

Crash Tests

New Car Safety

Ford Falcon

10/2002 on 04/2008 - Driver

Overall Evaluation



Overall Score

Variant: BA MKII

25.92 out of 37

Engine: 4 Litre 6 Cyl
Category: Utility

Model History and Safety Features

The tested model of Falcon Utility was introduced in Australia during 2004.

A driver airbag is standard on all variants. A passenger frontal airbag is optional on some variants and standard on others. ABS/EBD brakes are also available. An advanced seat belt reminder is fitted to the driver's seat.

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 both seat belts to reduce slack in the event of a crash. The driver's seat belt retractor has a load limiter.

Overall Evaluation: 4

The Falcon Utility scored 10.56 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest injury was weak for the driver and passenger. There was a slight risk of serious lower leg injury for both occupants and a slight risk of neck injury for the passenger.

The vehicle scored 14.36 out of 16 in the side impact crash test. There was a marginal risk of serious chest injury for the driver.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 2.99 pts, chest 0.81 pts, upper legs 4 pts, lower legs 2.76 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 98 mm and downwards 14mm. By design, the brake pedal hinge separated during the crash, allowing the brake pedal to swing freely. This reduces the risk of lower leg injury. The feet were protected from footwell deformation by a laminated insert under the carpet. The steering wheel hub moved rearwards 15 mm, upwards 30 mm and sideways 4 mm. The front ("A") pillar moved 40 mm rearwards. All doors remained closed during the crash. After the crash high manual effort was required to open the driver's door.

The airbag cushioned the head of the driver and contact was stable. There were no deductions for knee hazards. Although the passenger did not have an airbag there was no head contact with the dash.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4pts, chest 2.36 pts, abdomen 4pts, pelvis 4pts.

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)



A pedestrian test was not conducted on the BA Falcon XR6 utility.

The BA Falcon sedan offers similar pedestrian protection. The BA Falcon sedan scored 2.64 points out of 36 and one star.

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 at 50km/h (v4.1)
	Driver	Passn	Driver
Head			
- HIC	802	803	248
- Acceleration (g for 3ms)	66.1	68.7	65.1
Neck			
- Shear (kN)	0.57		
- Tension (kN)	2		
- Extension (Nm)	38.9	21.6	
Chest			
- Acceleration (g for 3ms)	59.5	50.5	
- Compression (mm)	43.6	44.3	30.2
- Viscous Criterion (m/s)	0.23	0.23	0.46
Abdomen			
- Force (kN)			0.5
Pelvis			
- Force (kN)			1.97
Upper Legs Force (kN)			
- Left	2.2	0.2	
- Right	0.8	0.81	
Knee Displacement (kN)			
- Left	4.38	0.91	
- Right	0.21	4.81	
Lower Legs Force (kN)			
- Left	2.81	1.42	
- Right	2.81	3.71	
Index (Upper Lower)			
- Left	0.68 0.68	0.33 0.33	
- Right	0.53 0.67	0.51 0.47	

Bonus points (maximum 5)

Pole Test: Zero points

Seat Belt Reminders: Fitted to drivers seat - 1 point

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	Score 4 points
Structure	No deduction

Modifiers for side impact test scores

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



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