Crash Tests

New Car Safety

Mitsubishi Lancer

06/2008 on 12/2009 - Frontal+Knee

Overall Evaluation



Overall Score **31.56 out of 37**
Variant: Sportback
Engine: 2 litre, 5 speed manual
Category: Small Car

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	233	329	17
- Acceleration (g for 3ms)	39.8	42	17.6
Neck			
- Shear (kN)	0.4	0.55	
- Tension (kN)	1.13	1.14	
- Extension (Nm)	19.1	14.6	
Chest			
- Acceleration (g for 3ms)	39.7	34.8	
- Compression (mm)	24.3	25.1	19.9
- Viscous Criterion (m/s)	0.11	0.08	0.14
Abdomen			
- Force (kN)			0.35
Pelvis			
- Force (kN)			1.81
Upper Legs Force (kN)			
- Left	1.78	0.26	
- Right	0.98	0.85	
Knee Displacement (kN)			
- Left	3.59	0.31	
- Right	2.35	1.41	
Lower Legs Force (kN)			
- Left	1.56	1.27	
- Right	1.8	1.4	
Index (Upper | Lower)			
- Left	0.26 | 0.25	0.25 | 0.25	
- Right	0.28 | 0.31	0.24 | 0.2	

Model History and Safety Features

The sedan variant was tested by ANCAP. The safety specifications of the Sportback variants are the same as the sedan so will provide the same levels of protection to those described on this page.
The Mitsubishi Lancer Sportback was introduced in Australia and New Zealand during 2008.
Dual front airbags and a driver knee airbag are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Side airbags and head-protecting side curtains are optional on the ES variants in Australia. Intelligent seat belt reminders are fitted to both front seats.
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. Pretensioners 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 (lap) seat belt.

Overall Evaluation: 4

4 Stars. The Lancer scored 15.56 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest injury for the driver. All other injury measurements were good.
The vehicle scored 14 out of 16 in the side impact crash test. All injury measurements were good but the chest score was reduced due to unrealistic loading of the dummy's pelvis.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.56 pts, upper legs 4 pts, lower legs 4 pts.
The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 86 mm. The clutch pedal moved upwards 24 mm. The steering wheel hub moved 14mm forward, 22 mm upward and 19 mm sideways. The front ("A") pillar moved 15 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. The knee airbag protected the driver's knees from the risk of additional injury. 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 4 pts, pelvis 4 pts.
The vehicle was not eligible for a Pole Impact Test since it did not have head-protecting side airbags as standard. This test can earn eligible vehicles an extra two points. A separate ANCAP rating is available for the variants fitted with head-protecting side airbags.

Pedestrian rating (v4.1)



The majority of adult and child head impacts scored partial points. The vehicle received zero points for the upper leg tests, and performed fairly well in the full leg to bumper tests. The tested bumper design applies to Lancers built from July 2008 (earlier builds were also 2 stars).

Child head impacts	6.37
Adult head impacts	3.81
Upper leg impacts	Zero
Lower leg impacts	5.44
Total (out of 36)	15.62

Bonus points (maximum 5)
Pole Test: Not eligible due to lack of head-side airbags
Seat Belt Reminders: 2

Modifiers for offset test scores

Head		No deduction
Chest		No deduction
Upper leg	Variable & Conc. Loading	No deduction
Lower leg		No deduction
Foot score		4 pts
Structure	Note: Steering column & pedal movements are	measured relative to the driver's seat.

Modifiers for side impact test scores

Head		
Chest	T12 loading (movement)	2 pt deduction
Upper leg		
Lower leg		
Foot score		
Structure		

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