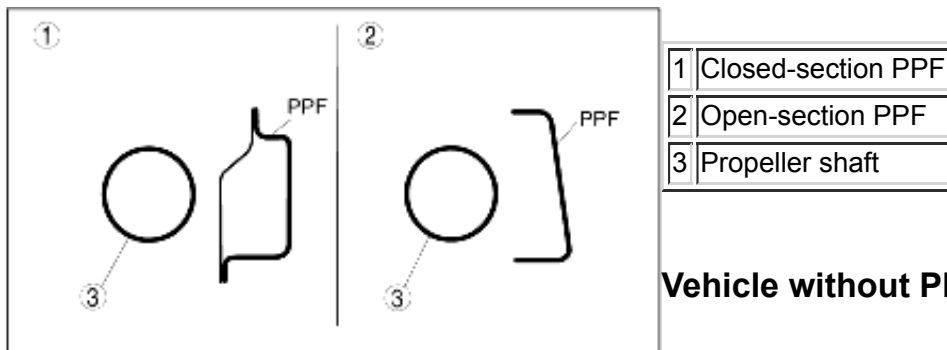


POWER PLANT FRAME (PPF) FUNCTION [R15M-D]

BHE051101025T09

Features

- The power plant frame (PPF) maintains rigidity with a bracket installed between the transmission and the differential. Due to this the shift feeling is solid and a feeling of direct drive when starting from a standstill or accelerating is created.
- Also, due to the closed-section construction of the PPF, direct drive and response feeling have been improved.

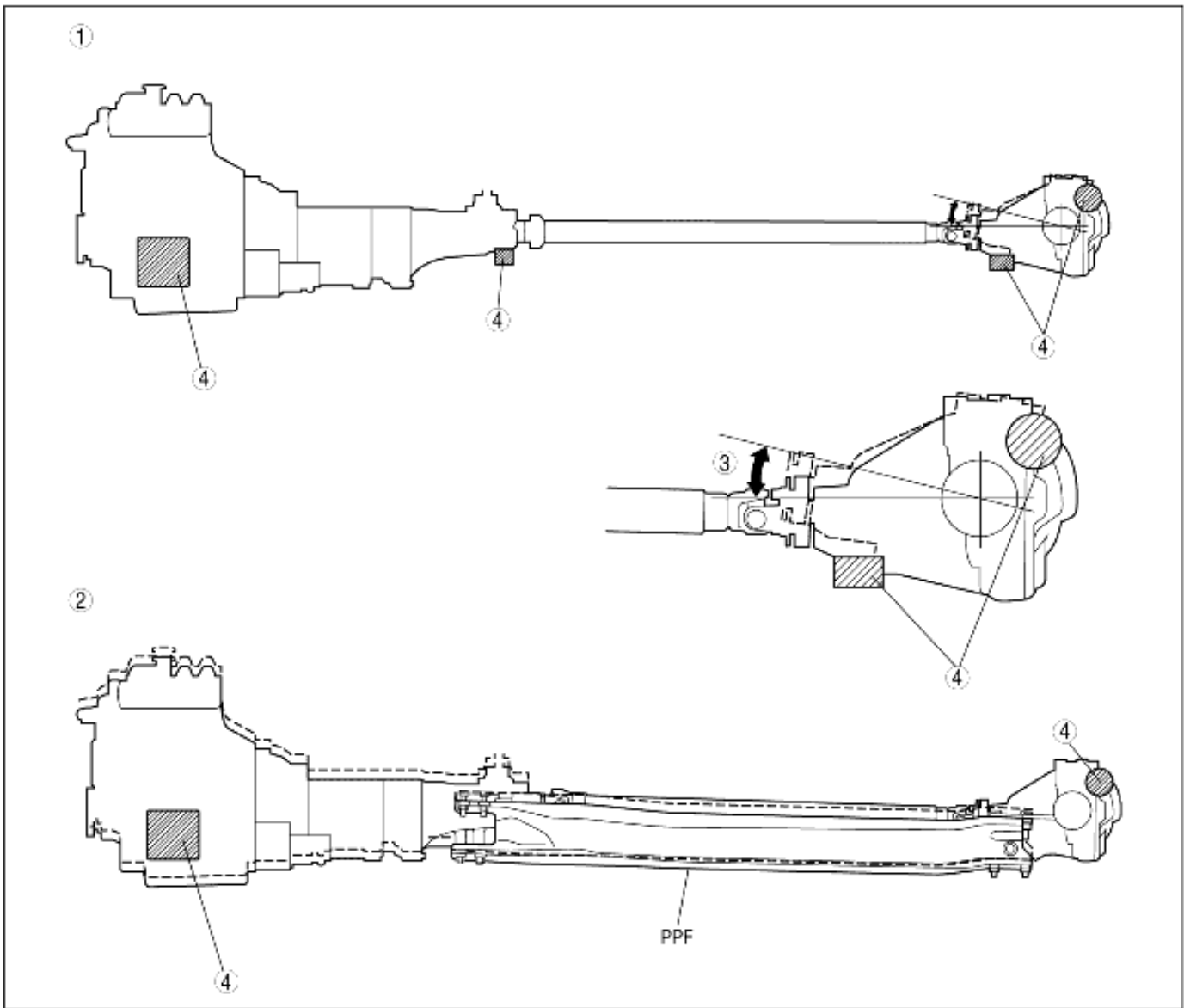


Vehicle without PPF

BHE0511S016— In order to suppress the transmission of excessive vibration to the vehicle body, rubber mounts are used to connect the differential to the frame. When accelerating rapidly, the front part of the differential lifts upward which causes a time lag in the actual engine torque being transmitted to the tires and direct drive feeling is lost.

Vehicles with PPF

– With PPF, the transmission and differential are joined in a single unit which, even though the differential is can be separated from the body, time lag is lessened due to the near elimination of lift, creating a feeling of direct drive. Furthermore, shock and vibration during acceleration and deceleration is greatly reduced.



BHE0511S014

1	Without PPF
2	With PPF
3	Lift
4	Rubber mount