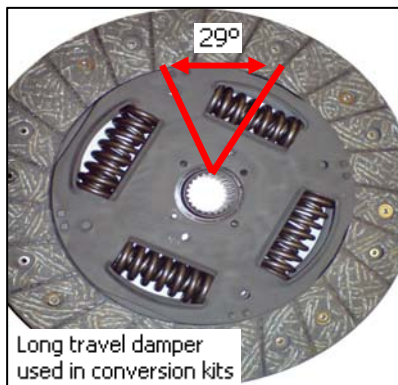
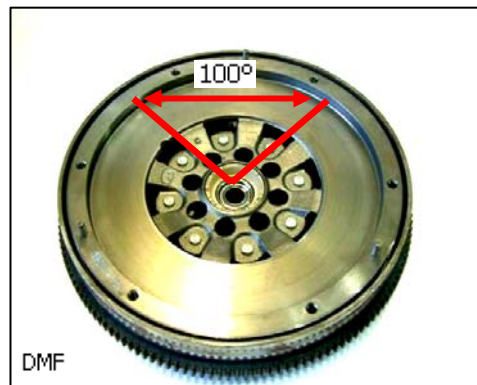


Dual Mass Flywheel Conversions

Over recent months we have received an increasing number of enquiries regarding the use of conversion kits, from the manufacturers specified Dual Mass Flywheels to the old style solid flywheel. It seems to be a common misconception that LuK manufacture and supply these conversions from original equipment specification. This bulletin is to clarify why we do not offer such replacements in Europe.

The purpose of the DMF is to reduce noise, vibration and harshness in the drive chain and since its introduction in 1985 is now used in one in four vehicles in Europe. Conventionally the damping would take place in the driven plate hub via a series of springs and friction control devices. Due to a combination of the higher torque produced by modern engines and the extra ancillary items being driven by them (aircon, power steering etc) the vibration created by the engine has increased dramatically. This harsher vibration can no longer be removed within a sprung driven plate.



The DMF is designed in such a way as to enable up to 100° of vibration damping as opposed to the 29° from the "Long travel" damper used in the conversion kits.

If this vibration is not removed it will be transmitted to other drive chain components. This can result in broken drive shafts, gearbox failures and in extreme cases even broken crankshafts.

It should also be noted that some manufacturers of these conversions do not offer warranty when used in light commercial vehicles and taxis. If this is the case then the repairer would find themselves liable for any incurred damages.

Conversions away from original equipment specification also means replacement parts identification cannot be done until the old clutch has been removed. This can lead to delays in parts supply particularly important on LCV's and taxis.

The conversion from Dual Mass Flywheel to solid flywheel does not comply with original equipment specification and will therefore void any vehicle manufacturers warranty.