

Crash Tests

New Car Safety

NISSAN PATHFINDER (LHD)

2006 on Front+Side & Head Airbags

Occupant Protection



Occupant Protection Score 32.17 out of 37

Variant: Ti Eng: 2.5 diesel, manual
 Kerb weight: 2130 kg Category: 4WD - LARGE
 Vehicles built: 2005 Test by Euro NCAP

Important note: 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.

OCCUPANT PROTECTION: 4 Stars

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 curtains 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.



Offset crash test at 64km/h

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.

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passn	Driver
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)	20.2	24.5	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	26.40	23.14	12.51
Viscous criterion (m/s)	0.14	0.14	0.05
Abdomen - Force (kN)	-	-	0.140
Pelvis - Force (kN)	-	-	0.400
Upper legs Force	0.41	2.11	
(kN) Left	0.50	1.04	
(kN) Right	0.15	5.53	
Knee displ (mm)	0.31	5.08	
Left			
Right			
Lower legs Force	2.22	3.05	
(kN) Left	1.60	2.24	
(kN) Right			
Index (Upper/Low)	0.67 / 0.46	0.39 / 0.39	
Left			
Right	0.49 / 0.51	0.23 / 0.24	

Bonus points (maximum 5)

Pole Test: 2 pts Seat belt reminders: 2

Modifiers - offset test scores

Head No deduction
 Chest No deduction
 Upper leg Variable & conc. loading Drv 2 pt deduction L & R
 Passn 2pt deduction L, 1pt deduction R
 Lower leg No deduction
 Foot score Blocked pedal Score 3.95 points

Modifiers - side impact test scores

Chest No deduction

PEDESTRIAN PROTECTION RATING (v4.1)

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



ANCAP
 Crash testing for safety
 AUSTRALASIAN
 NEW CAR ASSESSMENT
 PROGRAM

June 2006

PO Box 1555
 Canberra ACT
 Australia 2601
 pathfinder06.doc issued 15/6/06