Crash Tests

New Car Safety

Ford Fiesta

02/2009 on 12/2012 - Frontal+Side+Head+Knee

Overall Evaluation



Overall Score **34.45 out of 37**
Variant: 5 door hatch LHD
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 5 star rating only applies to the Fiesta 5 door hatch when fitted with head-protecting side airbags, a driver knee airbag and electronic stability control (ESC).
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: 5

5 stars. The Fiesta scored 14.90 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.
The vehicle scored 15.55 out of 16 in the side impact crash test. There was a slight risk of serious abdomen injury for the driver. A further two points were scored in the optional pole test.

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 knee airbag protected the driver's knees and legs. 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 3.55 pts, pelvis 4 pts.
The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

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 aa 50km/h (v4.2)
	Driver	Passn	Driver
Head			
- HIC	304	399	21
- Acceleration (g for 3ms)	43.4	49.4	14.6
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	21.8
- Viscous Criterion (m/s)	0.08	0.06	0.11
Abdomen			
- Force (kN)			1.17
Pelvis			
- Force (kN)			2.4
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: 2 pts
Seat Belt Reminders: 2

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	4 pts
Structure	

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	

ANCAP Crash testing for safety

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New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601