

Crash Tests

New Car Safety

Nissan Micra

06/2007 on 11/2010 - Dual Frontal

Overall Evaluation



Overall Score

Variant: 5 door hatch

22.18 out of 37

Engine: 1.4 litre

Category: Light Car

Model History and Safety Features

The tested model of Nissan Micra was introduced in Australia during 2007.

Dual front airbags, are standard equipment. Antilock brakes (ABS), with electronic brakeforce distribution (EBD) and brake assist are also standard. Side airbags and head-protecting side curtains are available on the City Collection variant. Electronic stability control (ESC) is not available.

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 two point seat belt is fitted to the centre rear seat. This provides inferior protection compared with a three point seat belt.

Overall Evaluation: 3

3 Stars. The Micra scored 9.26 out of 16 in the offset crash test. The passenger compartment held its shape reasonably well. Protection from serious neck, chest and leg injury was marginal for the driver.

The vehicle scored 12.92 out of 16 in the side impact crash test. There was a moderate risk of serious chest injury for the driver.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 2.4 pts, chest 2.39 pts, upper legs 1.81 pts, lower legs 2.67 pts.

The passenger compartment held its shape reasonably well in the offset crash test. The accelerator pedal moved rearwards by 81 mm. The brake pedal moved downwards 4mm. The steering wheel hub moved 3 mm rearward, 57mm downward and 22 mm sideways. The front ("A") pillar moved 43 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 but contact was unstable, with the head rolling off the side and striking the door. Steering column and console components were a potential source of injury for the driver's knees. =A metal bracket near the glove box was a potential source of injury for the passenger's knees.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 0.92 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was not eligible for a Pole Impact Test since it did not have head-protecting side airbags. This test can earn eligible vehicles an extra two points.

Pedestrian rating (v3.1)



This pedestrian rating is based on a test of a Micra 3-door hatch by Euro NCAP in 2003. The zones where an adult's and child's head might strike have softer areas and two parts of the front bumper are compliant. But the bonnet's leading edge is unforgiving.

Child head impacts	5.37
Adult head impacts	5
Upper leg impacts	Zero
Lower leg impacts	2
Total (out of 36)	12.37

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	Passn	Driver
Head			
- HIC	654	307	269
- Acceleration (g for 3ms)	61	45	62.5
Neck			
- Shear (kN)	0.58	0.46	
- Tension (kN)	2.94	1.31	
- Extension (Nm)	34.8	17.8	
Chest			
- Acceleration (g for 3ms)	46.5	37.2	
- Compression (mm)	33.3	27.9	27.4
- Viscous Criterion (m/s)	0.2	0.17	0.34
Abdomen			
- Force (kN)			0.824
Pelvis			
- Force (kN)			2.34
Upper Legs Force (kN)			
- Left	1.56	2.49	
- Right	1.59	2.93	
Knee Displacement (kN)			
- Left	1.16	0.24	
- Right	2.73	8.68	
Lower Legs Force (kN)			
- Left	1.75	1.25	
- Right	1.22	2.76	
Index (Upper Lower)			
- Left	0.37 0.42	0.32 0.36	
- Right	0.32 0.7	0.61 0.17	

Bonus points (maximum 5)

Pole Test: Not eligible due to lack of head-side airbags

Seat Belt Reminders: 0

Modifiers for offset test scores

Head	Unstable airbag contact	1 pt deduction
Chest		No deduction
Upper leg	Variable & Conc. Loading for D & P	2 pt deduct. L & R D, 1 pt deduct L&R P
Lower leg		No deduction
Foot score		4 pts
Structure	Note: Steering column & pedal movements are	measured relative to the driver's seat.

Modifiers for side impact test scores

Head		
Chest	T12 moment	2 pt deduction
Upper leg		
Lower leg		
Foot score		
Structure		



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