

# Crash Test Results

## New Car Safety

### MITSUBISHI EXPRESS

2003 on

No Airbags



**ANCAP**  
Rated ★★★★☆

Occupant  
Protection

Occupant Protection Score **8.49** out of 37

Variant: Short wheelbase Eng: 2.4 litre

Kerb weight: 1310 kg Category: VAN

Vehicle built: 2/06

#### Model History and Safety Features

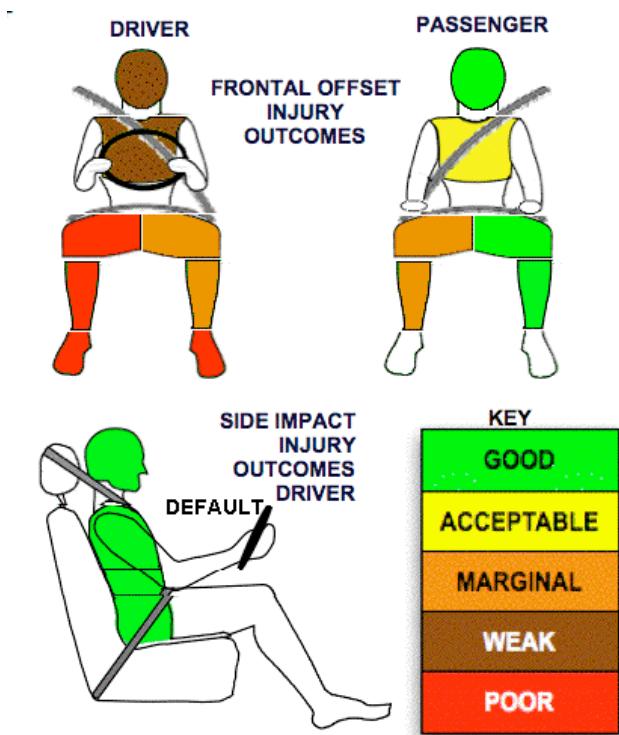
The tested model of Mitsubishi Express van was introduced in Australia during 2003.

Airbags, antilock brakes (ABS) and electronic stability control are not available. The front seat belt buckles are mounted on the seats. This features improves the fit of the seat belt.

#### OCCUPANT PROTECTION: 1 Star

The Mitsubishi Express scored 1.34 out of 16 in the offset crash test. The passenger compartment was severely deformed, particularly in the footwell area. Protection from serious leg injury was poor for the driver. Head and chest protection was weak.

The vehicle was awarded a default score of 16 out of 16 in the side impact crash test. However, the low offset score meant that the vehicle was limited to a 1 star rating and an overall score of 8.49 (the maximum available for a 1 star rating).



Offset crash test at 64km/h

#### FRONTAL OFFSET CRASH TEST (v4.1)

Body region scores out of 4 points each: Head/neck 1 pt, chest 0.34 pts, upper legs zero pts, lower legs zero pts.

The passenger compartment did not hold its shape well in the offset crash test. The clutch pedal moved rearwards by 491 mm. The brake pedal moved upwards 371 mm. The steering wheel hub moved rearwards 100 mm, upwards 265 mm and sideways 25 mm. The front ("A") pillar moved 301 mm rearwards. All doors remained closed during the crash. After the crash, tools were required to open the door on both sides and dummy extrication was extremely difficult.

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

#### SIDE IMPACT CRASH TEST (v4.1)

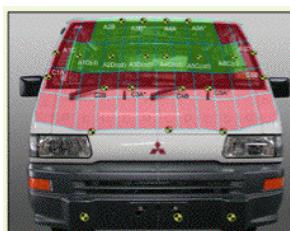
Default 16 points awarded for side impact test.

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 Express. 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 PROTECTION RATING (v4.1)

PEDESTRIAN PROTECTION	Child head impacts	Zero
	Adult head impacts	9
Rated ★★★★☆	Upper leg impacts	Zero
	Lower leg impacts	Zero
	Total (out of 36)	9



Child and adult head impact



Adult leg impact (upper and full legforms)



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express06.doc

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**ANCAP**

Crash testing for safety

AUSTRALASIAN  
NEW CAR ASSESSMENT  
PROGRAM

## **TECHNICAL DATA - MITSUBISHI EXPRESS - 2003 on**

## **INJURY MEASUREMENTS**

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v)
	Driver	Passenger	Driver
<b>Head HIC</b>	484	159	Default Score awarded
Acceleration (g for 3ms)	61.3	34.8	
<b>Neck - Shear (kN)</b>	0.74	0.97	
Tension (kN)	1.19	1.32	
Extension (Nm)	27.7	9.6	
<b>Chest Accln (g for 3ms)</b>	30.20	24.50	
Compression (mm)	33.60	27.10	
Viscous criterion (m/s)	0.14	0.09	
<b>Abdomen - Force (kN)</b>	-	-	
<b>Pelvis - Force (kN)</b>	-	-	
<b>Upper legs</b> Force Left	1.69	0.33	
	(kN) Right	7.61	1.62
Knee displ (mm) Left		4.34	2.98
	Right	21.80	11.15
<b>Lower legs</b> Force Left	1.51	0.79	
	(kN) Right	1.67	1.21
Index (Upper/Low) Left	0.41 /0.71	0.21 /0.39	
	Right	2.01 /0.93	0.71/0.22

***Bonus points (maximum 5)***

Pole Test: Not eligible due to a lack of head-protecting side airbags

Seat belt reminders: None

## ***Modifiers - deductions from offset test scores***

Head	No airbag	2 pt deduction
	Steer col movement	1 pt deduction
Chest	A-pillar movement	2 pt deduction
	Loss of structure	1 pt deduction
Upper leg	Variable & conc. loading	2 pt deduction
Lower leg	Clutch upward movement	1 pt deduction
Foot score	Brake pedal rearward	Score zero points
Note: Steering column and pedal movements are measured relative to the driver's seat.		



### **Modifiers - deductions from side impact test scores**

**Default score awarded**

## **Safety features**

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

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

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