

Supplemental restraint system (SRS) lamp in instrument cluster lights up; fault code B000213 and/or B000113 is logged in the SRS control unit

Topic number	LI91.60-P-058226
Version	5
Function group	91.60 Airbag, pedestrian protection
Date	08-15-2018
Validity	Model series 176 A-Class Model series 242/246 B-Class Model series 117 CLA Production at Rastatt until end of 09/2013; production at Valmet until end of 11/2013 BR205 produced from production startup to end of 06/2014 BR166 produced from production startup to end of 2014
Reason for change	Crimping tool deleted
Reason for block	

Complaint:

SRS lamp in instrument cluster lights up

Fault code B000113 "The squib for the driver airbag (stage 1) has a malfunction. There is an open circuit." and/or

Fault code B000213 "The squib for the driver airbag (stage 2) has a malfunction. There is an open circuit." are stored in the SRS control unit.

Cause:

Contact between interior wiring harness and steering column tube switch module (steering column tube switch module connector no.1), see attachment 1, item "1"

The exact cause is still being analyzed.

Remedy:

Check resistance of ignition circuit using Xentry Diagnostics:

SRS control unit -> Ignition circuits -> Airbags for driver and front passenger -> Actual values

If one of the actual values is in the upper specified value range -> Further tests as described in Xentry DAS.

If the actual values are OK -> Replace the contacts between the interior wiring harness and the steering column tube switch module (attachment 1, item "1"):

1.) Replace contacts

- Create access to connector and separate from steering column tube switch module - See AR54.25-P-2802NKB Remove/install steering column tube module

- Cut cable tie directly at guide of connector (see attachment 2, item "3").

- Open secondary lock of connector (see attachment 2, item "4").

Important: Repair each line individually in order to avoid mixing up the lines.

XENTRY TIPS

- Unpin and replace contacts at steering column tube switch module connector 1, pins 8; 9; 10 and 11.

Note: These contacts are MLK1.2S contacts. Please use the appropriate unpinning tool from the wiring harness repair kit

Removal tool: A 220 589 01 99 25

Wire stripper: A 220 589 01 99 40

Replacement contacts are supplied with a cable tail.

Connect these contacts to vehicle wiring harness using solder connectors (see AR00.19-P-0100A "Wiring harness - General repair methods" and AR00.19-P-0100-09A "Repairing wiring harness using solder connectors").

- Assemble the connector in the reverse order.

When doing so, make sure that the secondary lock (see attachment 2, item "4") is fitted and the cables are fixed in place with the cable tie (see attachment 2, item "3").

2.) Check that the edge clip is correctly positioned and firmly locked (see attachment 1, item "2").

3.) Engage plug connection and attach lead seal

Note: When connecting the plug connection to the steering column tube switch module, make sure that the plug connection can be felt and heard to lock.

If the fault reoccurs, please report this immediately to the relevant MPC via the PTSS Case Module.

Attachments

File	Description
Anhang 1.pdf	Position of connector and edge clip
Anhang 2.pdf	Position of cable tie and secondary lock

Symptoms

Body / Safety system / Airbag/Supplemental restraint system SRS / Indicator lamp / SRS indicator lamp / lit

Body / Safety system / Airbag/Supplemental restraint system SRS / SRS and AKSE / Shows malfunction

Body / Safety system / Airbag/Supplemental restraint system SRS / Indicator lamp / Airbag / lit

Control unit/fault code

Control unit	Fault code	Fault text
N2/10 - Supplemental restraint system (SRS) (ORC222) (C (205))	B000113	The squib for the driver airbag (stage 1) has a malfunction. There is an open circuit. (OCM_222_WSS)
N2/10 - Supplemental restraint system (SRS) (ORC222) (C (205))	B000113	The squib for the driver airbag (stage 1) has a malfunction. There is an open circuit. (OCM_222_SBE_AKSE)
N2/10 - Supplemental restraint system (SRS) (ORC222) (C (205))	B000113	The squib for the driver airbag (stage 1) has a malfunction. There is an open circuit.
N2/10 - Supplemental restraint system (SRS) (ORC222) (C (205))	B000213	The squib for the driver airbag (stage 2) has a malfunction. There is an open circuit. (OCM_222_WSS)
N2/10 - Supplemental restraint system (SRS) (ORC222) (C (205))	B000213	The squib for the driver airbag (stage 2) has a malfunction. There is an open circuit.
N2/10 - Supplemental restraint system (SRS) (ORC222) (C (205))	B000213	The squib for the driver airbag (stage 2) has a malfunction. There is an open circuit. (OCM_222_SBE_AKSE)
N2/10 - Supplemental restraint system (SRS) (ORC166) (GL/	B000113	The squib for the driver airbag (stage 1) has a malfunction. There is an open circuit.

XENTRY TIPS

GLS (166),B (242, 246),M/GLE (166),A (176),CLA (117))		
N2/10 - Supplemental restraint system (SRS) (ORC166) (GL/GLS (166),B (242, 246),M/GLE (166),A (176),CLA (117))	B000213	The squib for the driver airbag (stage 2) has a malfunction. There is an open circuit.

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 001 545 93 73			Lock	1	Lock on plug coupling on steering column tube switch module	X
A 000 823 02 45			Lead seal	1	Lead seal on plug coupling on steering column tube switch module	X
A 001 540 87 05			RS crimp contact	4	MLK1.2S contact, silver with gel	X
A 002 546 13 41			Line connector	4	Solder connector for 0.5 mm ²	X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
54-1011	PERFORM QUICK TEST		51600 74	Connector/line*, steering column tube switch module, contact fault/open circuit
54-0765	CHECK WIRING HARNESS FOR (AFTER QUICK TEST)		51600 74	Connector/line*, steering column tube switch module, contact fault/open circuit
54-7989	DETACH/ATTACH GROUND CABLE OF ON-BOARD ELECTRICAL SYSTEM BATTERY (FOR REPAIR WORK)		51600 74	Connector/line*, steering column tube switch module, contact fault/open circuit
54-9204	REPAIR ELECTRICAL LINE FOR		51600 74	Connector/line*, steering column tube switch module, contact fault/open circuit
46-7681	REPLACE STEERING COLUMN TUBE SWITCH MODULE		51600 74	Connector/line*, steering column tube switch module, contact fault/open circuit

WIS-References			
Document number	Title	Note	Allocation
AR00.19-P-0100A	Wiring harness general repair methods		Remedy
AR00.19-P-0100-09A	Repair wiring harness using solder connectors		Remedy
AR54.25-P-2802NKB	Remove/install steering column module	MODEL 117, 156, 176, 242, 246	Remedy



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