DUAL-MASS FLYWHEEL [D66M-R, D66MX-R]

id0510mf168800

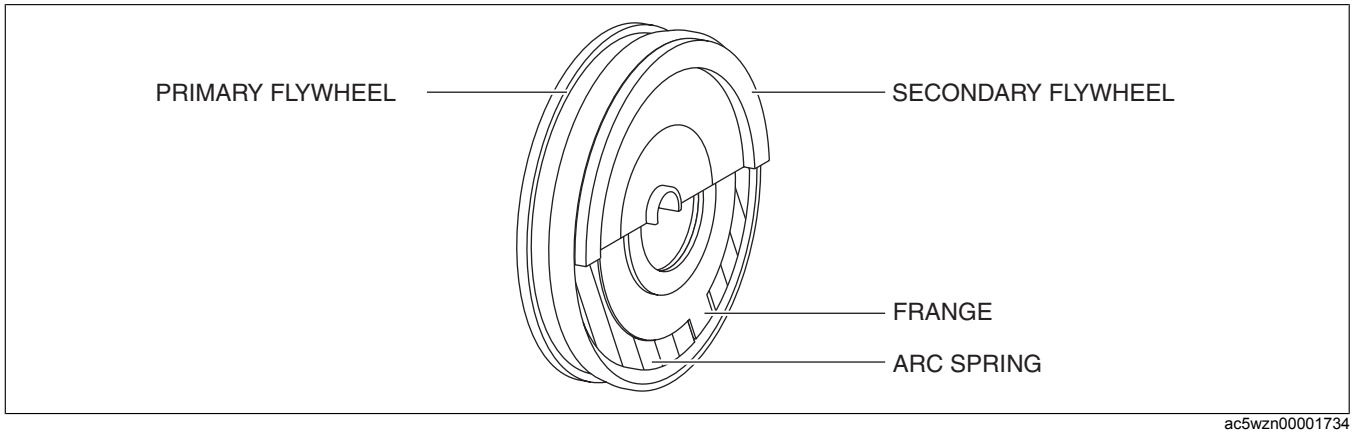
Purpose, Function

- In addition to its primary function as a flywheel, it reduces vibration and noise related to the drive system by reducing fluctuations in engine speed and stabilizing the rotation of the transmission.

Construction, Operation

Basic Operation of dual-mass flywheel

- The construction consists of arc springs positioned between the two flywheels. Depending on the driving conditions, the springs compress and release repeatedly in accordance with the acceleration torque from the primary flywheel side and the deceleration torque from the secondary flywheel side to reduce engine speed fluctuations.



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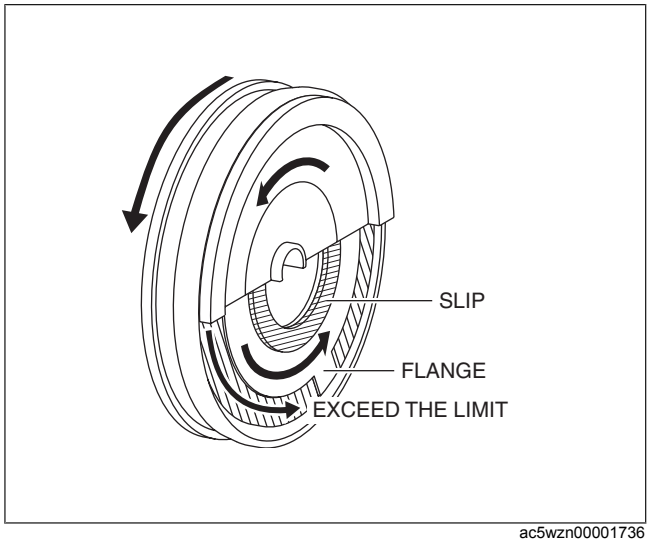
Torque limiter mechanism operation

- If an impact greater than what the spring operation can handle occurs, slipping movement in the flange area occurs to relieve the impact torque. Based on this mechanism, the input of acute damage to internal parts of the dual-mass flywheel is prevented.



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