LuK Service Info

Release bearing and CSC with self-centring function

Thrust ring is decentralised when fitted as a new component

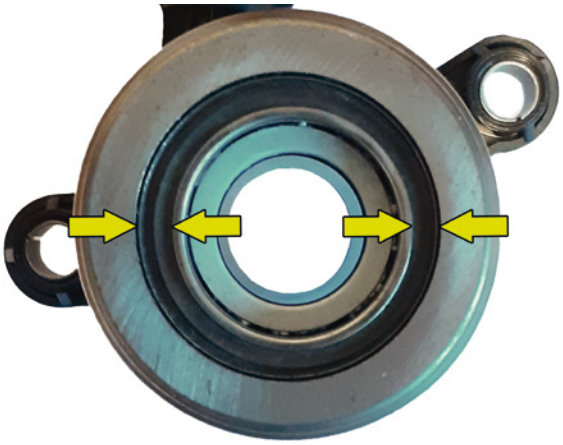

Image 1: Concentric slave cylinder (CSC) with a decentralised thrust ring

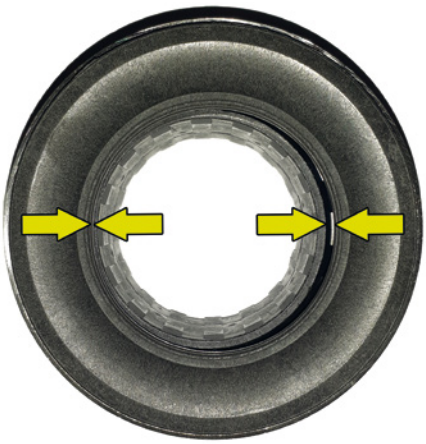

Image 2: Release bearing with a decentralised thrust ring

When the engine and gearbox are joined together, component tolerances converge; this usually results in a slight radial offset between the rotational axes of the crankshaft and the gearbox input shaft.
When using a radially stationary thrust ring, the actuating force is not applied centrally onto the disc spring tips of the clutch. This reduces comfort and increases wear.

To compensate for this disadvantage, the release bearing and concentric slave cylinder (CSC) are equipped with a thrust ring that can move radially. This thrust ring can react to a possible radial offset within a defined tolerance range by aligning itself centrally with the disc spring through the rotational movement of the clutch.

Note:
The thrust ring can be decentralised for both new CSCs (Image 1) and new release bearings (Image 2).
This does not present any technical problems and does not constitute a defect. The components can be used without restriction. The thrust ring centres itself the first time the clutch is actuated.

Please observe the vehicle manufacturer specifications!

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