



Toyota RAV4
Standard Safety Equipment

2019



Adult Occupant



93%

Child Occupant



87%

Vulnerable Road Users



85%

Safety Assist



77%

SPECIFICATION

Tested Model	Toyota RAV4 Hybrid AWD, LHD
Body Type	- 5 door SUV
Year Of Publication	2019
Kerb Weight	1730kg
VIN From Which Rating Applies	- all RAV4s
Class	Small SUV

Rating Expired

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	✗
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	✗	✗
SIDE CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	✗
Side pelvis airbag	●	●	✗

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●
OTHER SYSTEMS			
Active Bonnet (Hood)	✗		
AEB Pedestrian	●		
AEB City	●		
AEB Cyclist	●		
AEB Inter-Urban	●		
Speed Assistance System	●		
Lane Assist System	●		

Note: Other equipment may be available on the vehicle but was not considered in the test year.

- Fitted to the vehicle as standard ○ Fitted to the vehicle as part of the safety pack
- Not fitted to the test vehicle but available as option or as part of the safety pack ✗ Not available — Not applicable

 ADULT OCCUPANT

Total 35.7 Pts / 93%

 GOOD	 ADEQUATE	 MARGINAL	 WEAK	 POOR
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Frontal Offset Deformable Barrier 7.4 / 8 Pts



Passenger



Driver

Frontal Full Width 7.5 / 8 Pts



Rear Passenger



Driver

Whiplash Rear Impact 1.7 / 2 Pts



Front seat



Rear seat

Lateral Impact 15.0 / 16 Pts



Car



Pole

 ADULT OCCUPANT

Total 35.7 Pts / 93%

 GOOD ADEQUATE MARGINAL WEAK POOR

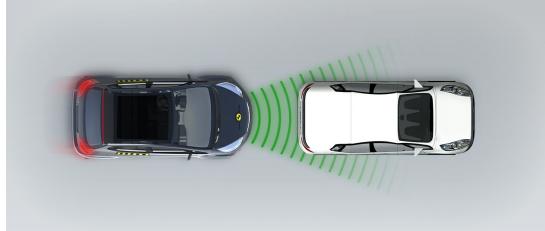
AEB City

 4.0 / 4 Pts

Approaching a stationary car: Left Offset



Approaching a stationary car: No Offset



Approaching a stationary car: Right Offset





ADULT OCCUPANT

Total 35.7 Pts / 93%

Comments

The passenger compartment of the RAV4 remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Toyota showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. In the full-width rigid barrier test, protection of critical body areas was good or adequate for both the driver and rear passenger. In the side barrier test, dummy readings indicated good protection of all critical body areas. The same was true of the more severe side pole test, but the curtain airbag caught on part of the interior trim and was judged not to have deployed correctly. As a result, protection of the head was down-graded from good to adequate in both the side impact tests. Tests on the front seats and head restraints demonstrated good protection against whiplash injury in the event of rear-end collision. A geometric assessment of the rear seats also indicated good whiplash protection. The standard-fit autonomous emergency braking (AEB) system scored full points in tests of its functionality at low speeds, typical of city driving, with collisions avoided in all scenarios.


 CHILD OCCUPANT

Total 42.8 Pts / 87%


 GOOD ADEQUATE MARGINAL WEAK POOR

Crash Test Performance based on 6 & 10 year old children

23.8 / 24 Pts

Frontal Impact	15.8 Pts	Lateral Impact	8 Pts
			

Restraint for 6 year old child: *TOYOTA KIDFIX XP SICT*Restraint for 10 year old child: *Booster Cushion*

Safety Features

7.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗


 Fitted to test car as standard


 Not on test car but available as option


 Not available

CRS Installation Check

12.0 / 12 Pts

● Install without problem ● Install with care ● Safety critical problem ✖ Installation not allowed

■ i-Size CRS

Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)



Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)



BeSafe iZi Kid X2 i-Size (iSize)



BeSafe iZi Flex FIX i-Size (iSize)



■ ISOFIX CRS

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Britax Römer Duo Plus (ISOFIX)



Britax Römer KidFix XP (ISOFIX)



 CHILD OCCUPANT

Total 42.8 Pts / 87%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)



Comments

In the frontal offset test, protection was good or adequate for all critical body areas of both the 6 and 10 year dummies. In the side barrier test, maximum points were scored with all body regions well protected. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. All of the restraint types for which the RAV4 is designed could be properly installed and accommodated in the car.

 CHILD OCCUPANT

Total 42.8 Pts / 87%

	Seat Position			
	Front		2nd row	
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)	—	●	—	●
BeSafe iZi Kid X2 i-Size (iSize)	—	●	—	●
BeSafe iZi Flex FIX i-Size (iSize)	—	●	—	●
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)	—	●	—	●
BeSafe iZi Kid X4 ISOfix (ISOFIX)	—	●	—	●
Britax Römer Duo Plus (ISOFIX)	—	●	—	●
Britax Römer KidFix XP (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	●	●
Britax Römer King II LS (Belt)	●	●	●	●
Britax Römer KidFix XP (Belt)	●	●	●	●

 Easy

 Difficult

 Safety critical

 Not allowed

 Not available

Comments

In the frontal offset test, protection was good or adequate for all critical body areas of both the 6 and 10 year dummies. In the side barrier test, maximum points were scored with all body regions well protected. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. All of the restraint types for which the RAV4 is designed could be properly installed and accommodated in the car.



VULNERABLE ROAD USERS

Total 40.9 Pts / 85%

GOOD	ADEQUATE	MARGINAL	WEAK	POOR
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VRU Impact Protection

29.6 / 36 Pts



Head Impact	17.6 Pts
Pelvis Impact	6.0 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

11.3 / 12 Pts

System Name	Pre-Collision System as part of Toyota Safety Sense
Type	Auto-Brake with Forward Collision Warning
Operational From	10 km/h

Comments

The protection provided by the bonnet to the head of a struck pedestrian was good or adequate over almost the entire surface. The bumper provided good protection to pedestrians' legs at all test locations, and maximum points were also scored for protection of the pelvis. The AEB system of the RAV4 can detect vulnerable road users as well as other vehicles, and performed well in tests of its reaction to pedestrians and to cyclists.



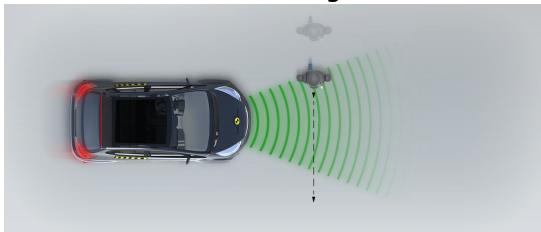
VULNERABLE ROAD USERS

Total 40.9 Pts / 85%

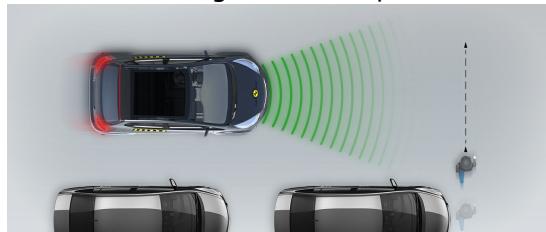
AEB Pedestrian

■ Day time

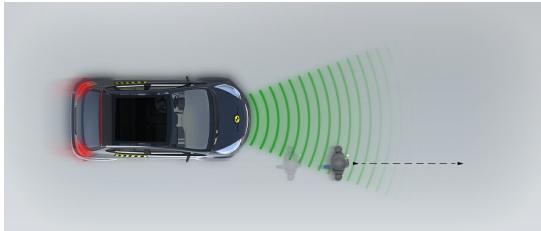
Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside



■ Night time

Adult crossing the road



Adult along the roadside

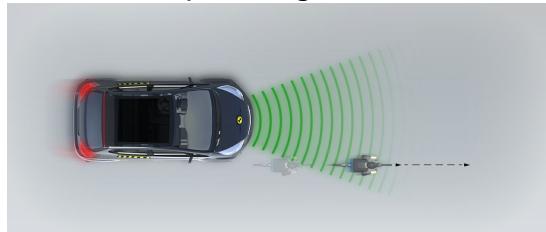


AEB Cyclist

Approaching a crossing cyclist



Cyclist along the roadside



 **SAFETY ASSIST**

Total 10.1 Pts / 77%

 GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR
Speed Assistance
 2.4 / 3 Pts

System Name	Dynamic Radar Cruise Control with Road Sign Assist as part of Toyota Safety Sense		
Speed Limit Information Function	Camera based		
Speed Limitation Function	System advised (accurate to 5km/h)		

Seatbelt Reminder
 3.0 / 3 Pts

Applies To	Not available		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	●

● Pass

● Fail

— Not available
Lane Support
 2.3 / 4 Pts

System Name	Lane Departure Alert with steering control as part of Toyota Safety Sense		
Type	LKA (including LDW)		
Operational From	50 km/h		

PERFORMANCE

Lane Keep Assist	 GOOD
Human Machine Interface	 ADEQUATE

 SAFETY ASSIST

Total 10.1 Pts / 77%

AEB Inter-Urban

 2.4 / 3 Pts

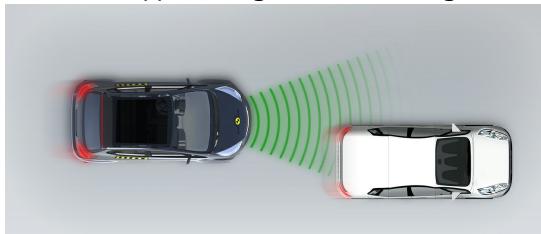
System Name	Pre-Collision System as part of Toyota Safety Sense
Type	Autonomous Emergency Braking and Forward Collision Warning
Operational From	10 km/h

Comments

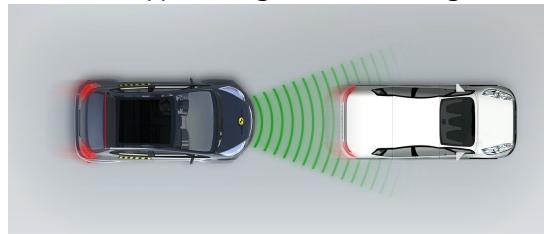
The RAV4 has a seatbelt reminder system for the front and rear seats as standard. The speed assistance system uses a camera to determine the local speed limit. The limit is presented to the driver and offers the opportunity to set the limiter to the speed shown. The lane support system helps to prevent inadvertent drifting out of lane, and also intervenes in some more critical situations. In tests of its functionality at highway speeds, the AEB system performed well, with collisions avoided or mitigated in almost all scenarios.

■ Autobrake function only

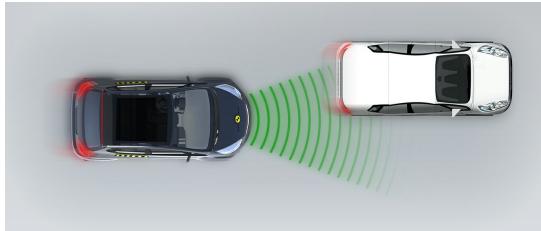
Approaching a slower moving car



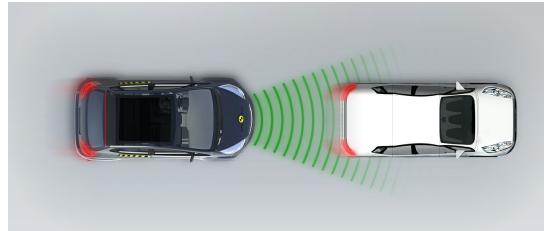
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car

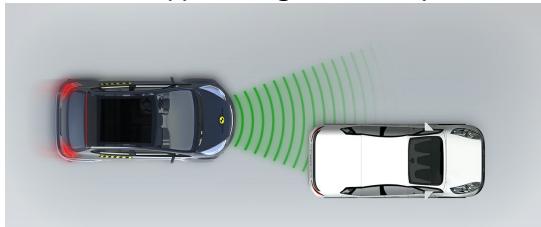


 SAFETY ASSIST

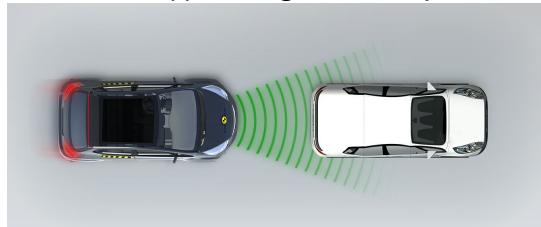
Total 10.1 Pts / 77%

■ Driver reacts to warning

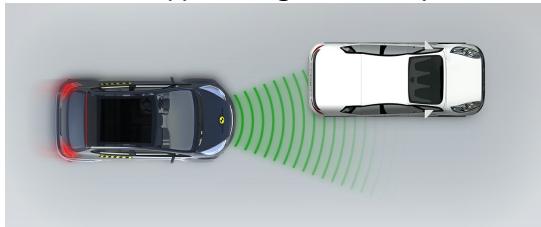
Approaching a stationary car



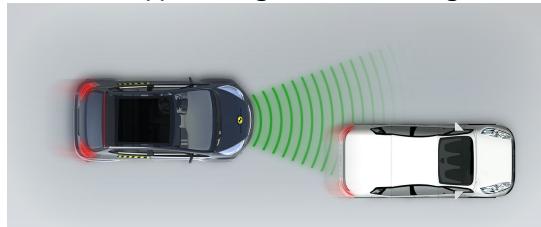
Approaching a stationary car



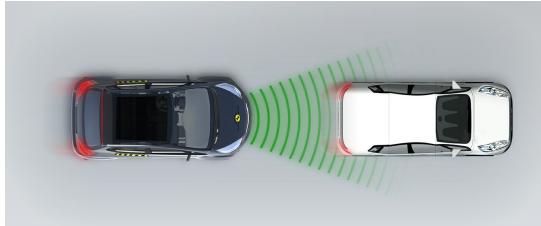
Approaching a stationary car



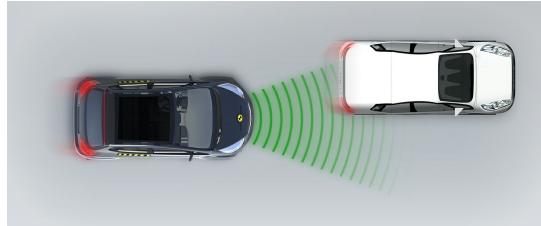
Approaching a slower moving car



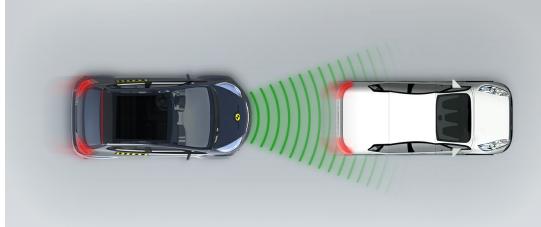
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



RATING VALIDITY

Variants of Model Range

Body Type	Engine & Transmission	Drivetrain	Rating Applies	
			LHD	RHD
5 door SUV	2.5l petrol hybrid	4 x 2	✓	✓
5 door SUV	2.5l petrol hybrid	4 x 4*	✓	✓
5 door SUV	2.0l petrol	4 x 2	✓	✓
5 door SUV	2.0l petrol	4 x 4	✓	✓
5 door SUV	2.5l petrol plug-in hybrid	4 x 4	✓	✓

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome	
May 2019	Rating Published	2019 	✓
October 2020	Addition of plug-in hybrid (PHEV) variant	2019 	✓