

RAV4

OUTLINE OF NEW FEATURES

The following changes are made for the new RAV4.

1. Model Line-up

The 1AZ-FE engine has been discontinued and the 2AZ-FE engine has been introduced on the model for Australia.

2. Exterior

- The designs of the front bumper and radiator grille have been changed.
- A large-diameter fog light has been newly provided at each end of the front bumper. Hole covers have been provided on the models without fog lights.
- The designs of the headlights have been changed.
- The outer lens color of the side turn-signal lights have been changed from amber to clear.
- The designs of the rear combination lights have been changed.
- The designs of the spare wheel cover have been changed.
- Windshield glass with shielding ceramic has been provided on all models.
- A defogger function has been provided on the back door glass of all models.
- The color of the privacy glass on the back door has been changed from dark green to cool green.
- The design of the aluminum disc wheels for the 215/70R16 and 235/60R16 tires has been changed.
- The following exterior colors have been added:

Added Color No.	Added Color Name
040	Super White II
4R4	Beige Metallic
3Q3	Dark Red Mica Metallic
6T6	Light Green Metallic
1E0	Dark Gray Mica
6R4	Dark Green Mica

3. Interior

- The designs of the meter cluster have been changed.
- The shapes of the center cluster have been changed.
- Soft-feel paint has been adopted in the instrument panel unit of the models for Europe.
- The designs of the shift knob have been changed.
- The designs of the steering wheel have been changed.
- The designs of the heater control panel have been changed.
- Steering pad switches for operating the audio system have been made available as optional equipment on the steering wheel of the models for Europe.
- The designs of the door assist grips have been changed.
- Key illumination has been provided as standard equipment on the models for the G.C.C. (Gulf Cooperation Council) countries and General Countries.
- The shape of the manual, glare-resistant inner mirror has been changed.
- The vanity mirror on the sun visor has been changed to a hard-case vanity mirror.
- A vanity light has been provided on the sun visor on the models for Europe.
- A room separator only for the rear section has been provided on the models for Europe equipped with curtain shield airbags. (This is available as a set option on the models with rear three-point seat belts.)
For the models without curtain shield airbag, the room separator has been provided for the front side.

4. 1ZZ-FE Engine

SLLC (Super Long Life Coolant) has been newly adopted.

5. 1AZ-FE Engine

Unleaded gasoline model has been changed as follows.

- To improve fuel economy, the operating angle of the camshaft has been changed.
- A throttle body with a built-in link-less throttle position sensor has been adopted. Accordingly, an ETCS-i (Electronic Throttle Control System-intelligent) function has been adopted.
- The exhaust manifold has been changed from dual pipes to a single pipe.
- To comply with the exhaust emission regulations, the models for Europe and the G. C. C. countries have adopted an under floor catalyst.
- SLLC (Super Long Life Coolant) has been newly adopted.
- The models for Europe have adopted injectors with improved atomization of fuel in order to comply with the STEP IV exhaust emission regulations.
- The fuel tube on the models for Europe and the G.C.C. countries has been changed from the rubber tube joint to the quick connector joint type.
- The shape of the fuel tank of all models, except for the general export models, has been changed.
- The alternator of the automatic transaxle has been changed to a segment conductor type.
- A linear type accelerator pedal position sensor has been adopted.
- The cooling fan system on the models for Europe and the G.C.C. countries, which was controlled by the water temperature switch, has been changed to ECU control.
- The evaporative purge flow rate in the models for Europe and the G.C.C. countries has been changed.

6. 2AZ-FE Engine

- The 2AZ-FE engine has been newly adopted on the models for Australia.
- An under floor under floor catalyst has been adopted to comply with the STEP II. exhaust emission regulations.

7. 1CD-FTV Engine

- SLLC (Super Long Life Coolant) has been newly adopted.
- The fuel tube has been changed from the rubber tube joint to the quick connector joint type.
- The diagnosis system has been corresponded to the Euro-OBd (Europe On-Board Diagnosis) that complies with European regulation.

8. E350 Series Manual Transaxle

The gear ratio of the E350 series manual transaxle, which has been adopted with the respective engines, has been partially changed.

9. Automatic Transaxle

An ATF (Automatic Transmission Fluid) warmer has been newly adopted on the models with an automatic transaxle (this is unavailable on the models for the G.C.C. countries).

10. Suspension

- The damping characteristics of the No. 2 front lower arm bushing have been changed to attain a higher damping force.
- The linear control valve and the base valve of the front shock absorber have been changed to different-diameter laminated valves.
- The construction of the rear wheel bearing has been changed for weight reduction.

11. Brake

- A silent valve has been adopted in the solenoid in the ABS (Anti-lock Brake System) brake actuator in order to reduce the operating sound.
- The VSC (Vehicle Stability Control) system has been made available as optional equipment on the models for Europe and Australia. Models equipped with VSC are provided with the following functions: ABS with EBD (Electronic Brake Force Distribution), Brake Assist, and TRC (Traction Control) system.
- To control VSC, braking control has been adopted under the conditions in which the limitations of the tires are not exceeded.

12. Power Steering System

The shaft control valve characteristics of the power steering gear has been changed.

13. Body

- An energy absorbing reinforcement has been added in the head impact protection area of the roof panel.
- The return spring of the outside door handle has been strengthened to improve its operating feel.
- Impact energy absorbing pads have been provided in the dash area behind the floor carpet, in consideration of safety.
- The dash silencer and the door trims have been changed to a sound absorbing construction.
- A sound insulation material to reduce the sounds transmitted from the engine has been adopted in the instrument panel.

14. Seat

- Along with the adoption of the curtain shield airbags and side airbags, the construction of the seat frames, headrests, and the outer shields has been changed.
- CRS anchor brackets have been provided at the rear seats on Europe and Australia model.

15. Seat Belt

- The size of the buckle and the tongue of the seat belts for the front seats and the outer rear seats has been changed on all models.
- The buckle and the tongue of the 3-point seat belt for the rear center seat on the 5-door models for Europe and Australia have been changed.
- A no-contact type buckle switch for seatbelt warning has been adopted on the driver's seat of the models for Europe.
- The width of the webbing of the outer belt of the 3-point seat belt for the rear seats has been changed from 49 mm to 47 mm.
- The shoulder anchor slip joint for the outer rear seats on all models has been changed.
- The shape of the shoulder belt guide on the 3-door model has been changed to improve the ease of use.

16. Multiplex Communication

CAN (Controller Area Network) communication has been adopted for the brake control system on the models equipped with VSC.

17. Manual Headlight Beam Level Control System

A headlight leveling mechanism has been provided on the models for Saudi Arabia.

18. Combination Meter

The design and construction of combination meter has been changed.

19. Wiper System

The rubber blades of the front wipers now have surfaces coated with graphite. These rubber blades, which minimize the sound of the impact that is created when the wipers swing back, also offer a longer use life.

20. Air Conditioner

- An automatic air conditioner system has been made available as optional equipment on the models for Europe.
- The front blower motor has been changed to a compact and lightweight type.
- A defroster logic function, which positively introduces fresh air in the defroster mode in order to prevent the window from fogging, has been adopted on the models for Europe with a manual and automatic air conditioner system.

21. Automatic Glare-Resistant Inner Mirror

- An automatic glare-resistant inner mirror has been made available as optional equipment for all destinations.

22. Engine Immobilizer System

On the new RAV4 models, the transponder key ECU controls the engine immobilizer system by communicating with the engine ECU. Also the encoding of the ID in the ignition key and the ID stored in the transponder key ECU has been changed from the conventional fixed encoding to an encrypted encoding type. As a result, the theft deterrence performance has been improved.
(Except for the 1ZZ-FE engine for Europe models.)

23. SRS Airbag System

- A dual-stage SRS airbag system has been adopted for the driver's and front passenger airbags on the models for Europe. In this system, the deployment pressure of the airbags can be controlled in two stages.
- SRS side airbags and curtain shield airbags have been made available as optional equipment on the models for Europe, Australia, and the G.C.C. countries.

24. Cruise Control System

- Along with the adoption of ETCS-i (Electronic Throttle Control System-intelligent), the control of the cruise control system has been changed on the 1AZ-FE and 2AZ-FE engine models.
- The cruise control ECU has been integrated with the engine ECU.

25. Navigation System

The version of the navigation system has been updated with new functions.

26. Audio System

Steering pad switches have been made available as optional equipment on the models for Europe.