Crash Tests

New Car Safety

Nissan Navara

03/2008 on 11/2011 - Dual Frontal

Overall Evaluation



Overall Score **22.88 out of 37**
Variant: Dual cab 4X4 Engine: 2.5 diesel manual
Category: Utility

*Safety equipment, as tested, not standard on all variants.
Important note: The European model with dual airbags and seat belt pretensioners 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 Navara (D40) was introduced in Australia during 2005. An enhancement to the airbag software was introduced late in 2007 and this rating applies to airbag-equipped vehicles with this enhancement. Nissan Australia is conducting a related service campaign for earlier vehicles.
Dual front airbags and seat belt pretensioners (as fitted to the tested vehicle) are optional on the 4x4 RX and standard on other variants. Occupant protection can be expected to be worse without these features. Antilock brakes (ABS) with brake assist are also optional on the 4x4 RX and standard on other variants.
Three point seat belts are fitted to all seats. These provide better protection than a two point (lap) seat belts.

Overall Evaluation: 3

3 Stars. The Nissan Navara scored 6.88 out of 16 in the offset crash test. The integrity of the passenger compartment was compromised. Protection from serious chest and leg injury was weak for the driver.
The vehicle scored 16 out of 16 in the side impact crash test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 1.32 pts, upper legs 1.56 pts, lower legs zero pts.
The integrity of the passenger compartment was compromised in the offset crash test. The clutch pedal moved rearwards by 177 mm and upwards 46 mm. The footwell ruptured. The steering wheel hub moved 52 mm rearward, 44 mm upward and 43mm sideways. The front ("A") pillar moved 63 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with normal effort. The airbag cushioned the head of the driver and contact was stable. Dash components were a potential source of injury for the driver and passenger knees. 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.
The side impact test simulates a 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 Navara. Experience shows that such vehicles can be expected to perform well in this test and the Navara scored full marks.

Pedestrian rating (v4.1)



The part of the bonnet surface most likely to be hit by an adult's head was rated predominantly fair for the protection it offered. All other areas - bonnet surface likely to hit by a child's head, the front edge of the bonnet and the bumper - were rated as predominantly poor.

Child head impacts	4.50
Adult head impacts	7.71
Upper leg impacts	Zero
Lower leg impacts	2
Total (out of 36)	14.21

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	405	528	31
- Acceleration (g for 3ms)	62.8	58.5	29
Neck			
- Shear (kN)	0.37	0.39	
- Tension (kN)	2.1	0.66	
- Extension (Nm)	11.2	12.2	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	33.75	25.15	20.92
- Viscous Criterion (m/s)	0.18	0.13	0.26
Abdomen			
- Force (kN)			0.52
Pelvis			
- Force (kN)			0.49
Upper Legs Force (kN)			
- Left	2.54	1.9	
- Right	1.78	2.88	
Knee Displacement (kN)			
- Left	1	6.2	
- Right	0.1	7	
Lower Legs Force (kN)			
- Left	2.61	1.6	
- Right	6.87	2.85	
Index (Upper | Lower)			
- Left	0.66 | 1.19	0.45 | 0.34	
- Right	0.96 | 0.74	0.47 | 0.48	

Bonus points (maximum 5)
Pole Test: Not eligible - no head protecting side airbags
Seat Belt Reminders: None in Australia

Modifiers for offset test scores

Head		No deduction
Chest	Unstable passenger compartment	1 pt deduction
Upper leg	Variable & Conc. loading Driver & Passenger	2 pt deduction L&R
Lower leg		No deduction
Foot score	Pedal rearward, footwell rupture, blocked pedal	zero points
Structure		

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	

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