



LuK Service Info



Diagnosis in case of noises

Replacement of the dual mass flywheel only after thorough inspection

In the course of troubleshooting, the dual mass flywheel (DMF) is often suspected of being defective. Particular caution should be exercised here, because disturbing noises are often attributed to the DMF. In many cases, however, these noises are caused by defects in other vehicle systems or by chip tuning.

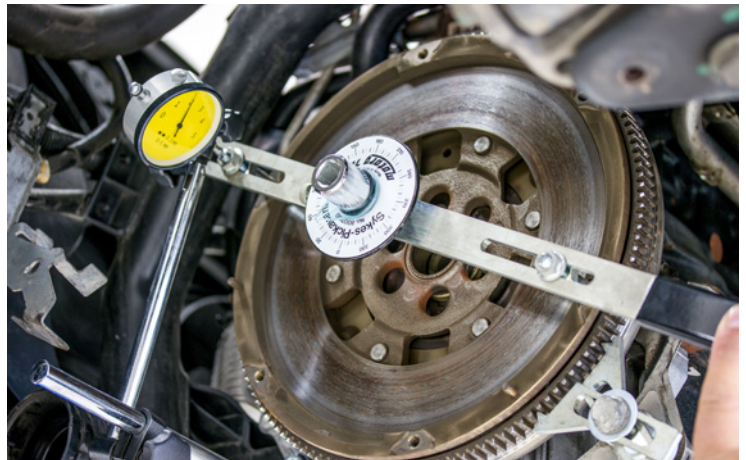
So in order to narrow down the root cause of the problem, you should first check the following points and eliminate possible errors. If the noises persist after that, then replacement of the DMF can be taken into consideration.

Noises while starting:

- Read out the error log and measured data blocks
- Check the battery under load (with suitable diagnostic device)
- Measure voltage loss of the ground and power supply line
- Check the main ground connection (corrosion, tightening torque)
- Check for proper operation of the starter (e.g. engine speed at least 300 rpm)
- Check for proper operation of the engine and transmission bearings
- Check the accessories drive system (e.g. tensioner, decoupled pulley, overrunning alternator pulley)

Noises while idling or running under partial load:

- Read out the error log and measured data blocks
- Check air-fuel mixing and ignition system
- Check condition of tires, suspension, exhaust system, engine and transmission
- Check splined connection of the drive shaft (in case of multi-piece design) Kardanwelle mit umliegenden Bauteilen prüfen
- Check cardan shaft with adjacent components
- Check absorber weights



DMF special tool, Part No.: 400 0080 10

Noises while shutting off the engine:

- Read out the error log and measured data blocks
- Check whether the intake manifold throttle closes when shutting off the engine
- Check the intake manifold area for carbon deposition
- Check for proper operation of the EGR valve
- Check transmission oil level

Checks with transmission removed:

- Length of pressure plate bolts (if bolts are too long they block the DMF)
- Pilot bearing
- Axial play in the transmission input shaft (according to the specifications of the vehicle manufacturer)
- Fitting sleeves on the flange of the engine
- Engagement bearing or release bearing
- Inspect dual mass flywheel with special tool Part No.: 400 0080 10 (target values listed at: www.repxpert.com)

Please observe the vehicle manufacturer specifications!

You want more? We can help!

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