

# Crash Tests

## New Car Safety

### MAZDA 626

1998 on

Dual airbags

#### Overall Evaluation



Overall rating

69%

Variant: Sedan. Engine: 4 Cyl. 2 litre.  
Kerb weight: 1280 kg Category: LARGE/MEDIUM CAR  
Vehicles built: Sept 1998

#### OVERALL EVALUATION : 3 Stars

The Mazda 626 performed reasonably well in the offset crash test. The passenger compartment held its shape except for excessive floor deformation and brake pedal movement. Dual airbags protected the driver and passenger from serious head injury. Protection from serious leg injury was poor for the driver.

The vehicle performed well in the side impact crash. There was a low risk of life-threatening injuries.

#### Safety features

Dual front airbags are standard equipment.

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. Lap/sash (3 point) seat belts are fitted to all seats, including the centre rear seat.

#### STRUCTURE : MARGINAL

##### Offset crash test

The passenger compartment held its shape reasonably well in the offset crash test. The roof buckled slightly at the top of the windscreen pillar. The front part of the driver's floor was pushed rearwards 21cm. It was severely folded and starting to separate from the sides. The brake pedal moved rearwards by 29cm and ended up close to the driver's seat. Protection from serious lower leg injury was poor. The dash moved 12cm towards the driver. The width of the driver's doorway shortened by 12cm. All doors remained closed during the crash. After the crash all doors could be opened with ease.

##### Side impact crash test

The passenger compartment held its shape well in the side impact crash test.

#### RESTRAINTS

##### Offset crash test

The driver's head was cushioned by the airbag and protection from serious head injury was good. The driver's knees hit the dash and steering column adjuster. Protection from serious upper leg injury was poor. The passenger was



Offset crash test at 64km/h

also protected from serious head injury by an airbag. The passenger's knees hit the glove box.

##### Side impact crash test (no front passenger)

The driver's head glanced the centre pillar then rebounded. Movement was well controlled.

#### INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h		Side Impact Crash Test at 50km/h
	Driver	Passn	Driver
Head HIC	455	213	210
Acceleration (g for 3ms)	51.1	37.9	60.8
Neck - Shear (kN)	-	-	-
Tension (kN)	1.8	1.3	-
Extension (Nm)	-	-	-
Chest Accln (g for 3ms)	42.3	32.3	-
Compression (mm)	23.9	29.8	22.2
Viscous criterion (m/s)	0.1	0.1	0.13
Abdomen - Force (kN)	-	-	1.1
Pelvis - Force (kN)	-	-	3.4
Upper legs Force			
Left (kN)	3.9	1	
Right (kN)	6	3.1	
Knee displ (mm)			
Left	15.2	1.7	
Right	3	4.9	
Lower legs Comp			
Left (kN)	3.8	0.9	
Right (kN)	0.8	0.7	
Index (Upper/Low)			
Left	1.18/1.02	0.22/0.14	
Right	0.4/1.08	0.34/0.19	
Injury Risk#	9.7%	4.8%	

#"Injury risk" is the probability of receiving a life-threatening injury. It is based on dummy head and chest measurements in the offset test.

November 1999

Published by  
New Car Assessment Program  
PO Box 1555  
Canberra ACT Australia 2601  
www.nrma.com.au  
mz626\_99.doc 27-Mar-01

