings: *engine OFF*
 AC OFF
 blower level OFF

<u>Type of Odor</u>	<u>Potential Explanation</u>
Sour/ vomit	Contamination by protective cardboards in newly delivered vehicle/ sickness by vehicle occupant/ spilt fluids or food
Fishy	Leather, foam upholstery (seats)
Onion / sweat	Headlining
Mineral oil / clay	Firewall paneling, carpets, gearbox tunnel absorption, absorption under the rear seats, body cavity sealing
Musty / mildew	Humidity in the vehicle (e.g. under the carpet, in the trunk etc.)
Straw / wood	Carrier (door panel; side wall cover etc.)
Putrefaction	Dead animal in ventilation, interior compartment, possibly engine compartment
Rubber	Edge protection, door seal, spare tire

b) Proceed the following tests after preconditioning the car.

Preconditioning (step1): *engine ON*
 AC ON
 recirculation mode OFF
 blower level 1
 temperature setting LOW
 air distribution center vents
 keep settings for 5 min.

Preconditioning (step2): *engine: OFF*
 AC OFF
 recirculation mode OFF
 blower level 4
 temperature setting: 21 Grad Celsius / 67 Grad Fahrenheit
 air distribution center vents
 keep settings for 5 min.
 (this setting will dry off the evaporator completely)

ODOR CHECKLIST AND WORKSHOP INSTRUCTION

Test I

Required settings: *engine: OFF*
 AC OFF
 recirculation mode OFF
 blower level 3
 temperature setting: 21 Grad Celsius / 67 Grad Fahrenheit
 air distribution center vents

<u>Type of Odor</u>	<u>Potential Explanation</u>
Musty / mildew	Air filter, test the water separation. If acidic, this LI00.00-
Acidic	P-066036 is intended to address this complaint.

Test II

Required settings: *engine OFF*
 AC OFF
 recirculation mode ON
 blower level 3
 temperature setting: 21 degrees Celsius / 70 degrees Fahrenheit
 air distribution center vents

<u>Type of Odor</u>	<u>Potential Explanation</u>
Mineral oil / clay	Carpet, Firewall paneling, gearbox tunnel absorption . If acidic,
Acidic	this LI00.00-P-066036 is intended to address this complaint.

Test III

Required settings (step1): *engine ON*
 AC ON
 recirculation mode OFF
 blower level 3
 temperature setting: 21 degrees Celsius / 70 degrees Fahrenheit
 air distribution center vents

<u>Type of Odor</u>	<u>Potential Explanation</u>
Cement or damp laundry	No problem of the Air conditioning, physical reasons. (Do not replace the air conditioning parts!)

ODOR CHECKLIST AND WORKSHOP INSTRUCTION

Required settings (step2): engine OFF
AC OFF
recirculation mode OFF
blower level 4
temperature setting: 21 degrees Celsius / 70 degrees Fahrenheit
air distribution center vents
keep settings for 5 min.

<u>Type of Odor</u>	<u>Potential Explanation</u>
Cement or damp laundry	No problem of the air conditioning, physical reasons (Do not replace the air conditioning parts!) If acidic, this LI00.00-P-066036 is intended to address this complaint.
Acidic	

- c) Test drive vehicle with windows / sunroof slightly open**
(If the odor occurs while the vehicle is in motion and windows and/or sunroof are opened)

Required settings: engine ON
AC OFF
recirculation mode OFF
blower level OFF
test drive vehicle with windows / sunroof slightly open (appx. 4 inches)

<u>Type of Odor</u>	<u>Potential Explanation</u>
Like wax	This LI00.00-P-066036 is intended to address this complaint.

NOTE: For vehicles that still have a complaint of odor after the above steps have been performed, please create a PTSS case including the checklist in Part A, and a description of the steps performed to date.



W/X 166 – Sealing bodyshell openings

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Date of issue: 2016.10.21
GSP/TPB I



Mercedes-Benz

Contents

1. BR166 – Sealing bodyshell openings

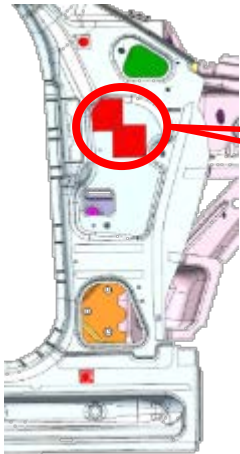


2. Replacement parts



BR166 - Sealing bodyshell openings

Fault location
A-pillar, top, inside



Item number
A 001 998 81 50



Bodyshell holes open



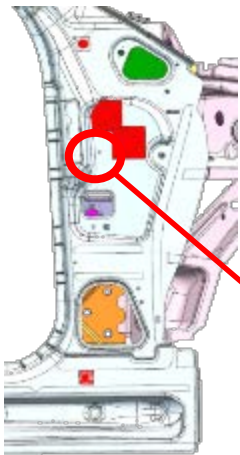
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides

BR166 - Sealing bodyshell openings

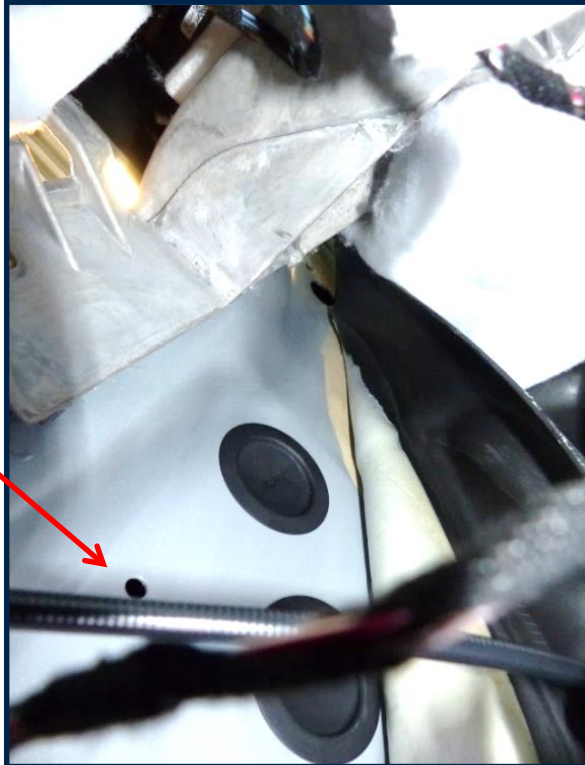
Fault location
A-pillar, center, inside



Item number
A 006 989 30 85



Bodyshell holes open



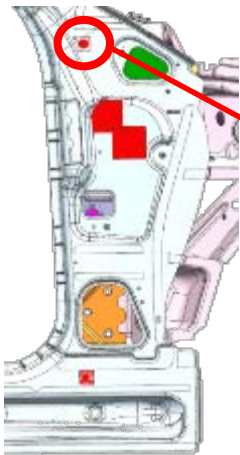
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides

BR166 - Sealing bodyshell openings

Fault location
A-pillar, top, inside



Item number
A 003 997 55 86



Bodyshell holes open



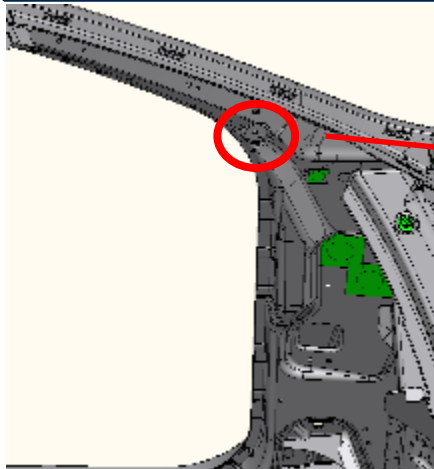
Bodyshell holes sealed



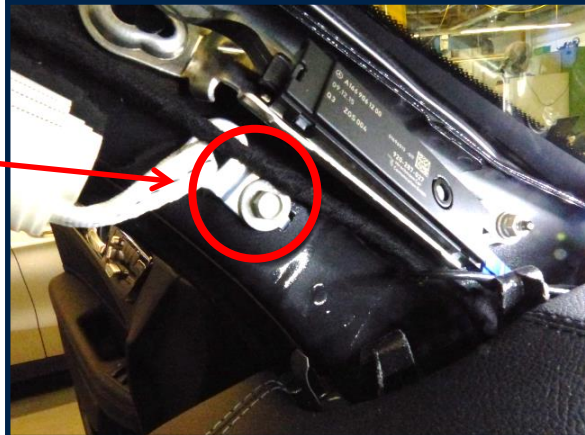
Note: Perform task on left- and right-hand sides.

BR166 - Sealing bodyshell openings

Fault location
A-pillar, top, inside



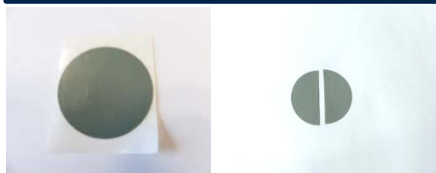
Bodyshell holes open



Bodyshell holes sealed



Item number
A 006 989 30 85



Adhesive pad, cut

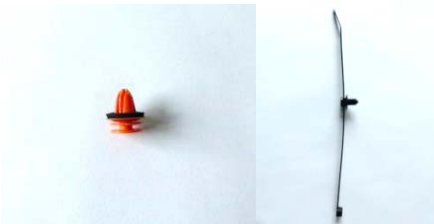
Note: Perform task on left- and right-hand sides. Adapt adhesive tape.

BR166 - Sealing bodyshell openings

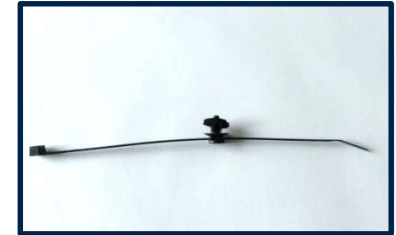
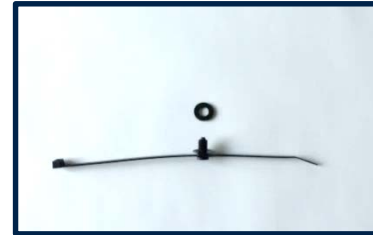
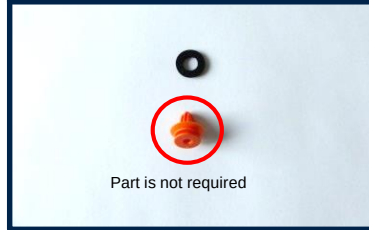
Fault location
A-pillar, right



Item number
A 000 991 86 98
A 007 997 56 90



Preparatory steps



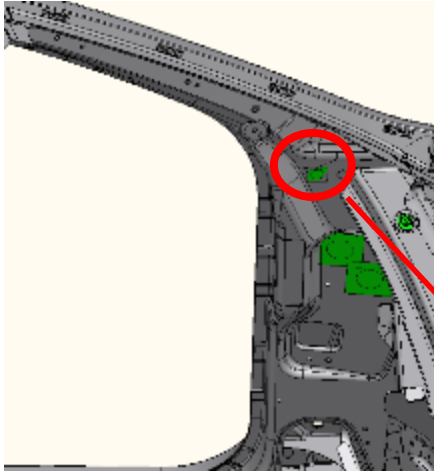
Bodyshell holes sealed



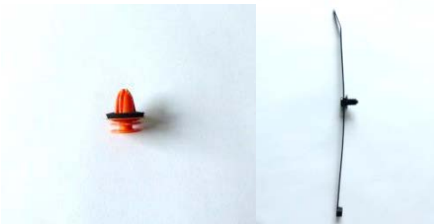
Note: Perform task on left-hand side. Check right-hand side (depending on equipment variant). Remove seal (black) of the plastic clip (orange) and install onto the cable strap to seal. Disconnect the cable fastening fixture from the cable harness (e.g. using side cutting pliers) and fasten with the prepared cable strap

BR166 - Sealing bodyshell openings

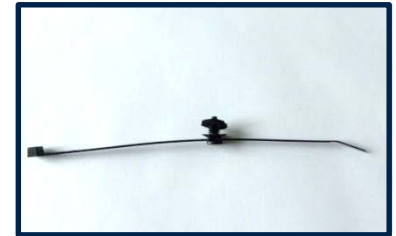
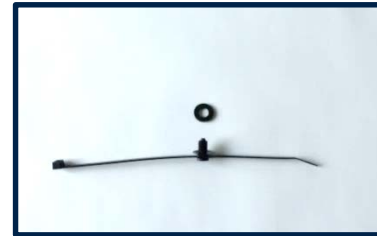
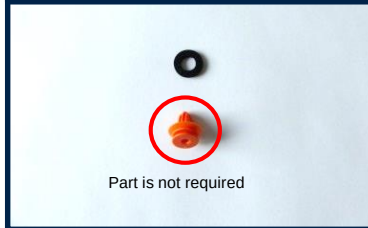
Fault location
A-pillar, top, inside



Item number
A 000 991 86 98
A 007 997 56 90



Preparatory steps



Bodyshell holes open



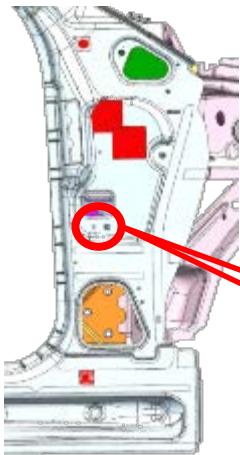
Bodyshell holes sealed



Note: Perform task on left-hand side. Check right-hand side (depending on equipment variant). Remove seal (black) of the plastic clip (orange) and install on the cable strap to seal. Disconnect the cable fastening fixture from the cable harness (e.g. using side cutting pliers) and fasten with the prepared cable strap

BR166 - Sealing bodyshell openings

Fault location
A-pillar, center, inside



Item number
A 006 989 30 85



Bodyshell holes open



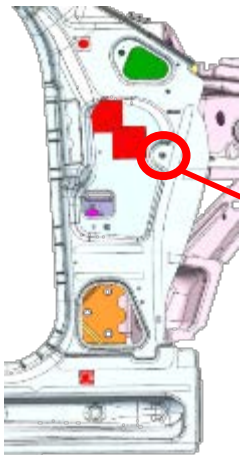
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides. Adapt adhesive tape.

BR166 - Sealing bodyshell openings

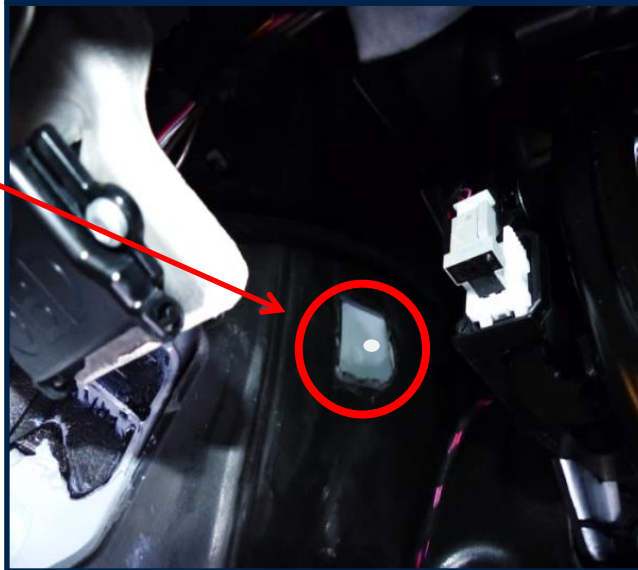
Fault location
A-pillar, center, inside



Item number
A 006 989 30 85



Bodyshell holes open



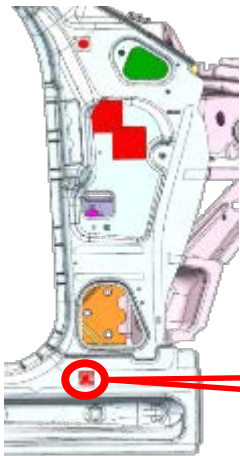
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides (undo damping if necessary)

BR166 - Sealing bodyshell openings

Fault location
A-pillar, bottom, inside



Item number
A 006 989 30 85



Bodyshell holes open



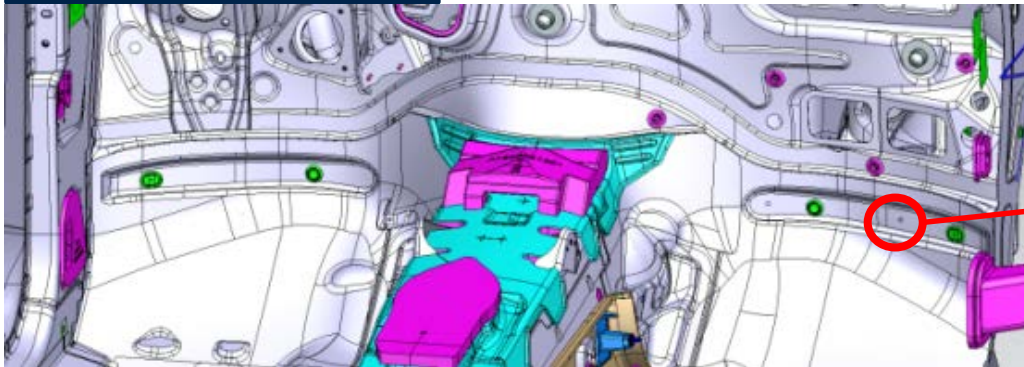
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides

BR166 - Sealing bodyshell openings

Fault location
Bulkhead/pedal floor



Item number
A 000 998 11 90



Bodyshell hole open



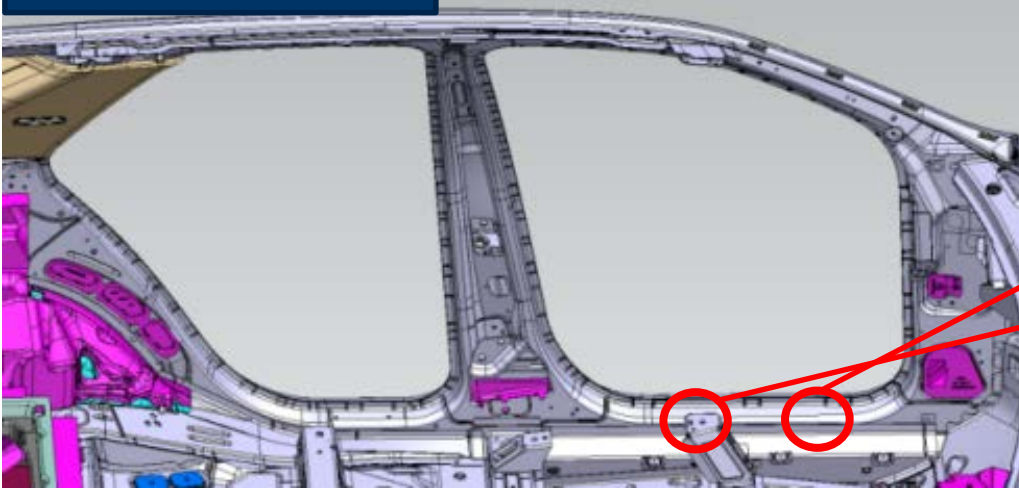
Bodyshell hole sealed



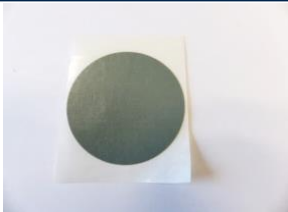
Note: Perform measure on the right-hand side for left-hand-drive vehicles.

BR166 - Sealing bodyshell openings

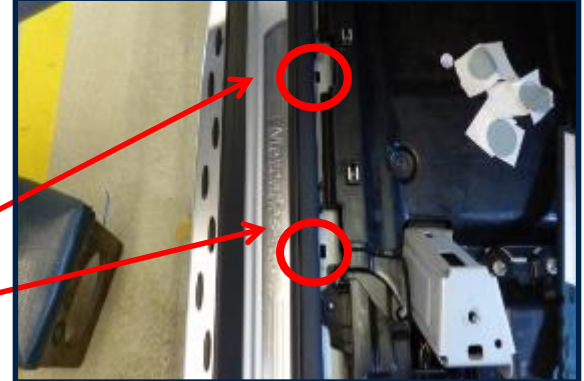
Fault location
Longitudinal member, inside,
front



Item number
A 006 989 30 85



Bodyshell holes open



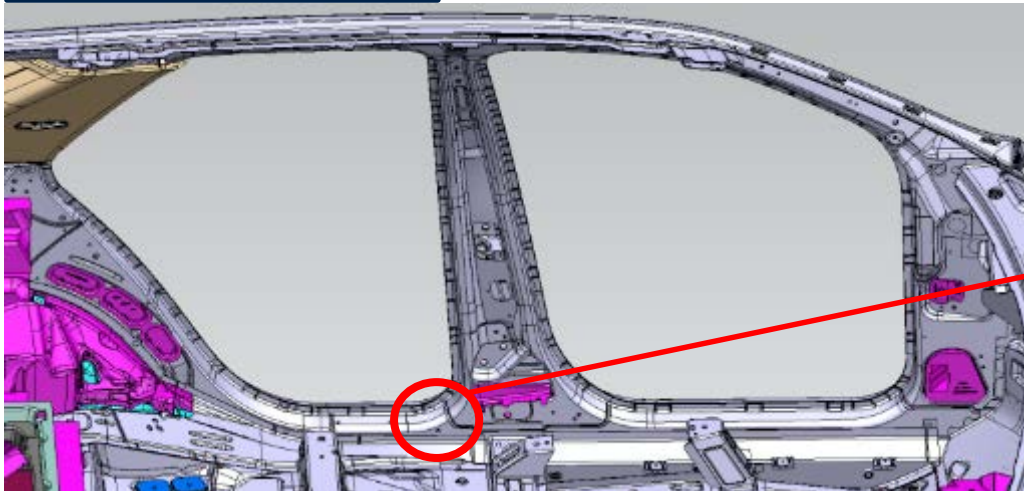
Bodyshell holes sealed



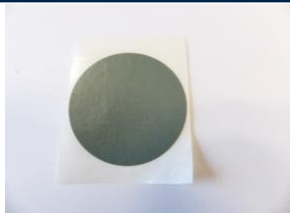
Note: Perform task on left- and right-hand sides. Bodyshell openings may or may not be present depending on the production year.

BR166 - Sealing bodyshell openings

Fault location
B-pillar, bottom, inside



Item number
A 006 989 30 85



Bodyshell holes open



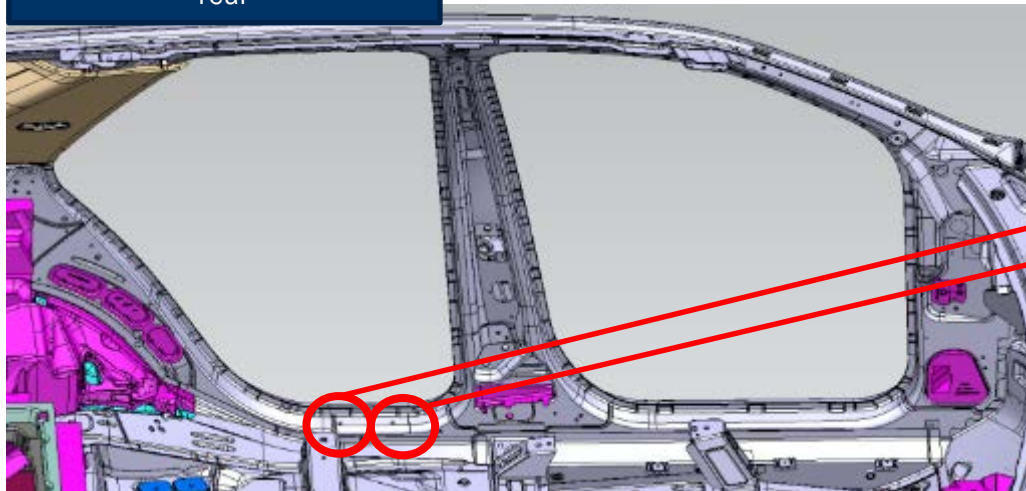
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides. (Behind cable duct)

BR166 - Sealing bodyshell openings

Fault location
Longitudinal member, inside,
rear



Item number
A 006 989 30 85



Bodyshell holes open



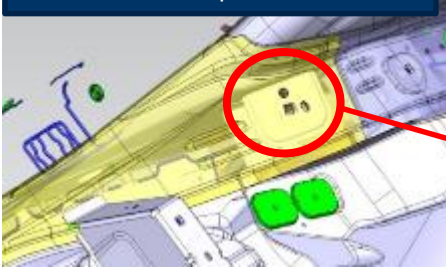
Bodyshell holes sealed



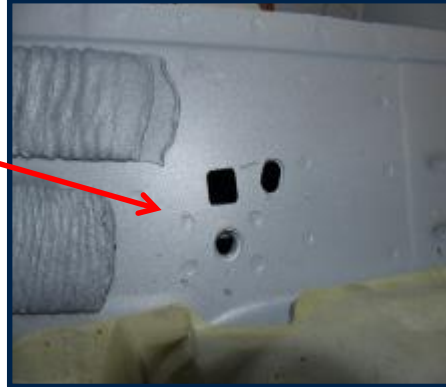
Note: Perform task on left- and right-hand sides. Bodyshell openings may or may not be present depending on the production year. Variant X166 has one additional bodyshell opening which must also be sealed.

BR166 - Sealing bodyshell openings

Fault location
Longitudinal member, rear, in
rear compartment



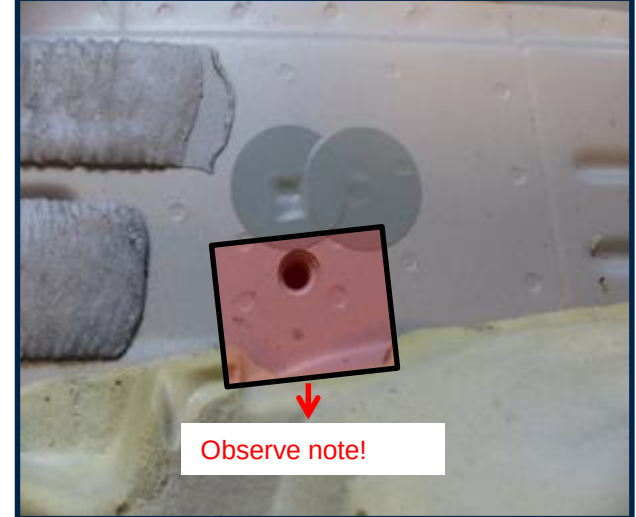
Bodyshell holes open



Finish bodyshell holes

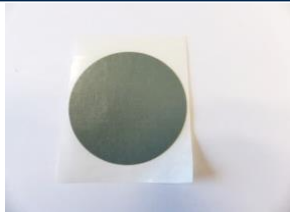


Bodyshell holes closed



Observe note!

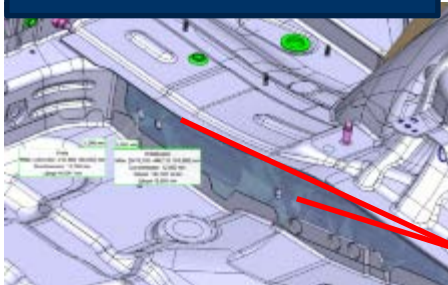
Item number
A 006 989 30 85



Note: Perform task on left- and right-hand sides. **Caution:** It must be ensured that there is no adhesive tape between the bodyshell and the seat belt holder (black). Adapt adhesive tape.

BR166 - Sealing bodyshell openings

Fault location
Longitudinal member, rear,
left



Bodyshell holes open



Bodyshell holes sealed



Item number
A 006 989 30 85



Note: Perform task on left-hand side. Two bodyshell holes are sealed with screws on vehicles with a trailer hitch. Variant X166 has one additional bodyshell opening which must also be sealed.

BR166 - Sealing bodyshell openings

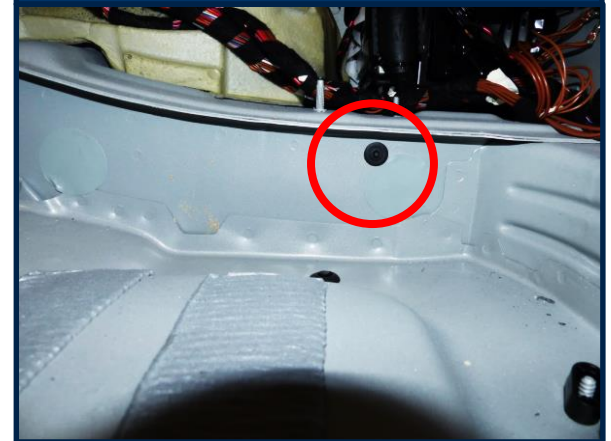
Fault location
Longitudinal member, rear,
right



Bodyshell holes open



Bodyshell holes sealed



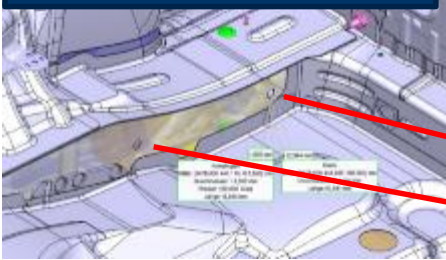
Item number
A 000 998 11 90



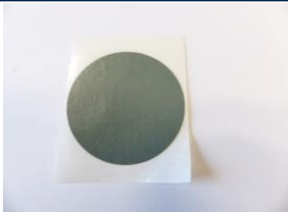
Note: Bodyshell opening only present on right-hand side. On variant X166, the bodyshell opening is located further forward in the direction of travel.

BR166 - Sealing bodyshell openings

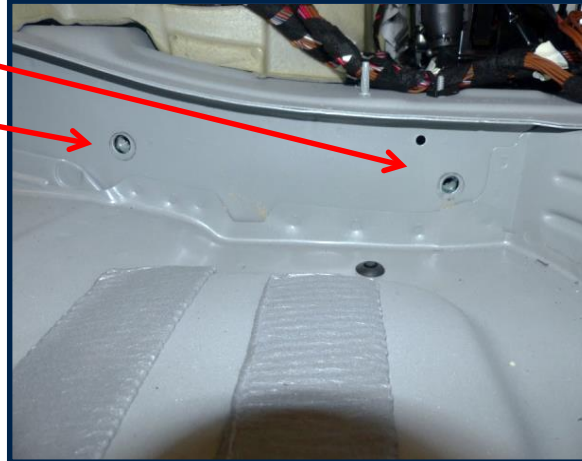
Fault location
Longitudinal member, rear,
right



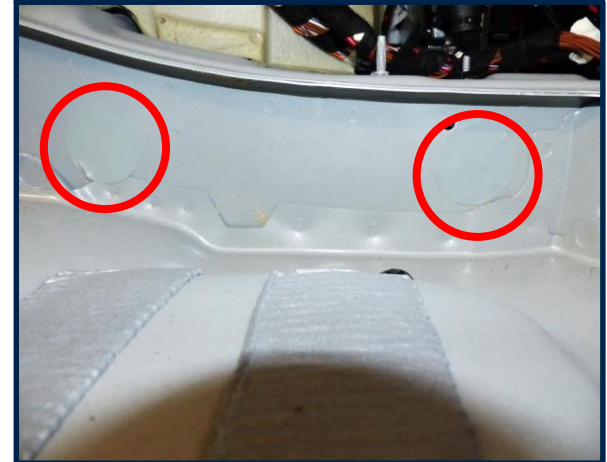
Item number
A 006 989 30 85



Bodyshell holes open



Bodyshell holes sealed



Note: Perform task on right-hand side. Two bodyshell holes are sealed with screws on vehicles with a trailer hitch. Variant X166 has one additional bodyshell opening which must also be sealed.



W/X 166 – Sealing bodyshell openings

Page 20-40

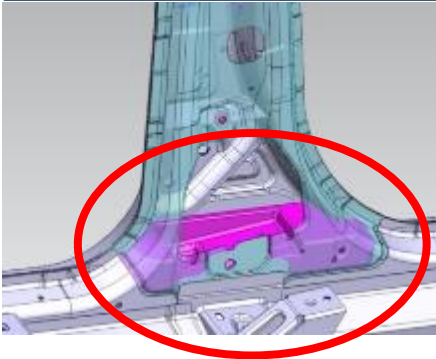
Date of issue: 2016.10.21
GSP/TPB I



Mercedes-Benz

BR166 - Sealing bodyshell openings

Fault location
B-pillar, bottom



Item number
A 166 682 87 00



Cut removed foam piece to size



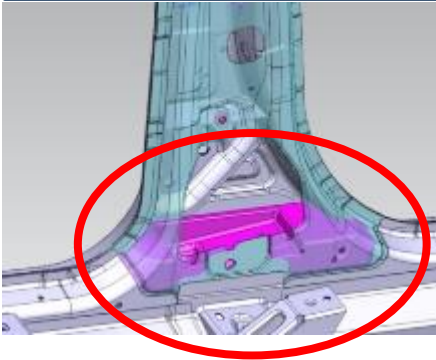
Cut removed foam piece to size



Note: Perform task on left- and right-hand sides. Cut removed foam piece to size. For details, see next slide.

BR166 - Sealing bodyshell openings

Fault location
B-pillar, bottom



Install foam piece



Direction of travel



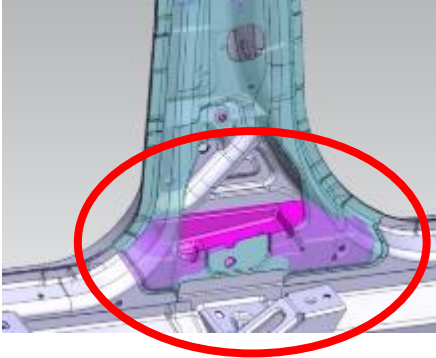
Foam piece installed



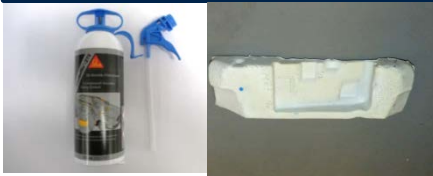
Note: Perform task on left- and right-hand sides. Depicted on left-hand side of vehicle. The foam pieces should fill the bodyshell openings in the longitudinal member.

BR166 - Sealing bodyshell openings

Fault location
B-pillar, bottom



Item number
A 000 989 35 73
A 166 682 87 00



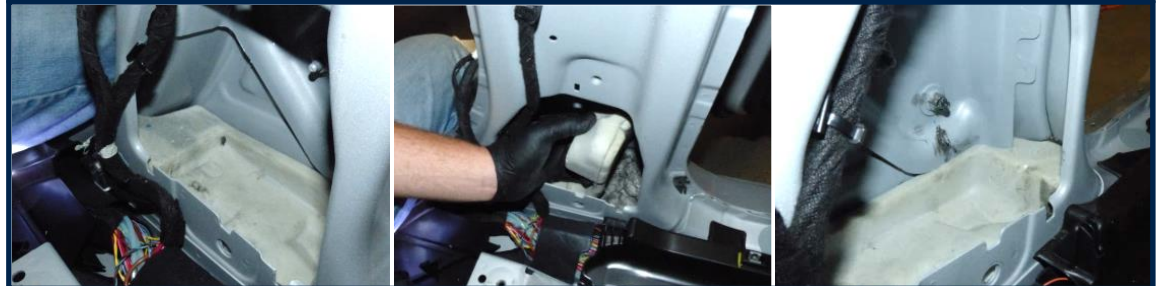
Apply acoustic foam to entire surface



Direction of travel



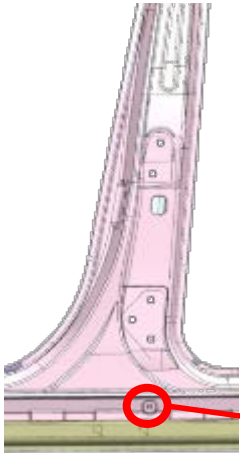
Foam piece installed



Note: Ensure that the entire surface in the foot of the B-pillar is coated with acoustic foam, then install the new left-hand foam piece A166 682 87 00. **Caution:** It must be ensured that the function of the seat belt is not compromised after the foam has been applied and the foam piece has been installed. Recommendation: Wear protective gloves.

BR166 - Sealing bodyshell openings

Fault location
B-pillar, bottom, outside



Item number
A 000 989 35 73



Area to be worked on



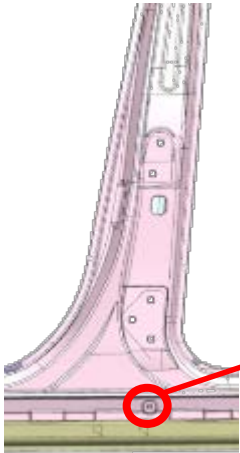
Bodyshell hole open



Note: Perform task on left- and right-hand sides. Expansion plug is located under the longitudinal member panel or the running board. For details, see next slide.

BR166 - Sealing bodyshell openings

Fault location
B-pillar, bottom, outside



Item number
A 000 989 35 73



Fill bodyshell hole with foam



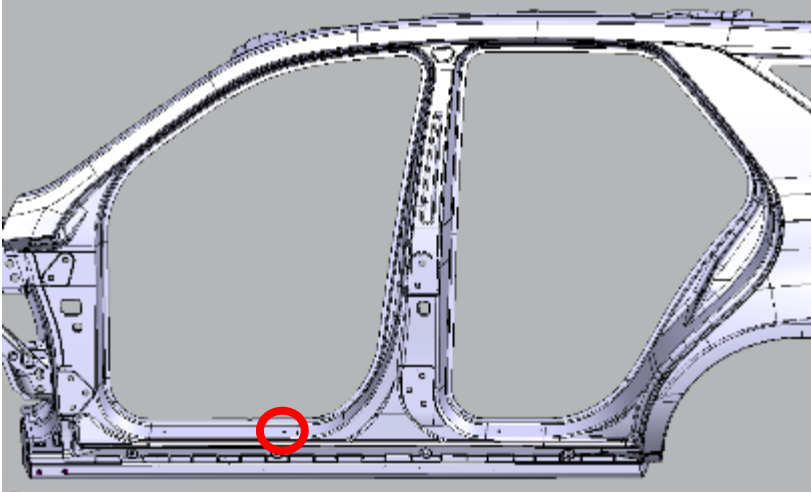
Fill bodyshell hole with foam



Note: Perform task on left- and right-hand sides. Fill specified area with foam for approx. 5-6 seconds with the pistol trigger fully depressed, pulling the hose out slowly in the process. Fill the specified area with foam toward the front (in the direction of travel) and toward the rear. After filling with foam, seal the bodyshell hole with the expansion plug. (Prevents the foam from escaping)

BR166 - Sealing bodyshell openings

Fault location
Door sill, outside, front



Item number
A 000 989 35 73



Fill bodyshell hole with foam

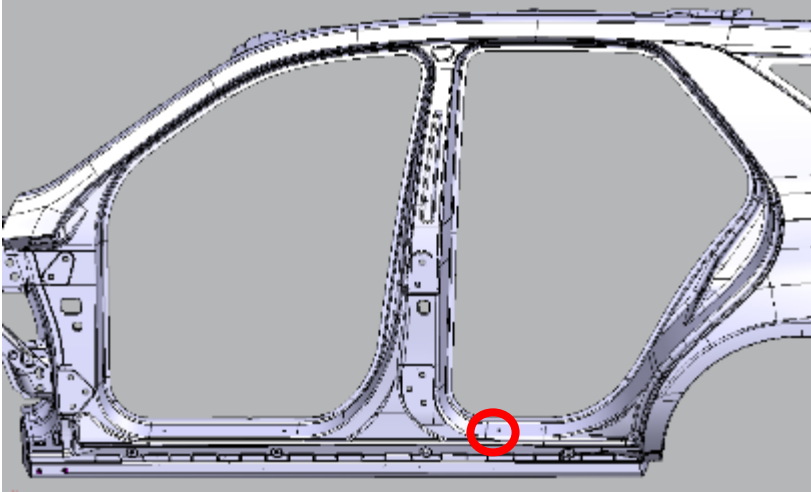


Caution: Depicted on right-hand side of vehicle

Note: Perform task on left- and right-hand sides. Bodyshell hole is located under the glued door sill panel. Fill specified area with foam for approx. 4-5 seconds with the pistol trigger fully depressed, pulling the hose out slowly in the process. Fill the specified area with foam only toward the rear in the direction of the B-pillar. After filling with foam, seal the bodyshell opening with adhesive tape. (Prevents the foam from escaping)

BR166 - Sealing bodyshell openings

Fault location
Door sill, outside, rear



Item number
A 000 989 35 73



Fill bodyshell hole with foam

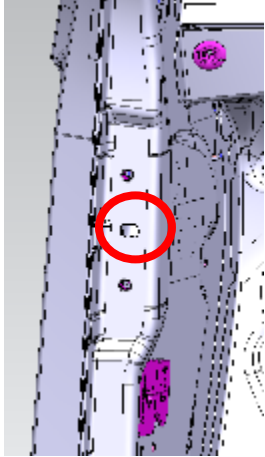


Caution: Depicted on right-hand side of vehicle

Note: Perform task on left- and right-hand sides. Bodyshell hole is located under the glued door sill panel. Fill specified area with foam for approx. 4-5 seconds with the pistol trigger fully depressed, pulling the hose out slowly in the process. Fill the specified area with foam only toward the front in the direction of the B-pillar. After filling with foam, seal the bodyshell opening with adhesive tape. (Prevents the foam from escaping)

BR166 - Sealing bodyshell openings

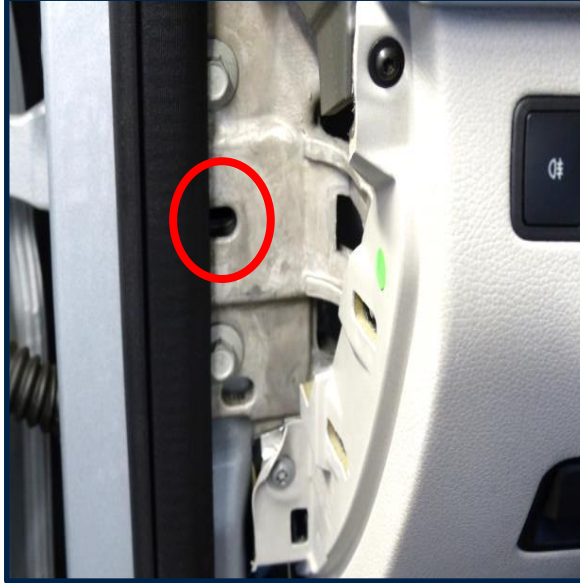
Fault location
A-pillar, top, inside



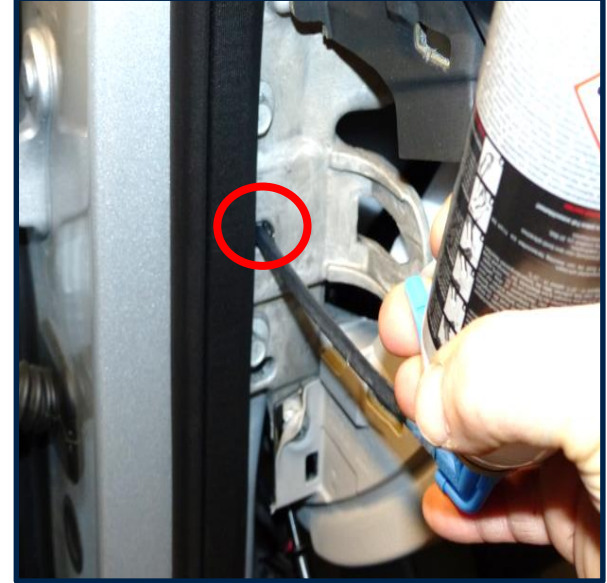
Item number
A 000 989 35 73



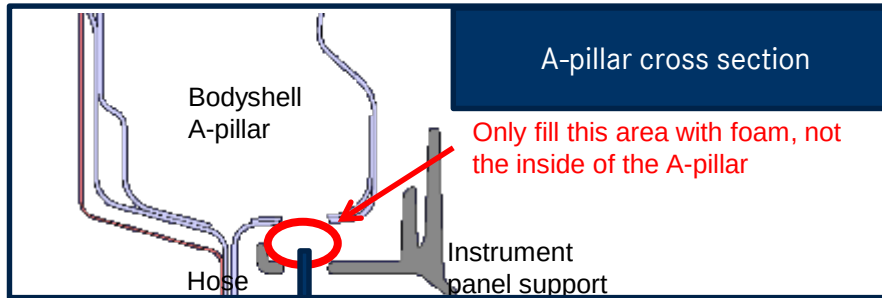
Bodyshell holes open



Bodyshell holes sealed



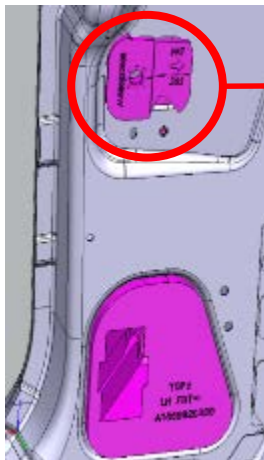
A-pillar cross section



Note: Perform task on left- and right-hand sides. Fill specified area with foam for approx. 3 seconds with the pistol trigger fully depressed, pulling the hose out slowly in the process (do not guide the hose into the bodyshell A-pillar). After filling with foam, seal the hole in the instrument panel support with adhesive tape until the foam has set. (Prevents the foam from escaping)

BR166 - Sealing bodyshell openings

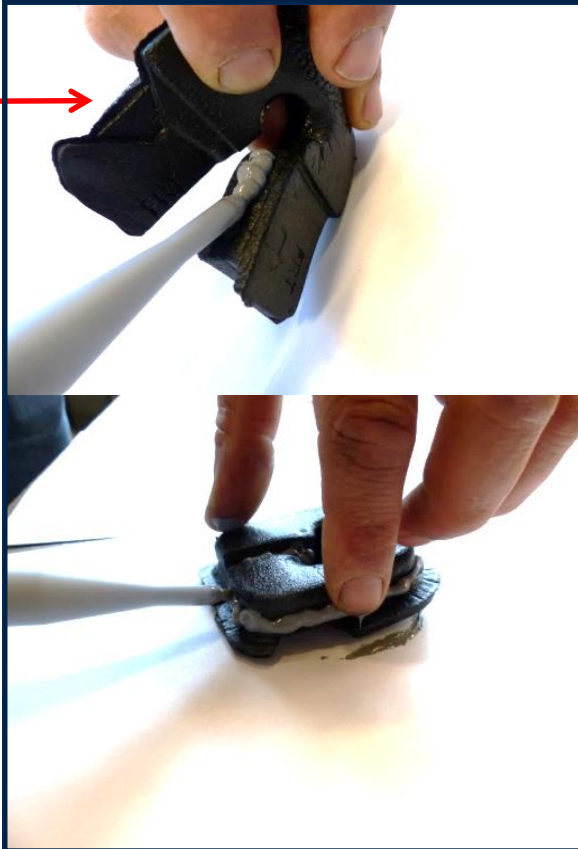
Fault location
A-pillar, top, inside



Item number
A 002 989 63 98



Sealing foam piece



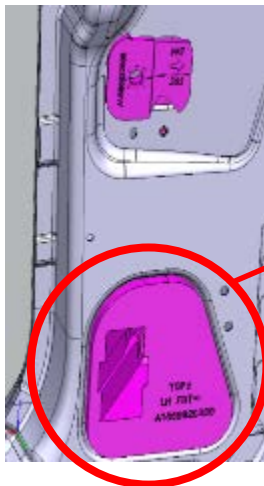
Bodyshell hole sealed



Note: Perform task on left- and right-hand sides.

BR166 - Sealing bodyshell openings

Fault location
A-pillar, bottom, inside



Item number
A 002 989 63 98



Sealing foam piece



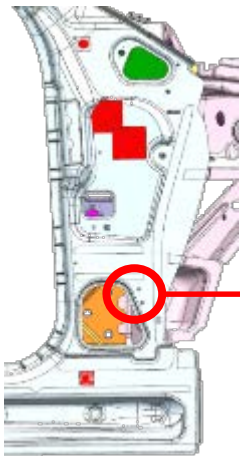
Bodyshell holes sealed



Note: Perform task on left- and right-hand sides.

BR166 - Sealing bodyshell openings

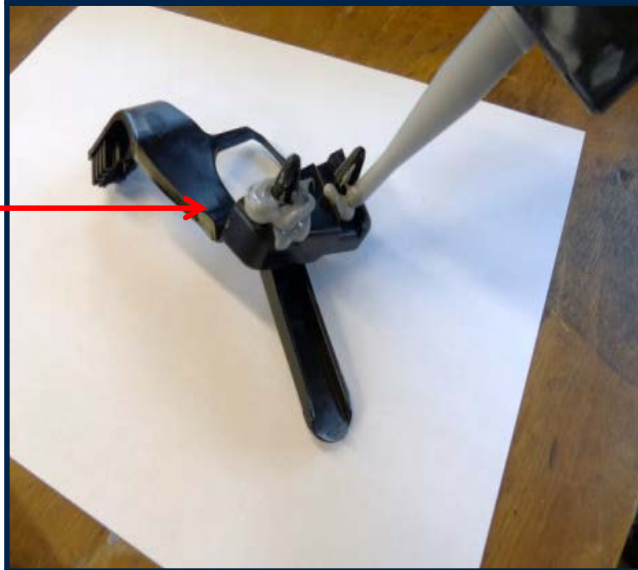
Fault location
A-pillar, bottom, inside



Item number
A 002 989 63 98



Bodyshell holes open



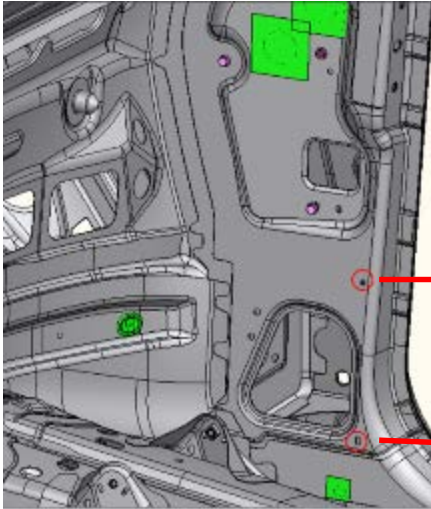
Bodyshell holes closed



Note: Perform task on left- and right-hand sides.

BR166 - Sealing bodyshell openings

Fault location
A-pillar, right



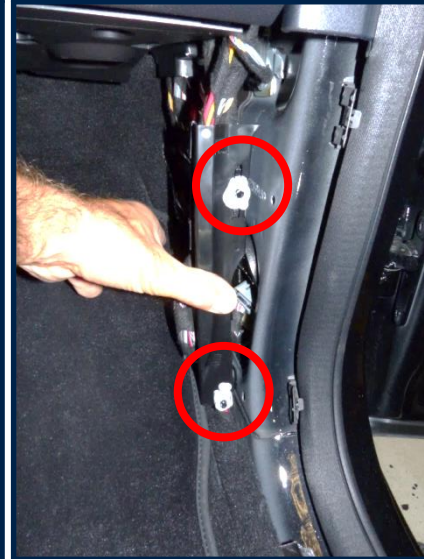
Item number
A 002 989 63 98



Bodyshell holes open



Bodyshell holes sealed



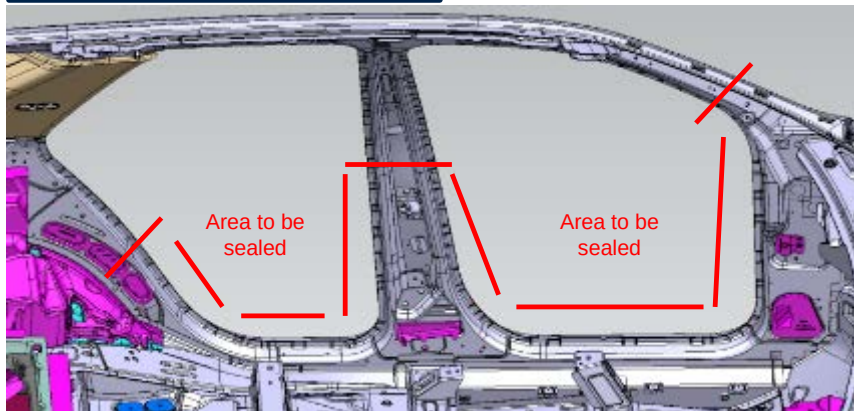
Cable duct, fixed



Note: Perform task on right-hand side. Check left-hand side (depending on equipment variant). If necessary, fix the cable duct with adhesive tape until the sealing compound has dried.

BR166 - Sealing bodyshell openings

Fault location
Door cut-outs



Item number
A 002 989 63 98



Bodyshell holes open



Bodyshell holes sealed



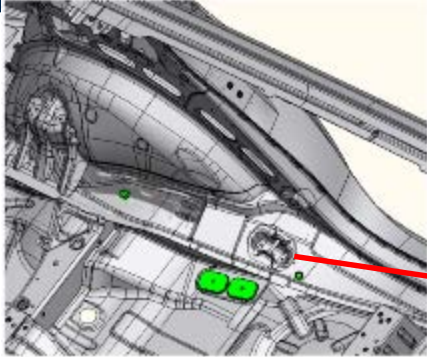
Note: Seal all spacers in the marked area (in illustration in top left) on the left- and right-hand side.

BR166 – Sealing bodyshell openings
Additionally for X166
Slide 34 to 39

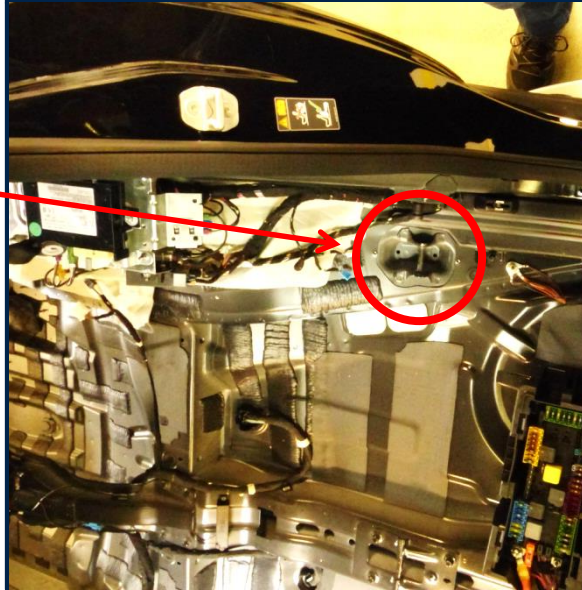


BR166 – Sealing bodyshell openings Additionally for X166

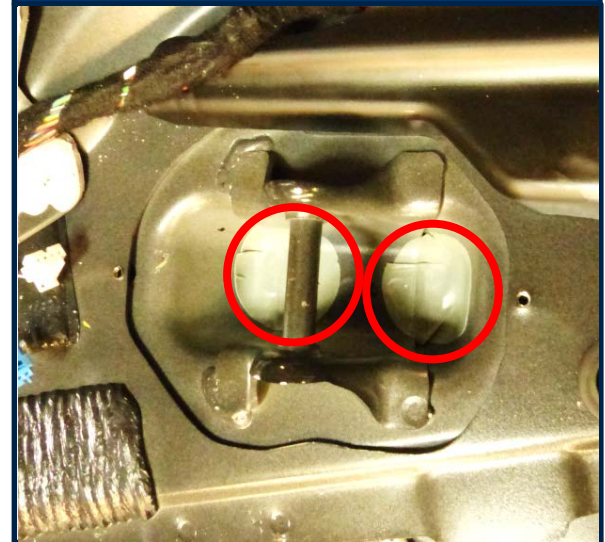
Fault location
Longitudinal member (rear
seat), rear



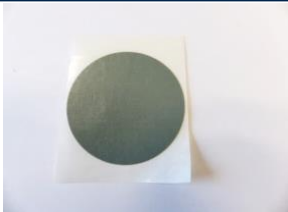
Bodyshell holes open



Bodyshell holes sealed



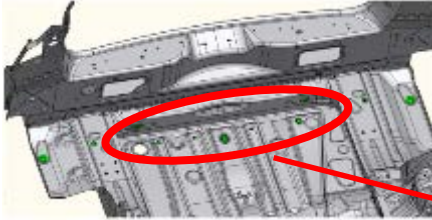
Item number
A 006 989 30 85



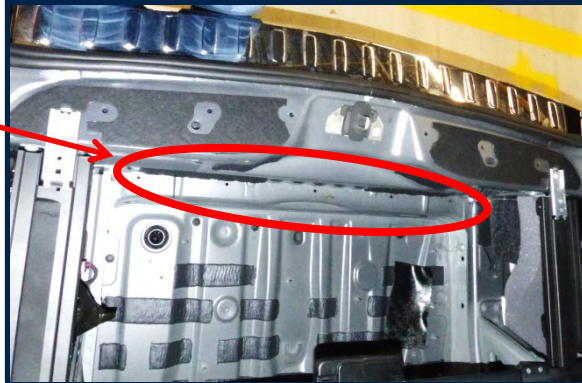
Note: Perform task on left- and right-hand sides

BR166 – Sealing bodyshell openings Additionally for X166

Fault location
Crossmember, rear



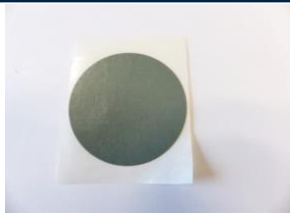
Bodyshell holes open



Bodyshell holes sealed



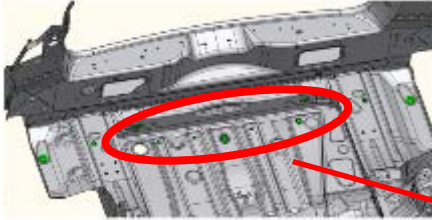
Item number
A 006 989 30 85



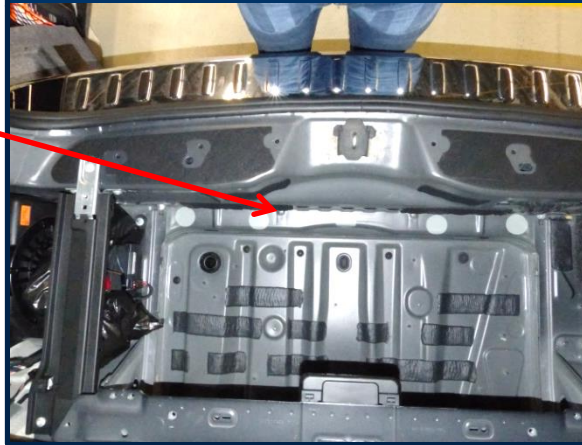
Note:

BR166 – Sealing bodyshell openings Additionally for X166

Fault location
Crossmember, rear



Bodyshell flange, open



Bodyshell flange, sealed



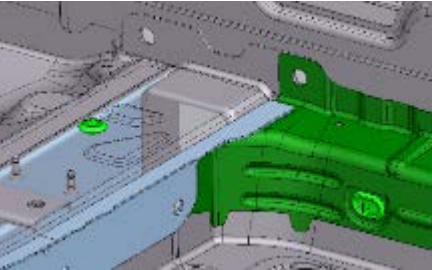
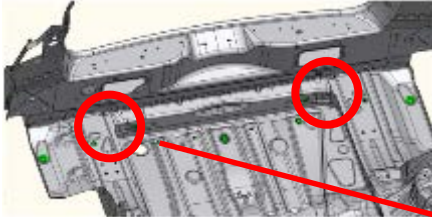
Item number
A 002 989 63 98



Note:

BR166 – Sealing bodyshell openings Additionally for X166

Fault location
Crossmember, rear



Item number
A 002 989 63 98



Bodyshell flange, open



Bodyshell flange, sealed



Note: Perform task on left- and right-hand sides

BR166 – Sealing bodyshell openings Additionally for X166

Fault location
Longitudinal member, rear



Bodyshell flange, open



Bodyshell flange, sealed



Item number
A 002 989 63 98



Note: Perform task on left- and right-hand sides

BR166 – Sealing bodyshell openings Additionally for X166

Fault location
Longitudinal member, rear



Bodyshell flange, open



Bodyshell flange, sealed



Item number
A 002 989 63 98



Note: Perform task on left- and right-hand sides

BR166 – Sealing bodyshell openings

List of replacement parts

Designation	Replacement part no.	Quantity	Note	Misc.
Plug (d = 6.5 mm)	A 000 998 11 90	3	per vehicle	
Plug (d = 20 mm)	A 003 997 55 86	2	per vehicle	
Plug (d = 40 mm)	A 001 998 81 50	4	per vehicle	
Adhesive tape (d = 46 mm)	A 006 989 30 85	42	per vehicle	
Cable strap	A 007 997 56 90	4	per vehicle	
Clips	A 000 991 86 98	4	per vehicle	
Insulation, left	A 166 682 87 00	1	per vehicle	
Insulation, right	A 166 682 88 00	1	per vehicle	
Seam seal	A 002 989 63 98	1	per vehicle	
Acoustic foam	A 000 989 35 73	2	per vehicle	
Door sill panel, front right		1	Depending on equipment	Must be ordered for each specific vehicle
Door sill panel, front left		1	Depending on equipment	Must be ordered for each specific vehicle
Door sill panel, rear right		1	Depending on equipment	Must be ordered for each specific vehicle
Door sill panel, rear left		1	Depending on equipment	Must be ordered for each specific vehicle
Dust filter	A 166 830 02 18	1	Standard	
Fine particle filter	A 166 830 72 01	1	Standard	
Disinfectant cleaner for A/C system	A 000 989 46 00 09	1	per vehicle	