

Corrosion at electrical connecting point between front bumper and interior (X174/1) USA

Topic number	LI54.18-P-057840
Version	1
Design group	54.18 Cable harnesses
Date	12-04-2013
Validity	Model series 166
Reason for change	Distribution revised
Reason for block	

Complaint:

In the case of complaints, various faults relating to the chassis CAN may be logged in the quick test; see section on fault codes.

Under certain circumstances it may not be possible to start or switch off the vehicle.

Interference of Parktronic.

Cause:

Corrosion may occur at the connecting point X174/1 from the front bumper to the interior wiring harness; see photo.

Attachments	
File	Designation
CIMG3906.JPG	Corrosion at connecting point X174/1

Remedy:

The root cause is to be identified. Please report the fault via a PTSS case, performing the following steps below. A remedy will be sent back to you to repair the vehicle.

- Picture of the position of where the connector is physically located in the vehicle.
- Pictures of the two sides fo the connector, vehicle side and bumper side.
- Check to see if the sealing plugs (blind plugs) are missing in the positions that are not used in the connector and note this in the case.
- Check to see if the connector fully seated together, and note this in the case.

@PTSS agent: Please forward all cases to PTS engineer plubons.

Symptoms
Power generation / Engine management / Engine running / Does not turn off/delay in turning off
Communication/information / Warning and control system / Parking assist / PARKTRONIC / Malfunction of displays / General
Communication/information / Warning and control system / Distronic / Distronic function / Warning message in instrument cluster
Overall vehicle / Networking / CAN/FlexRay communication / Malfunction
Power generation / Engine management / Engine start/stop / Does not start

Communication/information / Warning and control system / COLLISION PREVENTION ASSIST / Warning message in instrument cluster

Control unit/fault code		
Control unit	Fault code	Fault text
EZS - Electronic ignition lock (N73) (EZS166)	P172C13	The output for redundant actuation of the park position has a malfunction. There is an open circuit. (NOT(.../Kontexte/Kontext.xml#intern/Sparten/MB_PKW/Getriebe/Schaltgetriebe))
EFB - Electric parking brake (N128) (EPKB166)	U102700	Chassis CAN bus OFF fault
EFB - Electric parking brake (N128) (EPKB166)	U103200	Chassis CAN communication has a malfunction.
EFB - Electric parking brake (N128) (EPKB166)	U014600	CAN signal 'Outside temperature' from control unit 'N10 (SAM control unit)' or CAN signal 'Reverse gear' from control unit 'Engine' is implausible.
ISM - Shift module (A80) (DSM)	U04158F	Implausible data were received from control unit 'ESP®'. The signal or message is erratic.
ISM - Shift module (A80) (DSM)	U041587	Implausible data were received from control unit 'ESP®'. The message is missing.
PTS - PARKTRONIC (N62) (PTS218)	U042300	Implausible data were received from the instrument cluster. _
PTS - PARKTRONIC (N62) (PTS218)	U041500	Implausible data were received from control unit 'ESP®'. _ (NOT(.../Aufbau/Gateway/CGW_204.xml#SG/SG-Einstieg/Kontext/Codierung/GlobalVariantCoding/220%20Parktronic/available))

Work units

Op. no.	Operation text	Time	Damage code	Note
			51144 74	

Validity

Vehicle	Engine	Transmission
166.003	*	*
166.004	*	*
166.023	*	*
166.024	*	*
166.055	*	*
166.057	*	*
166.058	*	*
166.073	*	*
166.074	*	*
166.823	*	*
166.824	*	*

166.872	*	*
166.873	*	*
166.874	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
166.003	651.960	722.908
166.004	651.960	722.908
166.023	642.826	722.903
166.023	642.826	725.031
166.024	642.826	722.903
166.024	642.826	725.031
166.055	276.955	722.906
166.057	276.955	722.906
166.058	276.955	722.906
166.073	278.928	722.909
166.073	278.928	725.031
166.073	278.928	725.032
166.074	157.982	722.905
166.074	157.982	722.931
166.823	642.826	722.903
166.823	642.826	725.031
166.824	642.826	722.903
166.824	642.826	725.031
166.872	278.928	722.909
166.872	278.928	725.031
166.872	278.928	725.032
166.873	278.928	722.909
166.873	278.928	725.031
166.873	278.928	725.032
166.874	157.982	722.905
166.874	157.982	722.931

Attachments

CIMG3906.JPG:

