
Odor from the air conditioning

Topic number	LI83.30-P-059119
Version	3
Design group	83.30 Air conditioning
Date	06-26-2015
Validity	166.0 up to A428283 166.8 up to A428728
Reason for change	Damage code revised. Remedy, work units modified
Reason for block	

Complaint:

Stale odor from the air conditioning

Attachments	
File	Description
Customer and workshop feedback.pdf	Customer and workshop feedback

Cause:

Oxidation products of the cavity preservation can enter the interior compartment via the air conditioning.

Remedy:

Please obtain information from the attachment "Customer and workshop feedback" (1.1, 1.2 and 2.1)

The document "Climate control diagnostic tree.pdf" should be used to help in the identification of the odor.

After confirmation of odor, the repair can be performed by following the steps below:

- Remove A-pillar paneling on left and right
- Close bodysHELL hole (1) with a stop plug as per "Repair instructions TIPS.pdf"
- Install A-pillar paneling on left and right
- Remove interior trim at right and left entrances
- Tape up bodysHELL holes (4, 5, 6) as per "Repair instructions TIPS.pdf" (trim adhesive tape to size as required)
- Install interior trim at right and left entrances
- Remove covers under instrument panel
- Remove glove box
- Close bodysHELL holes (2, 3) with stop plugs as per "Repair instructions TIPS.pdf"
- Remove radar sensors control unit
- Remove Night View Assist control unit
- Remove front SAM control unit
- Remove foam piece
- Tape up bodysHELL holes (7, 8) as per "Repair instructions TIPS.pdf" (trim adhesive tape to size as required)
- Seal off bodysHELL holes (9, 10) with seam sealant as per "Repair instructions TIPS.pdf". To apply the seam sealant, fit the hose on the cartridge nozzle and pass it through the bodysHELL hole (9, 10).
- Replace combination filter
- Install control units
- Install glove box
- Install cover under instrument panel
- Replace dust filter for heater/ventilation

- Clean evaporator of air conditioning system in the installed position as per AR83.30-P-5555GQ and using only 2 liters of warm tapwater (do not use the ContaSept disinfectant!)
- Clean interior compartment using "ultrasonic atomizer"
- Read out and erase fault memory
- Check for effectiveness of odor remediation, enter results in document "Customer and workshop feedback.pdf" under 2.2
- Residual odor may remain for up to 2 weeks until the odor causing particles are completely removed from HVAC system.
- If the results are not effective, please create a PTSS case with the customer feedback form attached.

For complaint vehicles beyond the validity VIN, please create a PTSS case

Please use damage code 97801 01

Attachments	
File	Description
Repair instruction TIPS.pdf	Repair instructions
Climate control diagnostic tree.pdf	Odor complaint diagnostic tree

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	2 plugs on each side of vehicle	X
A 003 997 55 86			Stop plug (20 mm)	4	1 plug on each side of vehicle, 2 spare	X
A 006 989 30 85			Adhesive tape (46 mm)	10	5 pieces on each side of vehicle	X
A 166 830 03 18			Combination filter	1		X
A 166 830 02 18			Dust filter	1		X
A 009 989 82 71			Ultrasonic agent	1	The use of this agent is essential	X
A 001 989 63 20			Seam sealant	1	Only use this material	X
A 010 997 89 82			Hose	1	Order approx. 30 cm	X

Work units				
Op. no.	Operation text	Time	Damage code	Note
		4.5	97801 01	Max warrantable time of 4.5 hours
54-7989	GROUND LINE OF BATTERY - UNSCREW/SCREW ON			
68-1040	A PILLAR TRIM, LOCATION.....LEFT REPLACE			
68-1040	A PILLAR TRIM, LOCATION.....RIGHT REPLACE			
68-1306	INTERIOR TRIM PANEL AT FRON ENTRYWAY ON LEFT REMOVE/INSTALL			

68-4738	COVERS (BOTH) BENEATH INSTRUMENT PANEL REPLACE			
68-4901	GLOVE COMPARTMENT REMOVE/INSTALL			
30-4231	RIGHT RADAR SENSOR REPLACE (CONTROL UNIT)			
54-1830	CONTROL UNIT FOR NIGHT VIEW ASSIST REPLACE			
54-1241	FRONT SAM REMOVE/REPLACE			
68-1307	INTERIOR TRIM PANEL AT FRON ENTRYWAY ON RIGHT REMOVE/INSTALL			
02-0001	STRAIGHT TIME TO BE USED WITH PUBLISHED DOCUMENTS ONLY			

WIS-References			
Document number	Title	Note	Allocation
AR68.30-P-4050WX	Remove/install trim on A-pillar		Parts
AR68.30-P-4100GQ	Remove/install door sill		Parts
AR68.10-P-1500GQ	Remove/install cover below instrument panel (left)		Parts
AR68.10-P-1520GQ	Remove/install cover below instrument panel (right)		Parts
AR68.10-P-1400GQ	Remove/install glove box		Parts
AP83.00-P-8381GQ	Replace dust filter for heater/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		Remedy
AD00.00-P-2000-04A	Connect STAR DIAGNOSIS, read out fault memory		Parts
AR83.00-P-8384GZ	Replace combination filter		Remedy

Validity		
Vehicle	Engine	Transmission
166.003	*	*
166.004	*	*
166.023	*	*
166.024	*	*
166.055	*	*

XENTRY

166.056	*	*
166.057	*	*
166.058	*	*
166.062	*	*
166.073	*	*
166.074	*	*
166.823	*	*
166.824	*	*
166.856	*	*
166.872	*	*
166.873	*	*
166.874	*	*

VIN	Initial registration	Repair date	Mileage

1. Customer response on the topic "Odor from the air conditioning system"

1.1 Occurrence of the odor

Time	Engine	A/C	Blower setting	Journey	Outside temperature
<input type="checkbox"/> Start of journey	<input type="checkbox"/> On	<input type="checkbox"/> On	<input type="checkbox"/> Low	<input type="checkbox"/> City	<input type="checkbox"/> Warm
<input type="checkbox"/> While driving	<input type="checkbox"/> Off	<input type="checkbox"/> Off	<input type="checkbox"/> Medium	<input type="checkbox"/> Intercity	<input type="checkbox"/> Cold
<input type="checkbox"/> End of journey			<input type="checkbox"/> High	<input type="checkbox"/> Freeway	

1.2 Type of odor

Type of odor:	Perception of odor:	Material
<input type="checkbox"/> Black water, like urine	<input type="checkbox"/> Lining of the throat	<input type="checkbox"/> Plastic, solvents
<input type="checkbox"/> Fishy	<input type="checkbox"/> Nauseating	<input type="checkbox"/> Leather
<input type="checkbox"/> Like oil, plasticine	<input type="checkbox"/> Pungent	<input type="checkbox"/> Straw, wood
<input type="checkbox"/> Earthy, like fungus	<input type="checkbox"/> Irritating to the throat	
<input type="checkbox"/> Like onions, sweat	<input type="checkbox"/> Irritating to the eyes	
<input type="checkbox"/> Like cement or dust or laundry drying room	<input type="checkbox"/> Causes headaches	
<input type="checkbox"/> Sour and/or like vomit		
<input type="checkbox"/> Other		

VIN	Initial registration	Repair date	Mileage

2. Workshop response on the topic "Odor from the air conditioning system"

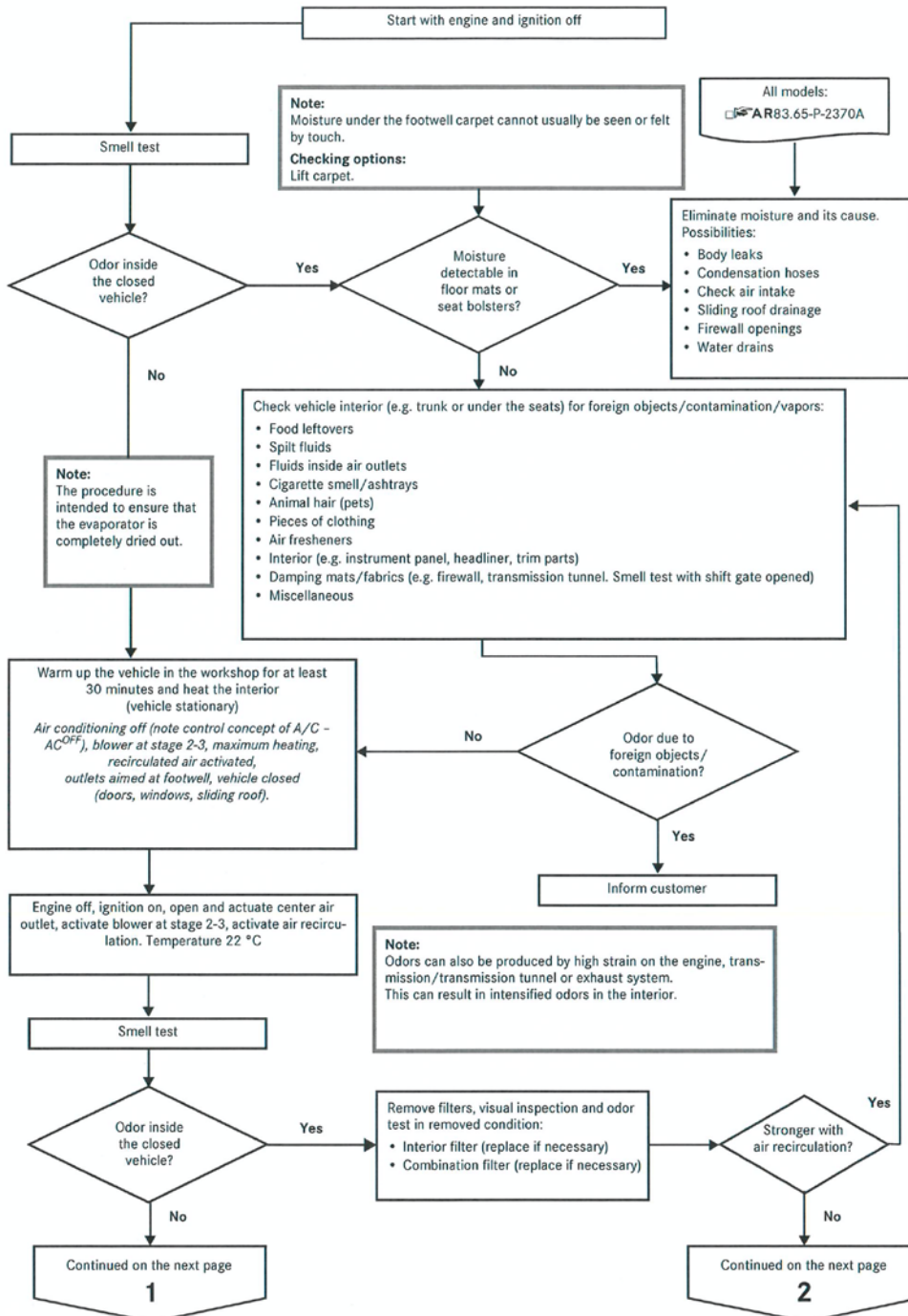
2.1 A/C check

Causes	Yes	No
Odor in enclosed vehicle	<input type="checkbox"/>	<input type="checkbox"/>
Foreign object/contamination in the interior compartment	<input type="checkbox"/>	<input type="checkbox"/>
Foreign object/contamination in the trunk	<input type="checkbox"/>	<input type="checkbox"/>
Foreign object/contamination in the engine compartment	<input type="checkbox"/>	<input type="checkbox"/>
Condensation hoses/drains clean	<input type="checkbox"/>	<input type="checkbox"/>
Complaint justified	<input type="checkbox"/>	<input type="checkbox"/>

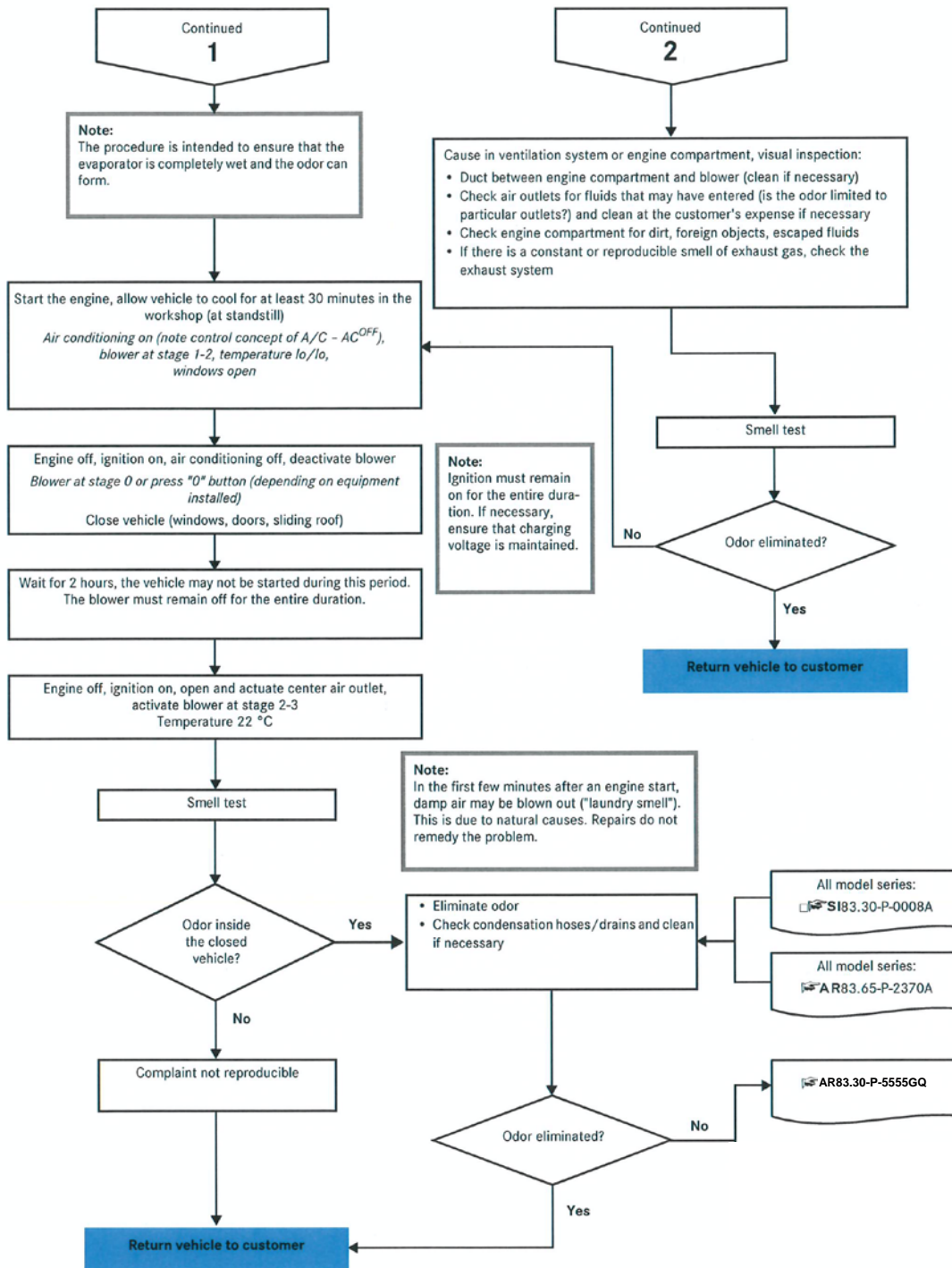
2.2 Effectiveness check

		OK	Not OK
Ignition on – Engine off – A/C off – Air recirculation	(2 – 3	<input type="checkbox"/>	<input type="checkbox"/>
minutes)			
Engine on – A/C on – Air recirculation	(2 – 3	<input type="checkbox"/>	<input type="checkbox"/>
minutes)			
Ignition on – Engine off – A/C off – Air recirculation	(2 – 3	<input type="checkbox"/>	<input type="checkbox"/>
minutes)			

II: AAC odor complaint



II: AAC odor complaint





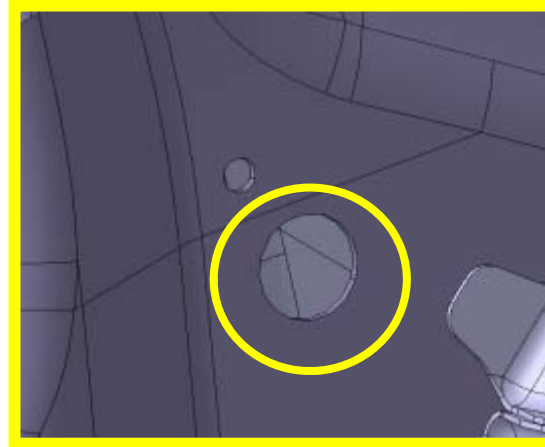
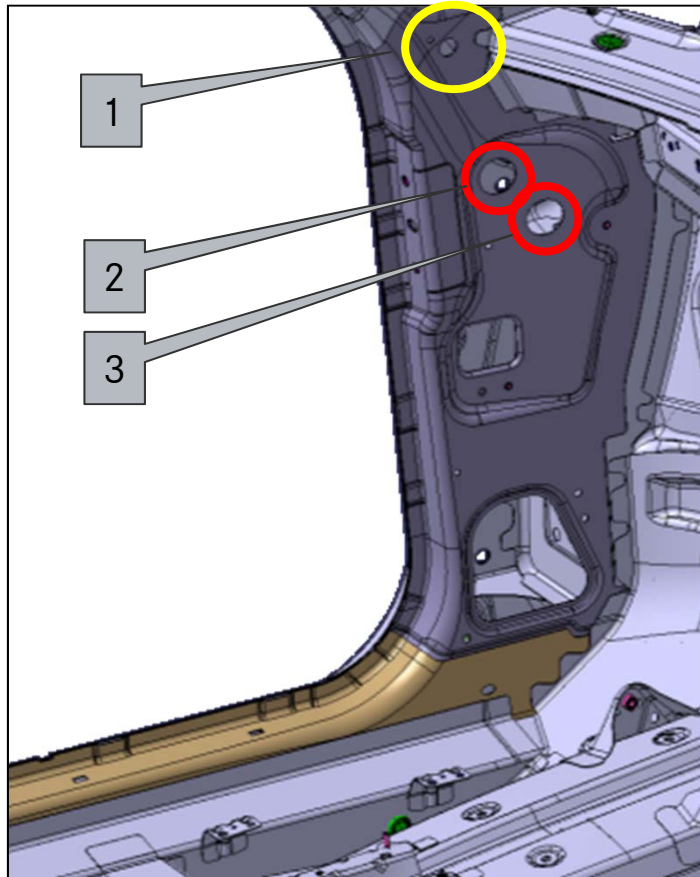
Repair Instruction

Odor from the air condition at series 166

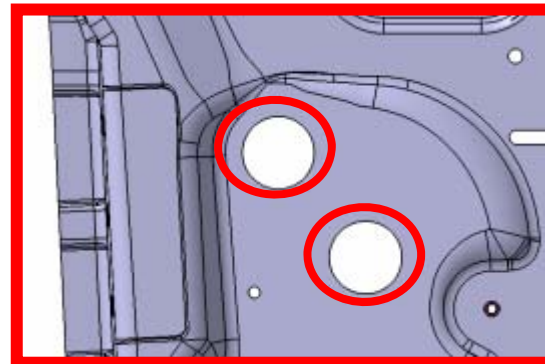


Mercedes-Benz

Close holes (1, 2, 3) with plugs

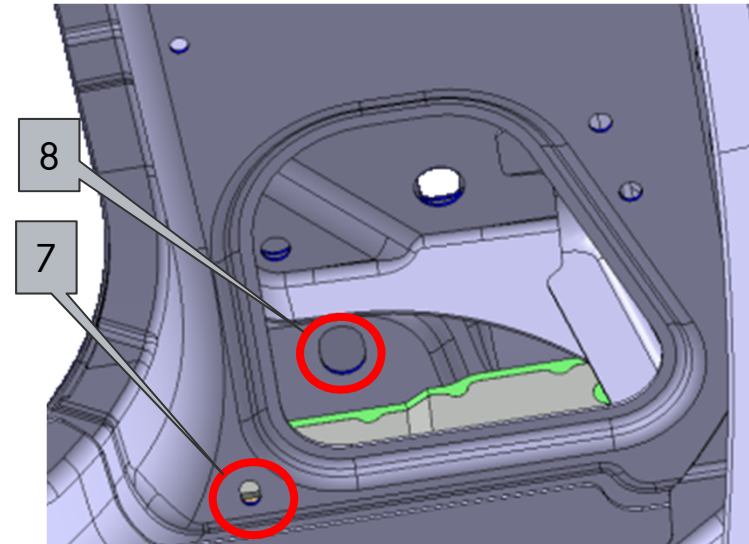
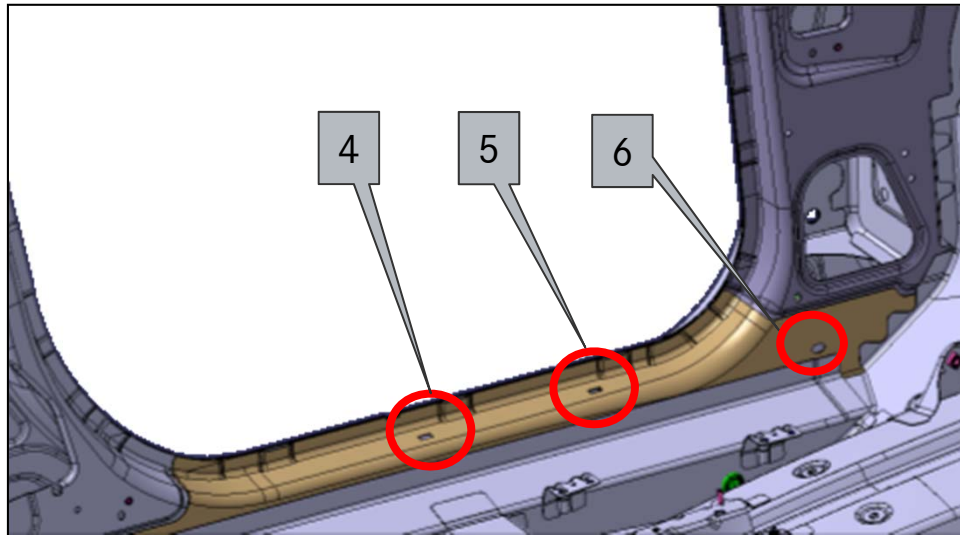


A 003 997 55 86
Ø 20 mm

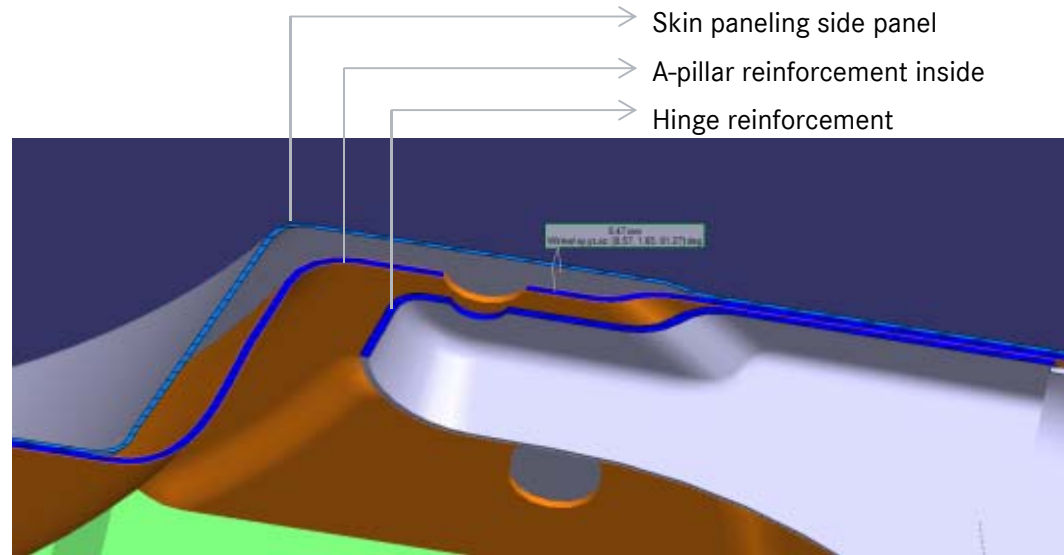
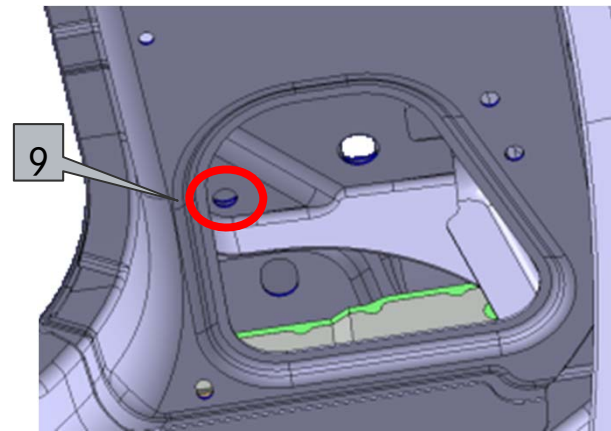


A 001 998 81 50
Ø 40 mm

Close holes (4, 5, 6, 7, 8) with tape A 006 989 30 85

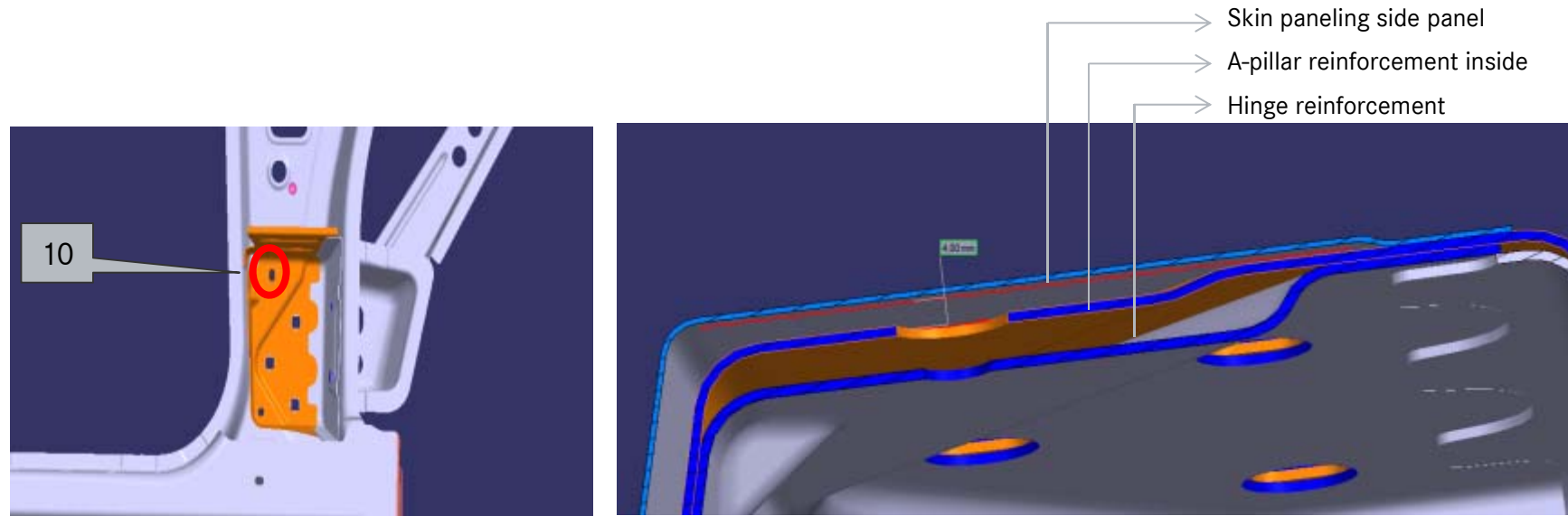


Close hole (9) with sealing A 005 989 6320



Lead hose through the hole (9) to the skin paneling side panel. Pull out the hole slowly and apply sealing material until the cavity between the panels is completely filled.

Close hole (10) with sealing A 005 989 6320



Lead hose through the hole (10) to the skin paneling side panel. Pull out the hole slowly and apply sealing material until the cavity between the panels is completely filled.