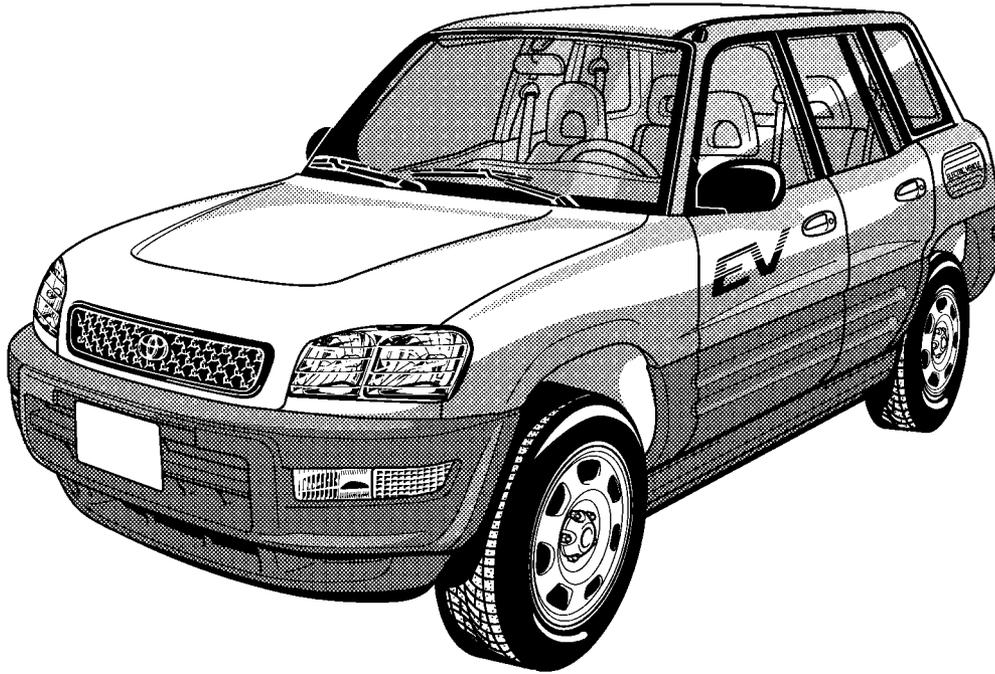
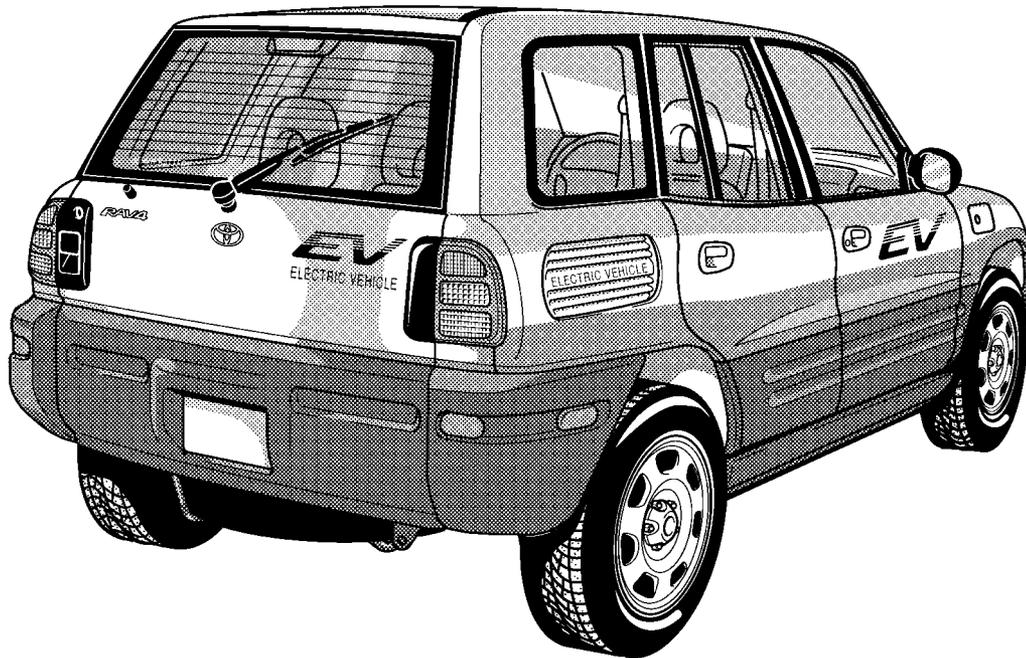


## EXTERIOR APPEARANCE



153IN01



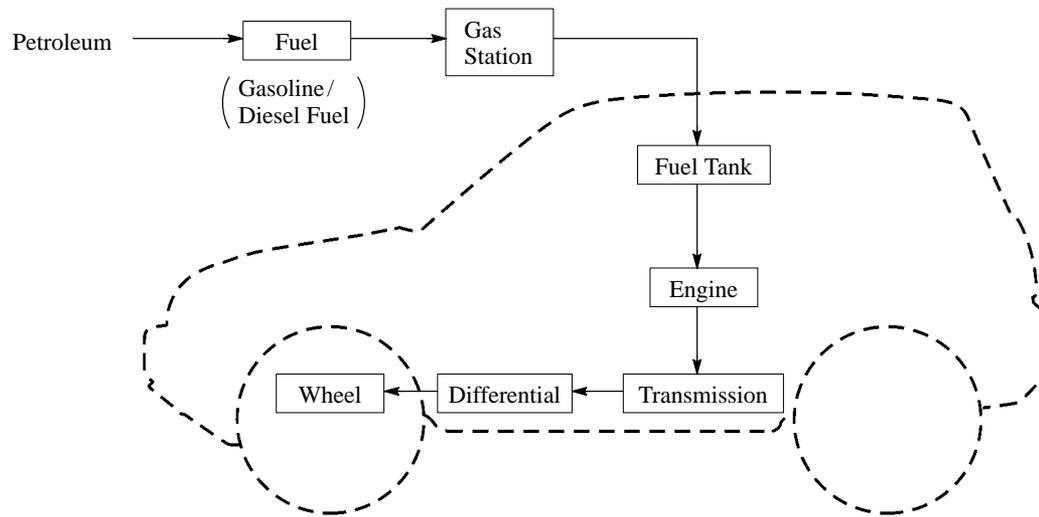
153IN02

## VEHICLE OUTLINE

The RAV4 EV is an electrical vehicle.

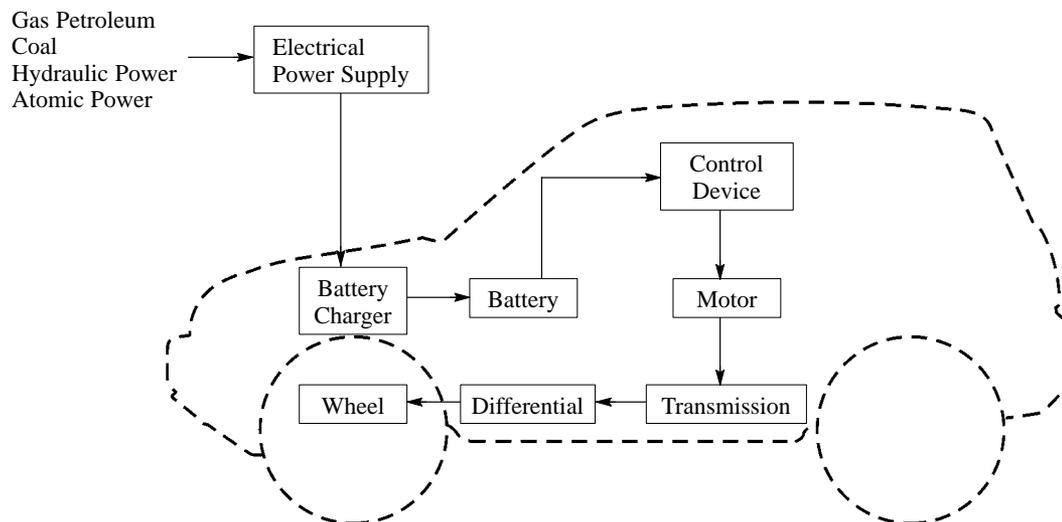
In contrast to the internal combustion engine vehicles that use a petroleum product for fuel and produce energy through combustion, an electrical vehicle can use energy from a wide range of sources, including thermal, hydraulic, and atomic energies.

The electrical vehicle stores this energy in its batteries in order to drive the motor, which provides the motive force.



**Internal Combustion Engine Vehicle**

153EG01



**Electrical Vehicle**

153EG01

## VEHICLE OUTLINE

### MAJOR SPECIFICATIONS

Item		Specification
Traction Motor	Type	Permanent Magnet Motor
	Max. Output	50 kW/3100 ~ 4600 rpm
	Rated Output	20 kW/3800 rpm
	Max. Torque	190 N·m/0 ~ 1500 rpm
Traction Batteries	Type	Nickel-Metal Hydride
	Total Voltage	288 V
	Number of Batteries	24 Units
Drive System		Front Wheel Drive
Transaxle		Single-Speed
Power Steering		Electro-Hydraulic Power Steering
Performance	Max. Speed	125 km/h (78 mph)
	Range per Charge*1	COMBI: 200 km (125 mile)

\*1: Air Conditioning ON

### RAV4 EV CHARACTERISTICS

1. The traction batteries are located under the vehicle floor, thus affording a large interior space, providing ease of loading and unloading cargo, and offering driving stability.
2. To ensure ease of use, the electrical vehicle adopts a shiftless, single-speed transaxle, which provides the same level of ease of use as that of conventional automatic transmission vehicles.
3. Highly efficient nickel-metal hydride batteries are used for the traction batteries that drive the traction motor and an on-board battery charger is provided to enable the batteries to be charged by household current.
4. The following technologies are also adopted:
  - (1) Highly efficient, compact, and lightweight permanent magnet motor
  - (2) High performance regenerative brake system
  - (3) Low-energy, gas-injection type heat-pump air conditioner (using HFC134a refrigerant)
  - (4) Low roll-resistance tires made exclusively for the electrical vehicle
  - (5) A hydraulic brake booster integrated with ABS

## ■ NEW FEATURES

An inductive battery charge type model that supports the U.S. uniform charging system has been added, in addition to the conductive battery charge type model that is equipped with the conventional on-board charger. The inductive battery charge type model has the following characteristics:

- A non-contact type charge system, in which the electrical power is supplied by an external charger through electromagnetic induction, has been adopted.
- The charge port in the right fender has been discontinued, and a charge port is provided in the front grille.
- The opener switch for opening the charge port in the front grille is provided in the center console.

The aluminum alloy wheels are standard equipment on all models.

