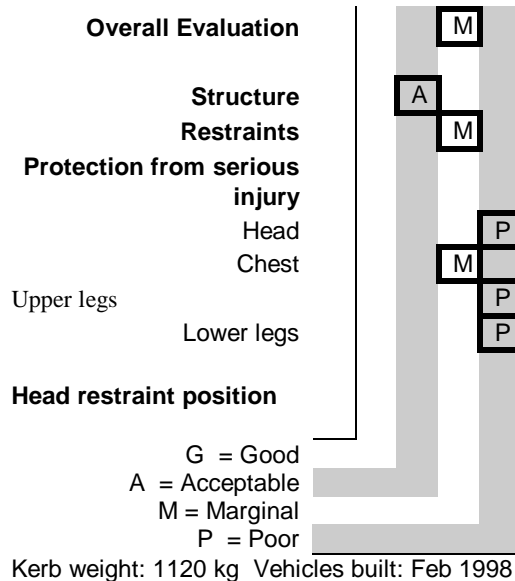


Small Car Crash Tests

1998 Kia Mentor

FRONTAL CRASH TEST PERFORMANCE



Offset crash test at 64km/h

OVERALL EVALUATION : MARGINAL

The passenger compartment of the Mentor held its shape reasonably well in both crash tests, except for floor deformation in the offset test. Protection from serious head injury was poor for the driver and passenger in the full frontal test. Protection from serious leg injury was poor for the driver in both crash tests.

Safety features

A driver's airbag is available as part of an optional safety package on some variants.

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. The front seat belts have webbing grabbers (following an initial NCAP crash test without webbing grabbers the manufacturer elected to provide webbing grabbers as standard equipment on Australian models - the following results are based on a second test of an upgraded vehicle).

STRUCTURE : ACCEPTABLE

Full frontal crash test

The passenger compartment held its shape well in the full frontal crash test. All doors remained closed during the crash and could be easily opened after the crash.

Offset crash test

The passenger compartment held its shape reasonably well in the offset crash test. The front part of the driver's floor was pushed rearwards 27cm and was severely folded at the front. The brake pedal was pushed back 31cm so there was a risk of the driver being trapped by the legs. The dash was pushed 12cm towards the driver. The width of the driver's doorway shortened by 8cm.

All doors remained closed during the crash. After the crash the doors could be easily opened but both front doors locked during the impact.

RESTRAINTS : MARGINAL

Full frontal crash test

The driver's head hit the steering wheel with a severe impact. The steering wheel had moved back and up with a severe motion but, fortunately, stopped just prior to the head impact. The hub cover broke away before the head impact. The passenger's head hit the left knee. The driver's right knee hit the dash with a very severe impact.

Offset crash test

The driver's head hit the steering column with a severe impact and protection from serious head injury was marginal. During rebound the driver's head hit the centre pillar and top of the door frame. The passenger's head did not hit anything and protection from serious head injury was good. The driver's right knee hit the dash with a very severe impact. Protection for the lower leg was also poor.

INJURY MEASUREMENTS

Refer to the information sheet "How the evaluations are performed" for more details

	Full Frontal Crash Test at 56km/h		Offset Crash Test at 64km/h	
	Driver	Passn	Driver	Passn
Head (HIC)	1384	1275	997	359
Chest (mm)	61	53	41	35
Chest (g)	52	54	45	35
Upper legs (kN)	Left 2.1	2.4	3.6	0.8
	Right 12.5	1.8	>12.5	1.8
Lower leg index	Left -	-	0.47	-
	Right -	-	1.48	-
Injury Risk %	53%	46%	24%	6%
	Overall Injury Risk		41%	34%

Injury risk is the probability of receiving a life-threatening injury. It is based on dummy head & chest measurements.

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