

Crash Tests

New Car Safety

NISSAN TIIDA

2006 on

Dual front airbags



Offset crash test at 64km/h

Occupant Protection



Occupant Protection Score 25.50 out of 37

Variant: ST 5dr hatch

Eng: 1.8 litre auto

Kerb weight: 1160 kg

Category: SMALL CAR

Vehicles built: 2/06 and 1/06

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.

OCCUPANT PROTECTION: 4 Stars

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.

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	558	186	173
Acceleration (g for 3ms)	52.6	37.8	60.2
Neck - Shear (kN)	0.25	0.57	-
Tension (kN)	1.83	0.77	-
Extension (Nm)	15.7	23.5	-
Chest Accln (g for 3ms)	42.3	31.5	-
Compression (mm)	31.64	23.50	10.40
Viscous criterion (m/s)	0.12	0.13	0.09
Abdomen - Force (kN)	-	-	1.270
Pelvis - Force (kN)	-	-	2.280
Upper legs Force Left (kN)	4.34	0.29	
Right (kN)	0.16	2.55	
Knee displ (mm) Left	3.10	1.18	
Right	0.01	8.67	
Lower legs Force Left (kN)	1.82	1.46	
Right (kN)	1.26	1.57	
Index (Upper/Low) Left	0.49 / 0.32	0.22 / 0.26	
Right	0.41 / 0.24	0.49 / 0.36	

Bonus points (maximum 5)

Pole Test: Not eligible

Seat belt reminders: Not fitted

Modifiers - offset test scores

Head

No deduction

Chest

No deduction

Upper leg Variable & conc. loading

2 pt deduction R

Concentrated loading

1 pt deduction L

Lower leg

No deduction

Foot score

Pedal rearward

Score 3.764 points

Modifiers - side impact test scores (max deduction 2pts)

Chest Backplate load

0.33 pt deduction

T12 moment

2 pt deduction

PEDESTRIAN PROTECTION RATING (v4.1)

Child head impacts	5.57	Upper leg impacts	Zero
Adult head impacts	6	Lower leg impacts	0.8
Total (out of 36)	12.37		



ANCAP

Crash testing for safety

AUSTRALASIAN
NEW CAR ASSESSMENT
PROGRAM

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