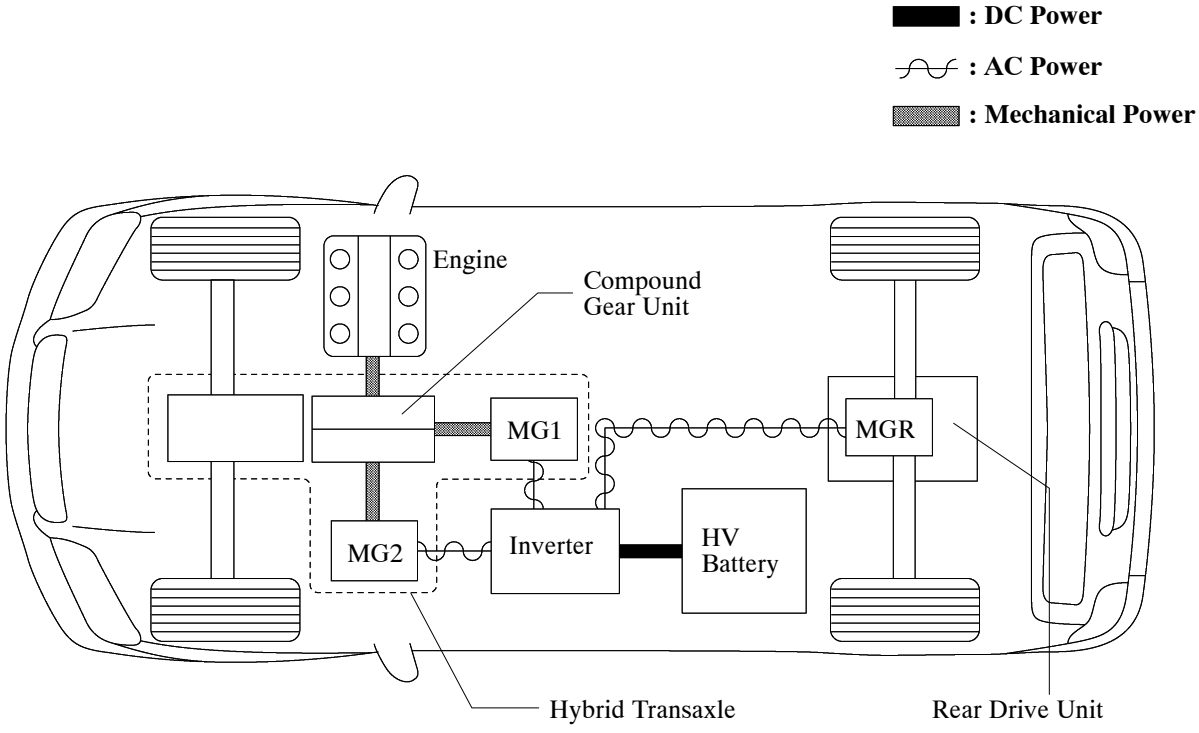
THS-II (TOYOTA HYBRID SYSTEM-II)

■ DESCRIPTION

THS-II (Toyota Hybrid System-II) aims for a high-level simultaneous pursuit of ecology and power, which embodies the hybrid synergy drive concept.

- The THS-II system, as used in this hybrid vehicle, is a 4WD system that uses a series/parallel-type hybrid system for the hybrid transaxle, and a series type hybrid system for the rear drive unit.



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- This system optimally effects cooperative control of a high-output 3MZ-FE engine and a high-speed, high-output MG2 (Motor Generator 2) through a hybrid transaxle and MGR (Motor Generator Rear) through a rear drive unit that provides excellent transmission performance.
- Furthermore, it uses a variable-voltage system consisting of a high-output HV battery with a nominal voltage of DC 288V, and a boost converter that boosts the operating voltage of the system to a maximum voltage of DC 650V.

