

Crash Tests

New Car Safety

Ford Fiesta

02/2009 on 12/2012 - Dual Frontal

Overall Evaluation



Overall Score

Variant: 5 door hatch LHD

28.62 out of 37

Engine: 1.25 litres

Category: Small Car

The 1.25 litre left-hand-drive European model was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Ford Fiesta was introduced in Australia during 2009. This 4 star rating applies to the Fiesta CL & LX 5 door hatches without the safety pack. A separate rating is available for the safety pack versions.

Dual front airbags and antilock brakes (ABS) with electronic brake distribution (EBD) are standard. Side airbags (with chest and head protection), a driver knee airbag and ESC are standard on the Zetec and optional on the other variants. 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 Fiesta scored 12.90 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a moderate risk of serious leg injury for the driver.

The vehicle scored 13.72 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 3.51 pts, upper legs 4 pts, lower legs 3.39 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved forwards by 3mm. The clutch pedal moved downwards 41mm. The steering wheel hub moved 65mm forward and 29mm downward. The front ("A") pillar moved 4 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. The passenger's head was cushioned by the airbag. The vehicle tested by Euro NCAP had a driver knee airbag but the Fiesta CL and LX do not have this safety feature as standard. ANCAP has applied a 2 point modifier to the driver leg score to take account of the extra risk of injury without the knee airbag

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 2.47 pts, abdomen 3.25 pts, pelvis 4 pts.

Euro NCAP tested a Fiesta equipped with head-protecting side airbags and so the results do not apply to the base model without side airbags. The crash test is based on ECE Regulation 95 and ANCAP was provided with test data associated with a regulation crash test of the base model Fiesta. The test conditions were found to be consistent with the Euro NCAP test and the injury data from the regulation test were used for this assessment.

Pedestrian rating (v4.2)



The bumper scored maximum points for its protection of pedestrians' legs. In most areas where a child's head might strike, the bonnet was rated as fair. However, protection was predominantly poor in those areas around the base of the windscreen likely to be struck by an adult's head.

Child head impacts	8.37
Adult head impacts	4
Upper leg impacts	2.02
Lower leg impacts	6
Total (out of 36)	20.39

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.2)		Side Impact Crash Test at 50km/h (v95)
	Driver	Passn	Driver
Head			
- HIC	304	399	189
- Acceleration (g for 3ms)	43.4	49.4	63
Neck			
- Shear (kN)	0.54	0.34	
- Tension (kN)	1.52	0.98	
- Extension (Nm)	19.5	13.5	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	25.44	19.25	26.46
- Viscous Criterion (m/s)	0.08	0.06	0.24
Abdomen			
- Force (kN)			1.28
Pelvis			
- Force (kN)			2.3
Upper Legs Force (kN)			
- Left	0.83	0.45	
- Right	0.78	0.42	
Knee Displacement (kN)			
- Left	0	0	
- Right	0	0	
Lower Legs Force (kN)			
- Left	2.57	2.92	
- Right	2.3	2.4	
Index (Upper Lower)			
- Left	0.32 0.26	0.33 0.37	
- Right	0.31 0.34	0.37 0.44	

Bonus points (maximum 5)

Pole Test: Not eligible no head protecting airbags

Seat Belt Reminders: 2

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Lacks knee airbag
Lower leg	2 pt deduction L & R
Foot score	No deduction
Structure	4 pts

Modifiers for side impact test scores

Head		
Chest	T12 loads	0.64 deduction
Upper leg		
Lower leg		
Foot score		
Structure		



Version 1, Published on: 30/01/2009
Published by
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