

Crash Tests

New Car Safety

Ford Courier

02/1999 on 06/2006 - None

Overall Evaluation



Overall Score

Variant: GL Crew Cab 4x4

16.49 out of 37

Engine: 2.5 L Turbo Diesel
Category: Utility

Model History and Safety Features

The tested model of Ford Courier 4x4 was introduced in Australia during 1999. The Mazda Bravo is based on the same design and can be expected to have similar crashworthiness.

Dual front airbags are optional and were not fitted to the test vehicle.

A two point seat belt is fitted to the centre rear seat. This provides inferior protection compared with a three point seat belt. Child restraint anchorages are fitted behind the rear seat but are difficult to reach.

Overall Evaluation: 2

The Courier 4x4 scored 2.62 out of 16 in the offset crash test. The passenger compartment was severely deformed. Protection from serious leg injury was poor for the driver. Head and chest protection were weak for the driver. Chest protection was marginal for the passenger.

The vehicle was awarded a default score of 16 out of 16 in the side impact crash test.

The low offset score limited the overall rating to 2 stars and 16.49 points (the maximum points available for a 2 star rating). This provision was introduced in 2005 and so did not apply to the Bravo/Courier 4x2 utility that was rated by ANCAP in 2002. Test protocols have also changed since 2002.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 1 pt, chest 0.2 pts, upper legs 1.42 pts, lower legs zero pts.

The passenger compartment integrity was compromised in the offset crash test. The brake pedal moved rearwards by 418 mm and upwards 107 mm. The steering wheel hub moved rearwards 133 mm, upwards 119 mm and sideways 14 mm. The front ("A") pillar moved 227 mm rearwards. All doors remained closed during the crash. After the crash tools were required to open the driver's door.

Steering column components were a potential source of injury for the driver's knees.

Side Impact Crash Test

Default 16 points awarded for side impact test.

The side impact test normally used by ANCAP simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the Courier 4x4. Experience shows that such vehicles can be expected to perform well in this test so ANCAP has decided to award full score for these vehicles instead of conducting a crash test.

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)



Child head impacts 1.22
Adult head impacts zero
Upper leg impacts zero
Lower leg impacts zero

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
	Driver	Passn	
Head			
- HIC	855	522	
- Acceleration (g for 3ms)	83.3	70.7	
Neck			
- Shear (kN)	1.08	0.86	
- Tension (kN)	2.47	1.92	
- Extension (Nm)	30.9	11.2	
Chest			
- Acceleration (g for 3ms)	35.7	32.3	
- Compression (mm)	34.6	38.9	
- Viscous Criterion (m/s)	0.14	0.18	
Abdomen			
- Force (kN)			
Pelvis			
- Force (kN)			
Upper Legs Force (kN)			
- Left	1.98	1.95	
- Right	2.04	1.79	
Knee Displacement (kN)			
- Left	7.31	11.44	
- Right	2.2	3.18	
Lower Legs Force (kN)			
- Left	9.17	2.84	
- Right	7.74	2.46	
Index (Upper Lower)			
- Left	1.34 1.34	0.77 0.45	
- Right	1.19 1.06	0.32 0.4	

Bonus points (maximum 5)

Pole Test: Zero points

Seat Belt Reminders: None fitted - zero points

Modifiers for offset test scores

Head	Steering column movement	1 pt deduction
Chest	A-pillar movement and loss of structure	2 pt deduction
Upper leg	Variable & concentrated loading	2 pt deduction L & R
Lower leg		No deduction
Foot score		Score zero points
Structure	Footwell rupture	1 pt deduction

Modifiers for side impact test scores

Head	Not assessed
Chest	Not assessed
Upper leg	Not assessed
Lower leg	Not assessed
Foot score	Not assessed
Structure	Not assessed



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New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601