
Reverse gear cannot be engaged. FC 074600 or FC 077600 is stored in the dual clutch transmission (DKG) control unit.

Topic number	LI27.60-P-058283
Version	2
Design group	27.60 Gearshift, control
Date	02-06-2014
Validity	Vehicles of model series 246, 176, 117 with automatic transmission 7G-DCT produced prior to June 2013.
Reason for change	DVD 11/13 adjusted and validity adapted
Reason for block	

Complaint:

Reverse gear cannot be engaged.

The following fault code is stored in the dual clutch transmission (DKG) control unit:

FC 074600 -> Pressure regulating valve 1 does not close or

FC 077600 -> Pressure regulating valve 1 does not close

In the extended fault freeze frame data it can be seen that both clutches are pressurized when the fault code 074600 or 077600 occurs - see Figure 1 in attachment.

Attachments	
File	Designation
Bild 1.pdf	Figure 1

Cause:

The chronological sequence of depressurization between clutch changes is too short.

Remedy:

New software is available with DVD 11/13. Normalization and adaptation must then be performed.

Under the Xentry menu items "Adaptations" -> "Teach-in processes" > "Normalization and adaptation", perform the "Adaptation after replacement of component Y3/14" (dual clutch transmission fully integrated transmission control controller unit).

After updating and the adaptation procedure, perform a test drive.

Symptoms
Power transmission / Automatic transmission / Automatic transmission - function / Shifts
Power transmission / Automatic transmission / Automatic transmission operation / Drive position selection / Function / Gear cannot be engaged

Control unit/fault code		
Control unit	Fault code	Fault text
DKG - Electronic transmission control for double-plate clutch transmission (N15/13) (DCT)	074600	Pressure regulating valve 1 does not close.
DKG - Electronic transmission control for double-plate clutch transmission (N15/13) (DCT)	077600	Pressure regulating valve 2 does not close.

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54553 90	Transmission control unit - Update software

Validity		
Vehicle	Engine	Transmission
117.303	651.930	724
117.342	270	724.002
117.343	270	724.002
117.344	270	724.003
176.000	651	724.003
176.001	651	724.003
176.003	651	724.003
176.007	651	724.003
242.848	270	724.003
246.242	270	724.003
246.242	270	724.002
246.243	270	724.003
246.243	270	724.002
246.244	270	724.003
A (176)	270	724
B (242, 246)	651	724