

# Toyota RAV4

Toyota RAV4, 2.2 diesel, mid grade, LHD

2013



89%

ADULT OCCUPANT



82%

CHILD OCCUPANT



66%

PEDESTRIAN



66%

SAFETY ASSIST

## ADULT OCCUPANT

Total 32 pts | 89%

### FRONTAL IMPACT

13,6 pts



Driver



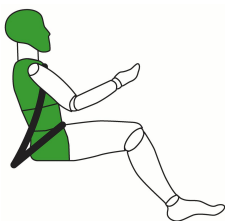
Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

7,6 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,1 pts



	GOOD
	ADEQUATE
	MARGINAL
	WEAK
	POOR

### FRONTAL IMPACT

#### HEAD

Driver airbag contact	bottomed out
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	28mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

#### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

#### LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	Brake - 71.7mm
Upward pedal movement	Brake - 18.2mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	'Sporty', cloth 6 way manual adjust
Head restraint type	Passive
Geometric assessment	2 pts

#### TESTS

- High severity	2,3 pts
- Medium severity	2,1 pts
- Low severity	2,2 pts

## CHILD OCCUPANT

Total 41 pts | 82%

## CRASH TEST PERFORMANCE

## 18 MONTH OLD CHILD

**Restraint** Takata MINI  
**Facing** rearward facing  
**Installation** ISOFIX and Supportleg



PERFORMANCE 11,9 pts

## FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** fair

## SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

## 3 YEAR OLD CHILD

**Restraint** Takata MIDI  
**Facing** forward facing  
**Installation** ISOFIX and Supportleg



PERFORMANCE 11,6 pts

## FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

## SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

## CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isofix

**Safety features score** 6 pts  
**Installation check score** 11 pts

**Pass** Install without problem  
**Partial Fail** Install with care  
**Fail** Safety critical problem  
**Exempt** Installation not allowed

	SEAT POSITION							
	FRONT		2nd ROW			3rd ROW		
	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
Maxi Cosi Cabriofix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
BeSafe iZi Kid X3 ISOfix (ISOFIX)	N/A	Exempt	P Fail	Exempt	P Fail	N/A	N/A	N/A
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Takata Mini (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Takata Midi (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A

## PEDESTRIAN

Total 24 pts | 66%



GOOD
ADEQUATE
MARGINAL
WEAK
POOR

HEAD	18 pts
PELVIS	0 pts
LEG	6 pts

## SAFETY ASSIST

Total 6 pts | 66%

## SPEED ASSISTANCE SYSTEM

0 pts

## ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- VSC Pass

Yaw rate ratio (1.00s) 2,30 %

Yaw rate ratio (1.75s) 1,60 %

Lateral displacement (1.07s) 3,07 m

## SEATBELT REMINDER

3 pts

- driver and passenger Pass

- rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

Tested model	Toyota RAV4, 2.2 diesel, mid grade, LHD
Body type	5 door SUV
Year of publication	2013
Kerb weight	1680kg
VIN from which rating applies	applies to all RAV4's of the specification tested

### SAFETY EQUIPMENT

#### Front seatbelt pretensioners

#### Front seatbelt load limiters

Driver frontal airbag single stage

Front passenger frontal airbag single stage

#### Side body airbags

#### Side head airbags

#### Driver knee airbag

#### Electronic Stability Control

#### Seatbelt Reminder

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. However, the driver's airbag was not sufficiently well inflated to prevent the dummy's head from flattening the airbag and making contact, through the airbag material, with the steering wheel. In this test, dummy readings showed that the resulting contact was not hazardous.

However, the car was penliased and protection of the head area was rated as adequate. Dummy readings showed good protection of the knees, femurs and pelvis of both driver and passenger. Toyota showed that a similar level of protection would be provided to occupants of different sizes and to those sat in different positions. In the side barrier test, the RAV4 scored maximum points with good protection of all body regions. In the more severe side pole test, protection of the chest was adequate and that of other body regions was good. The front seats and head restraints provided good protection against whiplash injury in the event of a rear-end collision.

### Child occupant

For 2013, Euro NCAP is using improved child dummies and applying a broader assessment of CRS to vehicle compatibility. In the frontal impact, forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive. In the side impact, both dummies were properly contained by their restraints, minimising the likelihood of dangerous head contact with parts of the car interior. All child restraints for which the car is designed could be installed. However, care was needed when installing the semi-universal group 0+/1 restraint to ensure that the ISOFIX probes were properly fixed into the anchorages in the rear outboard seats. The 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.

### Pedestrian

The bumper provided good protection to pedestrians' legs in all areas tested and scored maximum points. However, the front edge of the bonnet scored no points, offering poor protection to the pelvis area. The bonnet offered predominantly fair protection for the head of a struck pedestrian, with some good protection in the areas where a child's head and an adult's head might strike.

### Safety assist

Electronic stability control is standard equipment on all RAV4s, and passed Euro NCAP's test requirements. A seatbelt reminder is also standard for the driver, passenger and rear seats. A speed limitation device is available as an option but is not expected to be sold in sufficient numbers to qualify for inclusion in Euro NCAP's assessment.