

# Crash Tests

## New Car Safety

### Nissan Tiida

01/2006 on 01/0001 - Dual Frontal

#### Overall Evaluation



**Overall Score**  
Variant: ST 5 Dr Hatch

**25.5 out of 37**  
Engine: 1.8 Litre  
Category: Small Car

#### Model History and Safety Features

The tested model of Nissan Tiida was introduced in Australia during 2006.

Dual front airbags are standard equipment. Side airbags, head-protecting side curtains and ABS/EBD brakes are standard on the ST-L, Q Hatch and Ti variants.

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

#### Overall Evaluation: 4

The Tiida scored 12.22 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest and leg injury was marginal for the driver.

The vehicle scored 13.28 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 4 pts, chest 2.62 pts, upper legs 2 pts, lower legs 3.6 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 106 mm and upwards 28 mm. The steering wheel hub moved rearwards 14 mm, downwards 51mm and sideways 1 mm. The front ("A") pillar moved 32 mm rearwards. All doors remained closed during the crash. After the crash tools were required to open the driver's door.

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.

#### Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 2 pts, abdomen 3.28 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 (v4.1)



Child head impacts	5.57
Adult head impacts	6
Upper leg impacts	Zero
Lower leg impacts	0.8
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
	Driver	Passn	
<b>Head</b>			
- HIC	558	186	173
- Acceleration (g for 3ms)	52.6	37.8	60.2
<b>Neck</b>			
- Shear (kN)	0.25	0.57	
- Tension (kN)	1.83	0.77	
- Extension (Nm)	15.7	23.5	
<b>Chest</b>			
- Acceleration (g for 3ms)	42.3	31.5	
- Compression (mm)	31.64	23.5	10.4
- Viscous Criterion (m/s)	0.12	0.13	0.09
<b>Abdomen</b>			
- Force (kN)			1.27
<b>Pelvis</b>			
- Force (kN)			2.28
<b>Upper Legs Force (kN)</b>			
- Left	4.34	0.29	
- Right	0.16	2.55	
<b>Knee Displacement (kN)</b>			
- Left	3.1	1.18	
- Right	0.01	8.67	
<b>Lower Legs Force (kN)</b>			
- Left	1.82	1.46	
- Right	1.26	1.57	
<b>Index (Upper   Lower)</b>			
- Left	0.49   0.32	0.22   0.26	
- Right	0.41   0.24	0.49   0.36	

#### Bonus points (maximum 5)

Pole Test: Zero points

Seat Belt Reminders: None fitted - zero points

#### Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & concentrated loading 2 pt deduction R & 1 pt deduction L
Lower leg	No deduction
Foot score	Score 3.764 points
Structure	

#### Modifiers for side impact test scores

Head		
Chest	Backplate load & T12 moment	0.33 pt & 2 pt deductions
Upper leg		
Lower leg		
Foot score		
Structure		



Version 1, Published on: 8/09/2006  
Published by  
New Car Assessment Program  
PO Box 1555  
Canberra ACT Australia 2601