

Crash Tests

New Car Safety

Honda City

09/2009 on 09/2010 - Frontal+Side+Head

Overall Evaluation



Overall Score

31.49 out of 37

Variant: VTi

Engine: 1.5 litre, 5 sp manual
Category: Small Car

Model History and Safety Features

The tested model of Honda City was introduced in Australia during 2009. Dual front airbags, side airbags, head-protecting side curtains and antilock brakes (ABS) with electronic brake distribution (EBD) are standard equipment. Electronic stability control (ESC) is not available so the City is not eligible for 5 stars from ANCAP. Advanced seat belt reminders are fitted to both front seats. 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 HONDA CITY scored 14.47 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest and leg injury for the driver and passenger. The vehicle scored 15.02 out of 16 in the side impact crash test. There was a slight 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 3.83 pts, upper legs 3 pts, lower legs 3.64 pts.

The passenger compartment held its shape well in the offset crash test. The clutch pedal moved rearwards by 109 mm and upwards 26 mm. The steering wheel hub moved 64 mm rearward, 18mm downward and 10 mm sideways. The front ("A") pillar moved 2 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. There were no knee hazards for the driver. The passenger's head was cushioned by the airbag. The edge of the centre console was a potential source of injury to the passenger's right knee.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 3.02 pts, abdomen 4 pts, pelvis 4 pts.

Although head-protecting side curtains are standard the City was not eligible for a pole impact test because it did not meet ANCAP's requirements for a 5-star rating. This test can earn an extra two points.

Pedestrian rating (v4.1)



There was mostly good protection for pedestrians. The sides of the bonnet were poor.

Child head impacts	7.63
Adult head impacts	6.34
Upper leg impacts	2
Lower leg impacts	6
Total (out of 36)	21.97

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	180	183	130
- Acceleration (g for 3ms)	34.8	32.3	37.6
Neck			
- Shear (kN)	0.36	0.57	
- Tension (kN)	0.86	0.95	
- Extension (Nm)	18.2	12.6	
Chest			
- Acceleration (g for 3ms)	36.1	31.9	
- Compression (mm)	22.4	23.2	25.6
- Viscous Criterion (m/s)	0.07	0.08	0.22
Abdomen			
- Force (kN)			0.75
Pelvis			
- Force (kN)			2.55
Upper Legs Force (kN)			
- Left	0.66	0.18	
- Right	2.25	1.27	
Knee Displacement (kN)			
- Left	0	0.49	
- Right	1	2.82	
Lower Legs Force (kN)			
- Left	1.4	1.62	
- Right	2.05	1.18	
Index (Upper Lower)			
- Left	0.26 0.15	0.35 0.13	
- Right	0.4 0.28	0.25 0.13	

Bonus points (maximum 5)

Pole Test: Not eligible

Seat Belt Reminders: 2

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Concentrated loading
Lower leg	No deduction
Foot score	4 points
Structure	Note: Steering column & pedal movements
	are measured relative to the driver's seat

Modifiers for side impact test scores

Head		
Chest	Backplate load	0.26pt deduction
Upper leg		
Lower leg		
Foot score		
Structure		



Version 1, Published on: 26/02/2010
Published by
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