

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

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| Topic number | LI27.50-P-071658 |
| Version | 1 |
| Function group | 27.50 Gear assembly |
| Date | 08-26-2020 |
| Validity | Vehicles with transmission 725.0 |
| Reason for change | |
| 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 the vehicle in up to 3rd gear max., to cool the plates.

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

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| Symptoms |
| Power transmission / Function / Jolting/shuddering during start-off |
| Power transmission / Automatic transmission / Function / Malfunction |
| Power transmission / Automatic transmission / Function / Shuddering during start-off |
| Power transmission / Automatic transmission / Function / Shudders |
| Power transmission / Automatic transmission / Function / Poor shift quality |

XENTRY TIPS

| Validity | | |
|----------|--------|--------------|
| Vehicle | Engine | Transmission |
| * | * | 725 |