

# Renault ZOE

Renault ZOE, LHD

2013 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 32 pts | 89%

### FRONTAL IMPACT

15,6 pts



Driver



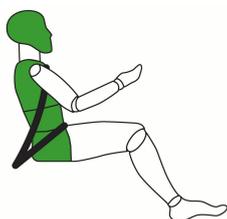
Passenger

### SIDE IMPACT CAR

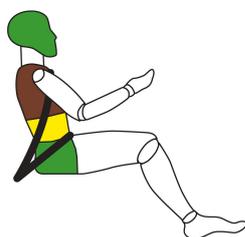
8 pts

### SIDE IMPACT POLE

5,8 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

2,9 pts



### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	11mm
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	Accelerator - 35mm
Upward pedal movement	none

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	Standard cloth, 2 way manual
Head restraint type	Passive
Geometric assessment	2 pts

#### TESTS

- High severity	2 pts
- Medium severity	1,7 pts
- Low severity	2,2 pts

## CHILD OCCUPANT

Total 39 pts | 80%

### CRASH TEST PERFORMANCE

#### 18 MONTH OLD CHILD

**Restraint** Britax Baby-Safe Plus  
**Facing** rearward facing  
**Installation** ISOFIX and Supportleg



PERFORMANCE **12 pts**

#### FRONTAL IMPACT

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

#### SIDE IMPACT

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

#### 3 YEAR OLD CHILD

**Restraint** Britax - Duo Plus  
**Facing** forward facing  
**Installation** ISOFIX and TopTether



PERFORMANCE **8,8 pts**

#### FRONTAL IMPACT

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

#### SIDE IMPACT

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

### CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isofix

**Safety features score** **7 pts**  
**Installation check score** **11,7 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	Pass	Pass	N/A	N/A	N/A
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Fail	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
BeSafe iZi Kid X3 Isofix (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Römer BabySafe + ISOFIX Base (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A

**PEDESTRIAN**

Total 24 pts | 66%



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

<b>HEAD</b>	14,2 pts
<b>PELVIS</b>	3,9 pts
<b>LEG</b>	6 pts

**SAFETY ASSIST**

Total 8 pts | 85%

**SPEED ASSISTANCE SYSTEM** 1,7 pts

Standard	
Speed Information	Pass
Speed Assistance (Manual)	Pass

**ELECTRONIC STABILITY CONTROL (ESC)** 3 pts

- ESP	Pass
Yaw rate ratio (1.00s)	2,10 %
Yaw rate ratio (1.75s)	2,39 %
Lateral displacement (1.07s)	3,07 m

**SEATBELT REMINDER** 3 pts

- driver and passenger	Pass
- rear	Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Renault ZOE, LHD
<b>Body type</b>	5 door hatchback
<b>Year of publication</b>	2013
<b>Kerb weight</b>	1468kg
<b>VIN from which rating applies</b>	applies to all ZOE's of the specification tested

### SAFETY EQUIPMENT

<b>Front seatbelt pretensioners</b>	
<b>Front seatbelt load limiters</b>	
<b>Driver frontal airbag</b>	single stage
<b>Front passenger frontal airbag</b>	single stage
<b>Side body airbags</b>	
<b>Side head airbags</b>	
<b>Speed Limitation Assistance</b>	Manual
<b>Electronic Stability Control</b>	
<b>Seatbelt Reminder</b>	

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of all body regions for the passenger, and for all of the driver's body regions apart from the chest, protection of which was adequate. For the knees and femurs, Renault 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 ZOE scored maximum points, with good protection of all body regions. However, in the more severe side pole impact, dummy readings of rib compression indicated weak protection of the chest. The front seats and head restraints provided marginal protection against whiplash injuries 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. Based on dummy data from the dynamic tests, the ZOE scored maximum points for its protection of the 1½ year infant. 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 within the protective shells of their restraints, minimising the likelihood of dangerous head contact with parts of the car interior. All of the child restraints for which the car is designed could be installed without problem apart from the group 2/3 restraint, which could not be properly installed in the rear centre seat. The passenger airbag can be disabled to allow a rearward-facing restraint to be used in the front passenger seat. 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. The front edge of the bonnet offered marginal 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 the ZOE, and passed Euro NCAP's test requirements. A seatbelt reminder is standard for the front and rear seats. A speed assistance system is also standard equipment. This uses digital mapping to indicate the relevant speed limit. The driver can then use a manually-set speed limitation device as appropriate to control the vehicle's speed.