



## LuK Service Info

# Installation notice

## Dual-mass flywheel (DMF) for wet dual-clutch transmission

Manufacturer: Audi  
Seat  
ŠKODA  
Volkswagen

LuK DMF: 415 0711 09  
415 0723 09  
415 0727 09  
415 0732 09  
415 0736 09  
415 0740 09  
415 0744 09



Fig. 1: Some grease should be applied to the inner spline of the DMF every time it is serviced

Vehicles with a wet dual-clutch transmission use a special configuration of the DMF. It differs from the standard configuration basically in the design of the secondary side. It is not arranged as a flywheel with an integrated friction surface, but rather in the form of a flange. The latter transmits the engine torque through a splined connection with the dual-clutch.

That spline then operates under optimal conditions only when the transmission is mounted to the engine with nearly perfect alignment.

Damaged, deformed or missing adapter sleeves, as well as components trapped in the area of the bolt-on surface can result in angular or radial offset when installing the transmission. This subjects the spline to very high loading, which, over the long term, can cause premature wear and annoying noises at idle.

### When replacing the DMF, Schaeffler Automotive Aftermarket recommends observing the following points:

- Always replace the pilot bearing (included in the new DMF package)
- Clean the guide pins and the spline of the dual-clutch and check them for wear; replace them in case of damage
- Apply some high-temperature grease to the spline of the DMF (Fig. 1). The lubricant should mainly be selected in compliance with the specifications of vehicle manufacturer. If no information is provided, a heat-resistant, aging-resistant, high performance grease with MoS<sub>2</sub> (e.g. Castrol Olista Longtime 2 or 3) can be used
- Damaged or missing adapter sleeves must be replaced
- Check for correct seating of the separation plate on the engine and replace if damaged
- Use only a suitable lifting device during removal and installation of the transmission; join the engine and the transmission gradually by hand until the housings come into full contact, and only then fasten them together

Please observe the vehicle manufacturer specifications!

### You want more? We can help!

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