

Harsh engagement when changing gear range from P to D or R

Topic number	LI27.50-P-071658
Version	2
Function group	27.50 Gear assembly
Date	09-30-2020
Validity	Vehicles with transmission 725.0 and 725.1
Reason for change	After consultation with Development, we are releasing this GI for MOPF transmission 725.1 as well. For transmission 725.0 and 725.1, you should drive up to 5th gear between adaptation processes to also occasionally open B06.
Reason for block	

Complaint:

When changing gear range from P to D or R, harsh engagement may be noticeable

Cause:

The engagement process is only adapted for slow engagement from N or P and not for fast changing between D and R. Since the speed of change during the engagement process is very low, several engagement processes are required in order to learn the fill time and contact pressure.

Remedy:

The engagement sequence must be taught in again as follows:

Start the engine from cold,

Engage gear P, wait at least 5s.;

Engage gear D, wait at least 5s.;

Engage gear P, wait at least 5s.;

Engage gear R, wait at least 5s.; .

..

Repeat this process for the engagement processes into D and R 10 times. Then drive vehicle up to 5th gear to cool the disks.

Also repeat the above procedure with the transmission at operating temperature (approx. 50°C) and running hot (approx. 70°C).

Symptoms
Power transmission / Function / Jolting/shuddering during start-off
Power transmission / Automatic transmission / Function / Malfunction

XENTRY TIPS

Power transmission / Automatic transmission / Function / Shuddering during start-off
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Power transmission / Automatic transmission / Function / Shudders

Power transmission / Automatic transmission / Function / Poor shift quality
