

Crash Test Results

New Car Safety

FORD TRANSIT VAN

2006 on

Driver airbag



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST (v4.1)

Body region scores out of 4 points each: Head/neck 4 pts, chest 0.53 pts, upper legs 2 pts, lower legs zero pts.

The passenger compartment lost structural integrity in the footwell area. The clutch pedal moved rearwards by 192 mm and upwards 79 mm. The steering wheel hub moved 62 mm rearward, 54 mm upward and 8 mm sideways. The front ("A") pillar moved 134 mm rearwards. All doors remained closed during the crash. After the crash tools were required to fully open the driver's door. Battery acid leaked onto the ground. This is a concern because the batteries are located in the passenger compartment, under the driver's seat. A small fire ignited behind the radiator due to an electrical short.

The airbag cushioned the head of the driver and contact was stable. Steering column components were a potential source of injury for the driver's knees. A metal bracket behind the fascia was a hazard to passenger knees

SIDE IMPACT CRASH TEST (v4.1)

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

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 Transit. 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.

PEDESTRIAN PROTECTION: 1 Star

Occupant Protection Score 22.53 out of 37

Variant: SWB low roof, FWD

Eng: 2.2 litre diesel

Kerb weight: 1700 kg

Category: Large Van

Vehicles built: 2008 and 2007

Model History and Safety Features

The tested model of Ford Transit was introduced in Australia early in 2006. The models sold in New Zealand differ to that tested and might provide different levels of protection to those described on this page.

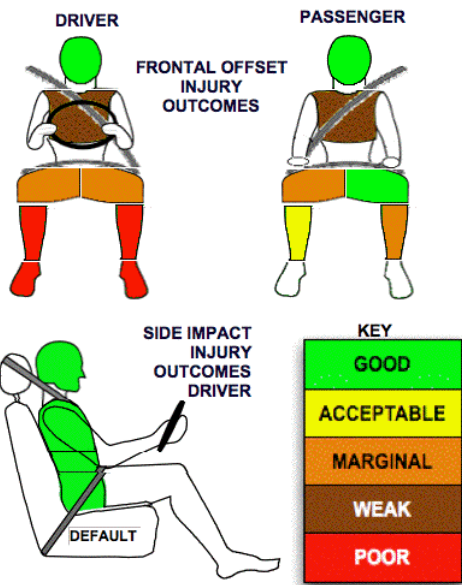
A driver airbag is standard. Antilock brakes (ABS) with electronic brakeforce distribution (EBD) are also standard. A front passenger airbag, passenger seat belt pretensioner, side airbags with head-protection and electronic stability control (ESC) are optional. (Front passenger airbag and ESC standard on New Zealand models).


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. A pretensioner is fitted to the driver seat belt to reduce slack in the event of a crash. A three point seat belt is fitted to the centre front seat. This provides better protection than a two point (lap) seat belt.

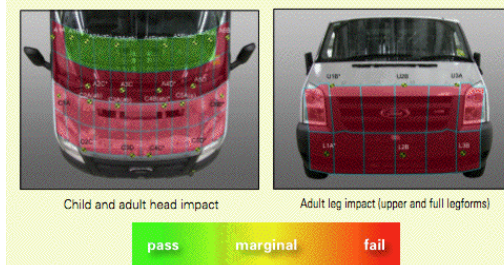
OCCUPANT PROTECTION: 3 Stars

The Transit scored 6.53 out of 16 in the offset crash test. The passenger compartment lost integrity in the footwell area. Protection from serious leg injury was poor for the driver. Chest protection was weak for the driver and passenger.

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



PEDESTRIAN PROTECTION		Child head impacts	Zero
 v4.1	Adult head impacts	5	
	Upper leg impacts	Zero	
	Lower leg impacts	Zero	
	Total (out of 36)	5	



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PO Box 4041

Manuka ACT 2603

transit08.doc

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TECHNICAL DATA - FORD TRANSIT VAN - 2006 on

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passenger	Driver
Head HIC	684	516	Default score awarded
Acceleration (g for 3ms)	62.0	52.9	
Neck - Shear (kN)	0.60	1.27	
Tension (kN)	2.42	2.19	
Extension (Nm)	16.8	15.4	
Chest Accln (g for 3ms)	43.80	42.30	
Compression (mm)	34.50	41.60	
Viscous criterion (m/s)	0.15	0.19	
Abdomen - Force (kN)	-	-	
Pelvis - Force (kN)	-	-	
Upper legs Force (kN)			
Left	2.39	1.77	
Right	2.19	0.95	
Knee displ (mm)			
Left	3.57	2.48	
Right	1.84	4.16	
Lower legs Force (kN)			
Left	4.19	1.45	
Right	2.05	2.74	
Index (Upper/Low)			
Left	1.00 /1.85	0.70 /0.99	
Right	0.65 /1.33	0.38/0.34	

Bonus points (maximum 5)

Pole Test: Not eligible

Seat belt reminders: None

Modifiers - deductions from offset test scores

Head	No deduction
Chest A-pillar movement	0.68 pt deduction
Loss of structure	1 pt deduction
Upper leg Variable & conc. loading	2 pt deduction Left & Right driver 2 pt deduction passenger Right
Lower leg Pedal upward	0.44 deduction
Foot score Pedal rearward & footwell rupture	Score zero points

Note: Steering column and pedal movements are measured relative to the driver's seat.

Modifiers - deductions from side impact test scores

Chest	Default score awarded
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Safety features

These specifications are subject to change. Please check with manufacturer for the latest specifications.

Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	O/O/X
Passenger front airbag	O (S NZ)	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	O# (S NZ)
Side airbags, front seats - chest protection	O	3 point centre rear seat belt	-
Side airbags, front seats - head protection	O	Active head restraints - front seats	X
Side airbags, rear seats - head protection	-	Intelligent seat belt reminder - driver	X
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners	S(Drv) O(Pas)	Rear seat belt status indicator	-

Key:

S = standard on all variants

O = optional on base variant. May be standard on higher variants

V= not available on base variant but standard or optional on higher variants

X = not available on any variant

ESC required by ANCAP for 5 star rating from 2008

