

Crash Tests

New Car Safety

Renault Laguna

06/2008 on 12/2011 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: Series III 5 dr hatch

35.91 out of 37

Engine: 2 litre diesel, manual
Category: Medium Car

The diesel left-hand-drive European model was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Renault Laguna III was introduced in Australia during June 2008.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted all seats.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt.

Overall Evaluation: 5

5 Stars. The Laguna scored 15.91 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious leg injury for the driver.

The vehicle scored 15 out of 16 in the side impact crash test. Injury values were all good but a door opened during the crash. A further two points in the optional pole test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 4 pts, upper legs 4 pts, lower legs 3.91 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 35 mm. The clutch pedal moved upwards 12 mm. The steering wheel hub moved 1 mm rearward, 1 mm upward and 10mm sideways. The front ("A") pillar moved 27 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort.

The airbag cushioned the head of the driver and contact was stable. There were no knee hazards. The passenger's head was cushioned by the airbag.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

One point was deducted because the rear door opened during the crash.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

Pedestrian rating (v4.1)



The front edge of the bonnet scored no points for its protection of pedestrians' legs. The bonnet's protection of pedestrians' heads was predominantly poor.

Child head impacts	3.39
Adult head impacts	0.81
Upper leg impacts	Zero
Lower leg impacts	5.72
Total (out of 36)	9.92

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test aa 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	245	309	34
- Acceleration (g for 3ms)	39.5	46.6	24
Neck			
- Shear (kN)	0.49	0.71	
- Tension (kN)	1.25	1.42	
- Extension (Nm)	17	31.5	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	18.1	15.66	15.9
- Viscous Criterion (m/s)	0.07	0.06	0.09
Abdomen			
- Force (kN)			0.38
Pelvis			
- Force (kN)			1.42
Upper Legs Force (kN)			
- Left	0.17	0.61	
- Right	0	0.74	
Knee Displacement (kN)			
- Left	0	0	
- Right	0	0	
Lower Legs Force (kN)			
- Left	1.59	1.62	
- Right	1.18	1.69	
Index (Upper Lower)			
- Left	0.28 0.24	0.33 0.32	
- Right	0.42 0.18	0.35 0.22	

Bonus points (maximum 5)

Pole Test: 2

Seat Belt Reminders: 3

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & conc loading
Lower leg	No deduction
Foot score	No deduction
Structure	4 points

Modifiers for side impact test scores

Head		
Chest		No deduction
Upper leg		
Lower leg		
Foot score		
Structure	Door opened	1 pt deduction



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