

M276 MY2013 and MY2014 - Harsh Shifts: 4-3, 4-5

Topic number	LI27.19-P-056610
Version	5
Design group	27.19 Transmission - electrical system
Date	06-13-2014
Validity	Model Year 13 & 14 Vehicles with M276 and Transmission control unit VGS3 & 4
Reason for change	Added additional Models to Validity
Reason for block	

Complaint:

Harsh 4-3 and/or 4-5 shifts may be experienced, usually more noticeable with light throttle drivers. No check engine light etc. or related diagnostic fault codes. Adaptation values are usually within specification.

Cause:

System software can adapt poorly under certain driving conditions. Shift member K2 will become overfilled leading to a harsh shift.

Remedy:

Please update the Transmission Control Unit to the software referenced in the attachment or newer

After performing the update, save an EEPROM log from the transmission. Clear adaption values and take vehicle for new adaptation drive. Save an EEPROM log after adaptation.

Resetting of adaptation values: VGS - Fully integrated transmission control (Y3/8n4) -> Adaptations -> Teach-in Process -> Resetting of adaptation values -> Shift -> Confirm reset of adaptation with Yes

Attachments	
File	Description
M276 NAG2 Transmission Software.pdf	NAG2 Transmission Software list

Symptoms
Power transmission / Automatic transmission / Automatic transmission - function / Shifting is rough

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54553 90	Control unit, transmission
54-0650	BATTERY CHARGER, MAINTAIN VOLTAGE			
54-1011	SHORT TEST			

54-0991	TRANSMISSION SOFTWARE UPDATE			
27-1047	TRANSMISSION ADAPTATION			

Validity		
Vehicle	Engine	Transmission
C (204)	276	722
E (207)	276	722
E (212)	276	722
GLK (204)	276	722
SLK (172)	276	722