

Crash Tests

New Car Safety

Nissan Pathfinder

07/2005 on 09/2013 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: Ti 4 Dr Wagon

32.17 out of 37

Engine: 2.5 Litre Diesel

Category: Large SUV

The 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 Nissan Pathfinder was introduced in Australia during 2005.

Dual front airbags are standard on all variants. Side airbags and head-protecting side curtains (as fitted to the tested vehicle) are standard equipment on the Ti variant but are not available on other variants in Australia. ABS/EBD brakes are standard on all variants. Electronic stability control is standard on ST-L and Ti variants. Advanced seat belt reminders are fitted to both front 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. Pre-tensioners 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 seat belt.

Overall Evaluation: 4

The Pathfinder scored 12.17 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious leg injury was marginal for the driver and passenger.

The vehicle scored 16 out of 16 in the side impact crash test. A further 2 points were scored in the optional pole test and 2 points for advanced seat belt reminders. The tested vehicle just missed out on the 32.5 points needed for a 5 star rating.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.37 pts, upper legs 2 pts, lower legs 2.8 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 56 mm and upwards 9 mm. The steering wheel hub moved rearwards 18 mm, downwards 15mm and sideways 41 mm. The front ("A") pillar did not move rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort. The airbag cushioned the head of the driver and contact was stable. Steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. The centre console was a potential source of injury for the passenger's knees. Side curtain airbags deployed.

Side Impact Crash Test

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

This test simulates a fairly small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the Pathfinder. Such vehicles can be expected to perform relatively well in this particular side impact test. The vehicle was eligible for an optional pole impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

Pedestrian rating (v4.1)



Child head impacts	8.16
Adult head impacts	7.63
Upper leg impacts	Zero
Lower leg impacts	2
Total (out of 36)	17.79

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 at 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	587	494	10
- Acceleration (g for 3ms)	62.6	55.8	14.9
Neck			
- Shear (kN)	0.38	0.31	
- Tension (kN)	1.94	0.81	
- Extension (Nm)	20.4	24.5	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	26.4	23.14	12.51
- Viscous Criterion (m/s)	0.14	0.14	0.05
Abdomen			
- Force (kN)			0.14
Pelvis			
- Force (kN)			0.4
Upper Legs Force (kN)			
- Left	0.41	2.11	
- Right	0.5	1.04	
Knee Displacement (kN)			
- Left	0.15	5.53	
- Right	0.31	5.08	
Lower Legs Force (kN)			
- Left	2.22	3.05	
- Right	1.6	2.24	
Index (Upper Lower)			
- Left	0.67 0.46	0.39 0.39	
- Right	0.49 0.51	0.23 0.24	

Bonus points (maximum 5)

Pole Test: 2 points

Seat Belt Reminders: Fitted to front seats - 2 points

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & concentrated loading
Lower leg	Dvr; 2 pt deduction; Pass; 1pt deduction L, 2 pt R
Foot score	No deduction
Structure	Score 3.95 points

Modifiers for side impact test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	No deduction
Structure	No deduction



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