

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	05-11-2017
Validity	Model 166 only
Reason for change	

Complaint:

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

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

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.

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

- Remove trim for spare wheel
- Remove left and right trim in trunk

XENTRY TIPS

- 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

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
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

XENTRY TIPS

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
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

XENTRY TIPS

AR91.10-P-1000GQ	Remove / install front seat left and right		Parts
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