
At high speeds, vehicle fails to shift to 6th gear.
Shift quality complaints in the even gears 2, 4, 6.

Topic number	LI27.51-P-057719
Version	3
Design group	27.51 Clutch assembly, multi-disk brake
Date	09-10-2014
Validity	Vehicles of model series 246, model series 176 and model series 117 with automatic transmission 7G-DCT and engine M133 or M270. The following transmission sequence numbers may be affected: 220 400 - 330 000.
Reason for change	EEPROM file format
Reason for block	

Complaint:

At high engine speeds (higher than 5500 rpm) and very high vehicle speeds, the vehicle does not shift from 5th gear to 6th gear. After which, the following may be experienced:

- Shift quality complaints with the following upshifts can be reproduced: 1-2, 3-4, 5-6
- While driving, the fault message "Reverse gear not available" is displayed in the instrument cluster.
- Reverse gear can be engaged again after an ignition reset.

Cause:

High vehicle speeds in 5th gear may cause increased drag on K2 clutch.

Remedy:

Please create a PTSS case and send to Product Technical Support.

Attach to the case

- Quicktest with Freeze frame data
- Transmission Control Unit Log
- EEPROM *.txt file

The next steps will be provided through PTSS

Symptoms
Power transmission / Power transmission, function / No power flow
Power transmission / Automatic transmission / Automatic transmission - function / General
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 / Poor shift quality

Control unit/fault code		
Control unit	Fault code	Fault text
DKG - Electronic transmission control for double-plate clutch transmission (N15/13) (DCT)	092500	The shift valve of the hollow shaft has a malfunction. The commanded position cannot be reached.
DKG - Electronic transmission control for double-plate clutch transmission (N15/13) (DCT)	092577	The shift valve of the hollow shaft has a malfunction. The commanded position cannot be reached.

Work units				
Op. no.	Operation text	Time	Damage code	Note
			2720G F4	Dual clutch

Validity		
Vehicle	Engine	Transmission
117.342	270	724
117.343	270	724
117.344	270	724
117.346	270	724
176.042	270	724
176.043	270	724
176.044	270	724
176.046	270	724
242.848	270	724
246.242	270	724
246.243	270	724
246.244	270	724
246.247	270	724
A (176)	133	724.015
CLA (117)	133	724.015