

Under certain conditions the vehicle cannot be shifted
out of or into "P", in combination with fault code P085064

Topic number	LI27.60-P-056969
Version	3
Design group	27.60 Gearshift, control
Date	09-15-2014
Validity	Model series 231 with CODE 803 and 804; Model series 463 with CODE XZ2 (facelift); AMG model series with DIRECT SELECT interface (Model series 117, 156, 176, 197, 212, 218, 231 and 463)
Reason for change	Validity adapted.
Reason for block	

Complaint:

Under certain conditions the vehicle cannot be shifted out of or into "P", and fault code P085064 is stored.

Cause:

The P button is fitted with two redundant contacts (microswitch/button and sensor mat). Under certain circumstances - off-center pressing of the P button for example - contact is made in the sensor mat only. If any single contact is operated for more than four seconds, the fault code P085064 "P button implausible" is logged and the CAN signal may be marked as invalid if certain requirements are met. In such cases, the transmission control unit ignores all the signals of the Direct Select Interface (DSI) control unit. It may therefore be impossible to engage a gear when fault code P0805064 is stored.

After an ignition reset the desired gear can be engaged again.

Remedy:

Remedy software available as of XENTRY DVD 07/2014.

Remedy for vehicles with TRANSMISSION 722.9

Please update the softwares for the fully integrated transmission control (Y3/8n4) and the DIRECT SELECT interface (N150).

Remedy for vehicles with TRANSMISSION 724.0 or TRANSMISSION 700.4

Please update the software for the DIRECT SELECT interface (N150).

Supplementary information:

This does not represent a defect in the component, but is a safety function designed to prevent random engagement of "P". Despite the remedy, advise the customer not to place or rest anything on the P button.

Symptoms
Power transmission / Automatic transmission / Automatic transmission operation / Drive position selection / Function / General
Power transmission / Automatic transmission / Automatic transmission operation / Drive position selection / Function / Gear cannot be engaged
Power transmission / Automatic transmission / Automatic transmission operation / Drive position selection / Function / Nonfunctional

Power transmission / Automatic transmission / Automatic transmission operation / Drive position selection / Function / Electrical fault/Fault code

Control unit/fault code		
Control unit	Fault code	Fault text
DSI - DIRECT SELECT interface (N150)	P085064	The button 'Gear range P' has a malfunction. There is an implausible signal.

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54553 90	
54-1011	SHORT TEST			
54-0650	BATTERY CHARGER/MAINTAIN VOLTAGE			
54-0991	SOFTWARE TRANS			
54-0991	SOFTWARE DSI			

Validity		
Vehicle	Engine	Transmission
117.352	133.980	724.015
156.952	133.980	724.015
176.052	133.980	724.015
197.377	159	700.400
197.477	159	700
197.478	159	700
212.074	157	722
212.076	157.981	722.971
212.077	156	722
212.092	157.981	722.971
212.274	157	722
212.276	157.981	722.971
212.277	156	722
212.292	157.981	722.971
218.374	157.981	722.931
218.376	157.981	722.971
218.392	157.981	722.971
218.974	157.981	722.931
218.976	157.981	722.971
218.992	157.981	722.971
231.457	276.954	722.906

XENTRY

231.474	157	722
231.479	279	722
463.272	157	722
463.273	157	722
463.274	279	722
G (463)	642.886	722
G (463)	642.970	722
G (463)	273	722
SL (231)	278	722