

Crash Tests

New Car Safety

Mitsubishi 380

07/2005 on 12/2008 - Frontal+Side

Overall Evaluation



Overall Score

Variant: 4 Dr Sedan

28.09 out of 37

Engine: 3.8 Litre

Category: Large Car

Model History and Safety Features

The tested model of Mitsubishi 380 was introduced in Australia during 2005.

Dual front airbags and thorax side airbags are standard equipment. ABS/EBD brakes are also standard. An advanced seat belt reminder is fitted to the driver's seat. A "rest reminder" and speed alarm are provided in the trip computer. Doors automatically unlock in a front or side crash.

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. These seat belts also have load limiters. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point seat belt.

Overall Evaluation: 4

The 380 scored 11.40 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 15.69 out of 16 in the side impact crash test. There was a slight risk of serious abdomen injury for the driver.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.16 pts, upper legs 2 pts, lower legs 3.24 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 64 mm and upwards 37 mm. The steering wheel hub moved rearwards 7 mm, upwards 7 mm and sideways 3 mm. The front ("A") pillar moved 13 mm 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.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 3.69 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	1.810
Adult head impacts	Zero
Upper leg impacts	Zero
Lower leg impacts	Zero
Total (out of 36)	1.810

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	
Head			
- HIC	356	431	31
- Acceleration (g for 3ms)	47.4	48.3	16.3
Neck			
- Shear (kN)	0.42	0.42	
- Tension (kN)	1.3	1.2	
- Extension (Nm)	12.4	24.2	
Chest			
- Acceleration (g for 3ms)	49.9	35.3	
- Compression (mm)	34.9	26.9	16.2
- Viscous Criterion (m/s)	0.13	0.1	0.12
Abdomen			
- Force (kN)			1.117
Pelvis			
- Force (kN)			1.08
Upper Legs Force (kN)			
- Left	1.06	0.62	
- Right	0.87	1.21	
Knee Displacement (kN)			
- Left	1.32	1.14	
- Right	0.14	8.28	
Lower Legs Force (kN)			
- Left	1.55	1.55	
- Right	1.82	2.21	
Index (Upper Lower)			
- Left	0.44 0.47	0.39 0.29	
- Right	0.3 0.24	0.57 0.31	

Bonus points (maximum 5)

Pole Test: Zero points

Seat Belt Reminders: Fitted to drivers seat only - 1 point

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & concentrated loading 2 pt deduction L & R
Lower leg	No deduction
Foot score	Score 4 points
Structure	

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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