

# Crash Tests

## New Car Safety

### NISSAN MAXIMA

2006 on Front + side & head airbags

#### Occupant Protection



**Occupant Protection Score 30.09 out of 37**

Variant: Ti Eng: 3.5 litre with CVT  
Kerb weight: 1560 kg Category: MEDIUM CAR/MPV  
Vehicles built: 2/06 and 6/06

#### Model History and Safety Features

The tested model of Nissan Maxima with continuously variable transmission (CVT) was introduced in Australia during 2006.

Dual front airbags and side airbags are standard equipment. Head-protecting side curtains are standard on the tested Ti variant but are not available for the ST-L variant. ABS/EBD brakes, electronic stability control and active head restraints are standard on both 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 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 Maxima scored 12.19 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 15.89 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver. The vehicle scored a further two points in the optional pole test.

#### FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.88 pts, upper legs 2 pts, lower legs 2.31 pts.

The passenger compartment held its shape well in the offset crash test. The park brake pedal moved rearwards by 122 mm and upwards 47 mm. The steering wheel hub moved forwards 15mm, upwards 33 mm and sideways 5 mm. The front ("A") pillar moved 35 mm rearwards. All doors remained closed during the crash. After the crash high manual effort was required to open the driver's door.

The airbag cushioned the head of the driver and contact was stable. The side curtain also deployed. Steering column components were a potential source of injury for the driver's left knee. The passenger's head was cushioned by the airbag. The passenger's knees hit the glove box lid, which had a stiff structure behind the impact point.

#### SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest 3.89 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four



Offset crash test at 64km/h

points for the head in the side 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	377	209	41
Acceleration (g for 3ms)	48.7	39.0	24.4
Neck - Shear (kN)	0.75	0.41	-
Tension (kN)	1.42	0.78	-
Extension (Nm)	25.4	21.5	-
Chest Accln (g for 3ms)	44.60	31.60	-
Compression (mm)	20.60	22.84	22.53
Viscous criterion (m/s)	0.10	0.06	0.15
Abdomen - Force (kN)	-	-	0.886
Pelvis - Force (kN)	-	-	2.300
Upper legs Force (kN)	Left 0.24 Right 0.40	0.33 3.03	
Knee displ (mm)	Left 0.12 Right 0.00	0.21 10.49	
Lower legs Force (kN)	Left 1.32 Right 1.79	1.78 2.58	
Index (Upper/Low)	Left 0.42 / 0.41 Right 0.63 / 0.58	0.32 / 0.15 0.78 / 0.29	

#### Bonus points (maximum 5)

Pole Test: 2 pts Seat belt reminders: None

#### Modifiers - offset test scores

Head No deduction  
Chest No deduction  
Upper leg Variable & conc. loading 2 pt deduction L  
Lower leg No deduction  
Foot score Park brake pedal Score 3.12 points

#### Modifiers - side impact test scores

Chest No deduction

#### PEDESTRIAN PROTECTION RATING (v4.1)

Child head impacts	7.81	Upper leg impacts	0.76
Adult head impacts	1.20	Lower leg impacts	Zero
Total (out of 36)	9.77		



**ANCAP**  
Crash testing for safety

AUSTRALASIAN  
NEW CAR ASSESSMENT  
PROGRAM

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