

Gear range D or R cannot be engaged. Fault code B226600 logged in shift module (A80).

Topic number	LI27.60-P-060724
Version	2
Design group	27.60 Gearshift, control
Date	04-23-2015
Validity	MODEL 166 in combination with TRANSMISSION 722.9 and CODE 889 (KEYLESS-GO)
Reason for change	Remedy adapted
Reason for block	

Complaint:

After the vehicle has stood idle for a long period (mainly at cold outside temperatures), it is not possible to engage gear range D or R. The fault code B226600 "The drive authorization data are implausible" is logged in the shift module (A80). The complaint no longer occurs after an ignition reset.

Cause:

When the vehicle is started, the on-board electrical system voltage drops which is why a communication problem can occur between the shift module (A80) and the electronic ignition lock (EIS).

Remedy:

Please replace the starter battery/battery until advised otherwise. Battery will not fail Midtronics test.

Symptoms
Power transmission / Power transmission, function / No power flow
Power transmission / Automatic transmission / Automatic transmission - function / General
Power transmission / Automatic transmission / Automatic transmission - function / Engaging process
Power transmission / Automatic transmission / Automatic transmission - function / No power flow
Power transmission / Automatic transmission / Automatic transmission - function / Shifts
Power transmission / Automatic transmission / Automatic transmission - function / Electrical fault/Fault code
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

ISM - Shift module (A80) (DSM)	B226600	The drive authorization data are implausible.
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Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 982 91 08			Starter battery	1	with CODE 494 (USA version)	X
A 005 541 10 01			Battery	1	without CODE 494	X

Work units				
Op. no.	Operation text	Time	Damage code	Note
XX-XXXX	DAMAGE CODE		54001 53	Warranty claim can be submitted without failed midtronics test. Quicktest with stored fault code must be submitted as well as a reference to this LI in the claim.
54-0650	MAINTAIN VOLTAGE			
54-1011	QUICK TEST			
54-7989	GROUND LINE OF ADDITIONAL BATTERY			
54-1120	BATTERY REPLACE			

Validity		
Vehicle	Engine	Transmission
166.003	651	722.908
166.004	651	722.908
166.872	278.928	722.909
166.873	278.928	722.909
GL/GLS (166)	642	722.903
GL/GLS (166)	276	722.904
M/GLE (166)	642	722.903
M/GLE (166)	276	722.904
M/GLE (166)	276	722.906
M/GLE (166)	278	722.909