

Electric parking brake inoperative

Topic number	LI42.20-P-061327
Version	1
Design group	42.20 Parking brake
Date	04-21-2015
Validity	MFA model series, production as of approx. 05/2014 up to 09/2014
Reason for change	
Reason for block	

Complaint:

The warning message "Parking brake, see owner's manual" is displayed in the instrument cluster.
 The yellow EPB function indicator lamp lights up and the red EPB function indicator lamp flashes.

Cause:

Connections at separating points X62/32 Rear axle electrical connector, left distributor or X62/33 Rear axle electrical connector, right distributor (see Annex "X62-32 Rear axle connector") not engaged correctly.

Attachments	
File	Description
X62-32 Steckverbindung Hinterachse.pdf	Location / position of connector

Remedy:

Check that connector X62/33 and connector X62/32 of electric parking brake are engaged correctly (see attachment).
 In the event of complaint: Engage connector properly.

Attachments	
File	Description
Verrastung ok-not ok.pdf	ok or not ok

Symptoms
Chassis/suspension / Brake system / Parking brake / Parking brake indicator lamp / Parking brake / lit
Chassis/suspension / Brake system / Parking brake / Parking brake function / Does not open/trigger
Chassis/suspension / Brake system / Parking brake / Parking brake indicator lamp / Parking brake / Illuminates yellow
Chassis/suspension / Brake system / Parking brake / Parking brake indicator lamp / Parking brake / Flashes red
Chassis/suspension / Brake system / Parking brake / Parking brake display / Parking brake - apply brake
Chassis/suspension / Brake system / Parking brake / Parking brake display / Parking brake - release brake
Chassis/suspension / Brake system / Parking brake / Parking brake display / Parking brake - Parking brake see Owner's Man.
Chassis/suspension / Brake system / Parking brake / Parking brake display / Parking brake - Parking brake inoperative Visit workshop

Control unit/fault code		
Control unit	Fault code	Fault text
EFB - Electric parking brake (N128) (EPKB166)	B23AA09	The left brake caliper has a malfunction. There is a component fault.
EFB - Electric parking brake (N128) (EPKB166)	B23AB14	The right brake caliper has a malfunction. There is a short circuit to ground or an open circuit.
EFB - Electric parking brake (N128) (EPKB166)	B23AB11	The right brake caliper has a malfunction. There is a short circuit to ground.
EFB - Electric parking brake (N128) (EPKB166)	B23AB77	The right brake caliper has a malfunction. The commanded position cannot be reached.
EFB - Electric parking brake (N128) (EPKB166)	B23AB15	The right brake caliper has a malfunction. There is a short circuit to positive or an open circuit.
EFB - Electric parking brake (N128) (EPKB166)	B23AB12	The right brake caliper has a malfunction. There is a short circuit to positive.
EFB - Electric parking brake (N128) (EPKB166)	B23AA12	The left brake caliper has a malfunction. There is a short circuit to positive.
EFB - Electric parking brake (N128) (EPKB166)	B23AA11	The left brake caliper has a malfunction. There is a short circuit to ground.
EFB - Electric parking brake (N128) (EPKB166)	B23AA13	The left brake caliper has a malfunction. There is an open circuit.
EFB - Electric parking brake (N128) (EPKB166)	B23AA14	The left brake caliper has a malfunction. There is a short circuit to ground or an open circuit.
EFB - Electric parking brake (N128) (EPKB166)	B23AA15	The left brake caliper has a malfunction. There is a short circuit to positive or an open circuit.
EFB - Electric parking brake (N128) (EPKB166)	B23AA77	The left brake caliper has a malfunction. The commanded position cannot be reached.
EFB - Electric parking brake (N128) (EPKB166)	B23AB09	The right brake caliper has a malfunction. There is a component fault.
EFB - Electric parking brake (N128) (EPKB166)	B23AB13	The right brake caliper has a malfunction. There is an open circuit.

Work units				
Op. no.	Operation text	Time	Damage code	Note
			51135 74	Connector/line of electric parking brake actuator has contact fault/ open circuit

WIS-References			
Document number	Title	Note	Allocation
AR88.10-P-1400NKB	Remove/install fender liner in rear fender		Remedy

Validity		
Vehicle	Engine	Transmission
A (176)	*	*
B (242, 246)	*	*
CLA (117)	*	*
GLA (156)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
117.301	651.901	711.642
117.301	651.901	724.003
117.302	651.930	724.011
117.303	651.930	724.003
117.305	651.930	724.011
117.308	651.930	711.645
117.308	651.930	724.003
117.312	607.951	711.632
117.312	607.951	724.020
117.342	270.910	711.632
117.342	270.910	711.643
117.342	270.910	724.002
117.343	270.910	711.643
117.343	270.910	724.002
117.344	270.920	724.003
117.345	270.920	724.003
117.346	270.920	724.011
117.347	270.910	724.011
117.347	270.920	724.011
117.350	270.920	724.003
117.351	270.920	724.011
117.352	133.980	724.015
117.352	133.980	724.016
117.902	651.930	724.011
117.903	651.930	724.003
117.905	651.930	724.011
117.908	651.930	724.003
117.912	607.951	711.632
117.912	607.951	724.020
117.942	270.910	711.643
117.942	270.910	724.002
117.943	270.910	711.643
117.943	270.910	724.002

117.944	270.920	724.003
117.946	270.920	724.011
117.951	270.920	724.011
117.952	133.980	724.015
117.952	133.980	724.016
156.902	651.930	724.011
156.903	651.930	724.004
156.905	651.930	724.011
156.908	651.930	711.632
156.908	651.930	724.004
156.912	607.951	711.631
156.912	607.951	724.021
156.942	270.910	711.647
156.942	270.910	724.001
156.943	270.910	711.647
156.943	270.910	724.001
156.944	270.920	724.004
156.945	270.920	724.004
156.946	270.920	724.011
156.947	270.920	724.011
156.952	133.980	724.015
156.952	133.980	724.016
176.000	651.901	711.642
176.000	651.901	724.003
176.001	651.901	711.642
176.001	651.901	724.003
176.002	651.930	724.011
176.003	651.930	724.003
176.005	651.930	724.011
176.007	651.930	711.645
176.007	651.930	724.003
176.008	651.930	711.645
176.008	651.930	724.003
176.011	607.951	711.632
176.011	607.951	711.645
176.011	607.951	724.020
176.012	607.951	711.632
176.012	607.951	711.645
176.012	607.951	724.020
176.042	270.910	711.632
176.042	270.910	711.643
176.042	270.910	724.002
176.043	270.910	711.643

176.043	270.910	724.002
176.044	270.920	724.003
176.046	270.920	724.011
176.047	270.920	724.011
176.052	133.980	724.015
176.052	133.980	724.016
242.848	270.920	711.632
242.848	270.920	724.003
242.890	000.000	000.000
242.890	780.990	000.000
246.200	651.901	711.642
246.200	651.901	724.003
246.201	651.901	711.642
246.201	651.901	724.003
246.202	651.930	724.011
246.203	651.930	724.003
246.205	651.930	724.011
246.207	651.930	711.645
246.207	651.930	724.003
246.208	651.930	711.645
246.208	651.930	724.003
246.211	607.951	711.632
246.211	607.951	724.020
246.212	607.951	711.632
246.212	607.951	711.645
246.212	607.951	724.020
246.241	270.910	711.632
246.241	270.910	711.643
246.241	270.910	724.002
246.242	270.910	711.632
246.242	270.910	711.643
246.242	270.910	724.002
246.243	270.910	711.643
246.243	270.910	724.002
246.243	270.910	724.003
246.244	270.920	724.003
246.246	270.920	724.011
246.247	270.920	724.011