

Harsh 3-2 and/or 5-4 downshift in MODEL 217 or 222 in combination with ENGINE 276.824 and TRANSMISSION 722.9

Topic number	LI27.00-P-073123
Version	1
Function group	27.00 - General
Date	6/10/21
Validity	MODEL 217 or 222 in combination with ENGINE 276.824 and TRANSMISSION 722.904
Reason for change	Shift Adaptation

Complaint

Harsh 3-2 and/or 5-4 downshift under certain circumstances.

Cause

3-2 downshift: The noticeable jolt which might be perceived as an harsh 3-2 downshift is caused by the engine changing from overrun to combustion mode.

5-4 downshift: Application of the transmission software A 000 902 79 26.

Remedy

If the cause is the 3-2 downshift:

Update of engine control unit to currently available version.

Addition of code 14O on vehicle data card and SCN coding.

Software update for transmission control unit VGS4NAG2 with transmission software A 000 902 26 42 or later, available with add-on 1909_13991_V024 for XENTRY DVD 09/2019 or later.

If the cause is the 5-4 downshift:

Install transmission software A 000 902 26 42 or later, available with add-on 1909_13991_V024 for XENTRY DVD 09/2019 or later.

If symptom still exists, after performing above mentioned work, please reset transmission up/down shift data via Xentry and perform transmission adaptation of complaint shiftings with cold, warm and hot transmission oil during road test.

Symptoms
Power transmission > Automatic transmission > Function > Malfunction
Power transmission > Automatic transmission > Function > Shudders

XENTRY TIPS

Power transmission > Automatic transmission > Function > Slips

Power transmission > Automatic transmission > Function > Shifting is not performed or is delayed

Power transmission > Automatic transmission > Function > Poor shift quality

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
			5482S45	Software release for shift quality, automatic transmission shifts hard (to be used when the problem is the 5-4 downshift)
			5457590	Gasoline engine control unit software release (to be used when the problem is the 3-2 downshift)